

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001611.D
 Acq On : 12 Feb 2020 13:27
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:27:59 PM

Quant Time: Feb 13 08:02:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	192076	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	334439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	300280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	141609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	99255	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.75	113	91464	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.19	98	373100	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.49	95	134531	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	28880	15.360	ug/l	99
3) Chloromethane	2.13	50	40053	20.382	ug/l	98
4) Vinyl Chloride	2.27	62	41932	20.550	ug/l	95
5) Bromomethane	2.66	94	27860	21.710	ug/l	97
6) Chloroethane	2.81	64	26573	21.605	ug/l	93
7) Trichlorofluoromethane	3.15	101	56158	16.627	ug/l	96
8) Diethyl Ether	3.55	74	21331	18.716	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35026	17.236	ug/l	99
10) Methyl Iodide	4.13	142	42276	16.327	ug/l	97
11) Tert butyl alcohol	5.00	59	26620	102.447	ug/l	97
12) 1,1-Dichloroethene	3.90	96	35022	17.343	ug/l	90
13) Acrolein	3.76	56	16881	92.185	ug/l	100
14) Allyl chloride	4.51	41	62326	20.175	ug/l	96
15) Acrylonitrile	5.21	53	57744	110.515	ug/l	100
16) Acetone	3.98	43	55217	98.706	ug/l	92
17) Carbon Disulfide	4.22	76	112308	17.470	ug/l	98
18) Methyl Acetate	4.52	43	29042	24.328	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	101048	18.816	ug/l	99
20) Methylene Chloride	4.75	84	45531	17.737	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	39881	17.765	ug/l	97
22) Diisopropyl ether	6.16	45	130152	21.265	ug/l	96
23) Vinyl Acetate	6.10	43	422673	108.482	ug/l	94
24) 1,1-Dichloroethane	6.06	63	69177	18.791	ug/l	96
25) 2-Butanone	7.02	43	81069	111.704	ug/l	93
26) 2,2-Dichloropropane	7.02	77	61407	17.429	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	44423	18.117	ug/l	95
28) Bromochloromethane	7.36	49	27774	22.146	ug/l	87
29) Tetrahydrofuran	7.38	42	50798	116.780	ug/l	93
30) Chloroform	7.54	83	68782	18.445	ug/l	97
31) Cyclohexane	7.81	56	72632	19.287	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	57372	16.969	ug/l	97
36) 1,1-Dichloropropene	7.94	75	55368	18.097	ug/l	99
37) Ethyl Acetate	7.11	43	34674	23.411	ug/l	95
38) Carbon Tetrachloride	7.93	117	49212	16.625	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73400	18.220	ug/l	97
40) Benzene	8.19	78	164025	18.796	ug/l	99
41) Methacrylonitrile	7.35	41	16558m	24.122	ug/l	
42) 1,2-Dichloroethane	8.26	62	44665	18.371	ug/l	99
43) Isopropyl Acetate	8.30	43	65367	22.291	ug/l	93
44) Trichloroethene	8.96	130	41937	17.828	ug/l	96
45) 1,2-Dichloropropane	9.24	63	41894	19.881	ug/l	97
46) Dibromomethane	9.32	93	21973	18.570	ug/l	99
47) Bromodichloromethane	9.51	83	52008	18.039	ug/l	97
48) Methyl methacrylate	9.31	41	28796	21.636	ug/l	94
49) 1,4-Dioxane	9.32	88	6162	394.316	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	169395	117.297	ug/l	95
52) Toluene	10.25	92	102447	18.502	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	56242	17.910	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	66190	18.360	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	31823	18.745	ug/l	99
56) Ethyl methacrylate	10.52	69	46724	19.350	ug/l	90
57) 1,3-Dichloropropane	10.80	76	57447	19.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	94609	106.504	ug/l	95
59) 2-Hexanone	10.84	43	120999	115.234	ug/l	95
60) Dibromochloromethane	10.99	129	35285	17.632	ug/l	100
61) 1,2-Dibromoethane	11.10	107	29945	17.908	ug/l	99
64) Tetrachloroethene	10.73	164	33578	17.051	ug/l	98
65) Chlorobenzene	11.52	112	105516	17.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36188	17.537	ug/l	99
67) Ethyl Benzene	11.60	91	196961	18.067	ug/l	100
68) m/p-Xylenes	11.70	106	147494	36.040	ug/l	98
69) o-Xylene	12.03	106	70456	18.259	ug/l	100
70) Styrene	12.05	104	120828	18.108	ug/l	98
71) Bromoform	12.21	173	20146	17.533	ug/l #	98
73) Isopropylbenzene	12.33	105	188067	17.413	ug/l	100
74) N-amyl acetate	12.14	43	59627	21.246	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	40109	19.547	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	26853m	17.633	ug/l	
77) Bromobenzene	12.61	156	41345	17.689	ug/l	96
78) n-propylbenzene	12.67	91	231781	17.926	ug/l	99
79) 2-Chlorotoluene	12.76	91	127395	17.285	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	156714	17.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14376	18.266	ug/l	94
82) 4-Chlorotoluene	12.86	91	134168	17.363	ug/l	99
83) tert-Butylbenzene	13.08	119	129778	16.880	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	156741	17.411	ug/l	98
85) sec-Butylbenzene	13.25	105	195265	18.064	ug/l	99
86) p-Isopropyltoluene	13.38	119	169160	17.758	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	80763	18.030	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79952	17.817	ug/l	100
89) n-Butylbenzene	13.70	91	170332	18.123	ug/l	99
90) Hexachloroethane	13.97	117	31627	17.298	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	73146	18.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6643	17.536	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48532	17.742	ug/l	98
94) Hexachlorobutadiene	15.11	225	23209	16.717	ug/l	98
95) Naphthalene	15.24	128	110139	17.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42885	17.760	ug/l	97

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

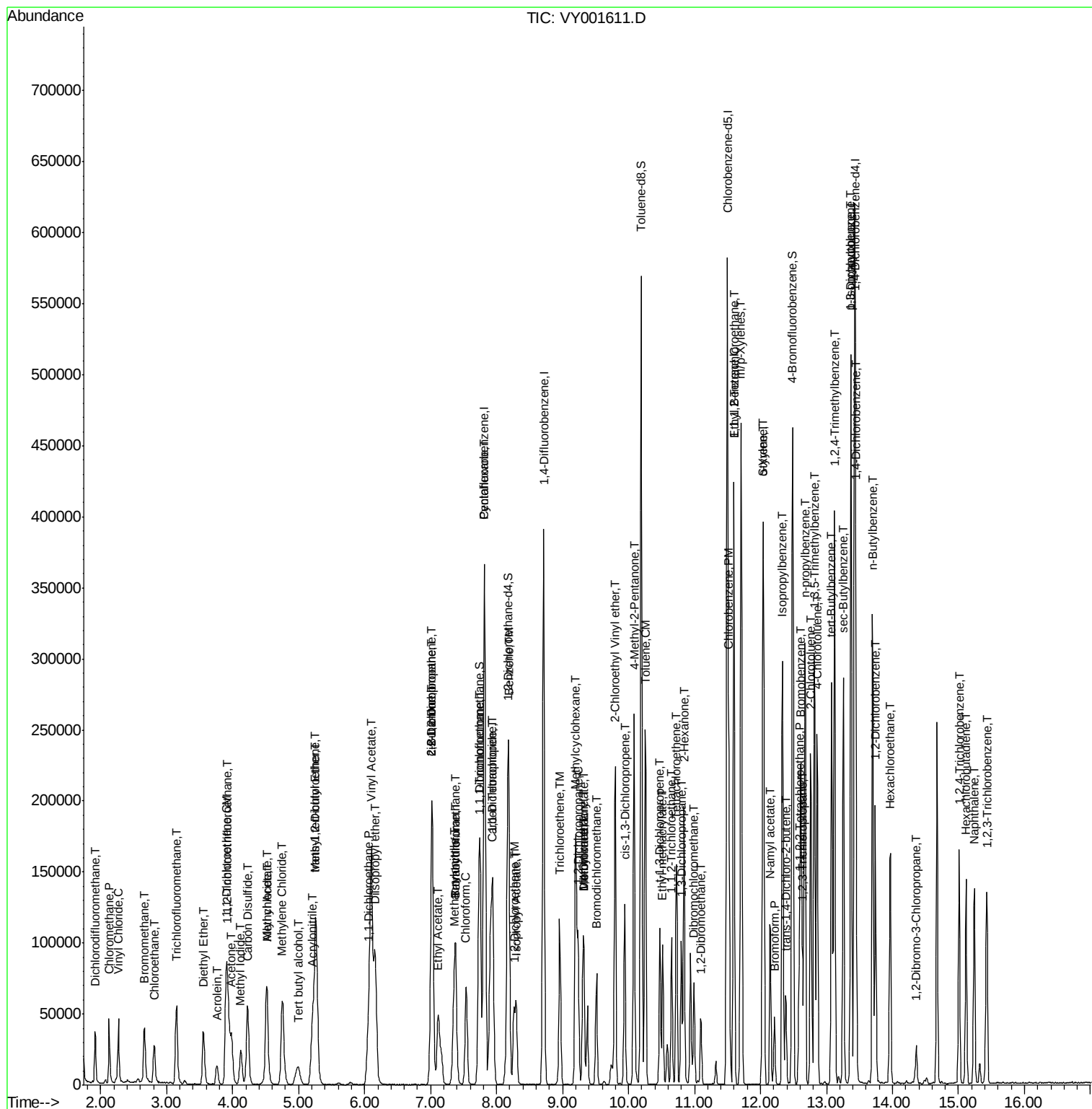
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001611.D
Acq On : 12 Feb 2020 13:27
Operator : SY/MD
Sample : VY0212SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

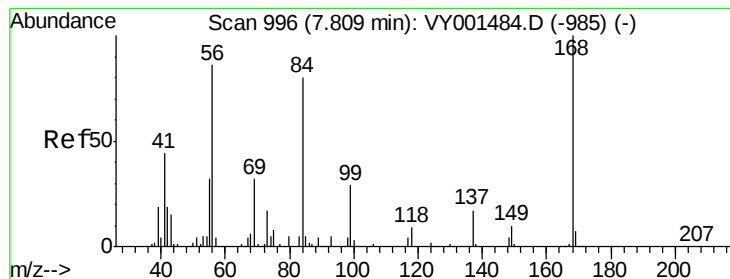
Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion:168 Resp: 192076

Ion Ratio Lower Upper

168 100

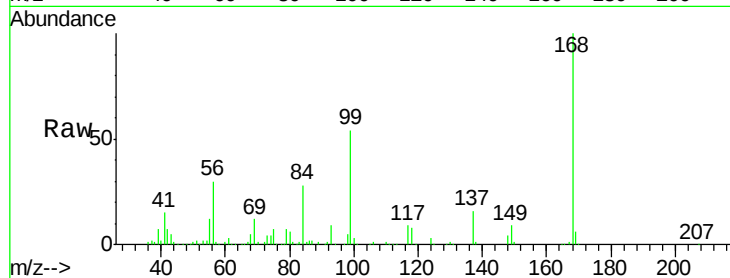
99 53.7 48.2 72.4

Manual Integrations

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2/13/2020 12:27:59 PM

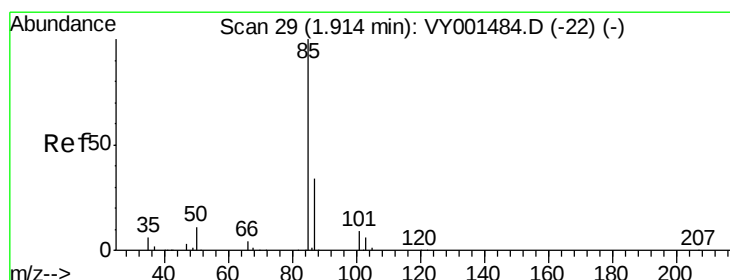
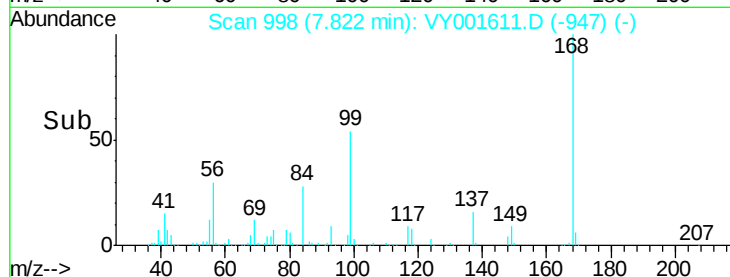


Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 15.360 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001611.D

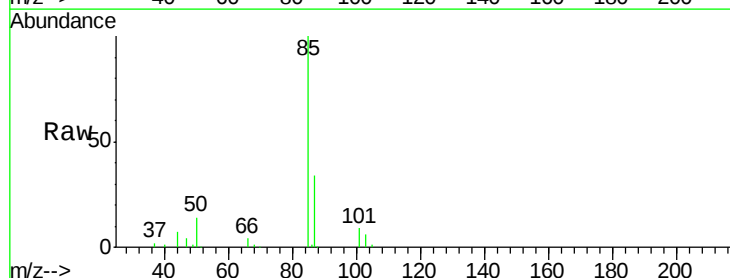
Acq: 12 Feb 2020 13:27

Tgt Ion: 85 Resp: 28880

Ion Ratio Lower Upper

85 100

87 34.3 17.0 50.9

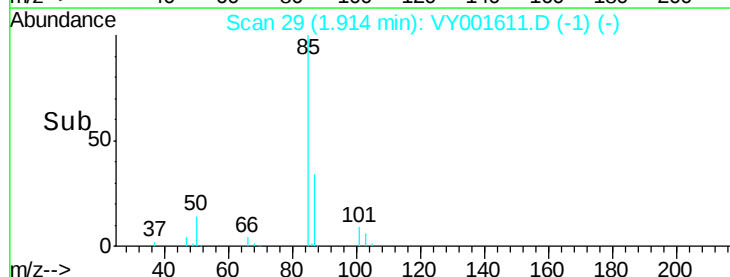


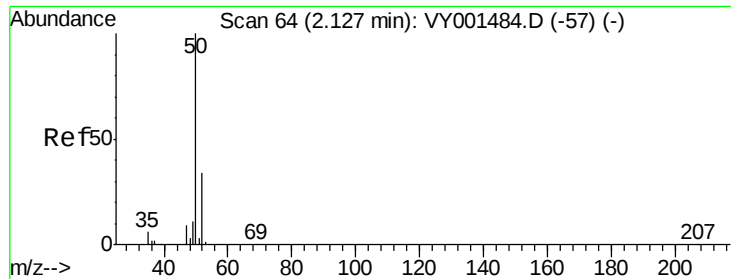
Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

Time-->





#3

Chloromethane

Concen: 20.382 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 50 Resp: 40053

Ion Ratio Lower Upper

50 100

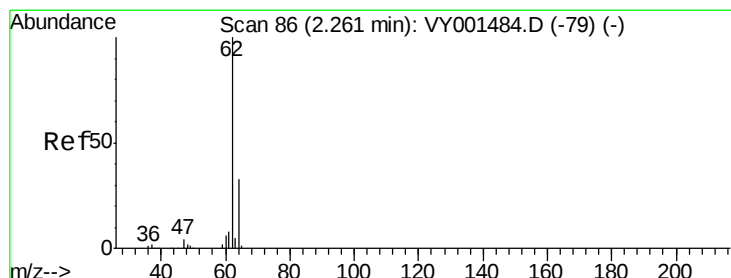
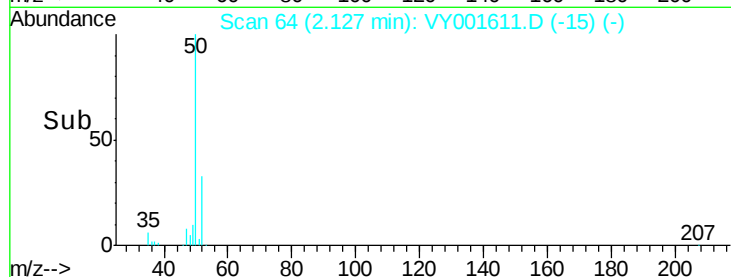
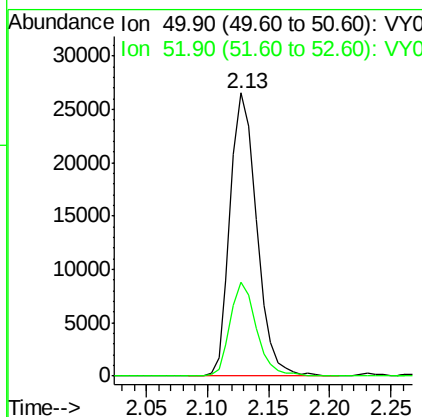
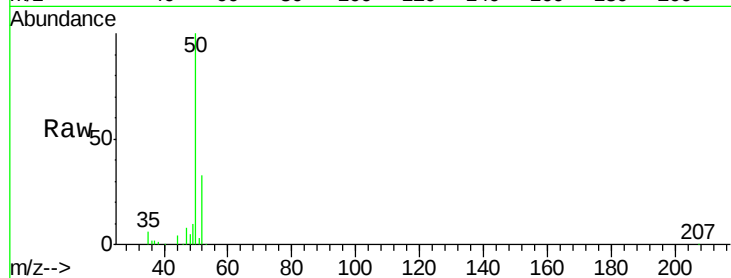
52 33.1 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.550 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001611.D

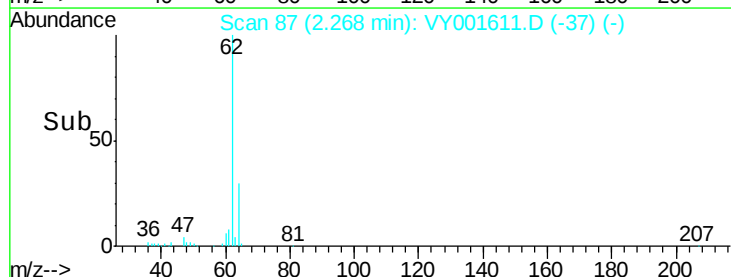
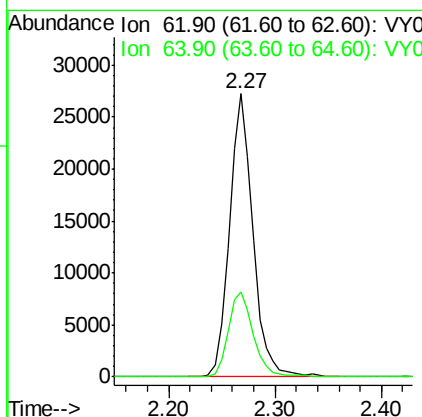
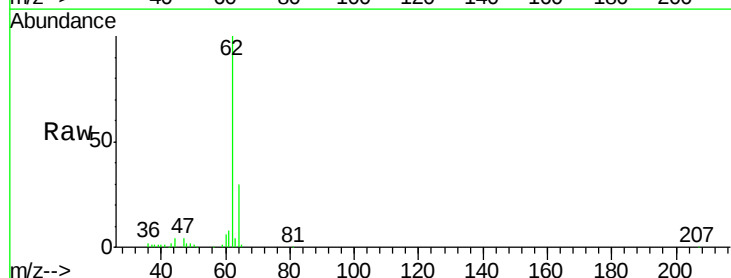
Acq: 12 Feb 2020 13:27

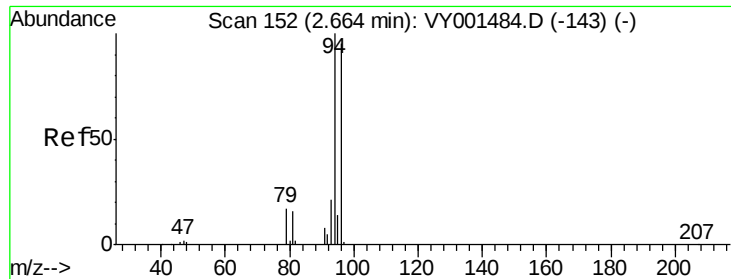
Tgt Ion: 62 Resp: 41932

Ion Ratio Lower Upper

62 100

64 30.2 26.4 39.6





#5

Bromomethane

Concen: 21.710 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 94 Resp: 27860

Ion Ratio Lower Upper

94 100

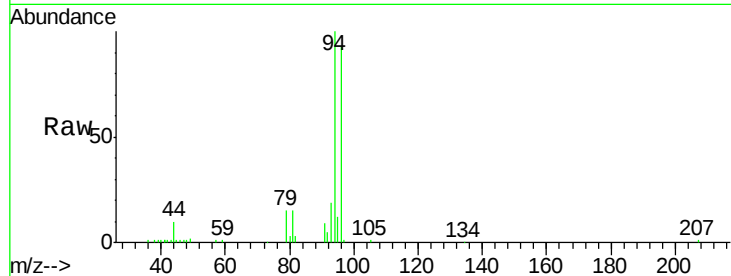
96 92.7 76.2 114.2

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

2.66

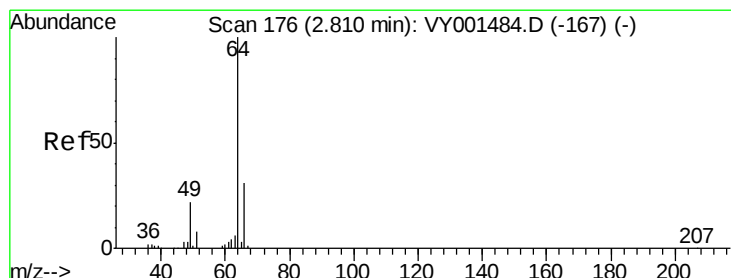
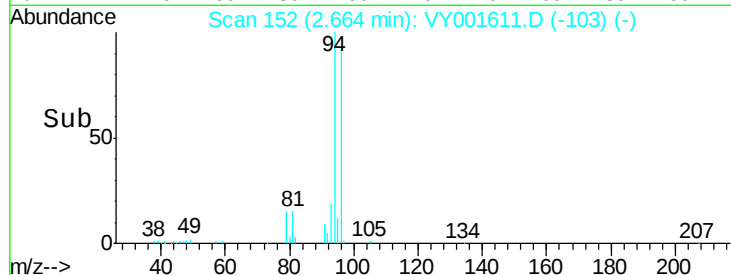
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.605 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001611.D

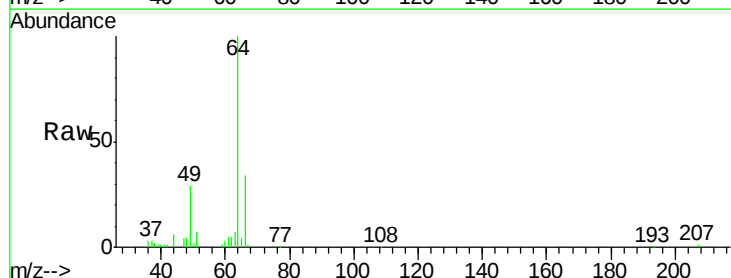
Acq: 12 Feb 2020 13:27

Tgt Ion: 64 Resp: 26573

Ion Ratio Lower Upper

64 100

66 34.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

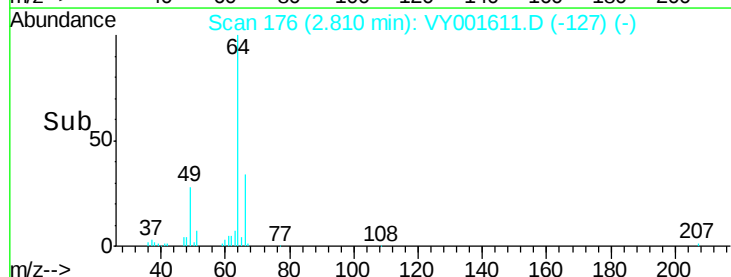
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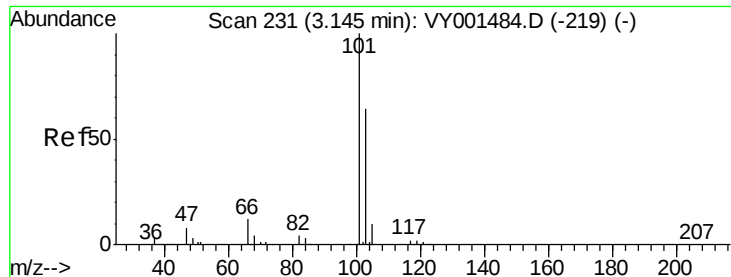
10000

5000

0

Time-->





#7

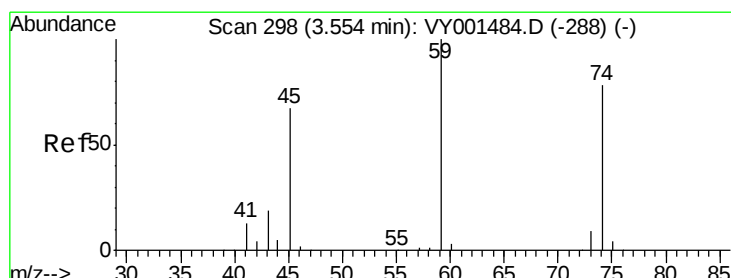
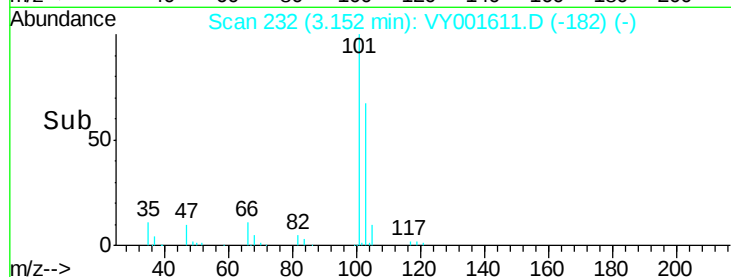
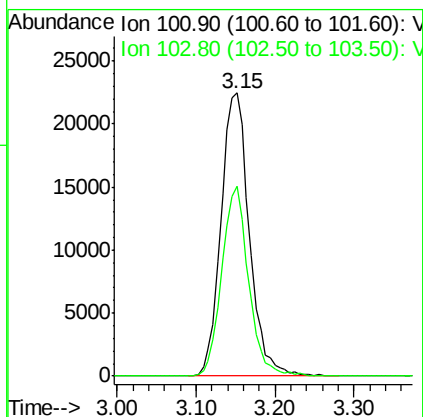
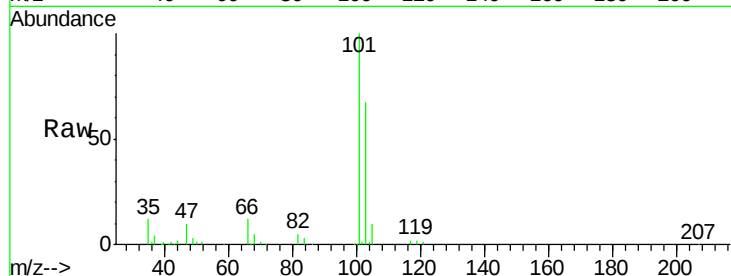
Trichlorofluoromethane
Concen: 16.627 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	50.9	76.3

Manual Integrations
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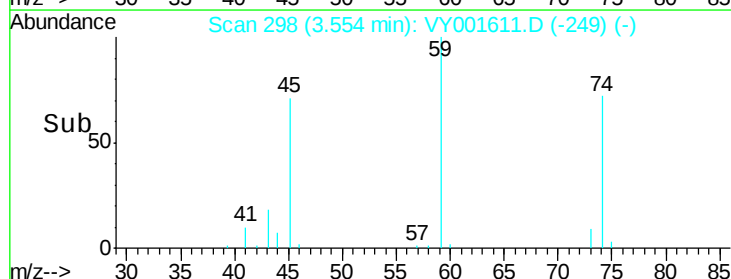
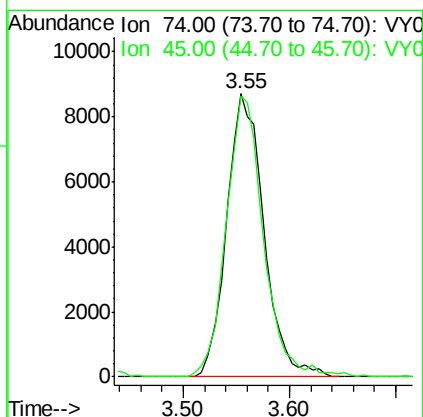
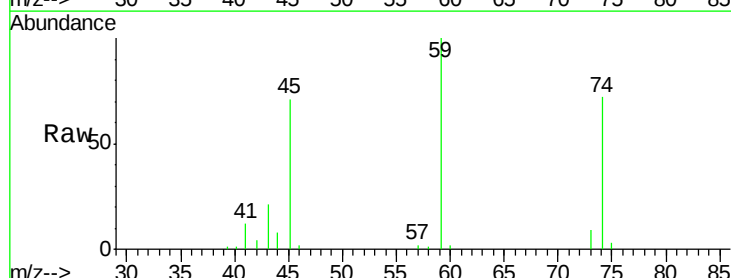
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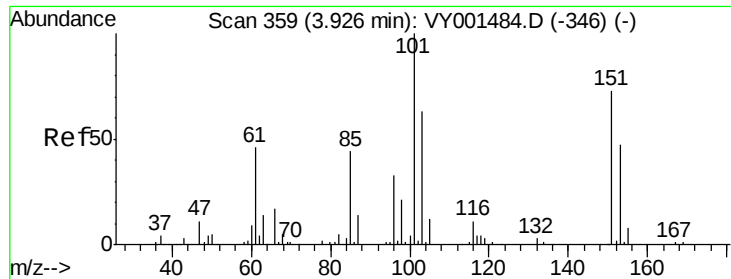


#8

Diethyl Ether
Concen: 18.716 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.236 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

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MSVOA_Y

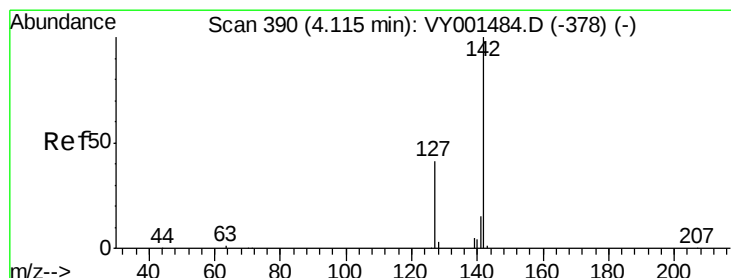
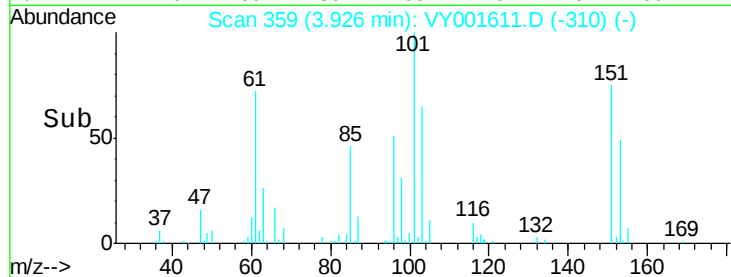
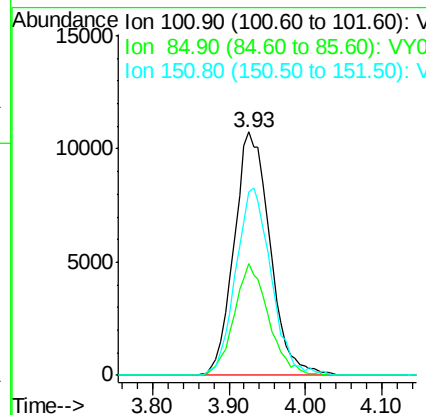
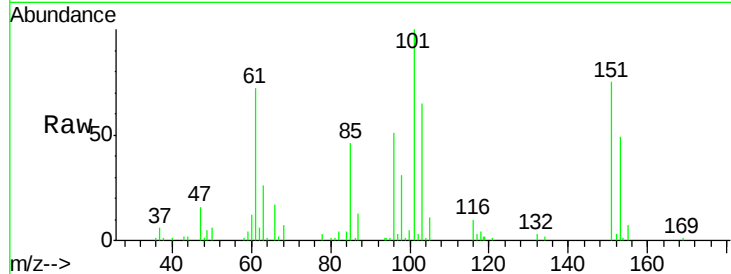
ClientSampleId :

VY0212SBS01

Tot Ion:	101	Resp:	35026
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.6	51.8
151	75.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.327 ug/l

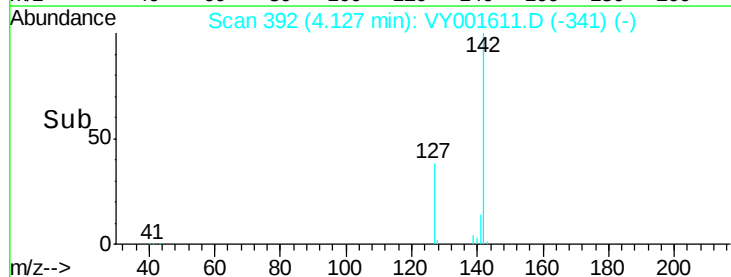
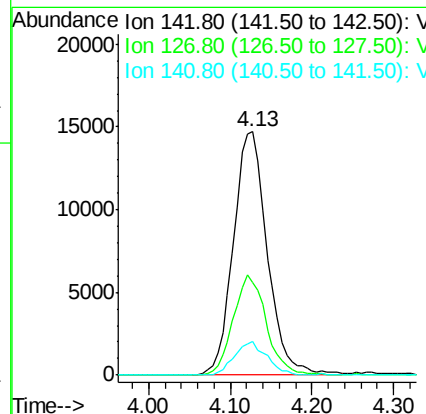
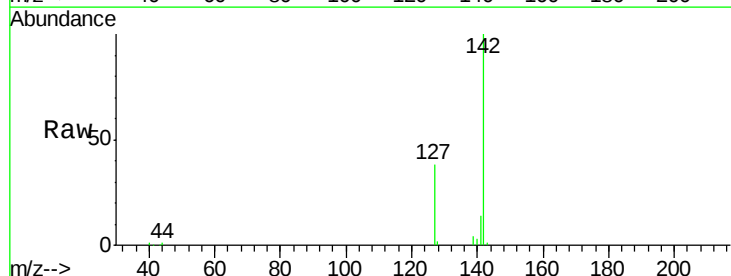
RT: 4.13 min Scan# 392

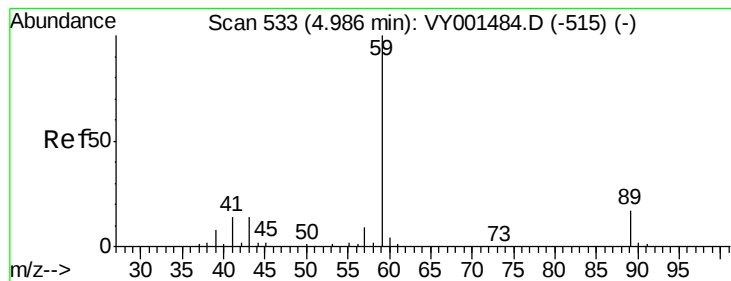
Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	142	Resp:	42276
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.3	49.9
141	13.0	11.5	17.3





#11

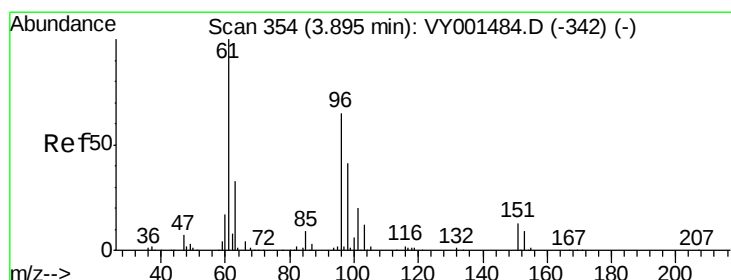
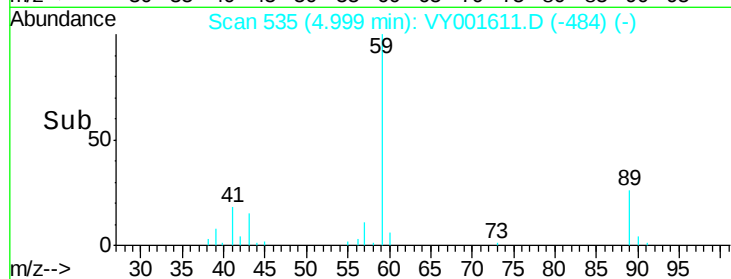
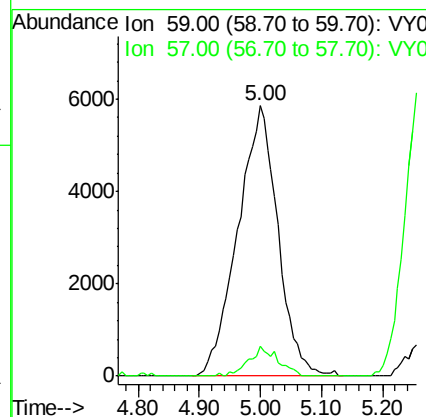
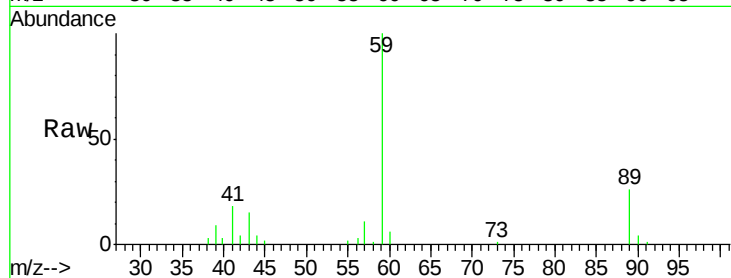
Tert butyl alcohol
Concen: 102.447 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	7.0	10.6

Manual Integrations
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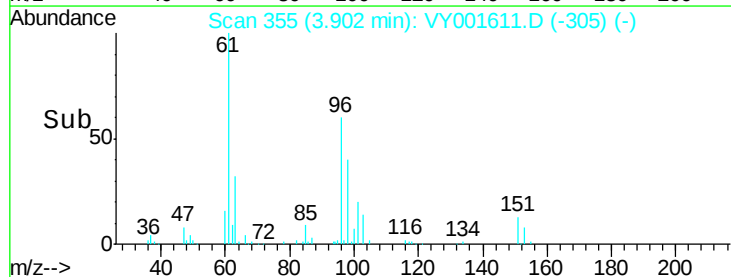
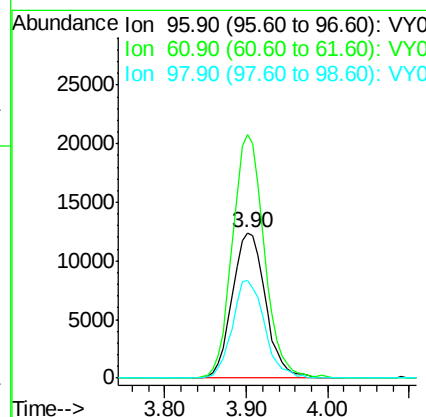
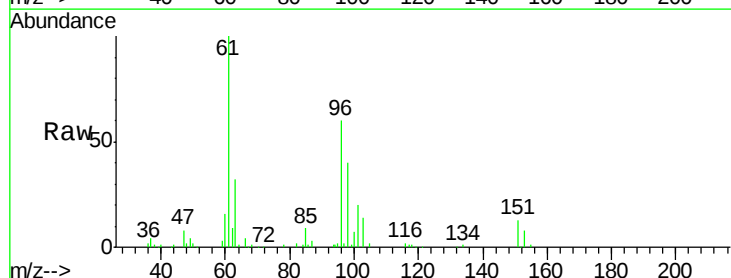
MMDadoda
2/13/2020 12:27:59 PM

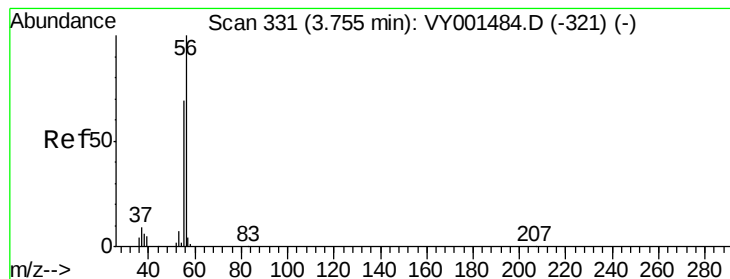


#12

1,1-Dichloroethene
Concen: 17.343 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	122.3	183.5
98	67.1	49.7	74.5





#13

Acrolein

Concen: 92.185 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 56 Resp: 16881

Ion Ratio Lower Upper

56 100

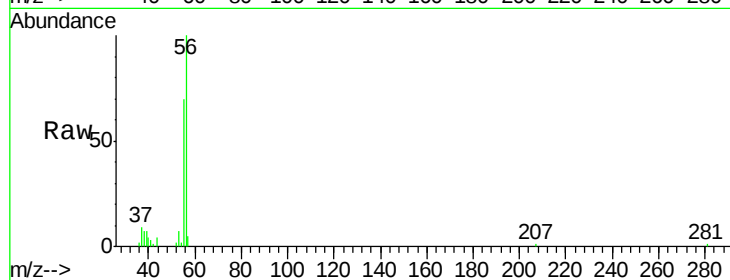
55 70.5 56.2 84.4

Manual Integrations

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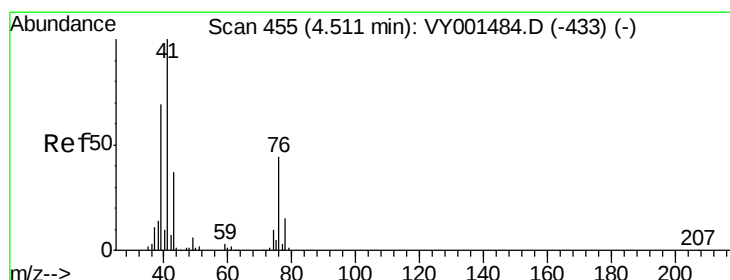
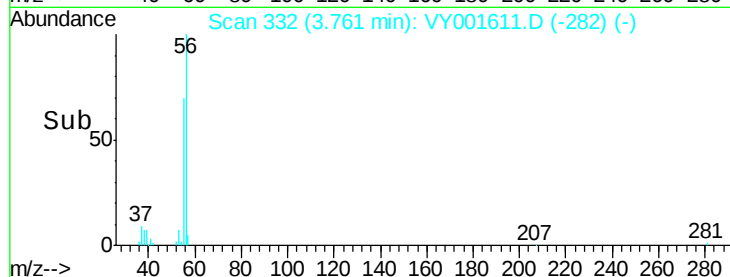
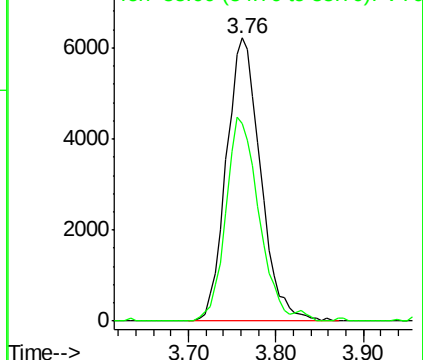
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.175 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

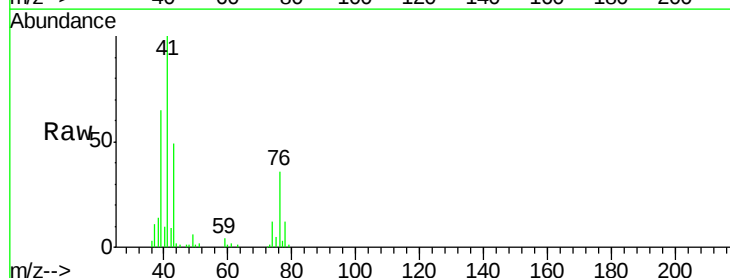
Tgt Ion: 41 Resp: 62326

Ion Ratio Lower Upper

41 100

39 64.7 53.0 79.6

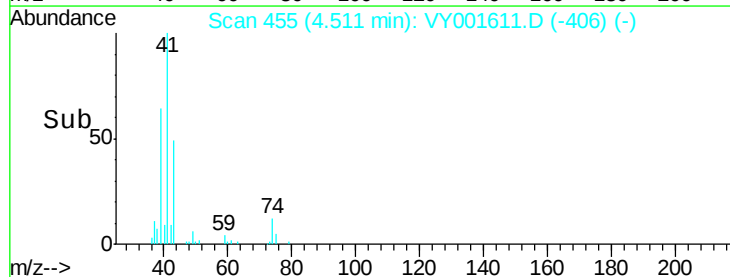
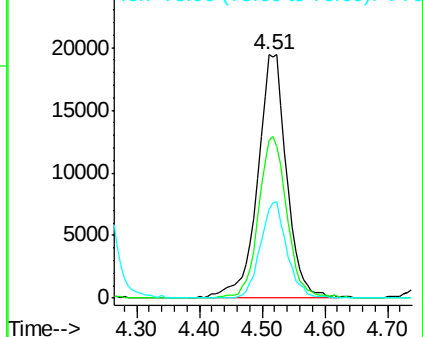
76 36.0 32.6 48.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 110.515 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

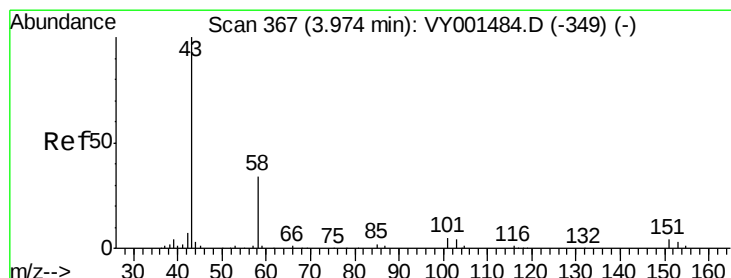
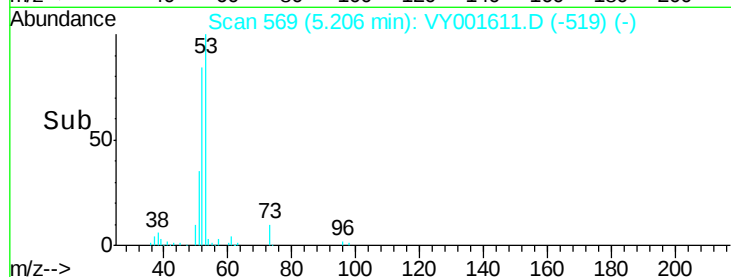
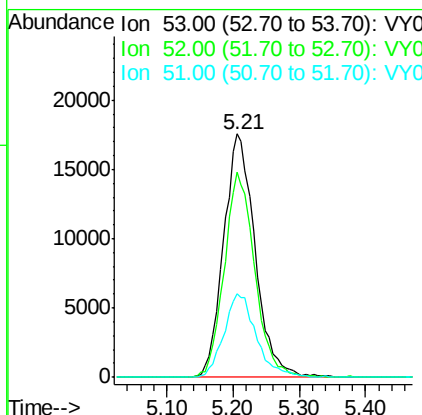
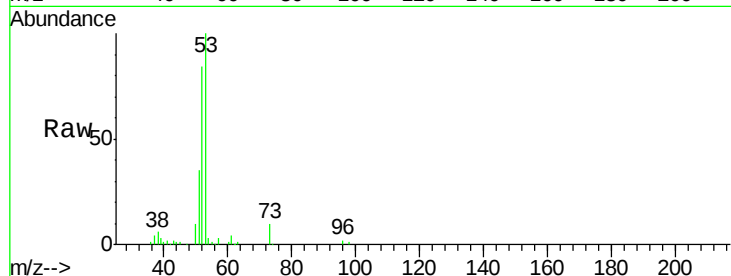
ClientSampleId :

VY0212SBS01

Tot Ion:	53	Resp:	57744
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.2
51	35.6	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 98.706 ug/l

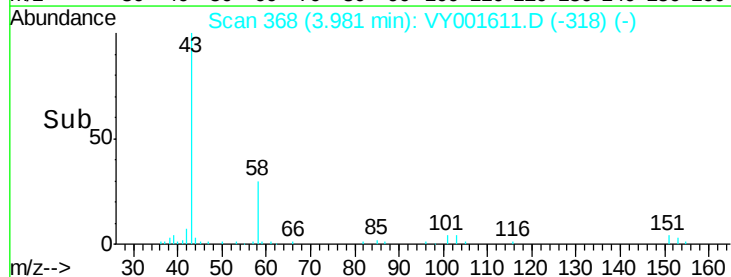
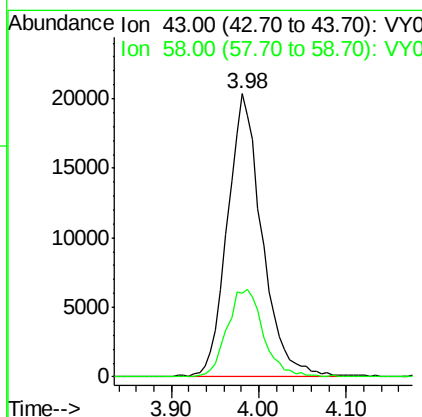
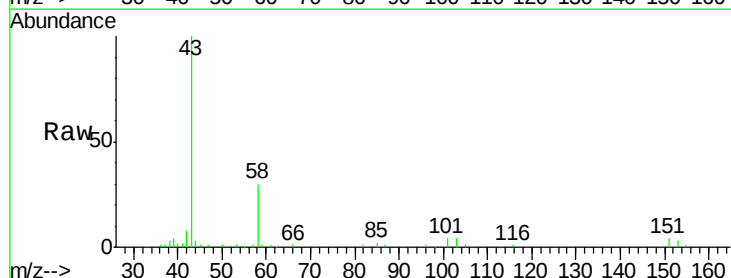
RT: 3.98 min Scan# 368

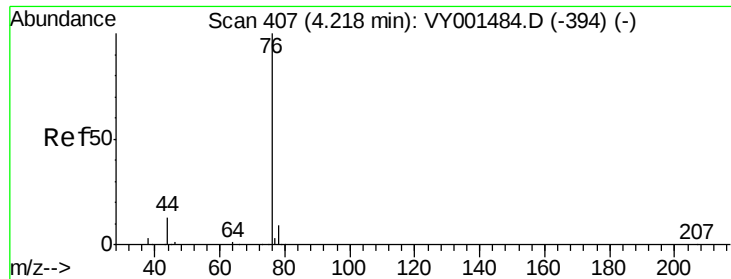
Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	43	Resp:	55217
Ion Ratio	Lower	Upper	
43	100		
58	29.7	27.5	41.3





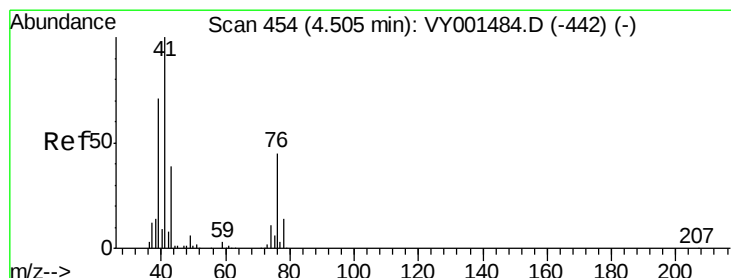
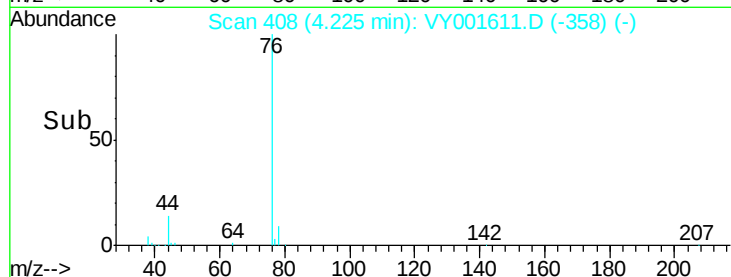
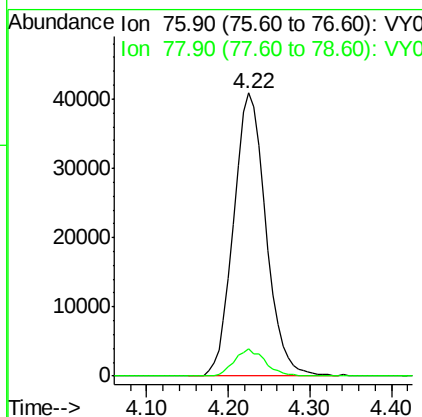
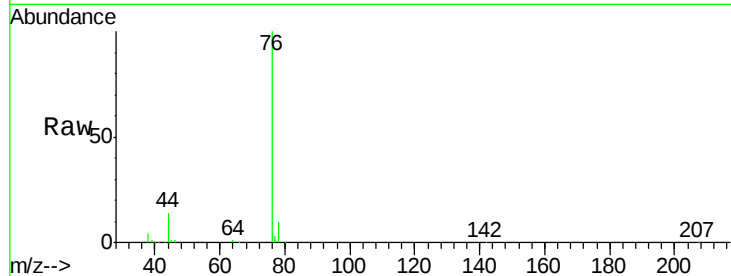
#17
Carbon Disulfide
Concen: 17.470 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	112308		
78	9.6		7.0	10.6

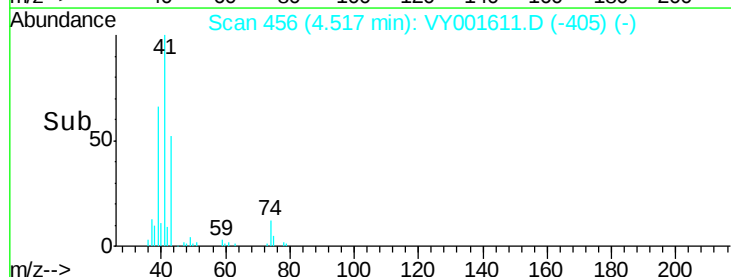
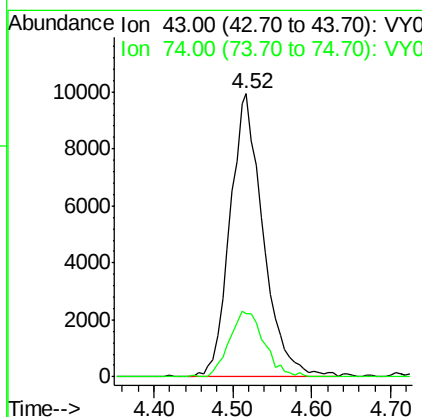
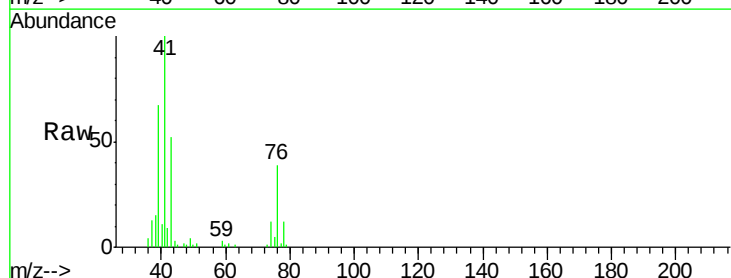
Manual Integrations
APPROVED

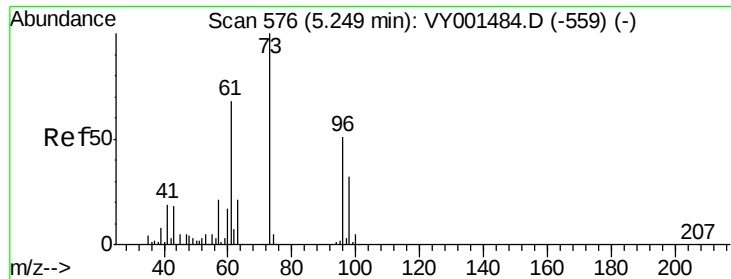
MMDadoda
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#18
Methyl Acetate
Concen: 24.328 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	29042		
74	24.1		21.0	31.6





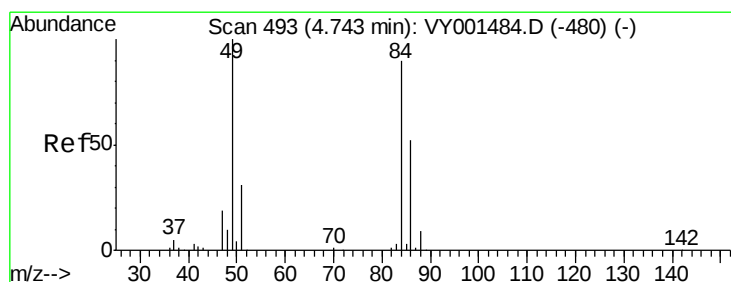
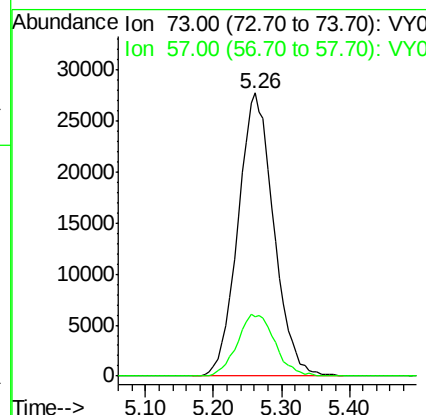
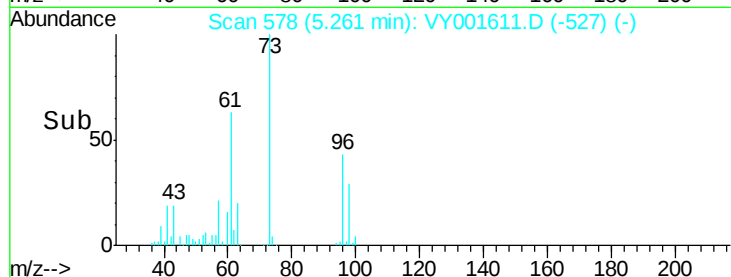
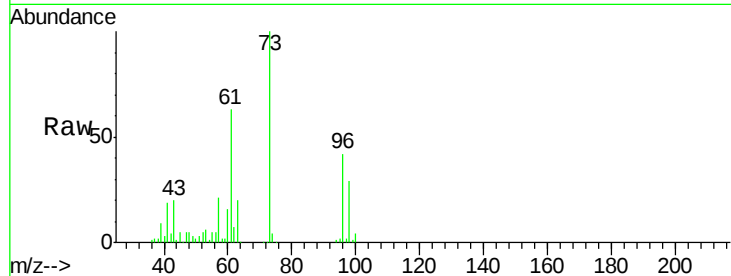
#19
Methvl tert-butvl Ether
Concen: 18.816 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	73	Resp	101048
Ion Ratio	Lower	Upper	
73	100		
57	21.0	17.0	25.6

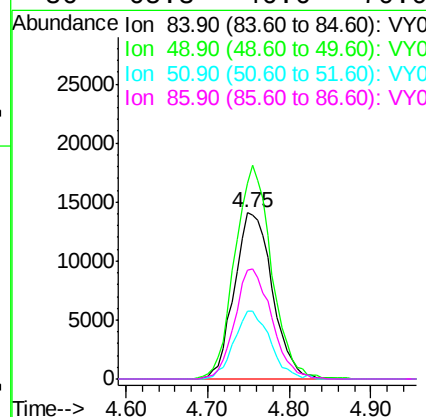
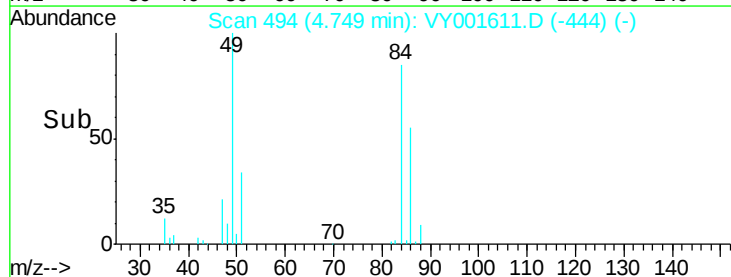
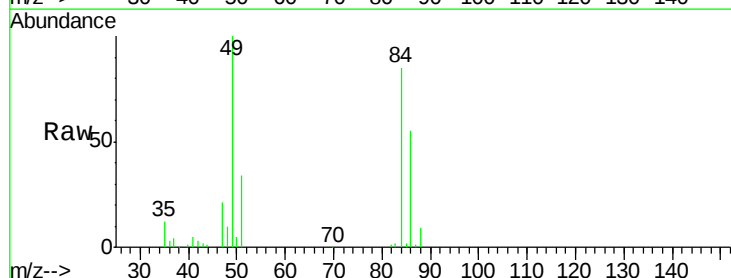
Manual Integrations
APPROVED

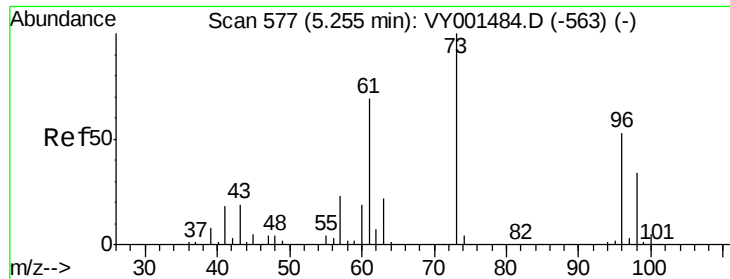
MMDadoda
2/13/2020 12:27:59 PM



#20
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	84	Resp	45531
Ion Ratio	Lower	Upper	
84	100		
49	118.0	89.0	133.6
51	40.5	27.4	41.2
86	65.3	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 17.765 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 96 Resp: 39881

Ion Ratio Lower Upper

96 100

61 135.6 104.2 156.4

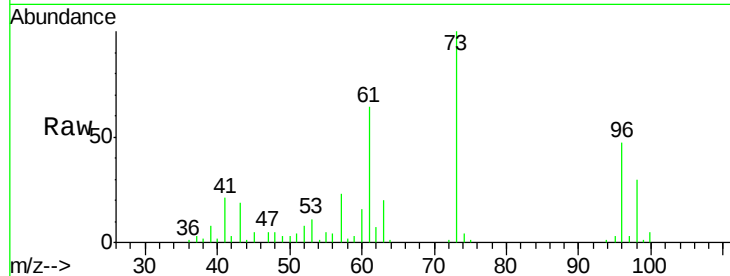
98 64.3 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

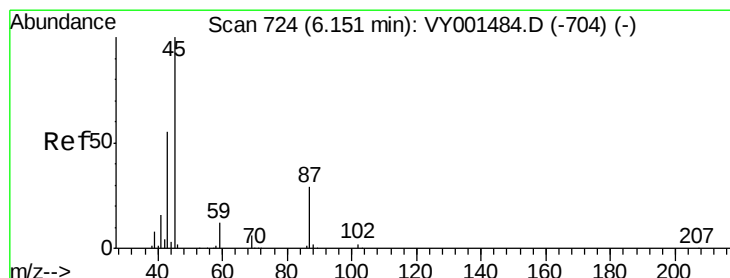
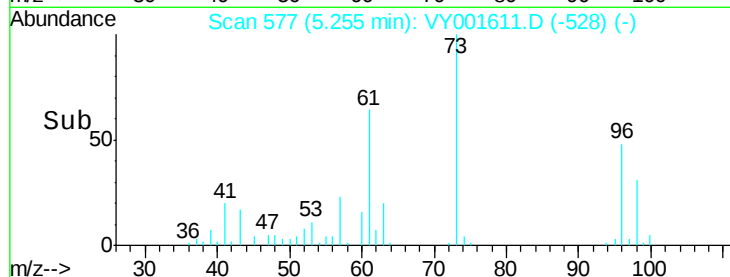
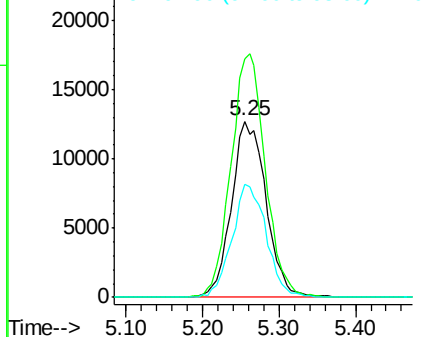
2/13/2020 12:27:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.265 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion: 45 Resp: 130152

Ion Ratio Lower Upper

45 100

43 56.9 44.2 66.4

87 25.5 23.9 35.9

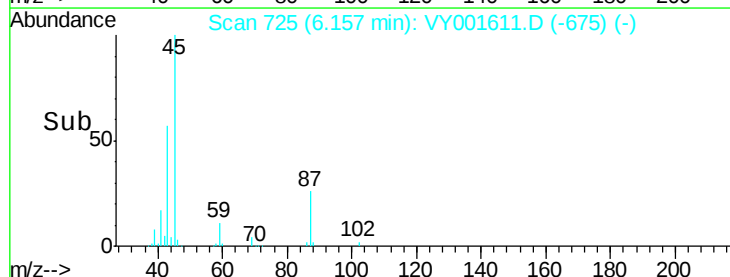
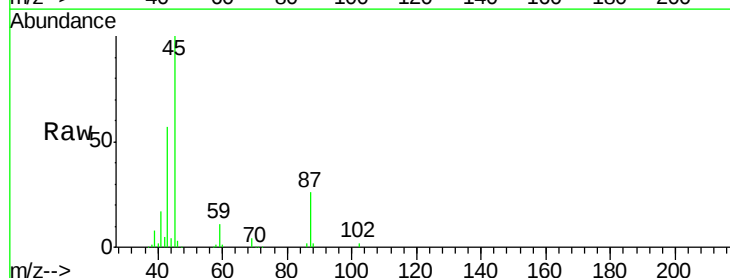
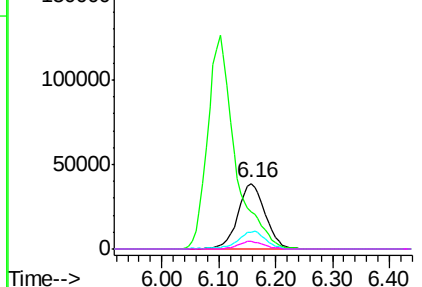
59 11.4 10.2 15.2

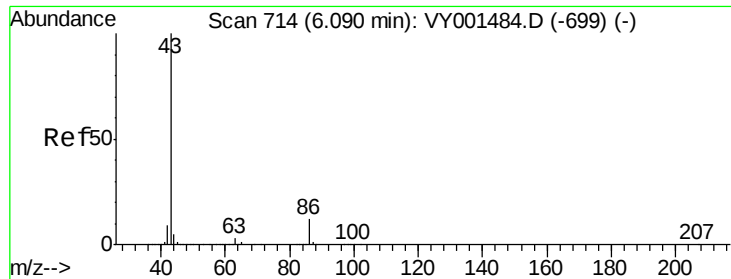
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 108.482 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 43 Resp: 422673

Ion Ratio Lower Upper

43 100

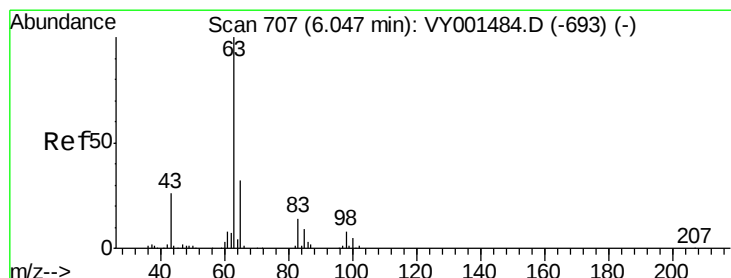
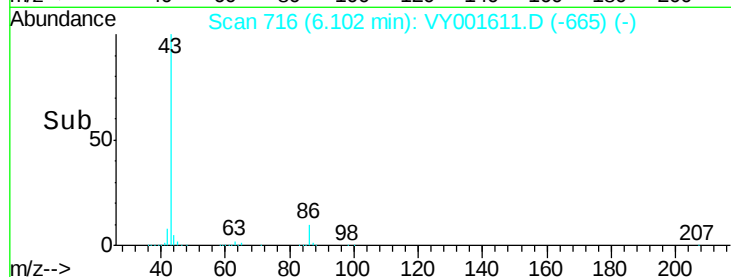
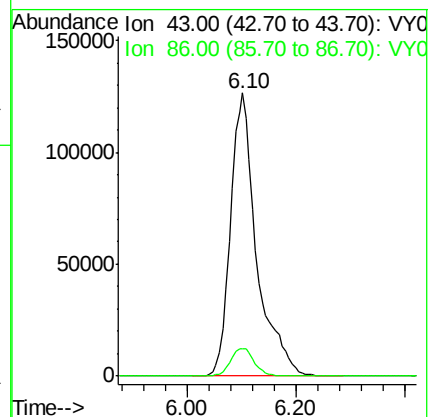
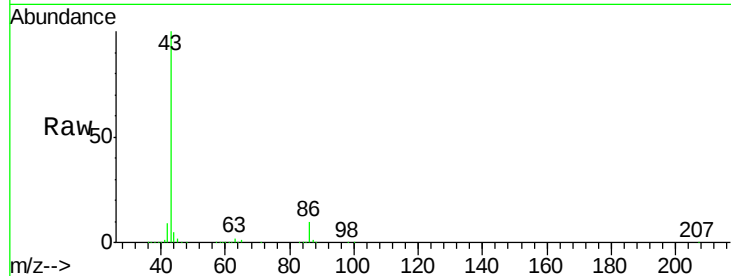
86 9.9 9.8 14.8

Manual Integrations

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2/13/2020 12:27:59 PM



#24

1,1-Dichloroethane

Concen: 18.791 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

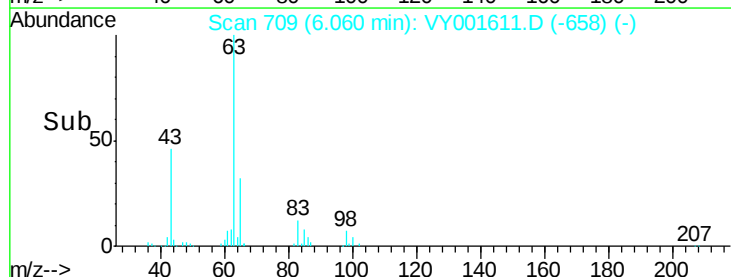
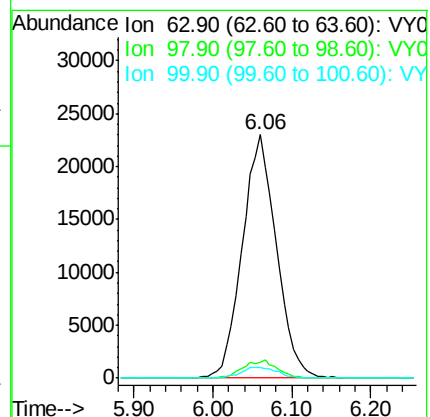
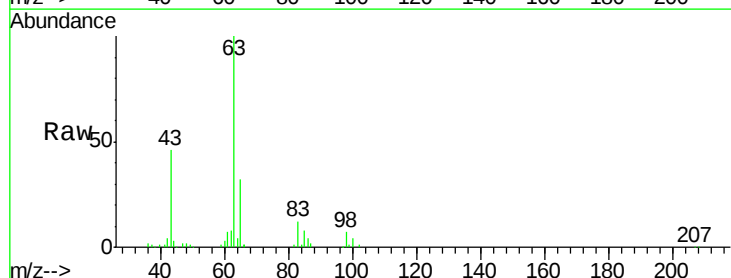
Tgt Ion: 63 Resp: 69177

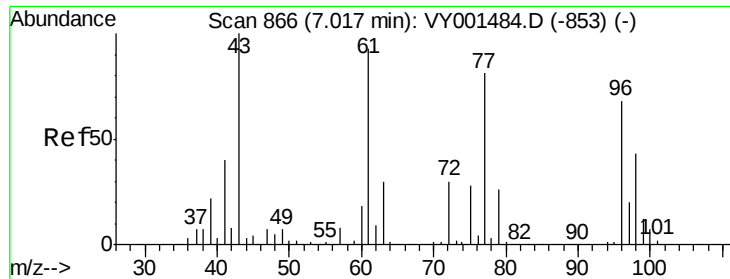
Ion Ratio Lower Upper

63 100

98 6.5 4.0 11.9

100 4.2 2.6 8.0





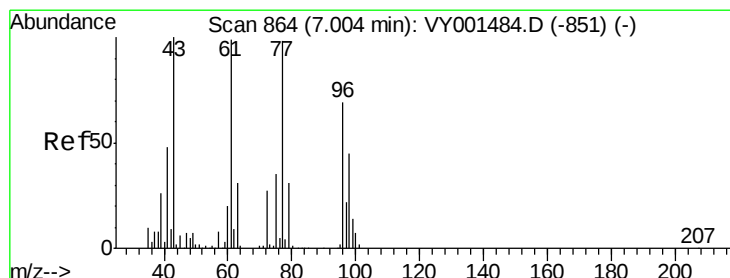
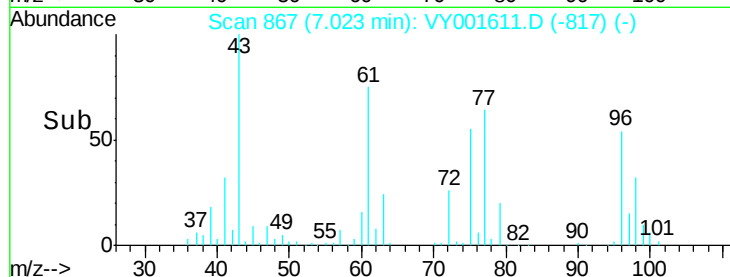
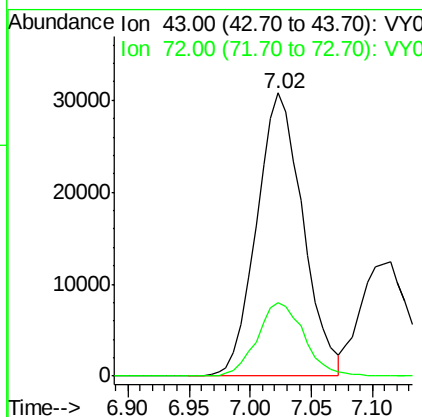
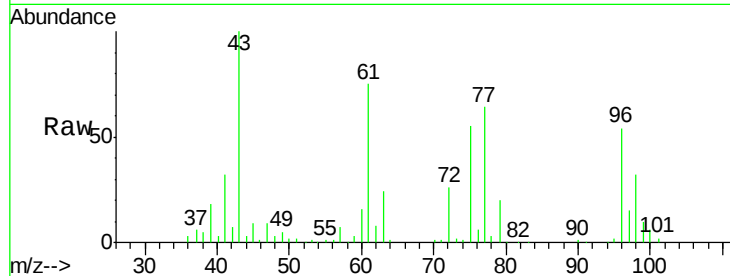
#25
2-Butanone
Concen: 111.704 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 43 Resp: 81069
Ion Ratio Lower Upper
43 100
72 25.9 23.8 35.8

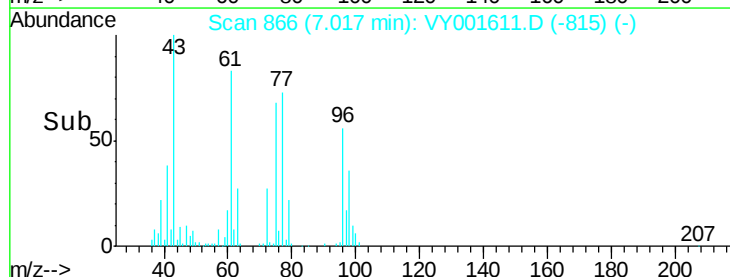
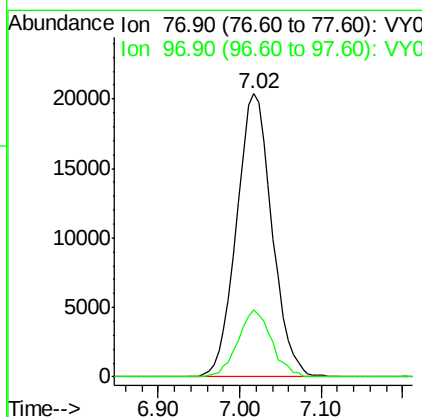
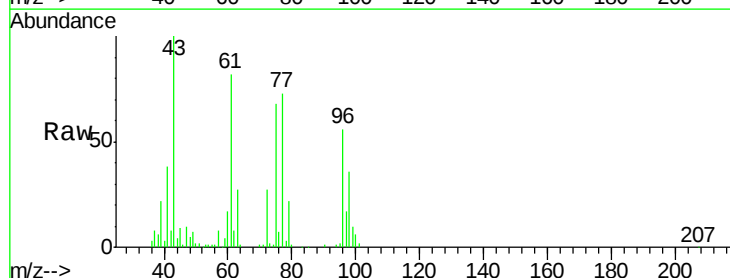
Manual Integrations
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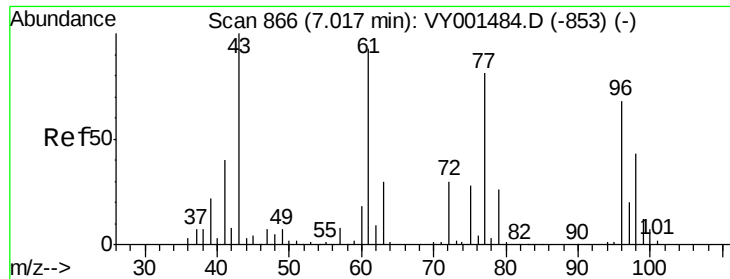
MMDadoda
2/13/2020 12:27:59 PM



#26
2,2-Dichloropropane
Concen: 17.429 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion: 77 Resp: 61407
Ion Ratio Lower Upper
77 100
97 22.6 11.7 35.0





#27

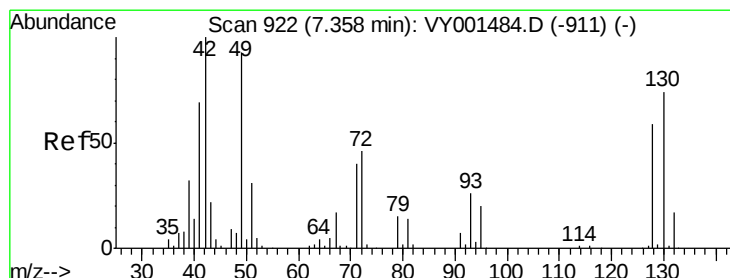
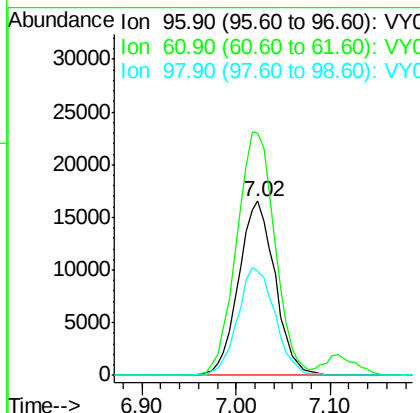
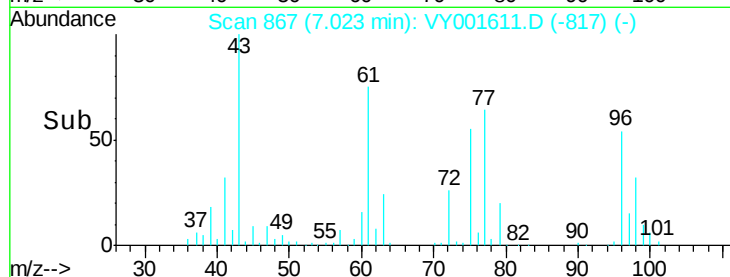
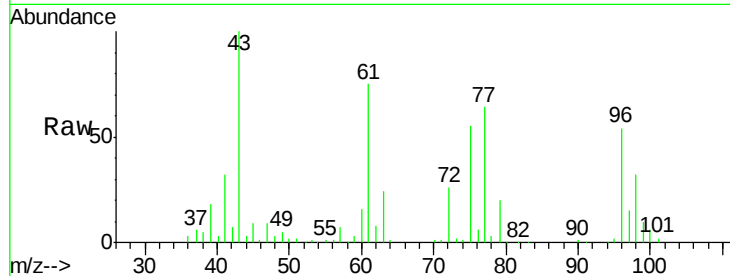
cis-1,2-Dichloroethene
Concen: 18.117 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	278.8
98	63.1	0.0	128.8

Manual Integrations
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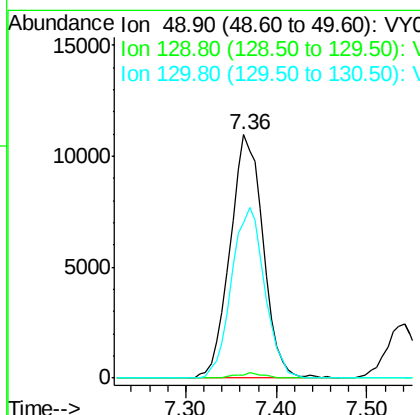
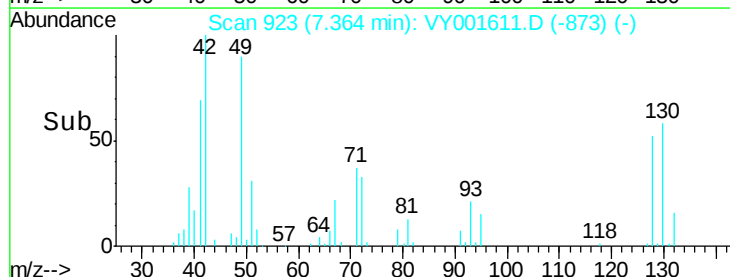
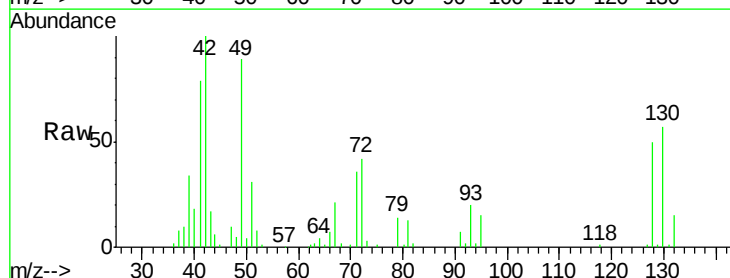
MMDadoda
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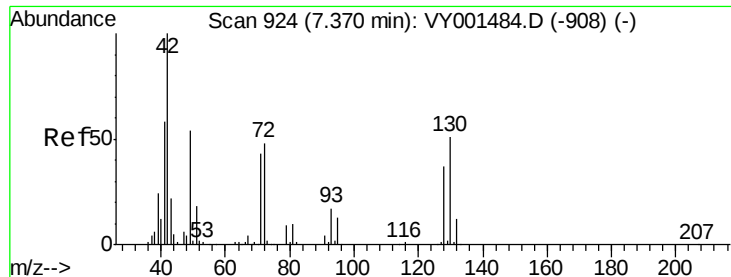


#28

Bromochloromethane
Concen: 22.146 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	70.1	65.4	98.2





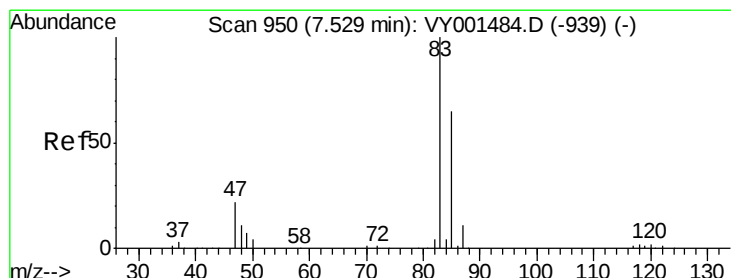
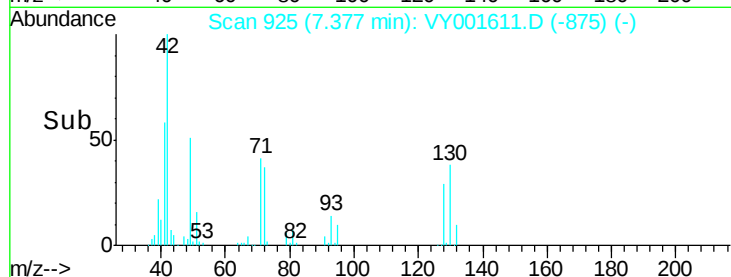
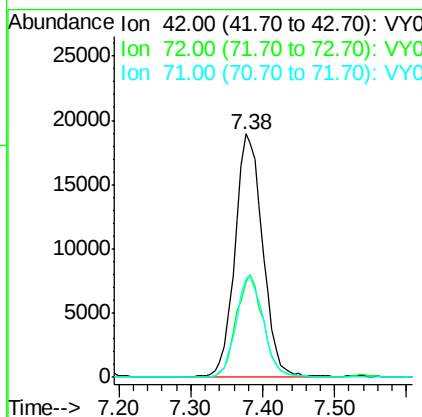
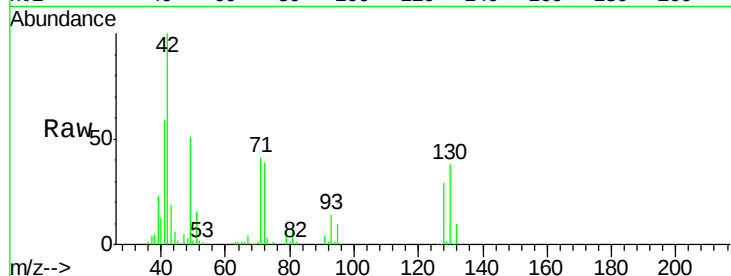
#29
Tetrahydrofuran
Concen: 116.780 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	37.8	56.6
71	40.9	34.8	52.2

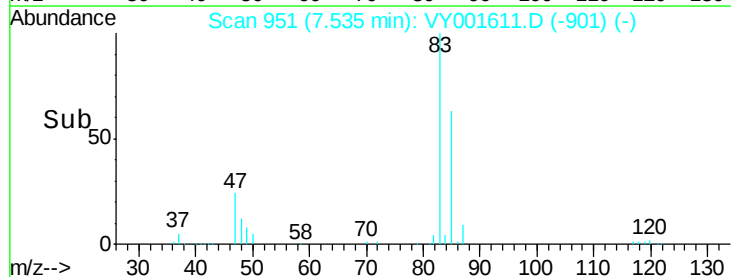
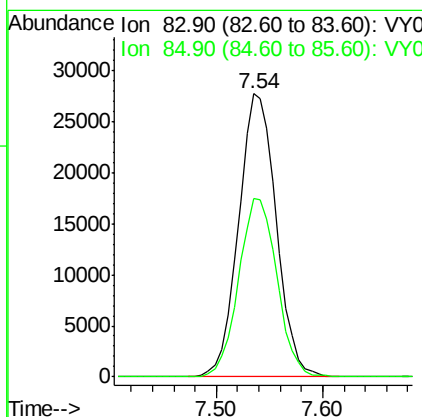
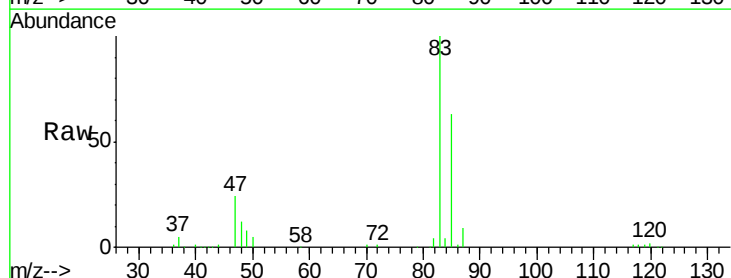
Manual Integrations
APPROVED

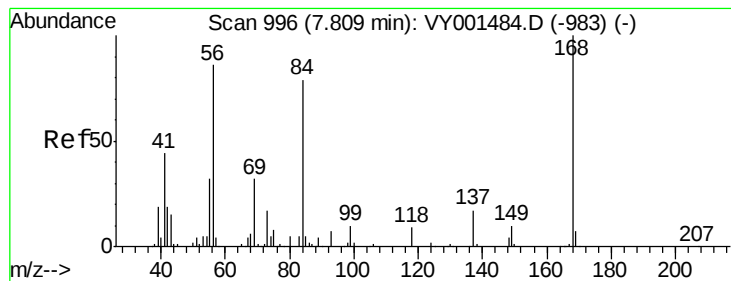
MMDadoda
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#30
Chloroform
Concen: 18.445 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.4	78.6





#31

Cyclohexane

Concen: 19.287 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

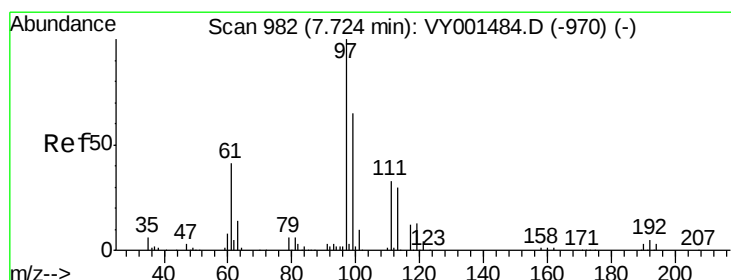
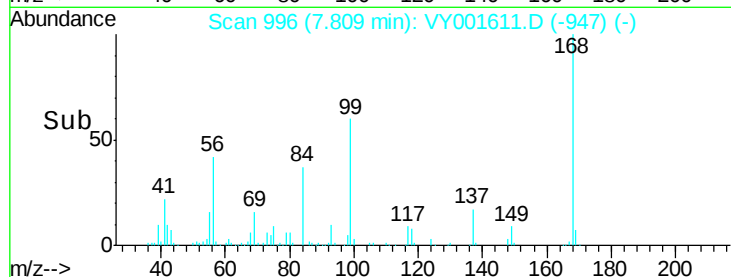
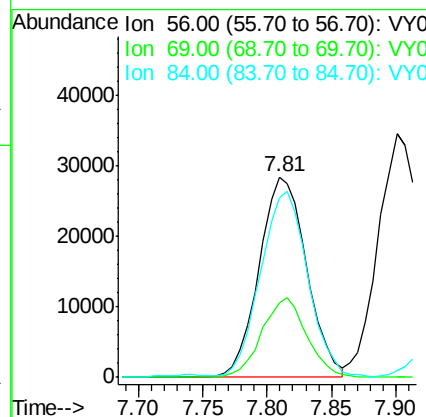
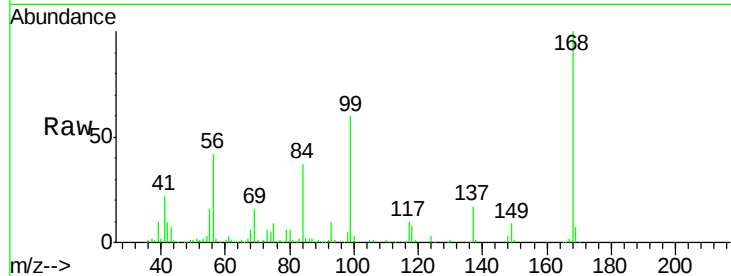
ClientSampleId :

VY0212SBS01

Tot Ion:	56	Resp:	72632
Ion Ratio	Lower	Upper	
56	100		
69	37.5	29.6	44.4
84	88.4	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.969 ug/l

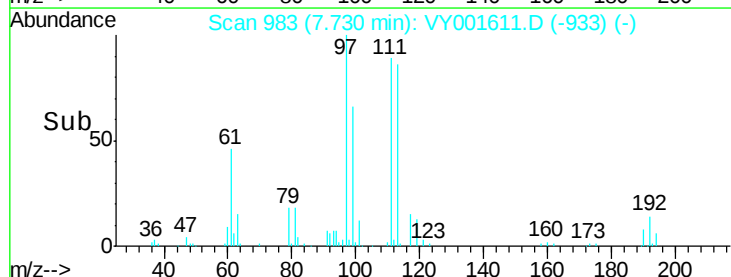
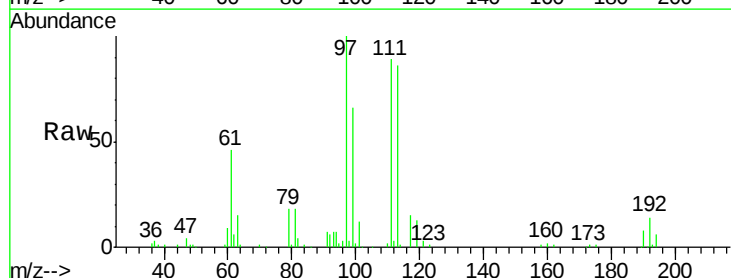
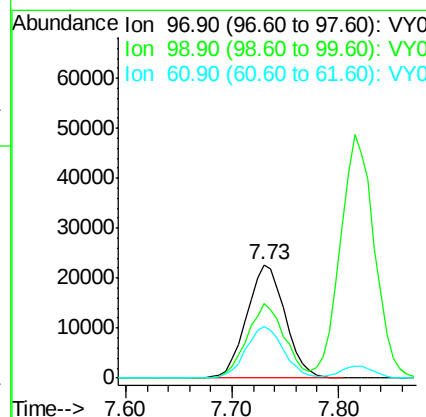
RT: 7.73 min Scan# 983

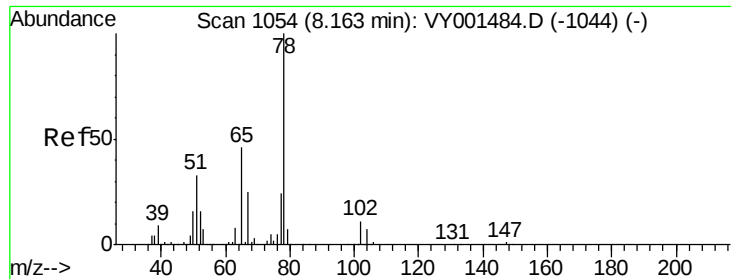
Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	97	Resp:	57372
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.8
61	44.8	32.5	48.7





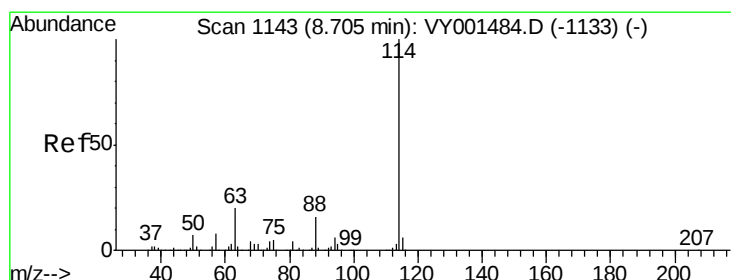
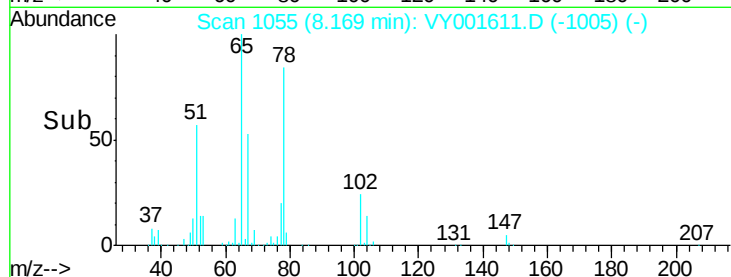
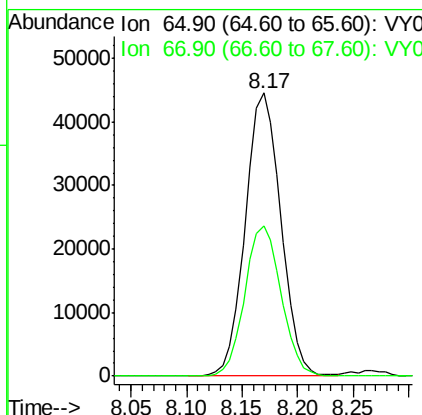
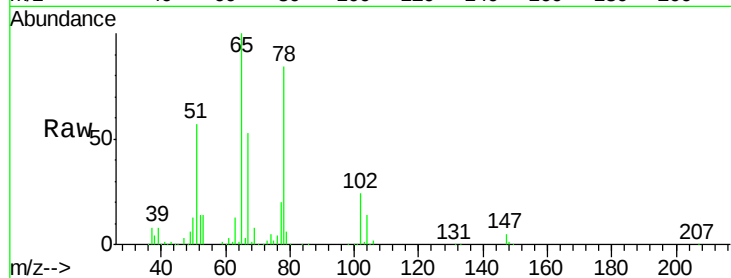
#33
 1,2-Dichloroethane-d4
 Concen: 51.323 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99255		
67	54.2	0.0	108.6	

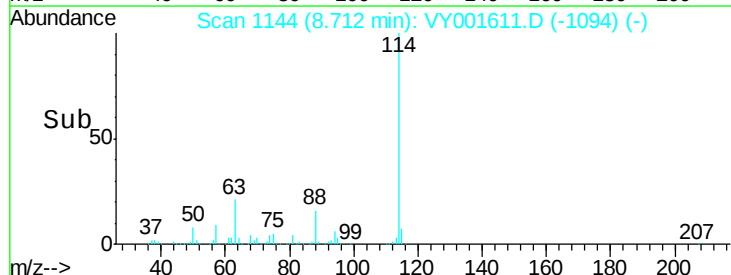
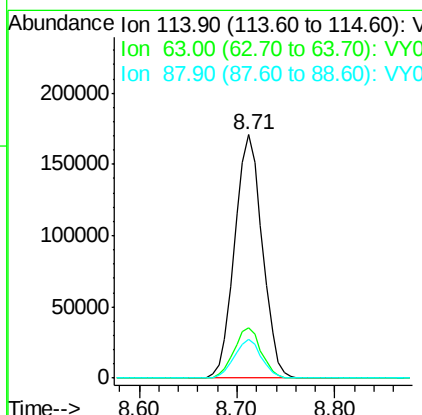
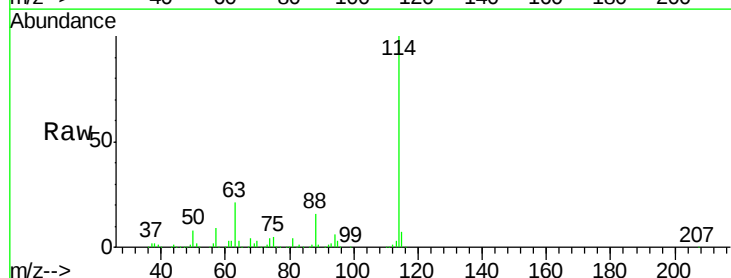
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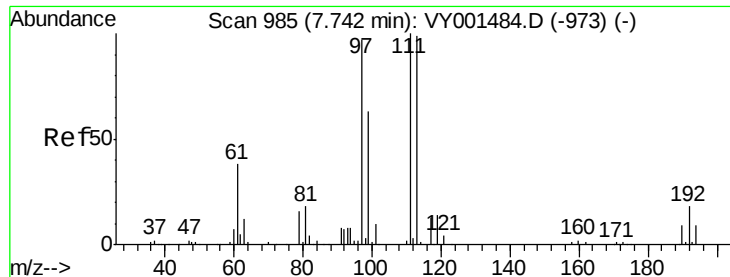
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334439		
63	20.6	0.0	39.8	
88	15.9	0.0	32.6	





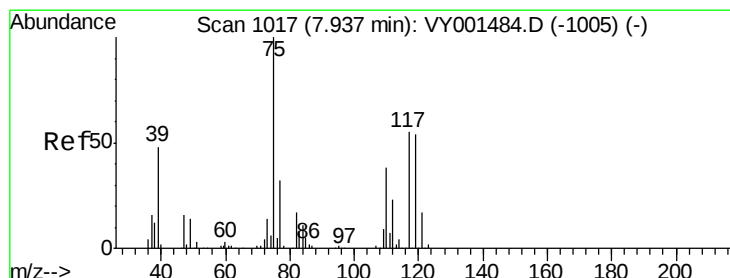
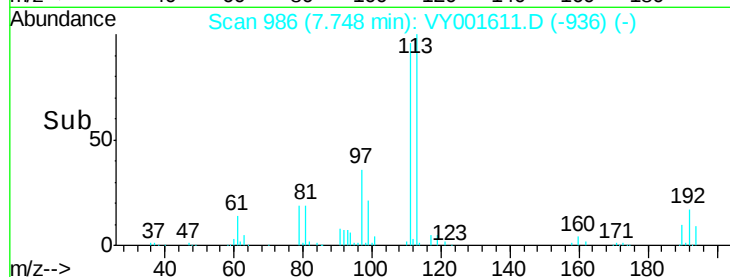
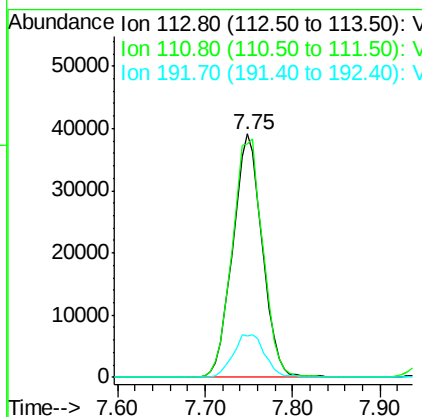
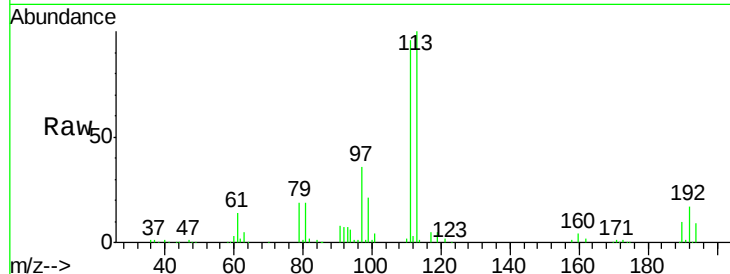
#35
 Dibromofluoromethane
 Concen: 47.427 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.9	14.6	22.0

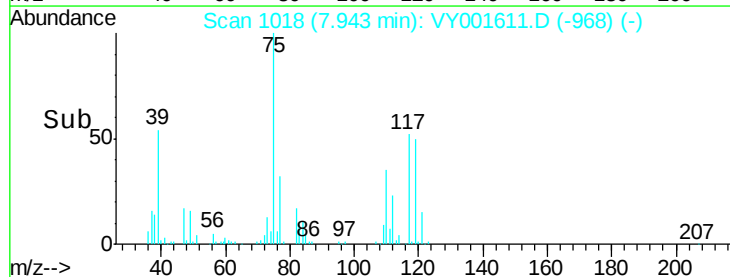
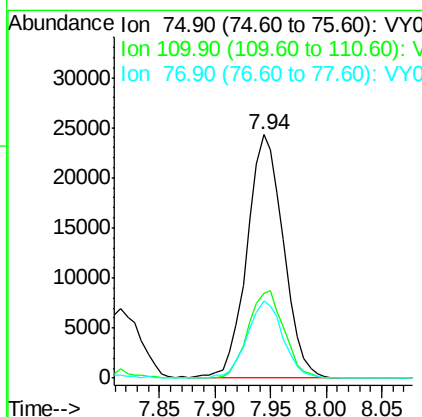
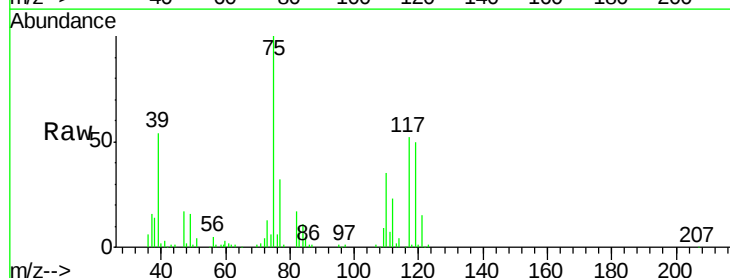
Manual Integrations
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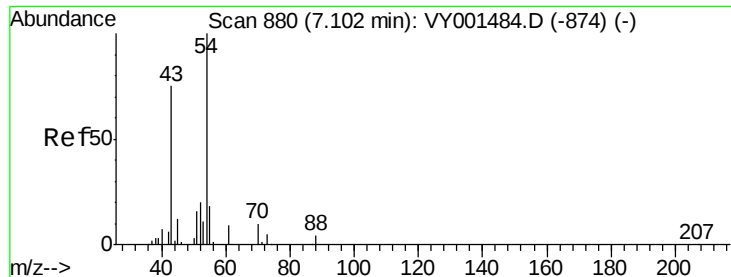
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#36
 1,1-Dichloropropene
 Concen: 18.097 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.2	54.6
77	31.3	25.0	37.4





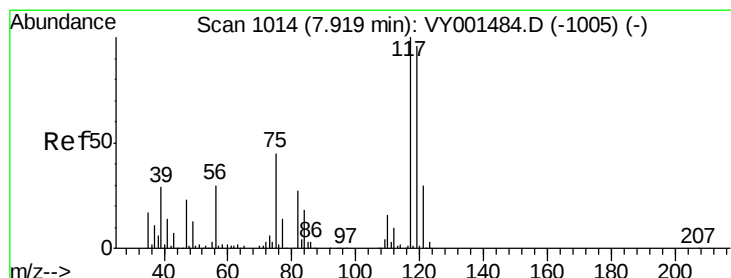
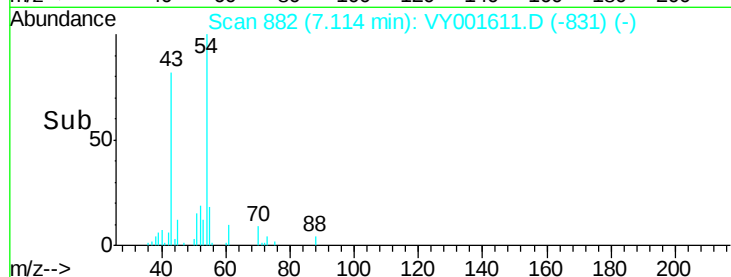
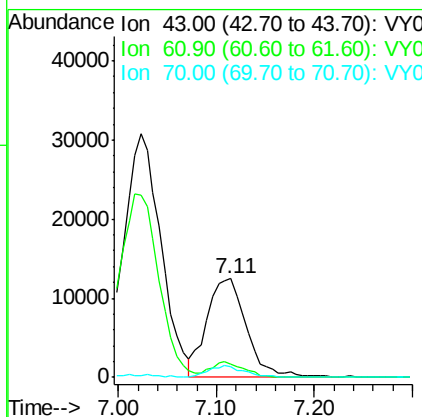
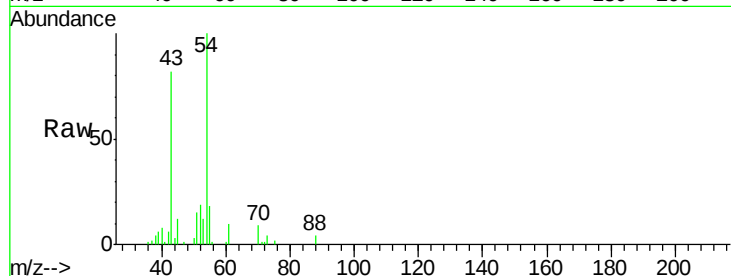
#37
Ethyl Acetate
Concen: 23.411 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.0	18.0
70	10.7	10.2	15.4

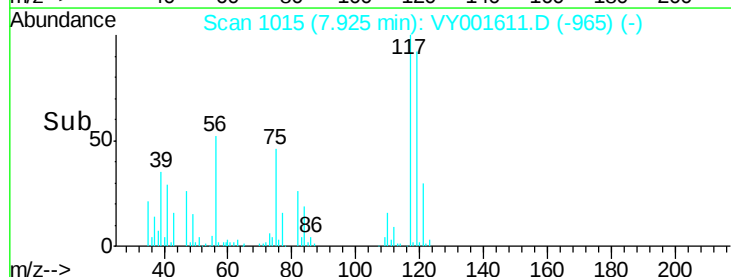
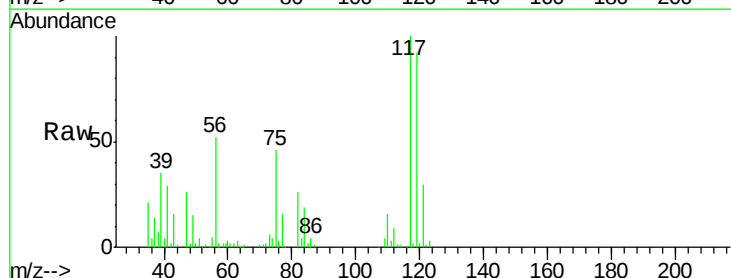
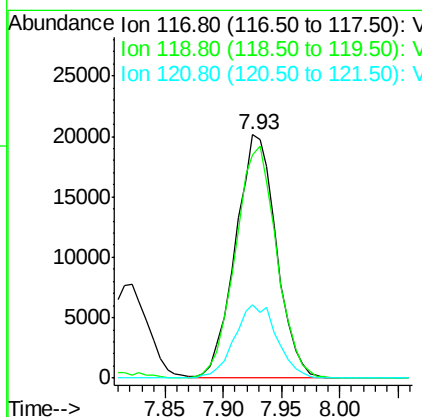
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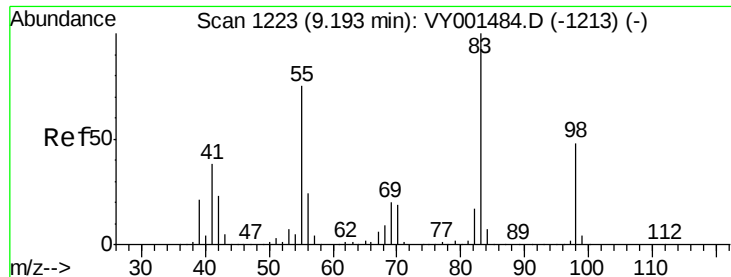
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#38
Carbon Tetrachloride
Concen: 16.625 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.4	114.6
121	30.2	24.2	36.4





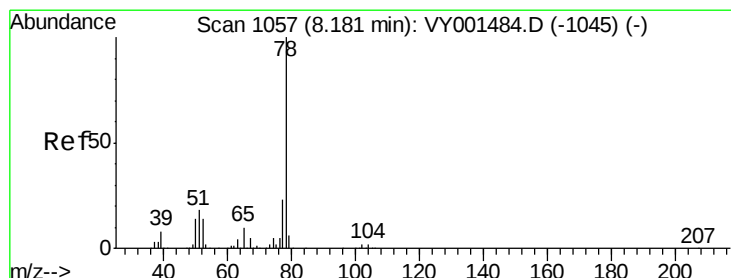
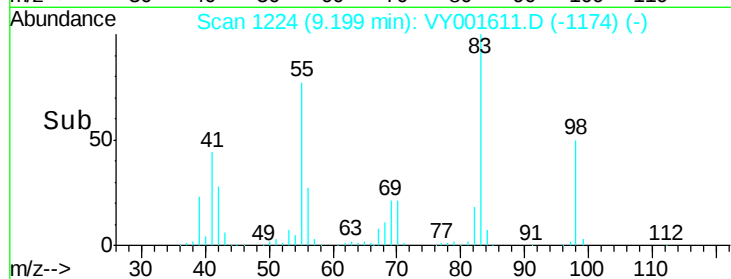
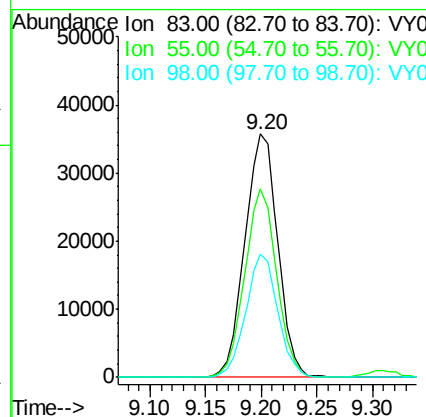
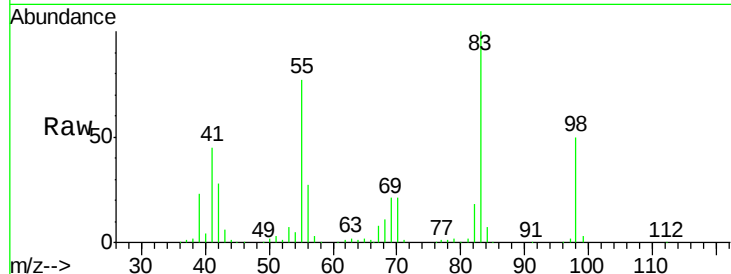
#39
Methvlcvclohexane
Concen: 18.220 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	59.8	89.6
98	50.5	38.6	57.8

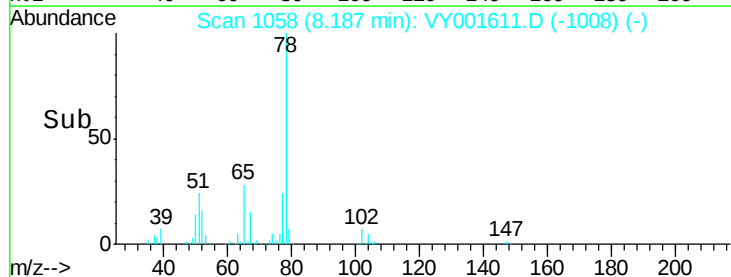
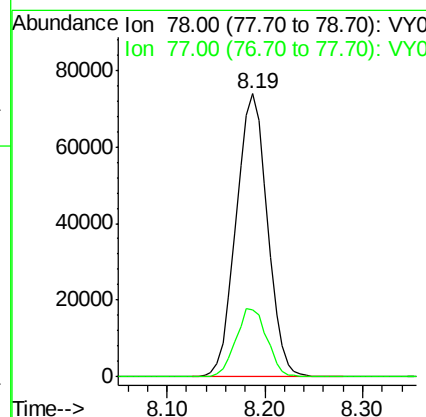
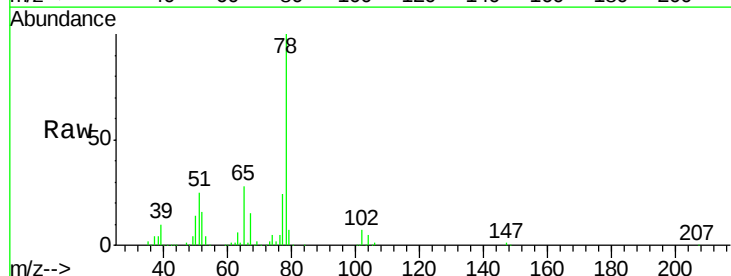
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#40
Benzene
Concen: 18.796 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





#41

Methacrylonitrile

Concen: 24.122 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 41 Resp: 16558

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

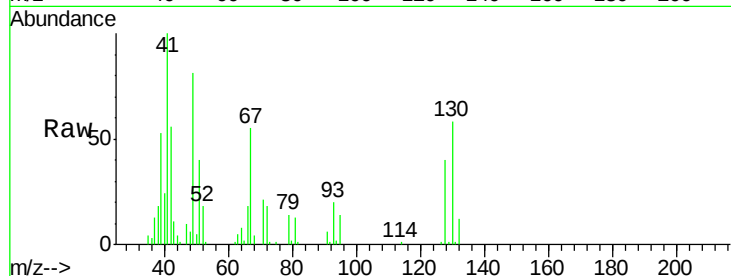
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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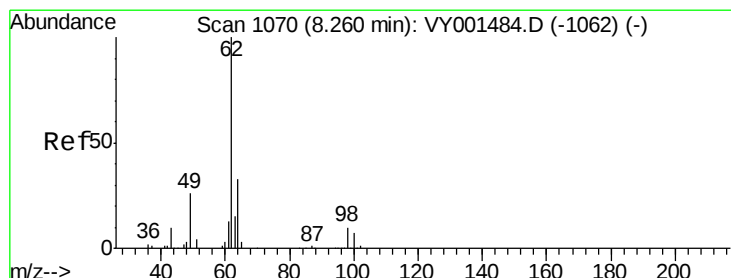
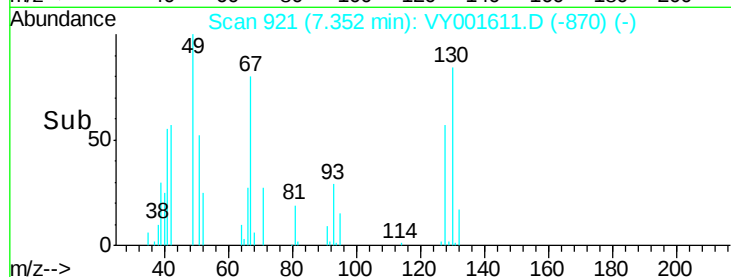
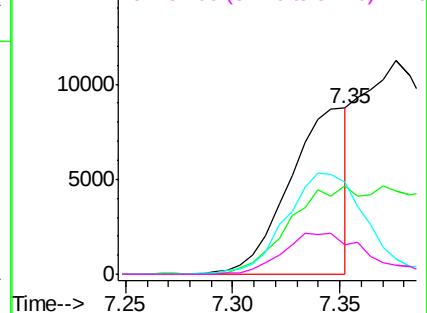


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 18.371 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001611.D

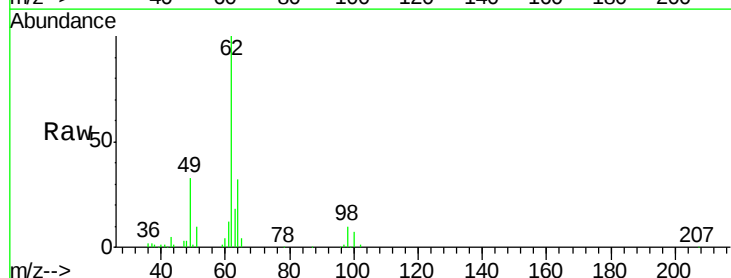
Acq: 12 Feb 2020 13:27

Tgt Ion: 62 Resp: 44665

Ion Ratio Lower Upper

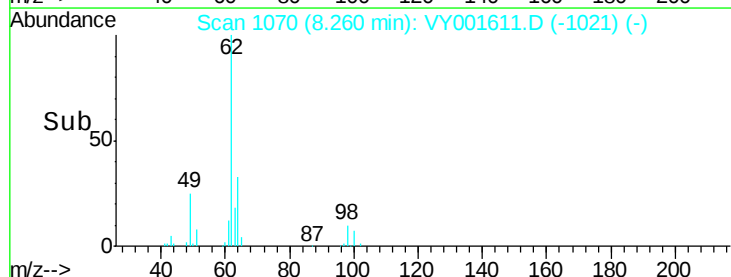
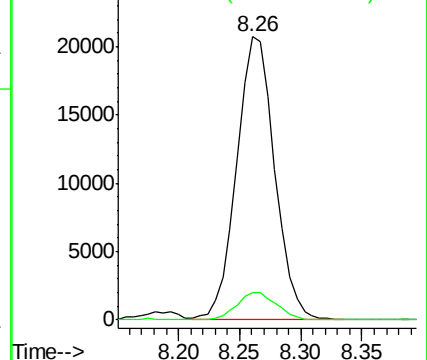
62 100

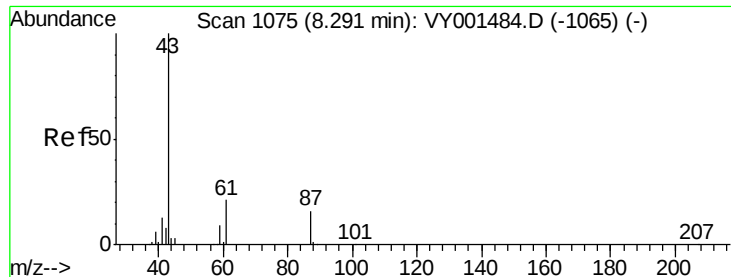
98 10.1 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 22.291 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

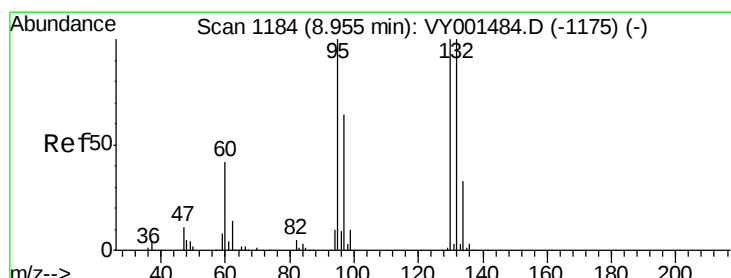
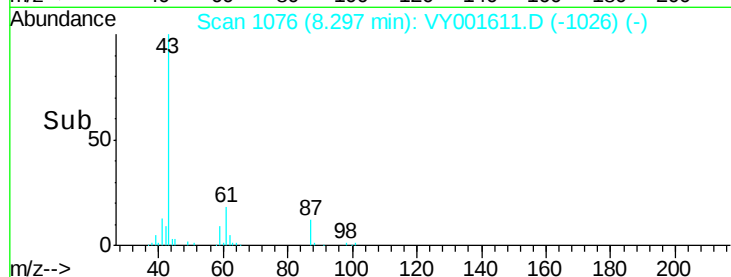
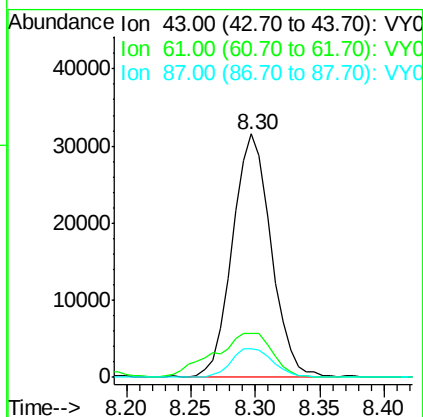
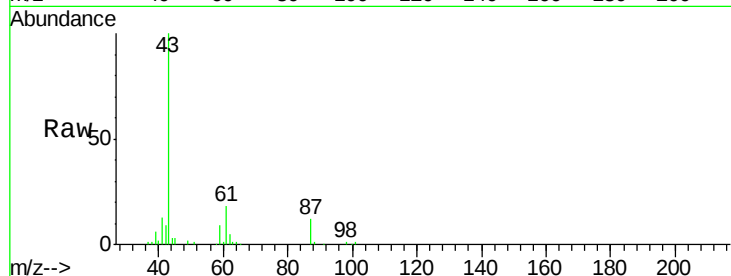
ClientSampleId :

VY0212SBS01

Tot Ion:	43	Resp:	65367
Ion	Ratio	Lower	Upper
43	100		
61	27.5	25.1	37.7
87	12.8	12.6	19.0

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#44

Trichloroethene

Concen: 17.828 ug/l

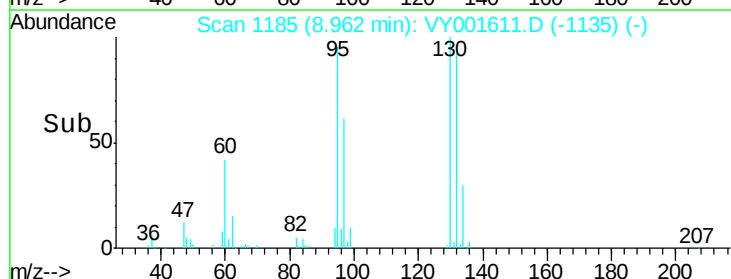
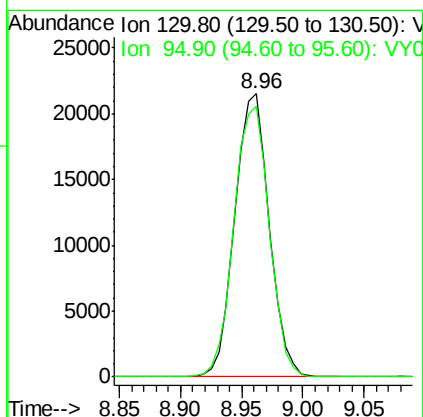
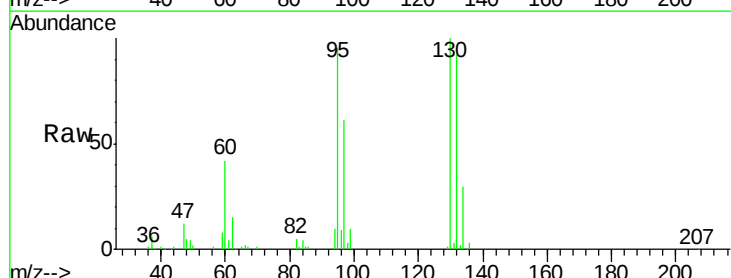
RT: 8.96 min Scan# 1185

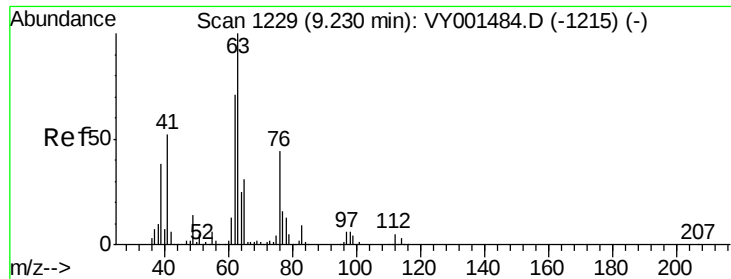
Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	130	Resp:	41937
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	199.2





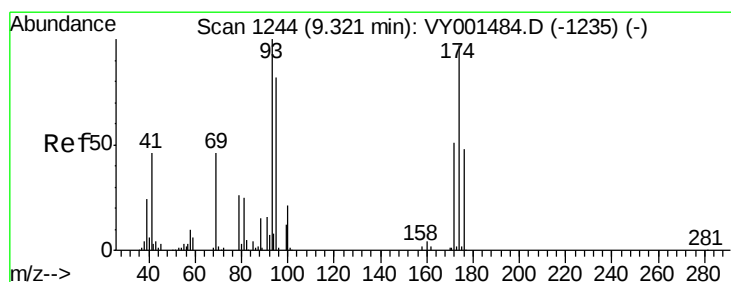
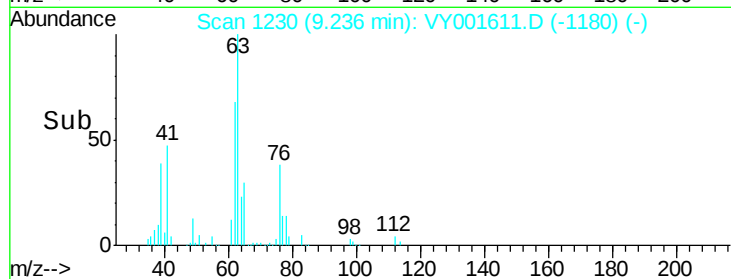
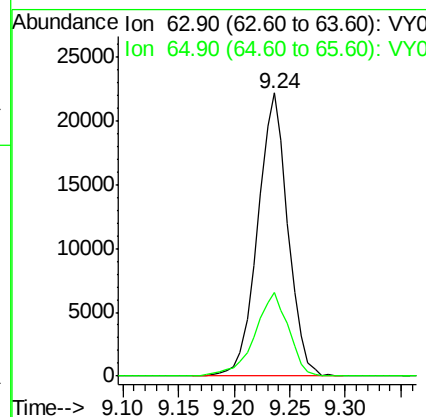
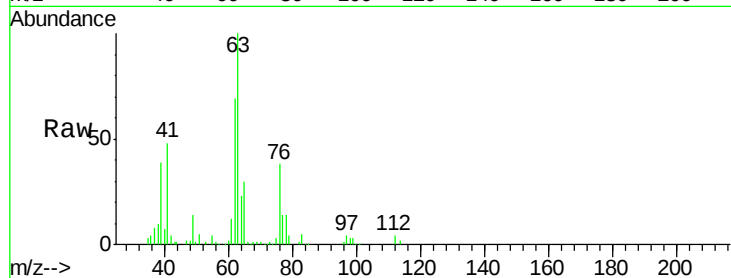
#45
 1,2-Dichloropropane
 Concen: 19.881 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	63	Resp	41894
Ion Ratio	Lower	Upper	
63	100		
65	29.5	25.0	37.4

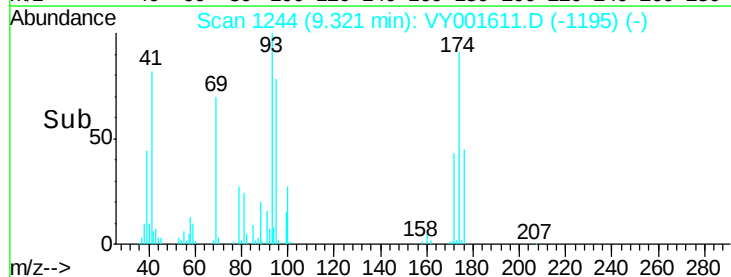
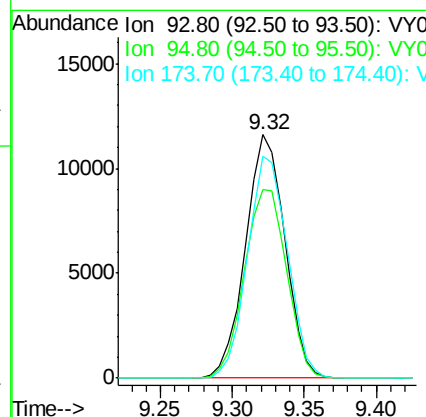
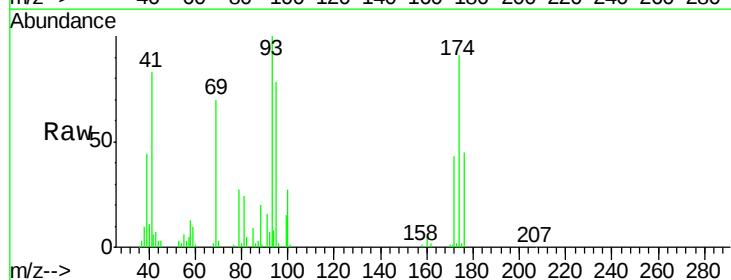
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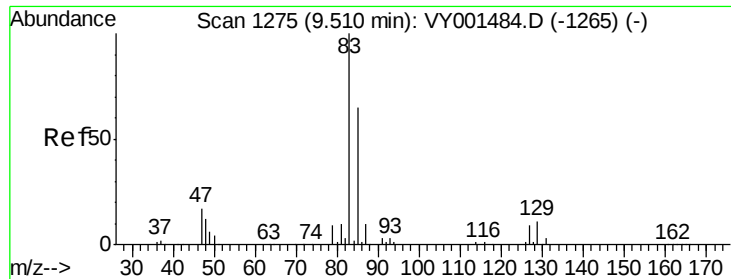
MMDadoda
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#46
 Dibromomethane
 Concen: 18.570 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion	93	Resp	21973
Ion Ratio	Lower	Upper	
93	100		
95	83.2	66.6	99.8
174	91.9	75.4	113.2





#47

Bromodichloromethane

Concen: 18.039 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

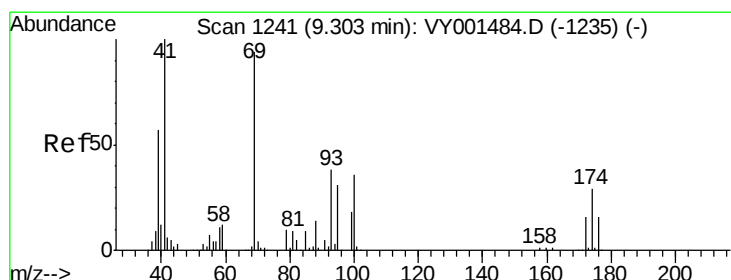
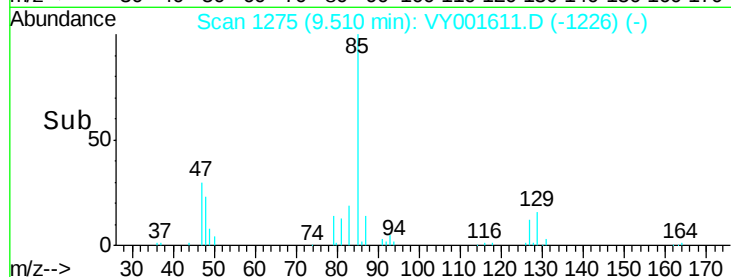
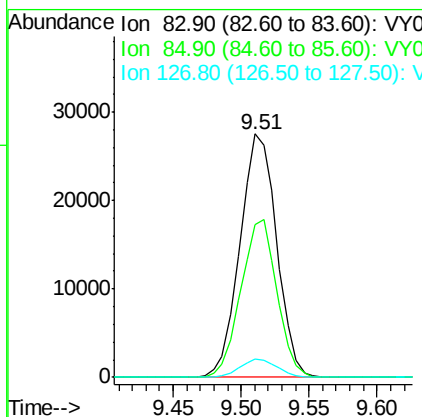
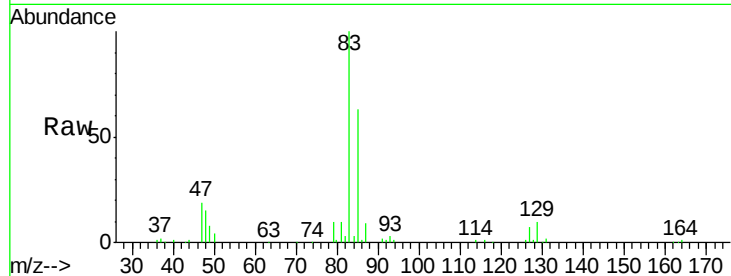
ClientSampleId :

VY0212SBS01

Tot Ion:	83	Resp:	52008
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.9	77.9
127	7.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.636 ug/l

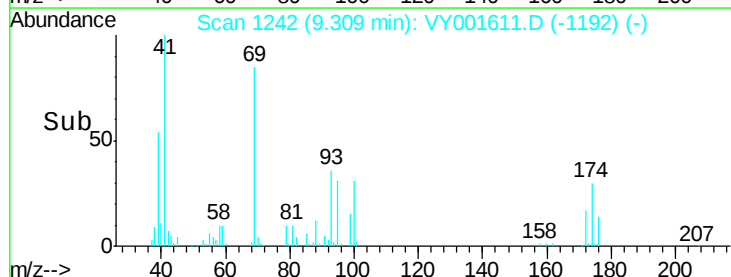
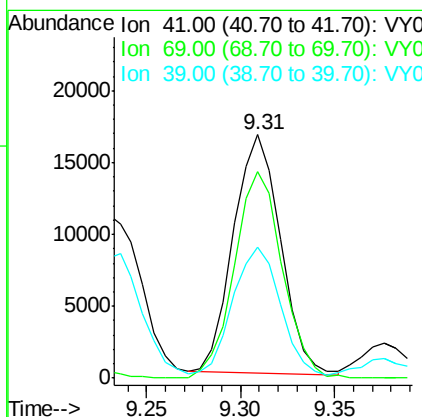
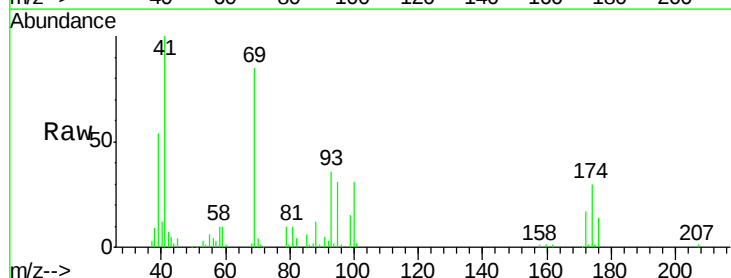
RT: 9.31 min Scan# 1242

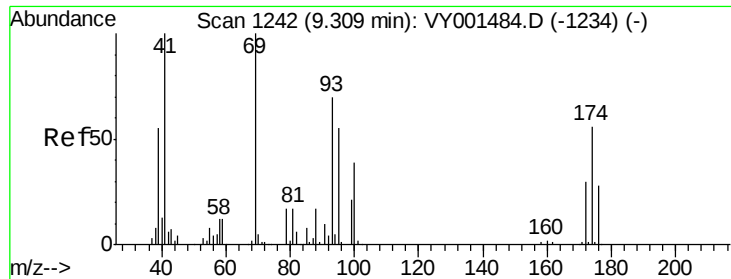
Delta R.T. 0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	41	Resp:	28796
Ion	Ratio	Lower	Upper
41	100		
69	88.2	76.6	114.8
39	53.9	45.4	68.0





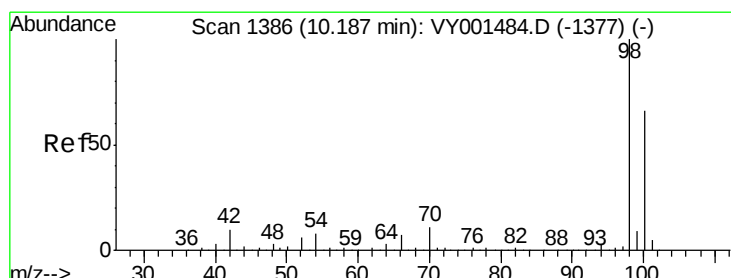
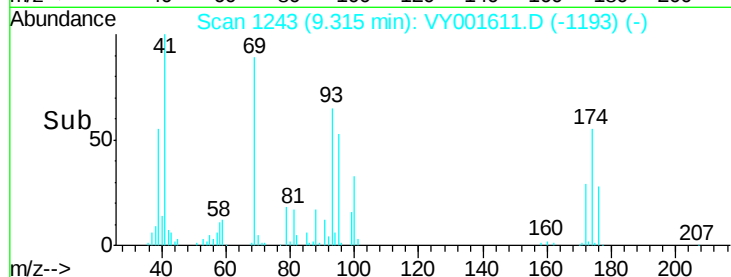
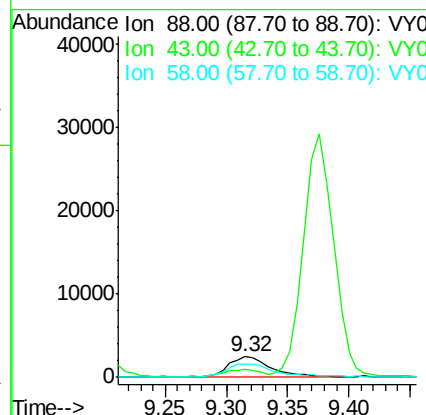
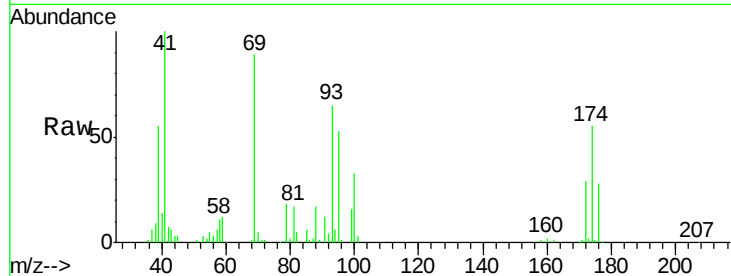
#49
1,4-Dioxane
Concen: 394.316 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	24.8	37.2
58	77.3	59.3	88.9

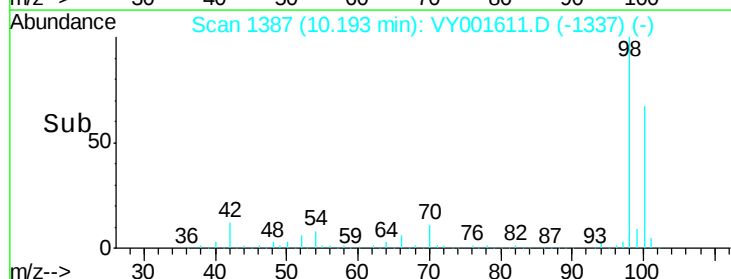
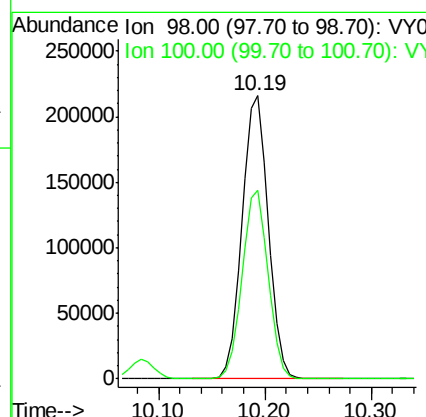
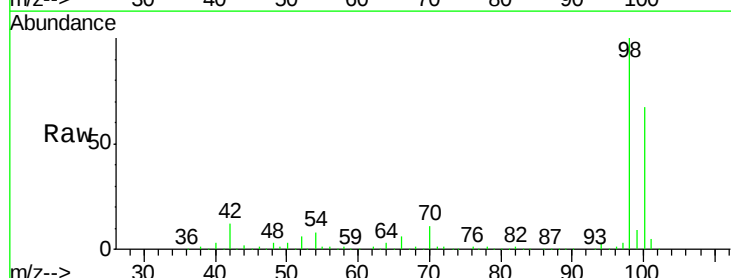
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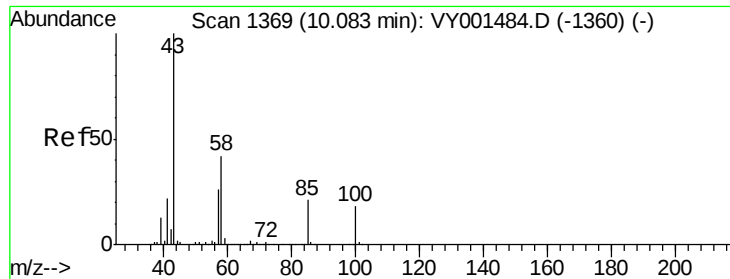
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#50
Toluene-d8
Concen: 51.134 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





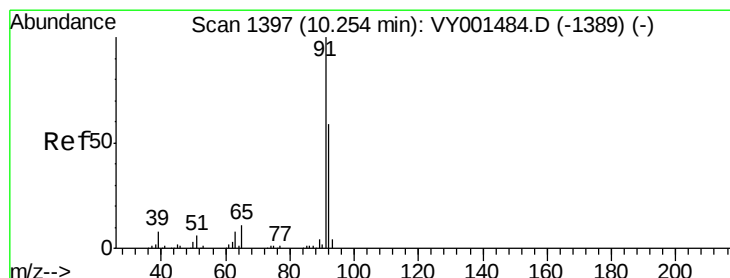
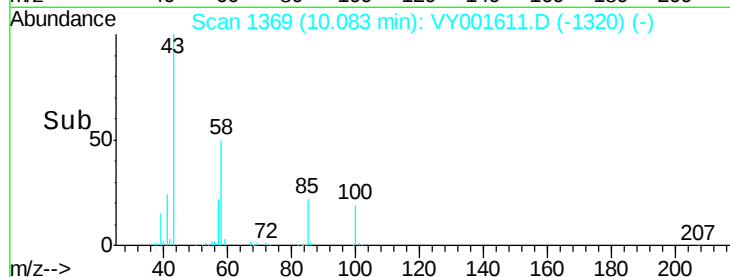
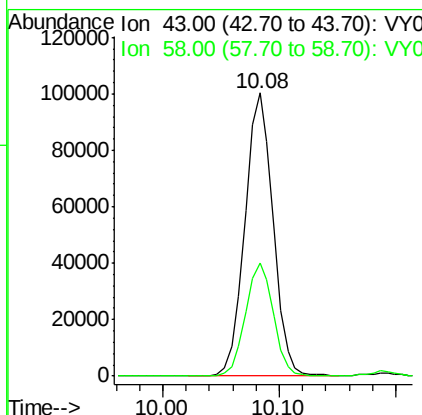
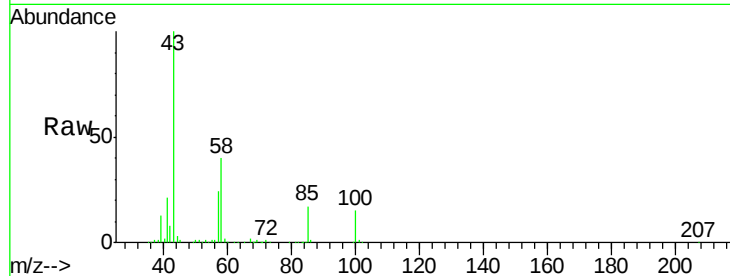
#51
 4-Methyl-2-Pentanone
 Concen: 117.297 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	33.9	50.9

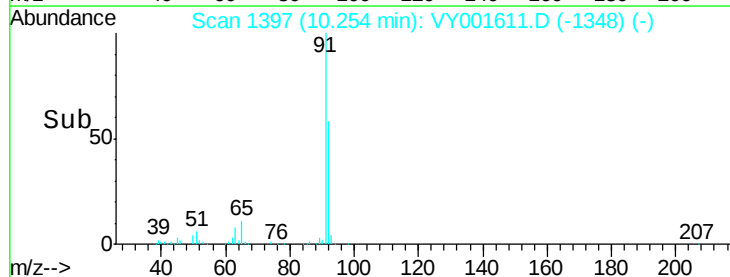
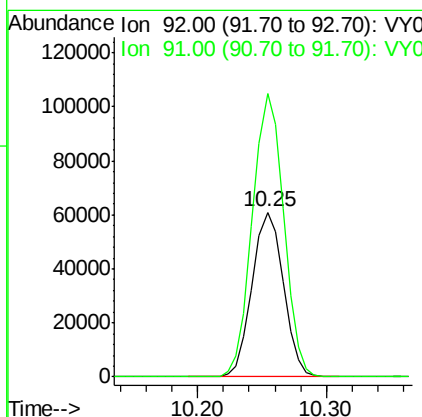
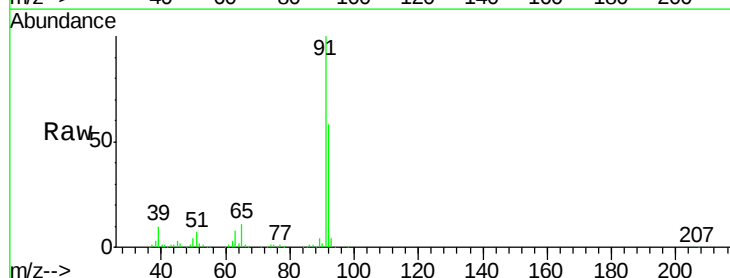
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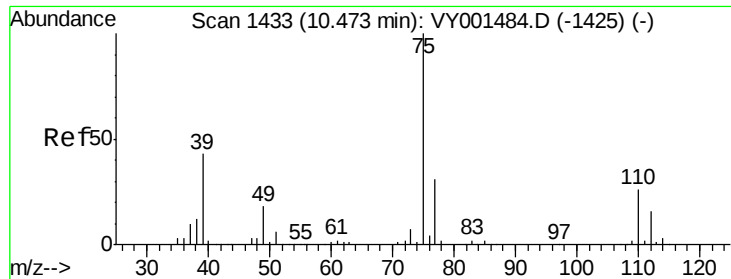
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#52
 Toluene
 Concen: 18.502 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	204.8





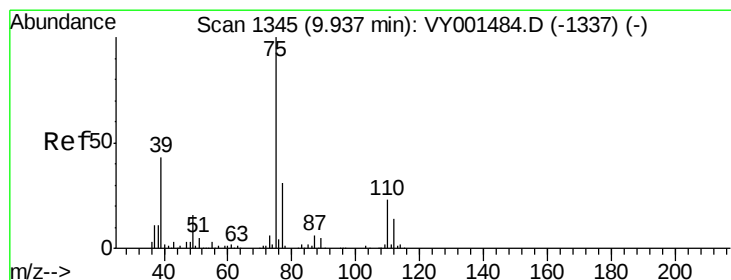
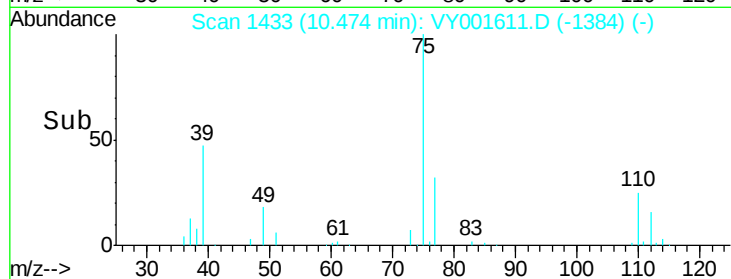
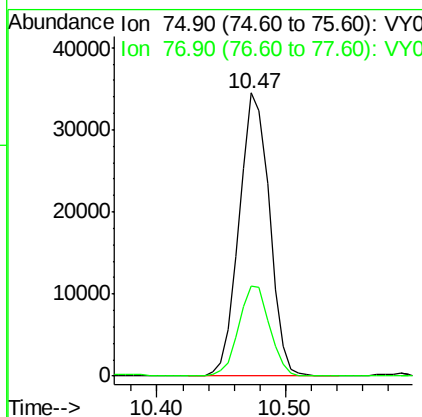
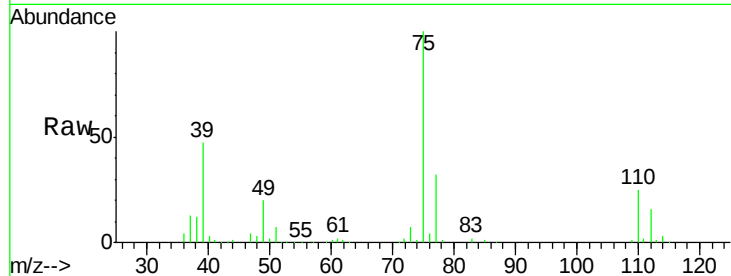
#53
t-1,3-Dichloropropene
Concen: 17.910 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 75 Resp: 56242
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3

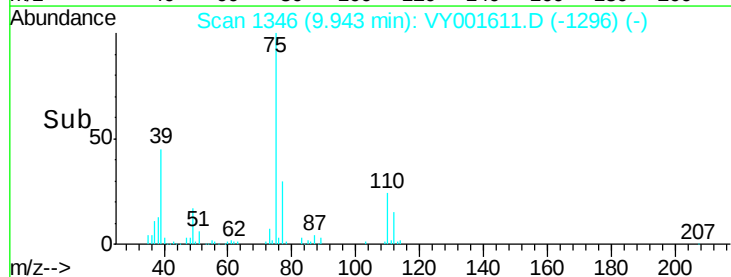
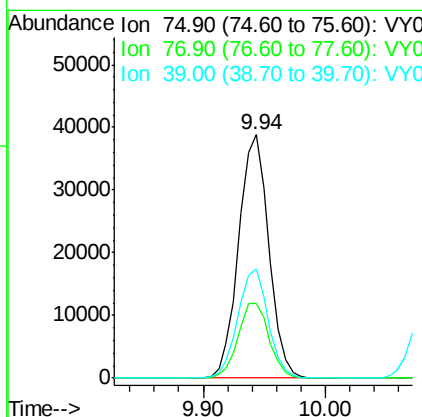
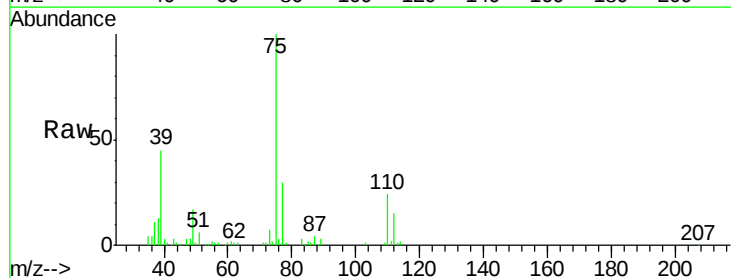
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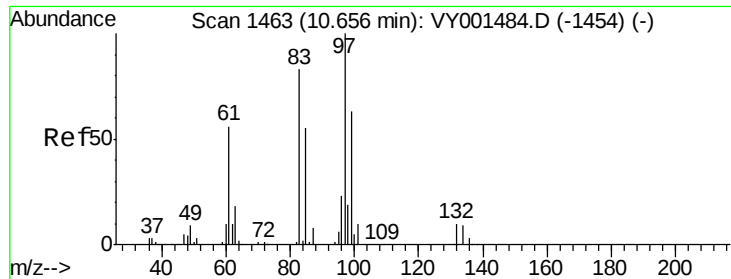
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#54
cis-1,3-Dichloropropene
Concen: 18.360 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion: 75 Resp: 66190
Ion Ratio Lower Upper
75 100
77 30.4 24.7 37.1
39 44.7 34.0 51.0





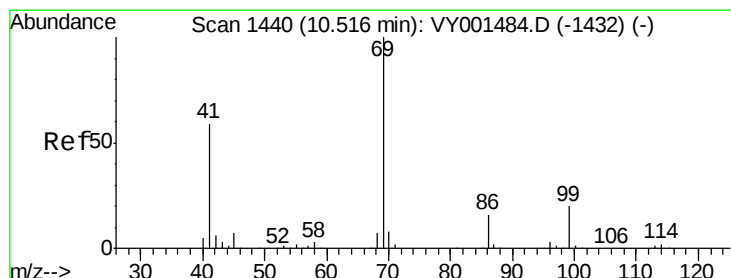
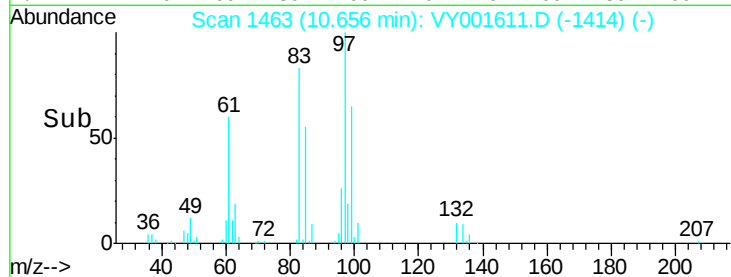
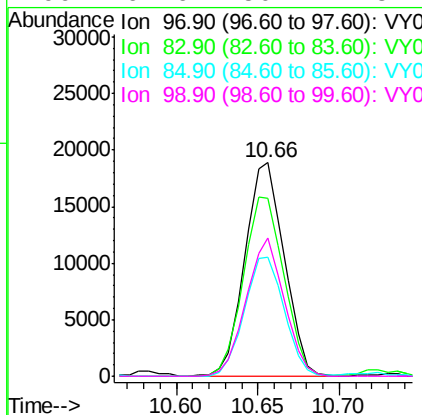
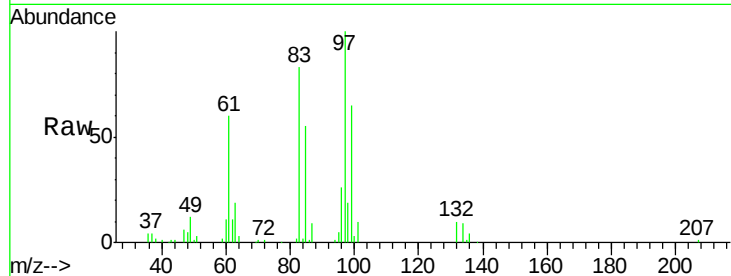
#55
 1,1,2-Trichloroethane
 Concen: 18.745 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion:	97	Resp:	31823
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.2	99.2
85	55.5	43.8	65.6
99	64.6	50.1	75.1

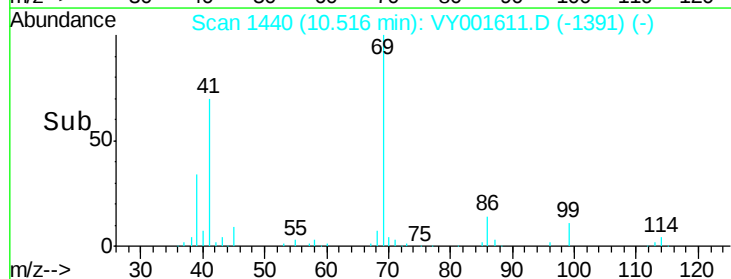
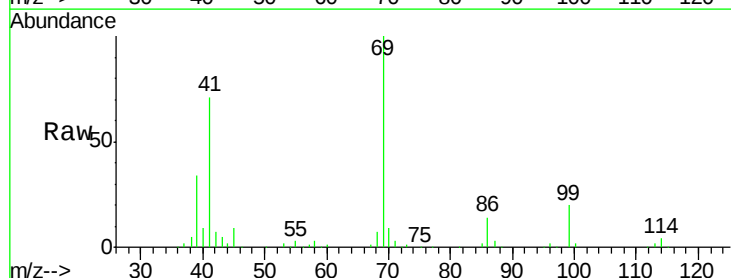
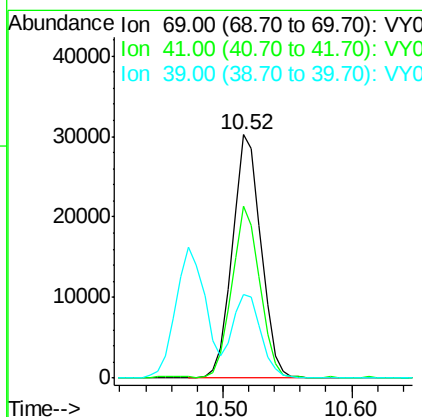
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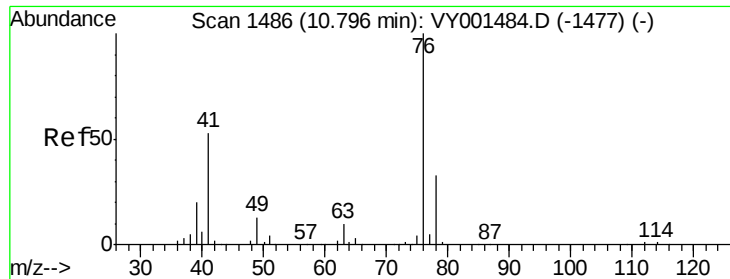
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#56
 Ethyl methacrylate
 Concen: 19.350 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion:	69	Resp:	46724
Ion	Ratio	Lower	Upper
69	100		
41	68.4	47.8	71.8
39	34.2	24.4	36.6





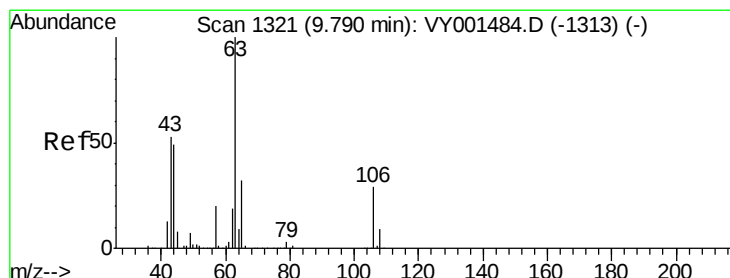
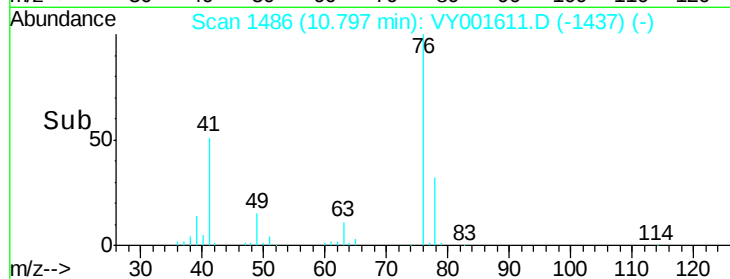
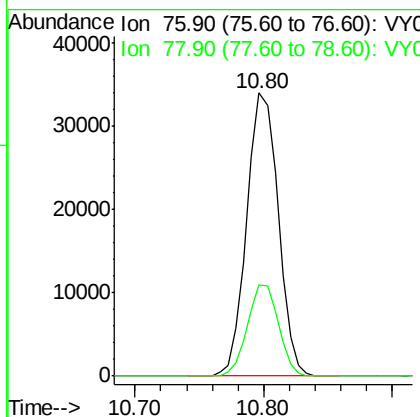
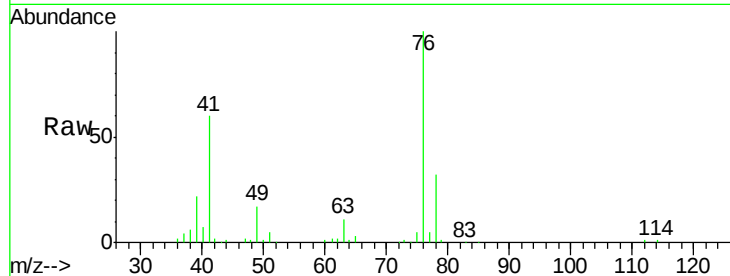
#57
 1,3-Dichloropropane
 Concen: 19.196 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

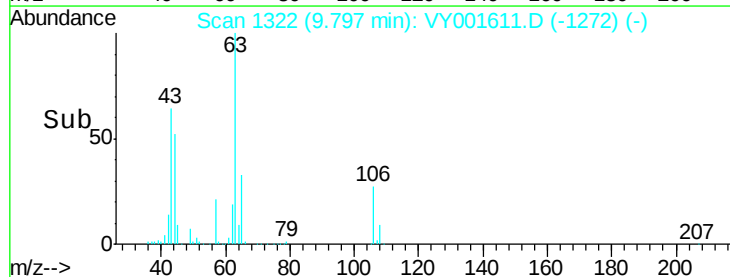
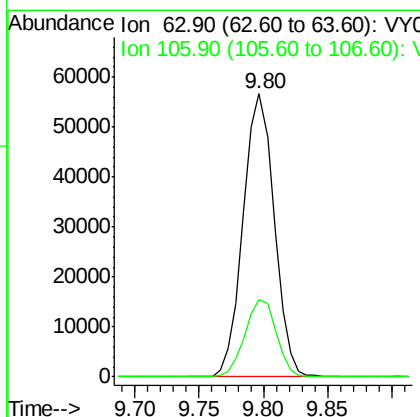
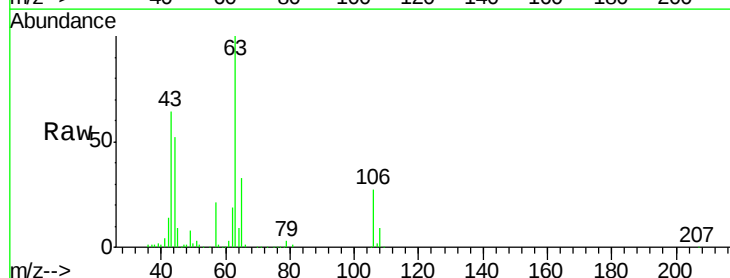
Manual Integrations
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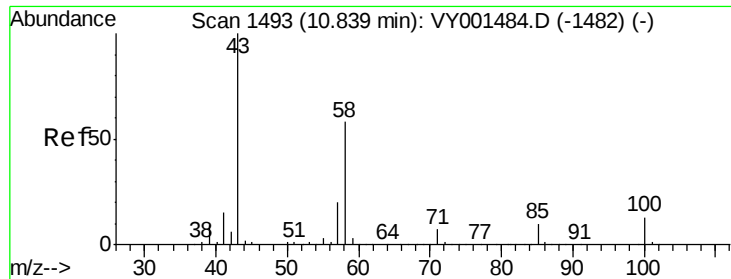
MMDadoda
 2/13/2020 12:27:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.504 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001611.D
 Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	24.0	36.0





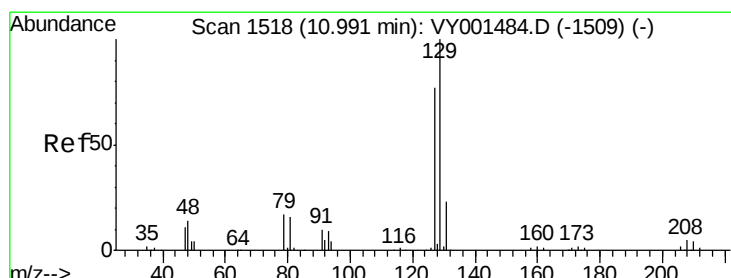
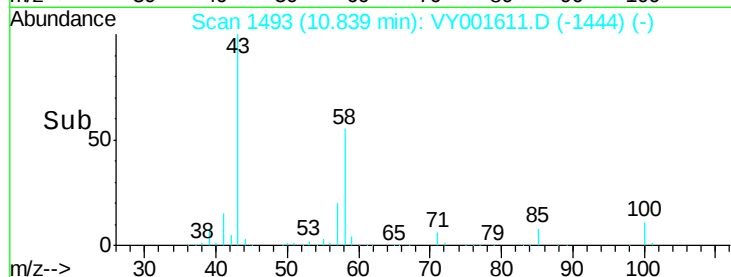
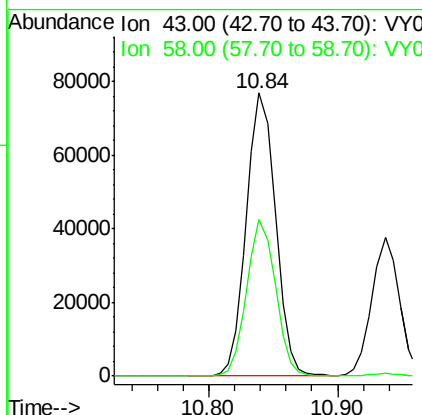
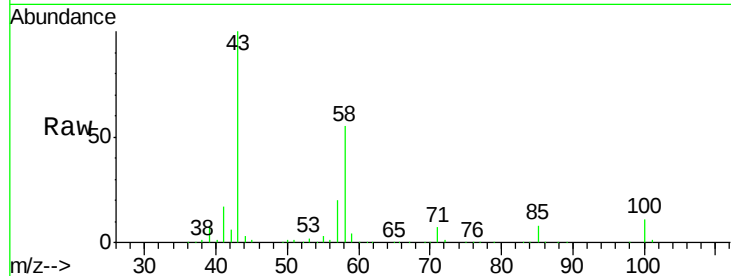
#59
2-Hexanone
Concen: 115.234 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	29.0	87.0

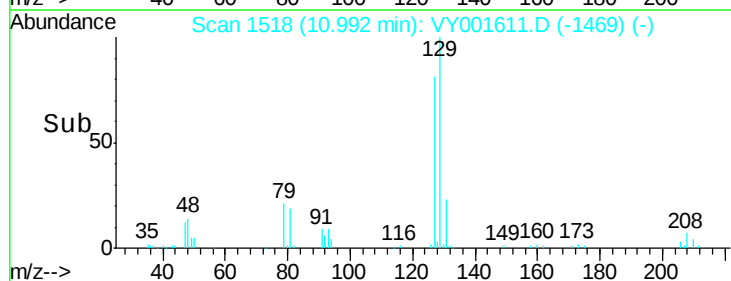
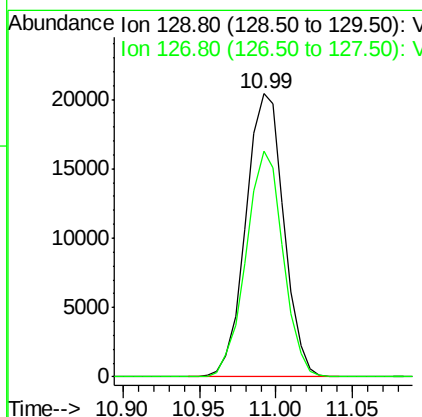
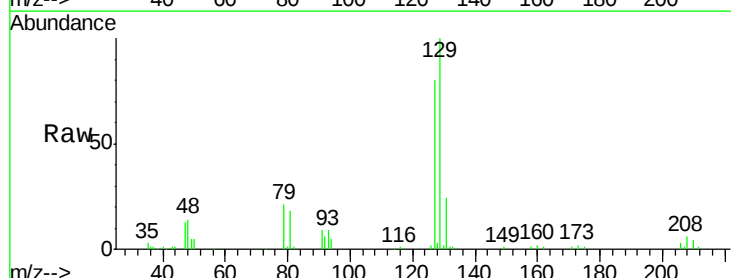
Manual Integrations
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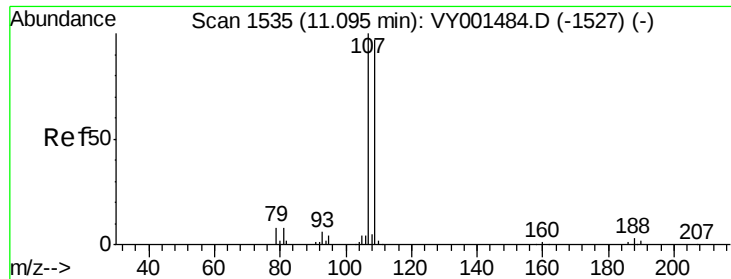
MMDadoda
2/13/2020 12:27:59 PM



#60
Dibromochloromethane
Concen: 17.632 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.6





#61

1,2-Dibromoethane

Concen: 17.908 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 107 Resp: 29945

Ion Ratio Lower Upper

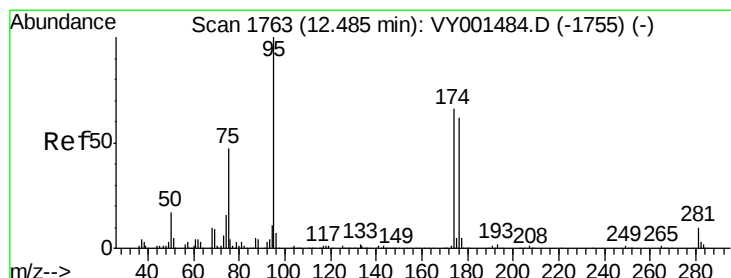
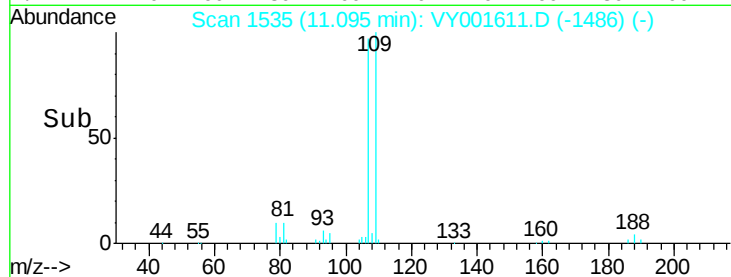
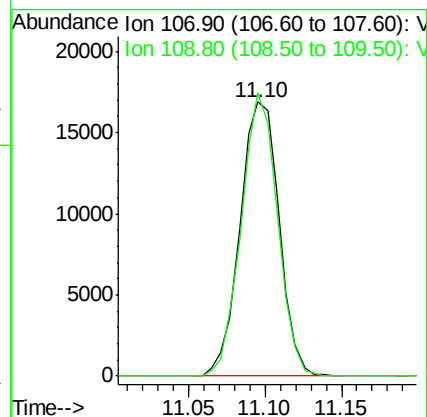
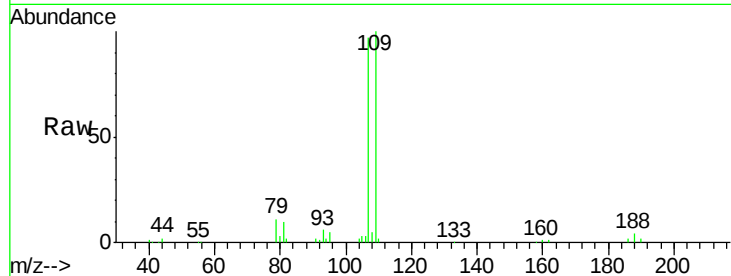
107 100

109 95.8 76.2 114.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.803 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

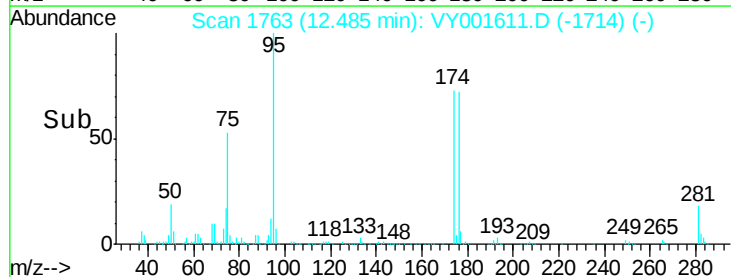
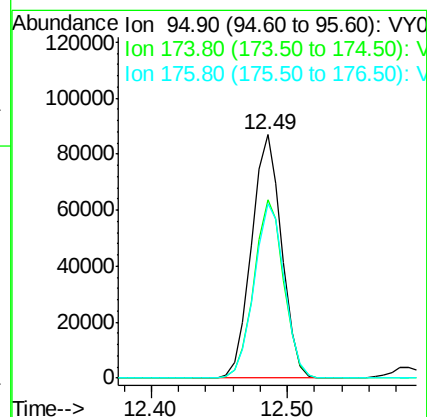
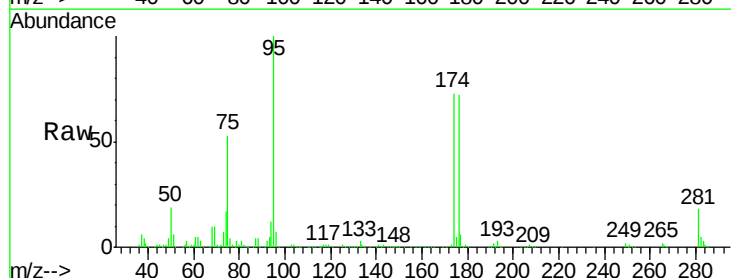
Tgt Ion: 95 Resp: 134531

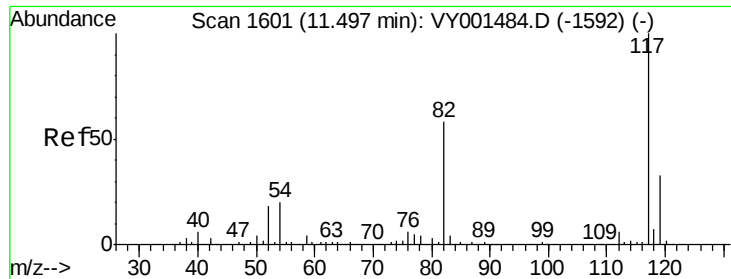
Ion Ratio Lower Upper

95 100

174 72.8 0.0 141.4

176 72.4 0.0 135.4





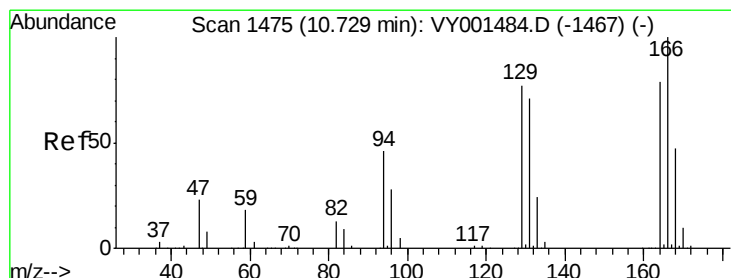
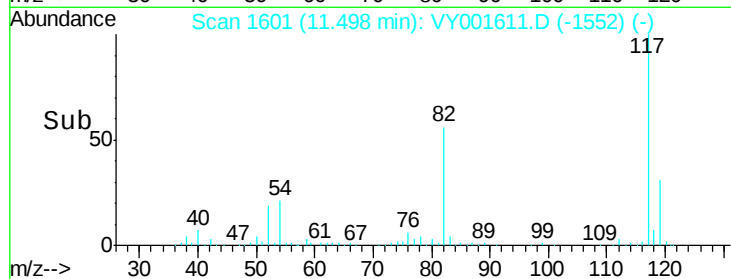
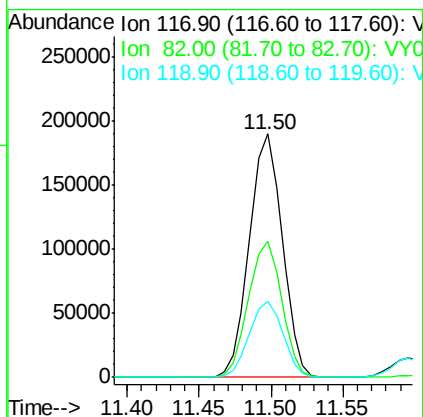
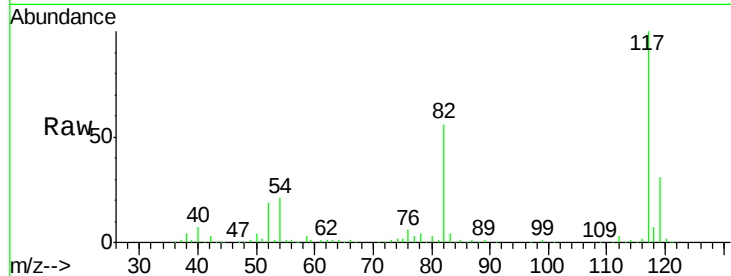
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.1	69.1
119	31.4	26.1	39.1

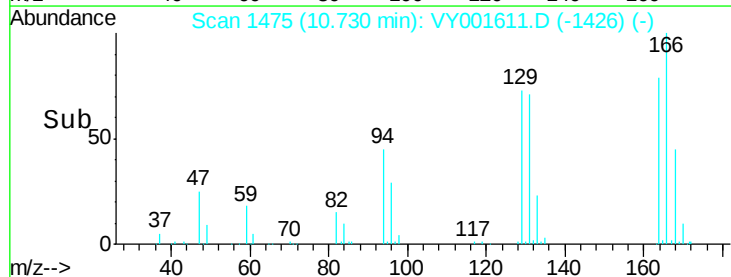
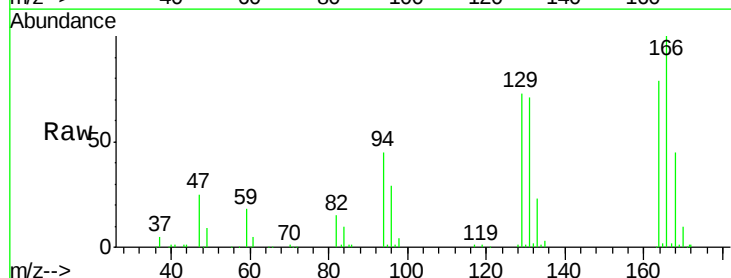
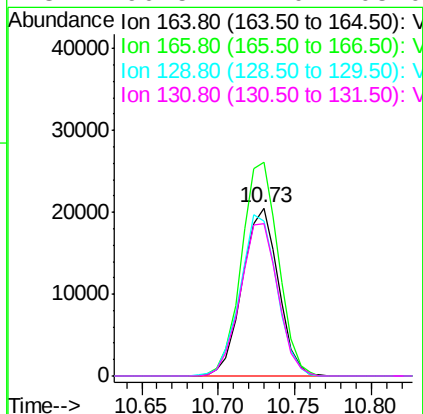
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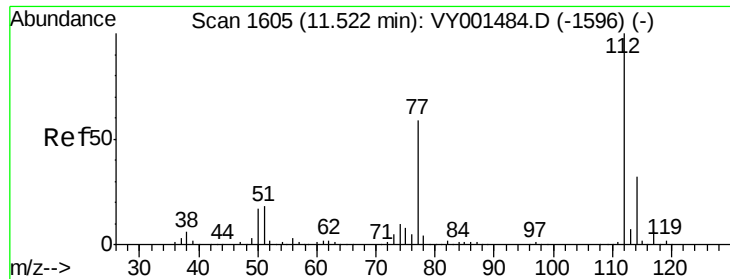
MMDadoda
2/13/2020 12:27:59 PM



#64
Tetrachloroethene
Concen: 17.051 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.8	151.2
129	92.1	77.8	116.6
131	90.5	72.0	108.0





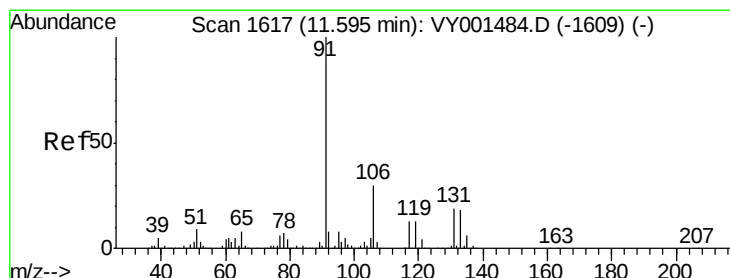
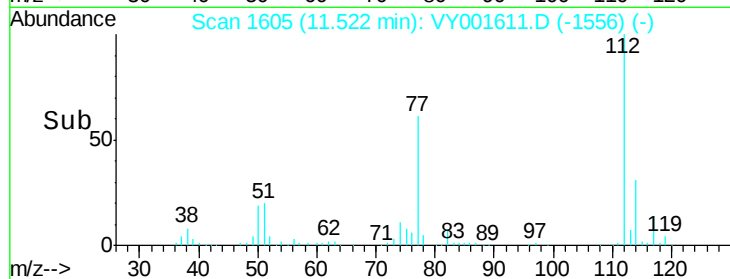
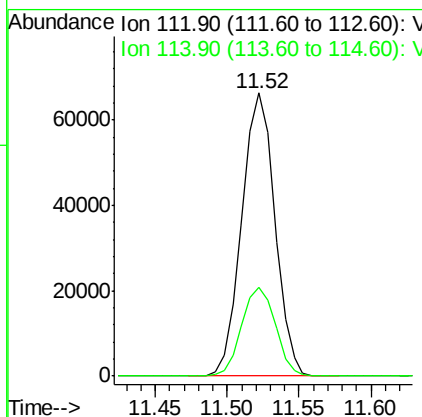
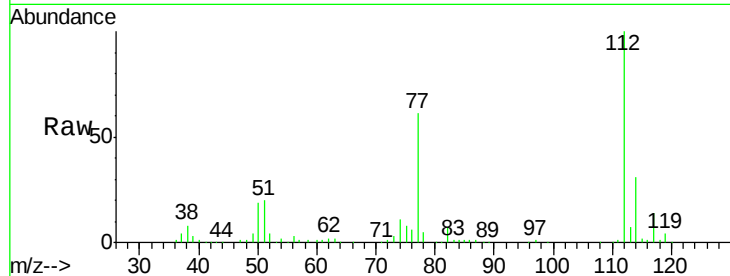
#65
Chlorobenzene
Concen: 17.896 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion:112 Resp: 105516
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2

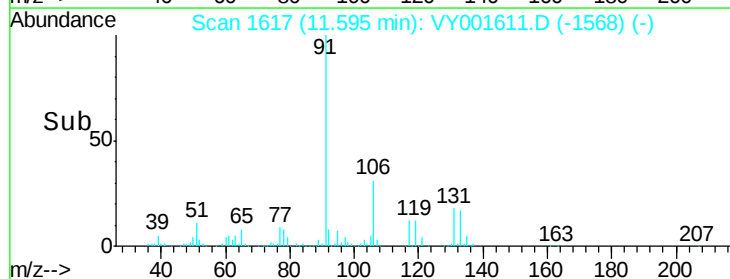
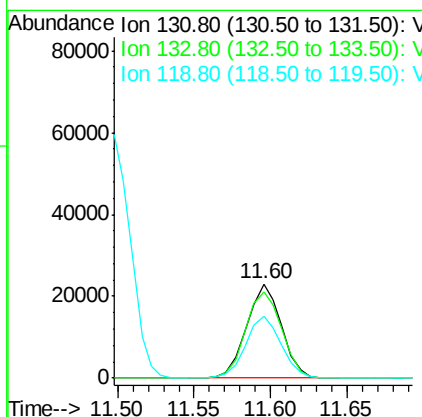
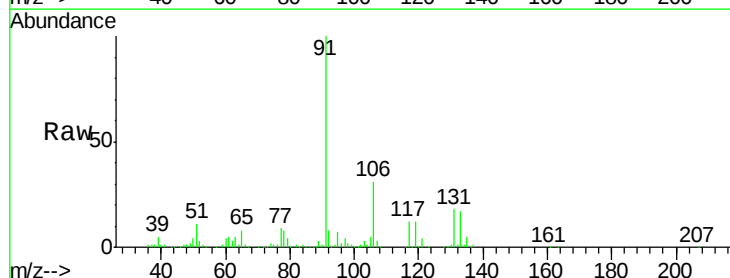
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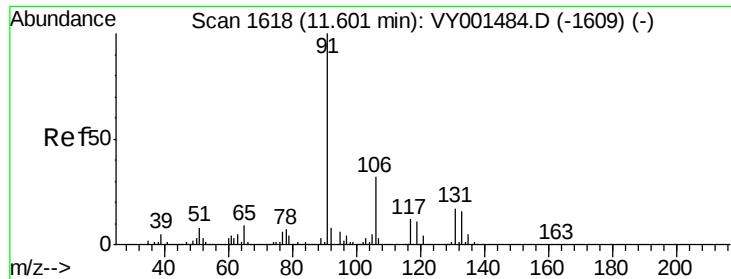
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.537 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion:131 Resp: 36188
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 66.8 33.7 101.0





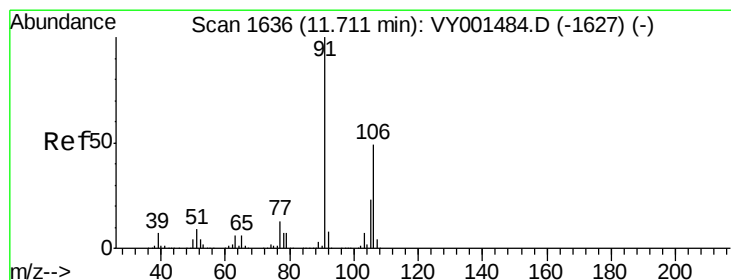
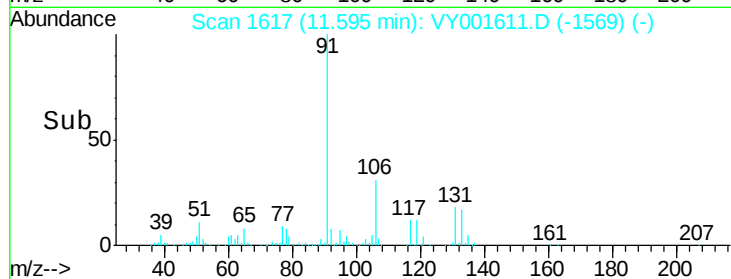
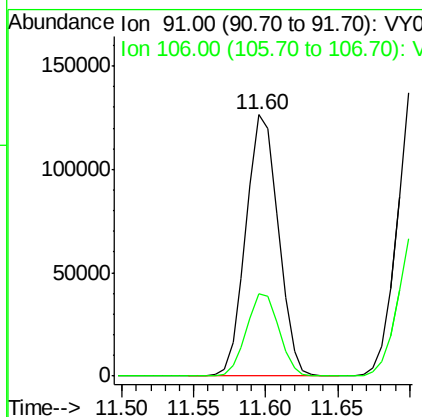
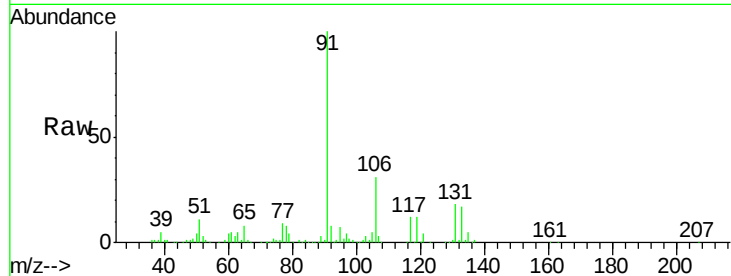
#67
Ethyl Benzene
Concen: 18.067 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 91 Resp: 196961
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

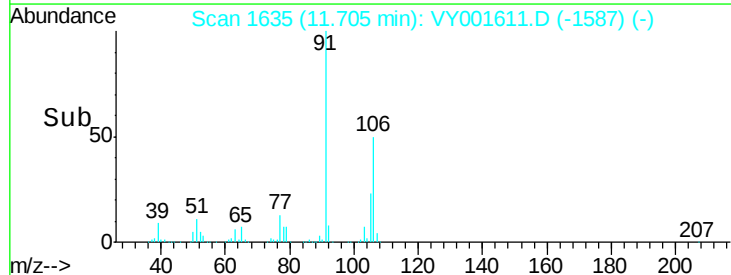
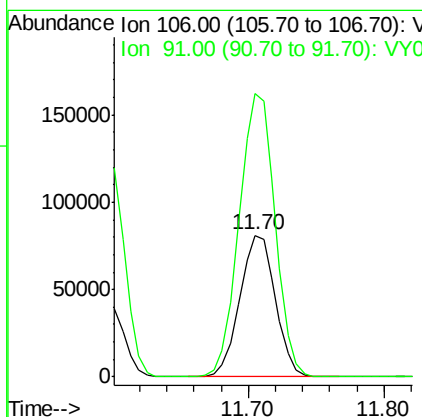
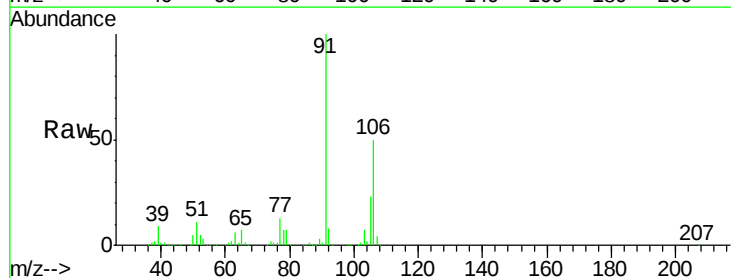
Manual Integrations
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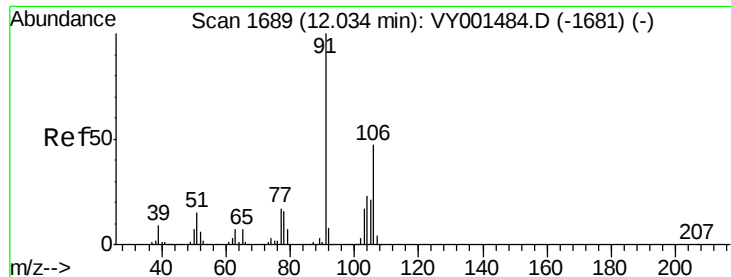
MMDadoda
2/13/2020 12:27:59 PM



#68
m/p-Xylenes
Concen: 36.040 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion: 106 Resp: 147494
Ion Ratio Lower Upper
106 100
91 202.0 163.6 245.4





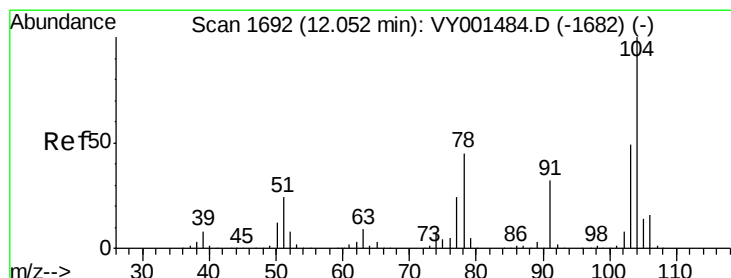
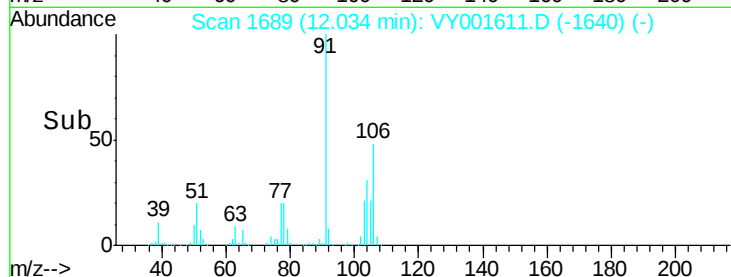
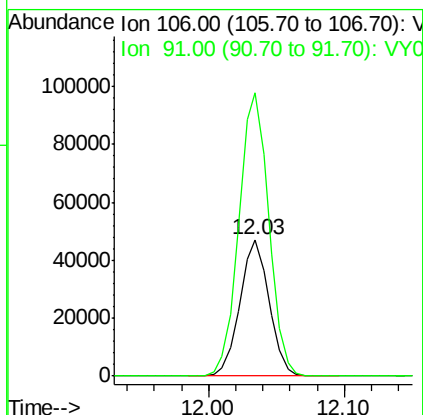
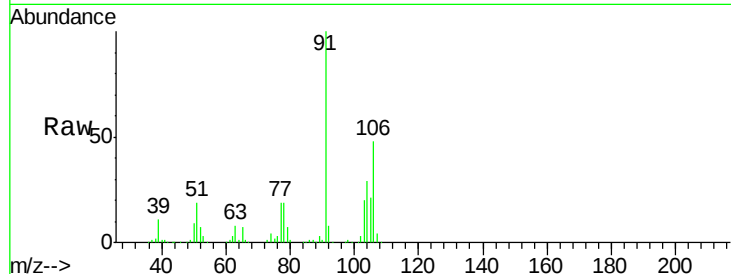
#69
o-Xylene
Concen: 18.259 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion:106 Resp: 70456
Ion Ratio Lower Upper
106 100
91 212.1 106.0 318.0

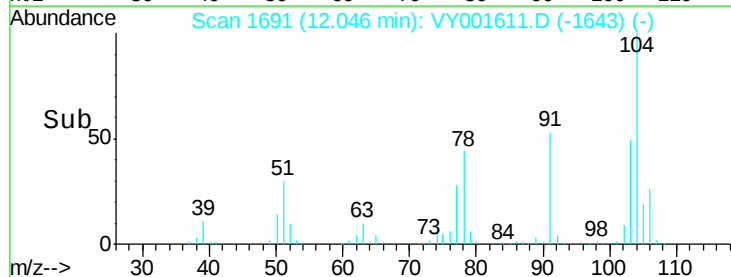
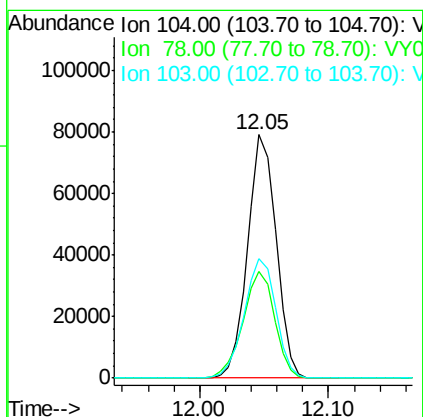
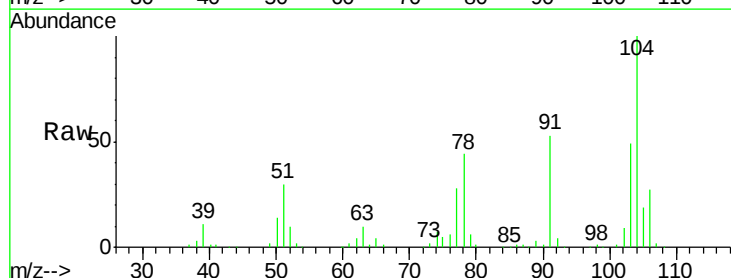
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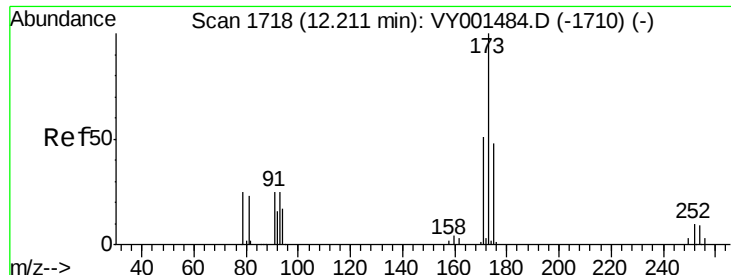
MMDadoda
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#70
Styrene
Concen: 18.108 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion:104 Resp: 120828
Ion Ratio Lower Upper
104 100
78 48.7 40.4 60.6
103 54.4 42.8 64.2





#71

Bromoform

Concen: 17.533 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion:173 Resp: 20146

Ion Ratio Lower Upper

173 100

175 49.2 24.0 72.0

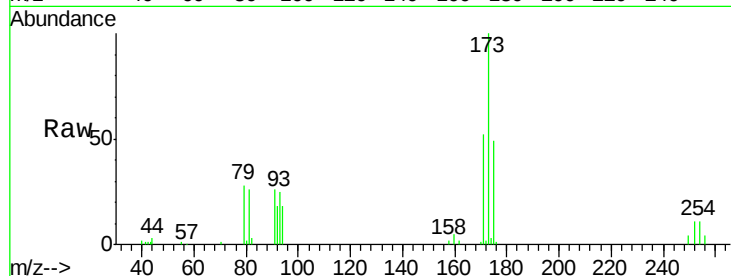
254 0.0 0.1 0.1#

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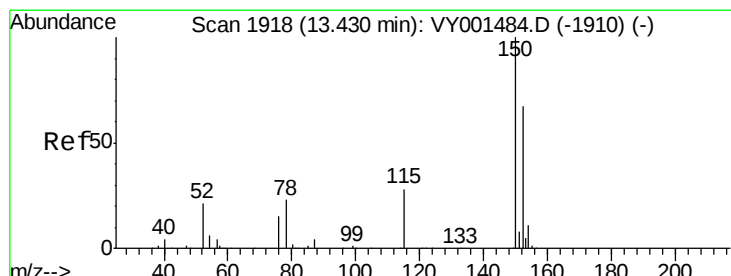
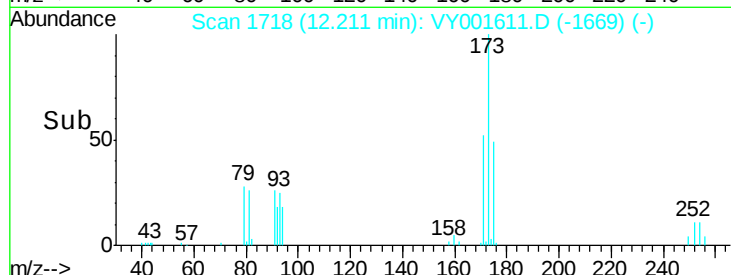
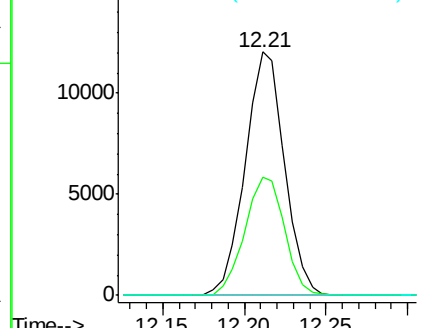
2/13/2020 12:27:59 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

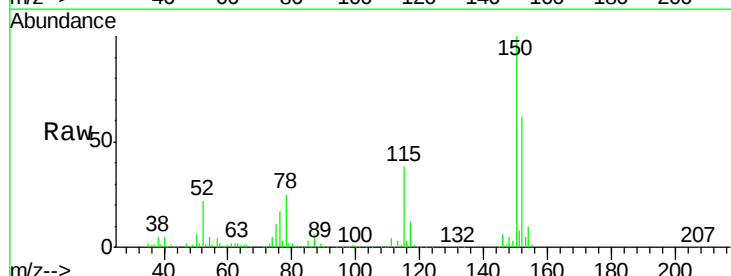
Tgt Ion:152 Resp: 141609

Ion Ratio Lower Upper

152 100

115 60.5 31.4 94.3

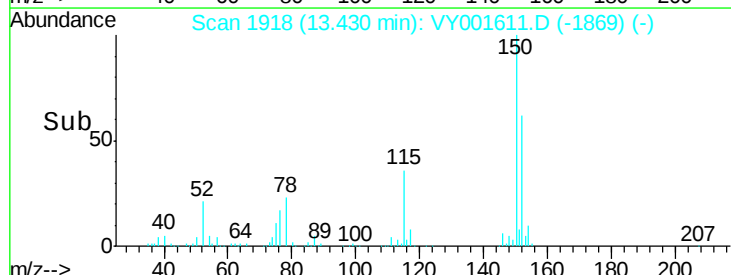
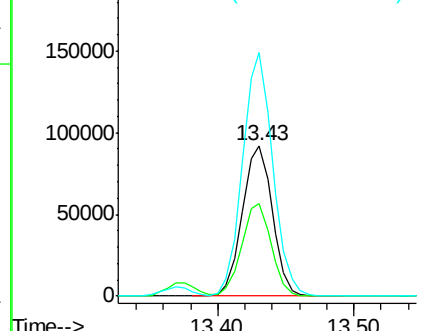
150 162.7 0.0 346.8

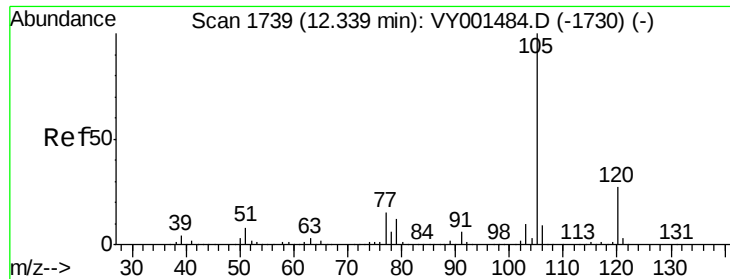


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.413 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 105 Resp: 188067

Ion Ratio Lower Upper

105 100

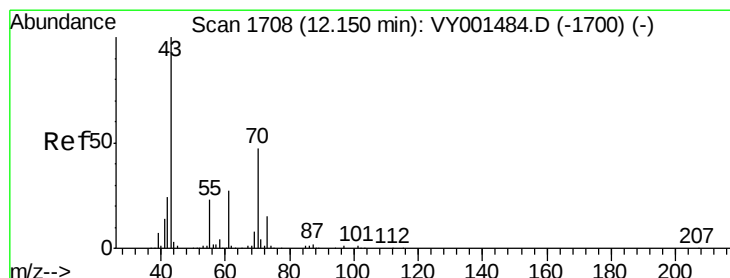
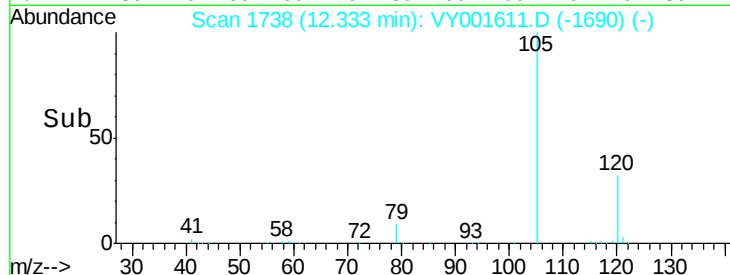
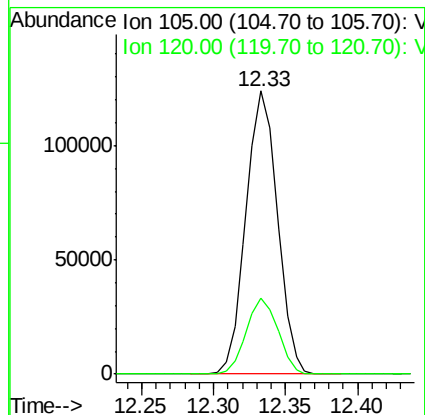
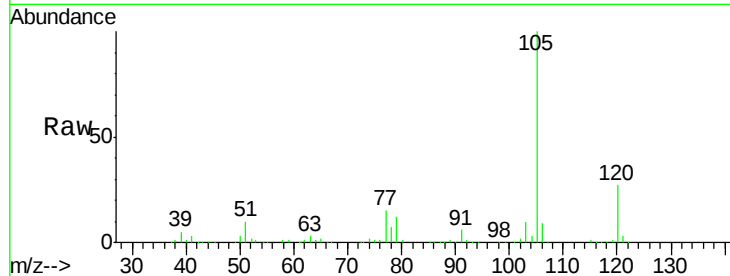
120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.246 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion: 43 Resp: 59627

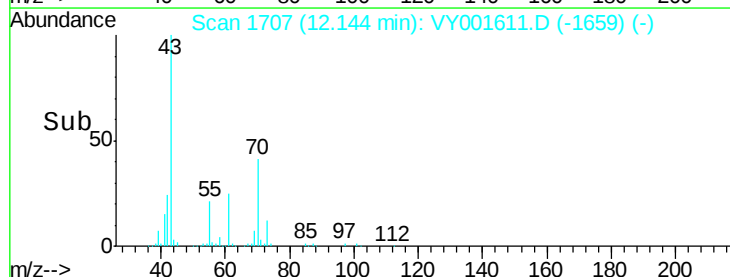
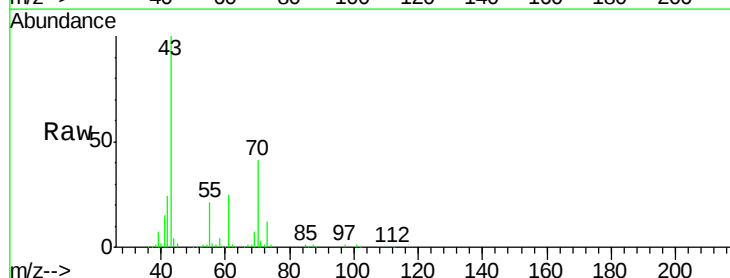
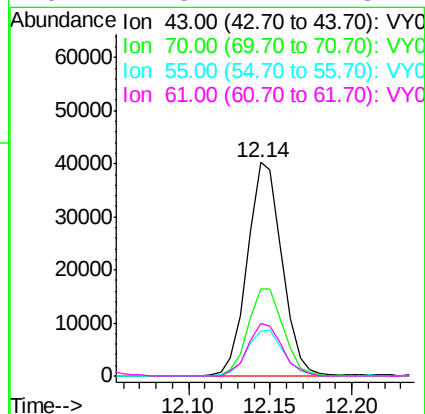
Ion Ratio Lower Upper

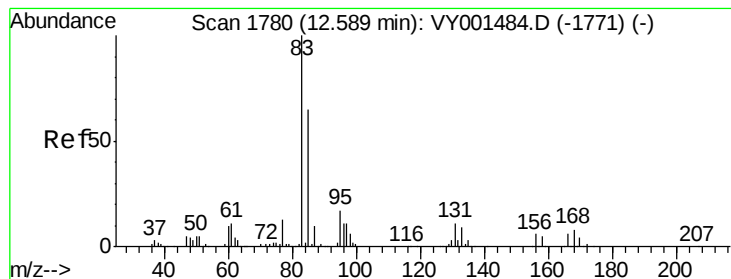
43 100

70 41.9 37.2 55.8

55 22.5 18.8 28.2

61 24.5 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.547 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

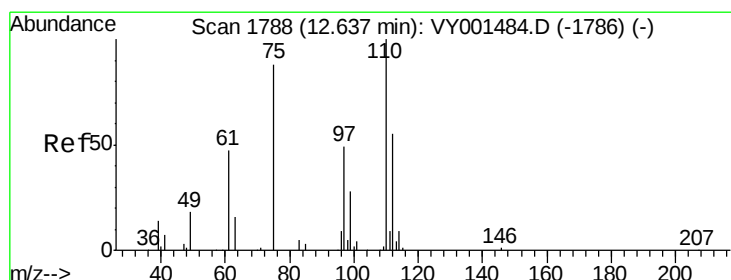
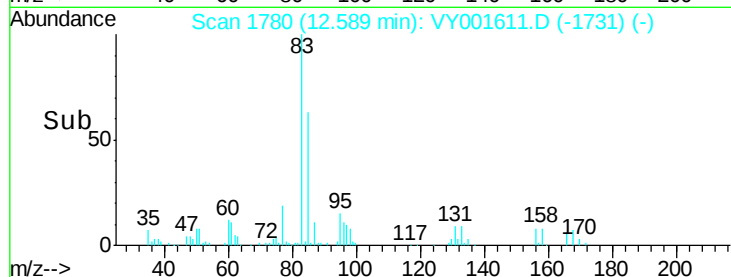
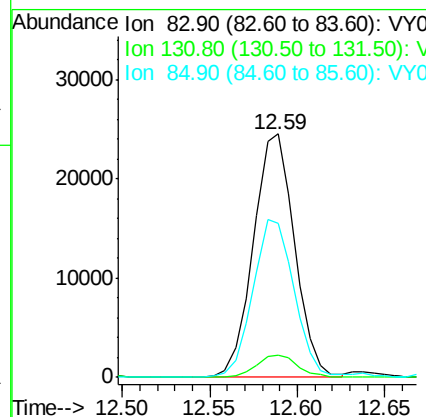
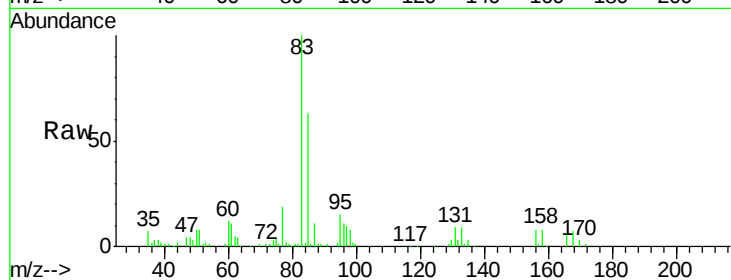
ClientSampleId :

VY0212SBS01

Tot Ion:	83	Resp:	40109
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.4	16.2
85	65.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.633 ug/l m

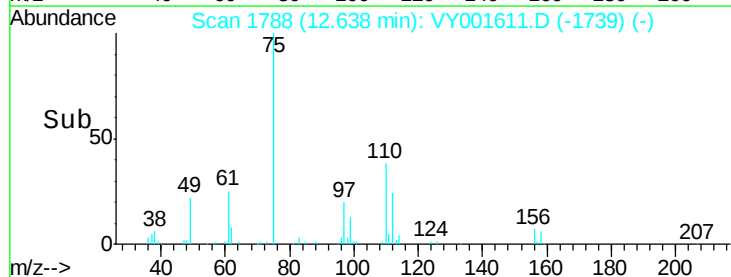
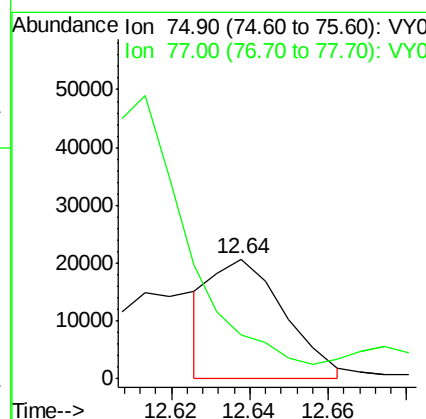
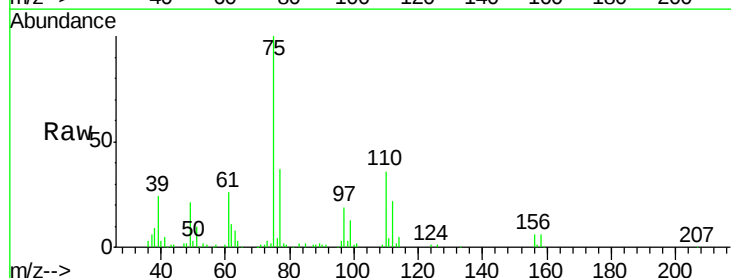
RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	75	Resp:	26853
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.689 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

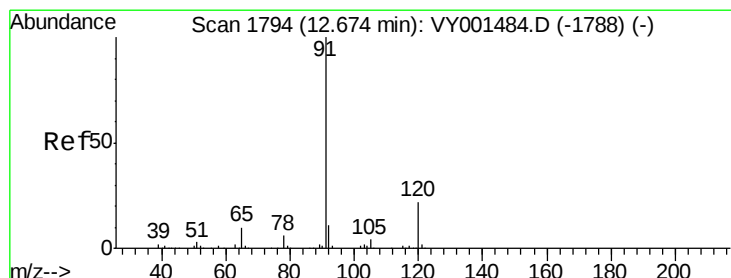
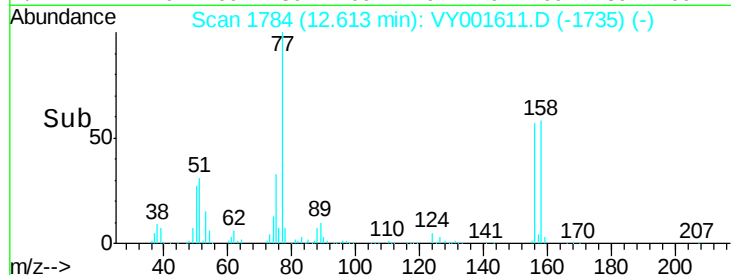
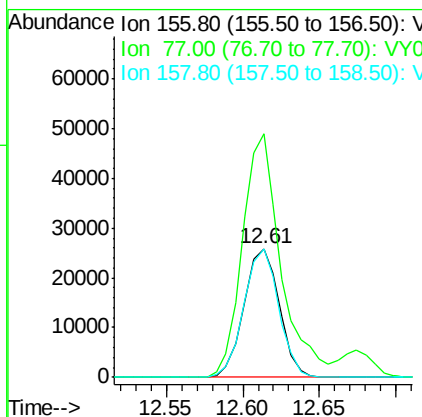
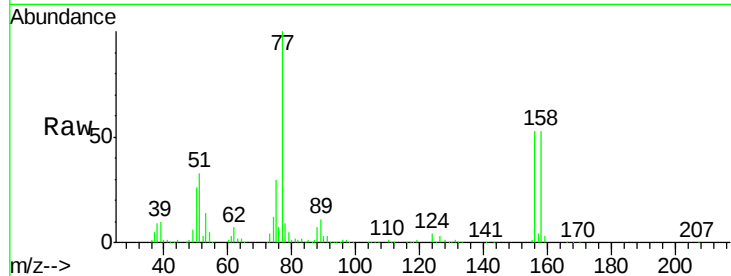
ClientSampleId :

VY0212SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.6	99.8	299.3
158	98.6	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 17.926 ug/l

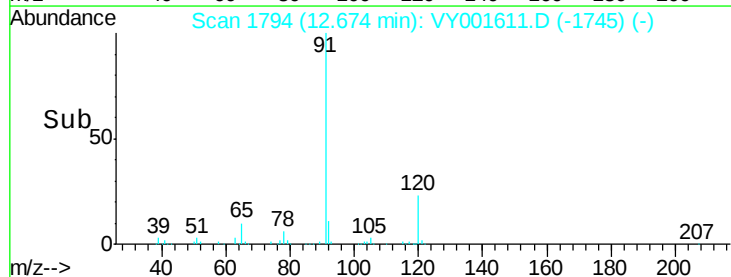
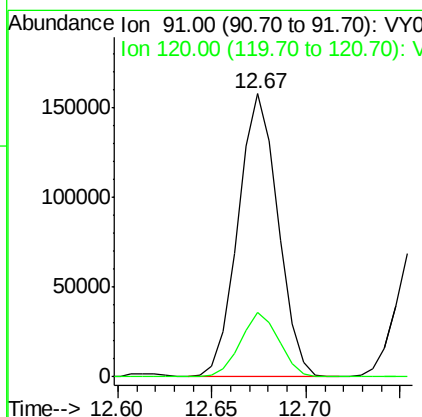
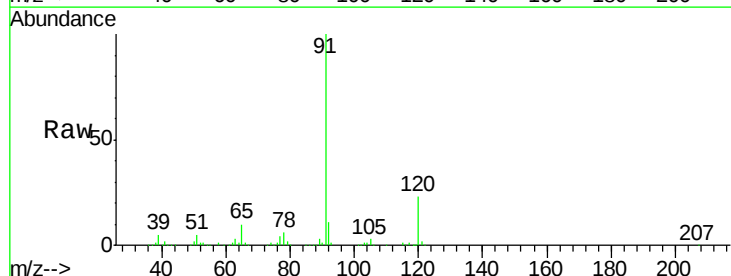
RT: 12.67 min Scan# 1794

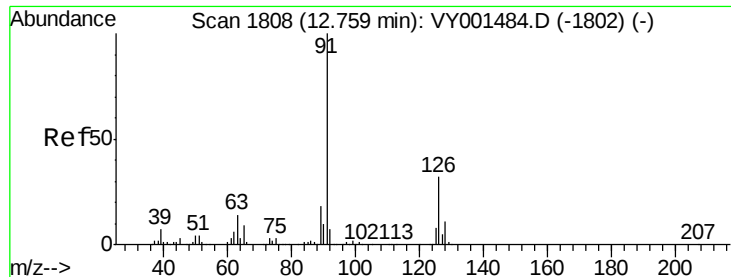
Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 17.285 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 91 Resp: 127395

Ion Ratio Lower Upper

91 100

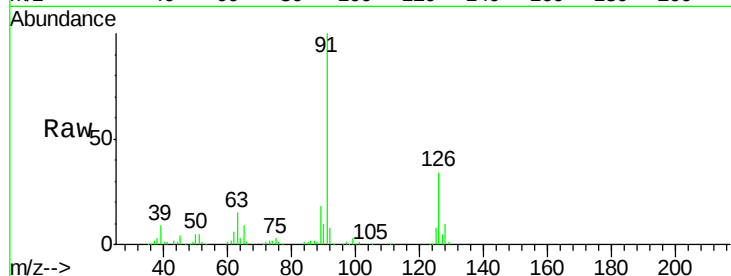
126 33.9 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001611.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001611.D (-1759) (-)

150000

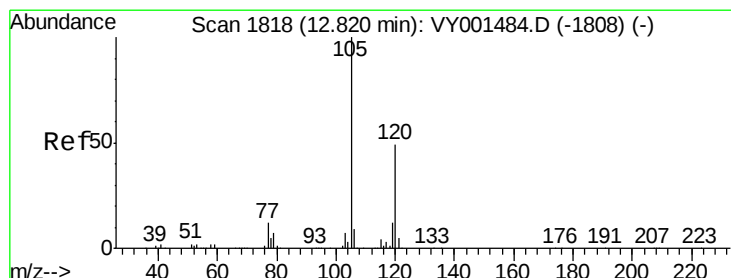
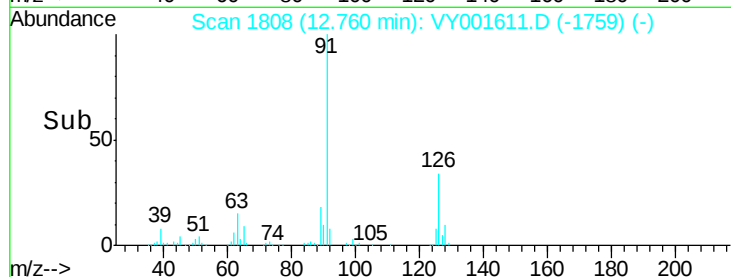
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.230 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001611.D

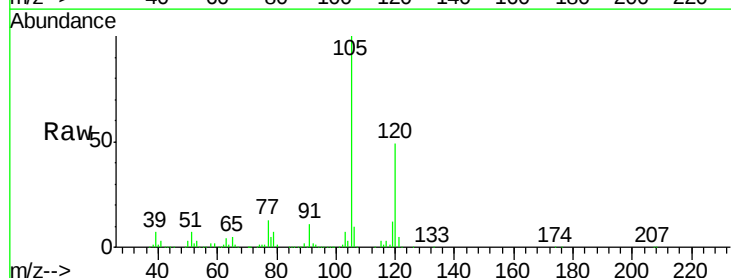
Acq: 12 Feb 2020 13:27

Tgt Ion: 105 Resp: 156714

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001611.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001611.D (-1769) (-)

120000

100000

80000

60000

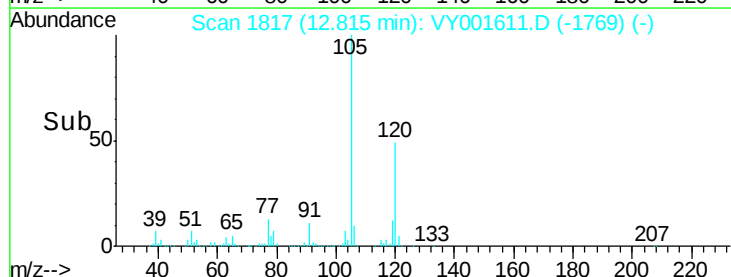
40000

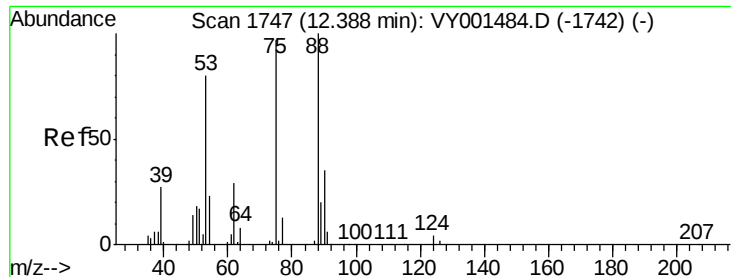
20000

0

12.80 12.81 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.266 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBSD01

Tot Ion: 75 Resp: 14376

Ion Ratio Lower Upper

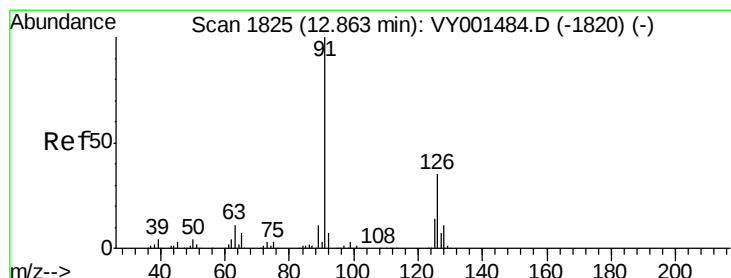
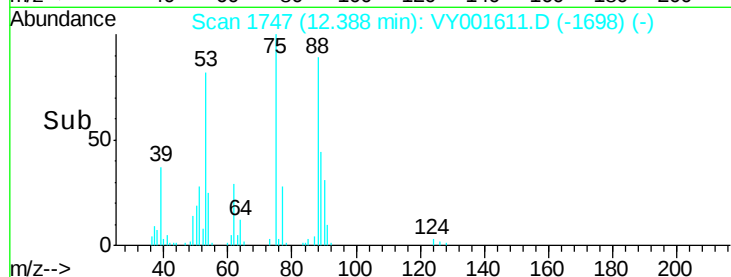
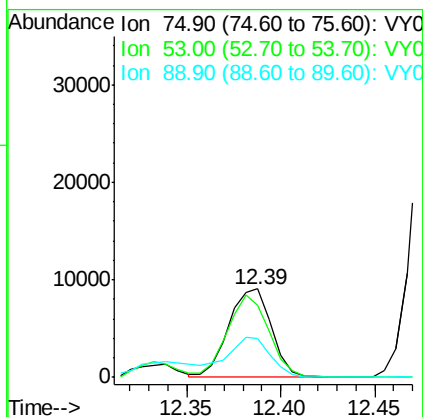
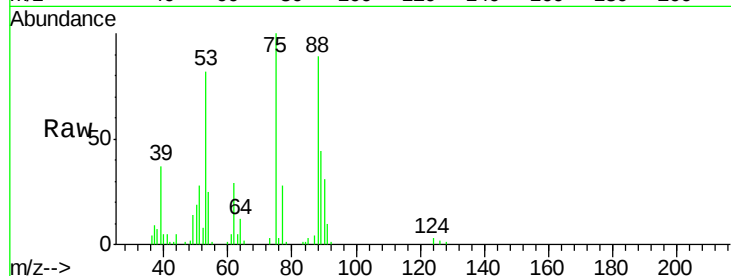
75 100

53 90.5 67.7 101.5

89 46.5 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.363 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001611.D

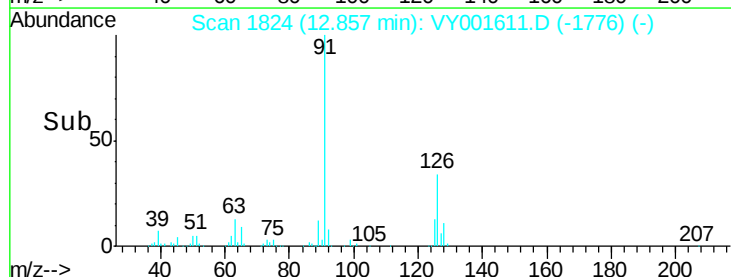
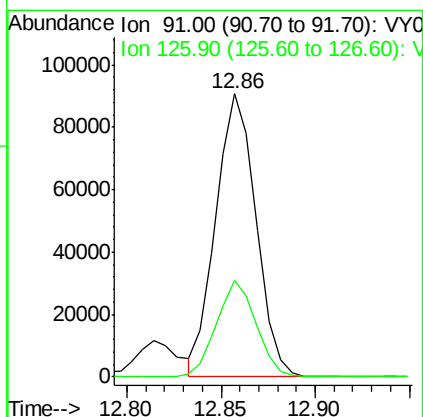
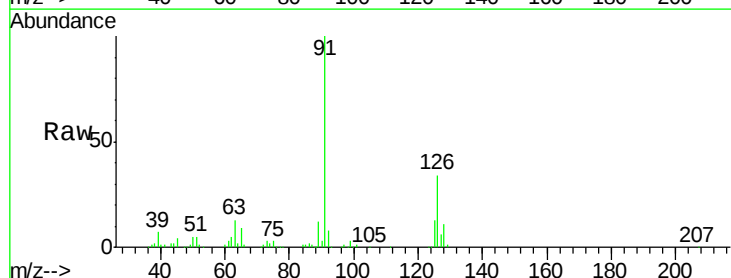
Acq: 12 Feb 2020 13:27

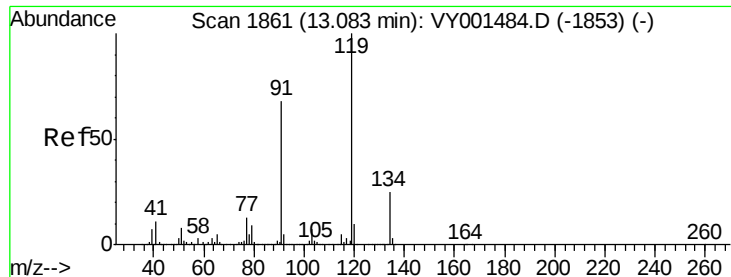
Tgt Ion: 91 Resp: 134168

Ion Ratio Lower Upper

91 100

126 33.6 16.5 49.5





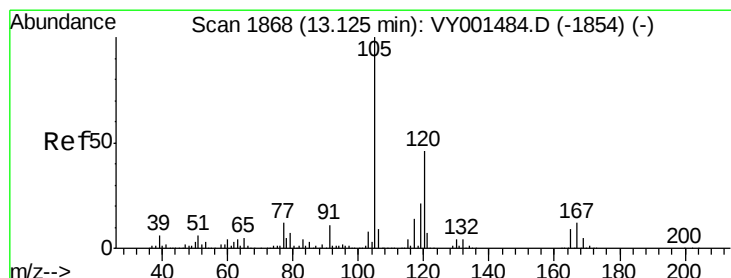
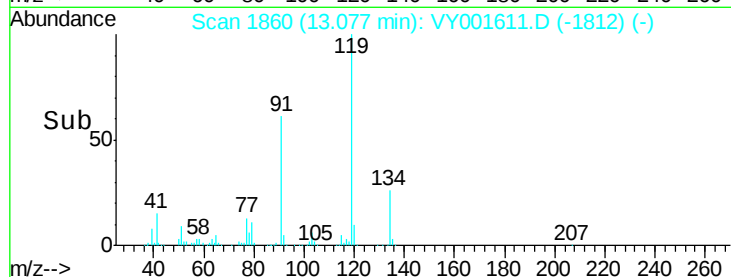
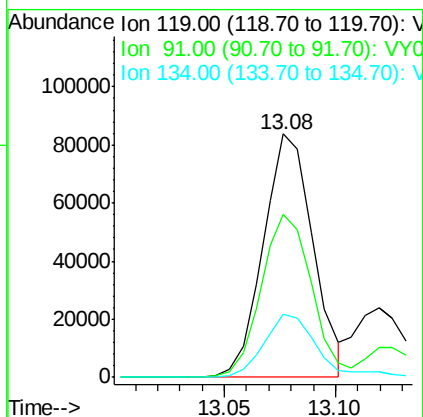
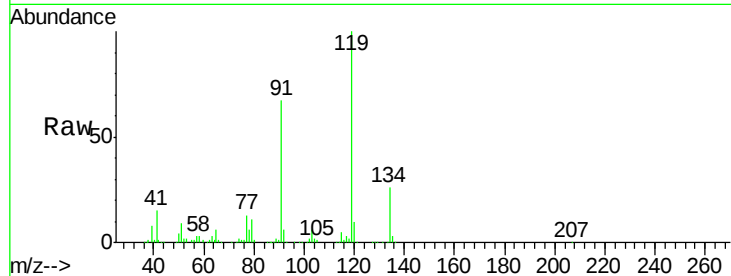
#83
tert-Butylbenzene
Concen: 16.880 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129778		
91	68.1		33.1	99.3
134	27.9		13.0	39.0

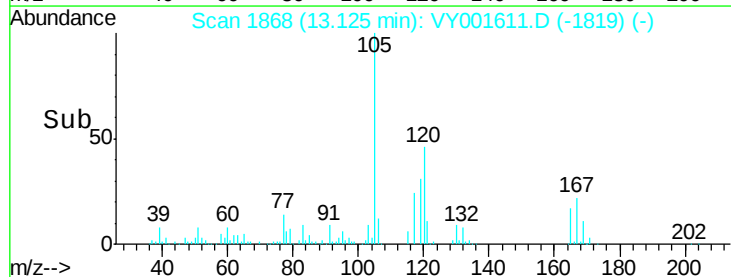
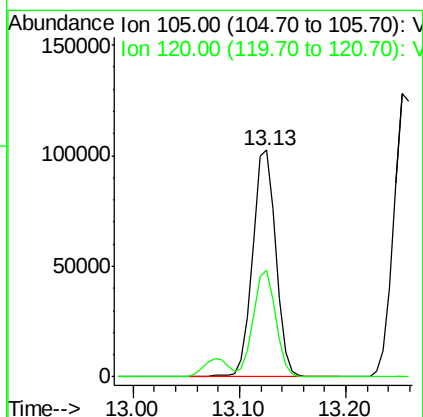
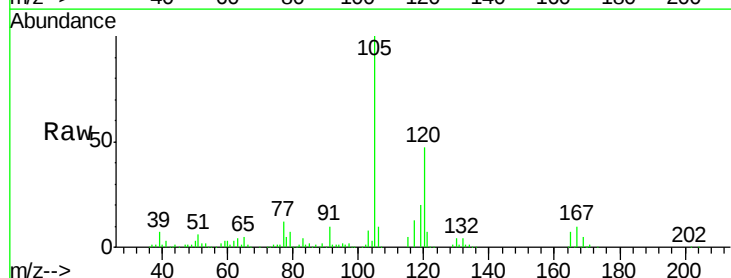
Manual Integrations
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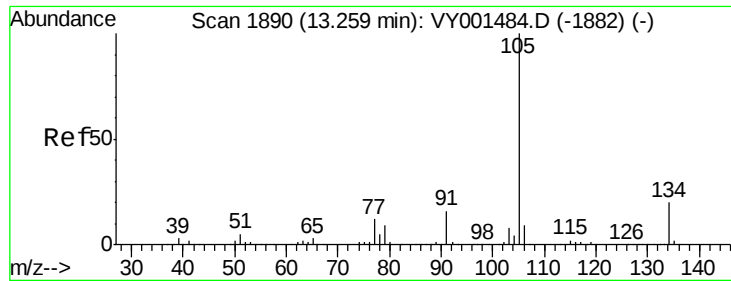
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 17.411 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	156741		
120	45.8		22.4	67.0





#85

sec-Butylbenzene

Concen: 18.064 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion:105 Resp: 195265

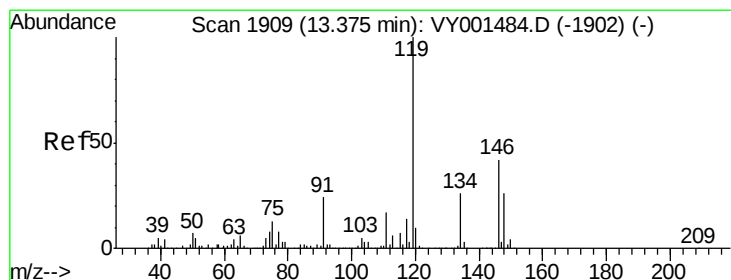
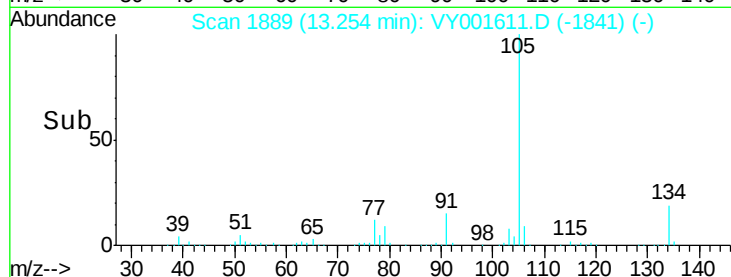
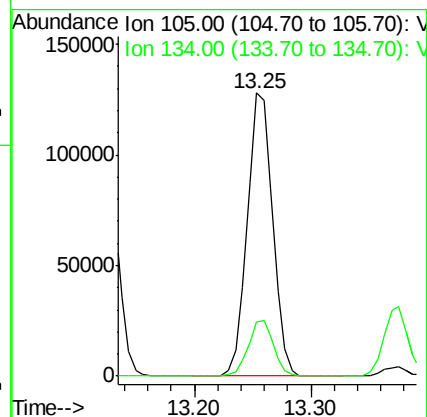
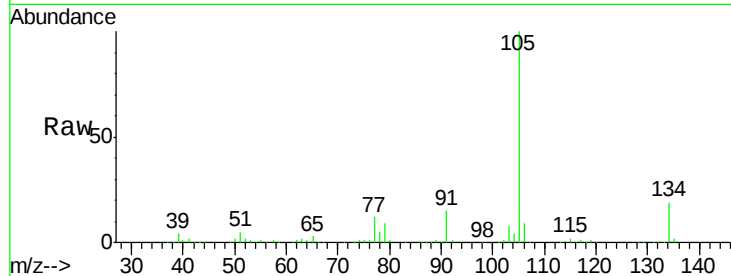
Ion Ratio Lower Upper

105 100

134 19.6 10.0 29.8

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 17.758 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

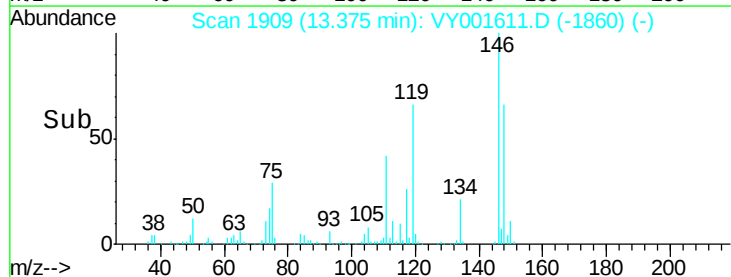
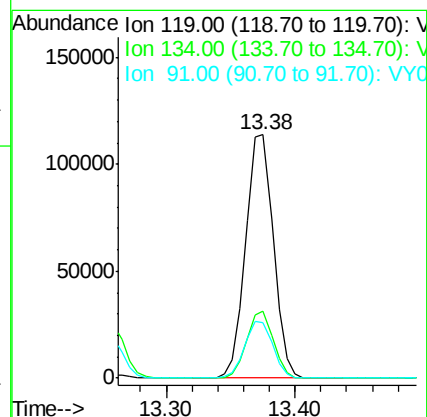
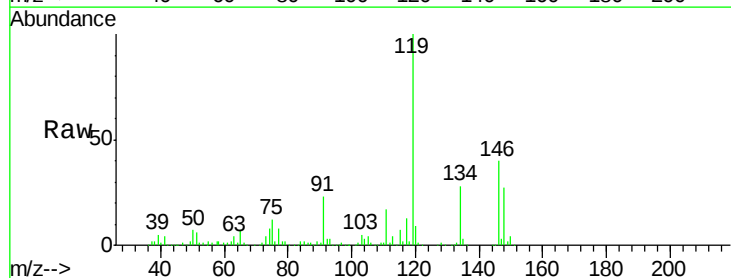
Tgt Ion:119 Resp: 169160

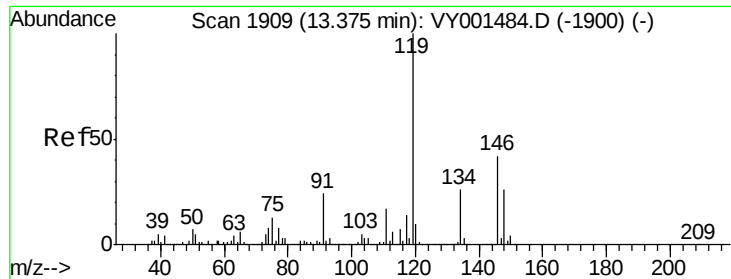
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.8 12.2 36.6





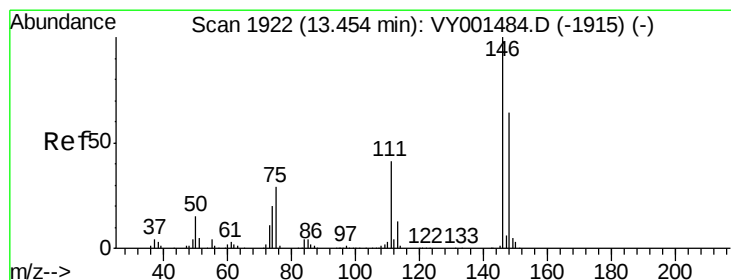
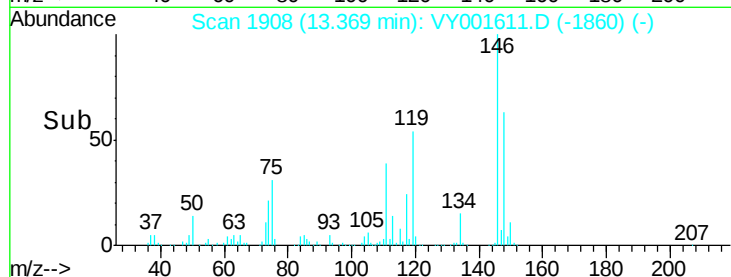
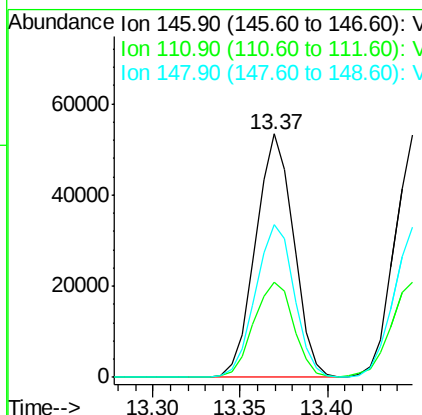
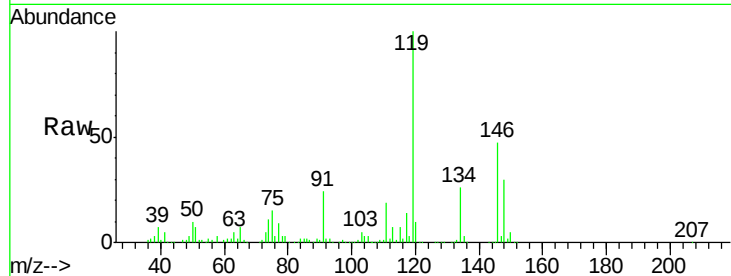
#87
1,3-Dichlorobenzene
Concen: 18.030 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.9
148	63.8	31.9	95.7

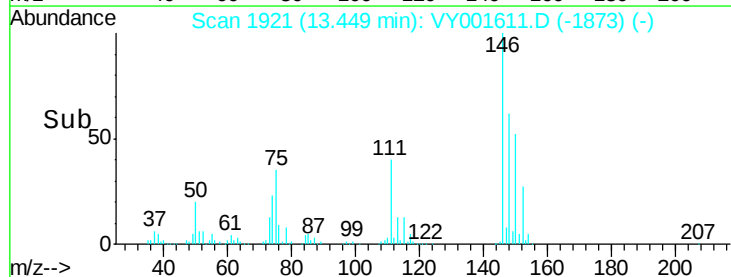
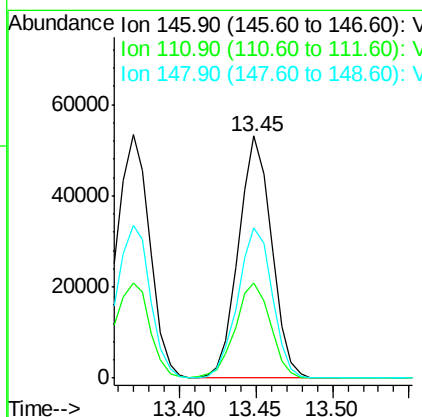
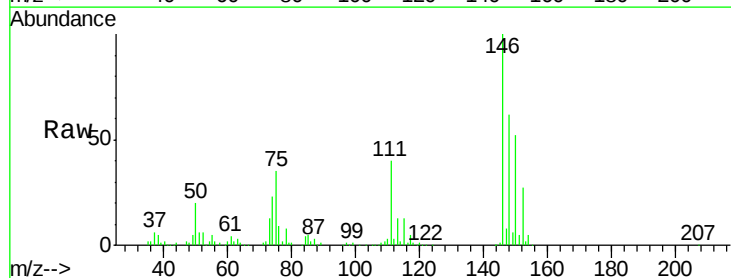
Manual Integrations
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#88
1,4-Dichlorobenzene
Concen: 17.817 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	64.4	32.1	96.5





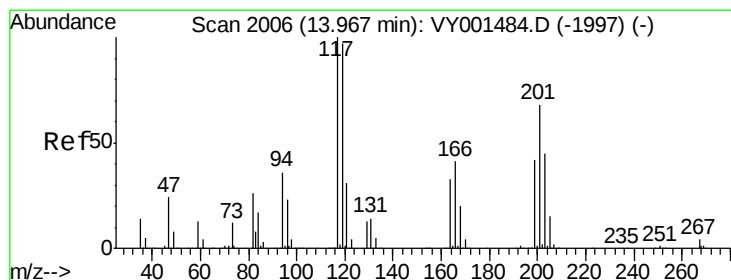
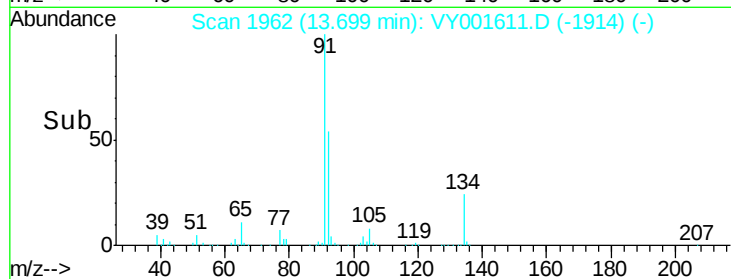
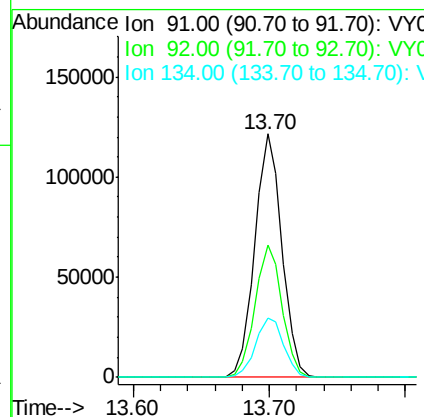
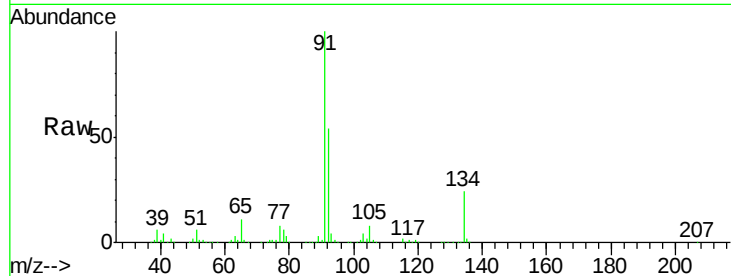
#89
n-Butylbenzene
Concen: 18.123 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.4	13.0	38.9

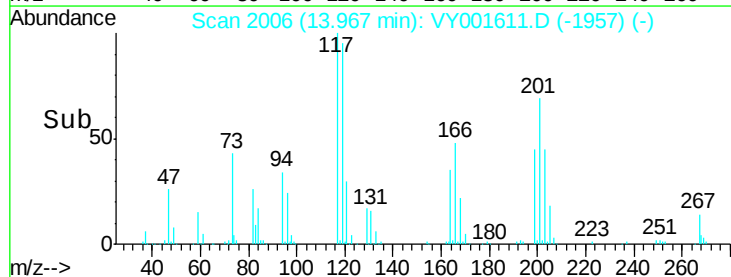
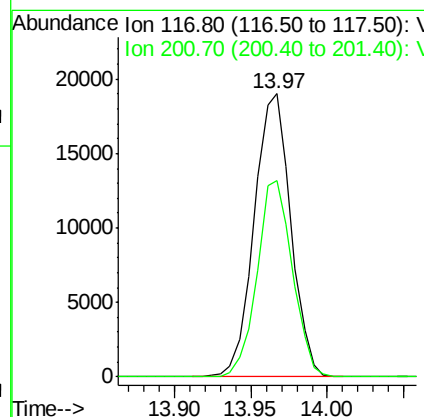
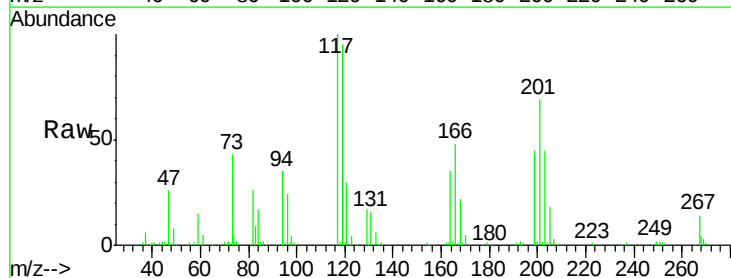
Manual Integrations
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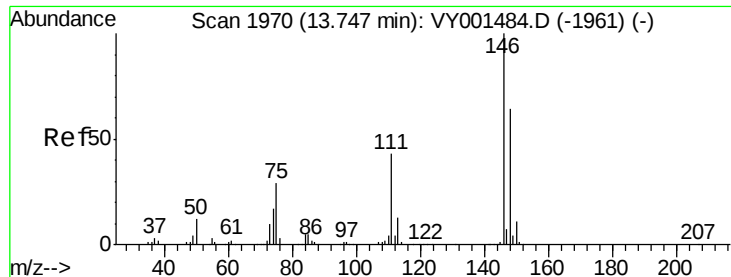
MMDadoda
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#90
Hexachloroethane
Concen: 17.298 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 18.020 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Instrument :

MSVOA_Y

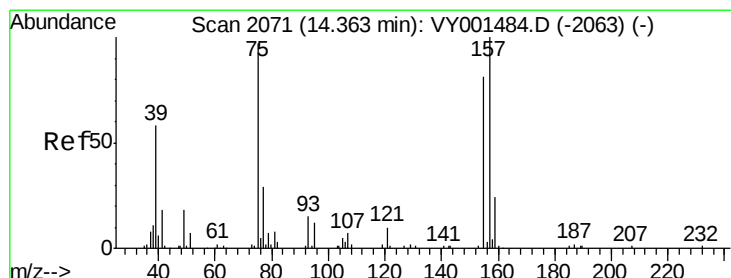
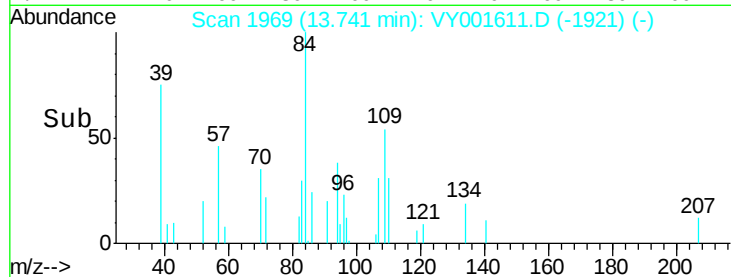
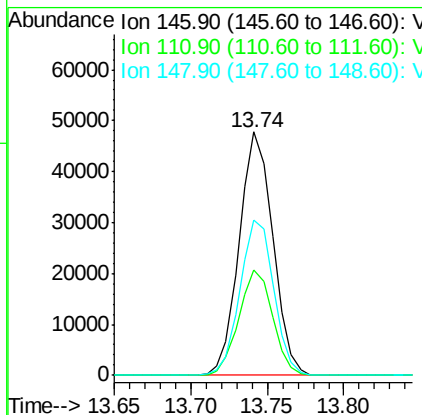
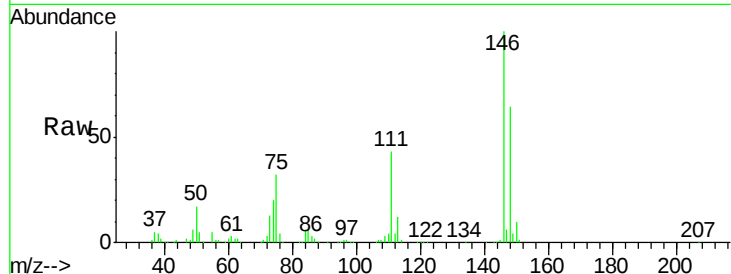
ClientSampleId :

VY0212SBS01

Tot Ion:	146	Resp:	73146
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.9	65.8
148	63.9	31.8	95.3

Manual Integrations
APPROVED

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2/13/2020 12:27:59 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.536 ug/l

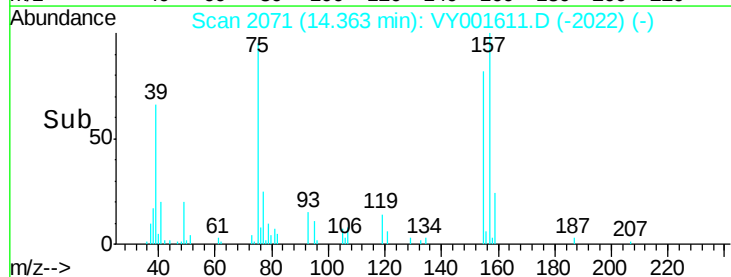
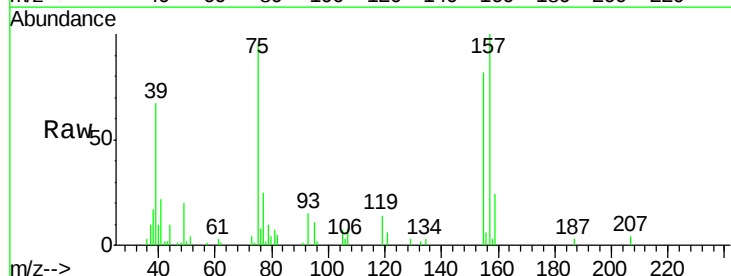
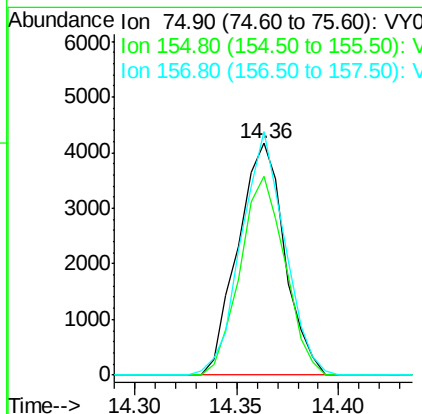
RT: 14.36 min Scan# 2071

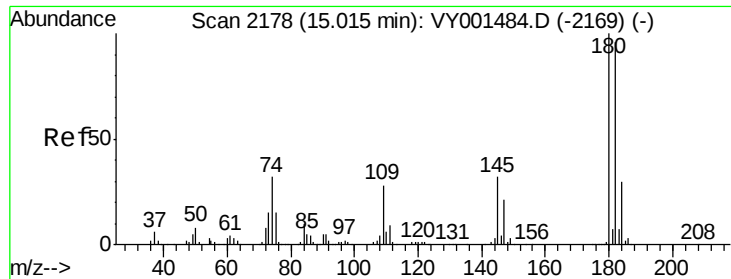
Delta R.T. 0.00 min

Lab File: VY001611.D

Acq: 12 Feb 2020 13:27

Tgt Ion:	75	Resp:	6643
Ion Ratio	Lower	Upper	
75	100		
155	81.9	40.7	122.1
157	98.2	52.3	157.1





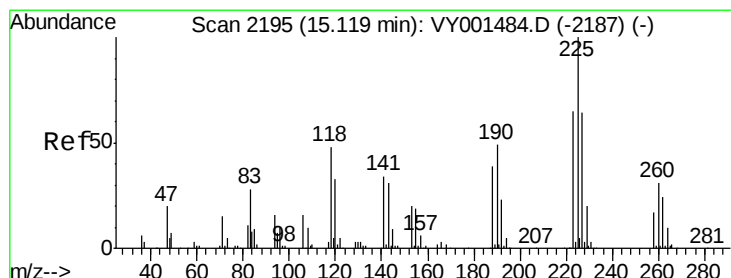
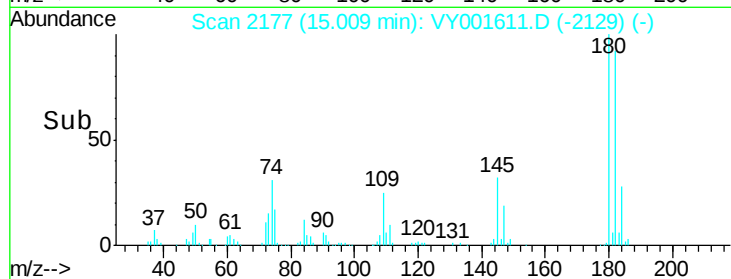
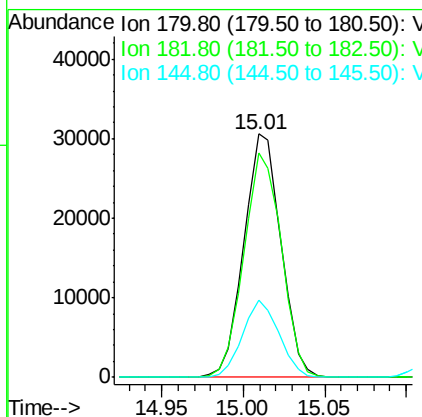
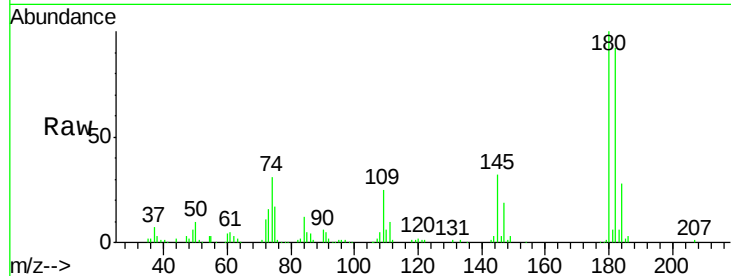
#93
1,2,4-Trichlorobenzene
Concen: 17.742 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.7
145	31.3	16.8	50.3

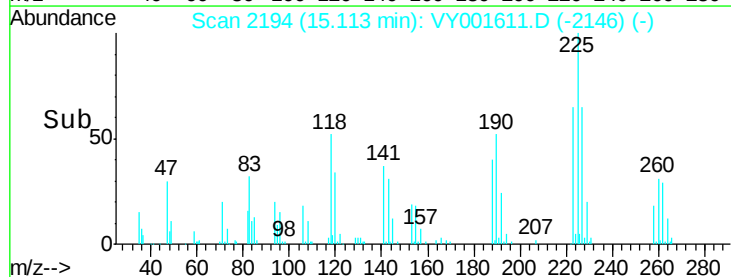
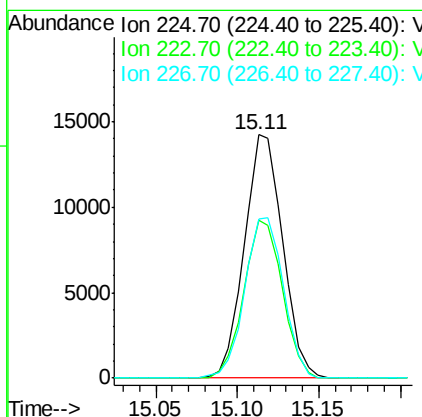
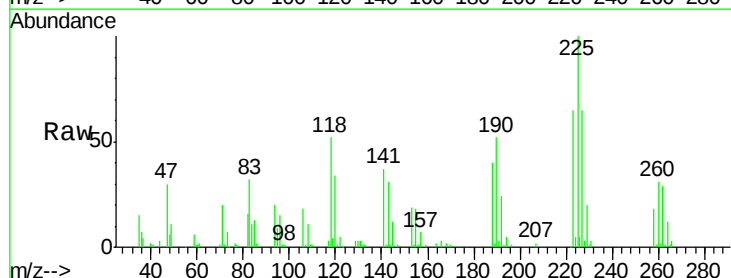
Manual Integrations
APPROVED

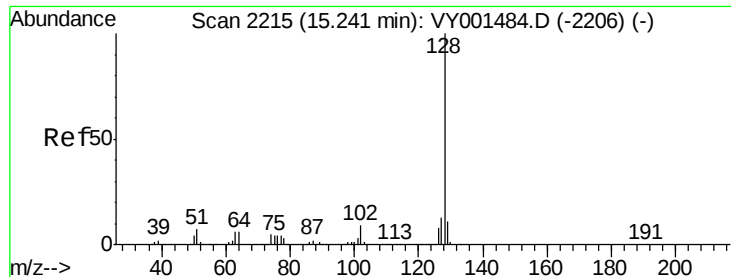
MMDadoda
2/13/2020 12:27:59 PM



#94
Hexachlorobutadiene
Concen: 16.717 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.9	95.7
227	66.6	32.6	97.7





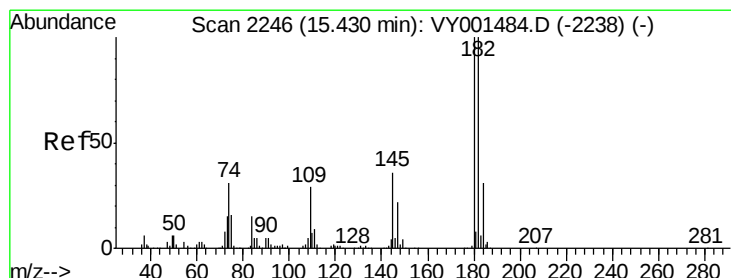
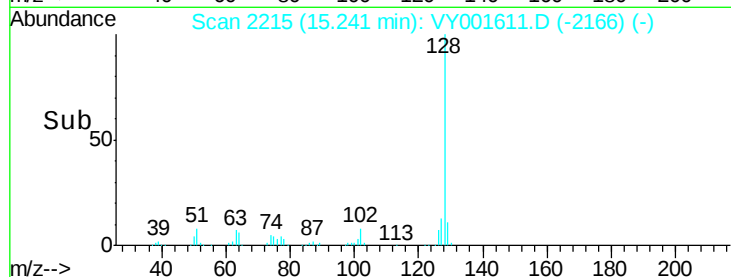
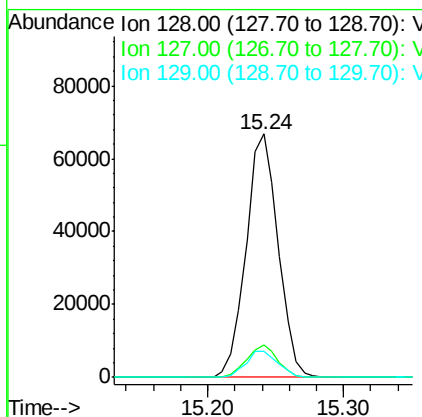
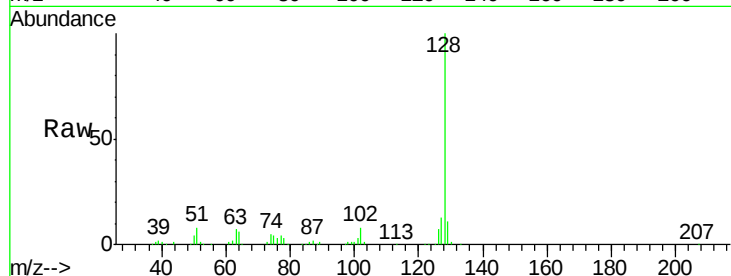
#95
Naphthalene
Concen: 17.132 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/13/2020 12:27:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.760 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001611.D
Acq: 12 Feb 2020 13:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	31.5	17.8	53.5

