

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001487.D
 Acq On : 04 Feb 2020 15:19
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY020420

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:52 PM

Quant Time: Feb 04 15:55:48 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	7.80	168	232854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	404224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	165577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	132905	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	7.74	113	127320	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
50) Toluene-d8	10.19	98	505814	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
62) 4-Bromofluorobenzene	12.49	95	188507	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	119537	52.443	ug/l	95
3) Chloromethane	2.13	50	119803	50.289	ug/l	96
4) Vinyl Chloride	2.26	62	127650	51.604	ug/l	100
5) Bromomethane	2.66	94	81264	52.237	ug/l	98
6) Chloroethane	2.81	64	75036	50.324	ug/l	99
7) Trichlorofluoromethane	3.15	101	204875	50.036	ug/l	100
8) Diethyl Ether	3.55	74	69838	50.544	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	123746	50.229	ug/l	100
10) Methyl Iodide	4.11	142	159266	50.736	ug/l	100
11) Tert butyl alcohol	4.98	59	63651	240.086	ug/l	98
12) 1,1-Dichloroethene	3.90	96	122863	50.186	ug/l	97
13) Acrolein	3.75	56	59056	266.021	ug/l	100
14) Allyl chloride	4.50	41	189404	50.574	ug/l	99
15) Acrylonitrile	5.19	53	166924	263.525	ug/l	100
16) Acetone	3.97	43	178443	263.123	ug/l	99
17) Carbon Disulfide	4.22	76	397746	51.035	ug/l	99
18) Methyl Acetate	4.50	43	73771	50.975	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	334713	51.411	ug/l	99
20) Methylene Chloride	4.74	84	134549	50.739	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	136901	50.302	ug/l	98
22) Diisopropyl ether	6.14	45	377602	50.891	ug/l	99
23) Vinyl Acetate	6.08	43	1249830	264.603	ug/l	100
24) 1,1-Dichloroethane	6.04	63	222414	49.835	ug/l	99
25) 2-Butanone	7.01	43	233960	265.917	ug/l	98
26) 2,2-Dichloropropane	7.00	77	212111	49.659	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	148175	49.847	ug/l	99
28) Bromochloromethane	7.35	49	88840	58.433	ug/l	98
29) Tetrahydrofuran	7.36	42	140736	266.879	ug/l	99
30) Chloroform	7.52	83	224214	49.597	ug/l	100
31) Cyclohexane	7.80	56	221262	48.466	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	208911	50.970	ug/l	99
36) 1,1-Dichloropropene	7.93	75	187731	50.767	ug/l	99
37) Ethyl Acetate	7.10	43	97566	54.502	ug/l	98
38) Carbon Tetrachloride	7.91	117	184379	51.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	249699	51.283	ug/l	99
40) Benzene	8.17	78	527988	50.058	ug/l	98
41) Methacrylonitrile	7.33	41	42519m	51.248	ug/l	
42) 1,2-Dichloroethane	8.25	62	150383	51.176	ug/l	99
43) Isopropyl Acetate	8.28	43	188380	53.149	ug/l	99
44) Trichloroethene	8.95	130	143649	50.526	ug/l	96
45) 1,2-Dichloropropane	9.22	63	127431	50.032	ug/l	100
46) Dibromomethane	9.31	93	74142	51.841	ug/l	99
47) Bromodichloromethane	9.50	83	179065	51.386	ug/l	99
48) Methyl methacrylate	9.30	41	85298	53.024	ug/l	99
49) 1,4-Dioxane	9.30	88	18648	987.301	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	472435	270.659	ug/l	98
52) Toluene	10.25	92	337182	50.382	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	195268	51.448	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	221890	50.923	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	105298	51.316	ug/l	99
56) Ethyl methacrylate	10.52	69	155717	53.354	ug/l	98
57) 1,3-Dichloropropane	10.80	76	181868	50.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	287470	267.744	ug/l	99
59) 2-Hexanone	10.83	43	352146	277.470	ug/l	99
60) Dibromochloromethane	10.99	129	126620	52.349	ug/l	99
61) 1,2-Dibromoethane	11.10	107	105186	52.044	ug/l	98
64) Tetrachloroethene	10.72	164	113398	48.253	ug/l	97
65) Chlorobenzene	11.52	112	352397	50.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	123943	50.331	ug/l	100
67) Ethyl Benzene	11.60	91	649782	49.947	ug/l	99
68) m/p-Xylenes	11.70	106	486007	99.514	ug/l	100
69) o-Xylene	12.03	106	229377	49.813	ug/l	98
70) Styrene	12.05	104	399644	50.188	ug/l	99
71) Bromoform	12.21	173	73887	53.884	ug/l #	100
73) Isopropylbenzene	12.33	105	627592	49.697	ug/l	100
74) N-amyl acetate	12.14	43	176652	53.833	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	127235	53.031	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	87929m	49.381	ug/l	
77) Bromobenzene	12.61	156	137164	50.190	ug/l	97
78) n-propylbenzene	12.67	91	754955	49.937	ug/l	100
79) 2-Chlorotoluene	12.76	91	428462	49.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	531676	49.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49376	53.656	ug/l #	80
82) 4-Chlorotoluene	12.86	91	447894	49.572	ug/l	100
83) tert-Butylbenzene	13.08	119	460436	51.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	523320	49.717	ug/l	100
85) sec-Butylbenzene	13.26	105	632206	50.020	ug/l	100
86) p-Isopropyltoluene	13.38	119	554529	49.787	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	257136	49.096	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	262708	50.068	ug/l	99
89) n-Butylbenzene	13.70	91	552359	50.262	ug/l	100
90) Hexachloroethane	13.97	117	107238	50.164	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	239389	50.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22700	51.250	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	162999	50.961	ug/l	100
94) Hexachlorobutadiene	15.12	225	81883	50.442	ug/l	97
95) Naphthalene	15.24	128	389319	51.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	145691	51.602	ug/l	99

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

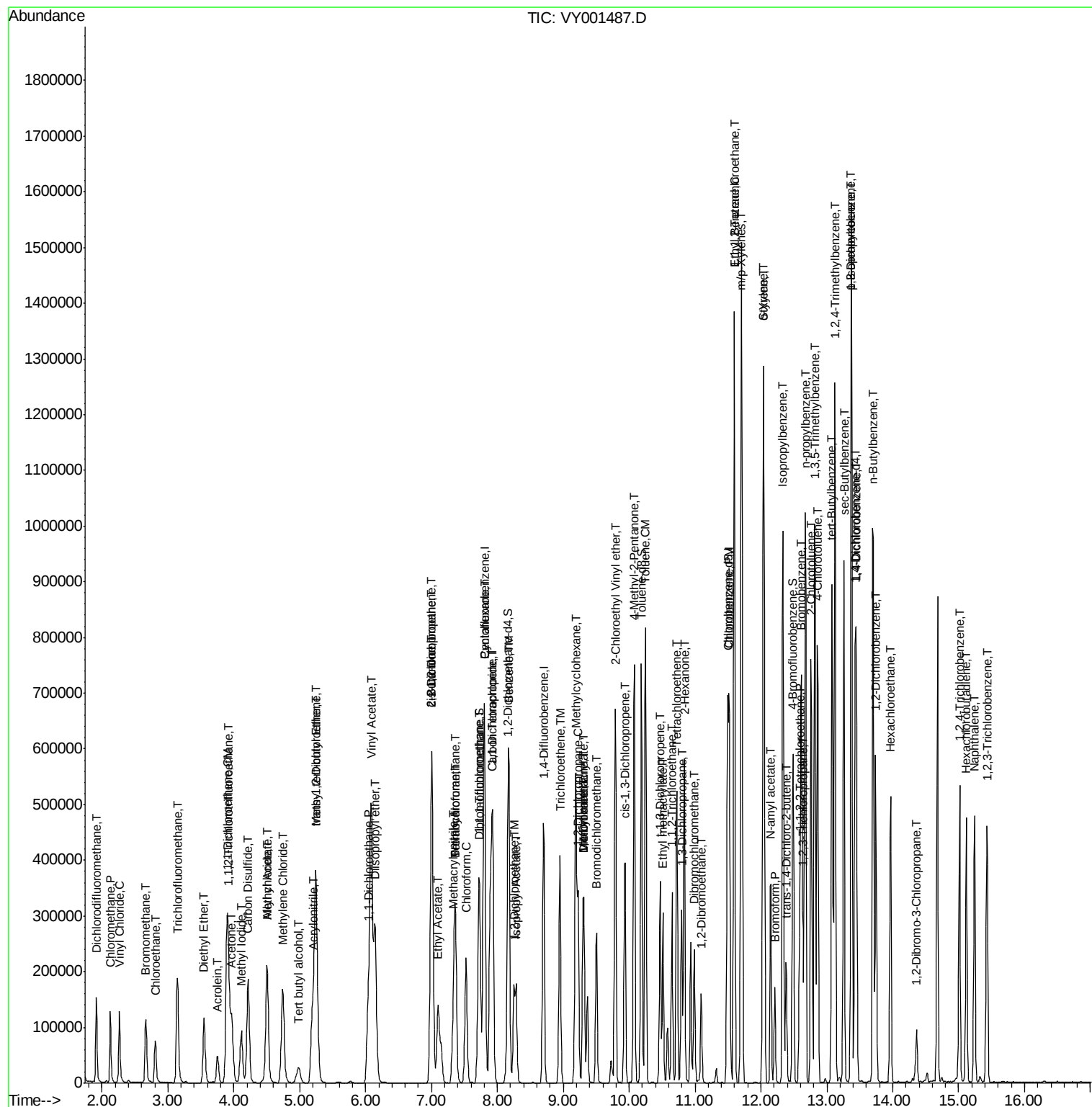
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
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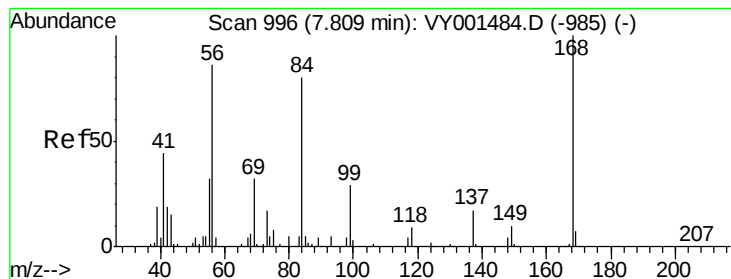
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion:168 Resp: 232854

Ion Ratio Lower Upper

168 100

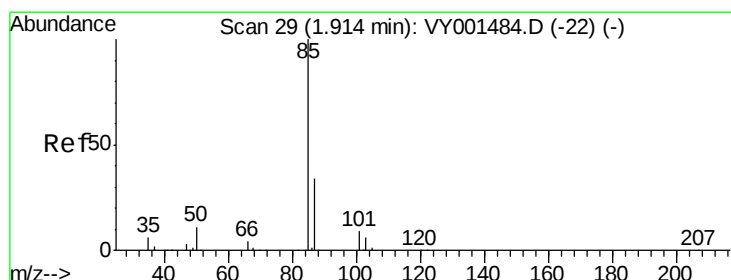
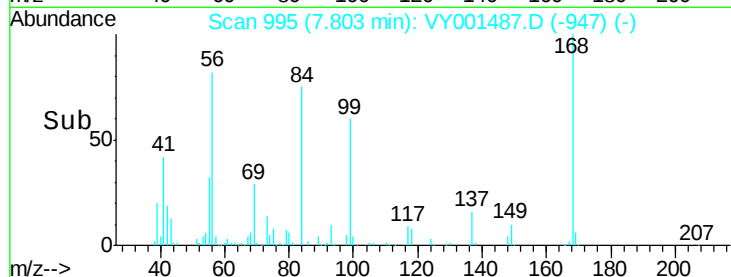
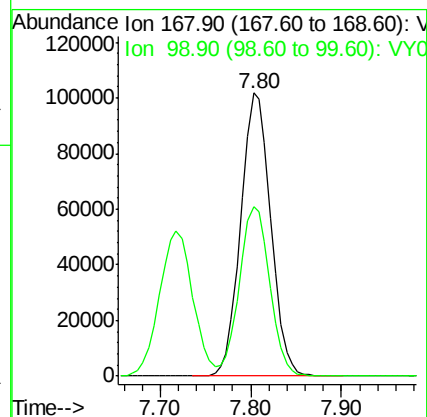
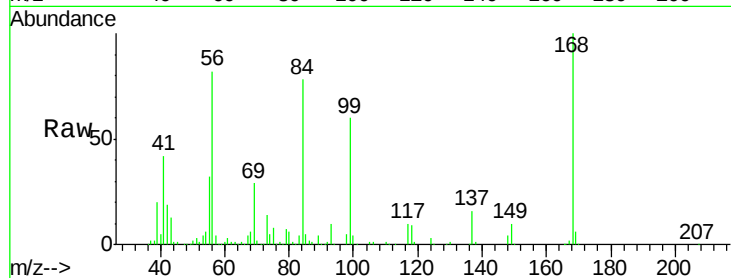
99 59.7 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.443 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001487.D

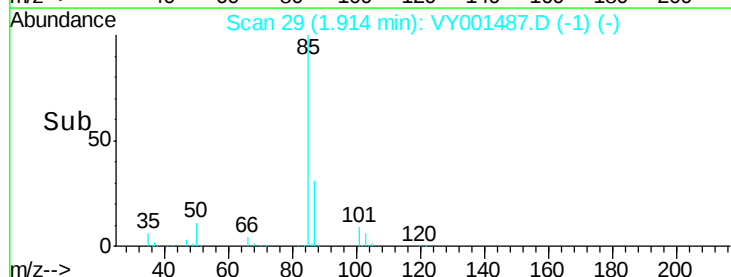
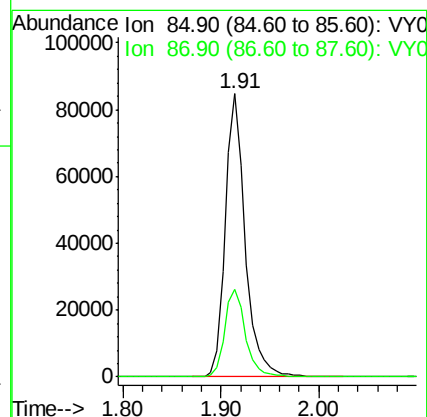
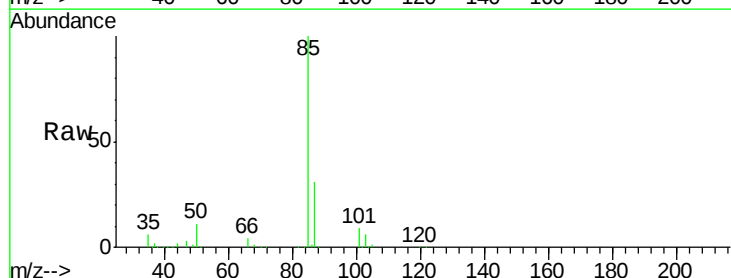
Acq: 04 Feb 2020 15:19

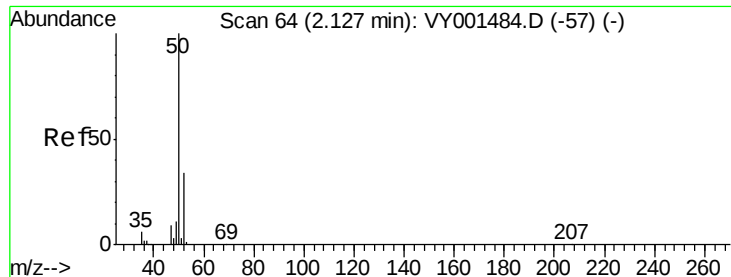
Tgt Ion: 85 Resp: 119537

Ion Ratio Lower Upper

85 100

87 31.1 17.0 50.9





#3

Chloromethane

Concen: 50.289 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY020420

Tot Ion: 50 Resp: 119803

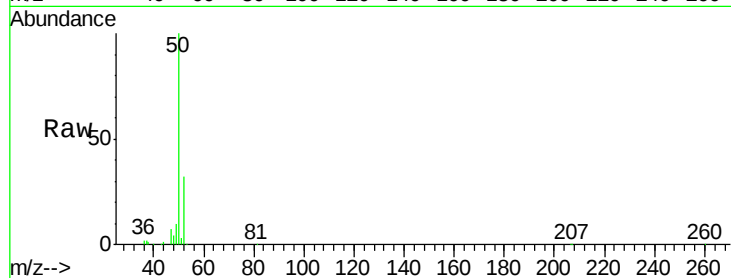
Ion Ratio Lower Upper

50 100

52 32.0 27.3 40.9

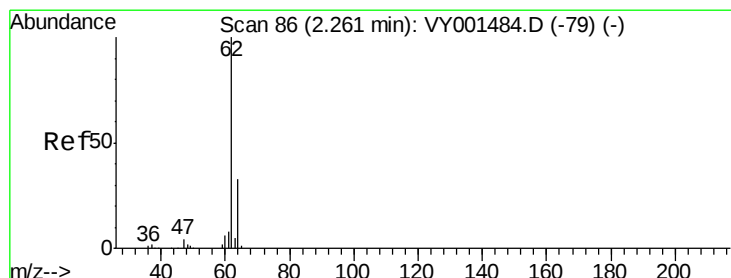
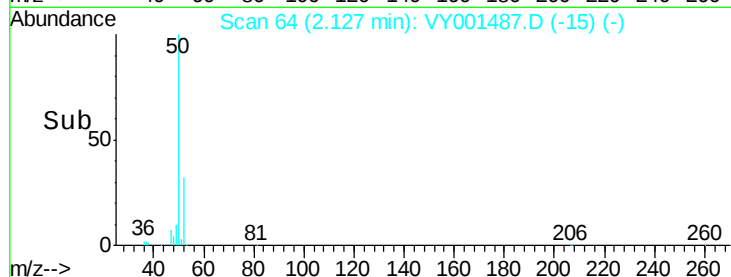
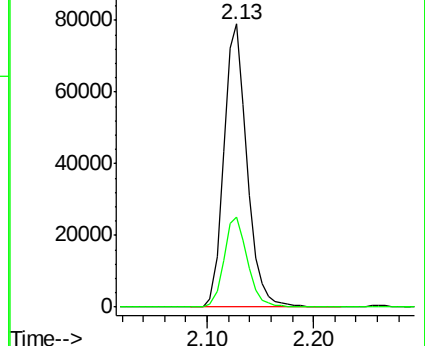
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 51.604 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001487.D

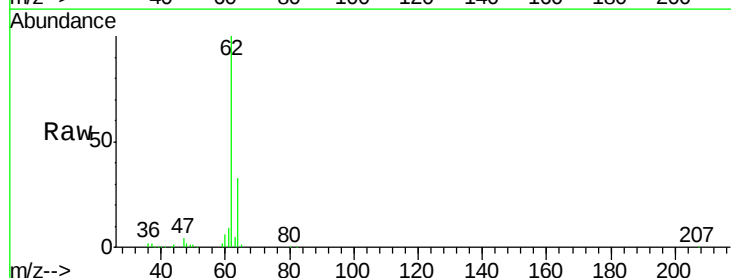
Acq: 04 Feb 2020 15:19

Tgt Ion: 62 Resp: 127650

Ion Ratio Lower Upper

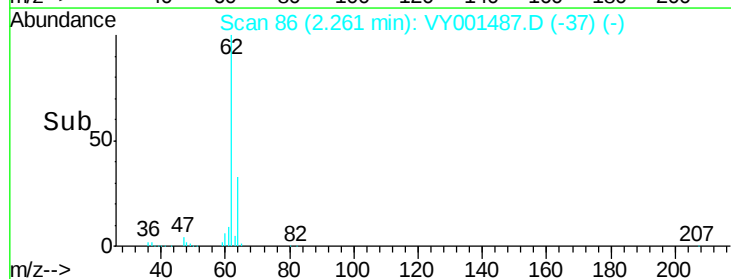
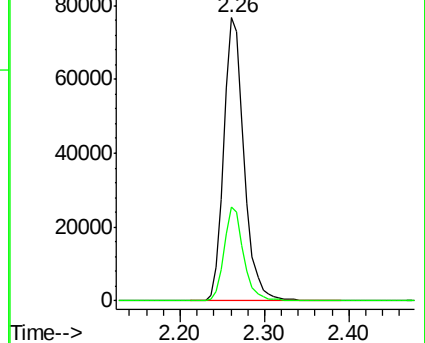
62 100

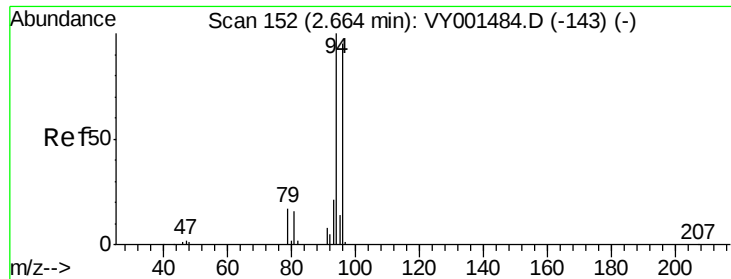
64 33.1 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 52.237 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

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ClientSampleId :

ICVVY020420

Tot Ion: 94 Resp: 81264

Ion Ratio Lower Upper

94 100

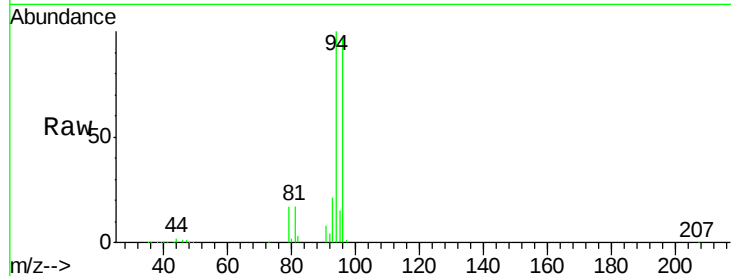
96 97.1 76.2 114.2

Manual Integrations

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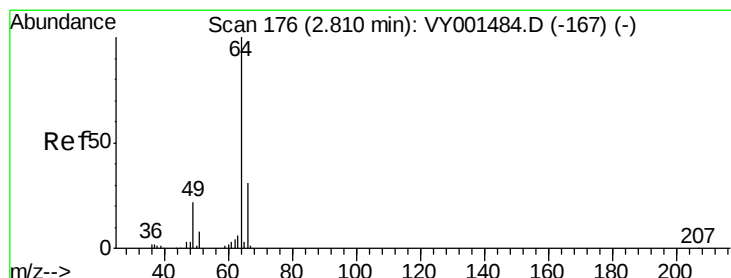
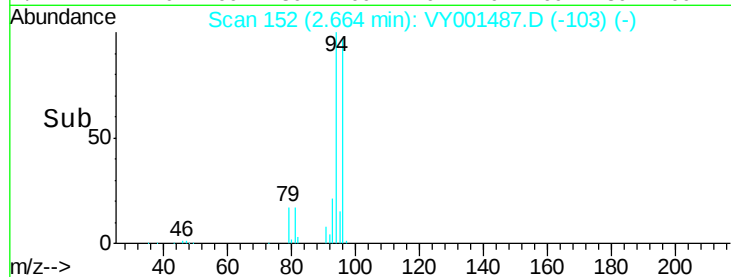
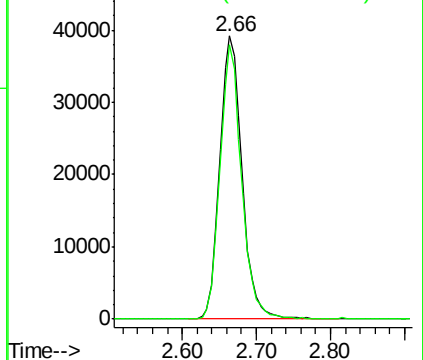
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.324 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001487.D

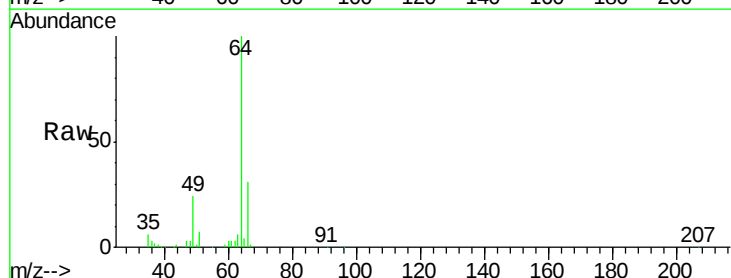
Acq: 04 Feb 2020 15:19

Tgt Ion: 64 Resp: 75036

Ion Ratio Lower Upper

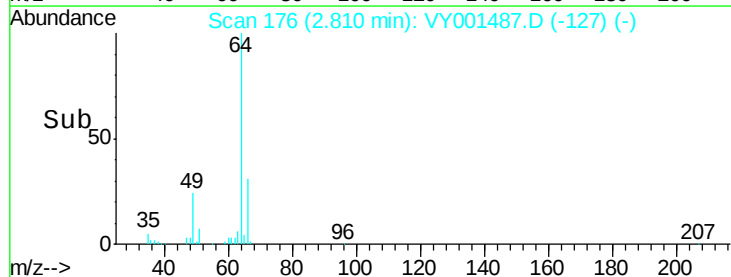
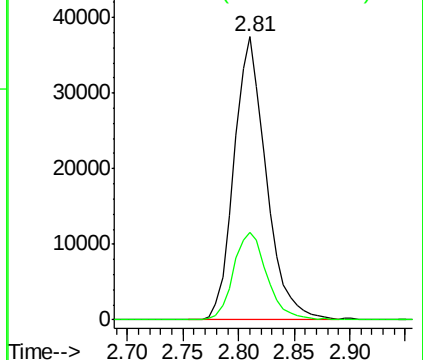
64 100

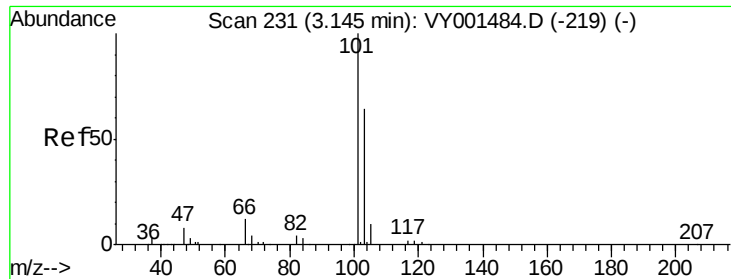
66 31.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

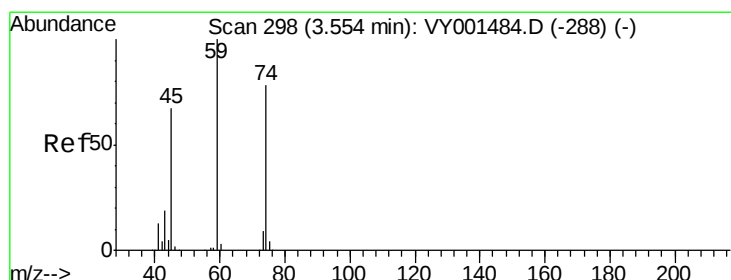
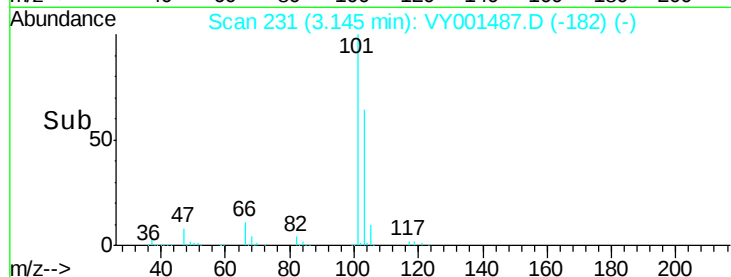
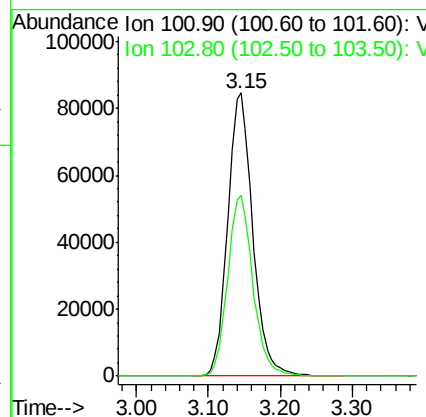
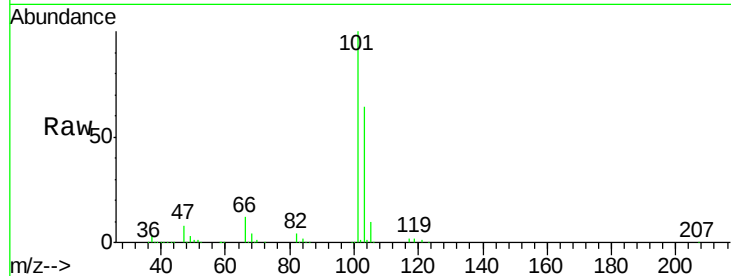
Trichlorofluoromethane
 Concen: 50.036 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	204875		
103	63.8	50.9	76.3	

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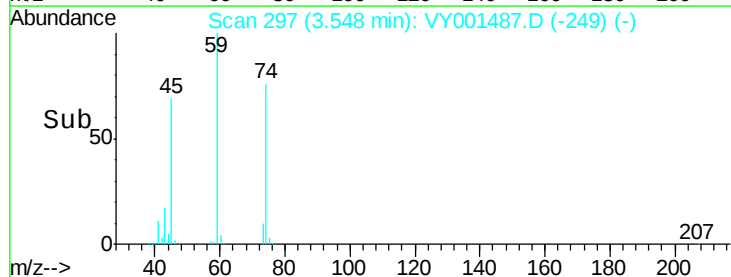
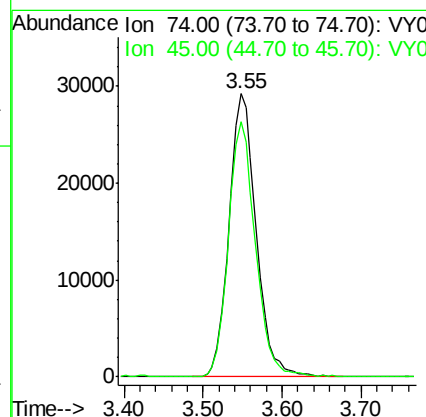
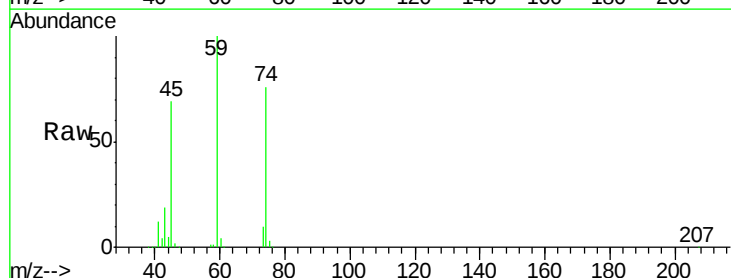
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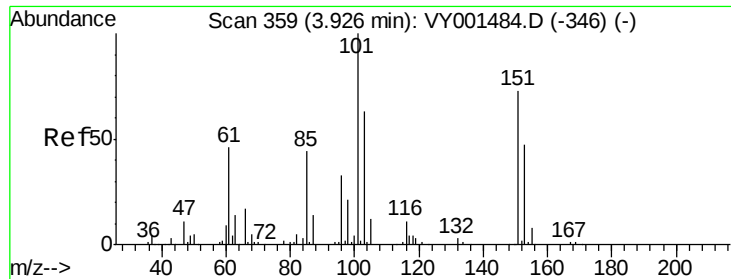


#8

Diethyl Ether
 Concen: 50.544 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69838		
45	90.2	44.5	133.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.229 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

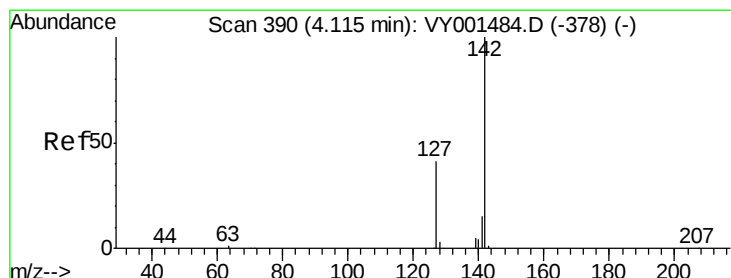
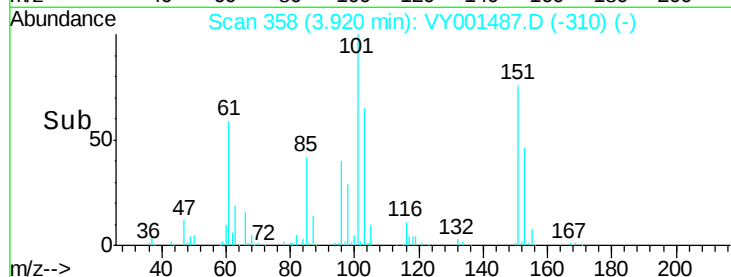
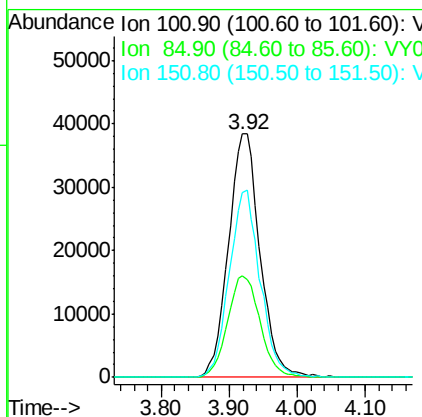
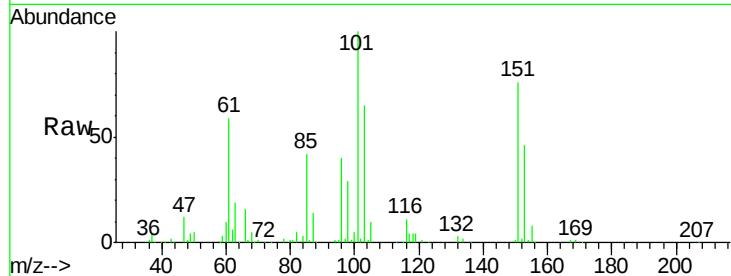
ClientSampleId :

ICVY020420

Tot Ion:	101	Resp:	123746
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	51.8
151	75.2	60.3	90.5

Manual Integrations
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2/5/2020 12:23:52 PM



#10

Methyl Iodide

Concen: 50.736 ug/l

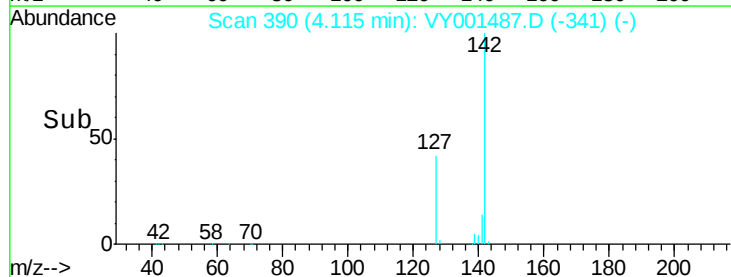
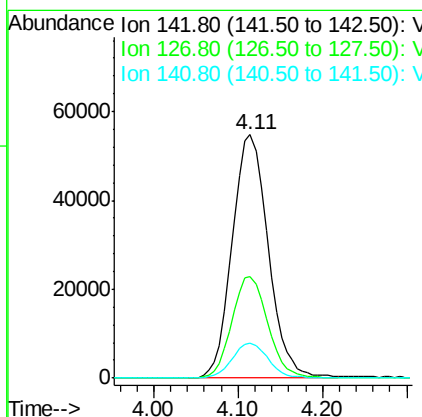
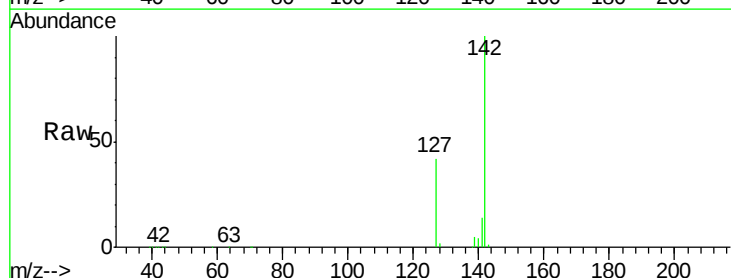
RT: 4.11 min Scan# 390

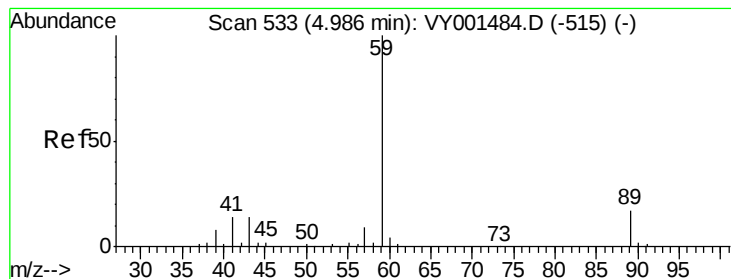
Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	142	Resp:	159266
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.3	49.9
141	14.3	11.5	17.3





#11

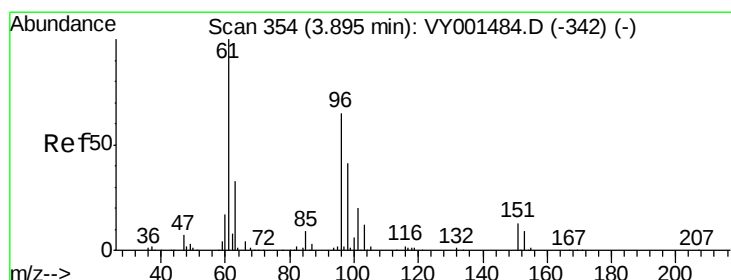
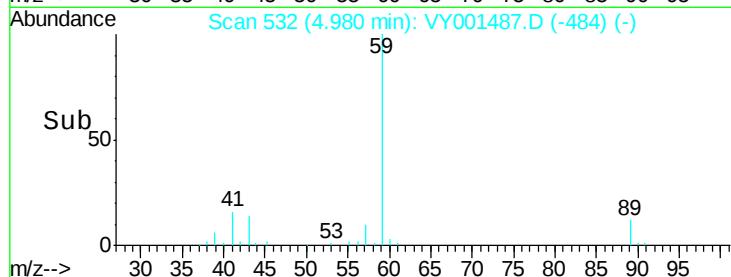
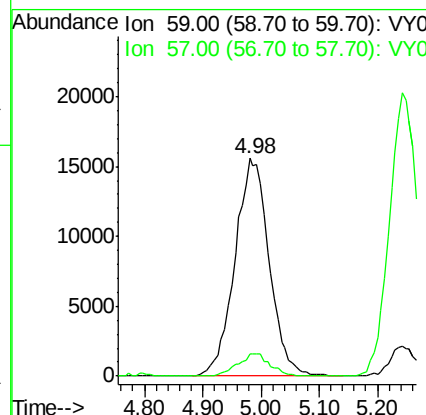
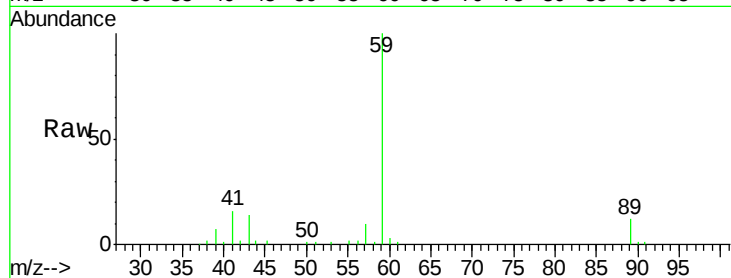
Tert butyl alcohol
 Concen: 240.086 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	59.00	Resp	63651
Ion Ratio	100	Lower	Upper
59	100		
57	9.6	7.0	10.6

Manual Integrations
 APPROVED

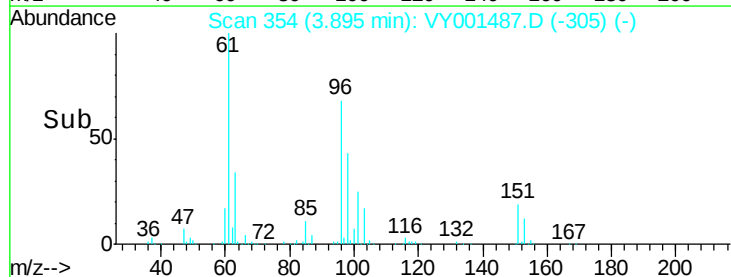
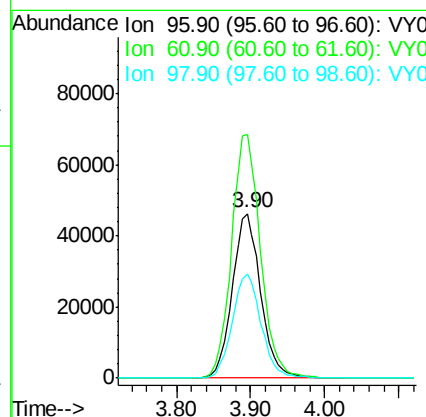
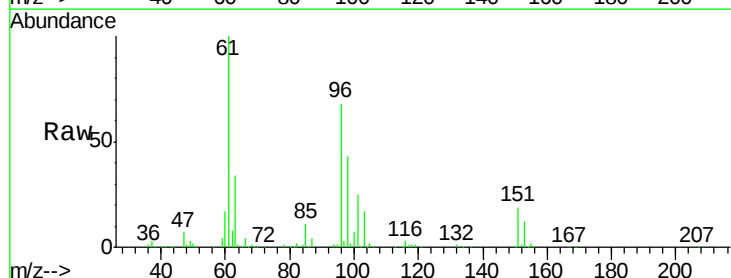
MMDadoda
 2/5/2020 12:23:52 PM

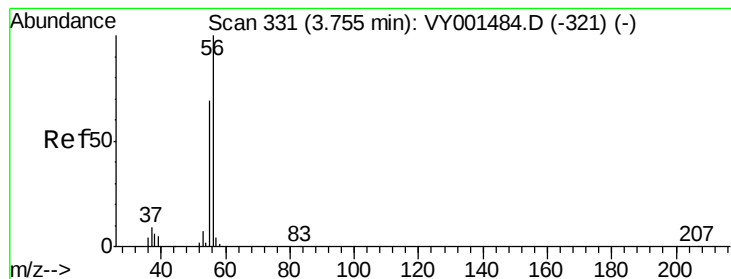


#12

1,1-Dichloroethene
 Concen: 50.186 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	96.00	Resp	122863
Ion Ratio	100	Lower	Upper
96	100		
61	147.9	122.3	183.5
98	63.6	49.7	74.5





#13

Acrolein

Concen: 266.021 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion: 56 Resp: 59056

Ion Ratio Lower Upper

56 100

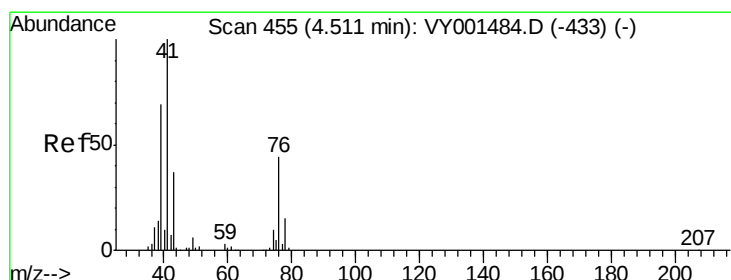
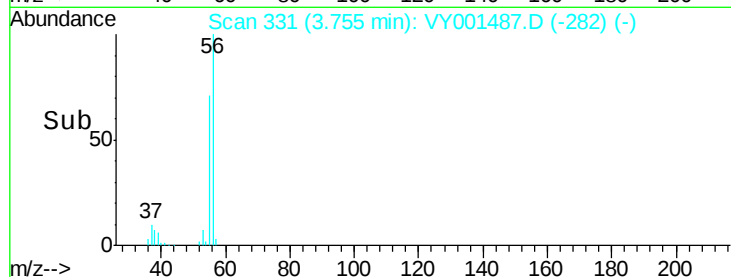
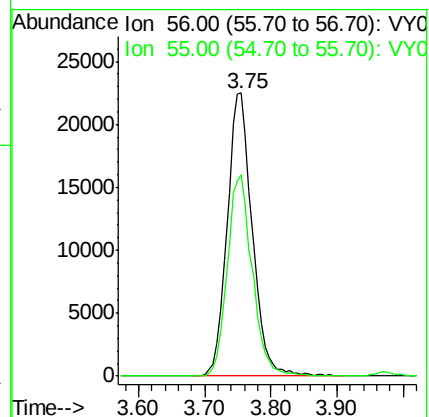
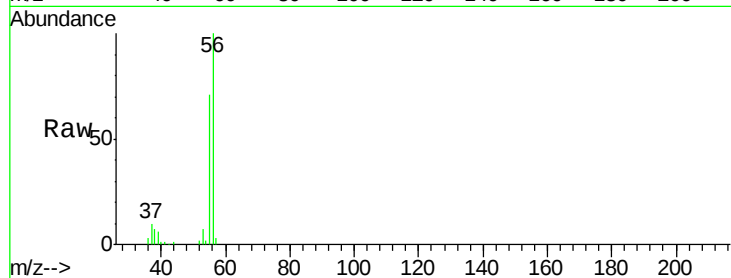
55 70.4 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:52 PM



#14

Allyl chloride

Concen: 50.574 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

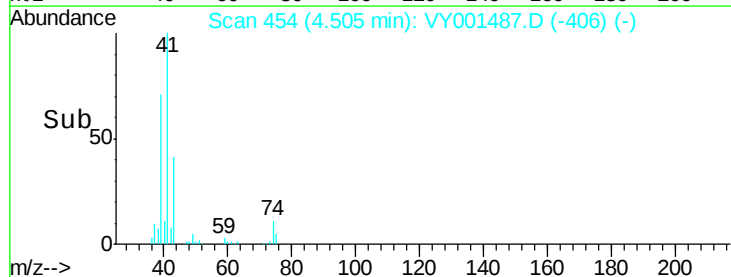
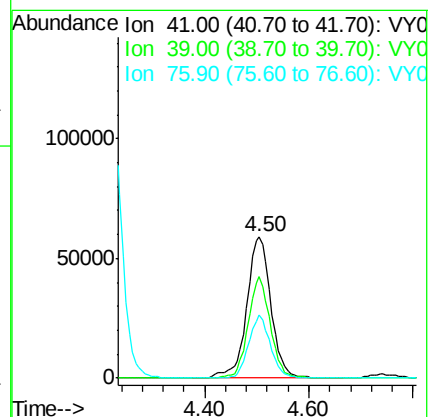
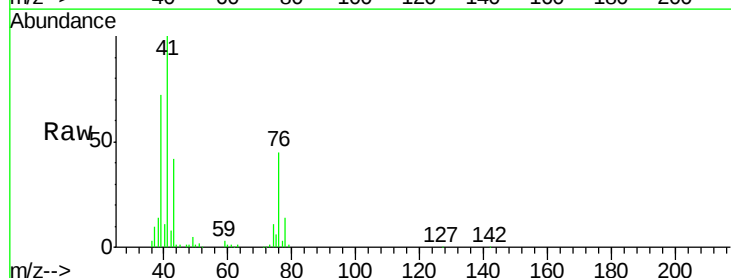
Tgt Ion: 41 Resp: 189404

Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.6

76 40.0 32.6 48.8





#15

Acrylonitrile

Concen: 263.525 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

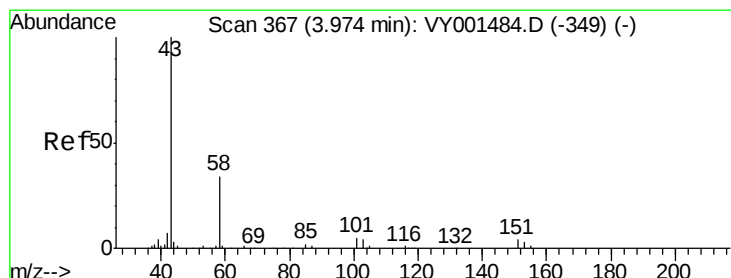
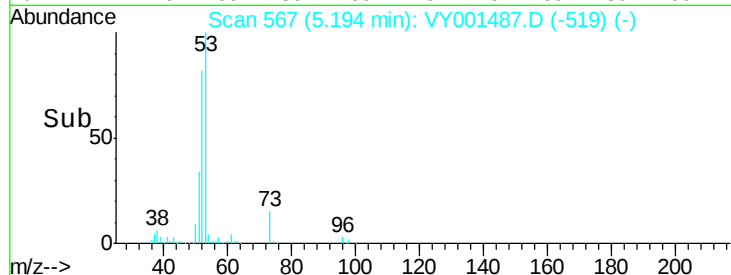
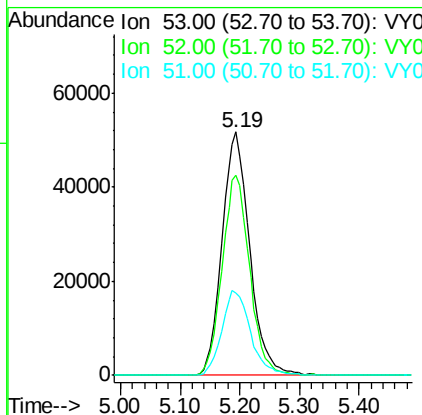
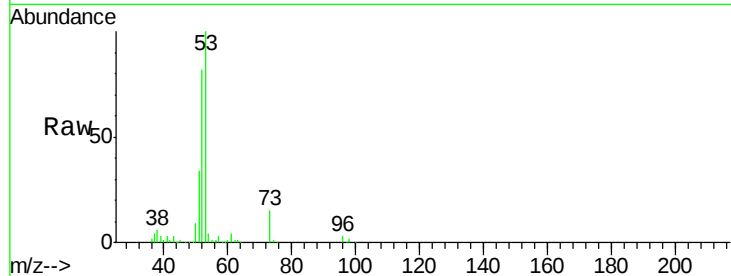
ClientSampleId :

ICVY020420

Tot Ion:	53	Resp:	166924
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.4	98.2
51	36.1	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:52 PM



#16

Acetone

Concen: 263.123 ug/l

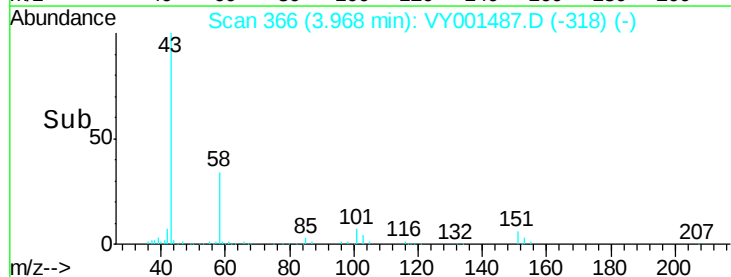
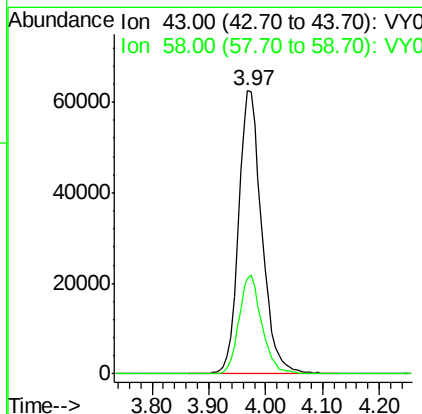
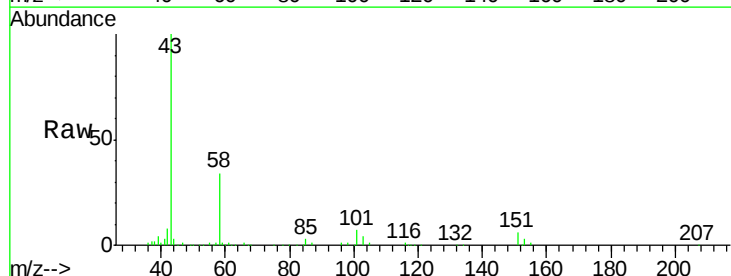
RT: 3.97 min Scan# 366

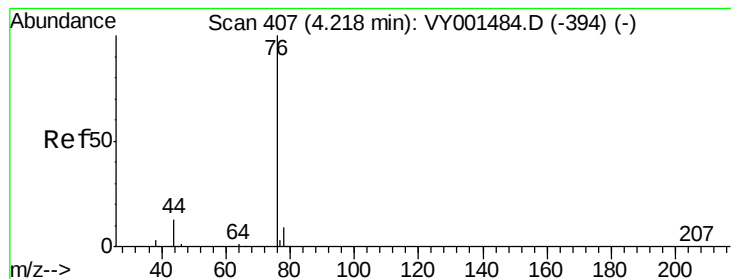
Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	43	Resp:	178443
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.5	41.3





#17

Carbon Disulfide

Concen: 51.035 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion: 76 Resp: 397746

Ion Ratio Lower Upper

76 100

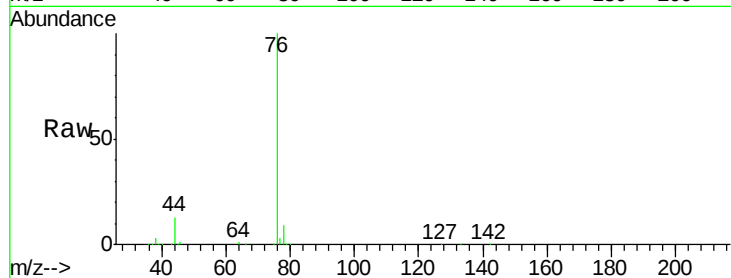
78 9.0 7.0 10.6

Manual Integrations

APPROVED

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2/5/2020 12:23:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

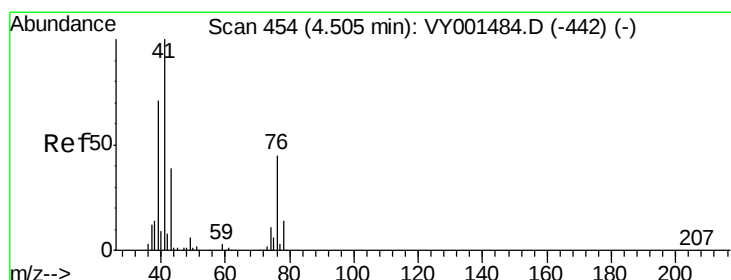
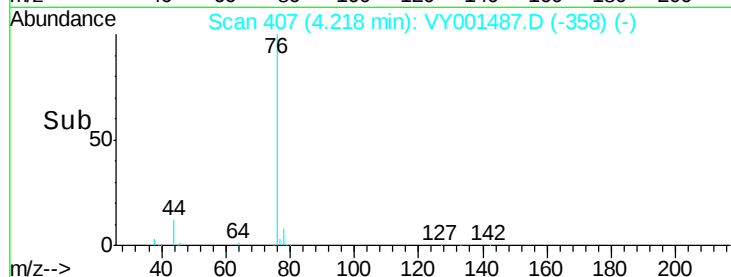
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.975 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001487.D

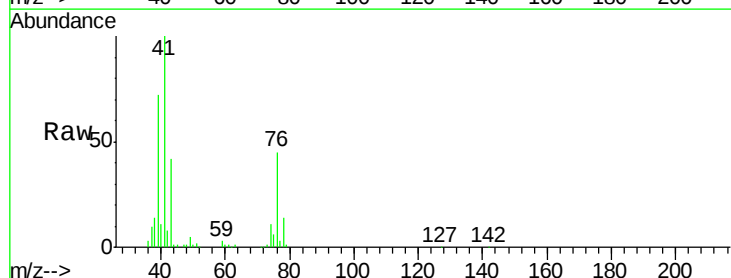
Acq: 04 Feb 2020 15:19

Tgt Ion: 43 Resp: 73771

Ion Ratio Lower Upper

43 100

74 25.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

25000

20000

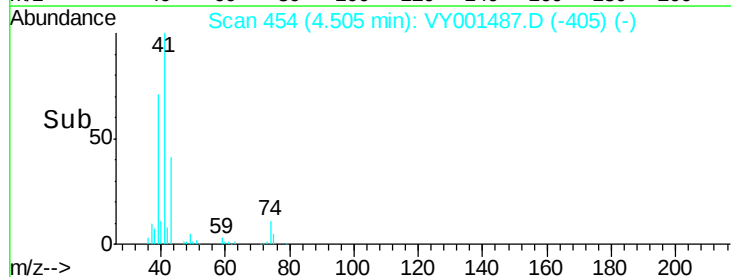
15000

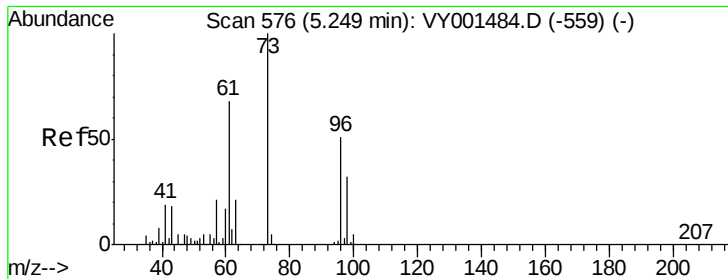
10000

5000

0

Time-->





#19

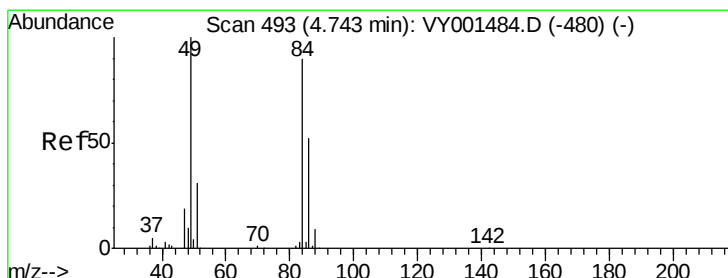
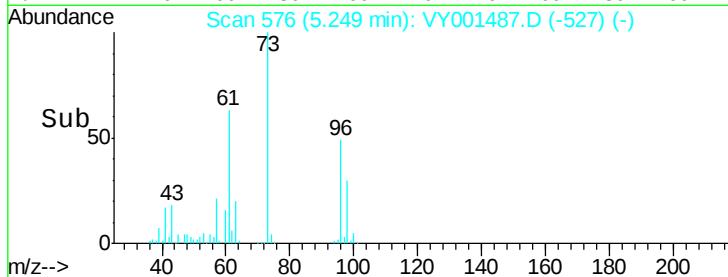
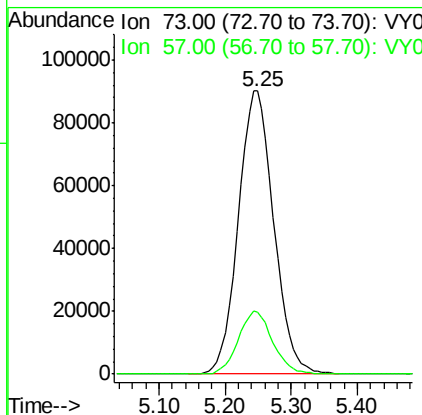
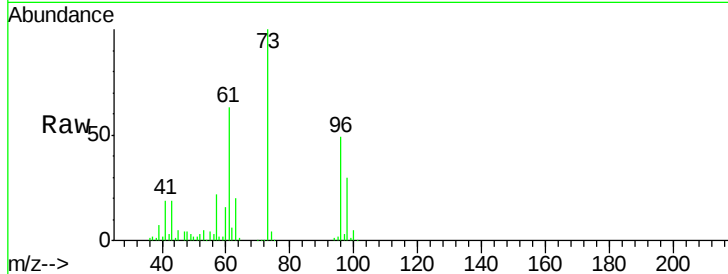
Methyl tert-butyl Ether
 Concen: 51.411 ug/l
 RT: 5.25 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampled :
 ICVVY020420

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.6

Manual Integrations
 APPROVED

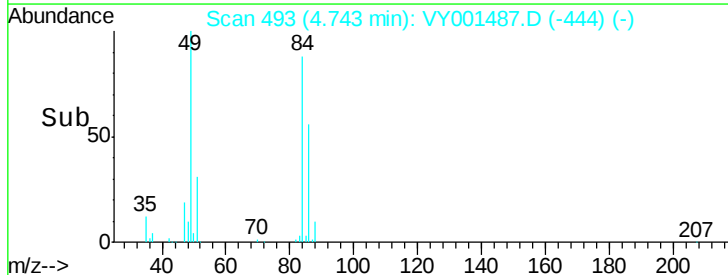
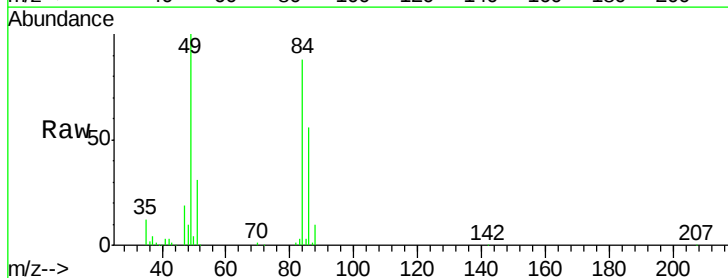
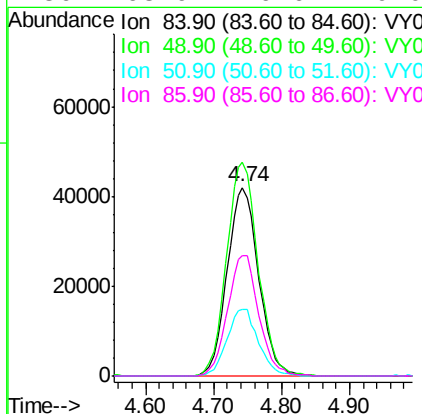
MMDadoda
 2/5/2020 12:23:52 PM

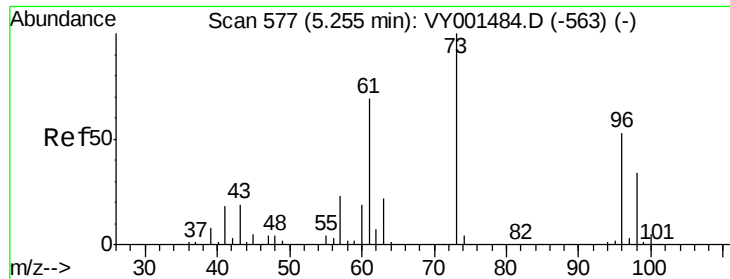


#20

Methylene Chloride
 Concen: 50.739 ug/l
 RT: 4.74 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	89.0	133.6
51	35.5	27.4	41.2
86	63.9	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 50.302 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

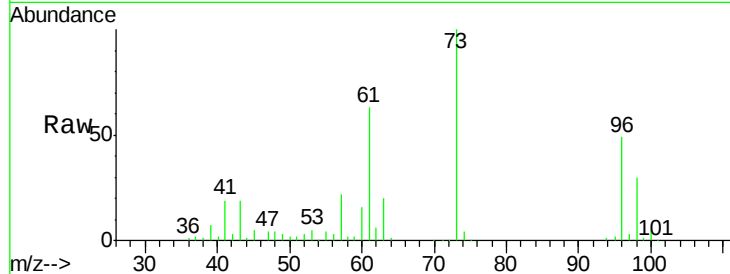
ClientSampleId :

ICVY020420

Tot Ion:	96	Resp:	136901
Ion	Ratio	Lower	Upper
96	100		
61	128.5	104.2	156.4
98	61.9	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:52 PM

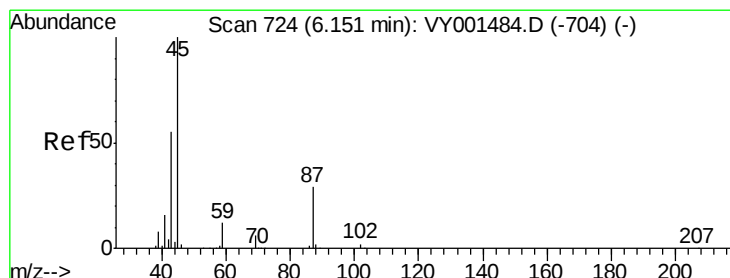
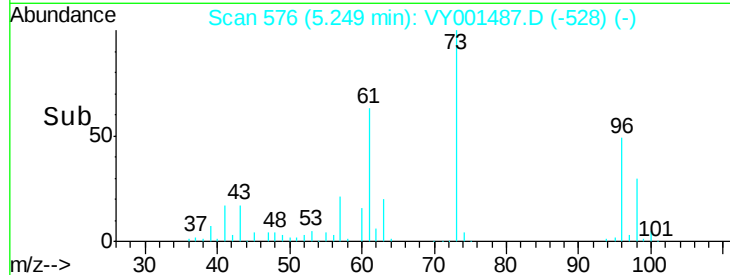
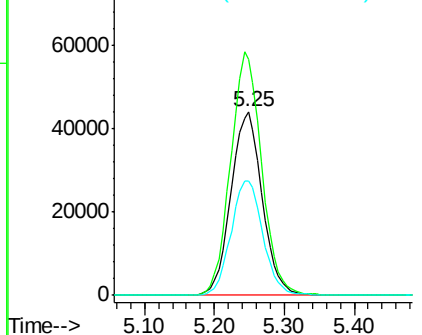


Abundance

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: 50.891 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	45	Resp:	377602
Ion	Ratio	Lower	Upper
45	100		
43	54.4	44.2	66.4
87	29.9	23.9	35.9
59	11.8	10.2	15.2

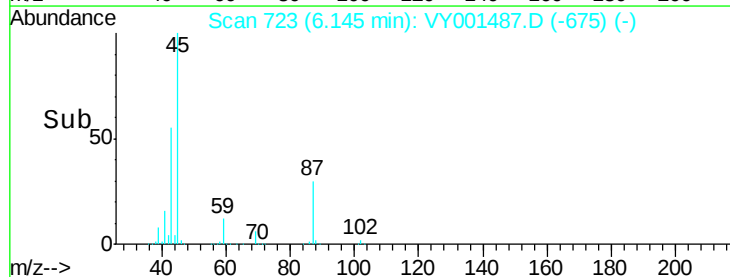
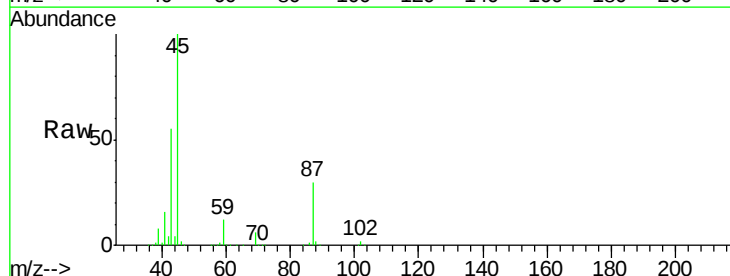
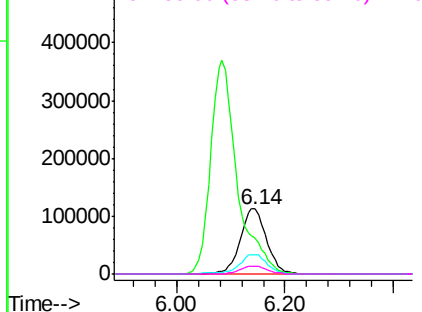
Abundance

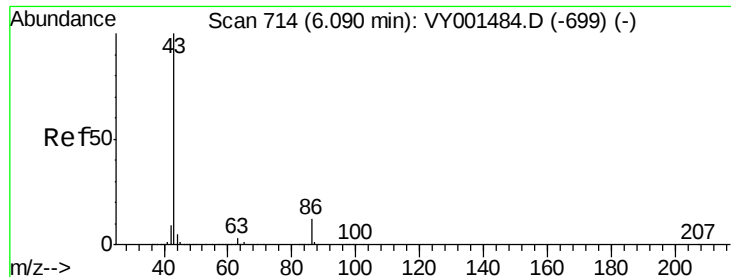
Ion 45.00 (44.70 to 45.70): VY0

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: 264.603 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion: 43 Resp: 1249830

Ion Ratio Lower Upper

43 100

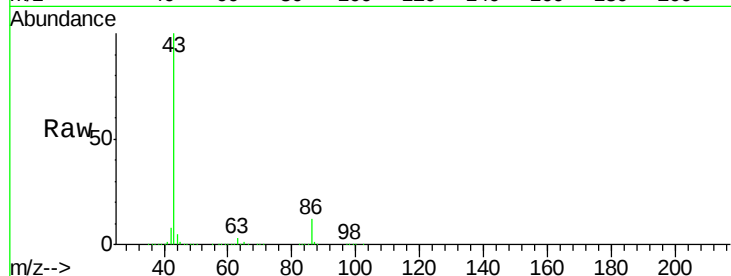
86 12.2 9.8 14.8

Manual Integrations

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MMDadoda

2/5/2020 12:23:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

400000

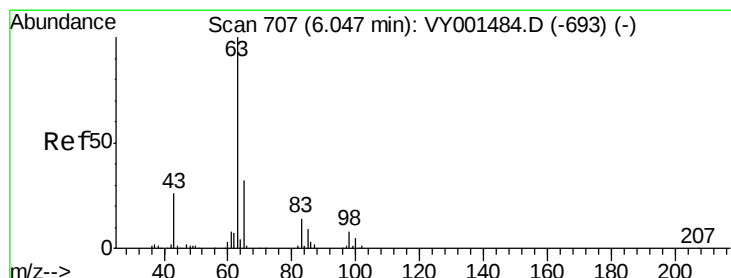
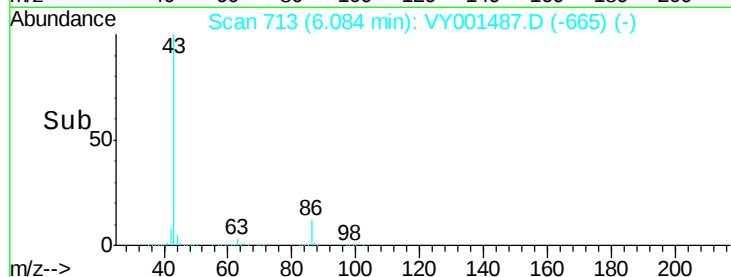
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.835 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

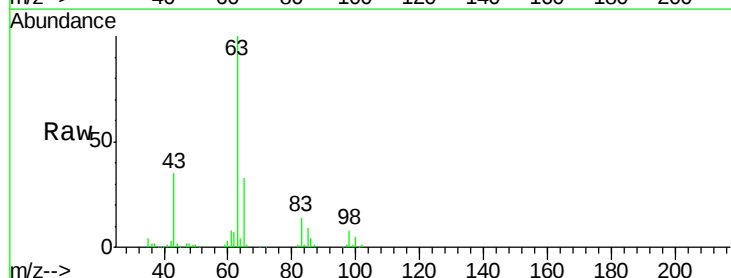
Tgt Ion: 63 Resp: 222414

Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

100 4.5 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

80000

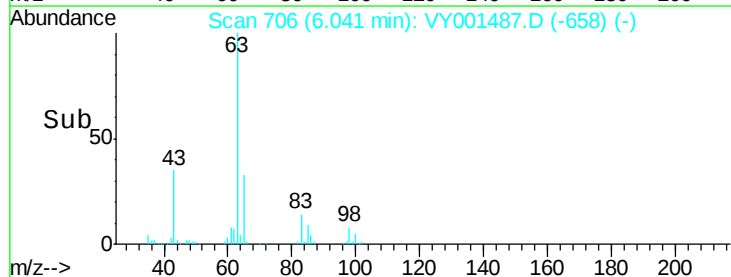
60000

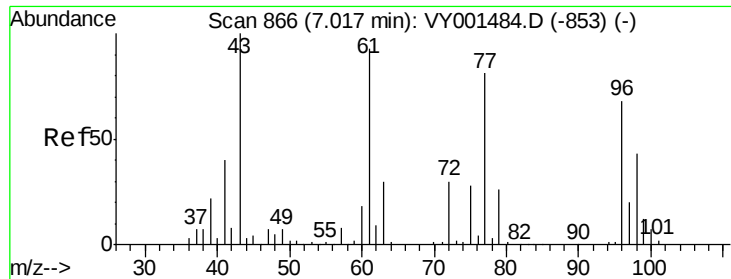
40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.917 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion: 43 Resp: 233960

Ion Ratio Lower Upper

43 100

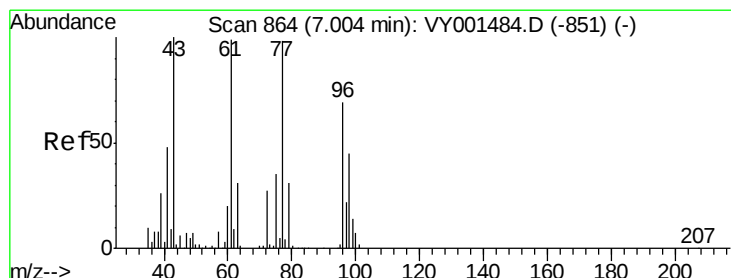
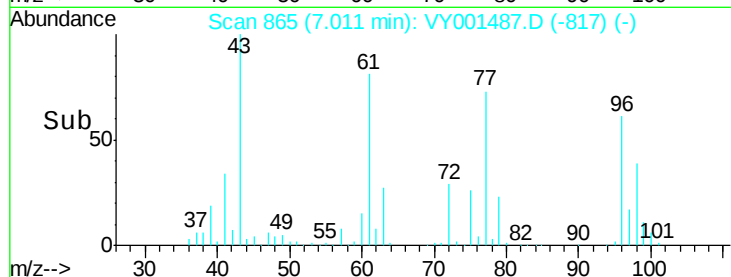
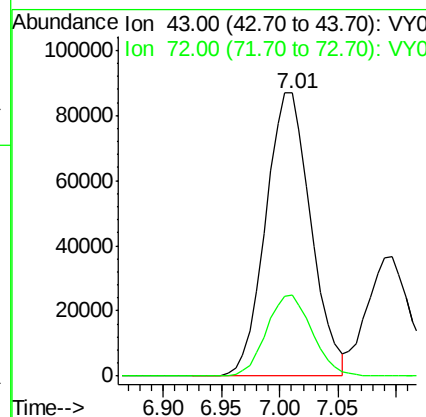
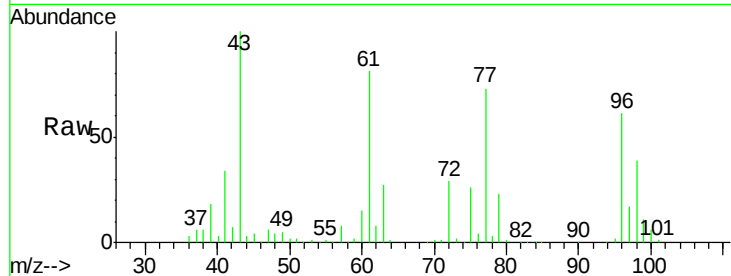
72 28.5 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.659 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001487.D

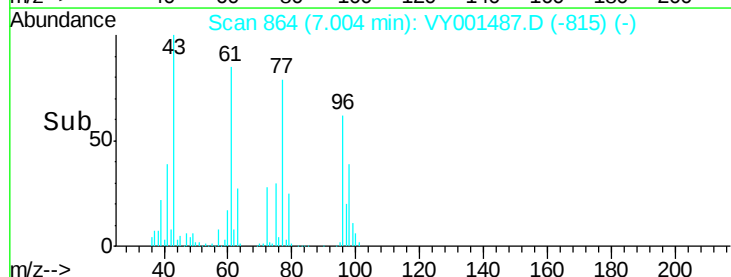
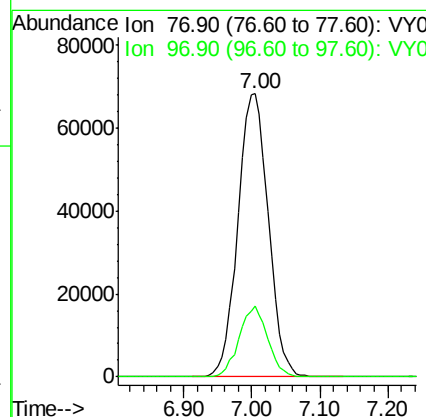
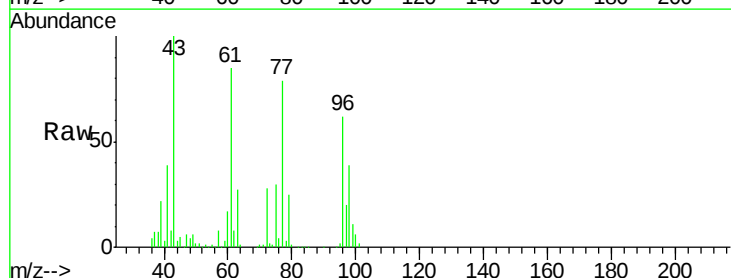
Acq: 04 Feb 2020 15:19

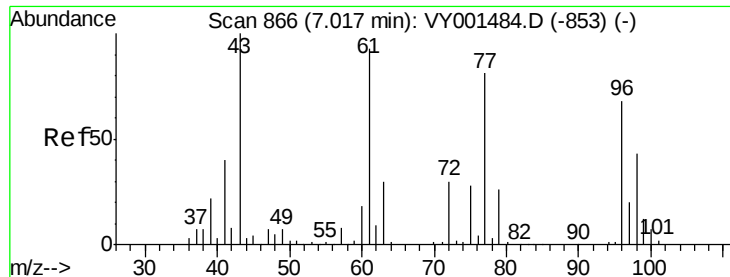
Tgt Ion: 77 Resp: 212111

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

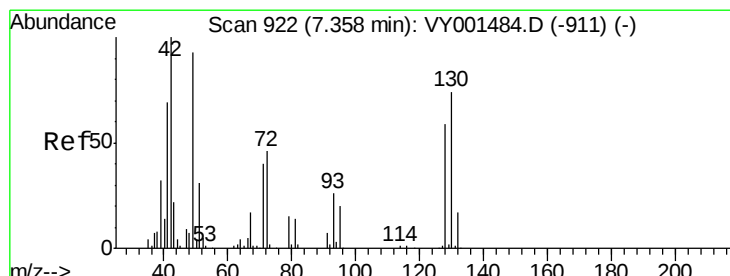
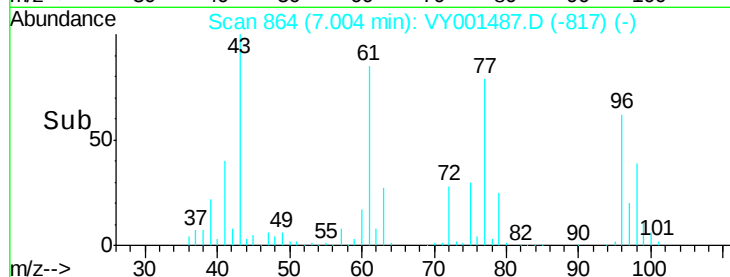
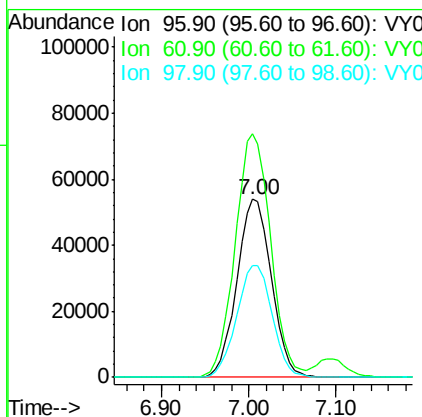
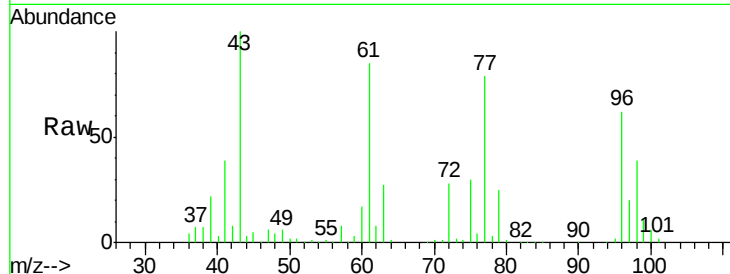
cis-1,2-Dichloroethene
Concen: 49.847 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Resp	Lower	Upper
96	100	148175		
61	140.5	0.0	278.8	
98	64.5	0.0	128.8	

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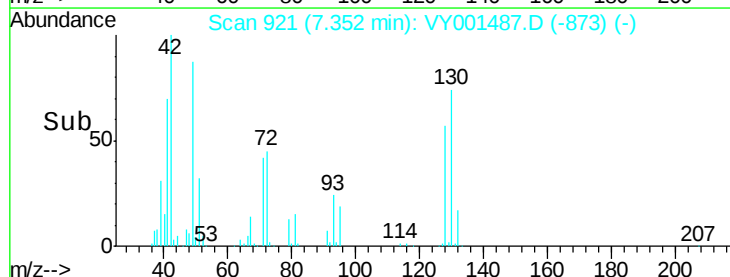
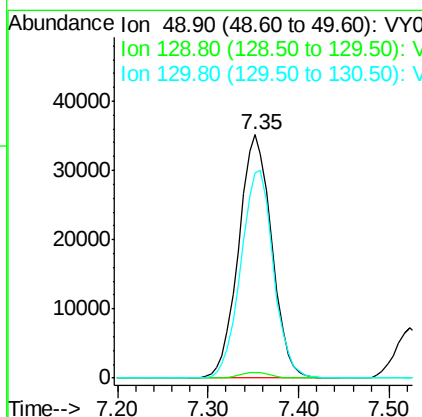
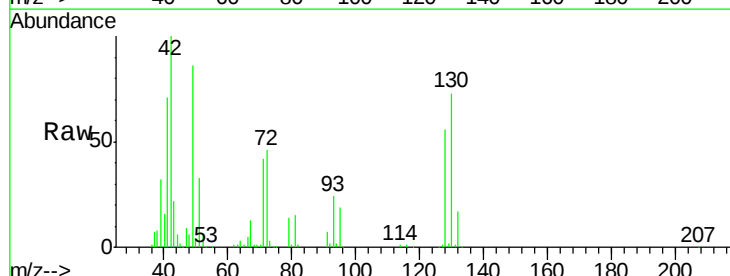
MMDadoda
2/5/2020 12:23:52 PM

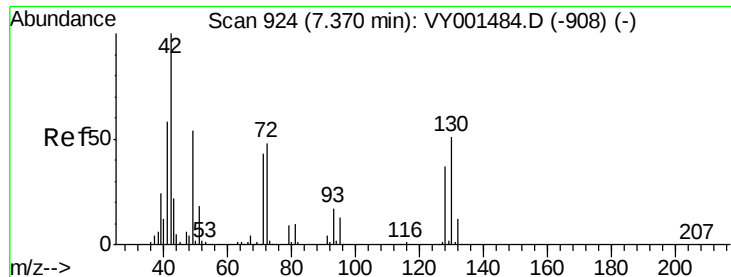


#28

Bromochloromethane
Concen: 58.433 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88840		
129	2.2	0.0	4.8	
130	84.0	65.4	98.2	





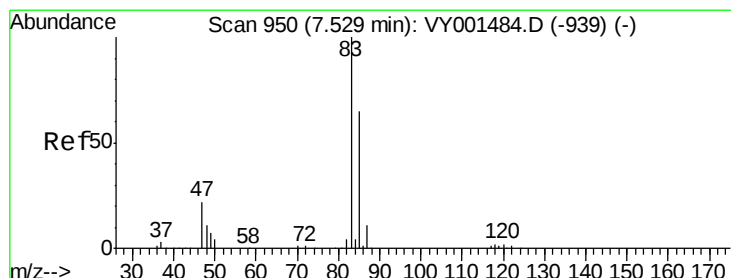
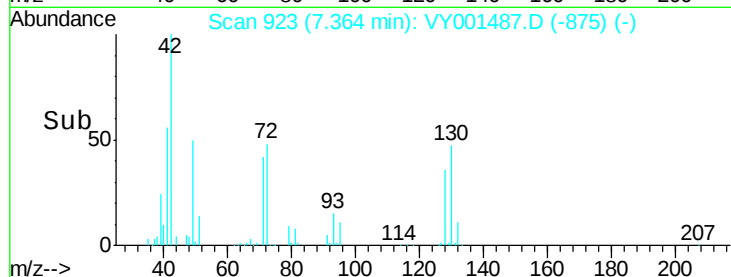
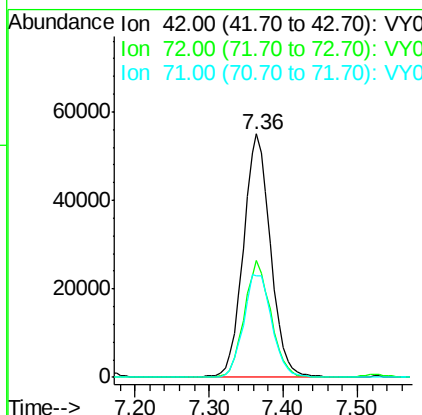
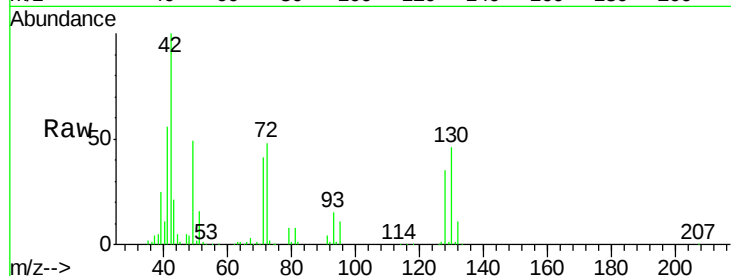
#29
Tetrahydrofuran
Concen: 266.879 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.8	56.6
71	44.0	34.8	52.2

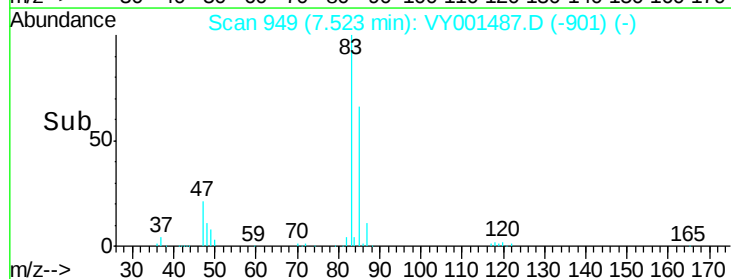
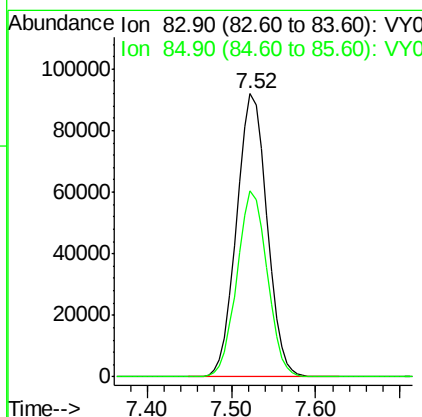
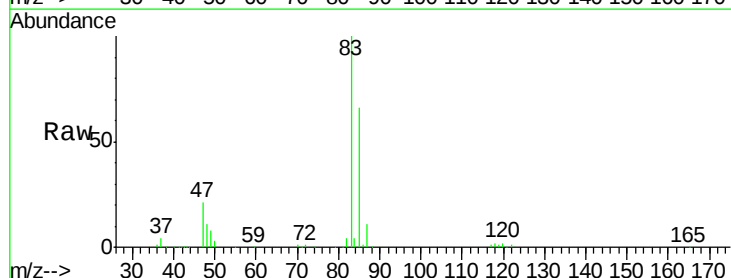
Manual Integrations
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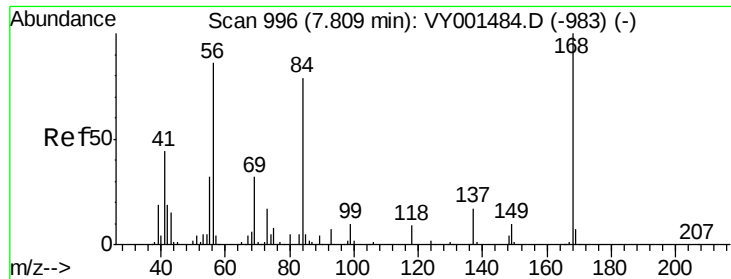
MMDadoda
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#30
Chloroform
Concen: 49.597 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





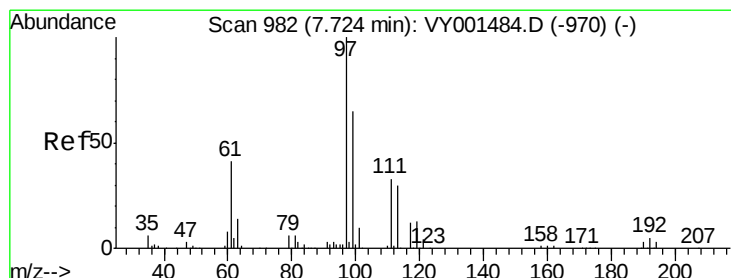
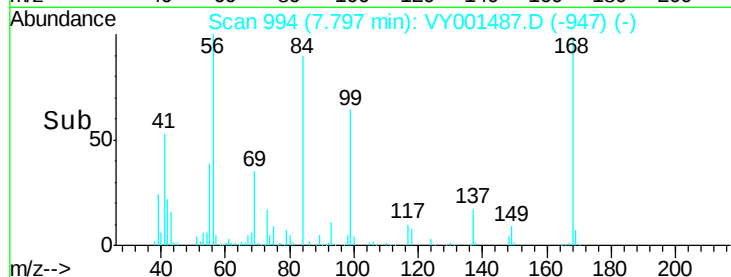
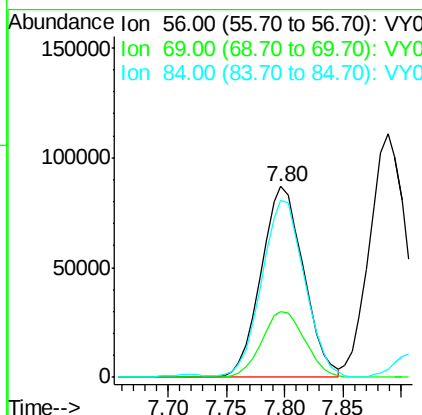
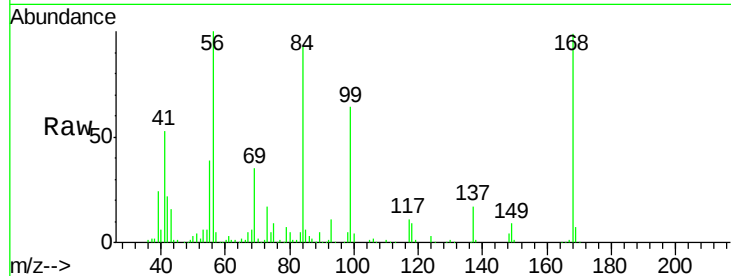
#31
Cyclohexane
Concen: 48.466 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	29.6	44.4
84	91.1	73.6	110.4

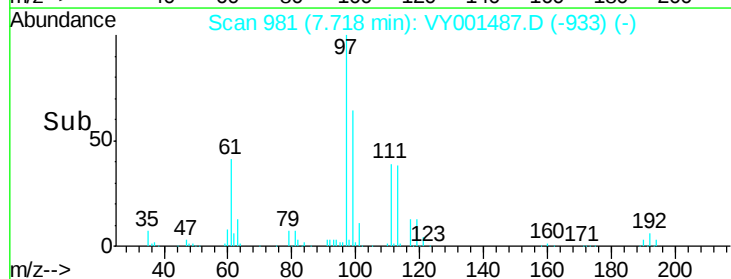
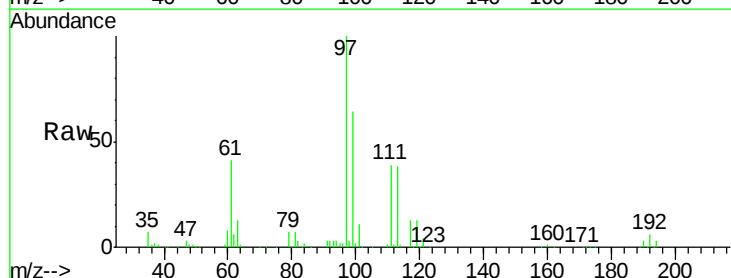
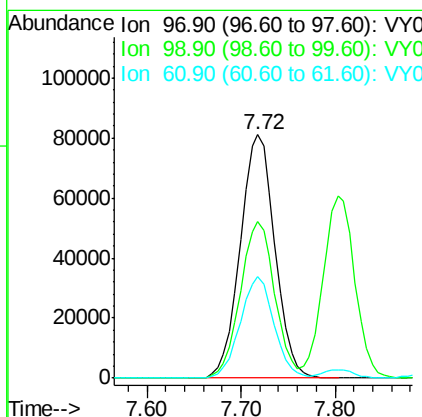
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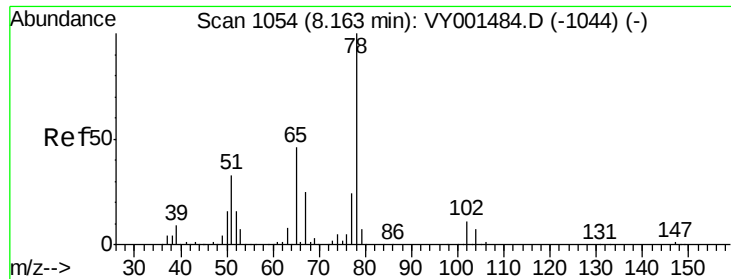
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#32
1,1,1-Trichloroethane
Concen: 50.970 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.8
61	40.5	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 56.688 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132905		
67	53.3	0.0	108.6	

Instrument :

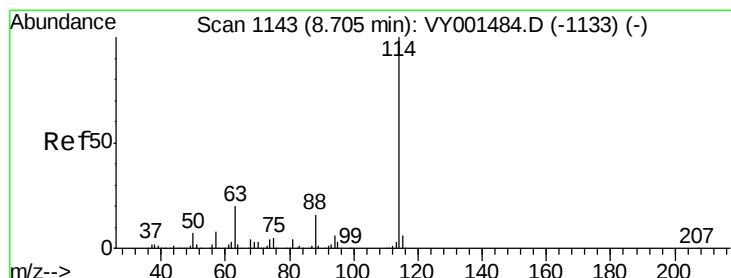
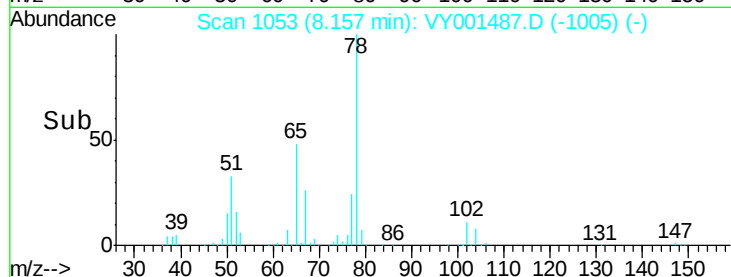
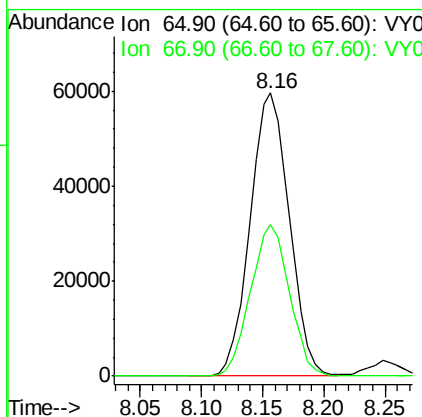
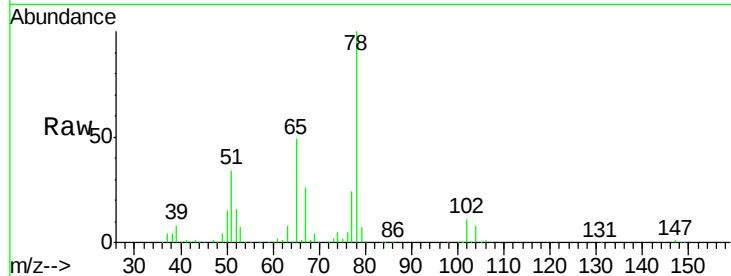
MSVOA_Y

ClientSampleId :

ICVY020420

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

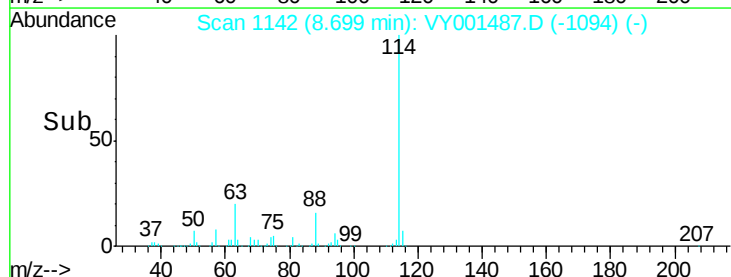
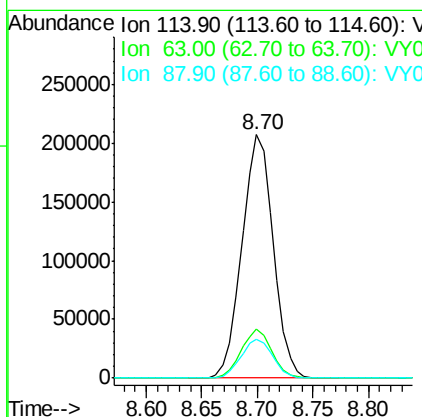
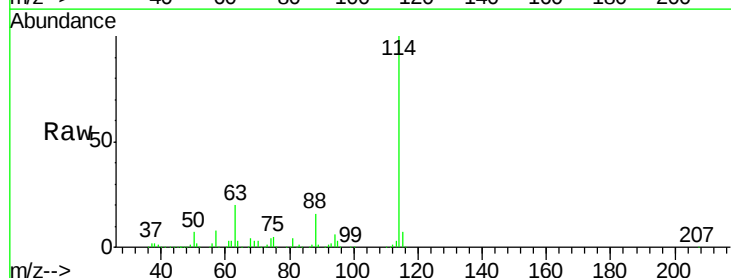
RT: 8.70 min Scan# 1142

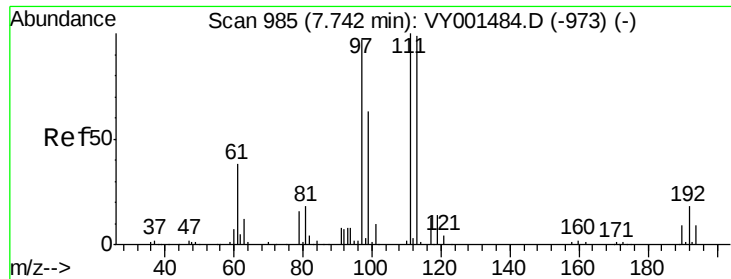
Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404224		
63	20.2	0.0	39.8	
88	16.2	0.0	32.6	





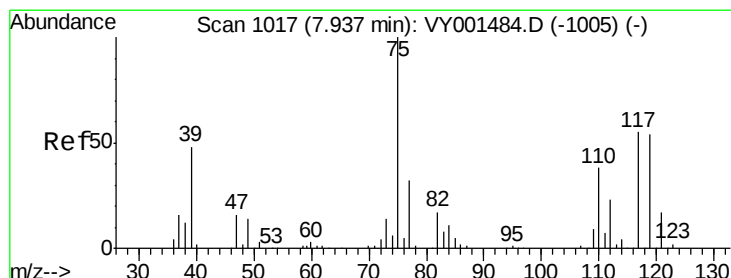
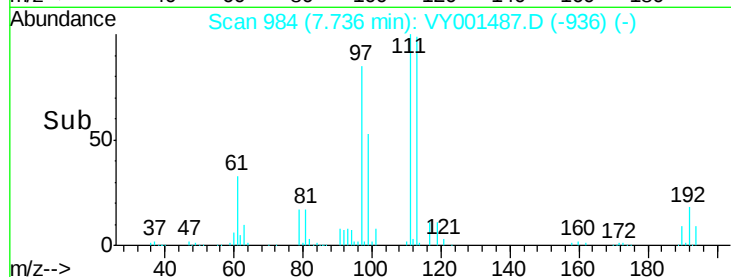
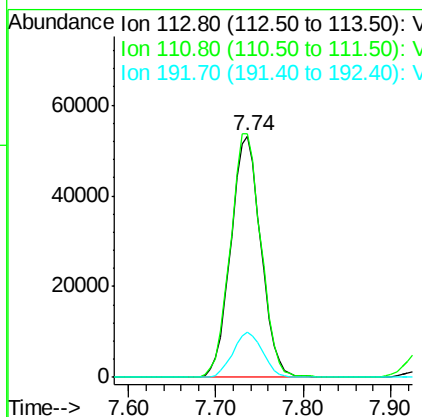
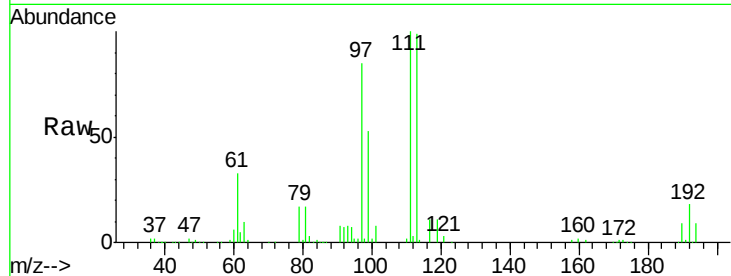
#35
Dibromofluoromethane
Concen: 54.622 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127320		
111	102.4	82.9	124.3	
192	18.5	14.6	22.0	

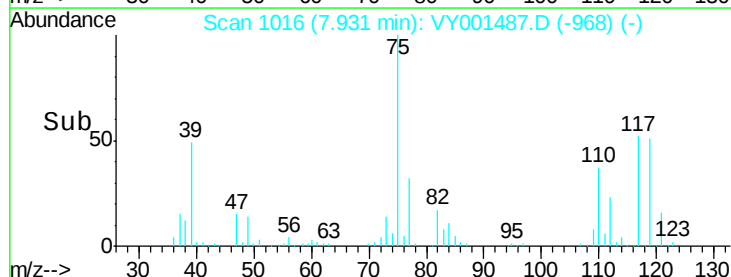
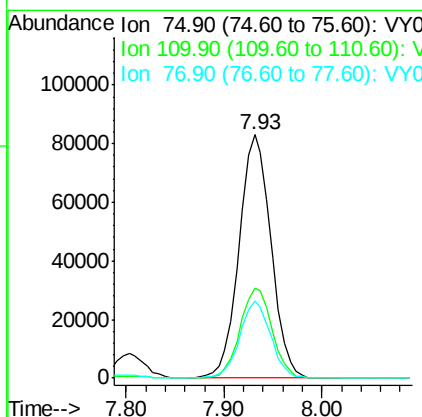
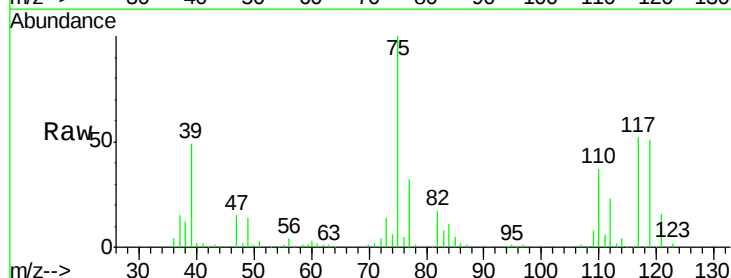
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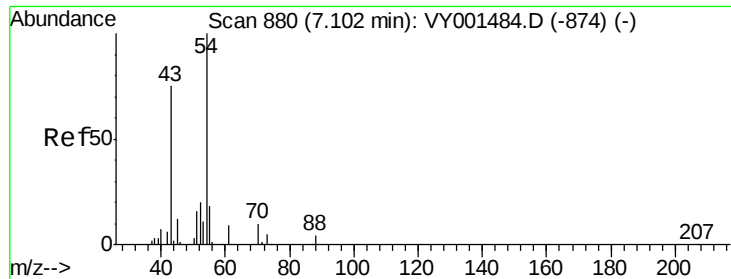
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#36
1,1-Dichloropropene
Concen: 50.767 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	187731		
110	36.9	18.2	54.6	
77	31.0	25.0	37.4	





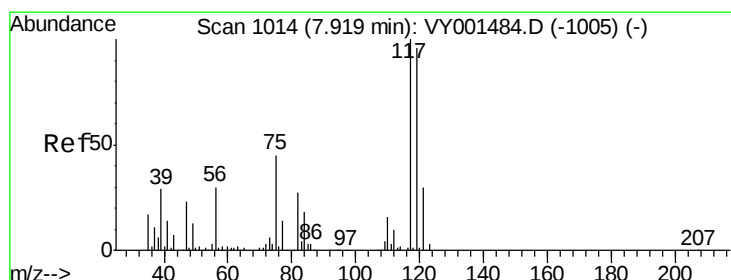
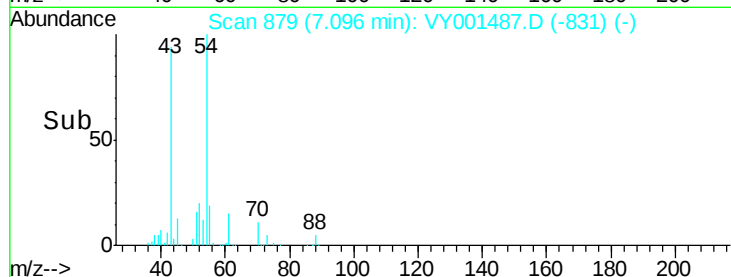
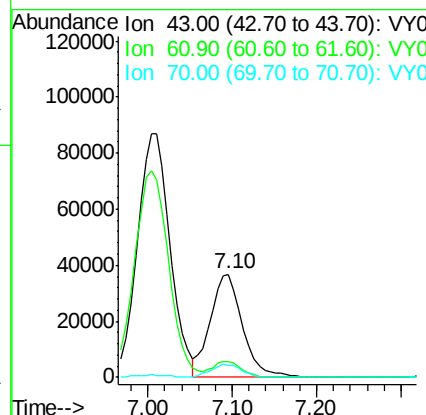
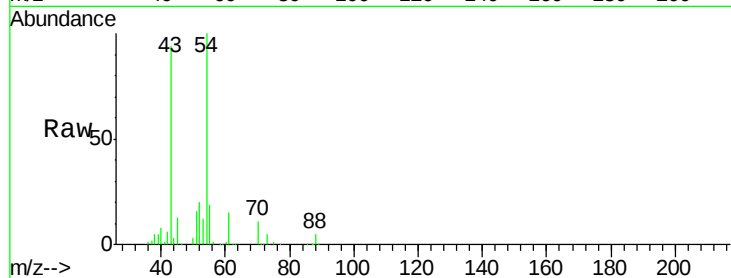
#37
Ethyl Acetate
Concen: 54.502 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.0	12.0	18.0	
70	12.2	10.2	15.4	

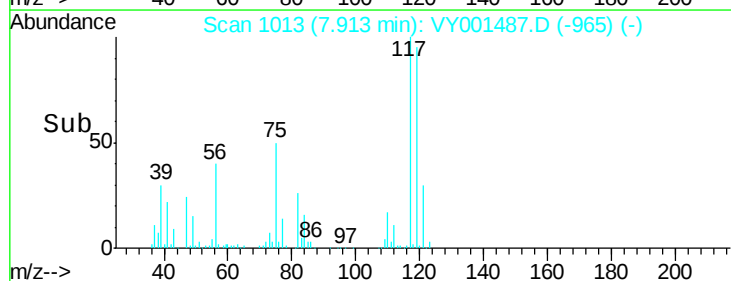
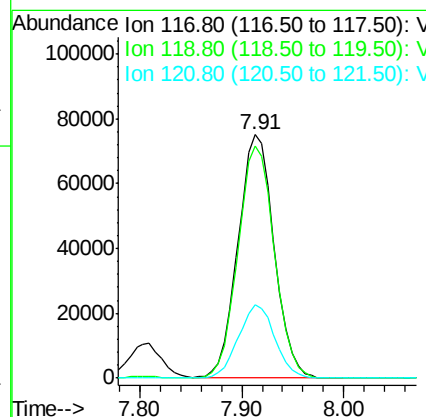
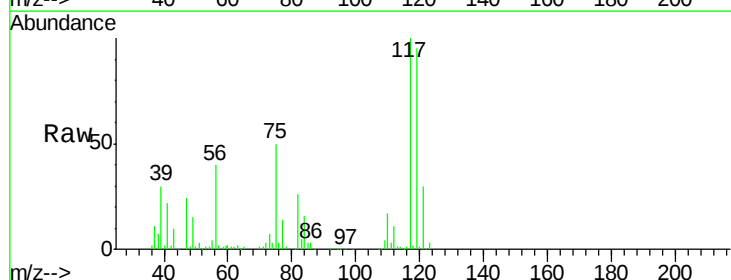
Manual Integrations
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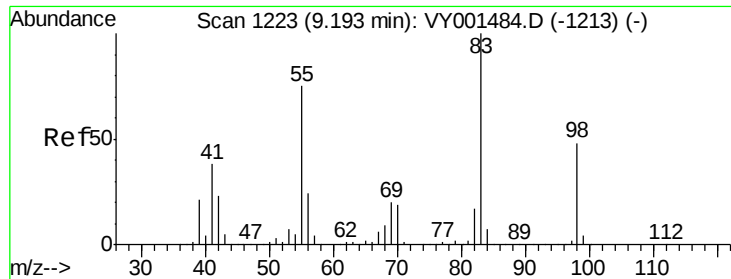
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#38
Carbon Tetrachloride
Concen: 51.535 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.3	76.4	114.6	
121	30.0	24.2	36.4	





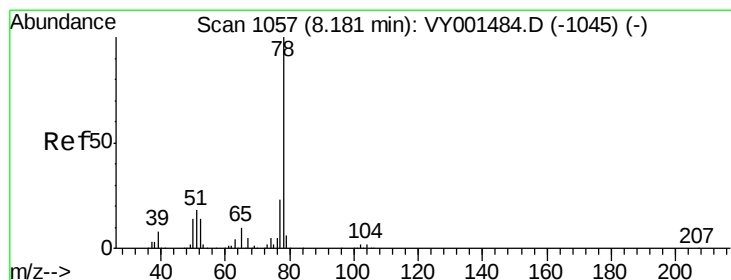
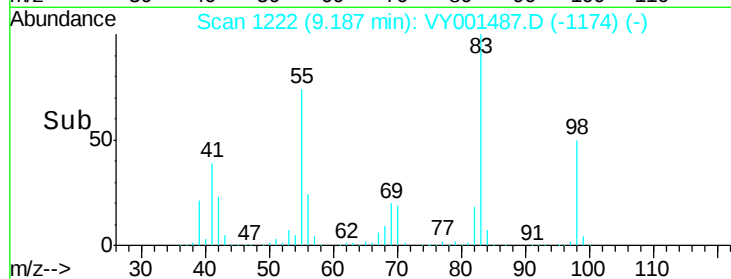
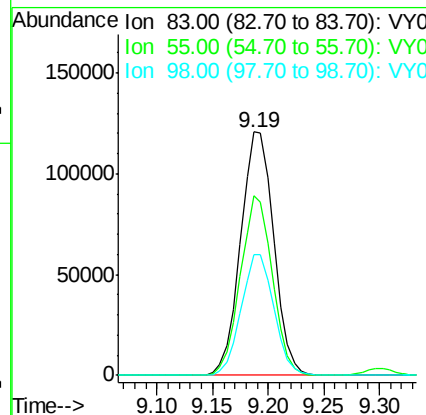
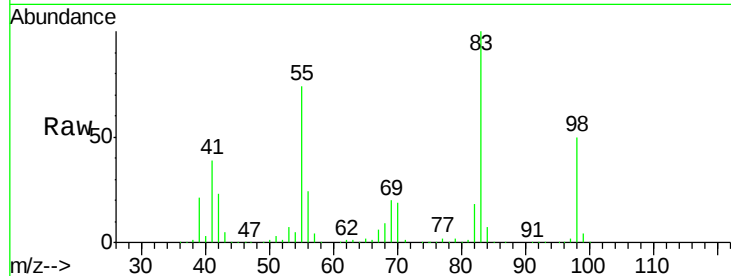
#39
Methvlcvclohexane
Concen: 51.283 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.8	89.6
98	49.7	38.6	57.8

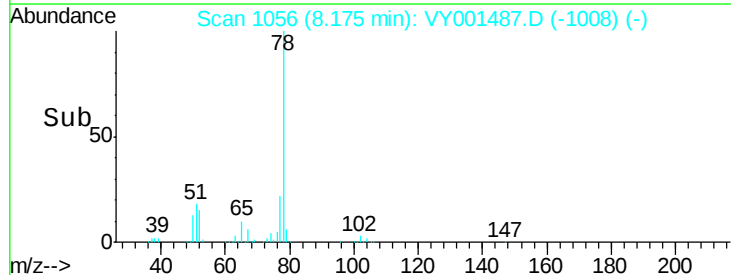
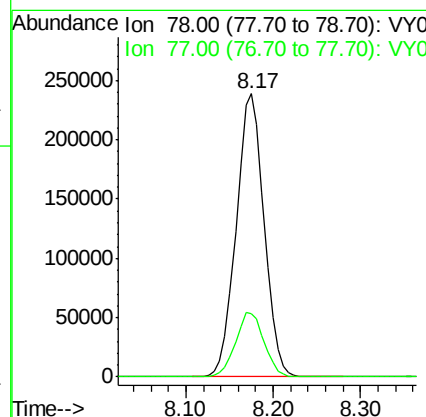
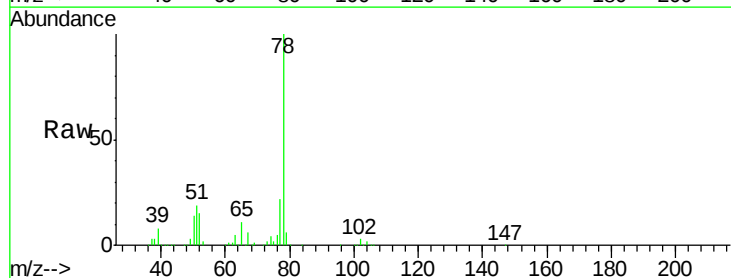
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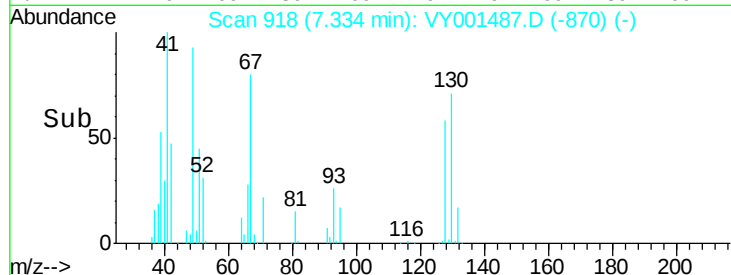
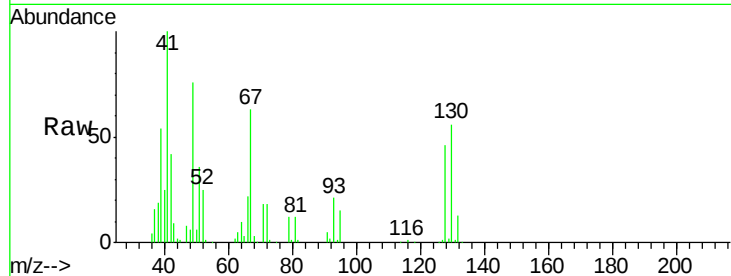
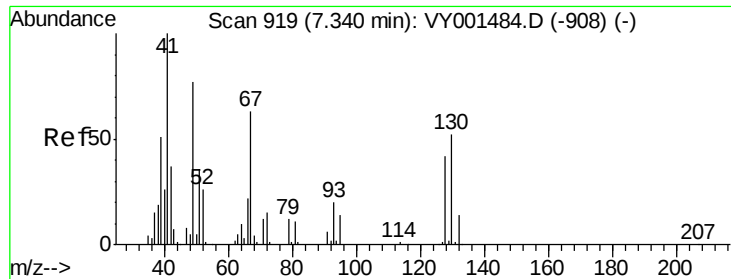
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#40
Benzene
Concen: 50.058 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7





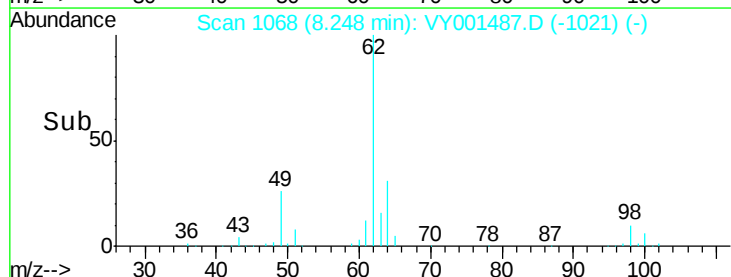
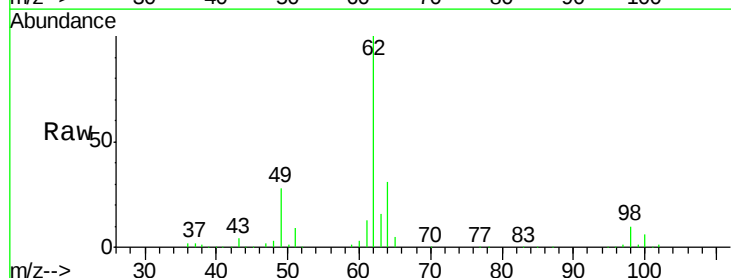
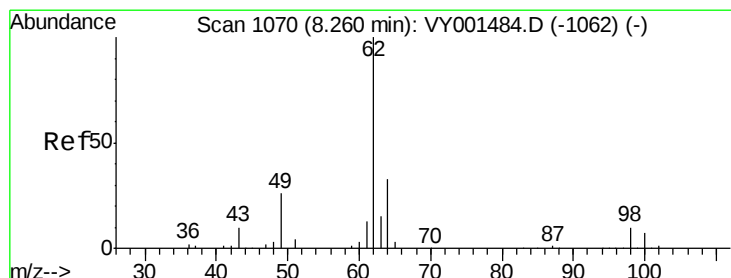
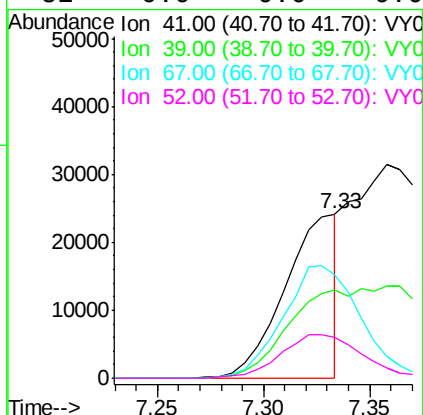
#41
Methacrylonitrile
Concen: 51.248 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tot Ion	Ratio	Resp	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	

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

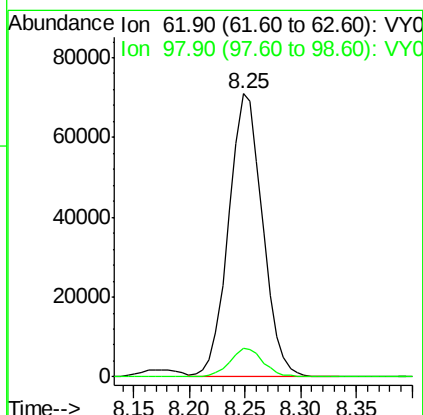
Manual Integrations
APPROVED

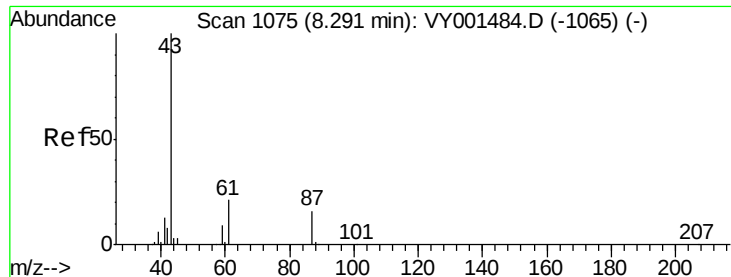
MMDadoda
2/5/2020 12:23:52 PM



#42
1,2-Dichloroethane
Concen: 51.176 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.0	0.0	21.0	





#43

Isopropyl Acetate

Concen: 53.149 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

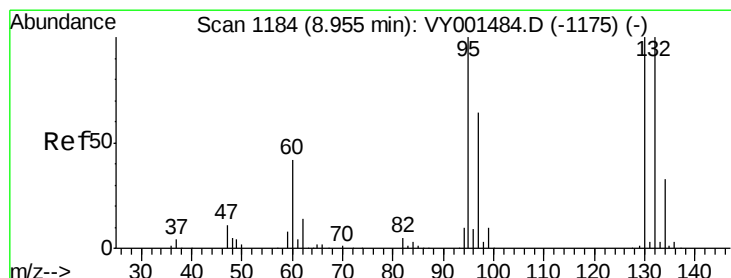
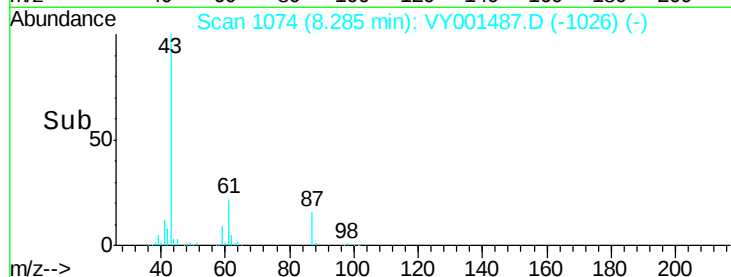
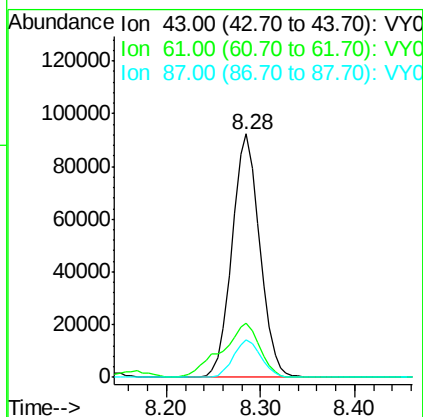
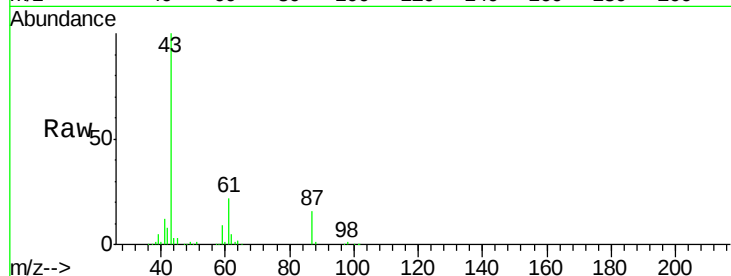
ClientSampleId :

ICVY020420

Tot Ion:	43	Resp:	188380
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.1	37.7
87	15.3	12.6	19.0

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#44

Trichloroethene

Concen: 50.526 ug/l

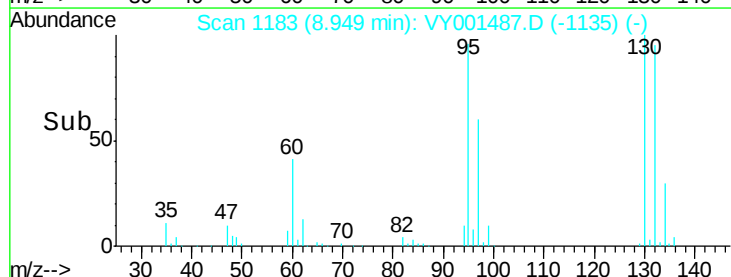
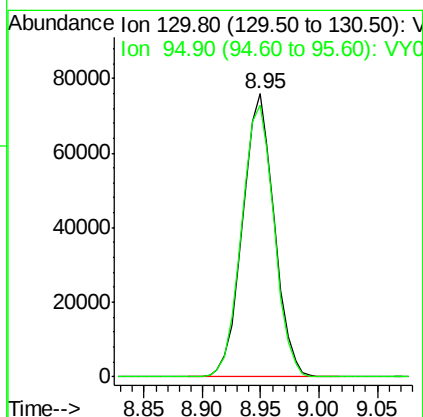
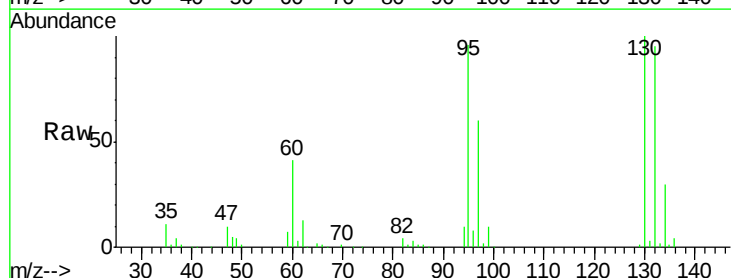
RT: 8.95 min Scan# 1183

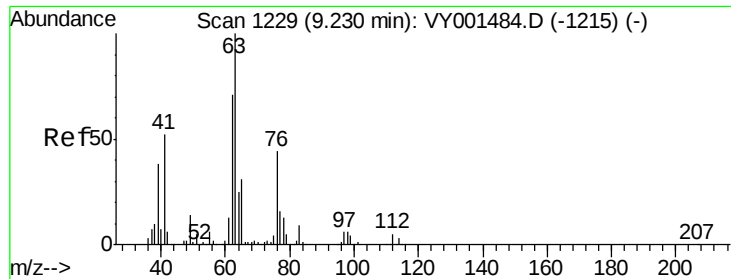
Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	130	Resp:	143649
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	199.2





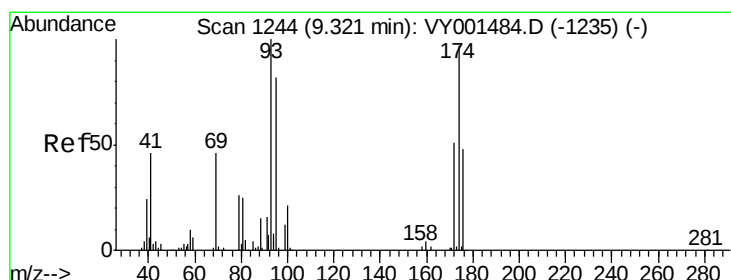
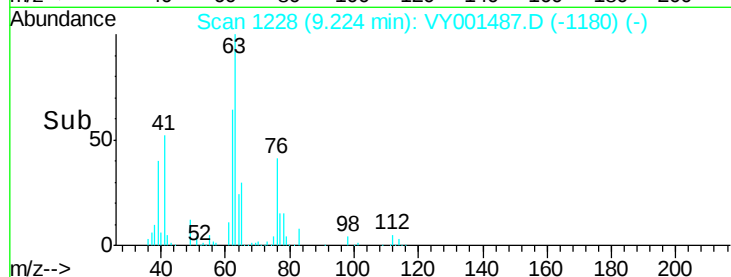
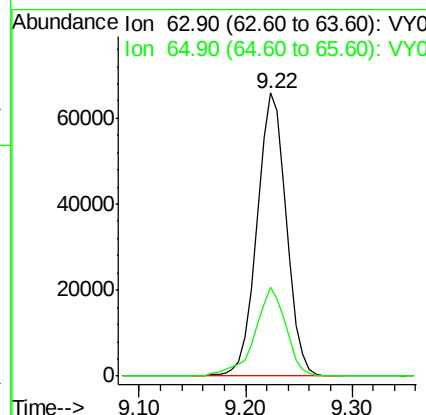
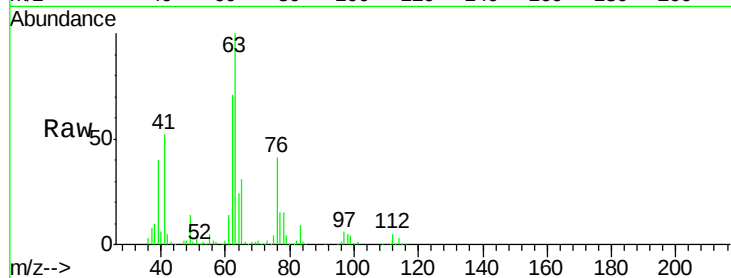
#45
 1,2-Dichloropropane
 Concen: 50.032 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4

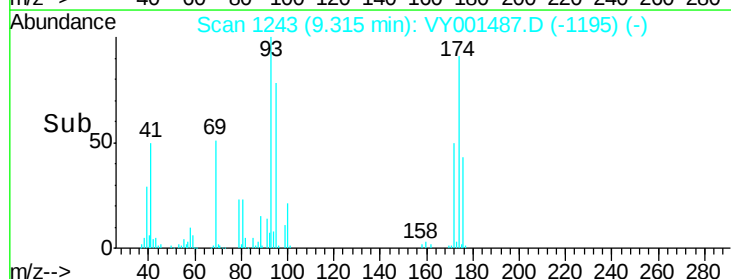
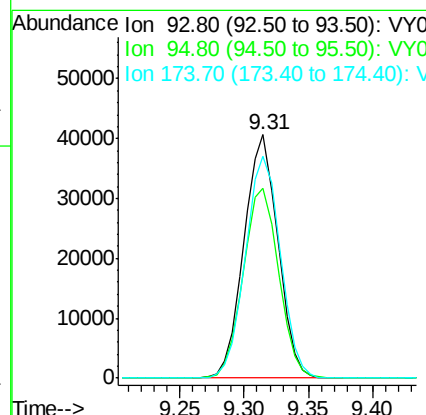
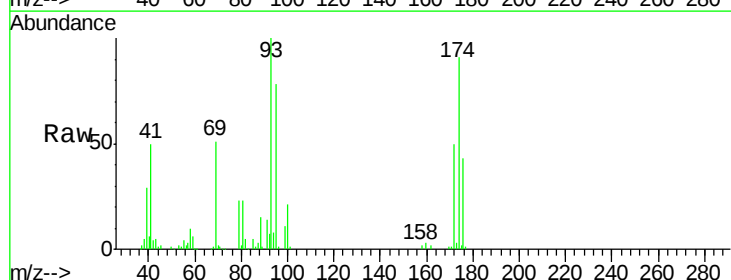
Manual Integrations
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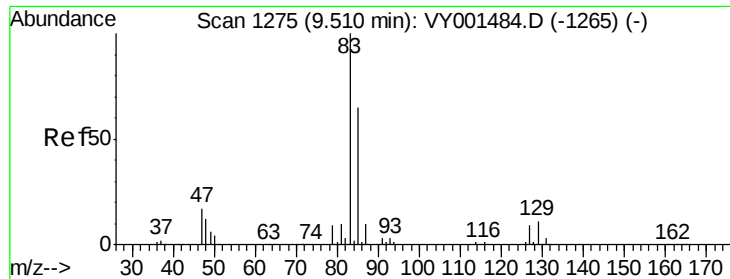
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#46
 Dibromomethane
 Concen: 51.841 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.6	99.8
174	93.9	75.4	113.2





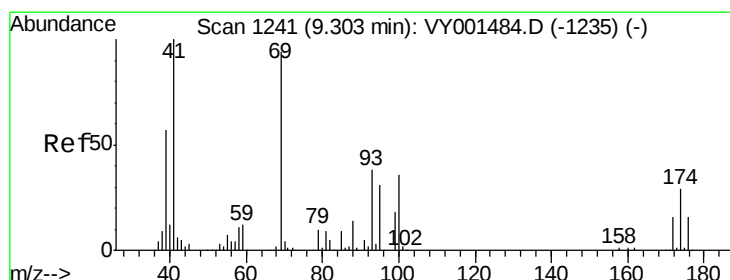
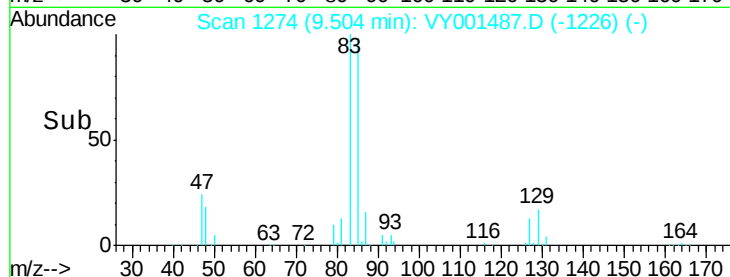
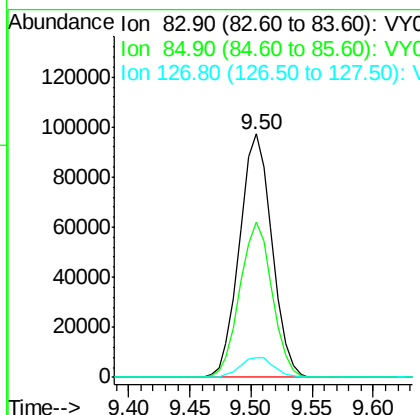
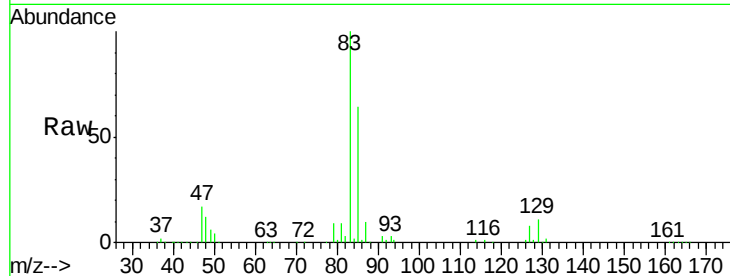
#47
Bromodichloromethane
Concen: 51.386 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Resp	Lower	Upper
83	100	179065		
85	63.7	51.9	77.9	
127	8.3	6.9	10.3	

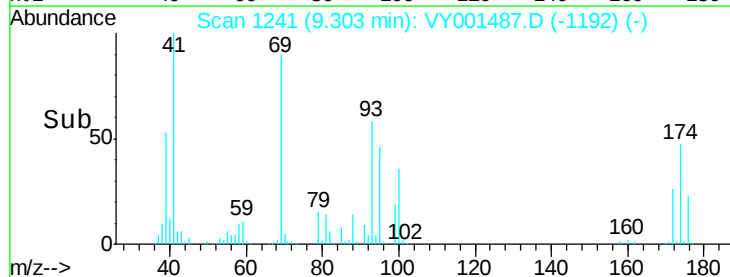
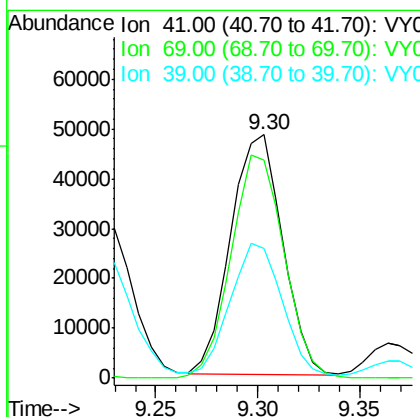
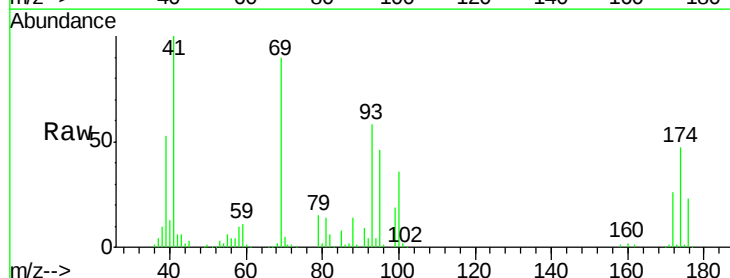
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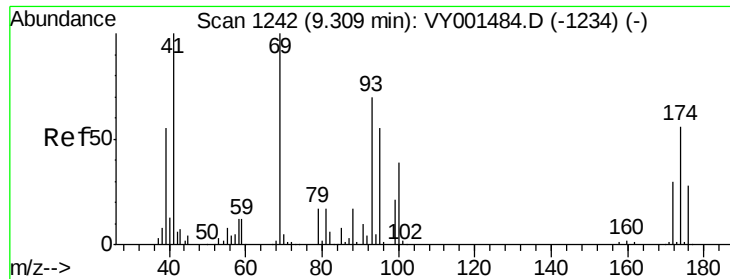
MMDadoda
2/5/2020 12:23:52 PM



#48
Methyl methacrylate
Concen: 53.024 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85298		
69	95.1	76.6	114.8	
39	57.2	45.4	68.0	





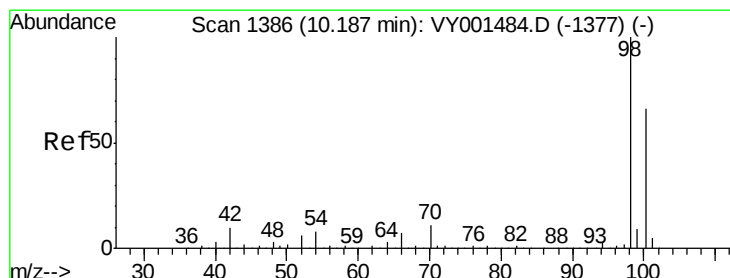
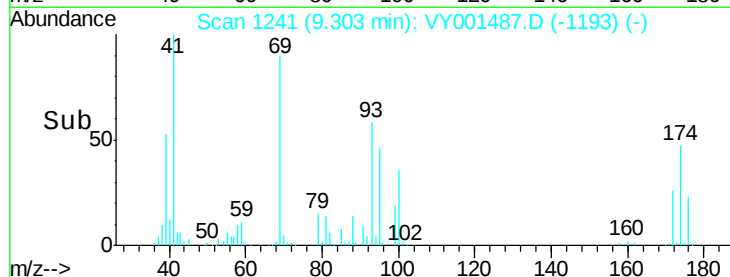
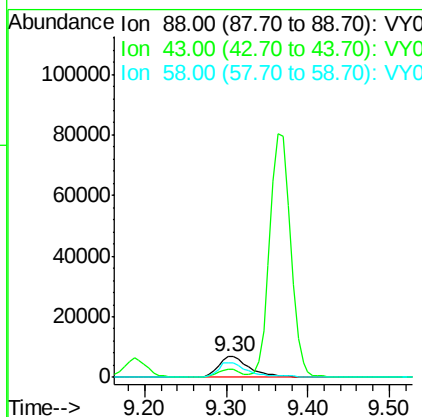
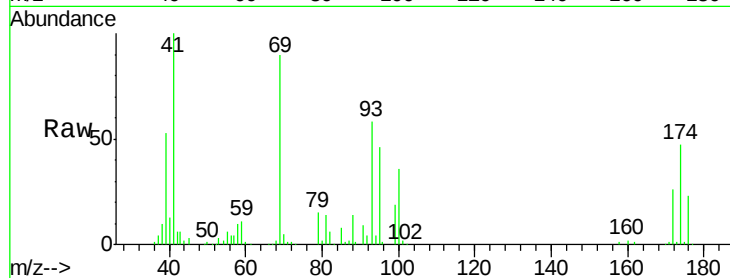
#49
 1,4-Dioxane
 Concen: 987.301 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	88	Resp	18648
Ion Ratio	Lower	Upper	
88	100		
43	28.1	24.8	37.2
58	71.2	59.3	88.9

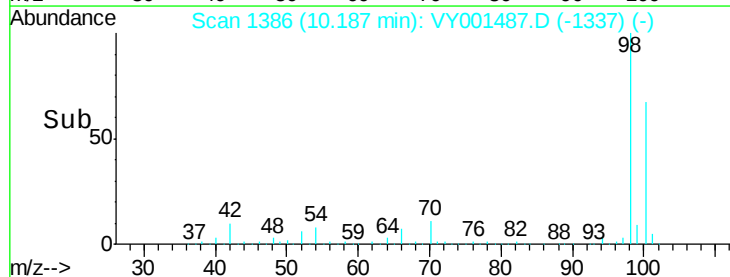
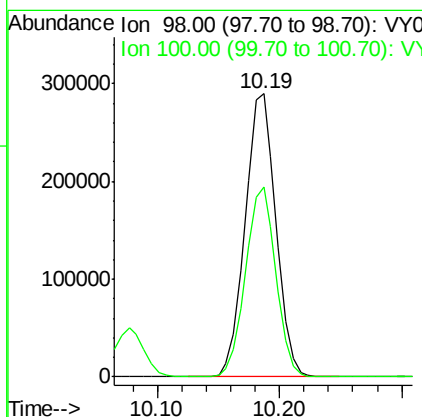
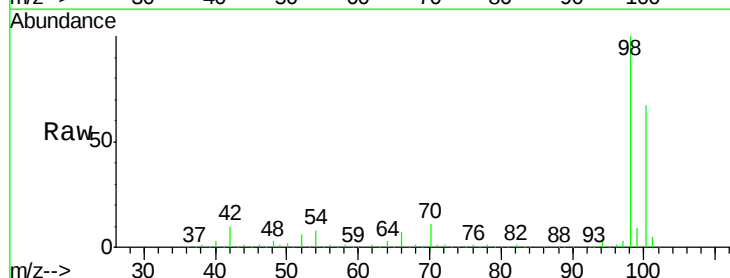
Manual Integrations
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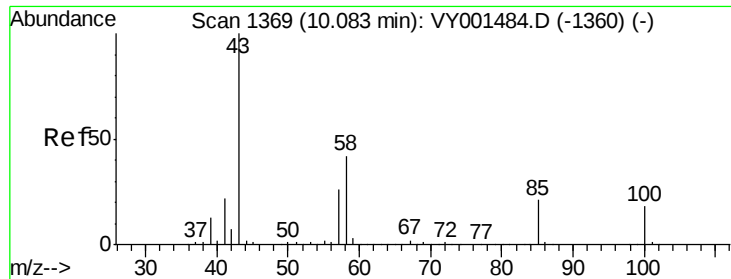
MMDadoda
 2/5/2020 12:23:52 PM



#50
 Toluene-d8
 Concen: 57.355 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	98	Resp	505814
Ion Ratio	Lower	Upper	
98	100		
100	66.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 270.659 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion: 43 Resp: 472435

Ion Ratio Lower Upper

43 100

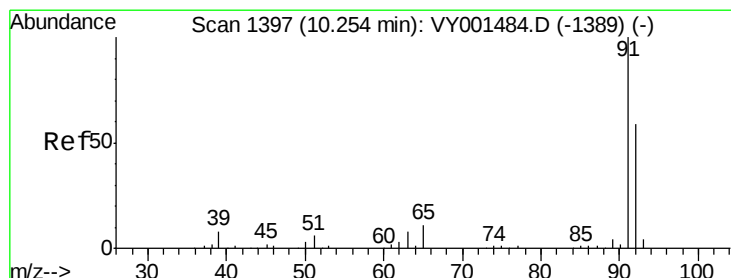
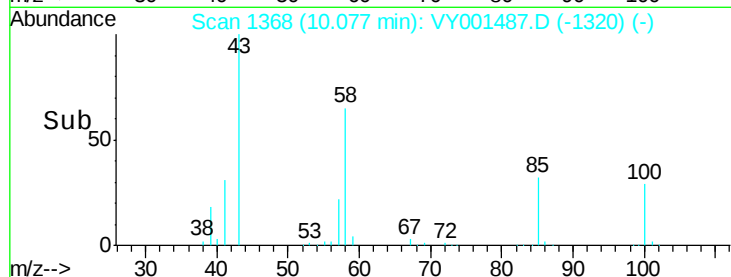
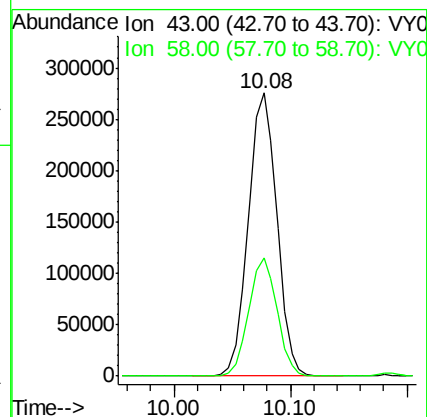
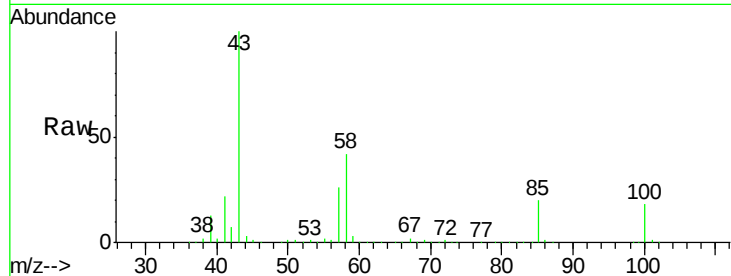
58 41.3 33.9 50.9

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 50.382 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001487.D

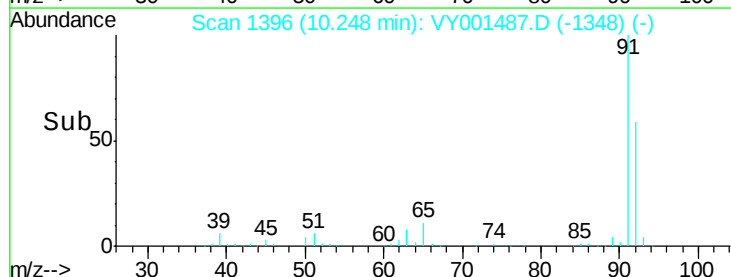
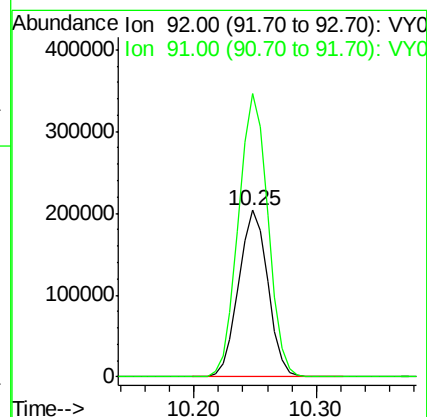
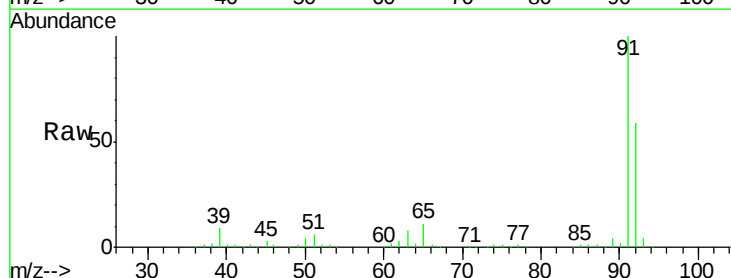
Acq: 04 Feb 2020 15:19

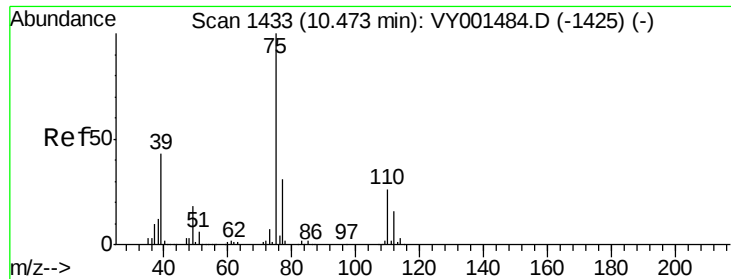
Tgt Ion: 92 Resp: 337182

Ion Ratio Lower Upper

92 100

91 170.5 136.6 204.8





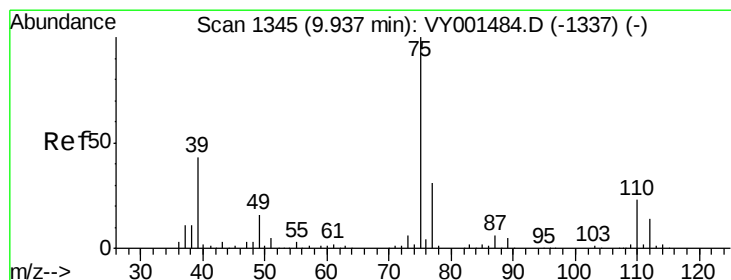
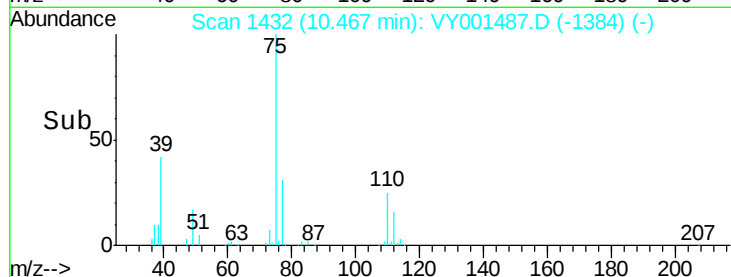
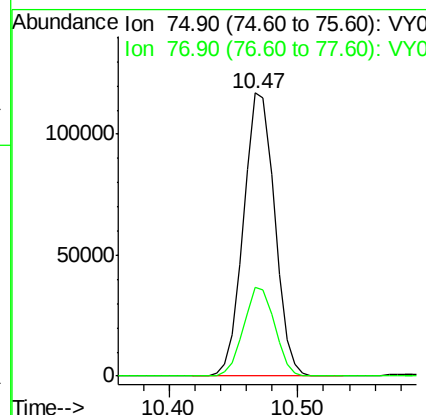
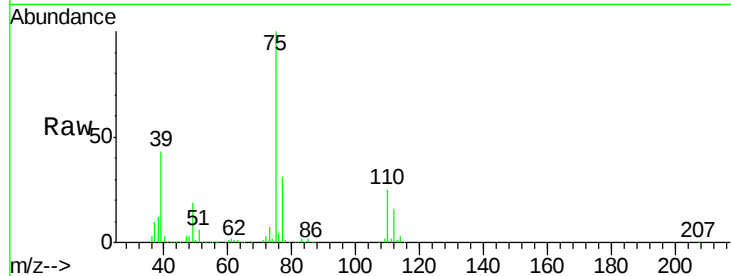
#53
 t-1,3-Dichloropropene
 Concen: 51.448 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampled :
 ICVVY020420

Tot Ion: 75 Resp: 195268
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3

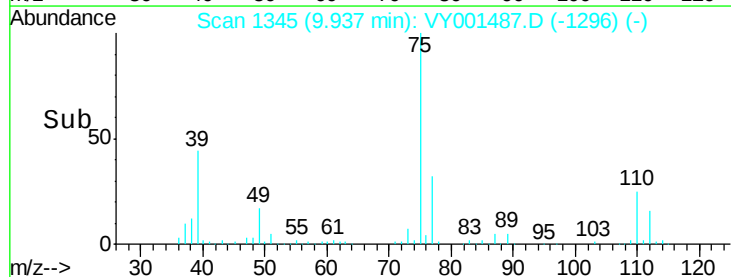
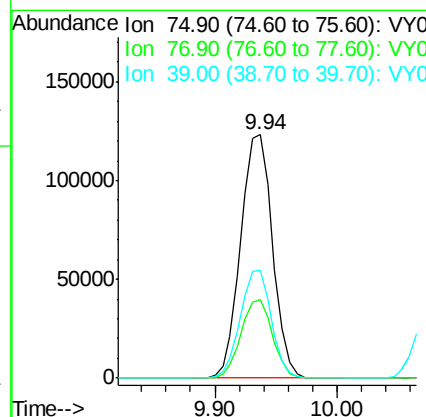
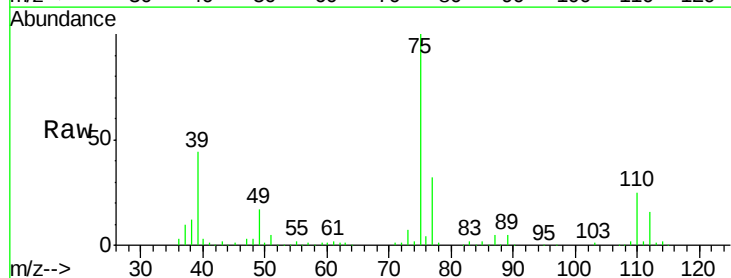
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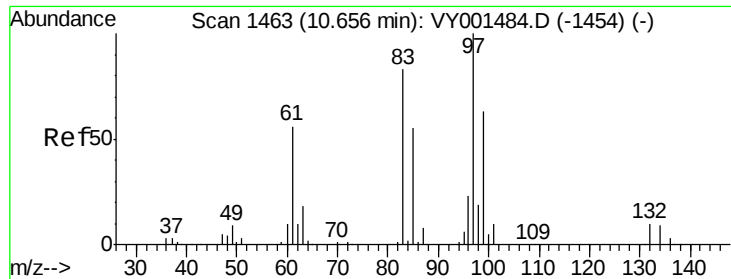
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 2/5/2020 12:23:52 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.923 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion: 75 Resp: 221890
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.7 37.1
 39 44.3 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 51.316 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

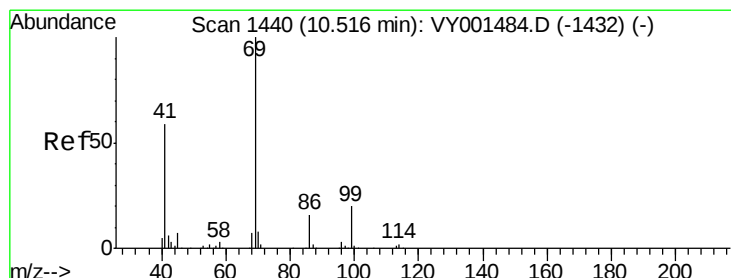
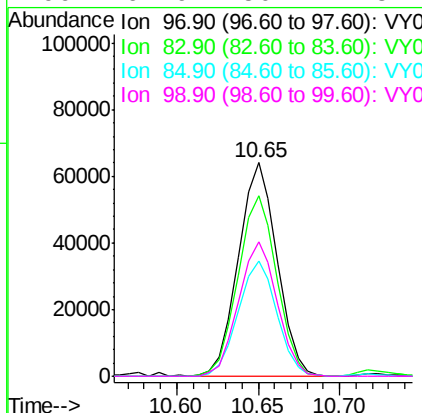
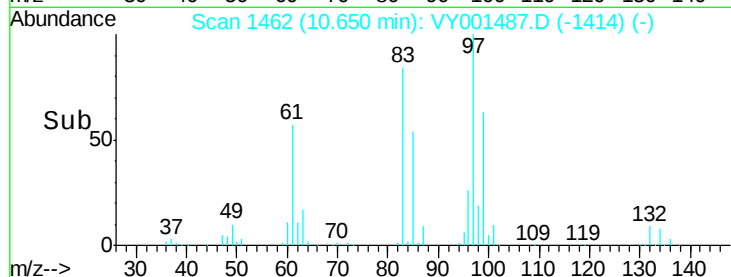
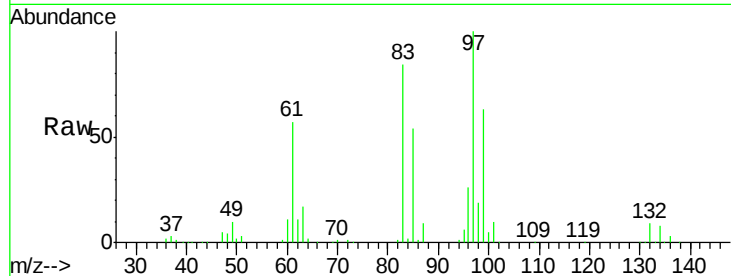
ClientSampleId :

ICVY020420

Tot Ion:	97	Resp:	105298
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.2	99.2
85	53.9	43.8	65.6
99	62.9	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.354 ug/l

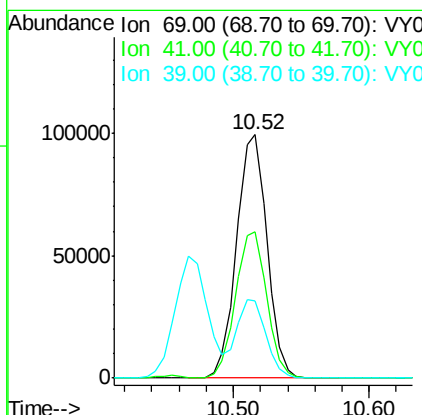
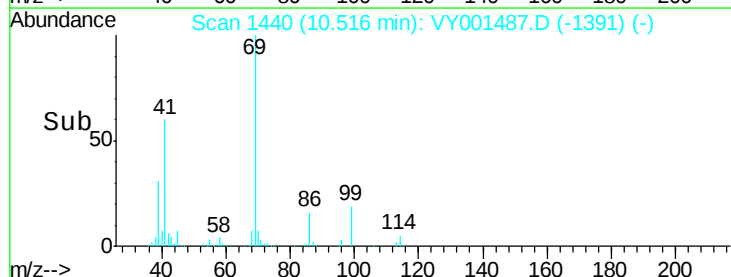
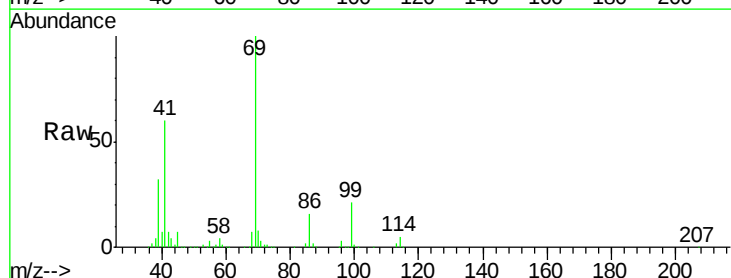
RT: 10.52 min Scan# 1440

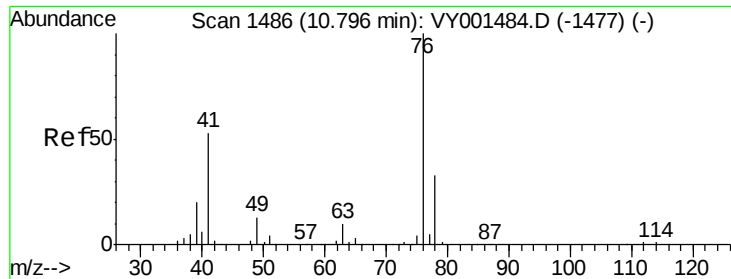
Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	69	Resp:	155717
Ion	Ratio	Lower	Upper
69	100		
41	60.9	47.8	71.8
39	31.4	24.4	36.6





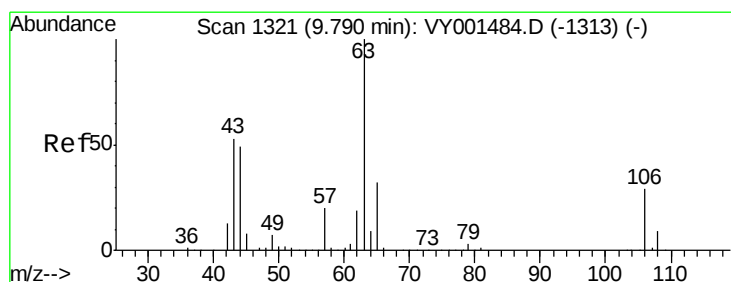
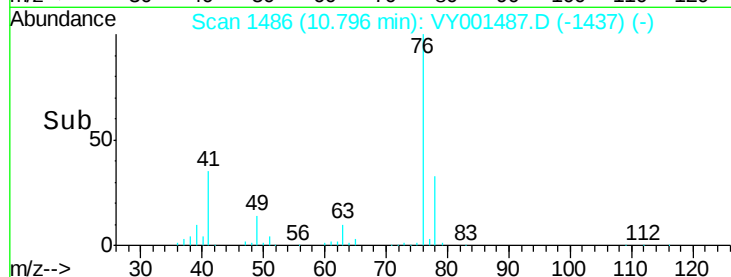
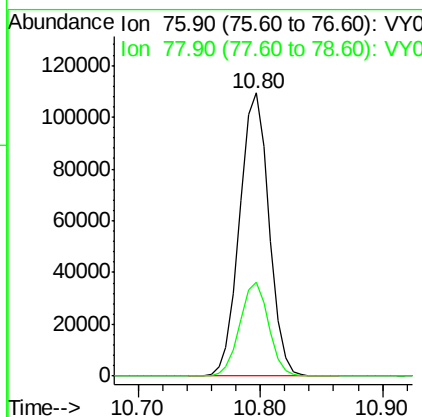
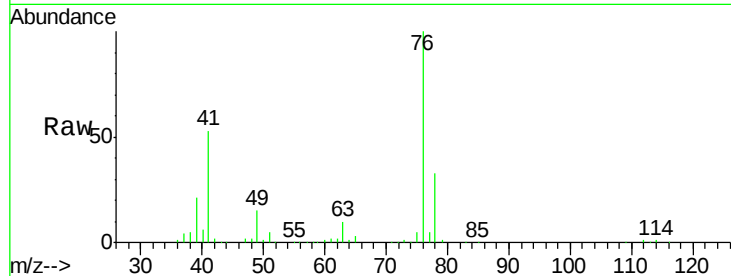
#57
 1,3-Dichloropropane
 Concen: 50.279 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion: 76 Resp: 181868
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

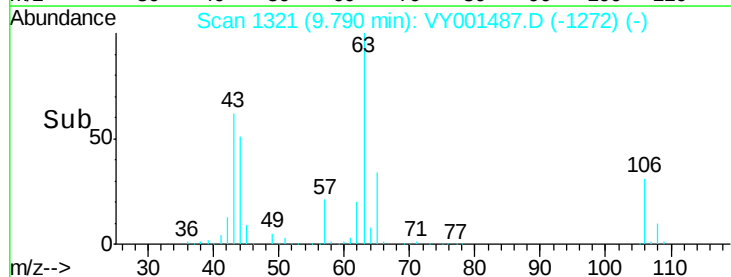
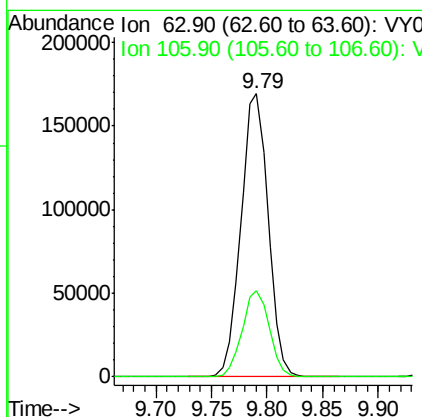
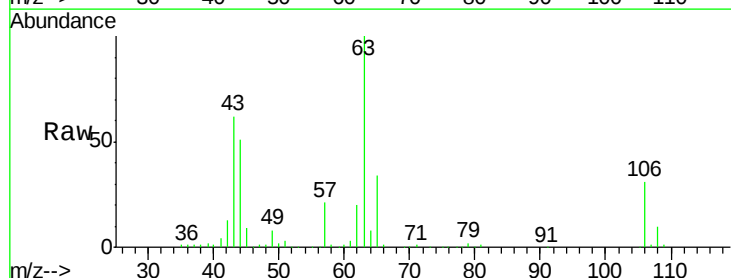
Manual Integrations
 APPROVED

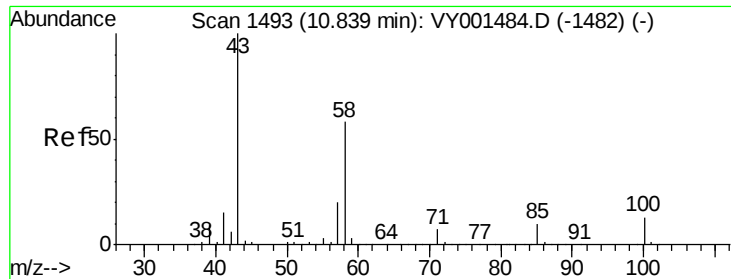
MMDadoda
 2/5/2020 12:23:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.744 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion: 63 Resp: 287470
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.0 36.0





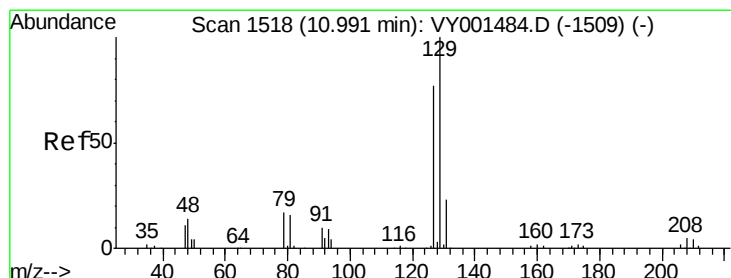
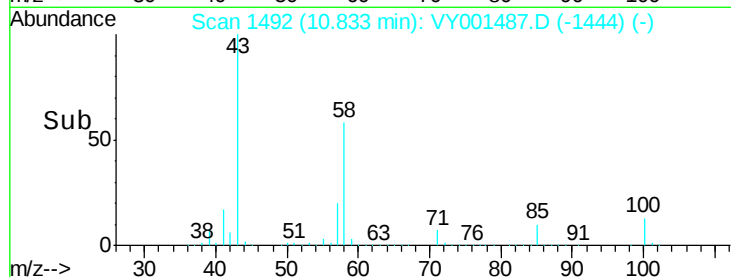
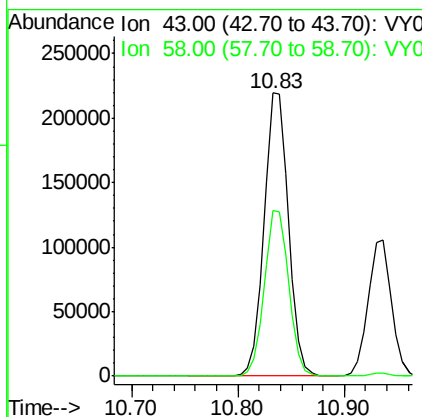
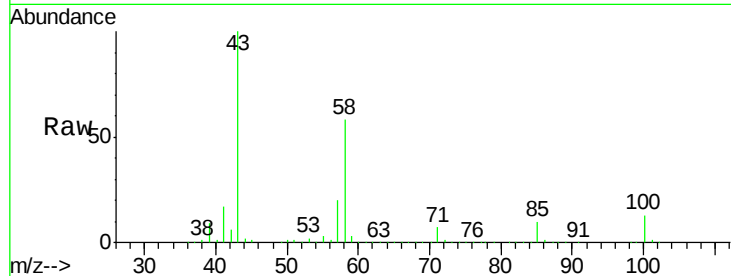
#59
2-Hexanone
Concen: 277.470 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	43	58	Resp	Lower	Upper
352146	100	58.7	29.0	87.0	

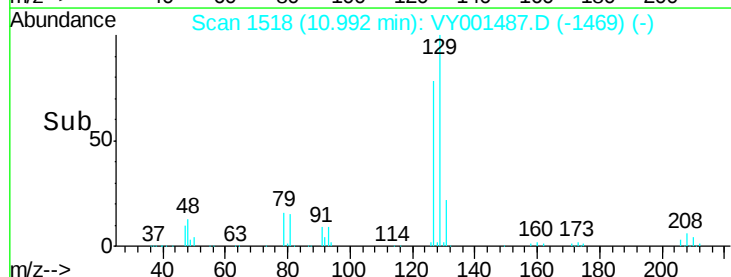
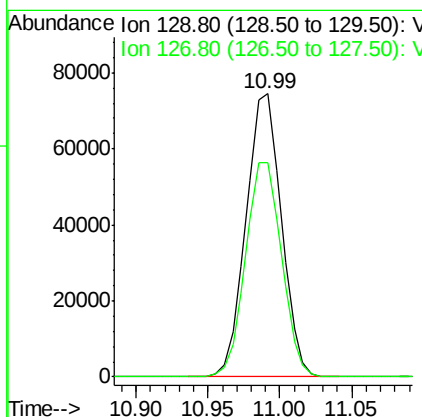
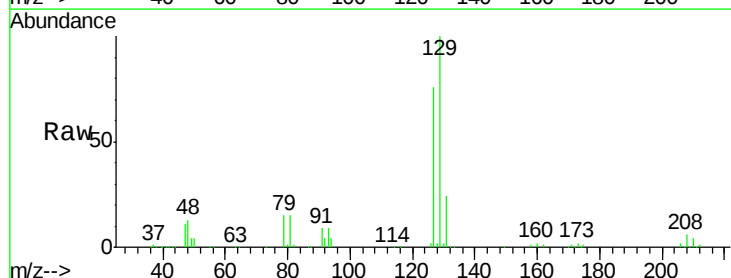
Manual Integrations
APPROVED

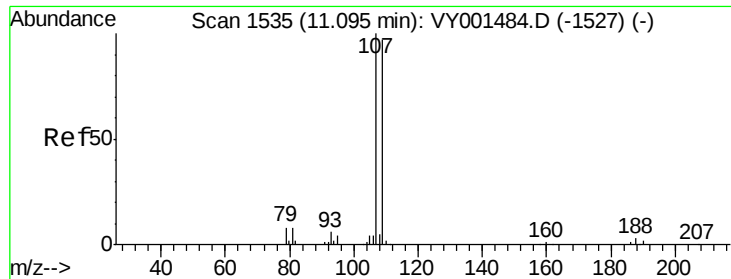
MMDadoda
2/5/2020 12:23:52 PM



#60
Dibromochloromethane
Concen: 52.349 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	129	127	Resp	Lower	Upper
126620	100	77.0	38.9	116.6	





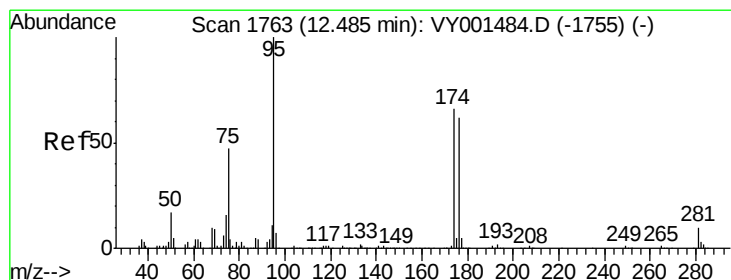
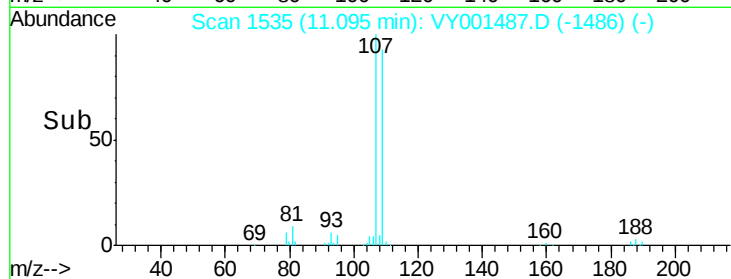
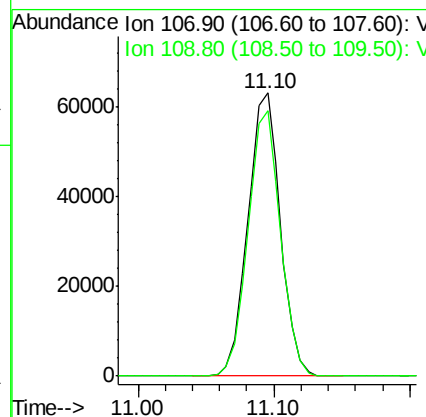
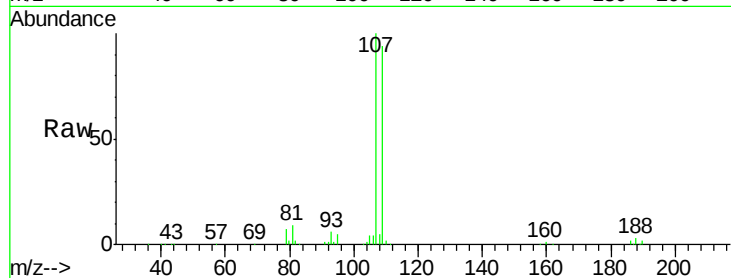
#61
 1,2-Dibromoethane
 Concen: 52.044 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	Ratio	Resp	Lower	Upper
107	100	105186		
109	93.6	76.2	114.2	

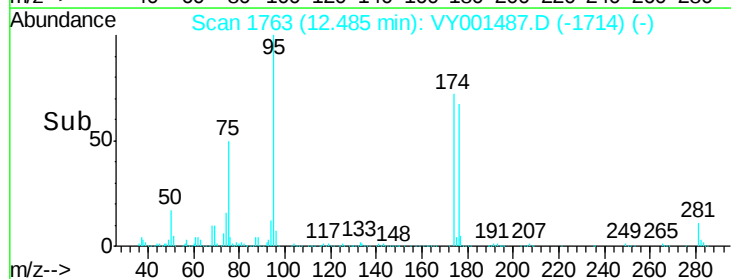
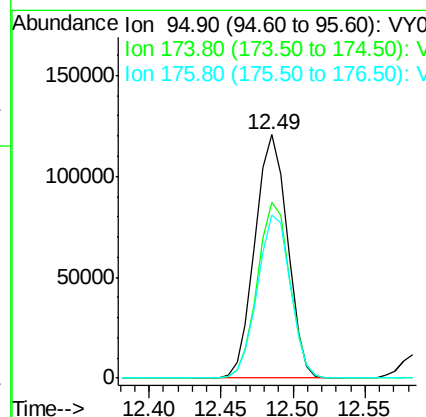
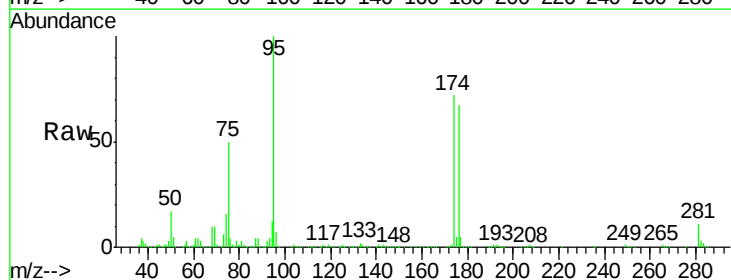
Manual Integrations
 APPROVED

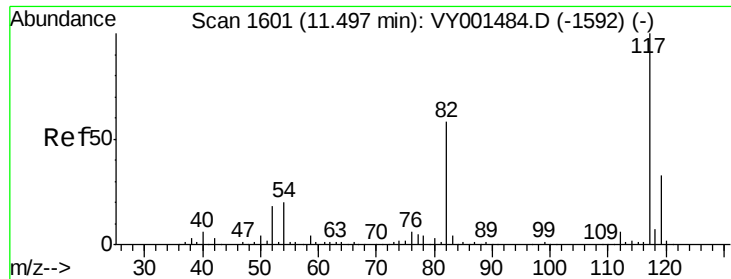
MMDadoda
 2/5/2020 12:23:52 PM



#62
 4-Bromofluorobenzene
 Concen: 54.259 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	188507		
174	72.0	0.0	141.4	
176	67.8	0.0	135.4	





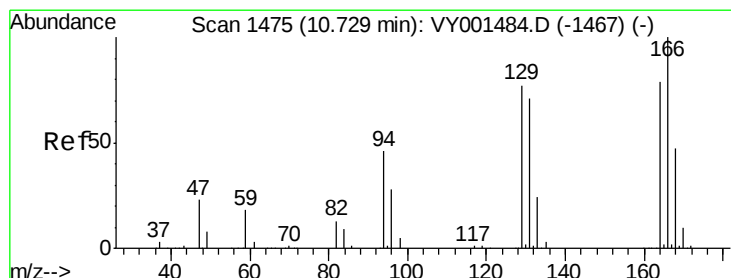
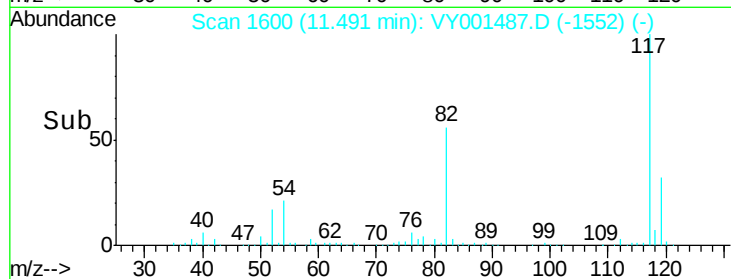
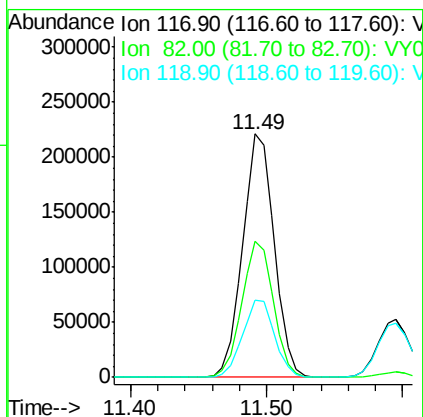
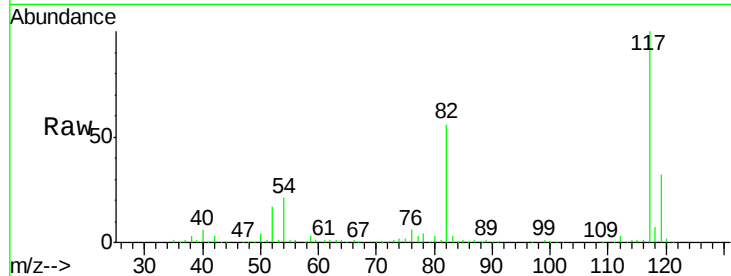
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020420

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.1	69.1
119	31.8	26.1	39.1

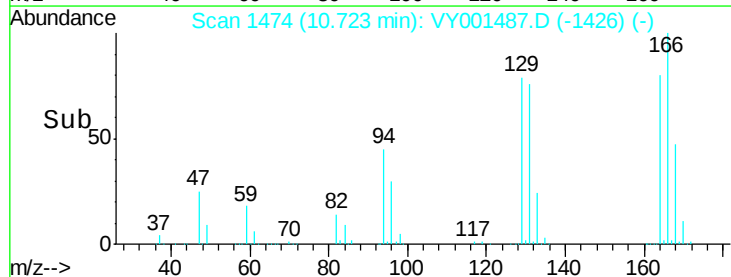
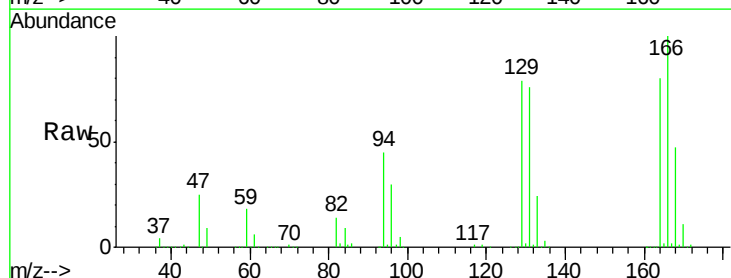
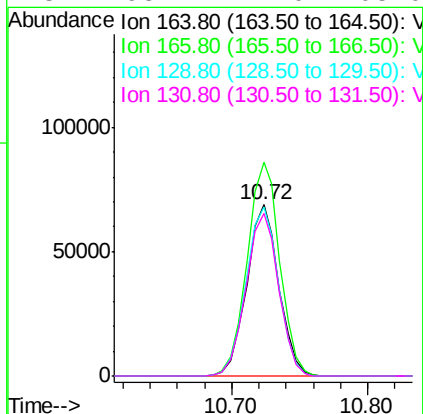
Manual Integrations
APPROVED

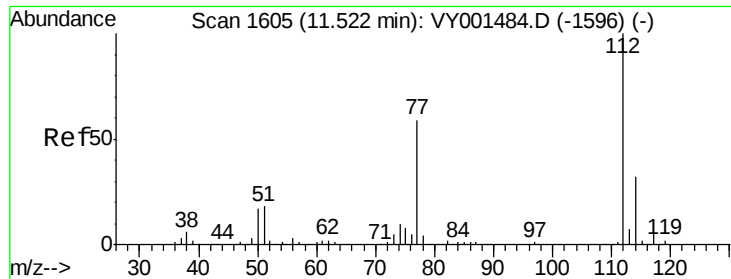
MMDadoda
2/5/2020 12:23:52 PM



#64
Tetrachloroethene
Concen: 48.253 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.8	151.2
129	99.0	77.8	116.6
131	95.1	72.0	108.0





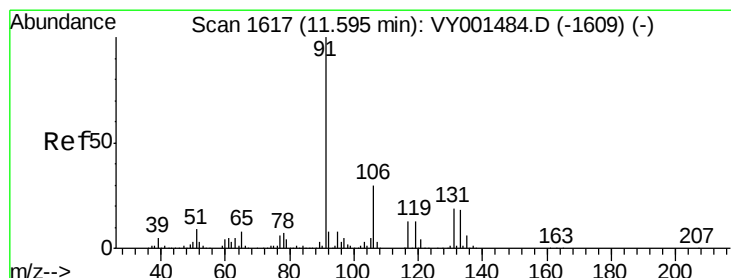
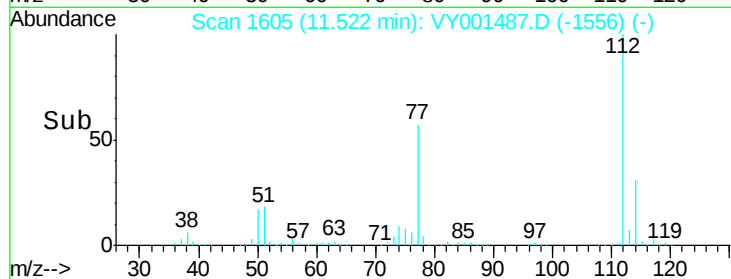
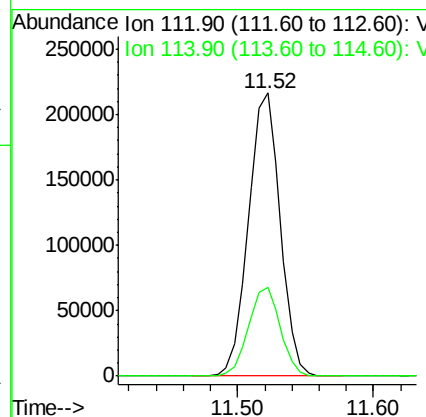
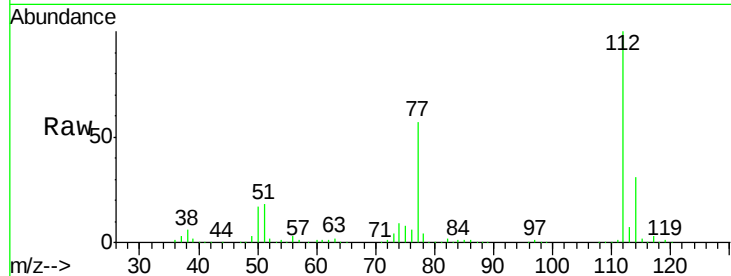
#65
Chlorobenzene
Concen: 50.085 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion:112 Resp: 352397
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

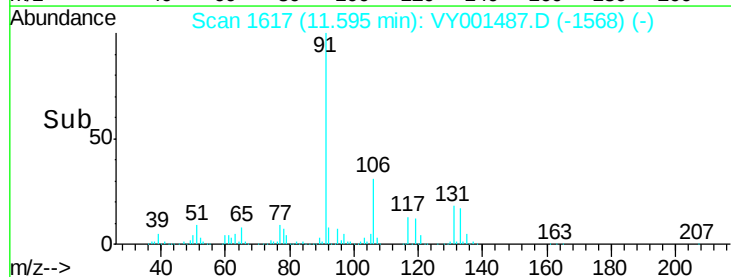
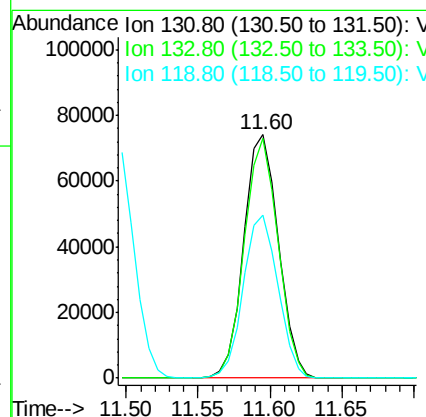
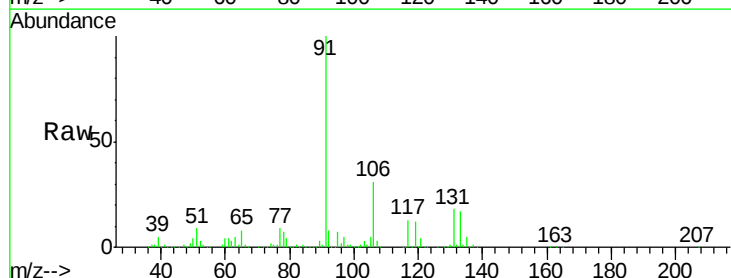
Manual Integrations
APPROVED

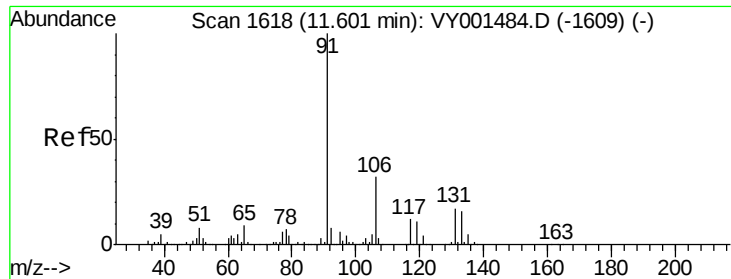
MMDadoda
2/5/2020 12:23:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.331 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion:131 Resp: 123943
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 66.9 33.7 101.0





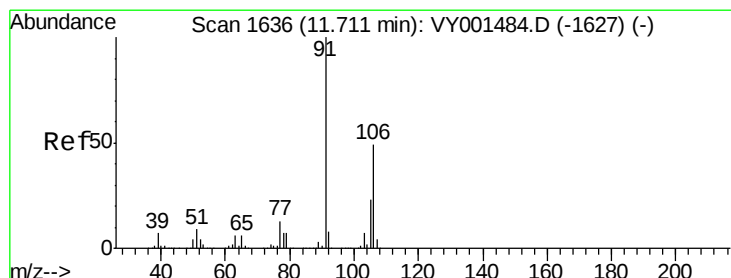
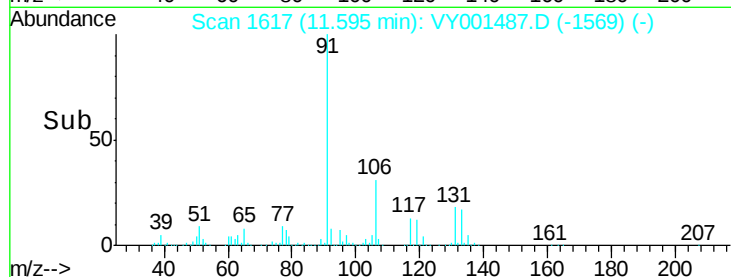
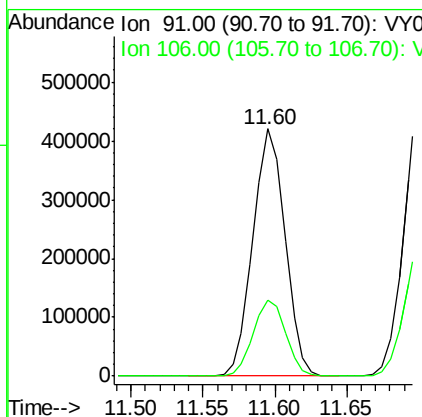
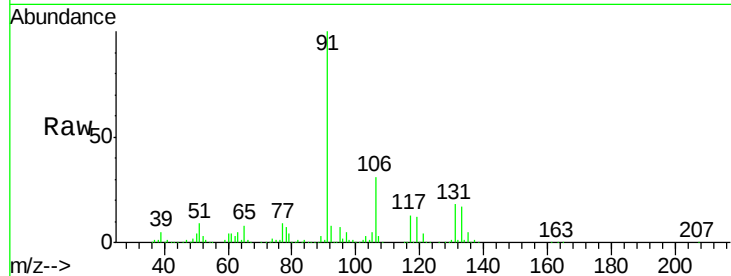
#67
Ethyl Benzene
Concen: 49.947 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampled :
ICVY020420

Tot Ion	91	Resp	649782
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.3	37.9

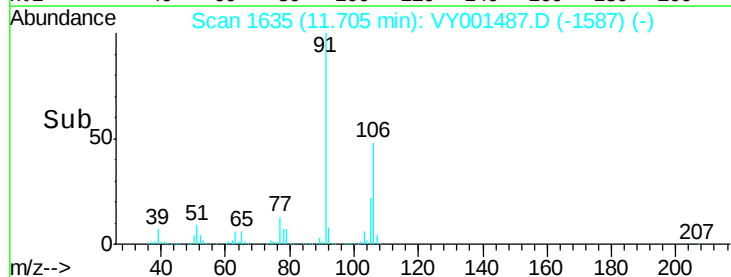
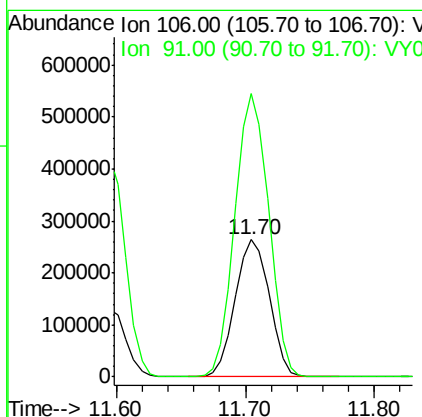
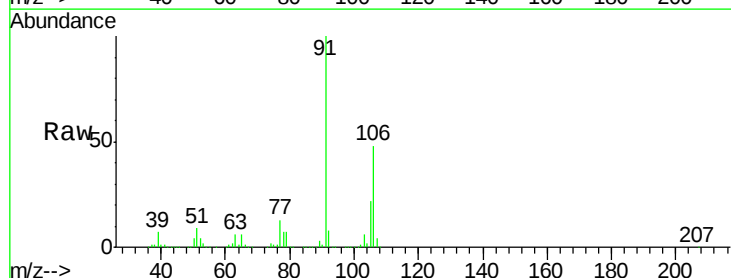
Manual Integrations
APPROVED

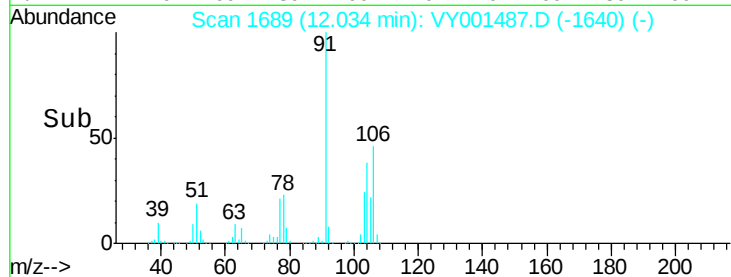
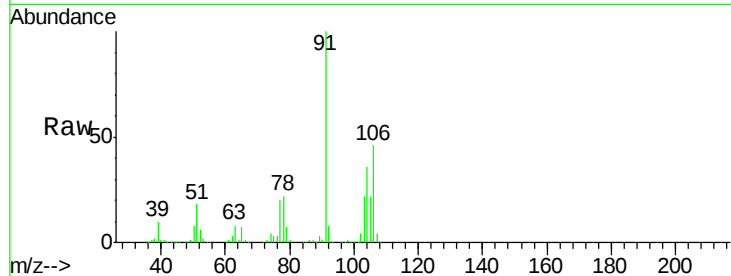
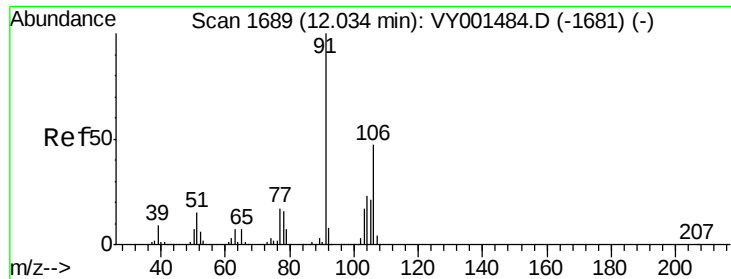
MMDadoda
2/5/2020 12:23:52 PM



#68
m/p-Xylenes
Concen: 99.514 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	106	Resp	486007
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	204.8	163.6	245.4





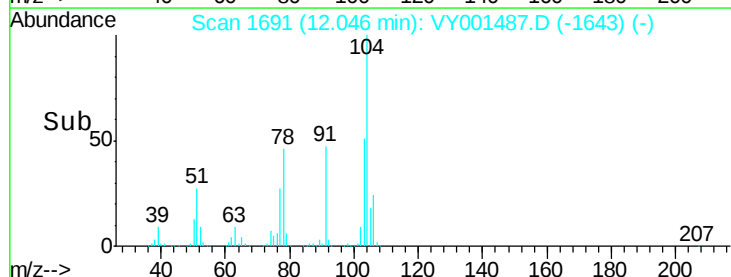
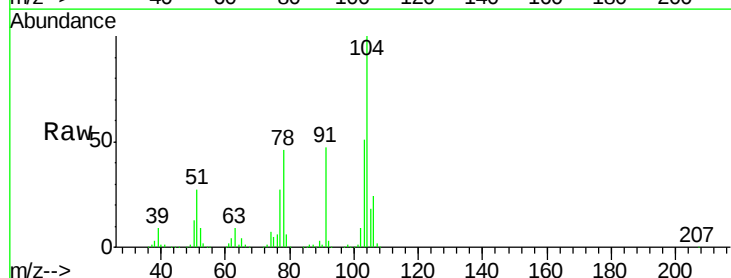
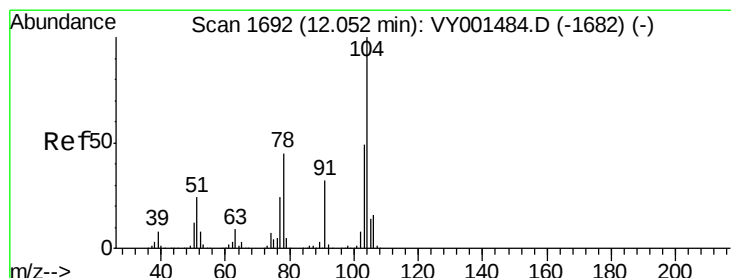
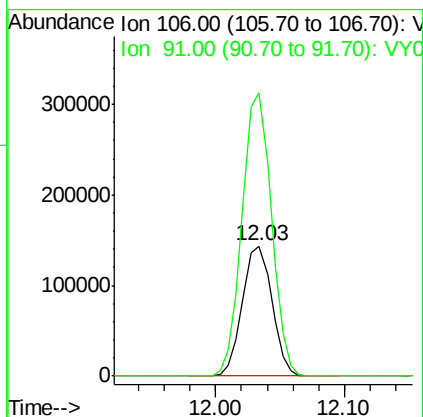
#69
o-Xylene
Concen: 49.813 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	229377		
91	215.3	106.0	318.0	

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

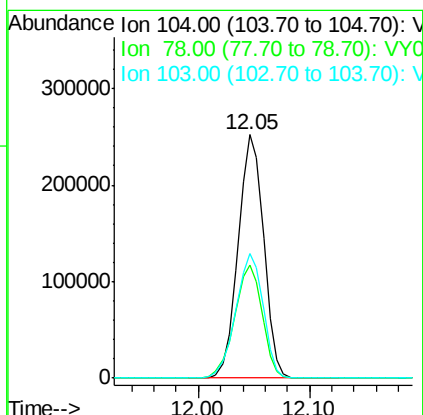
Manual Integrations
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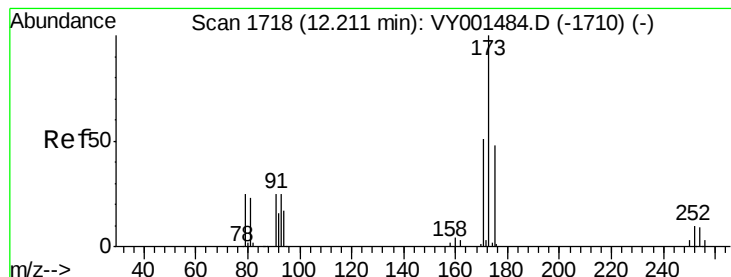
MMDadoda
2/5/2020 12:23:52 PM



#70
Styrene
Concen: 50.188 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	399644		
78	50.3	40.4	60.6	
103	54.7	42.8	64.2	





#71

Bromoform

Concen: 53.884 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY020420

Tot Ion:173 Resp: 73887

Ion Ratio Lower Upper

173 100

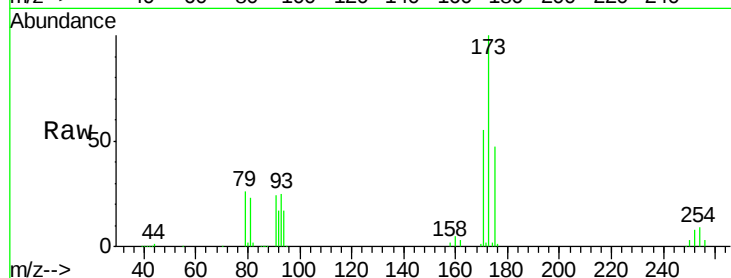
175 47.9 24.0 72.0

254 0.0 0.1 0.1#

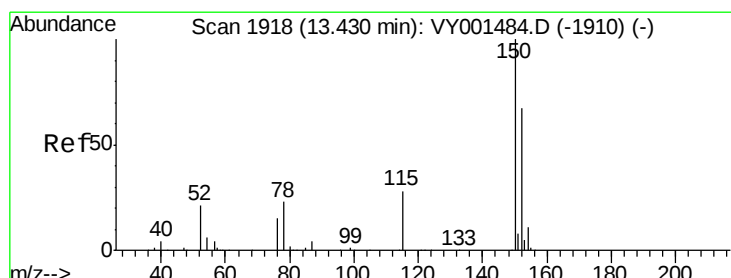
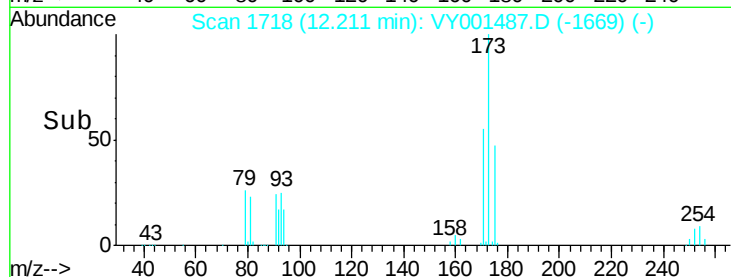
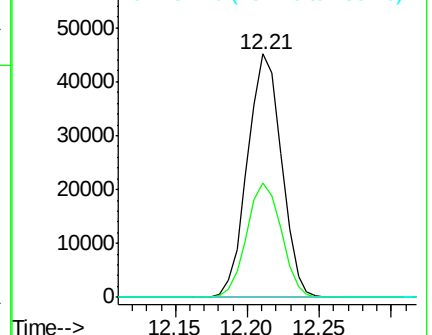
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

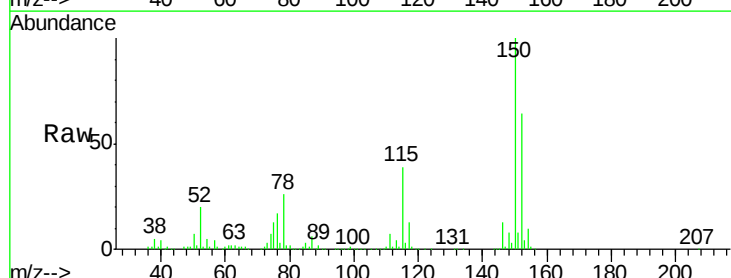
Tgt Ion:152 Resp: 165577

Ion Ratio Lower Upper

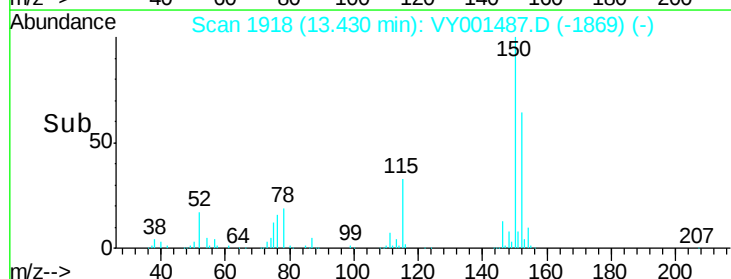
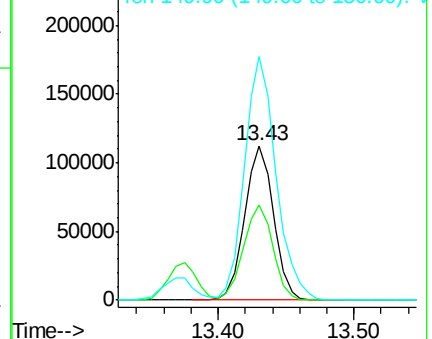
152 100

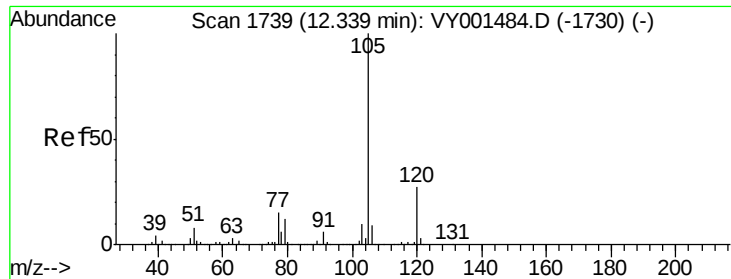
115 62.8 31.4 94.3

150 173.4 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





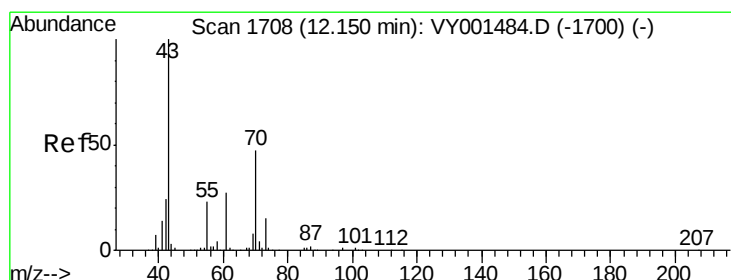
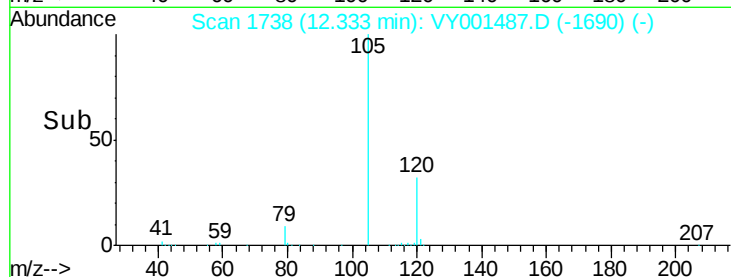
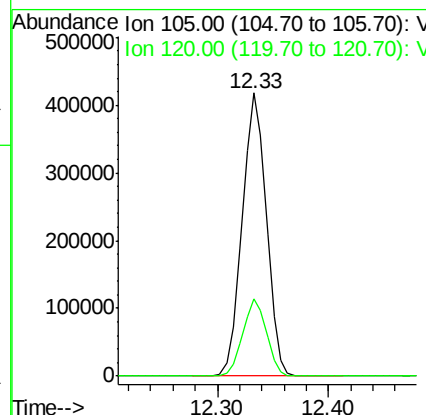
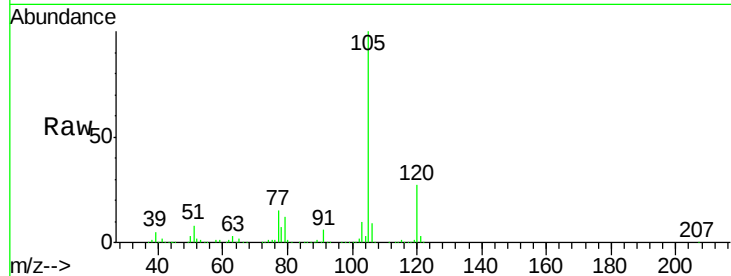
#73
Isopropylbenzene
Concen: 49.697 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

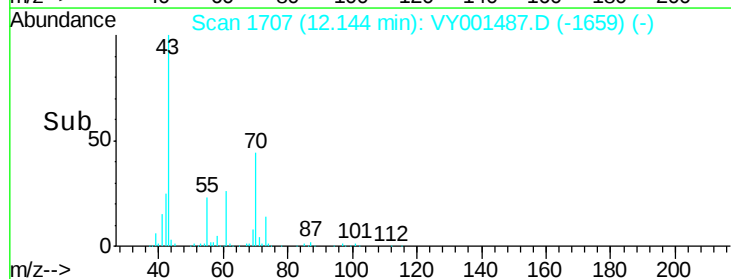
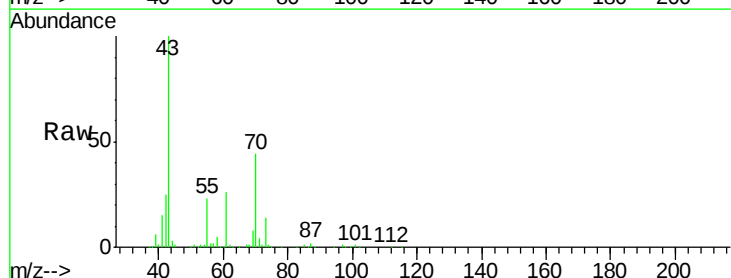
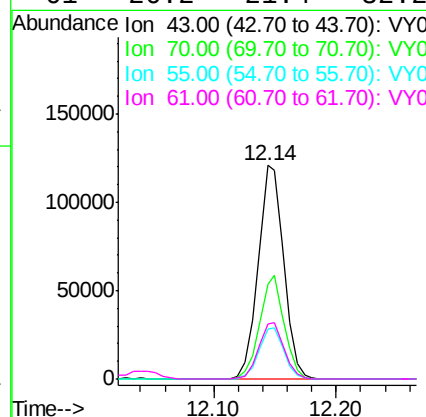
Manual Integrations
APPROVED

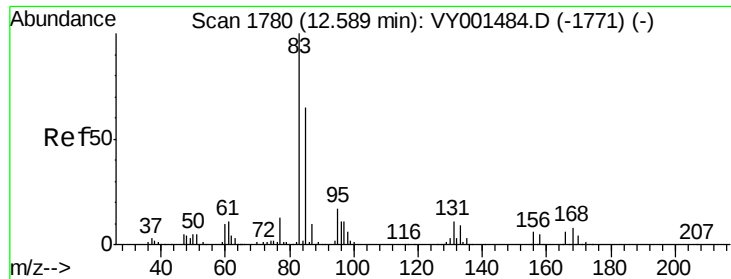
MMDadoda
2/5/2020 12:23:52 PM



#74
N-ethyl acetate
Concen: 53.833 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	37.2	55.8
55	23.6	18.8	28.2
61	26.2	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.031 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

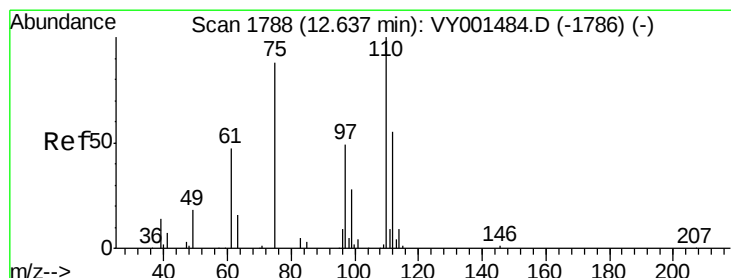
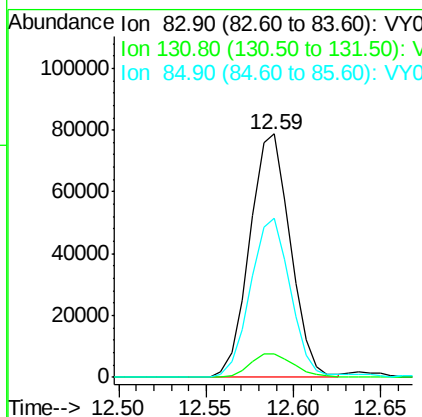
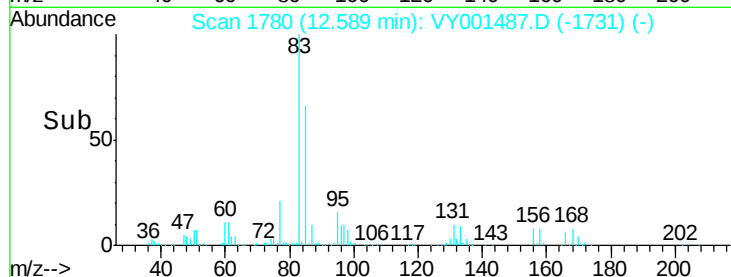
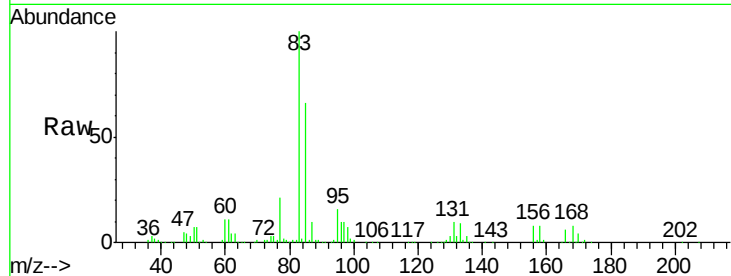
ClientSampleId :

ICVY020420

Tot Ion:	83	Resp:	127235
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 49.381 ug/l m

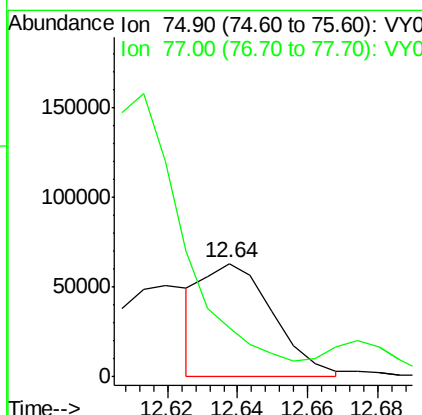
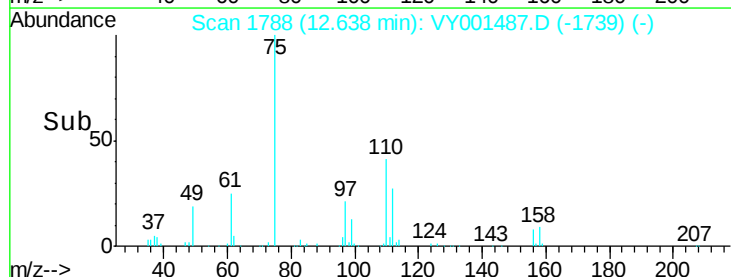
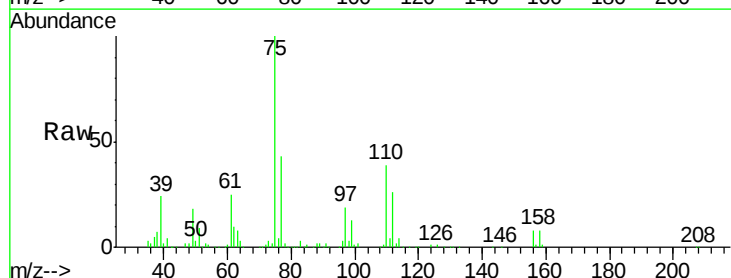
RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	75	Resp:	87929
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.190 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

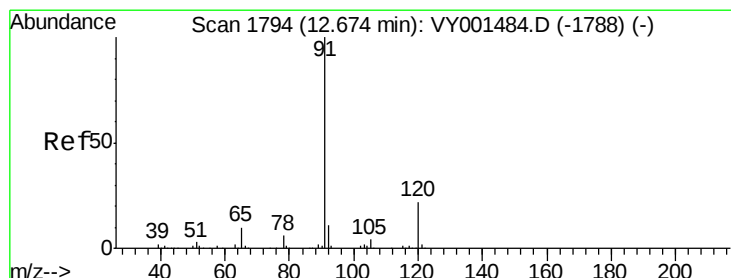
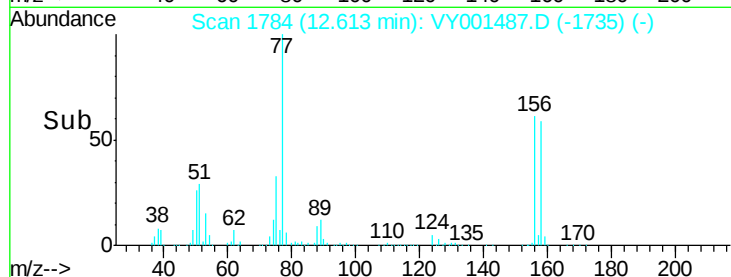
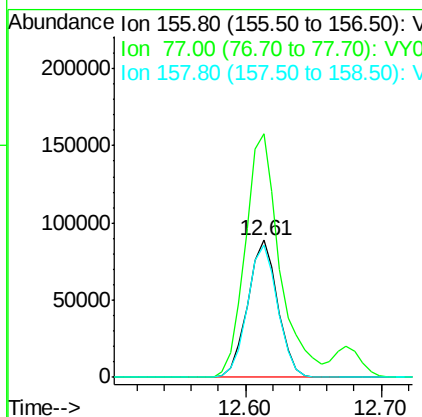
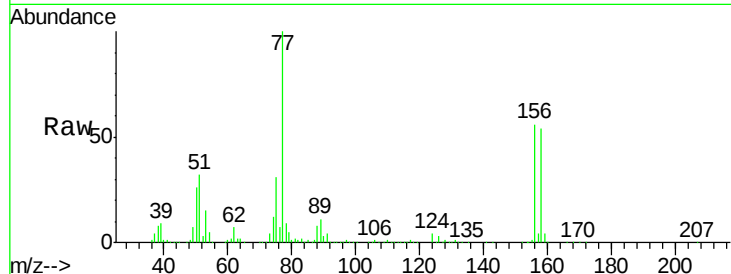
ClientSampleId :

ICVY020420

Tot Ion:	156	Resp:	137164
Ion Ratio	Lower	Upper	
156	100		
77	203.9	99.8	299.3
158	96.8	47.5	142.6

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#78

n-propylbenzene

Concen: 49.937 ug/l

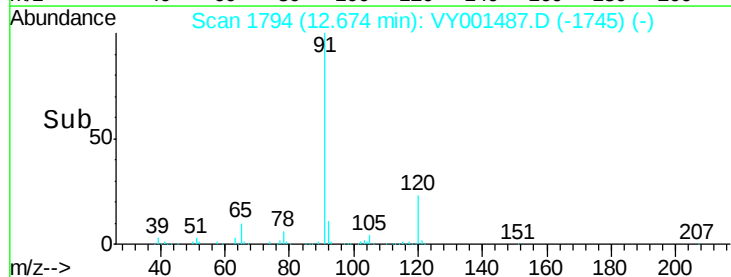
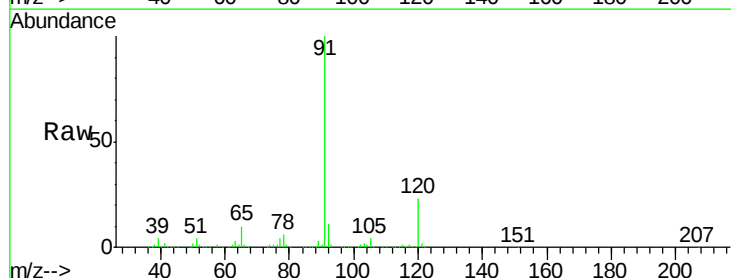
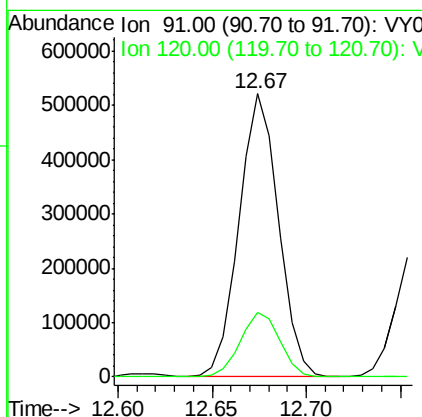
RT: 12.67 min Scan# 1794

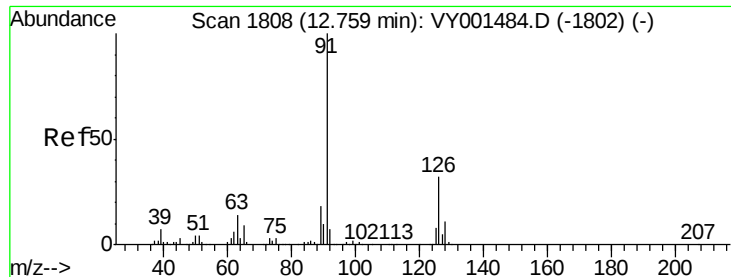
Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	91	Resp:	754955
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.2





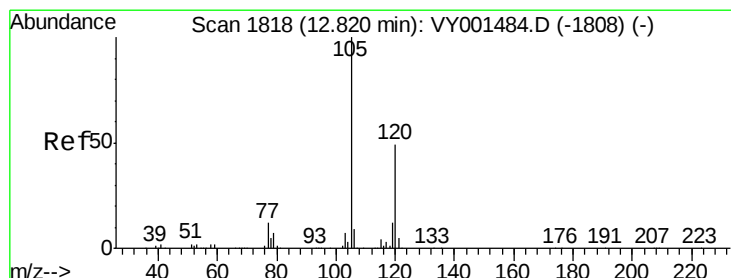
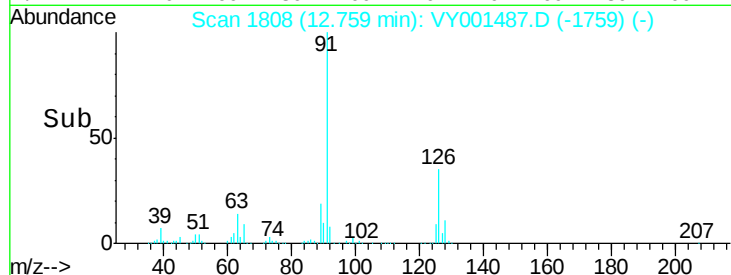
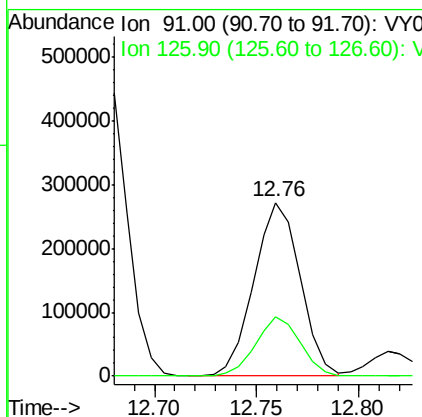
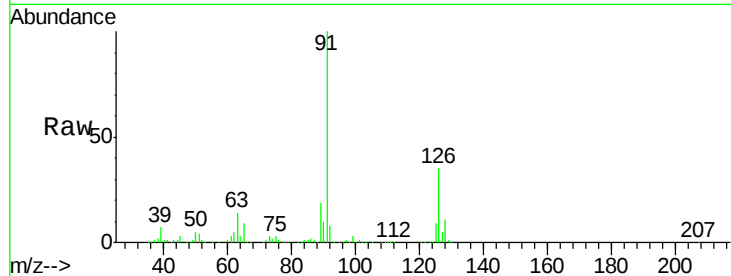
#79
2-Chlorotoluene
Concen: 49.720 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion: 91 Resp: 428462
Ion Ratio Lower Upper
91 100
126 33.3 16.4 49.2

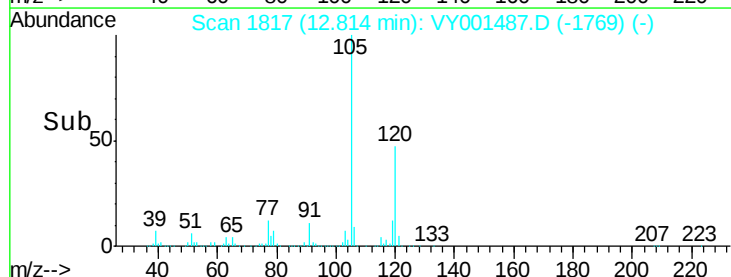
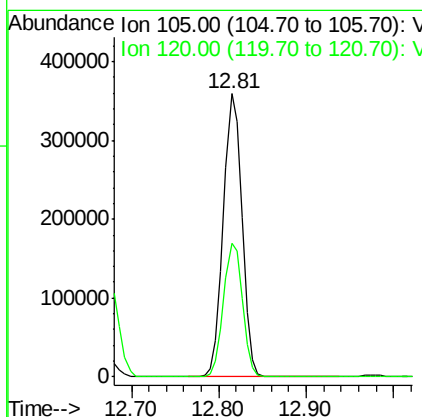
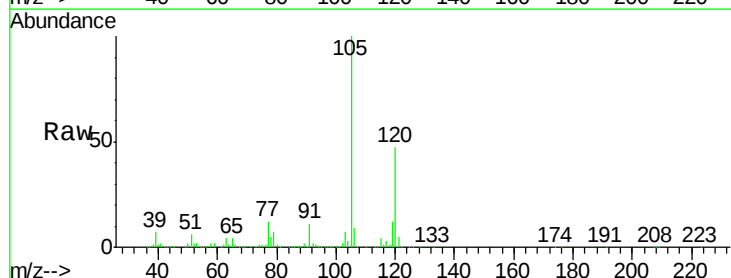
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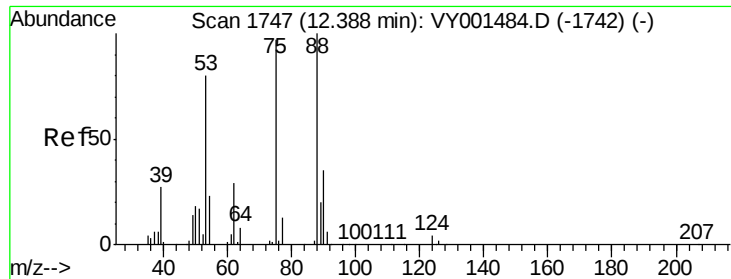
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#80
1,3,5-Trimethylbenzene
Concen: 49.992 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion: 105 Resp: 531676
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.656 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

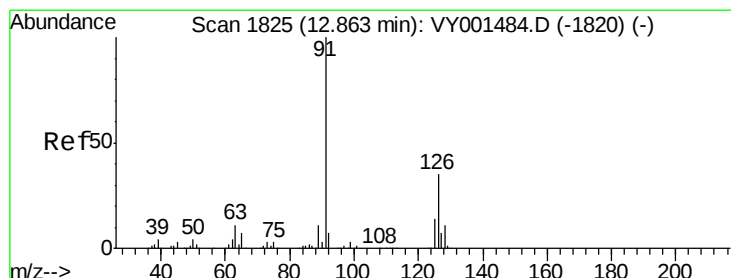
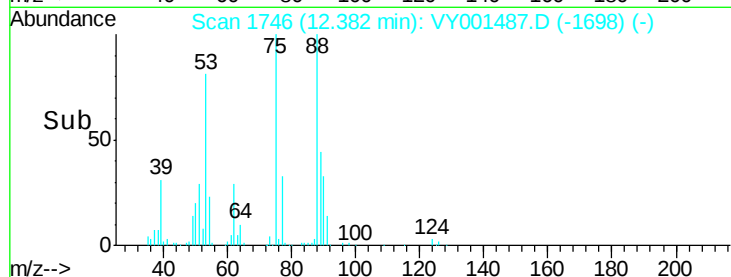
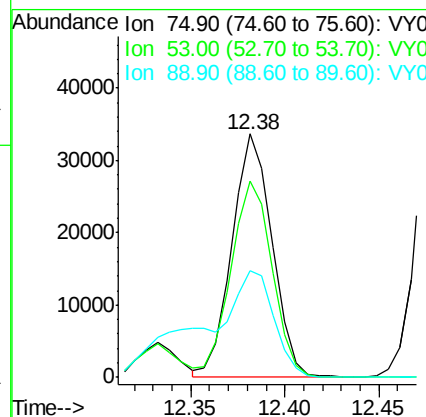
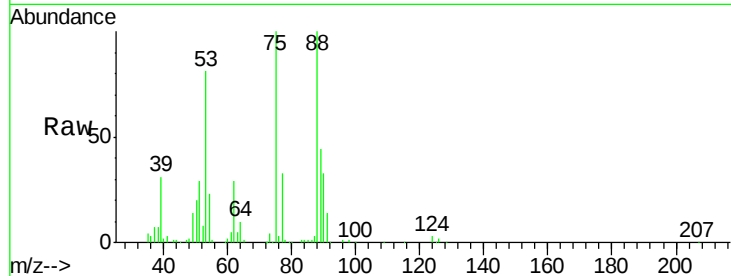
ClientSampleId :

ICVY020420

Tot Ion:	75	Resp:	49376
Ion	Ratio	Lower	Upper
75	100		
53	83.9	67.7	101.5
89	79.9	34.6	52.0#

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#82

4-Chlorotoluene

Concen: 49.572 ug/l

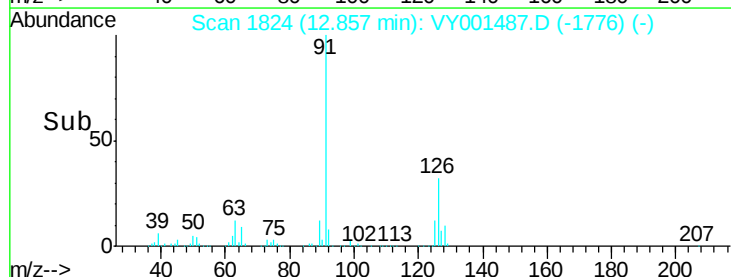
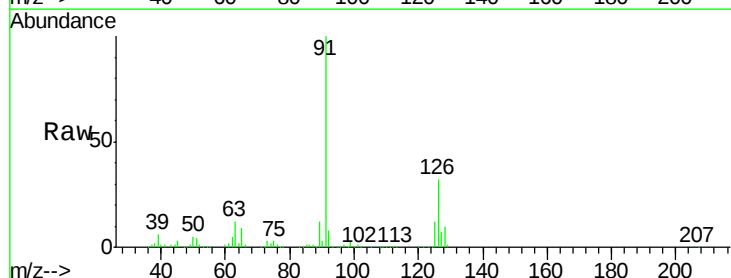
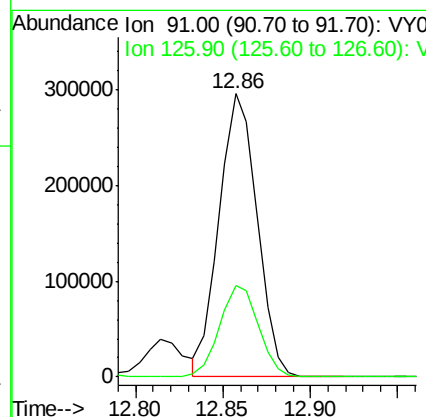
RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Tgt Ion:	91	Resp:	447894
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





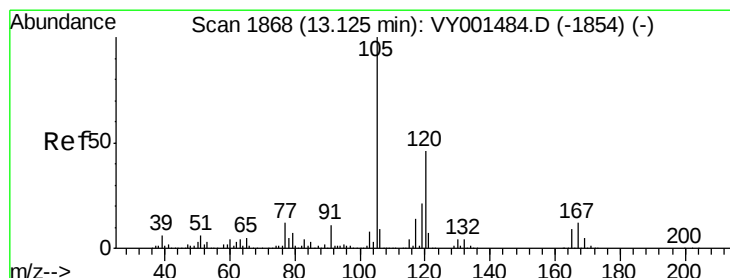
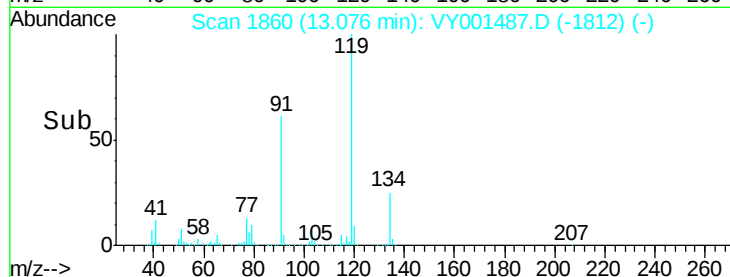
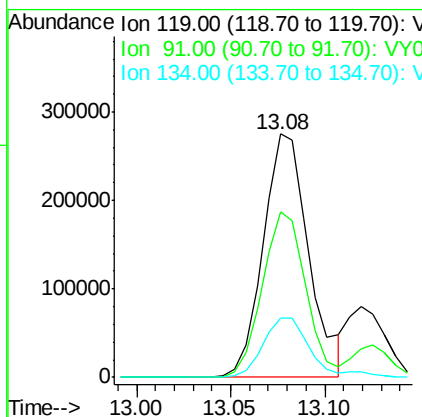
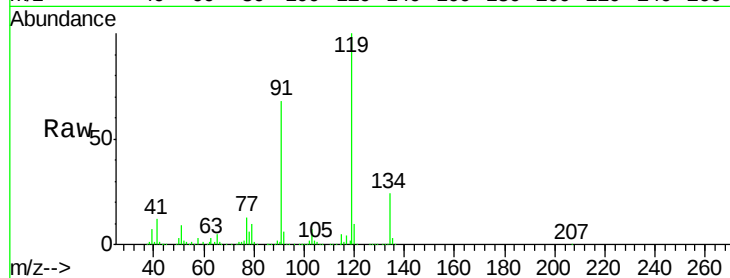
#83
tert-Butylbenzene
Concen: 51.219 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.1	99.3
134	25.6	13.0	39.0

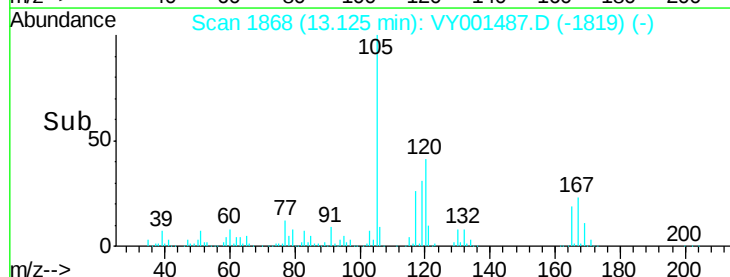
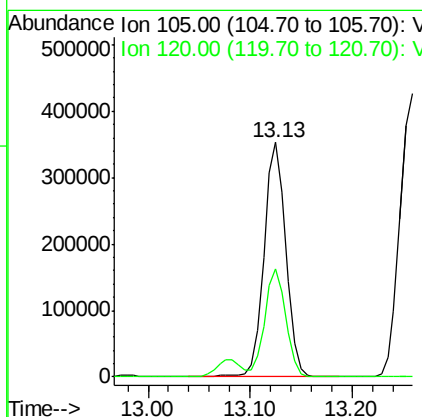
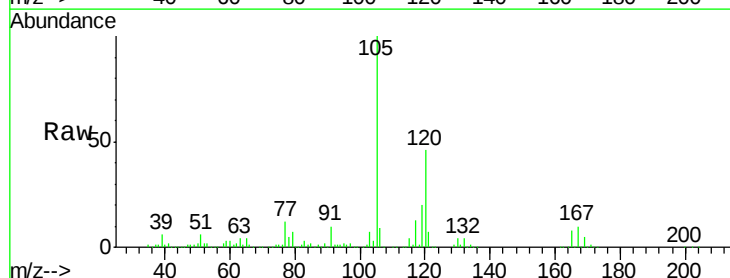
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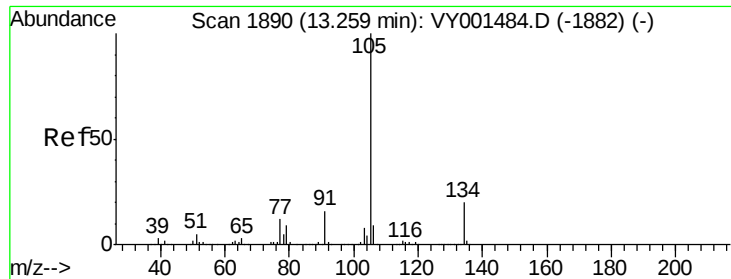
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#84
1,2,4-Trimethylbenzene
Concen: 49.717 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.0





#85

sec-Butylbenzene

Concen: 50.020 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ICVY020420

Tot Ion:105 Resp: 632206

Ion Ratio Lower Upper

105 100

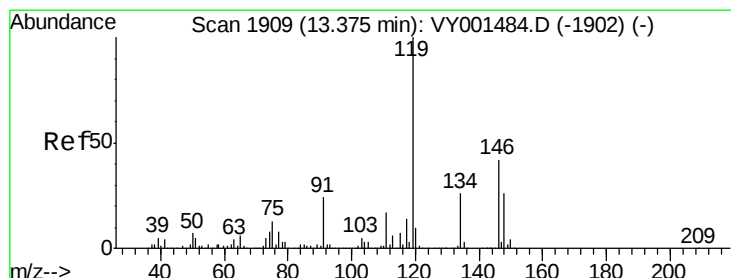
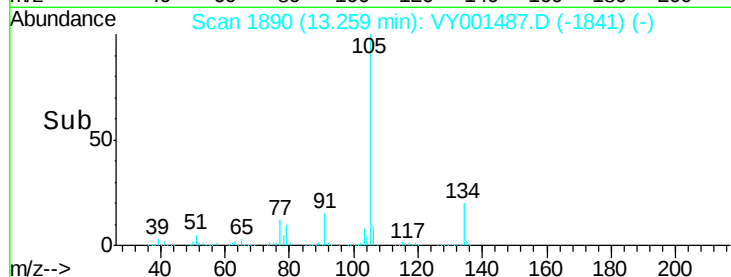
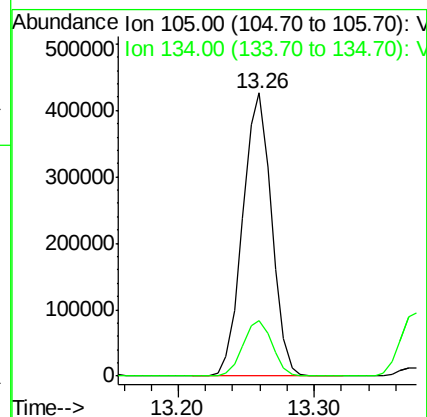
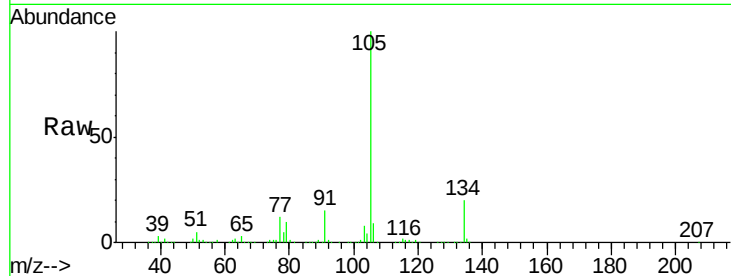
134 20.1 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 49.787 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001487.D

Acq: 04 Feb 2020 15:19

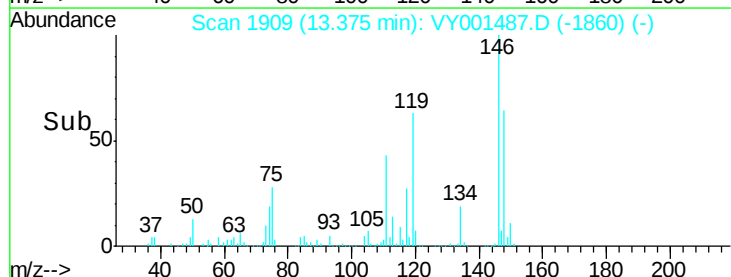
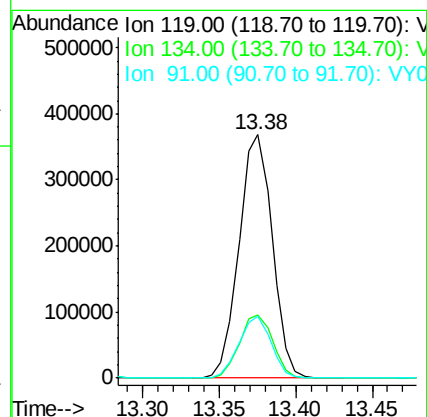
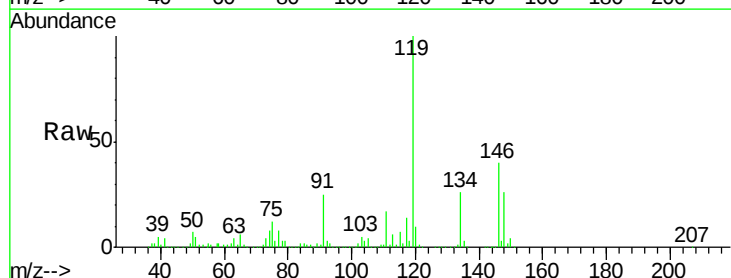
Tgt Ion:119 Resp: 554529

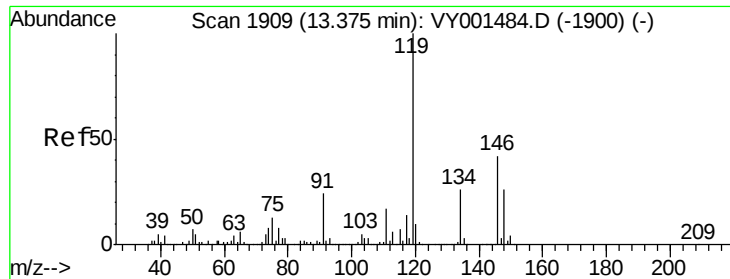
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 24.5 12.2 36.6





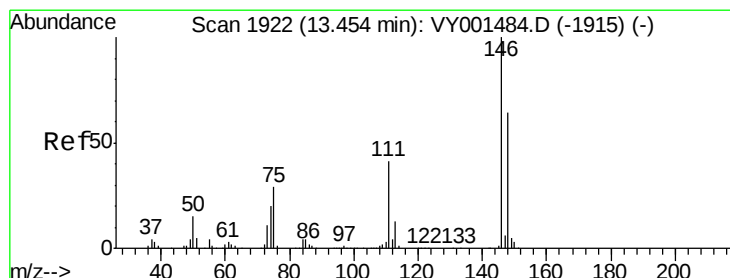
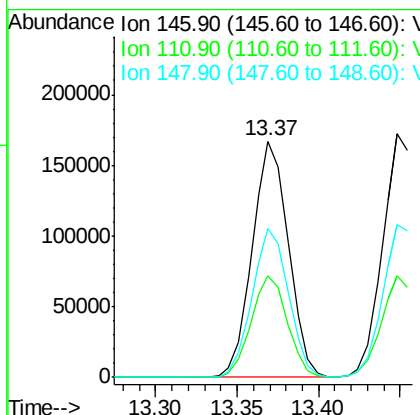
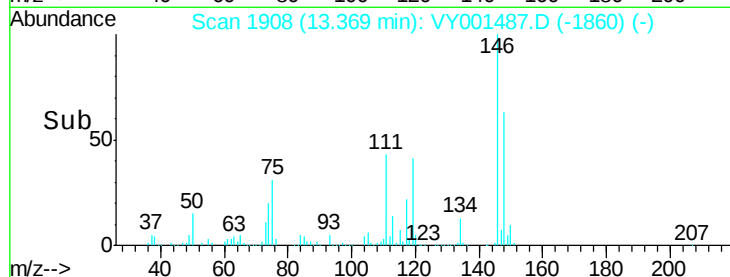
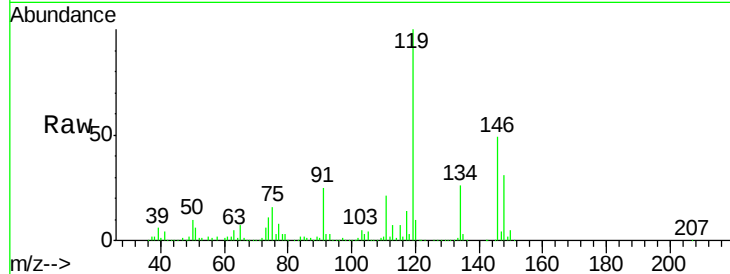
#87
 1,3-Dichlorobenzene
 Concen: 49.096 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.9
148	63.8	31.9	95.7

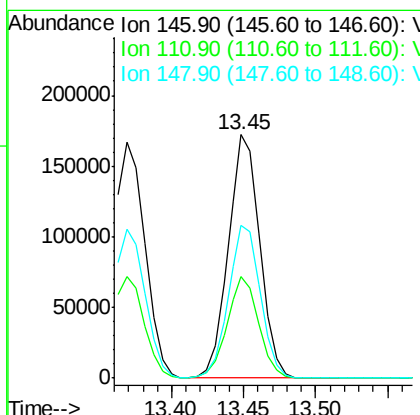
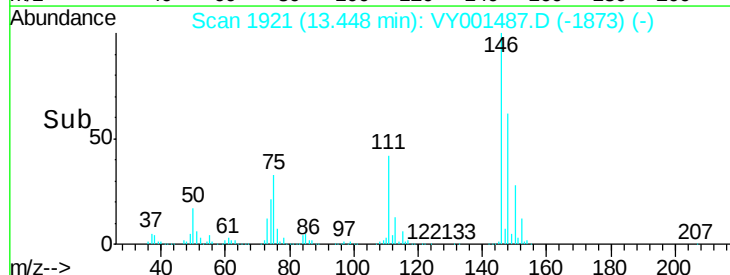
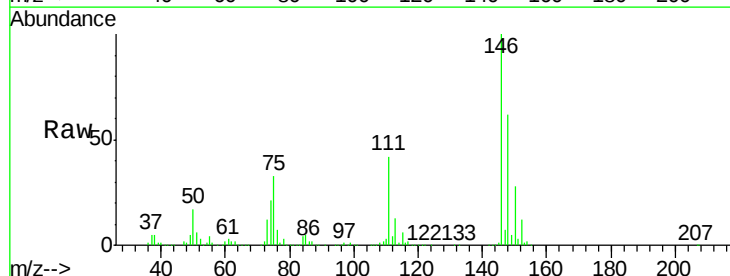
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#88
 1,4-Dichlorobenzene
 Concen: 50.068 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.5	32.1	96.5





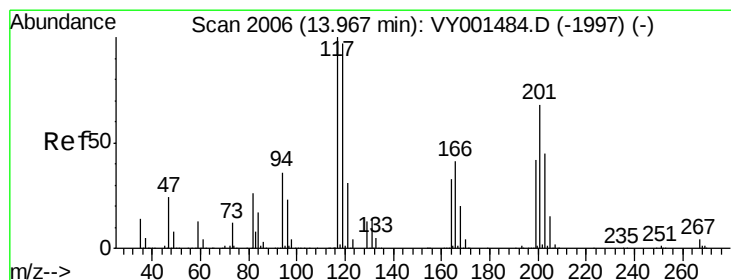
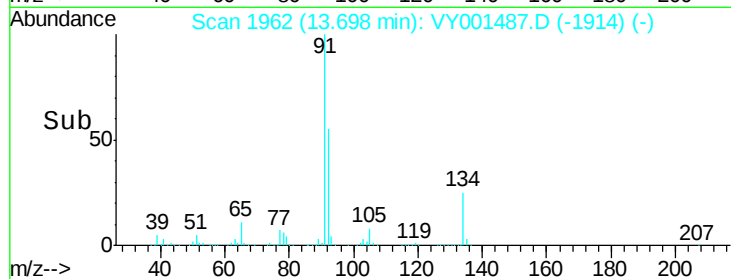
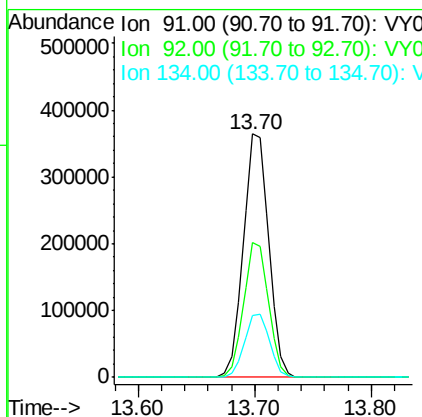
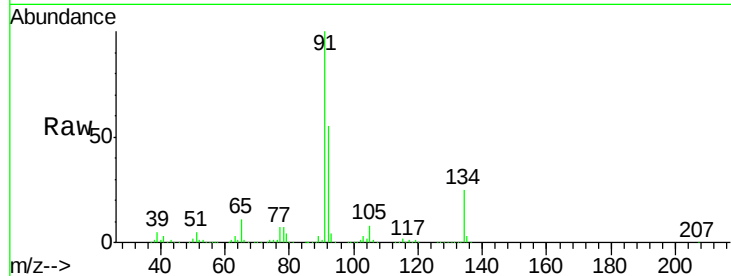
#89
n-Butylbenzene
Concen: 50.262 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVY020420

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	26.0	13.0	38.9

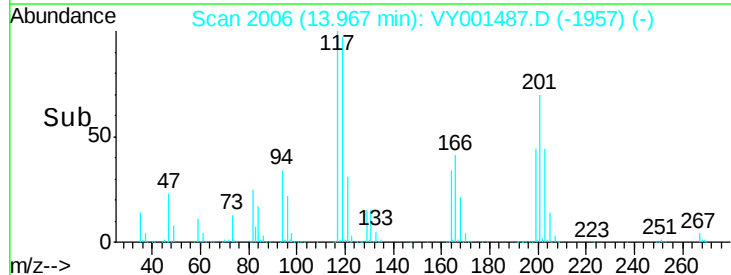
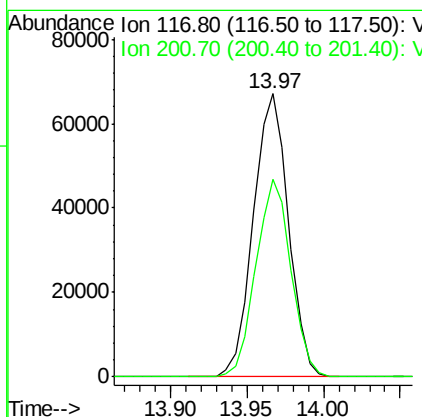
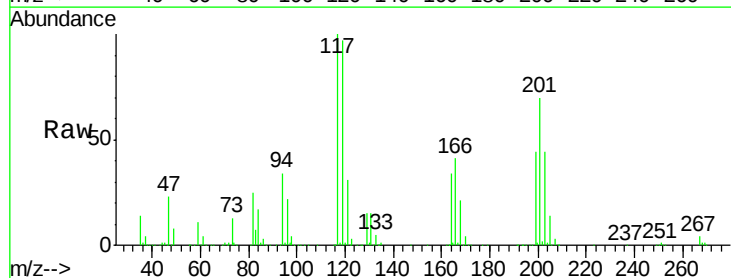
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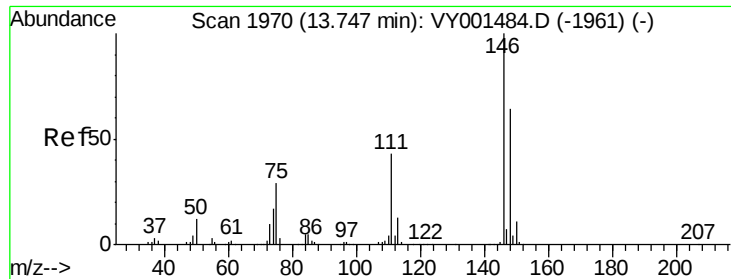
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#90
Hexachloroethane
Concen: 50.164 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.1	102.3





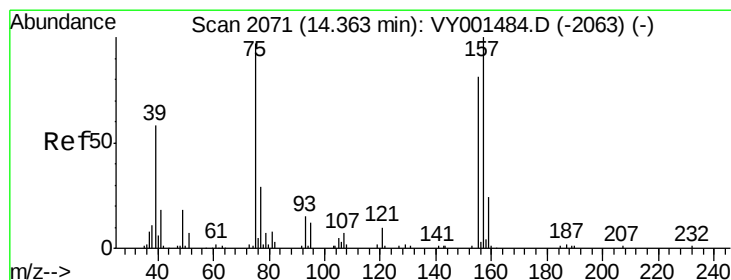
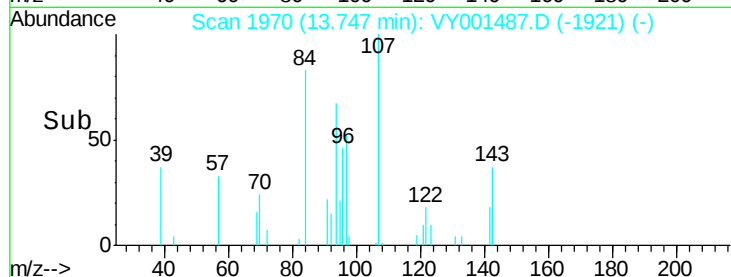
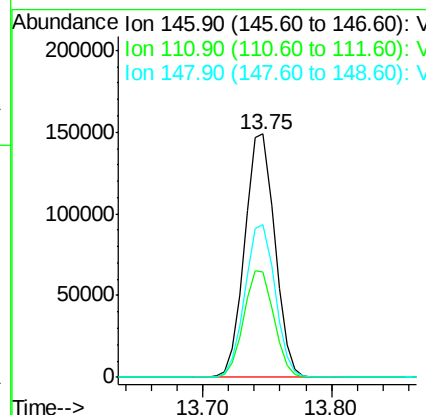
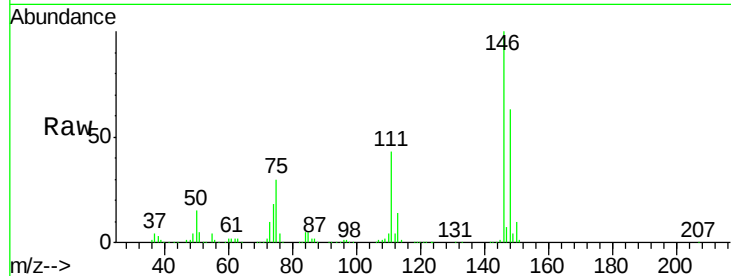
#91
 1,2-Dichlorobenzene
 Concen: 50.437 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY020420

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.8	31.8	95.3

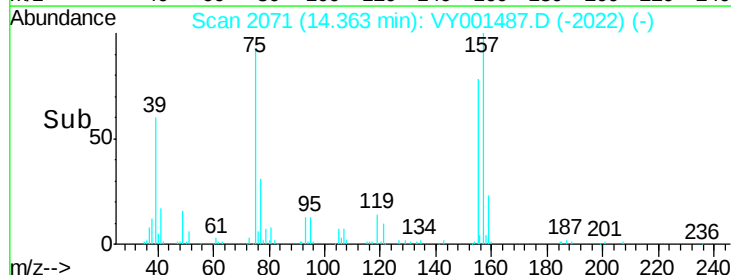
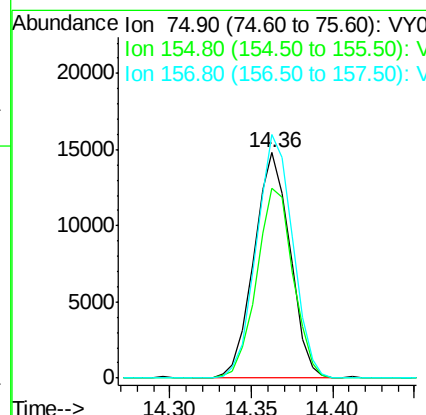
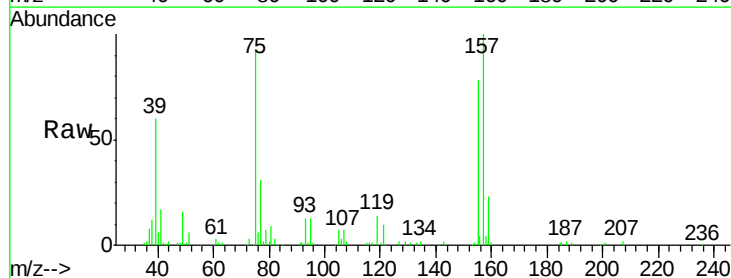
Manual Integrations
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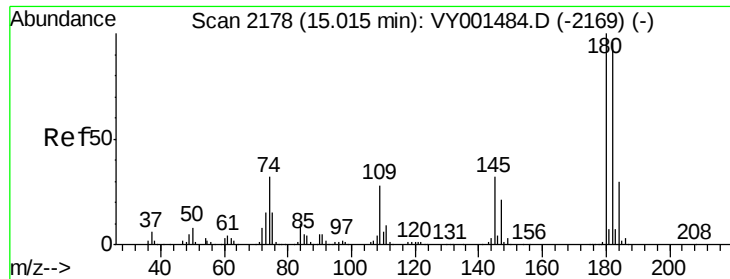
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.250 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001487.D
 Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	40.7	122.1
157	108.4	52.3	157.1





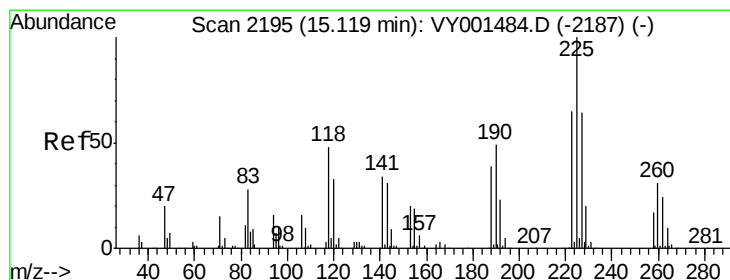
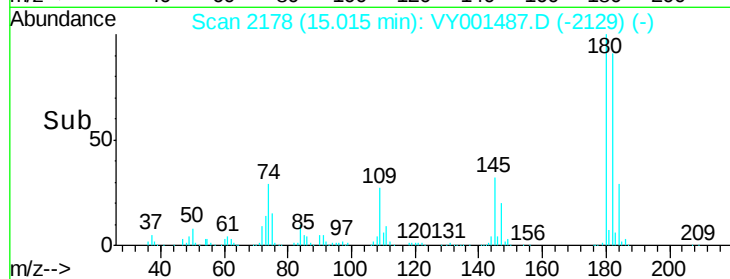
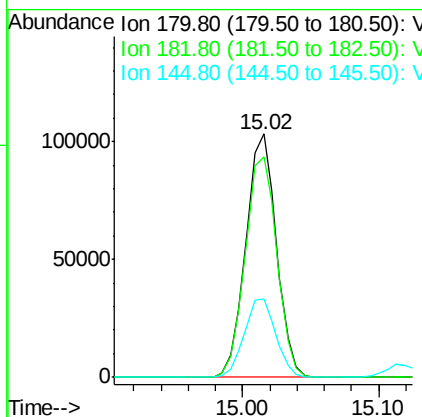
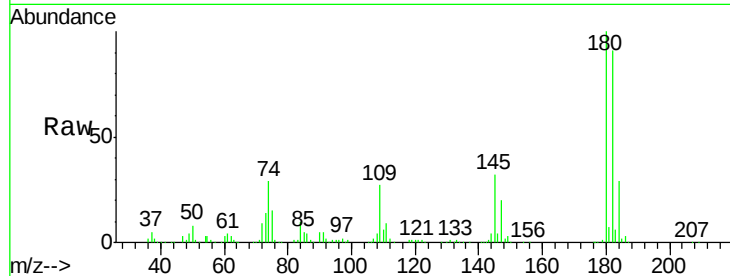
#93
1,2,4-Trichlorobenzene
Concen: 50.961 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020420

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162999		
182	94.1	46.9	140.7	
145	33.2	16.8	50.3	

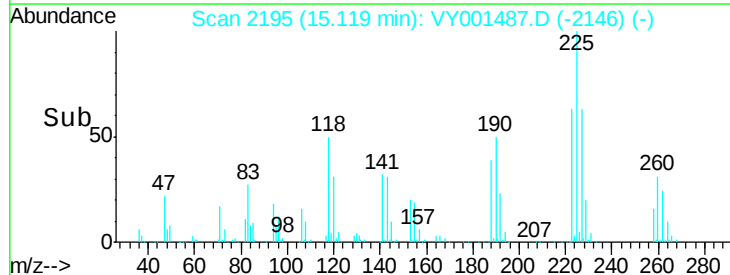
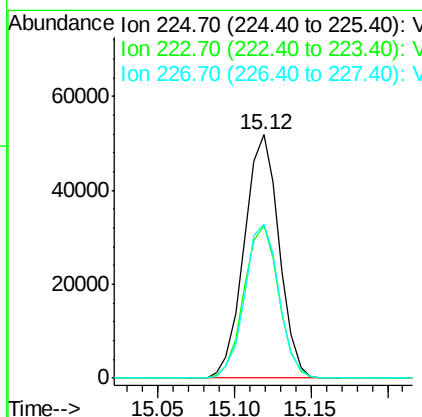
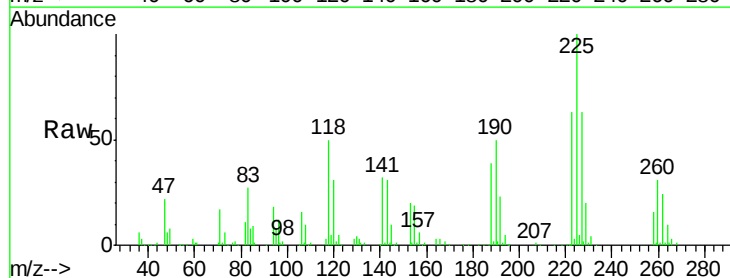
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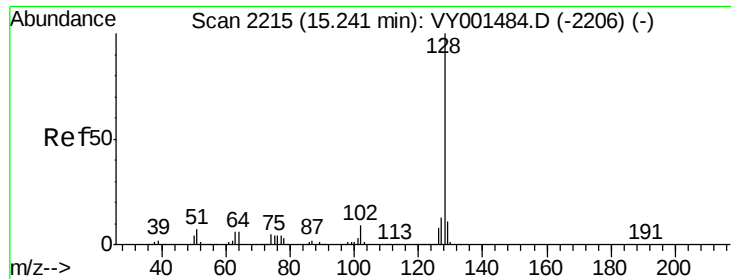
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#94
Hexachlorobutadiene
Concen: 50.442 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81883		
223	62.5	31.9	95.7	
227	62.2	32.6	97.7	





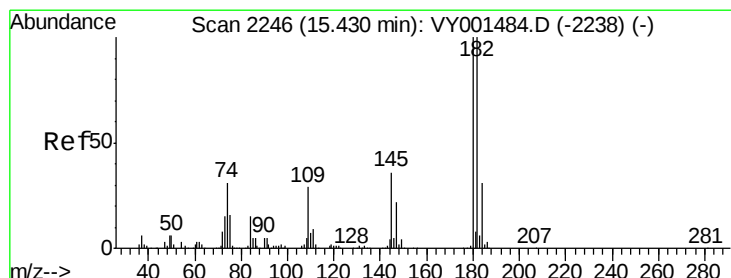
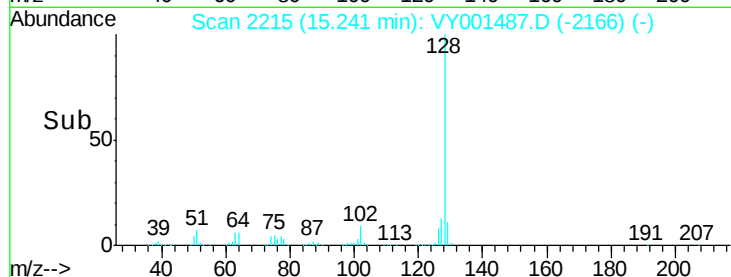
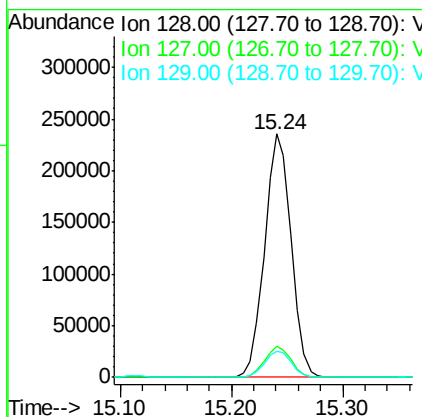
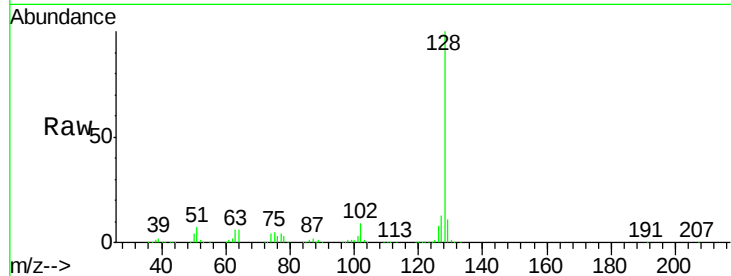
#95
Naphthalene
Concen: 51.792 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020420

Tot Ion	Ratio	Resp	Lower	Upper
128	100	389319		
127	12.6		10.1	15.1
129	10.9		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.602 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001487.D
Acq: 04 Feb 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145691		
182	96.0		48.0	144.2
145	34.7		17.8	53.5

