

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001484.D
 Acq On : 04 Feb 2020 13:59
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:43 PM

Quant Time: Feb 04 14:47:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	237914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	409936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	164889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	117343	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	7.74	113	114499	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.19	98	462594	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.49	95	169350	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	120312	61.242	ug/l	100
3) Chloromethane	2.13	50	121116	43.487	ug/l	100
4) Vinyl Chloride	2.26	62	128874	44.470	ug/l	100
5) Bromomethane	2.66	94	81546	41.866	ug/l	100
6) Chloroethane	2.81	64	77653	42.257	ug/l	100
7) Trichlorofluoromethane	3.15	101	209997	54.413	ug/l	100
8) Diethyl Ether	3.55	74	68892	43.933	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	127656	52.486	ug/l	100
10) Methyl Iodide	4.11	142	169108	53.135	ug/l	100
11) Tert butyl alcohol	4.99	59	60279	157.200	ug/l	100
12) 1,1-Dichloroethene	3.90	96	126989	50.050	ug/l	100
13) Acrolein	3.75	56	53130	239.082	ug/l	100
14) Allyl chloride	4.51	41	191116	43.401	ug/l	100
15) Acrylonitrile	5.20	53	154643	196.379	ug/l	100
16) Acetone	3.97	43	169764	228.793	ug/l	100
17) Carbon Disulfide	4.22	76	406314	50.747	ug/l	100
18) Methyl Acetate	4.50	43	68009	32.826	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	324808	44.675	ug/l	100
20) Methylene Chloride	4.74	84	140723	35.700	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	139253	47.688	ug/l	100
22) Diisopropyl ether	6.15	45	379462	40.890	ug/l	100
23) Vinyl Acetate	6.09	43	1195382	199.695	ug/l	100
24) 1,1-Dichloroethane	6.05	63	228498	45.891	ug/l	100
25) 2-Butanone	7.02	43	215821	198.231	ug/l	100
26) 2,2-Dichloropropane	7.00	77	211347	47.158	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	150459	46.375	ug/l	100
28) Bromochloromethane	7.36	49	85403	42.512	ug/l	100
29) Tetrahydrofuran	7.37	42	127917	182.861	ug/l	100
30) Chloroform	7.53	83	231889	47.116	ug/l	100
31) Cyclohexane	7.81	56	226202	45.497	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	212369	50.617	ug/l	100
36) 1,1-Dichloropropene	7.94	75	190767	49.111	ug/l	100
37) Ethyl Acetate	7.10	43	86437	38.063	ug/l	100
38) Carbon Tetrachloride	7.92	117	186541	53.184	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	254214	50.877	ug/l	100
40) Benzene	8.18	78	541717	46.963	ug/l	100
41) Methacrylonitrile	7.35	41	46875m	40.428	ug/l	
42) 1,2-Dichloroethane	8.26	62	146157	45.616	ug/l	100
43) Isopropyl Acetate	8.29	43	173191	39.213	ug/l	100
44) Trichloroethene	8.96	130	145374	48.660	ug/l	100
45) 1,2-Dichloropropane	9.23	63	129464	44.832	ug/l	100
46) Dibromomethane	9.32	93	71705	45.958	ug/l	100
47) Bromodichloromethane	9.51	83	179022	47.668	ug/l	100
48) Methyl methacrylate	9.30	41	79227	39.311	ug/l	100
49) 1,4-Dioxane	9.31	88	17933	827.731	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	423033	186.790	ug/l	100
52) Toluene	10.25	92	342022	46.806	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	192943	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	223896	47.066	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	103300	45.164	ug/l	100
56) Ethyl methacrylate	10.52	69	147745	43.094	ug/l	100
57) 1,3-Dichloropropane	10.80	76	181292	45.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	271362	221.373	ug/l	100
59) 2-Hexanone	10.84	43	314804	198.773	ug/l	100
60) Dibromochloromethane	10.99	129	123797	47.814	ug/l	100
61) 1,2-Dibromoethane	11.10	107	101757	46.803	ug/l	100
64) Tetrachloroethene	10.73	164	119274	51.377	ug/l	100
65) Chlorobenzene	11.52	112	360816	47.890	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	125289	48.722	ug/l	100
67) Ethyl Benzene	11.60	91	663861	47.860	ug/l	100
68) m/p-Xylenes	11.71	106	496916	95.986	ug/l	100
69) o-Xylene	12.03	106	236827	47.611	ug/l	100
70) Styrene	12.05	104	407144	46.815	ug/l	100
71) Bromoform	12.21	173	70149	46.136	ug/l #	100
73) Isopropylbenzene	12.34	105	643209	49.347	ug/l	100
74) N-amyl acetate	12.15	43	161510	39.452	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	117947	43.392	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	87523m	44.851	ug/l	
77) Bromobenzene	12.61	156	139371	48.446	ug/l	100
78) n-propylbenzene	12.67	91	767094	49.048	ug/l	100
79) 2-Chlorotoluene	12.76	91	436087	48.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	540801	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	45402	44.102	ug/l	100
82) 4-Chlorotoluene	12.86	91	456283	47.928	ug/l	100
83) tert-Butylbenzene	13.08	119	460139	50.153	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	533451	48.881	ug/l	100
85) sec-Butylbenzene	13.26	105	649295	49.962	ug/l	100
86) p-Isopropyltoluene	13.38	119	568736	49.566	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	261831	47.484	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	263280	46.996	ug/l	100
89) n-Butylbenzene	13.70	91	559624	48.617	ug/l	100
90) Hexachloroethane	13.97	117	109899	50.532	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	239030	47.091	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20979	44.281	ug/l	100

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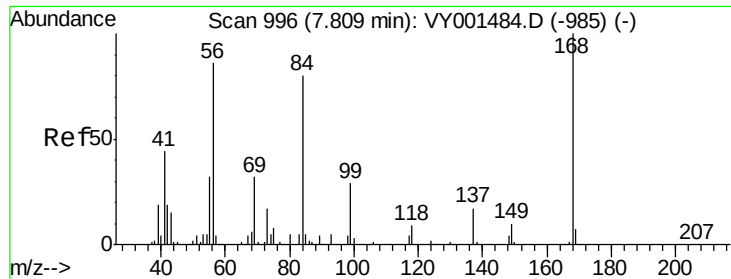
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	158153	46.226	ug/l	100
94) Hexachlorobutadiene	15.12	225	81248	48.493	ug/l	100
95) Naphthalene	15.24	128	349718	45.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	136226	45.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

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VSTDICCC050

Tot Ion:168 Resp: 237914

Ion Ratio Lower Upper

168 100

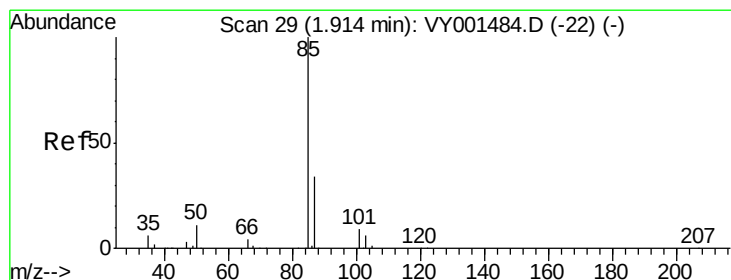
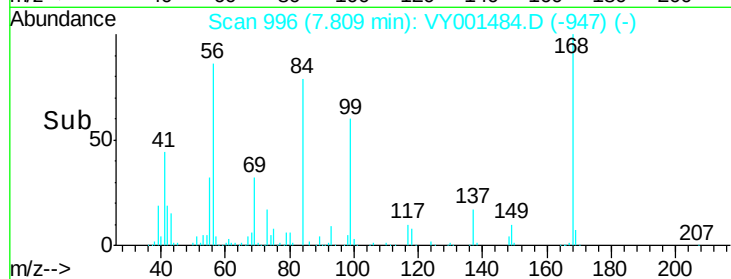
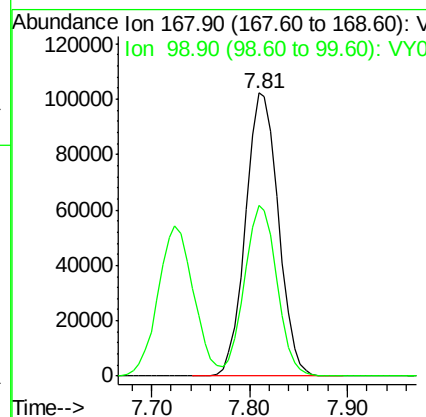
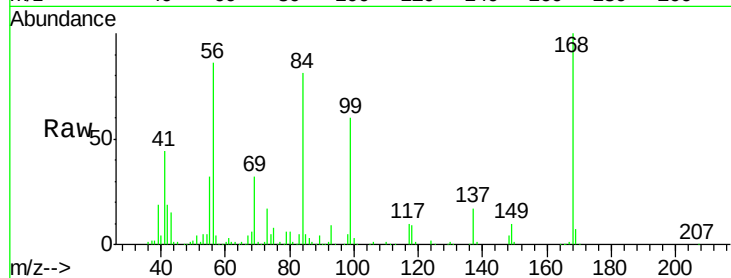
99 60.3 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 61.242 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001484.D

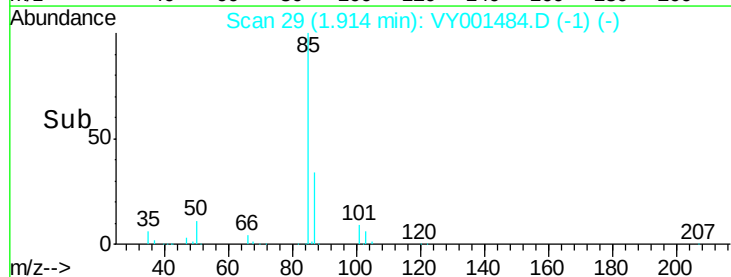
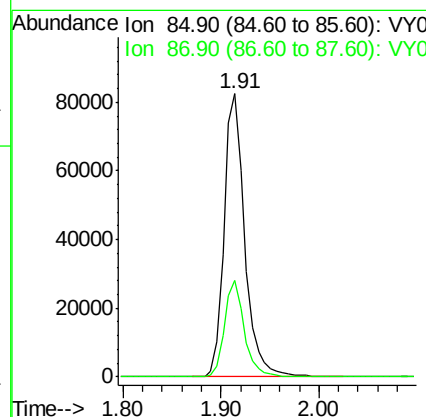
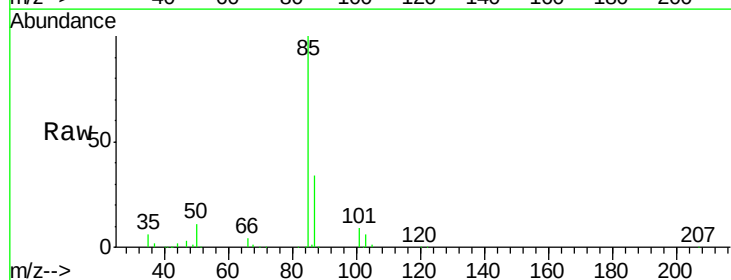
Acq: 04 Feb 2020 13:59

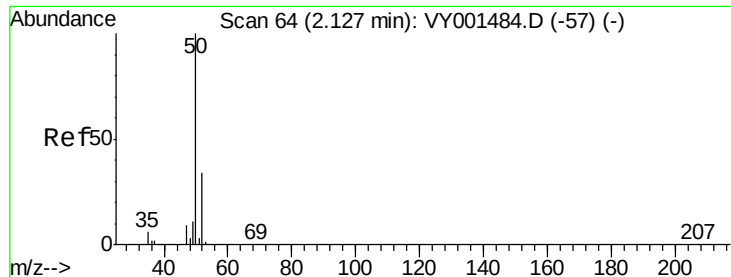
Tgt Ion: 85 Resp: 120312

Ion Ratio Lower Upper

85 100

87 33.9 17.0 50.9





#3

Chloromethane

Concen: 43.487 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 121116

Ion Ratio Lower Upper

50 100

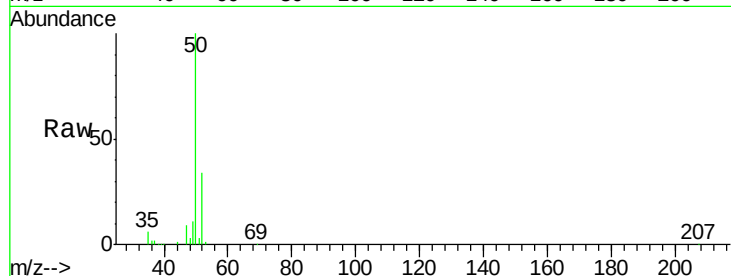
52 34.1 27.3 40.9

Manual Integrations

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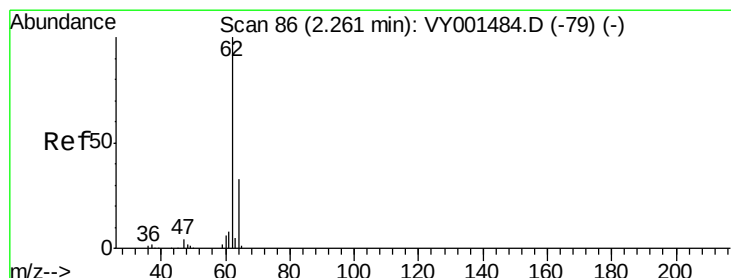
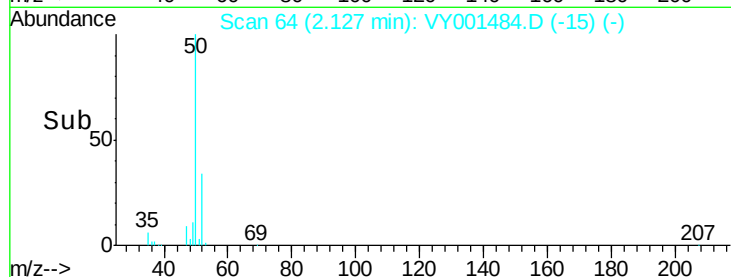
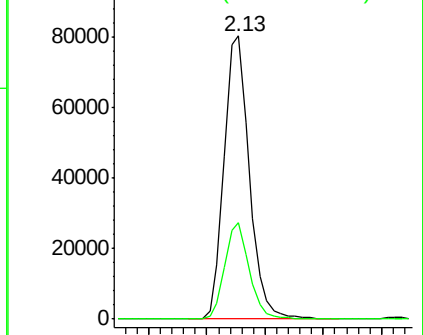
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 44.470 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001484.D

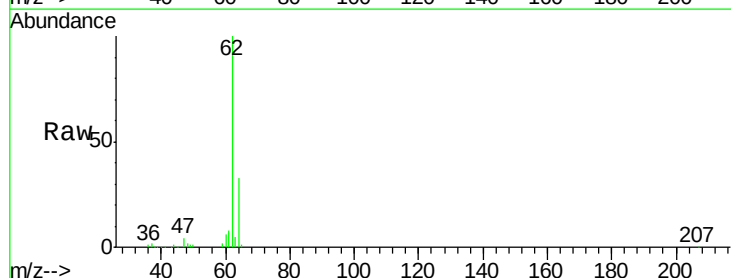
Acq: 04 Feb 2020 13:59

Tgt Ion: 62 Resp: 128874

Ion Ratio Lower Upper

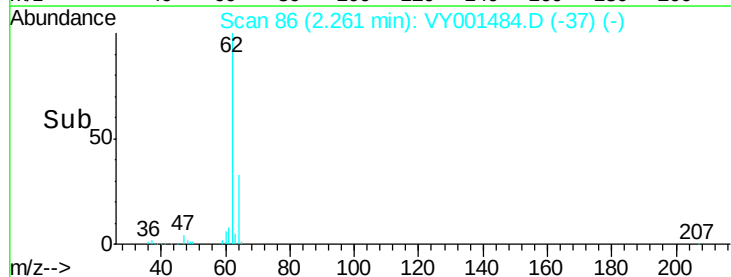
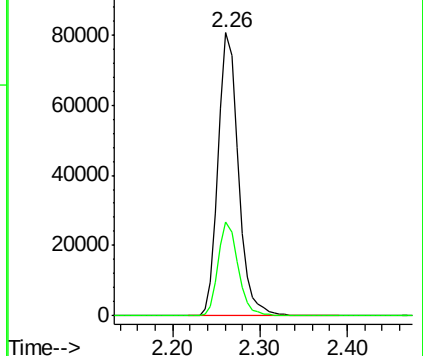
62 100

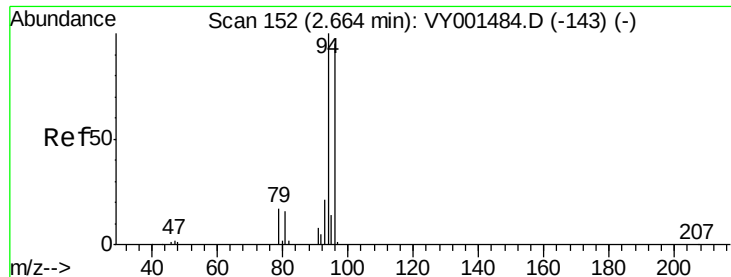
64 33.0 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 41.866 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001484.D

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Instrument :

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VSTDICCC050

Tot Ion: 94 Resp: 81546

Ion Ratio Lower Upper

94 100

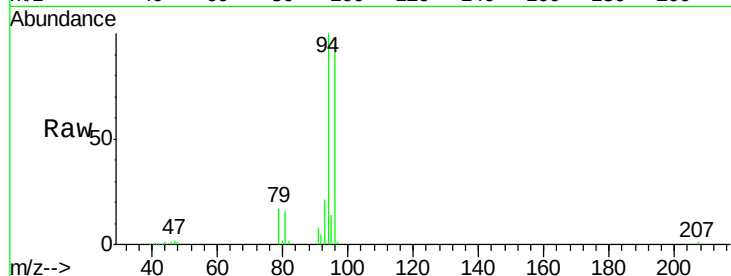
96 95.2 76.2 114.2

Manual Integrations

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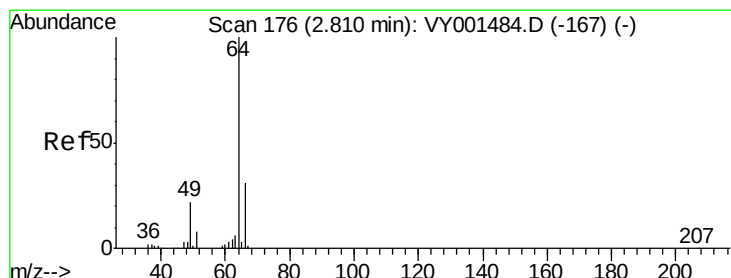
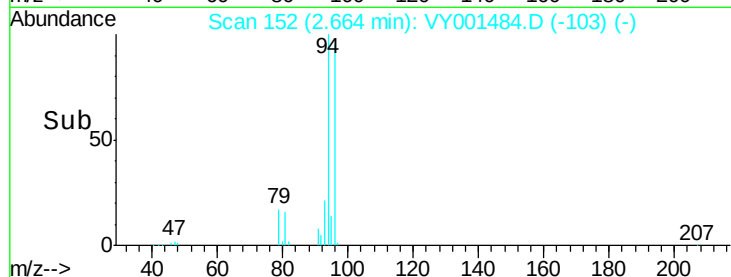
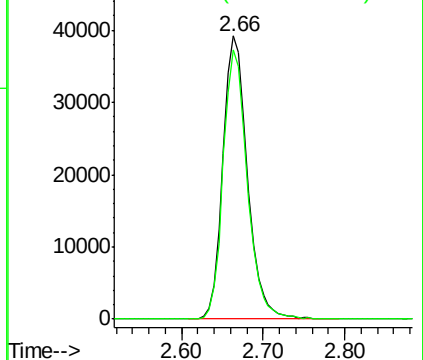
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 42.257 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001484.D

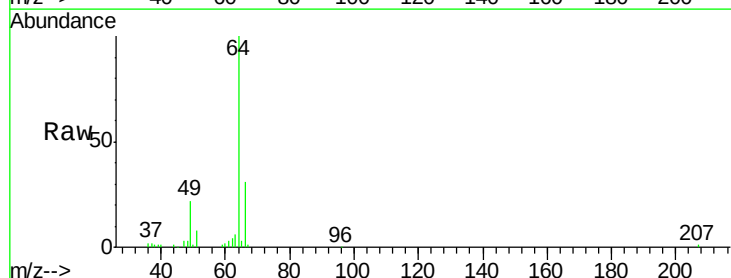
Acq: 04 Feb 2020 13:59

Tgt Ion: 64 Resp: 77653

Ion Ratio Lower Upper

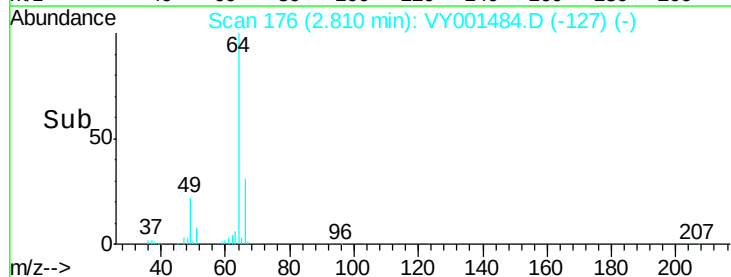
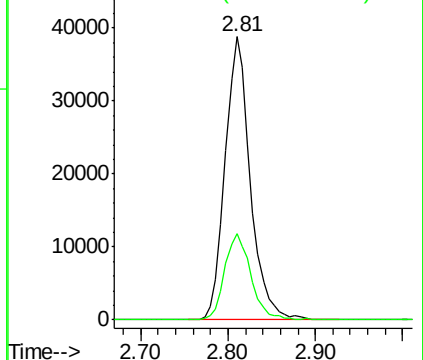
64 100

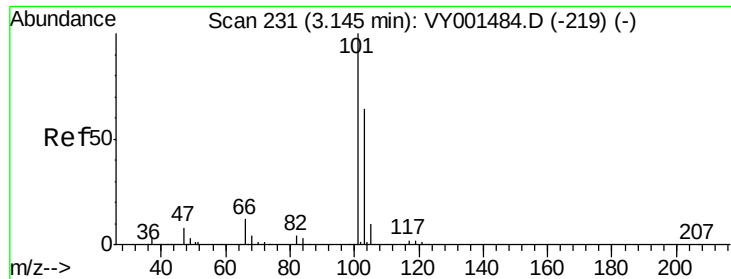
66 30.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

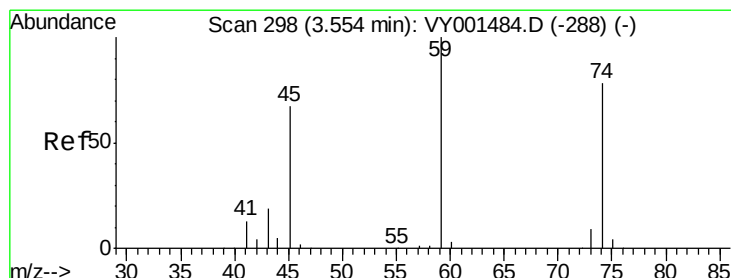
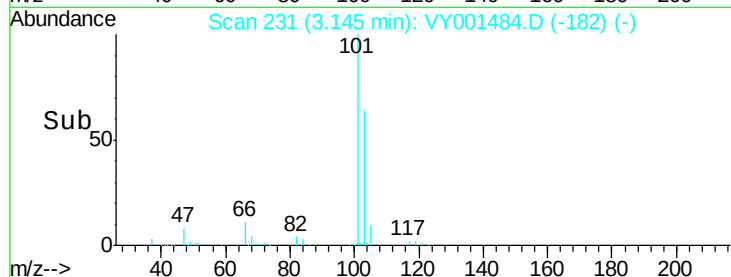
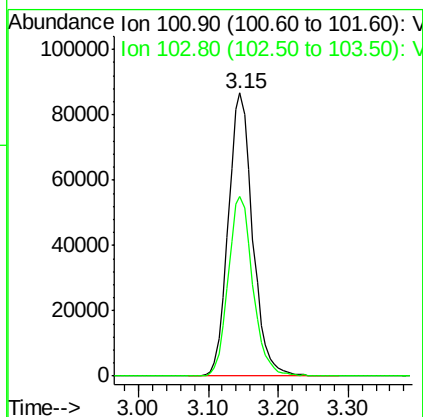
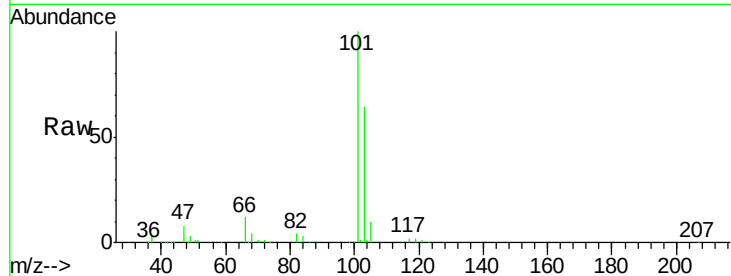
Trichlorofluoromethane
Concen: 54.413 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

Manual Integrations
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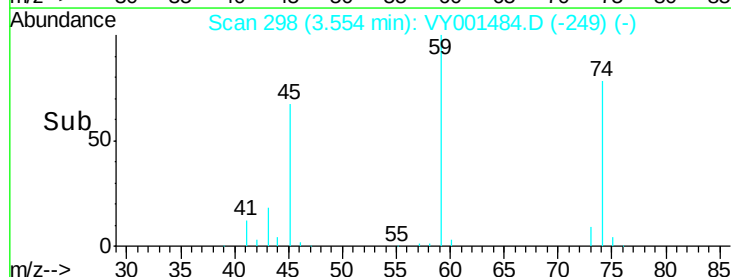
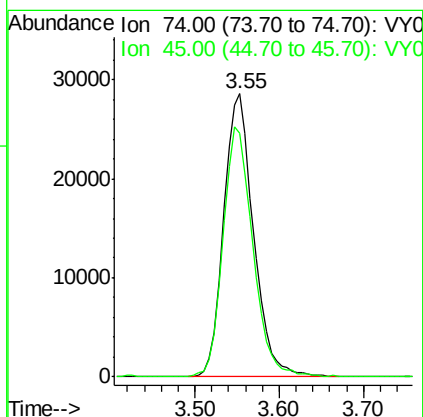
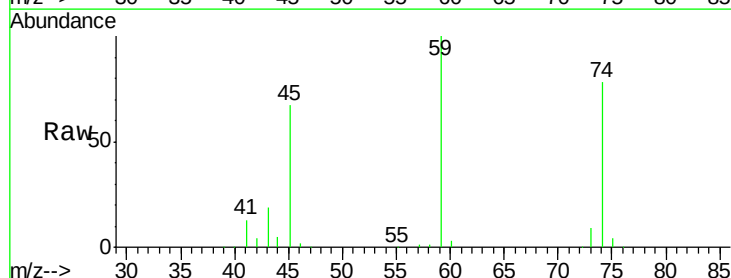
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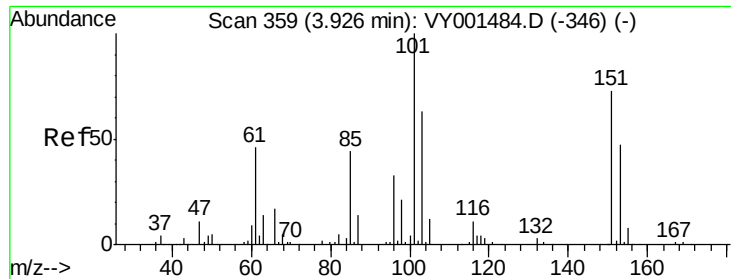


#8

Diethyl Ether
Concen: 43.933 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.486 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

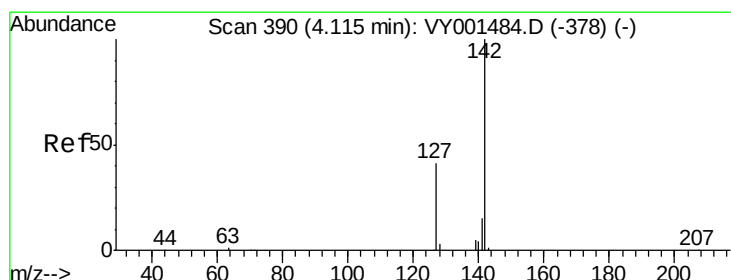
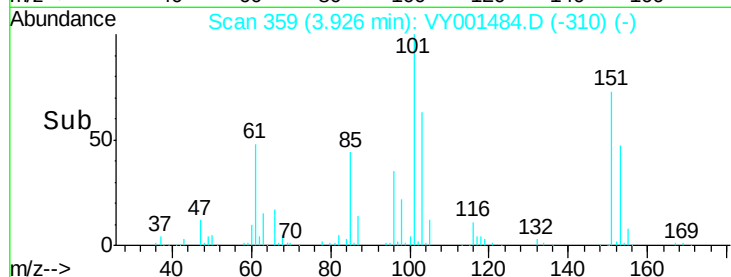
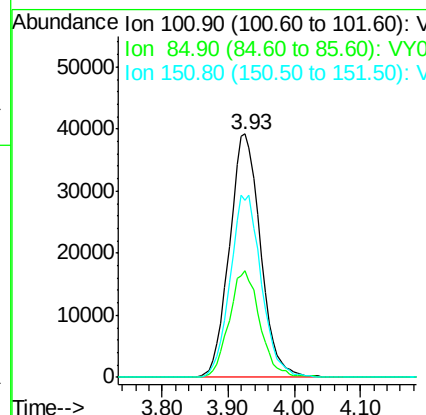
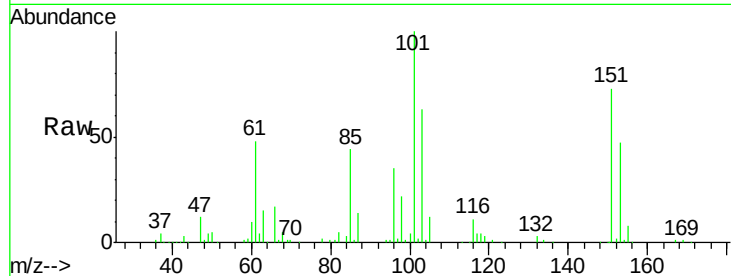
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	127656
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	51.8
151	75.4	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.135 ug/l

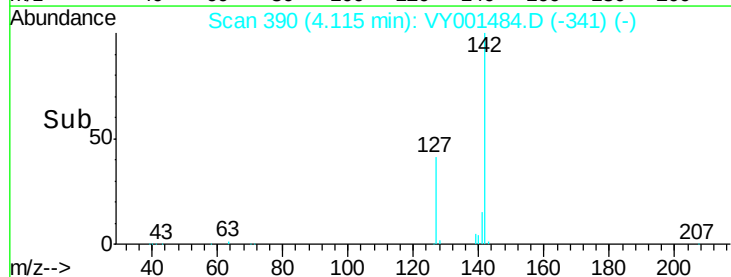
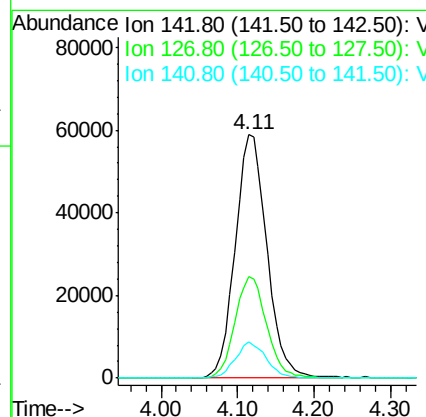
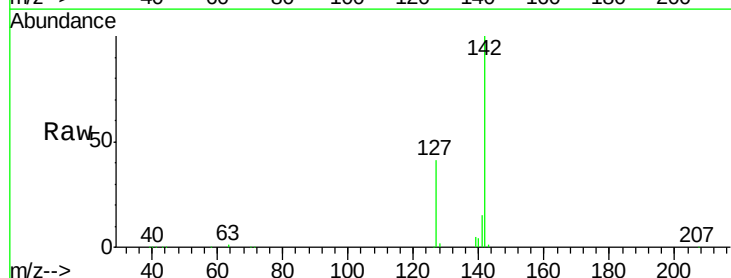
RT: 4.11 min Scan# 390

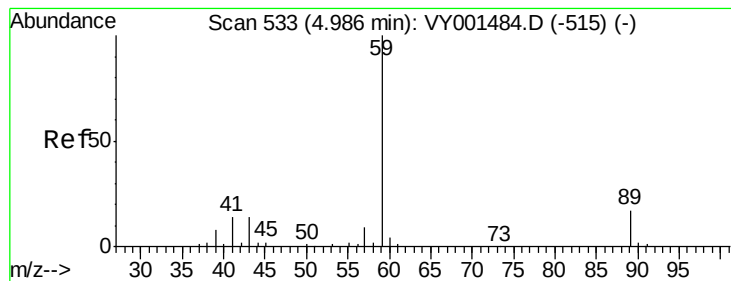
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	142	Resp:	169108
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.3	49.9
141	14.4	11.5	17.3





#11

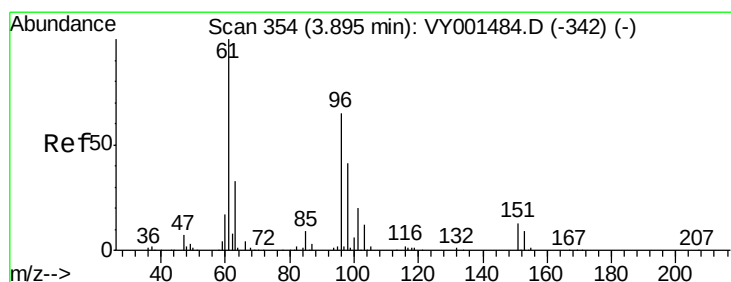
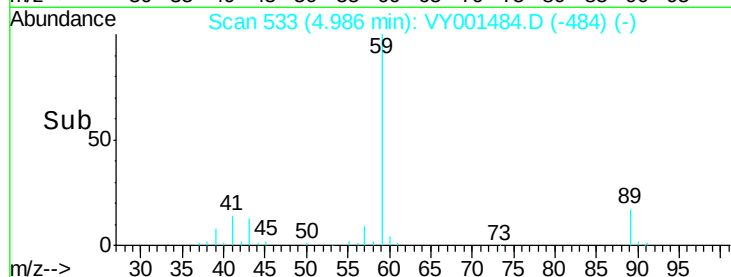
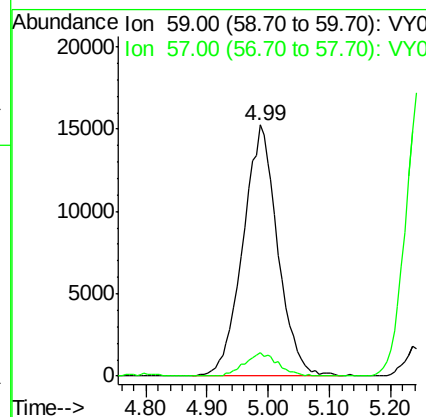
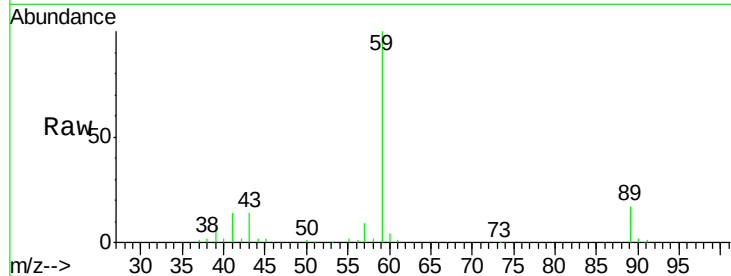
Tert butyl alcohol
 Concen: 157.200 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.0	10.6

Manual Integrations
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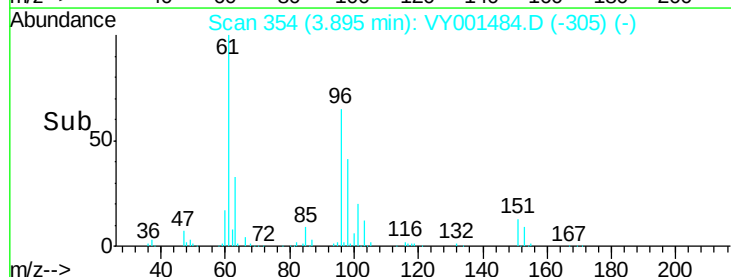
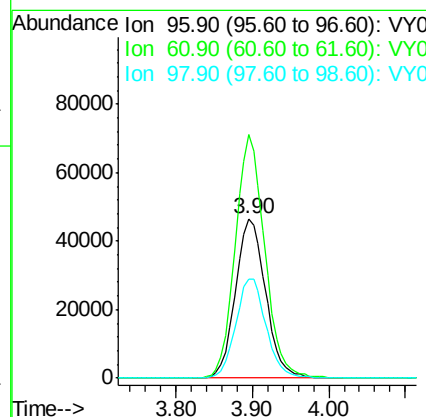
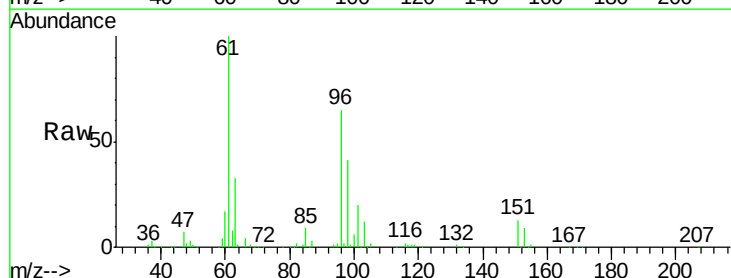
MMDadoda
 2/5/2020 12:23:43 PM

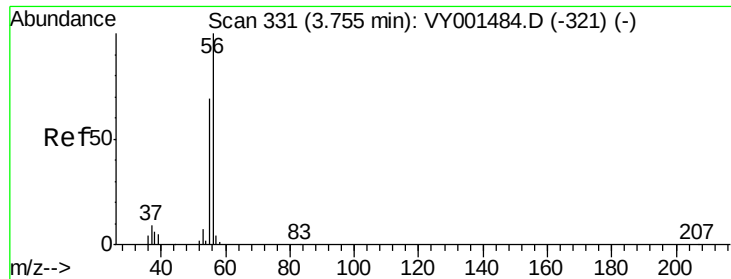


#12

1,1-Dichloroethene
 Concen: 50.050 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	122.3	183.5
98	62.1	49.7	74.5





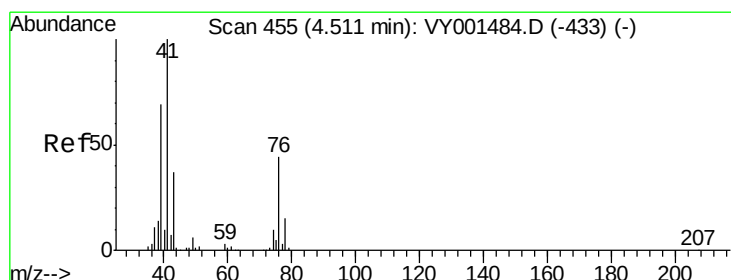
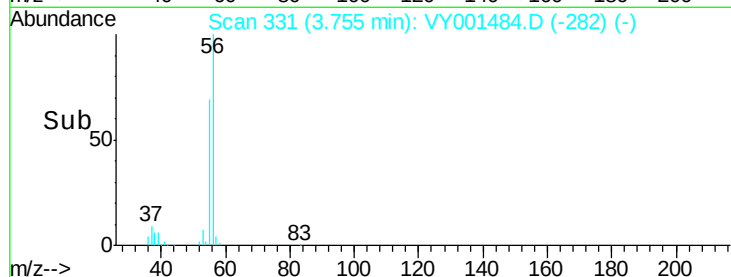
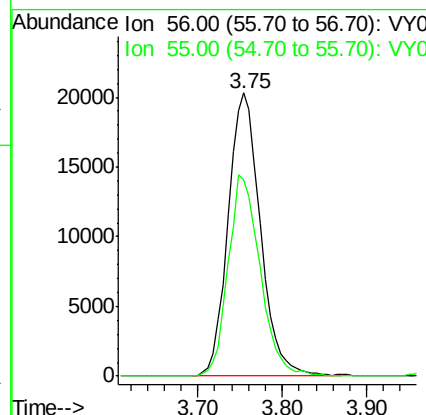
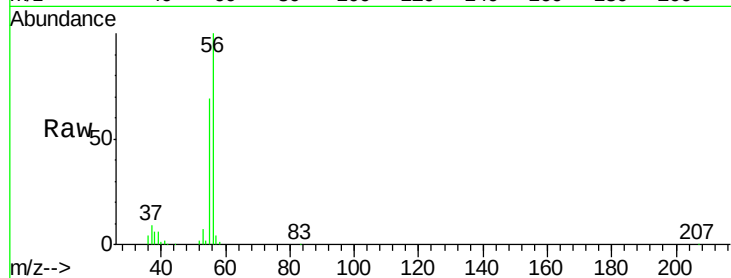
#13
 Acrolein
 Concen: 239.082 ug/l
 RT: 3.75 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

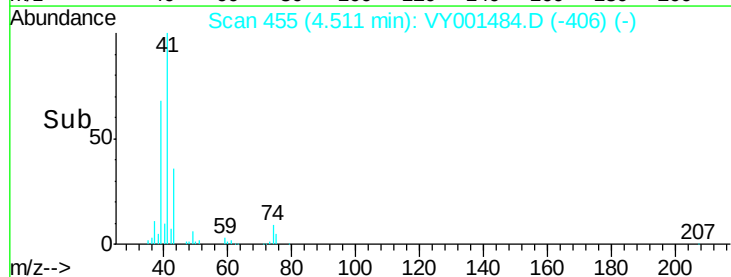
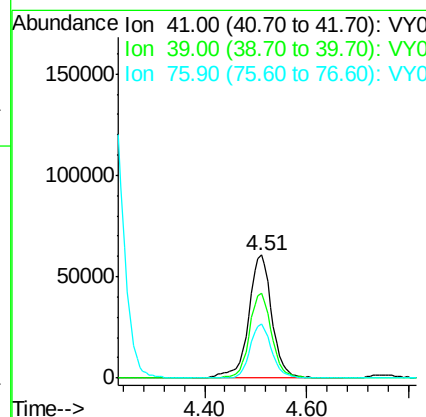
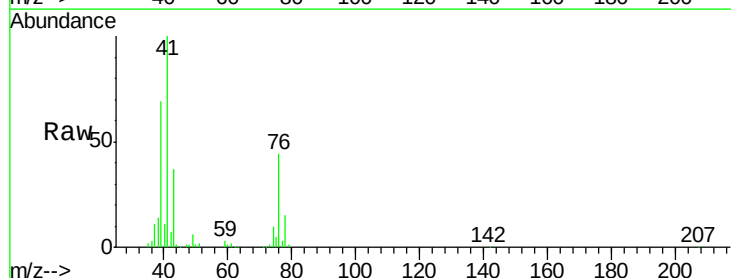
Manual Integrations
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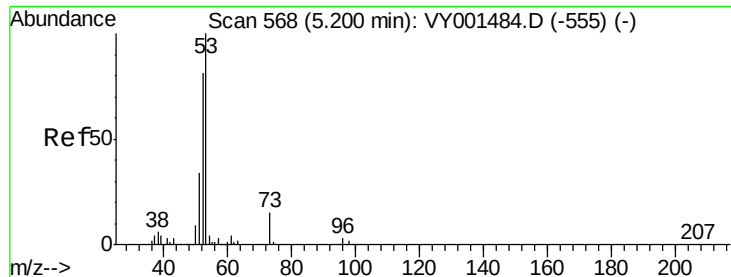
MMDadoda
 2/5/2020 12:23:43 PM



#14
 Allyl chloride
 Concen: 43.401 ug/l
 RT: 4.51 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.0	79.6
76	40.7	32.6	48.8





#15

Acrylonitrile

Concen: 196.379 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

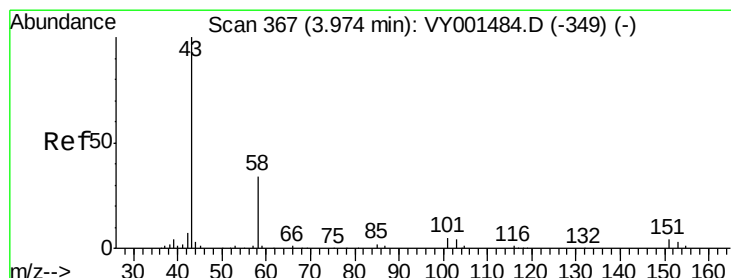
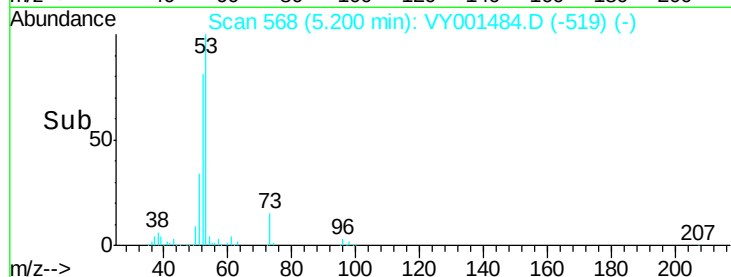
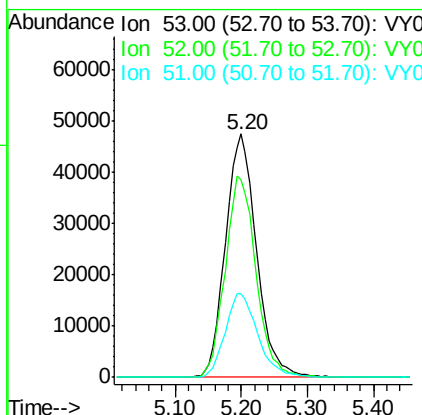
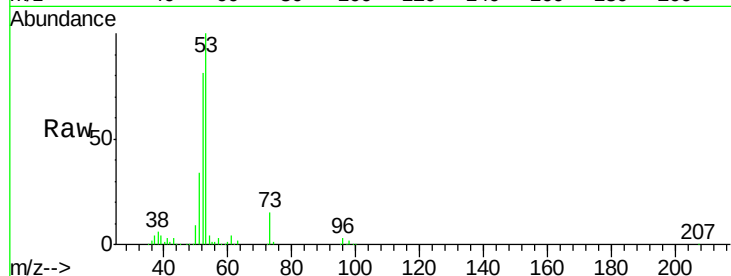
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	154643
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.4	98.2
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 228.793 ug/l

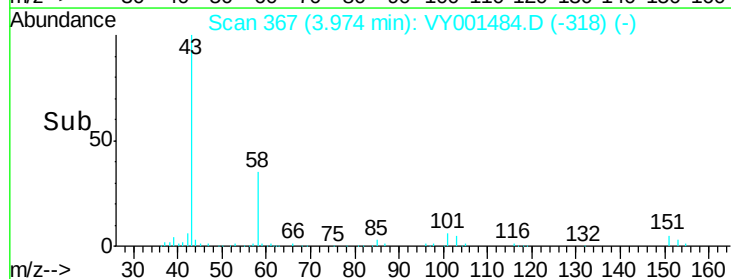
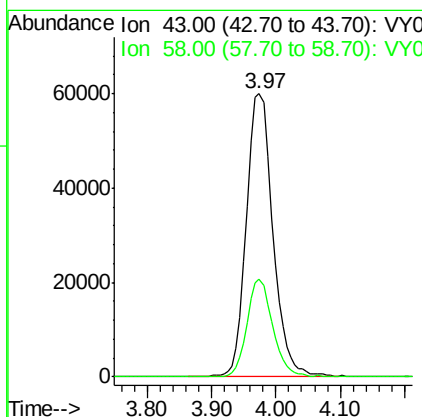
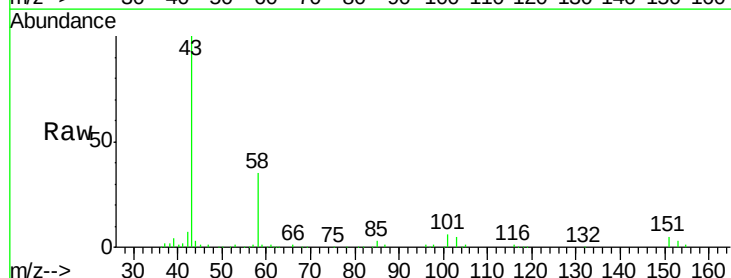
RT: 3.97 min Scan# 367

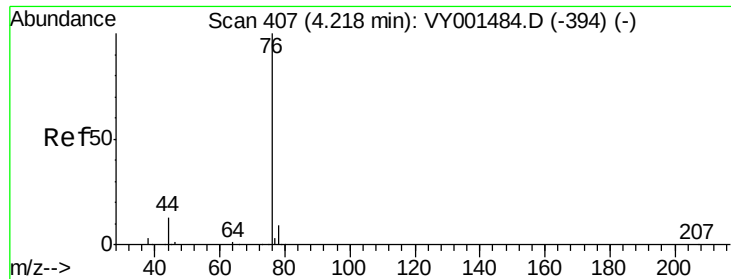
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	43	Resp:	169764
Ion Ratio		Lower	Upper
43	100		
58	34.4	27.5	41.3





#17

Carbon Disulfide

Concen: 50.747 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 406314

Ion Ratio Lower Upper

76 100

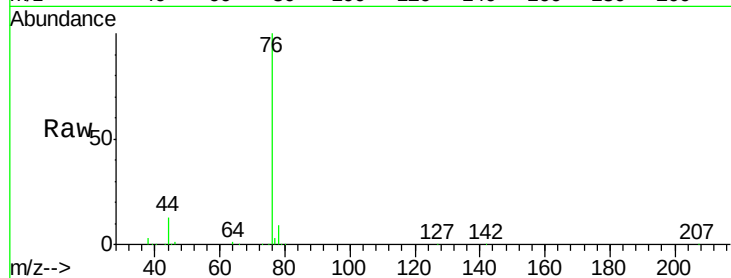
78 8.8 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

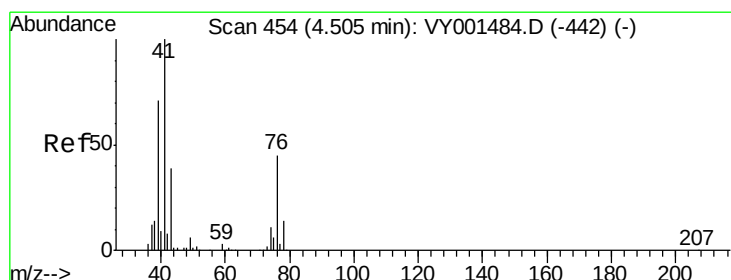
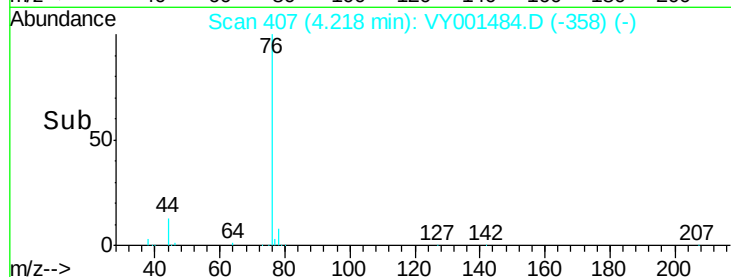
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 32.826 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001484.D

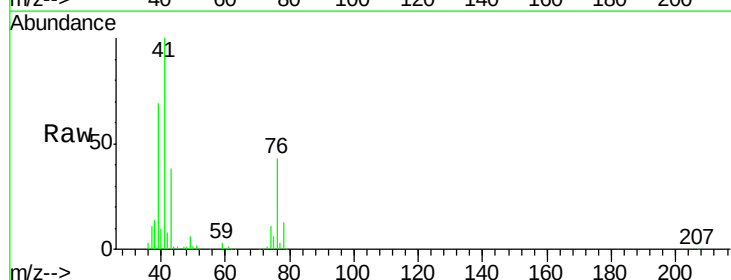
Acq: 04 Feb 2020 13:59

Tgt Ion: 43 Resp: 68009

Ion Ratio Lower Upper

43 100

74 26.3 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

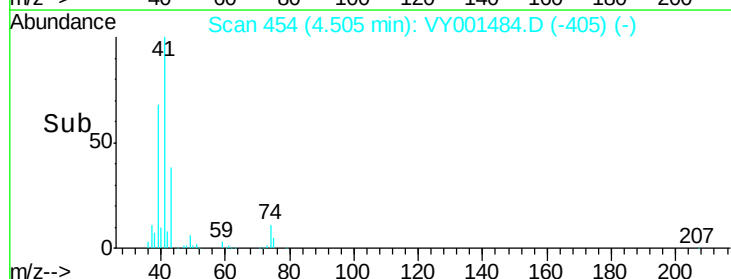
15000

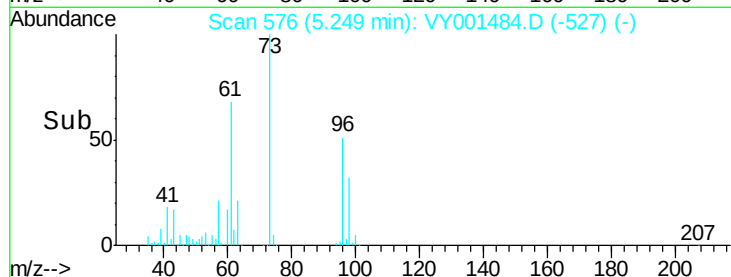
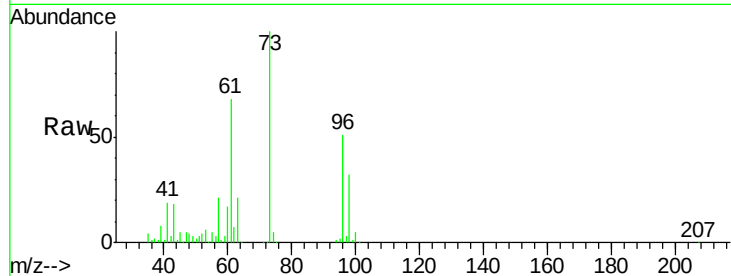
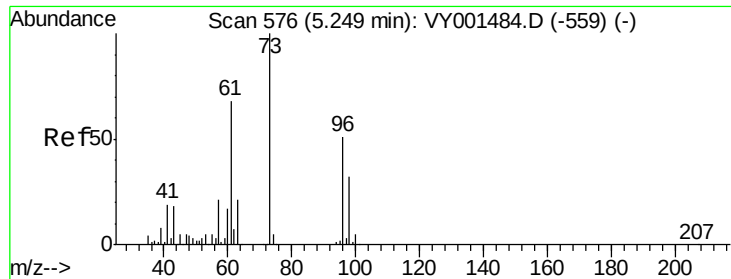
10000

5000

0

Time-->





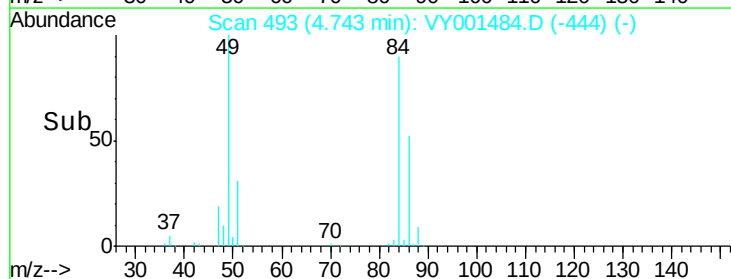
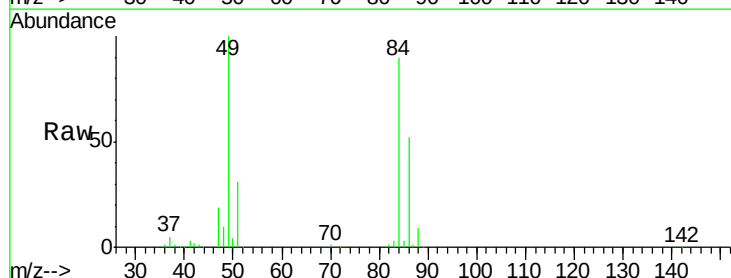
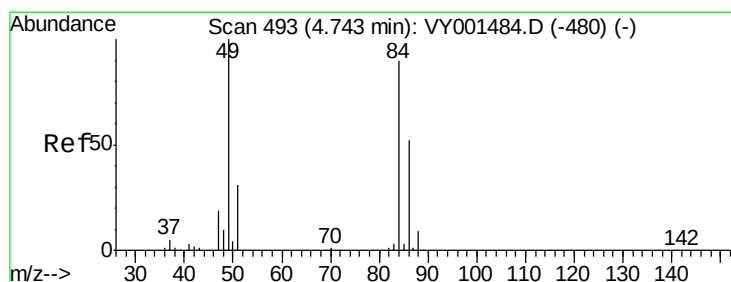
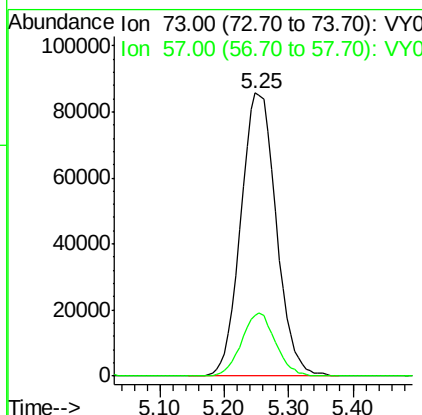
#19
Methyl tert-butyl Ether
Concen: 44.675 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tot Ion: 73 Resp: 324808
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

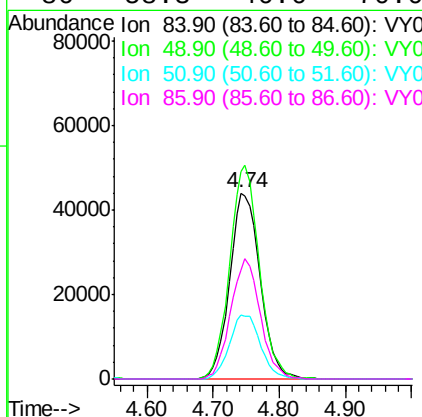
Manual Integrations
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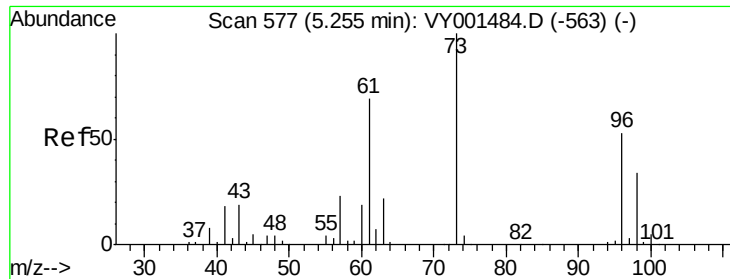
MMDadoda
2/5/2020 12:23:43 PM



#20
Methylene Chloride
Concen: 35.700 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion: 84 Resp: 140723
Ion Ratio Lower Upper
84 100
49 111.3 89.0 133.6
51 34.3 27.4 41.2
86 58.3 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 47.688 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

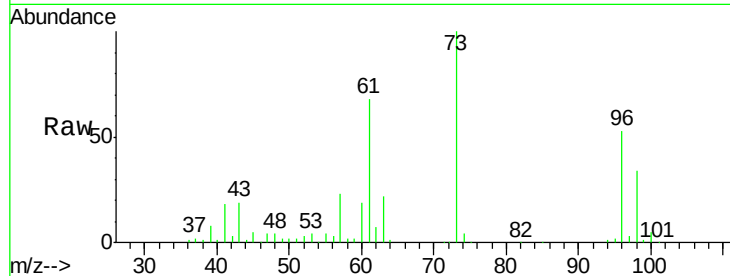
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	139253
Ion	Ratio	Lower	Upper
96	100		
61	130.3	104.2	156.4
98	64.2	51.4	77.0

Manual Integrations
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2/5/2020 12:23:43 PM

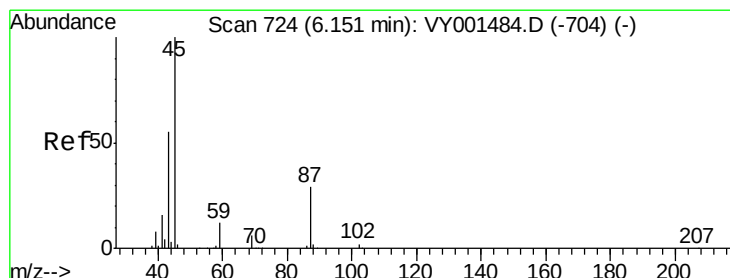
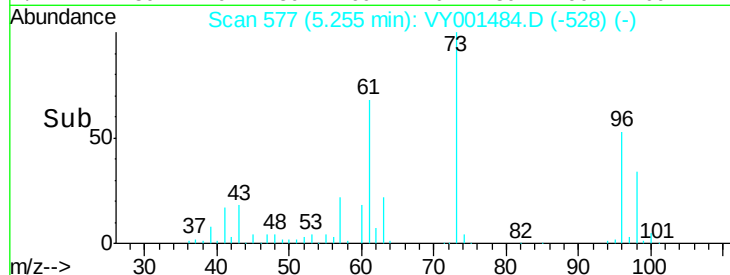
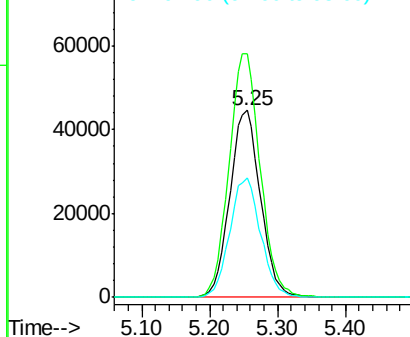


Abundance

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: 40.890 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	45	Resp:	379462
Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.2	66.4
87	29.9	23.9	35.9
59	12.7	10.2	15.2

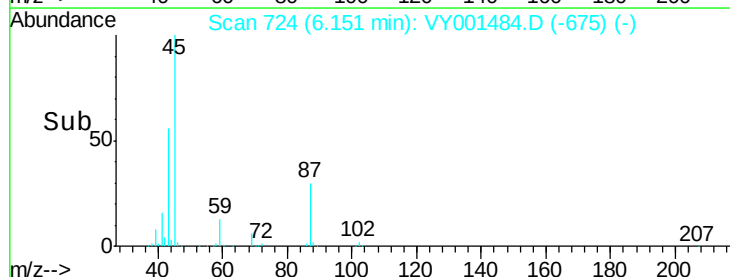
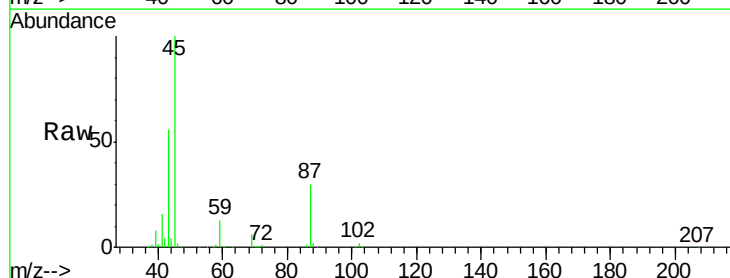
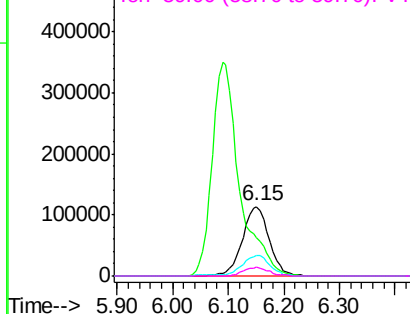
Abundance

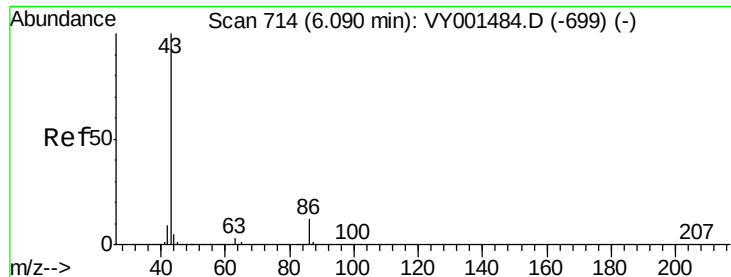
Ion 45.00 (44.70 to 45.70): VY0

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: 199.695 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1195382

Ion Ratio Lower Upper

43 100

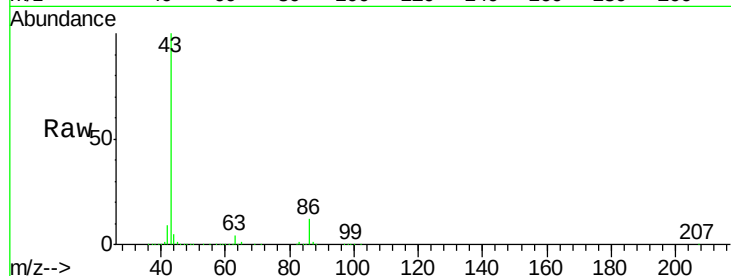
86 12.3 9.8 14.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

400000

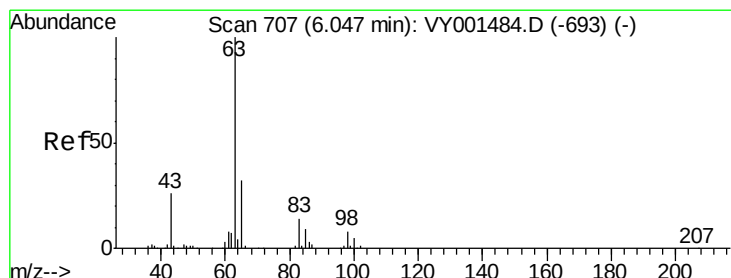
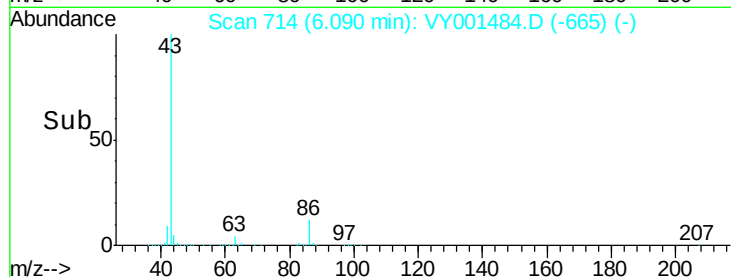
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 45.891 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

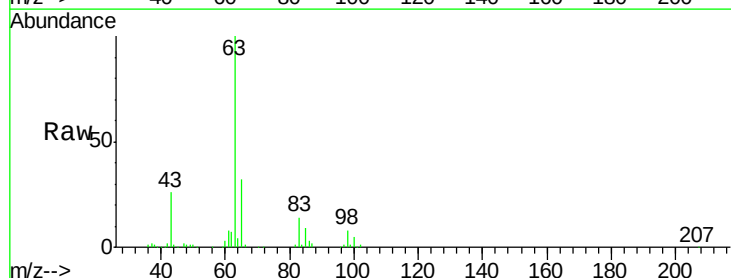
Tgt Ion: 63 Resp: 228498

Ion Ratio Lower Upper

63 100

98 7.9 4.0 11.9

100 5.3 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

6.05

100000

80000

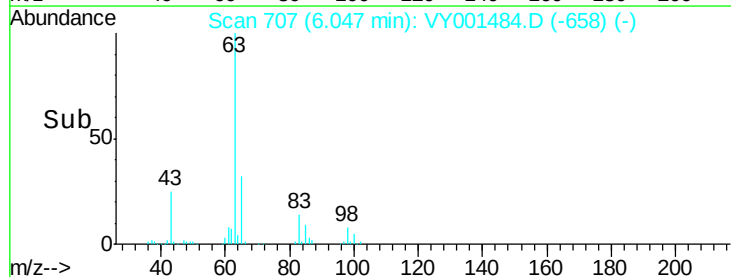
60000

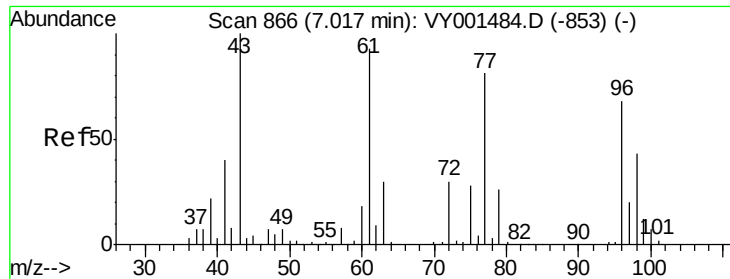
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 198.231 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 215821

Ion Ratio Lower Upper

43 100

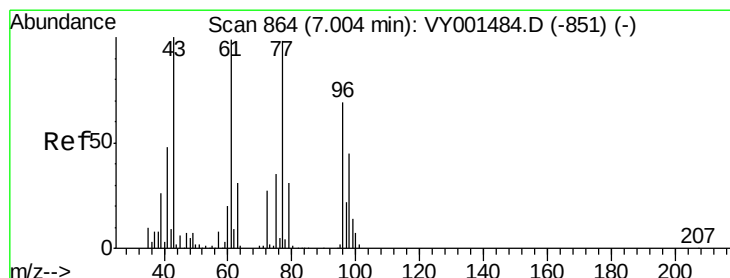
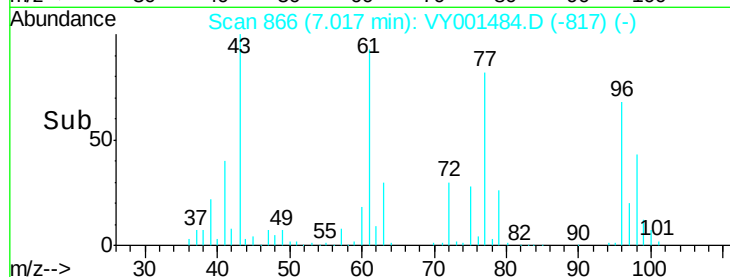
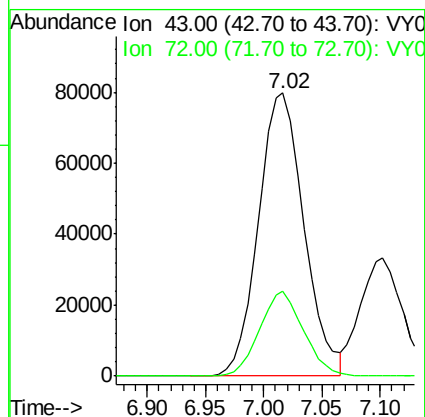
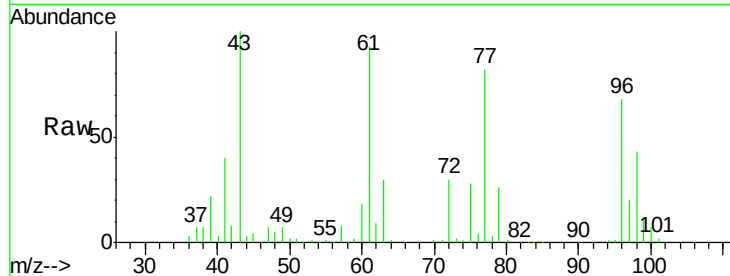
72 29.8 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:43 PM



#26

2,2-Dichloropropane

Concen: 47.158 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001484.D

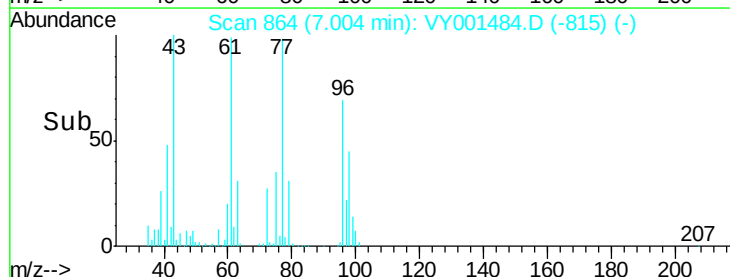
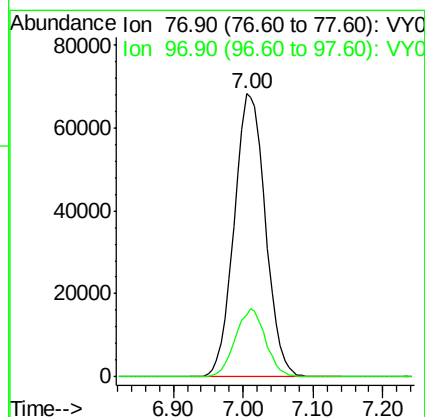
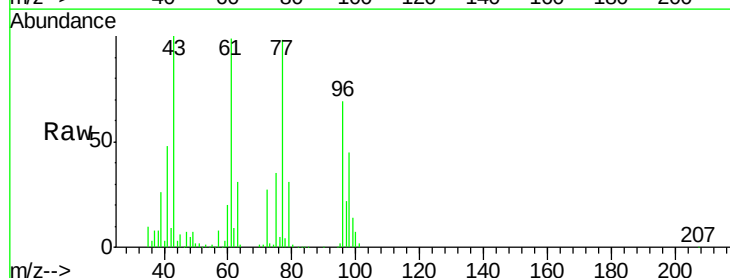
Acq: 04 Feb 2020 13:59

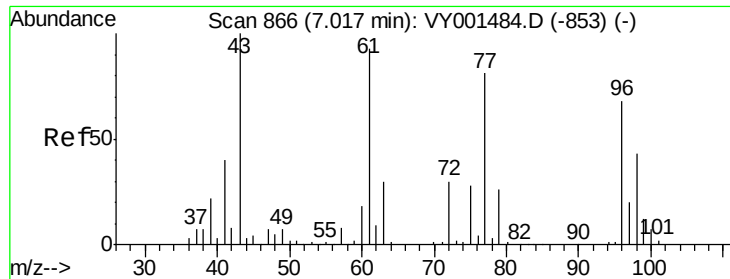
Tgt Ion: 77 Resp: 211347

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





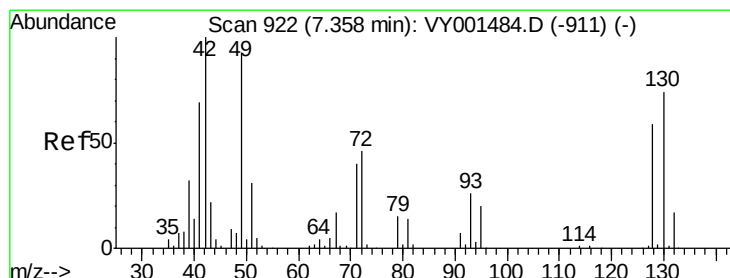
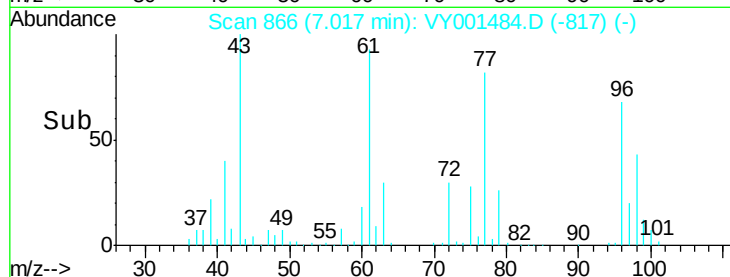
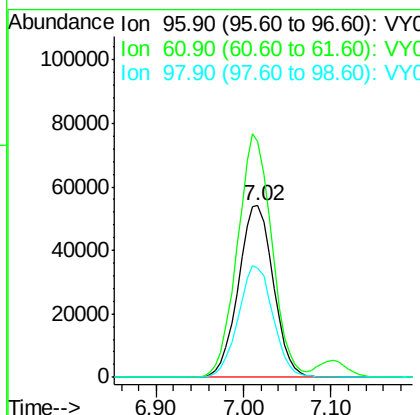
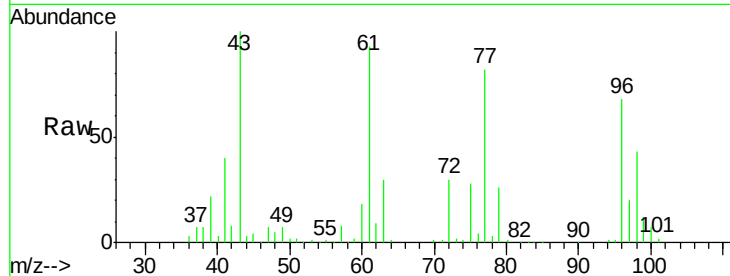
#27
 cis-1,2-Dichloroethene
 Concen: 46.375 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150459		
61	139.4	0.0	278.8	
98	64.4	0.0	128.8	

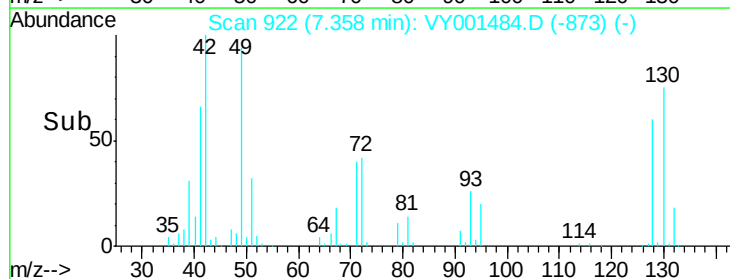
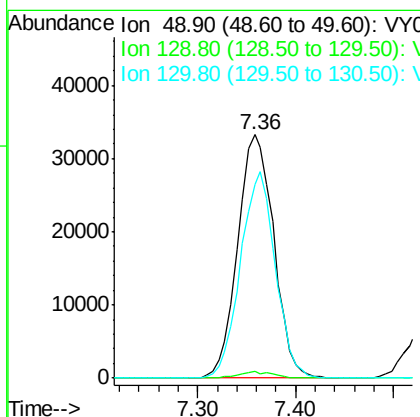
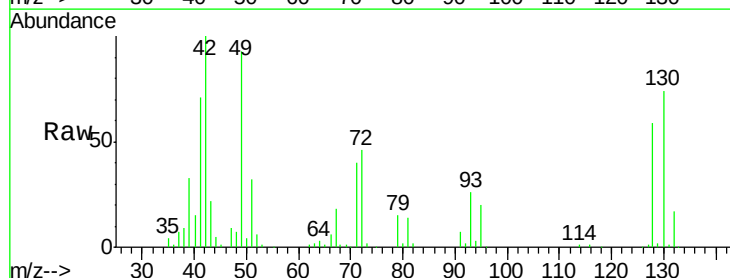
Manual Integrations
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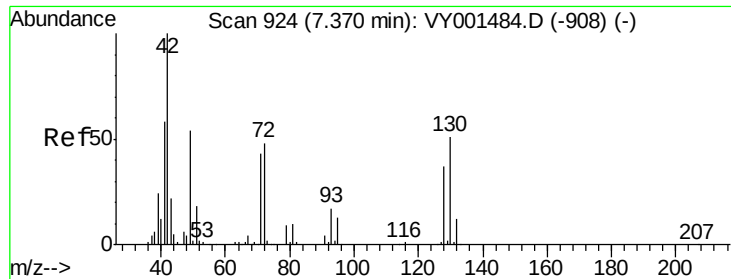
MMDadoda
 2/5/2020 12:23:43 PM



#28
 Bromochloromethane
 Concen: 42.512 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85403		
129	2.4	0.0	4.8	
130	81.8	65.4	98.2	





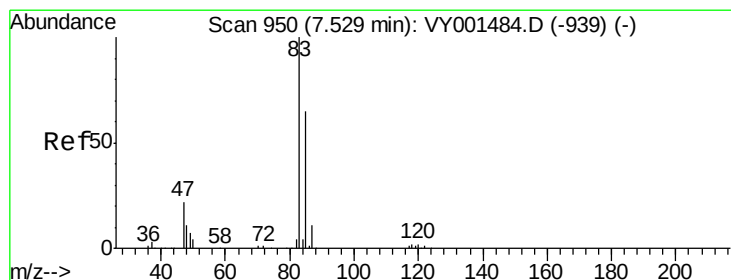
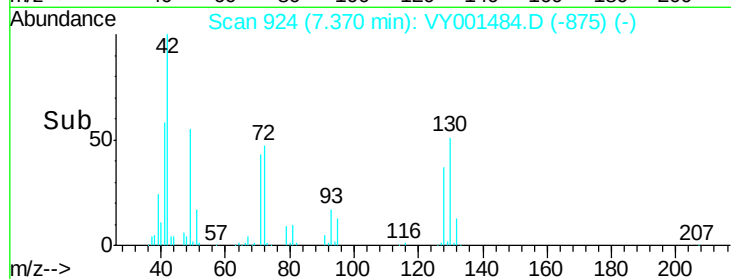
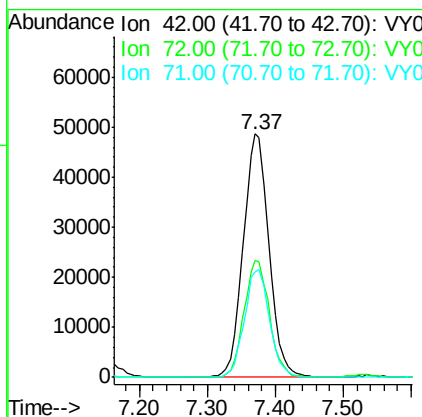
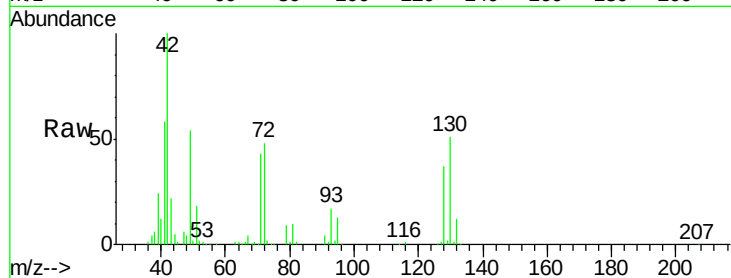
#29
Tetrahydrofuran
Concen: 182.861 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	43.5	34.8	52.2

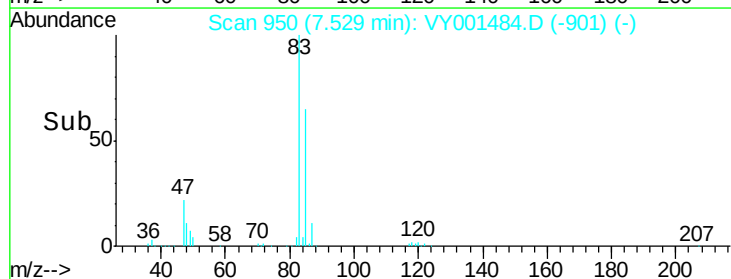
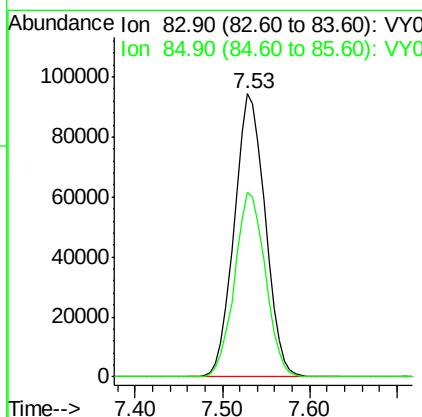
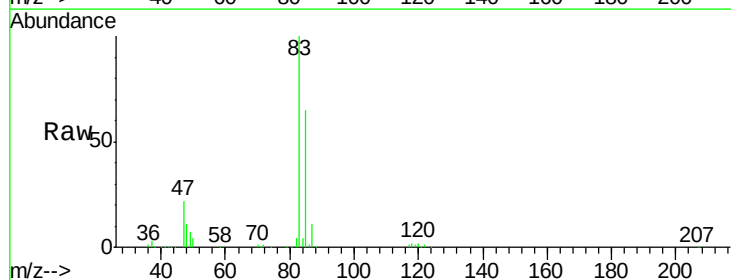
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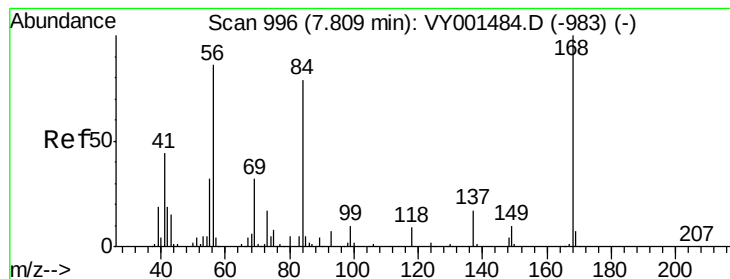
MMDadoda
2/5/2020 12:23:43 PM



#30
Chloroform
Concen: 47.116 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 45.497 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

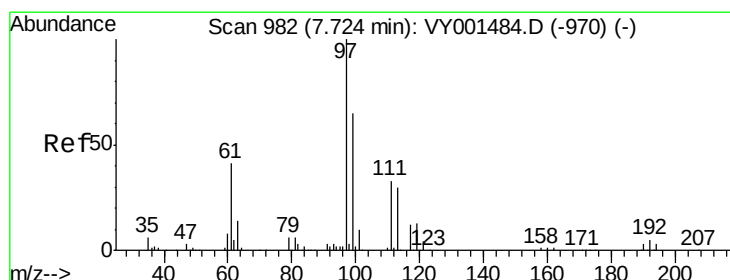
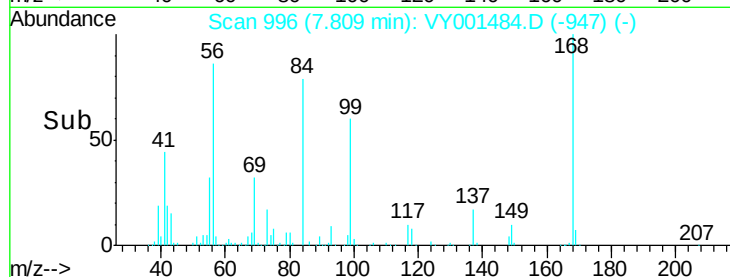
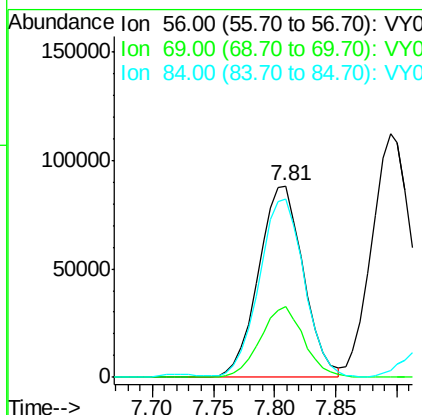
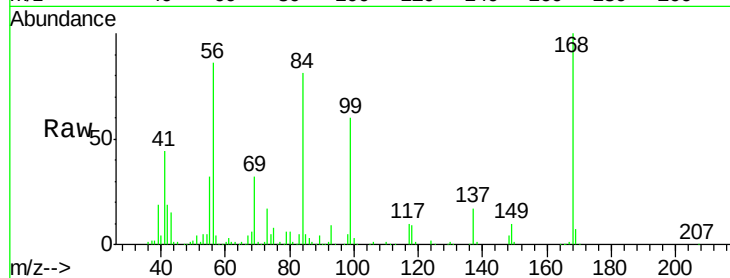
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	29.6	44.4
84	92.0	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.617 ug/l

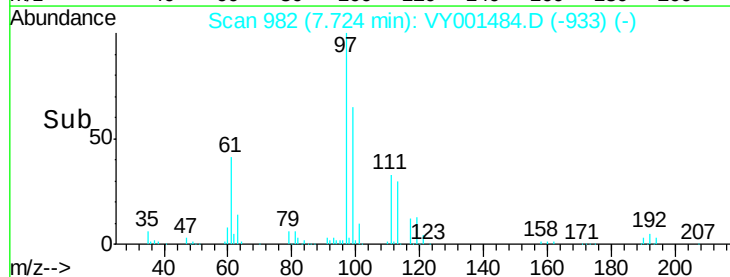
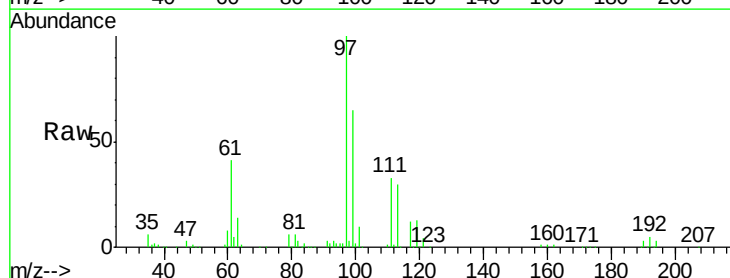
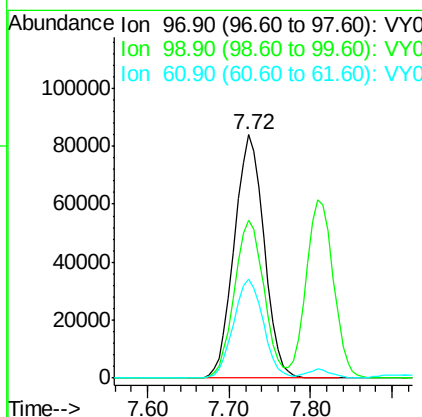
RT: 7.72 min Scan# 982

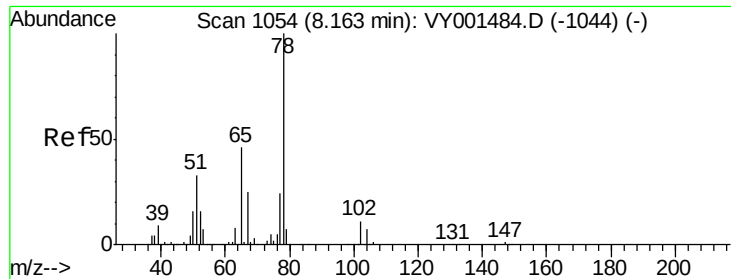
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	40.6	32.5	48.7





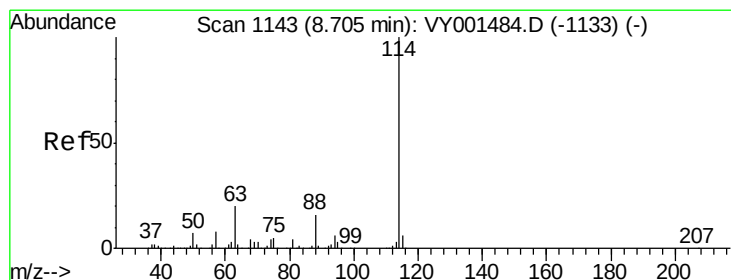
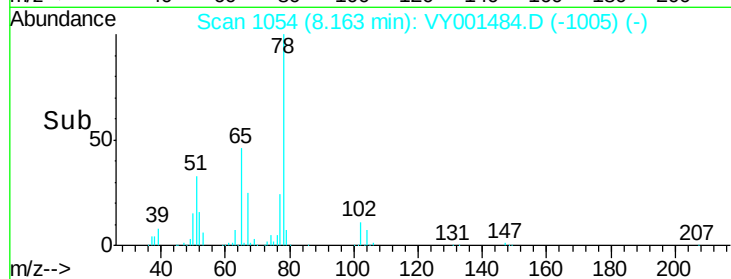
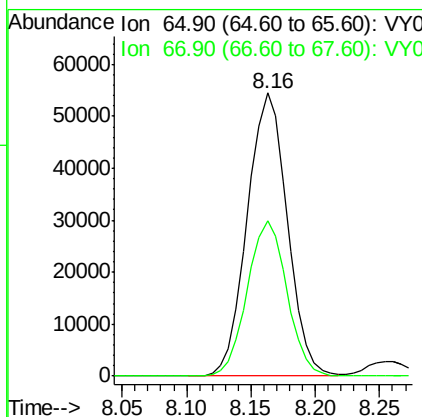
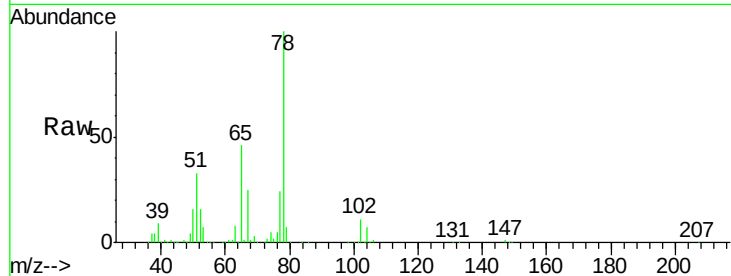
#33
 1,2-Dichloroethane-d4
 Concen: 46.237 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117343		
67	54.3	0.0	108.6	

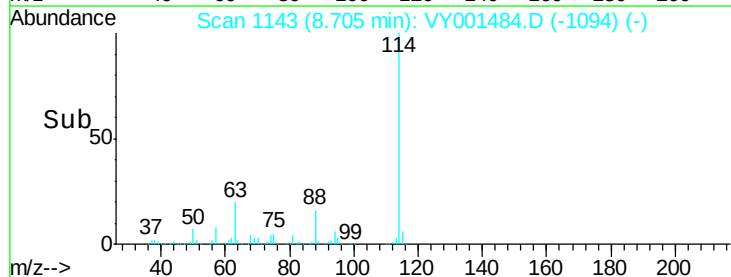
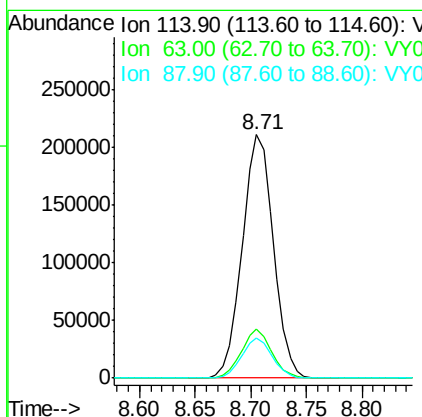
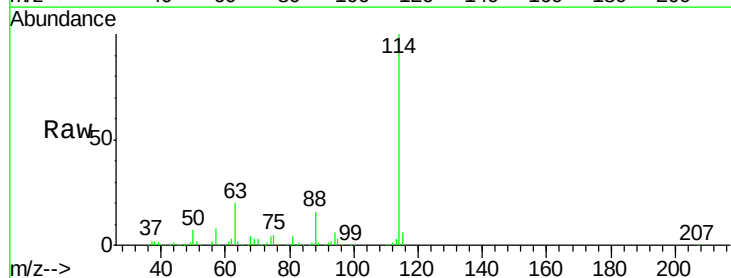
Manual Integrations
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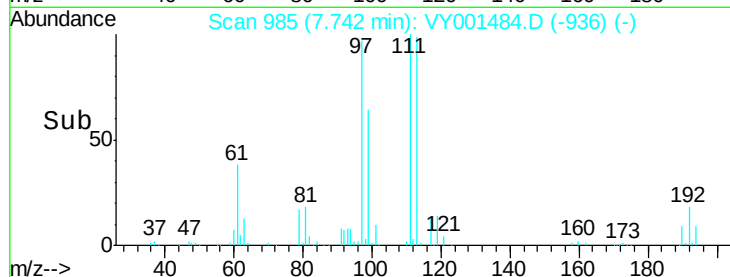
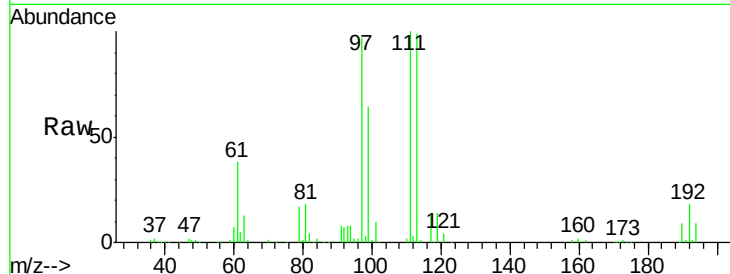
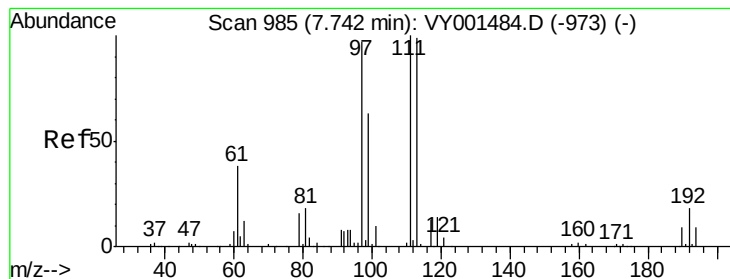
MMDadoda
 2/5/2020 12:23:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409936		
63	19.9	0.0	39.8	
88	16.3	0.0	32.6	





#35

Dibromofluoromethane

Concen: 47.867 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001484.D

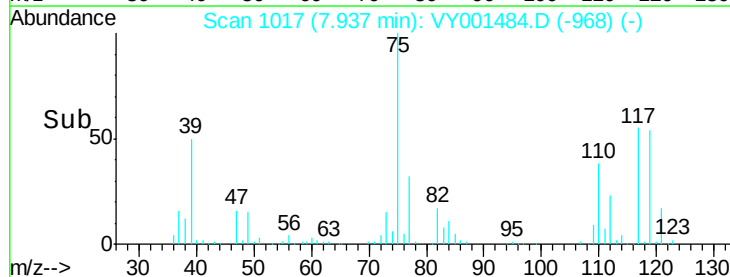
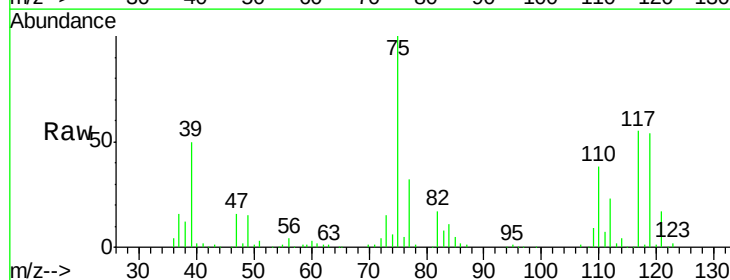
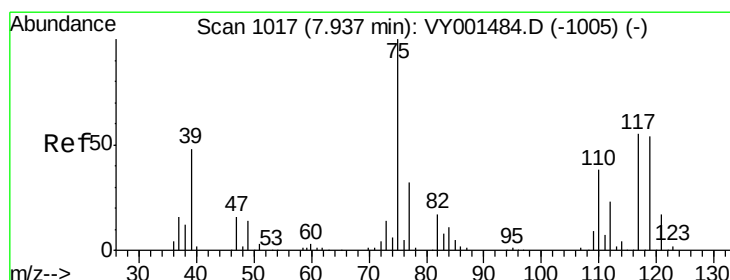
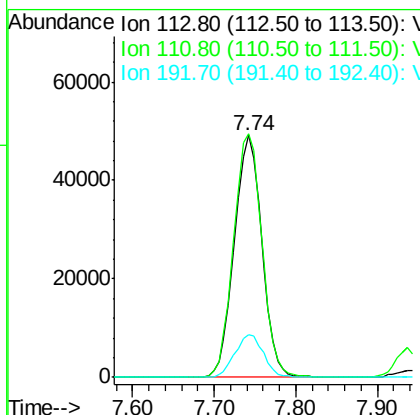
Acq: 04 Feb 2020 13:59

Tot Ion:	113	Resp:	114499
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	18.3	14.6	22.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.111 ug/l

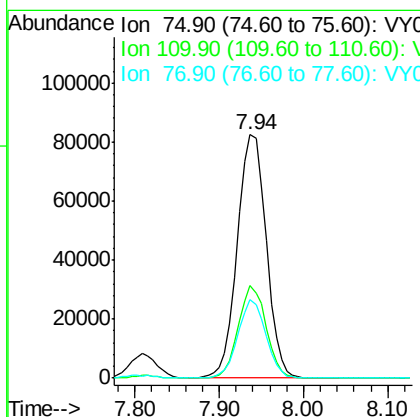
RT: 7.94 min Scan# 1017

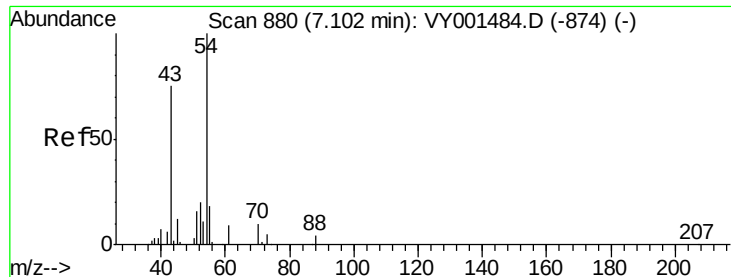
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	75	Resp:	190767
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.2	54.6
77	31.2	25.0	37.4





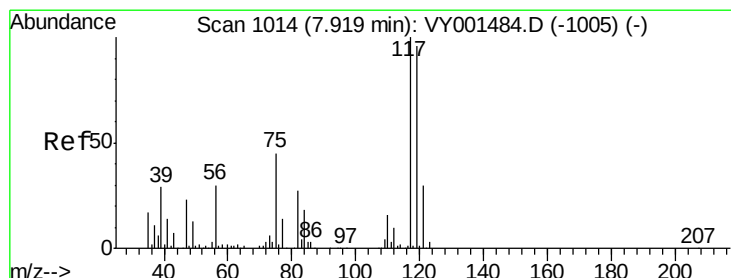
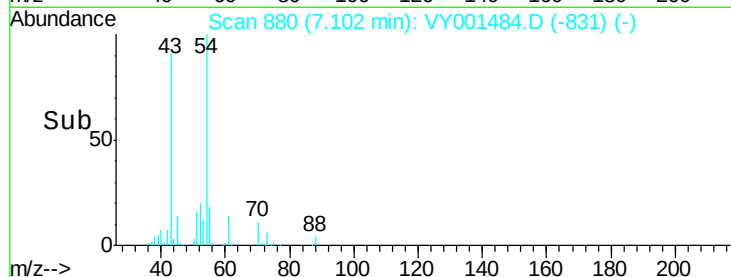
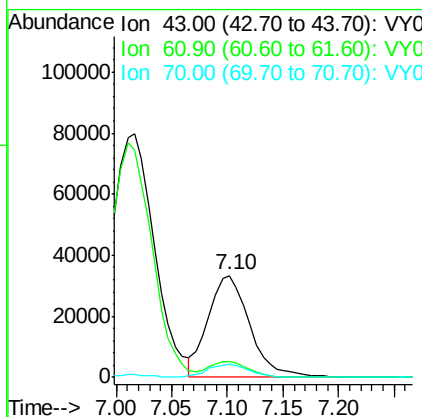
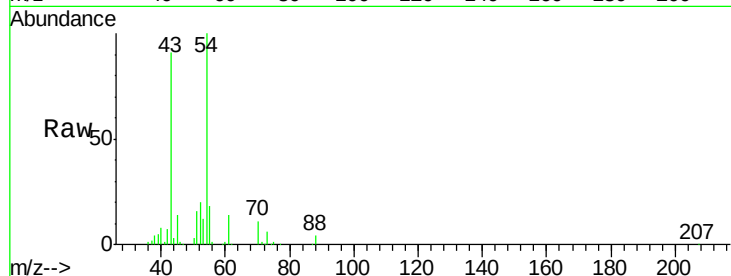
#37
Ethyl Acetate
Concen: 38.063 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	12.8	10.2	15.4

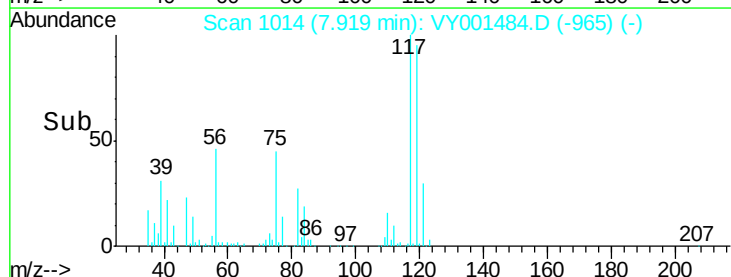
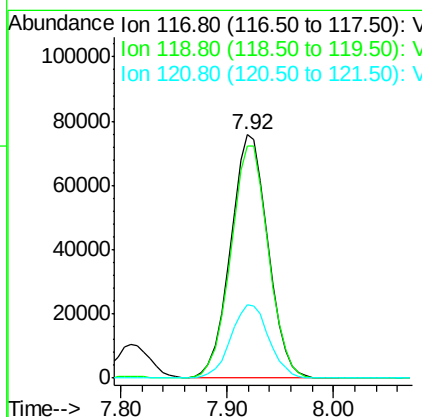
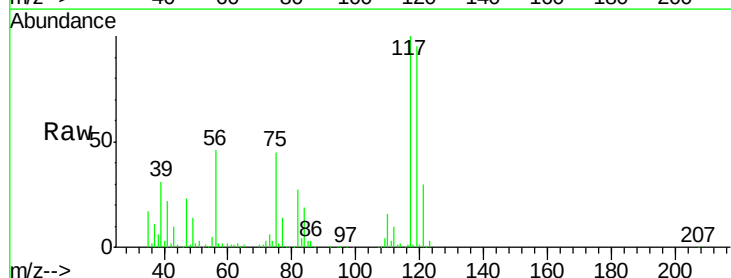
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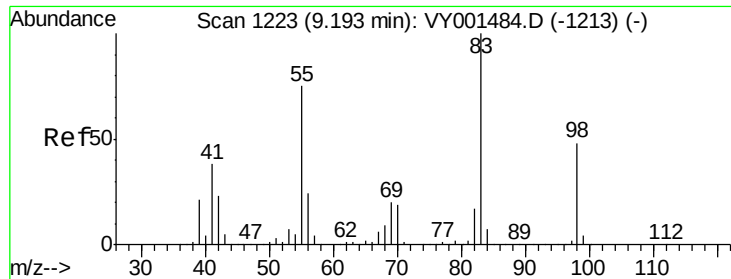
MMDadoda
2/5/2020 12:23:43 PM



#38
Carbon Tetrachloride
Concen: 53.184 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.4	114.6
121	30.3	24.2	36.4





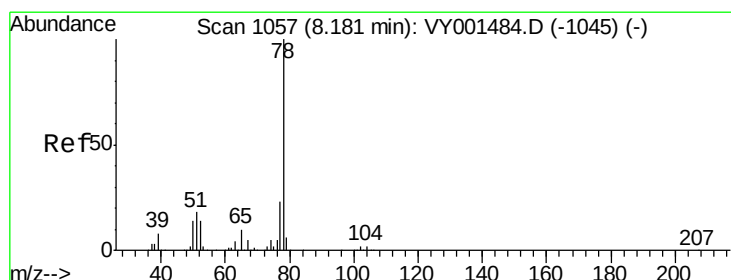
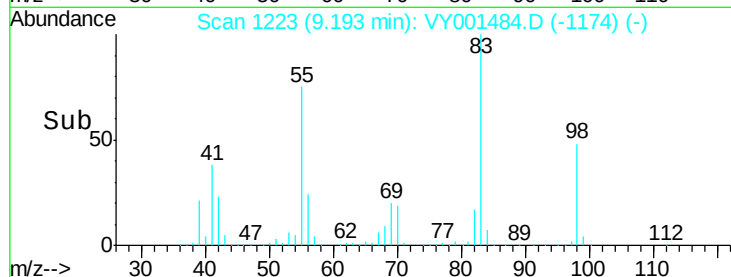
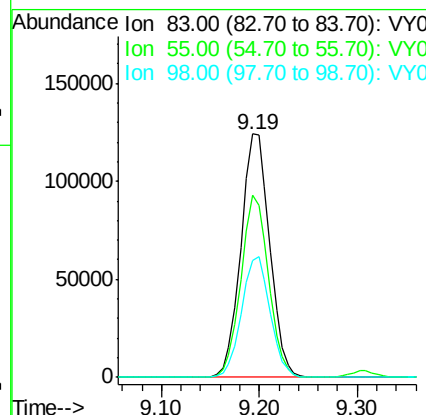
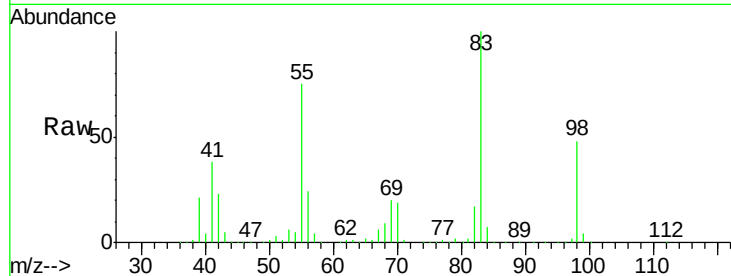
#39
Methylvlcyclohexane
Concen: 50.877 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	254214
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	59.8	89.6
98	48.2	38.6	57.8

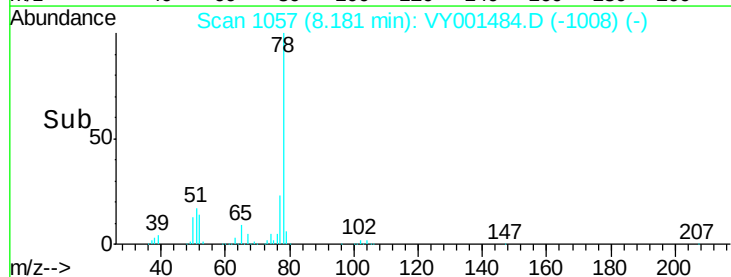
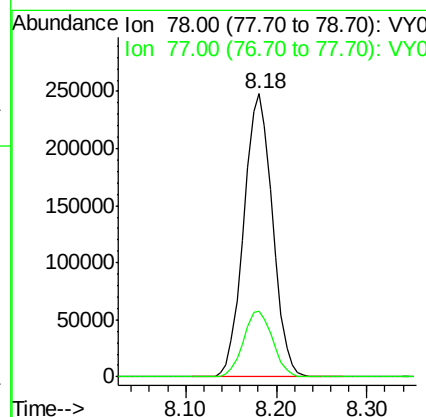
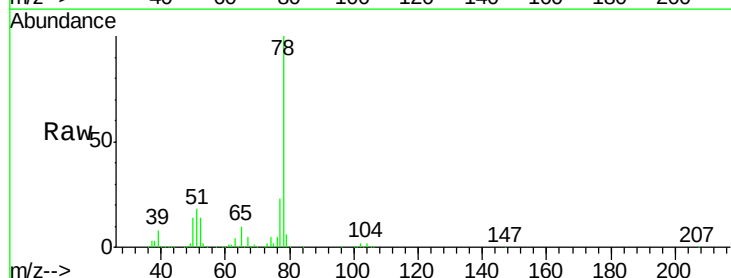
Manual Integrations
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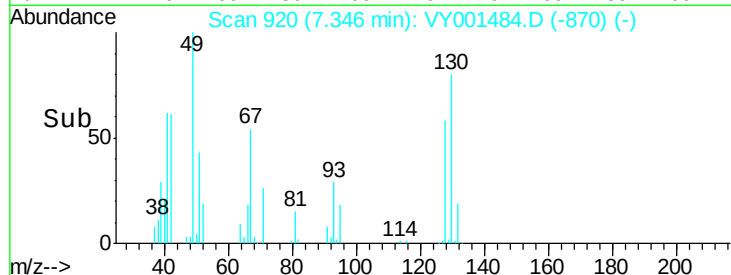
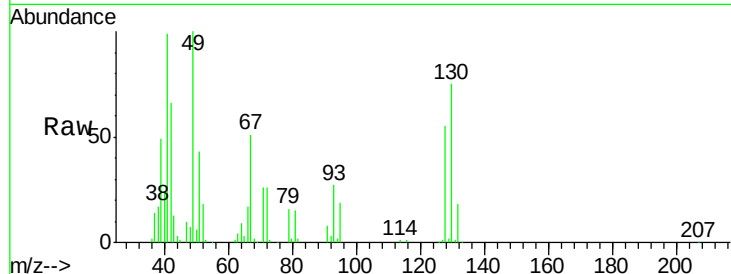
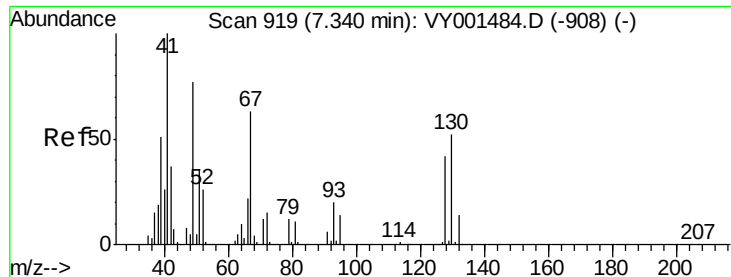
MMDadoda
2/5/2020 12:23:43 PM



#40
Benzene
Concen: 46.963 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	78	Resp	541717
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.5	27.7





#41

Methacrylonitrile

Concen: 40.428 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tot Ion:	41	Resp:	46875
Ion	Ratio	Lower	Upper
41	100		
39	118.7	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

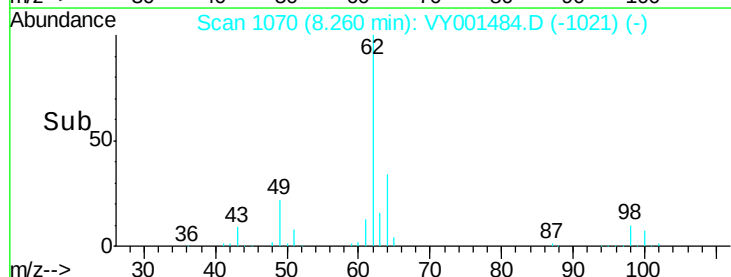
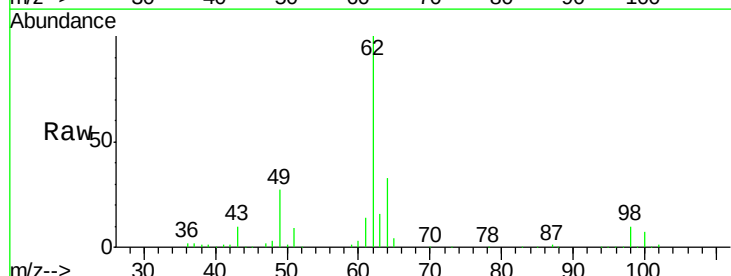
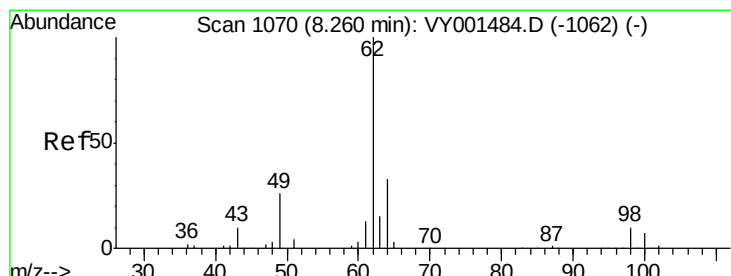
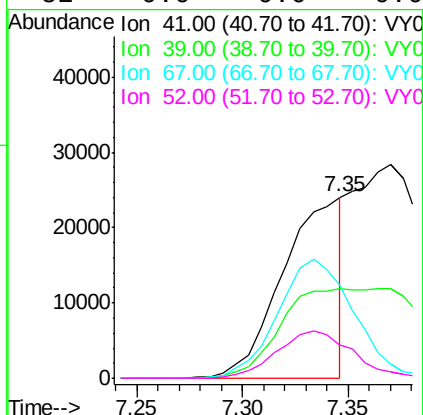
MSVOA_Y

ClientSampleId :

VSTDICCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 45.616 ug/l

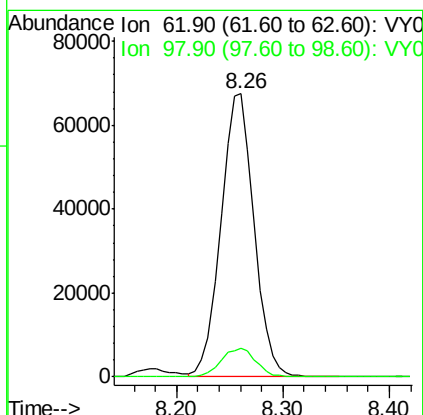
RT: 8.26 min Scan# 1070

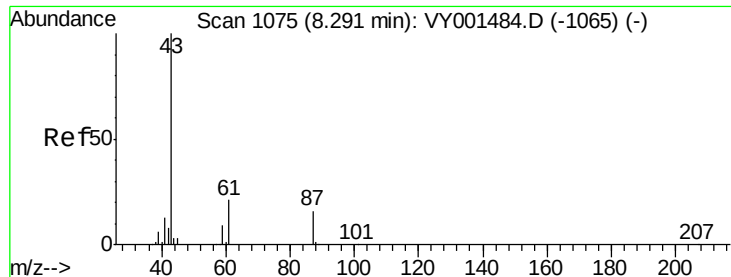
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	62	Resp:	146157
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 39.213 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

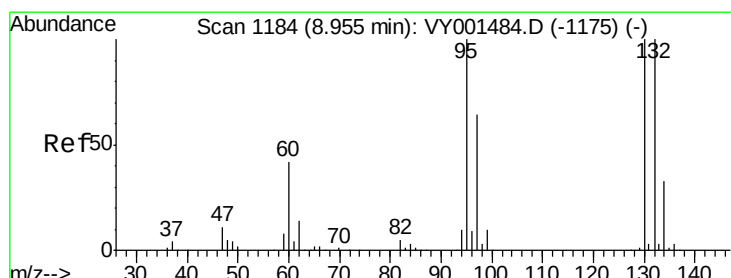
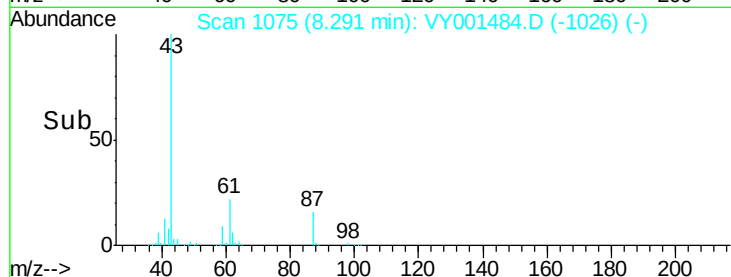
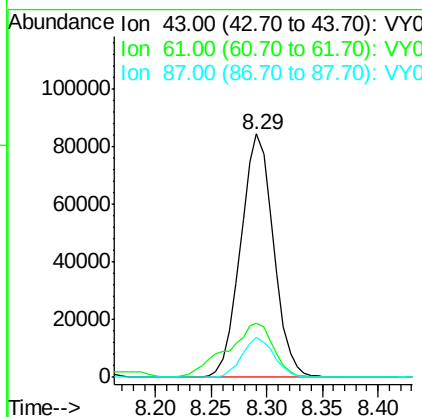
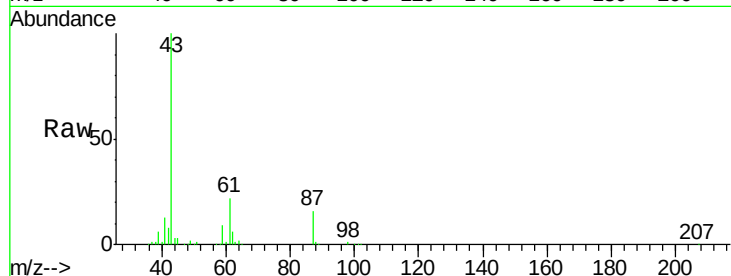
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	173191
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.1	37.7
87	15.8	12.6	19.0

Manual Integrations
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2/5/2020 12:23:43 PM



#44

Trichloroethene

Concen: 48.660 ug/l

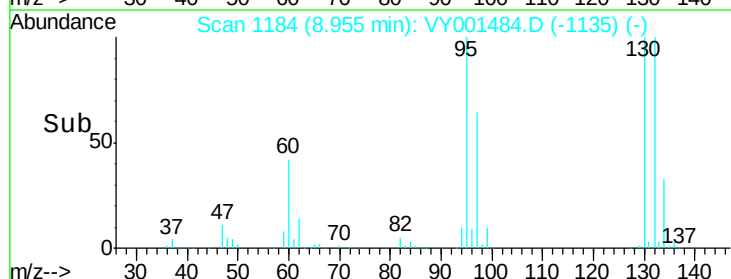
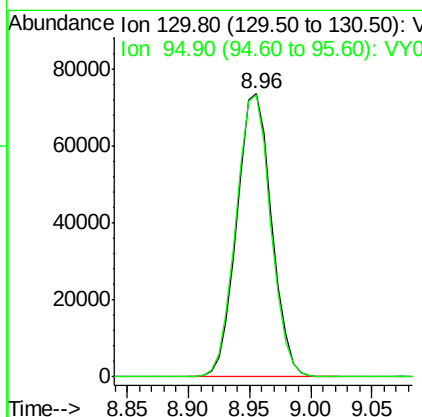
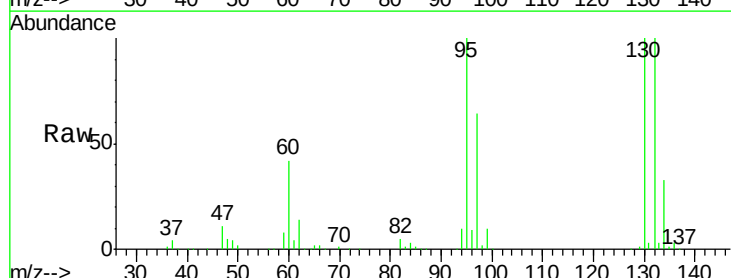
RT: 8.96 min Scan# 1184

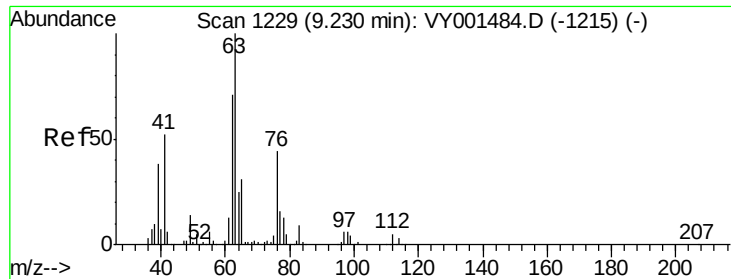
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	130	Resp:	145374
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	199.2





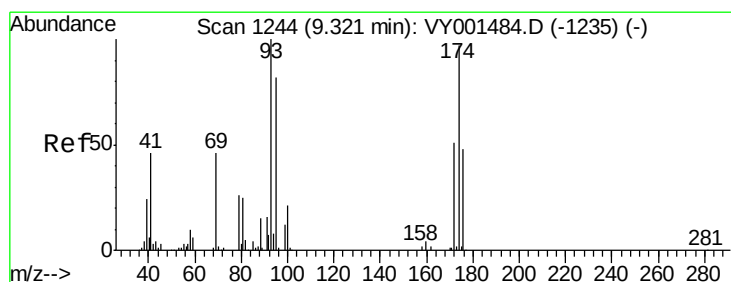
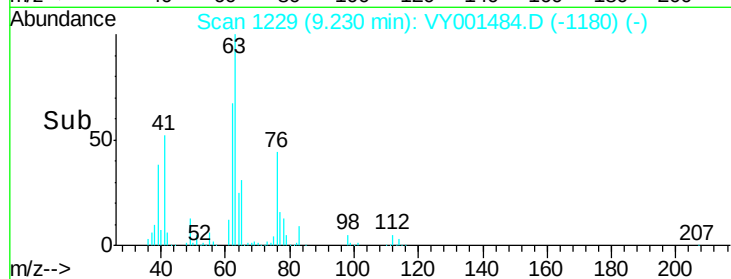
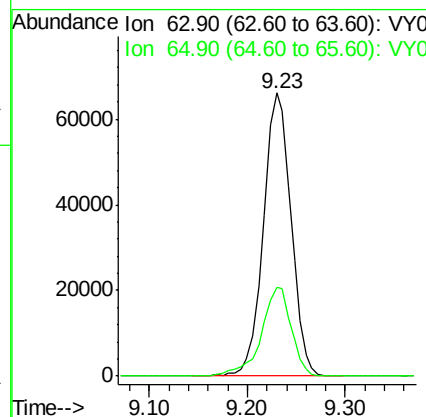
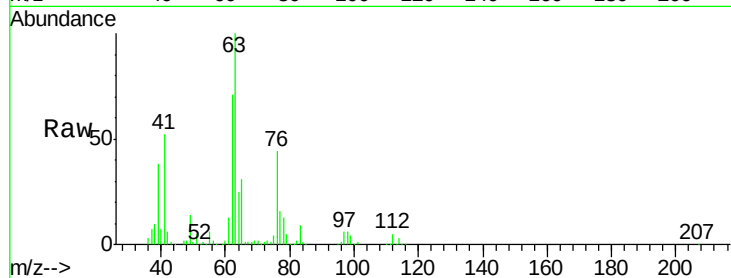
#45
 1,2-Dichloropropane
 Concen: 44.832 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4

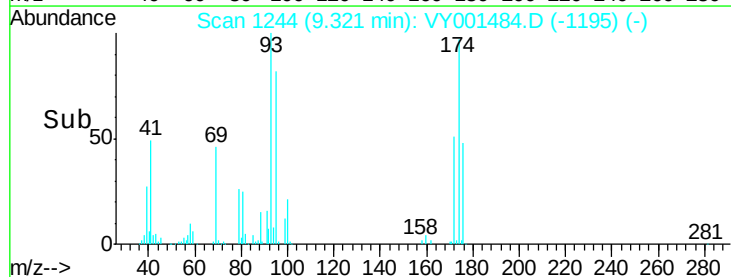
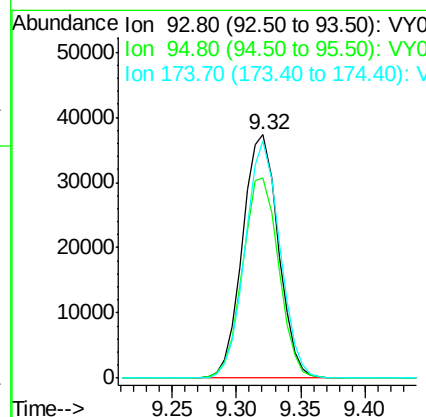
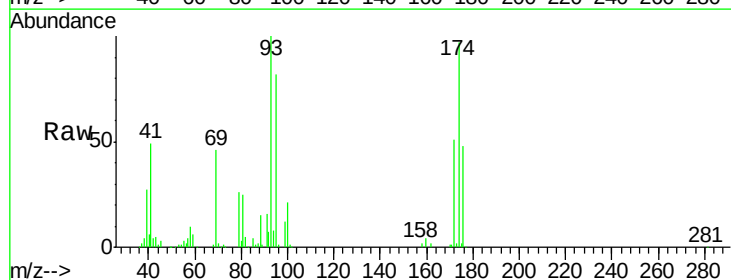
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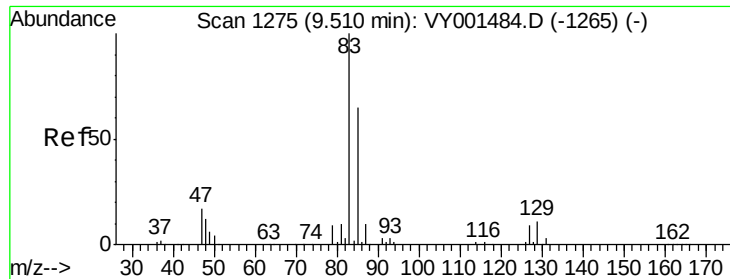
MMDadoda
 2/5/2020 12:23:43 PM



#46
 Dibromomethane
 Concen: 45.958 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	99.8
174	94.3	75.4	113.2





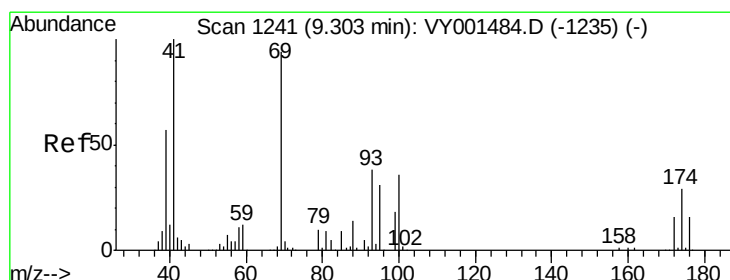
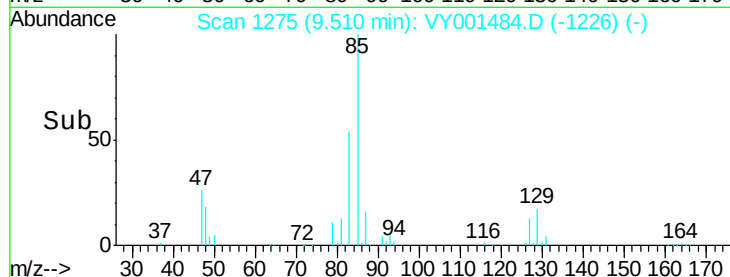
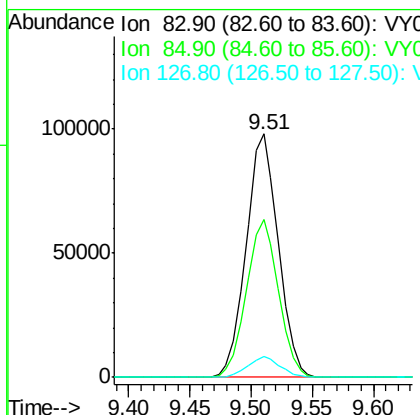
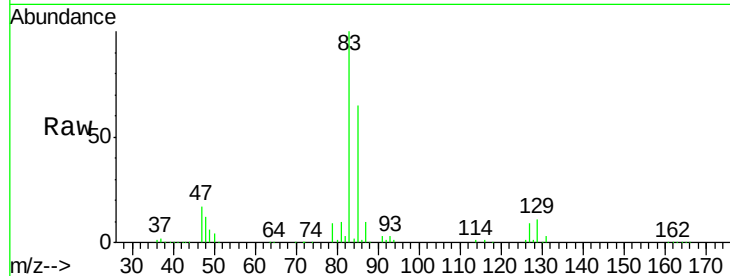
#47
Bromodichloromethane
Concen: 47.668 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	179022
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.9	77.9
127	8.6	6.9	10.3

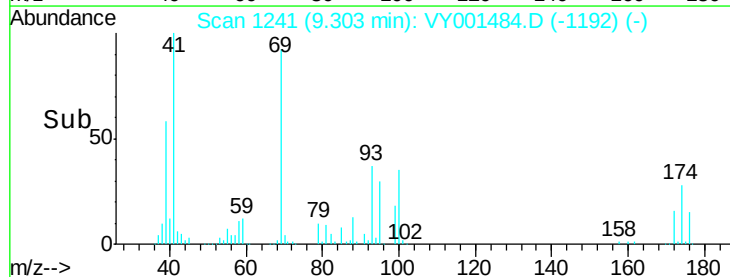
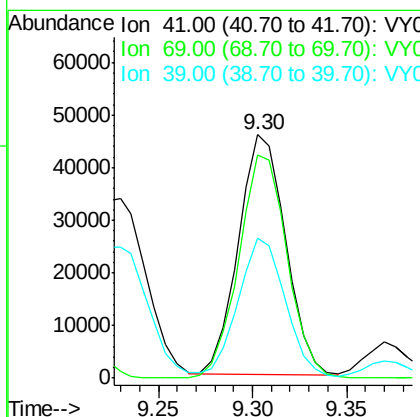
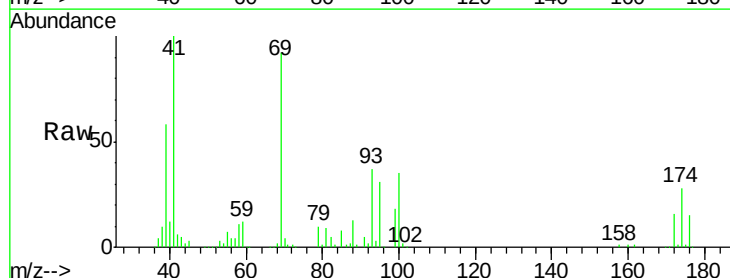
Manual Integrations
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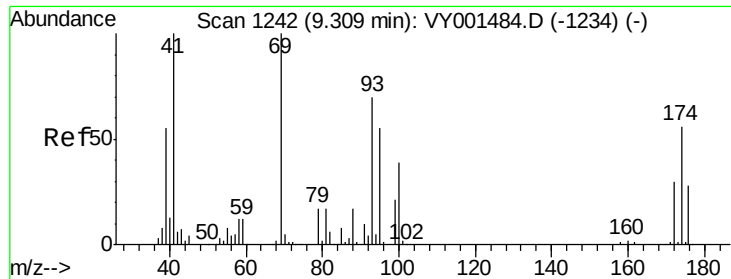
MMDadoda
2/5/2020 12:23:43 PM



#48
Methyl methacrylate
Concen: 39.311 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	41	Resp	79227
Ion Ratio	100	Lower	Upper
41	100		
69	95.7	76.6	114.8
39	56.7	45.4	68.0





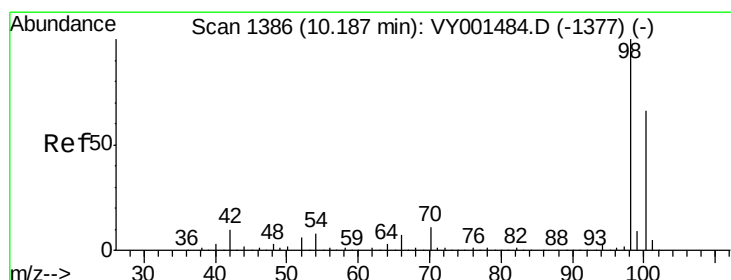
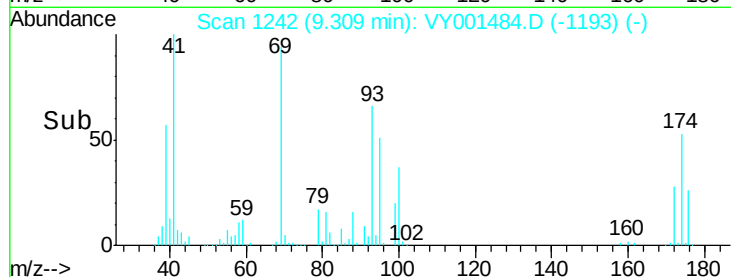
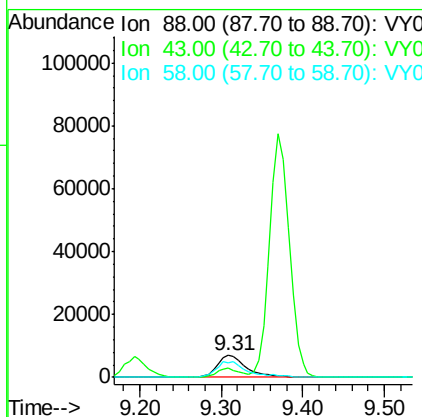
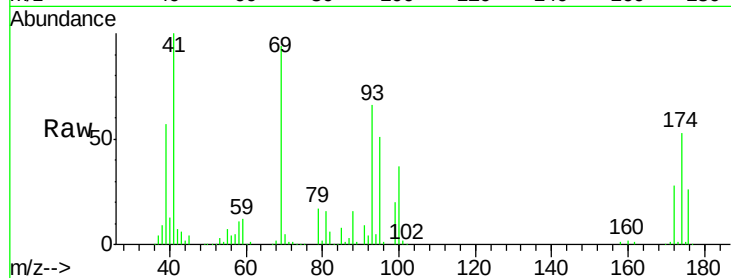
#49
 1,4-Dioxane
 Concen: 827.731 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDICCC050

Tot Ion	88	Resp	17933
Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.8	37.2
58	74.1	59.3	88.9

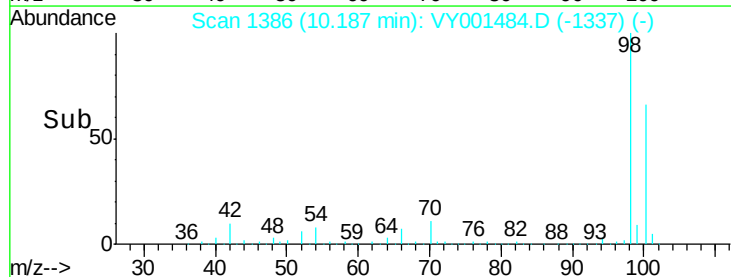
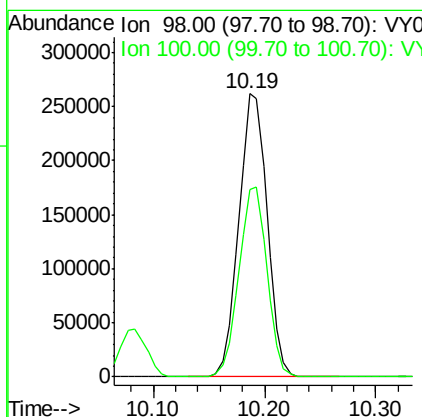
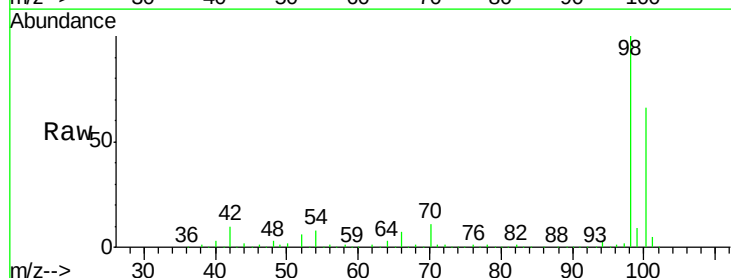
Manual Integrations
 APPROVED

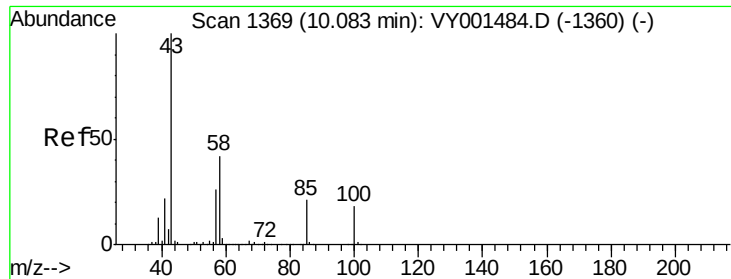
MMDadoda
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#50
 Toluene-d8
 Concen: 49.865 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	98	Resp	462594
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





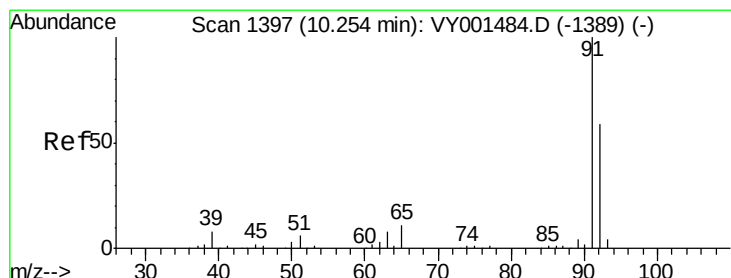
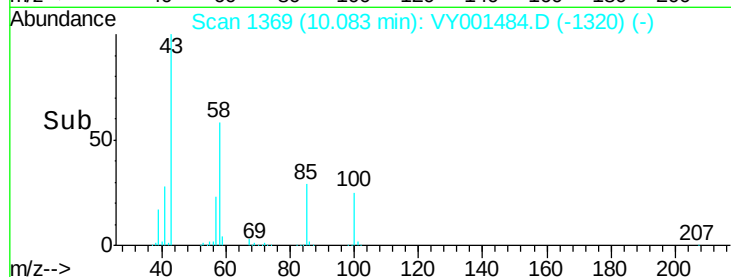
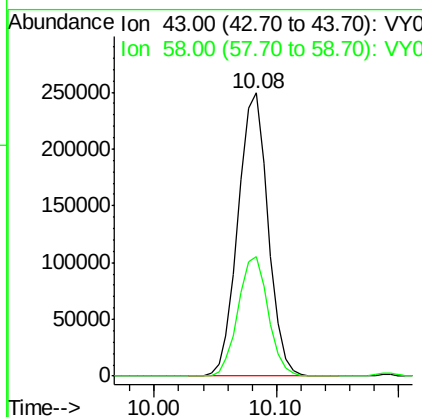
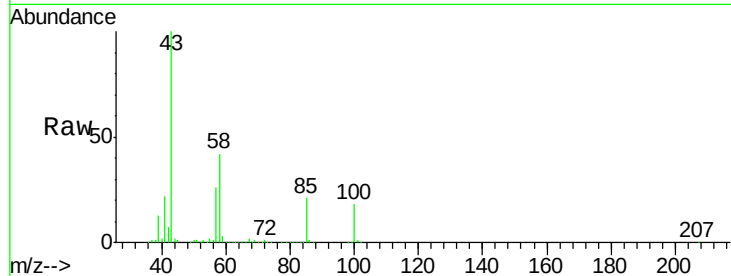
#51
4-Methyl-2-Pentanone
Concen: 186.790 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 423033
Ion Ratio Lower Upper
43 100
58 42.4 33.9 50.9

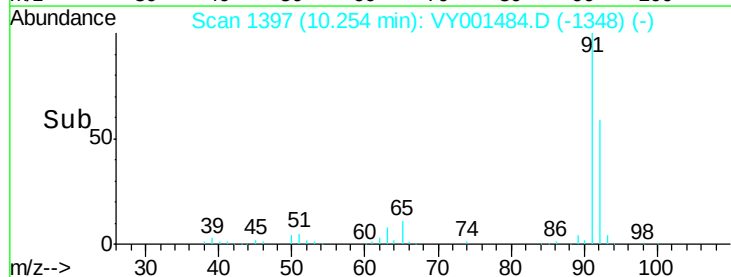
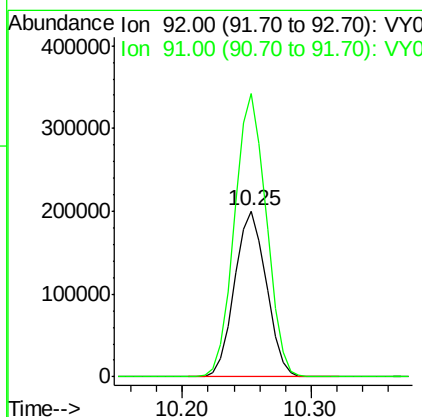
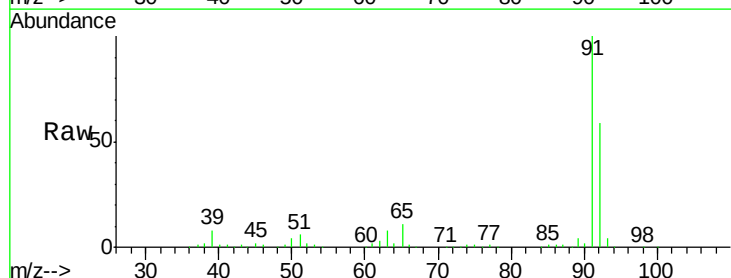
Manual Integrations
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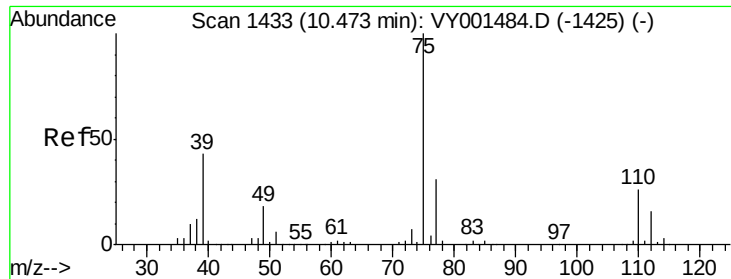
MMDadoda
2/5/2020 12:23:43 PM



#52
Toluene
Concen: 46.806 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion: 92 Resp: 342022
Ion Ratio Lower Upper
92 100
91 170.7 136.6 204.8





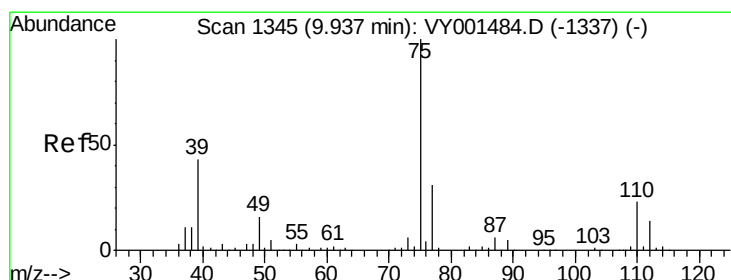
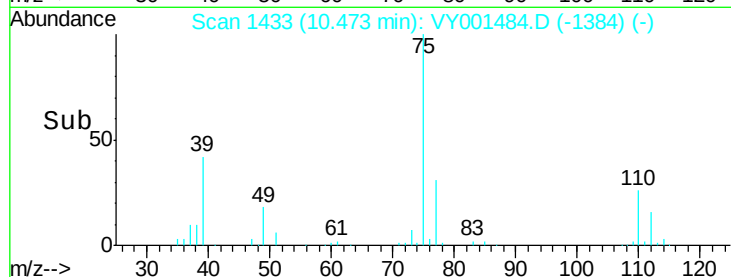
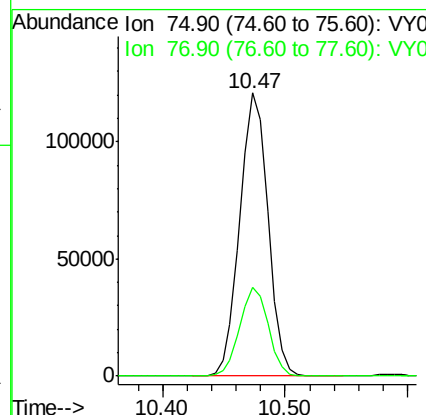
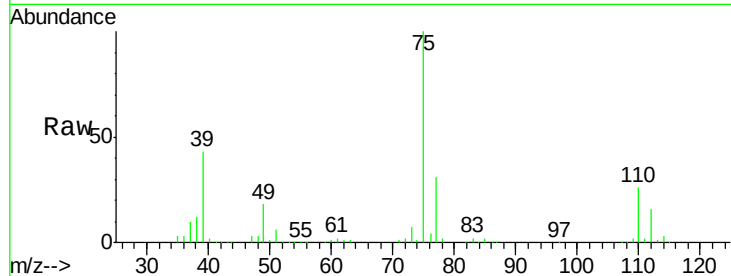
#53
t-1,3-Dichloropropene
Concen: 46.755 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

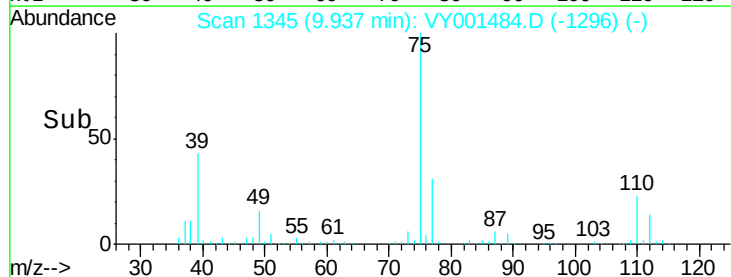
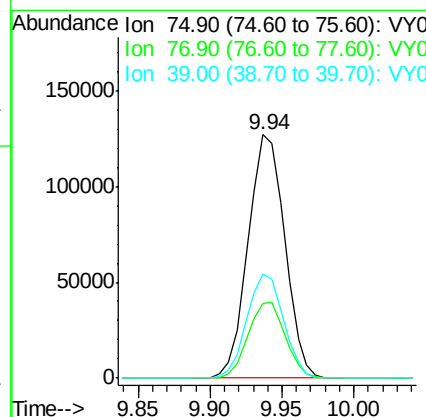
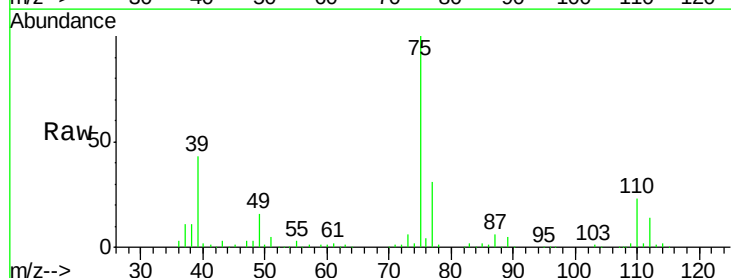
Manual Integrations
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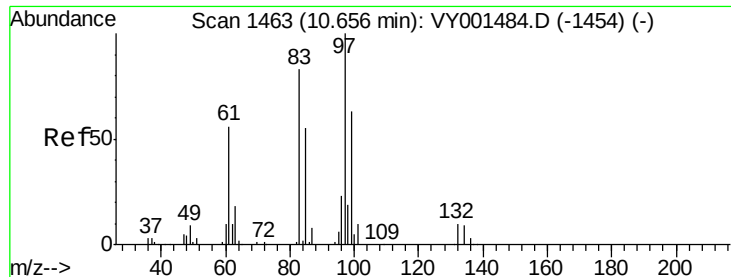
MMDadoda
2/5/2020 12:23:43 PM



#54
cis-1,3-Dichloropropene
Concen: 47.066 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	42.5	34.0	51.0





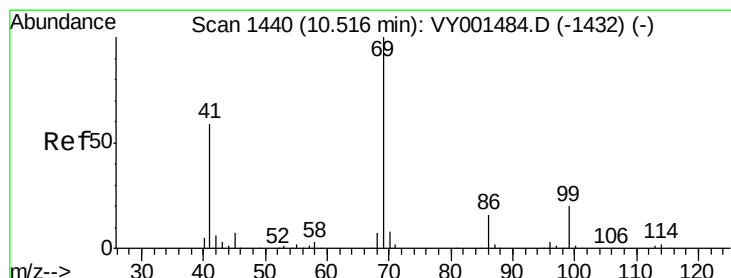
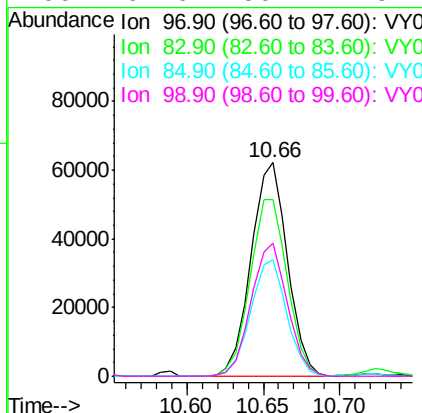
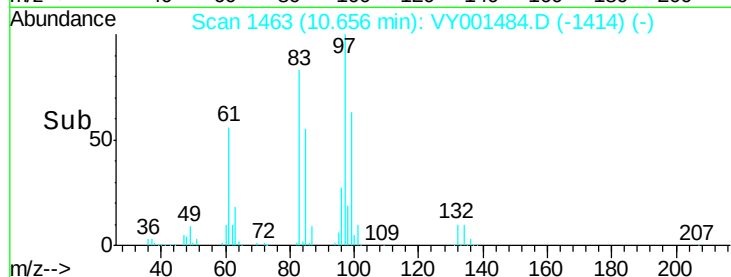
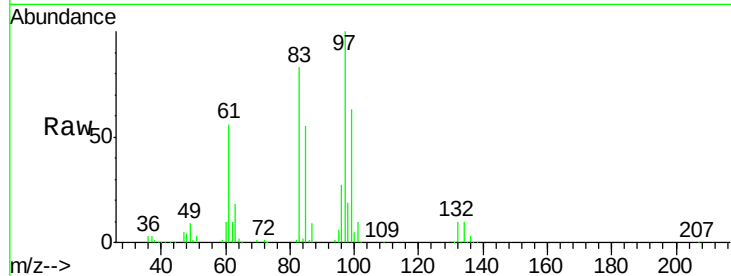
#55
 1,1,2-Trichloroethane
 Concen: 45.164 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.2	99.2
85	54.7	43.8	65.6
99	62.6	50.1	75.1

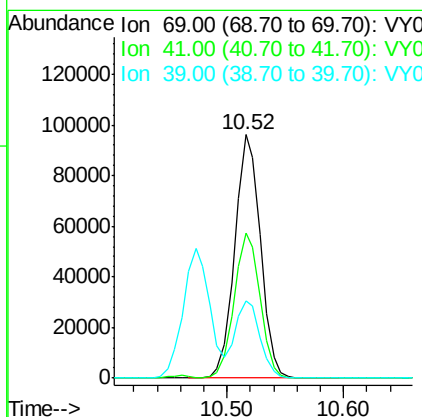
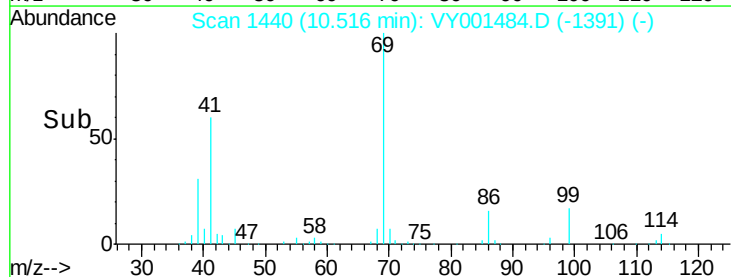
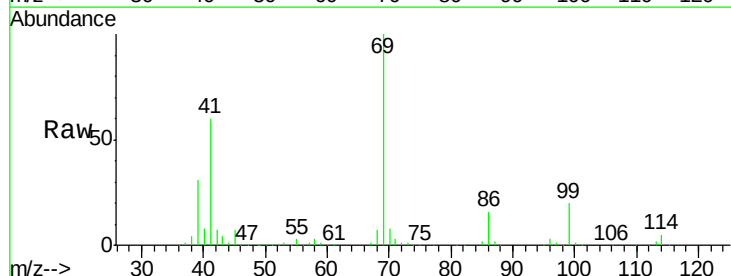
Manual Integrations
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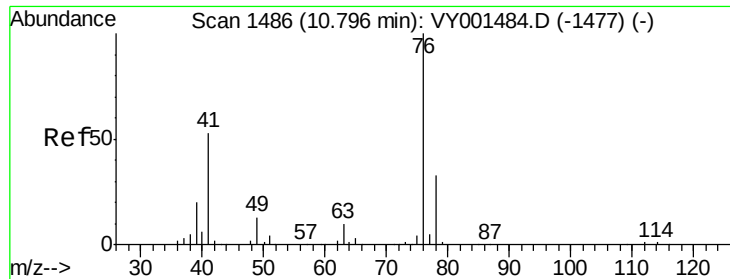
MMDadoda
 2/5/2020 12:23:43 PM



#56
 Ethyl methacrylate
 Concen: 43.094 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.8	71.8
39	30.5	24.4	36.6





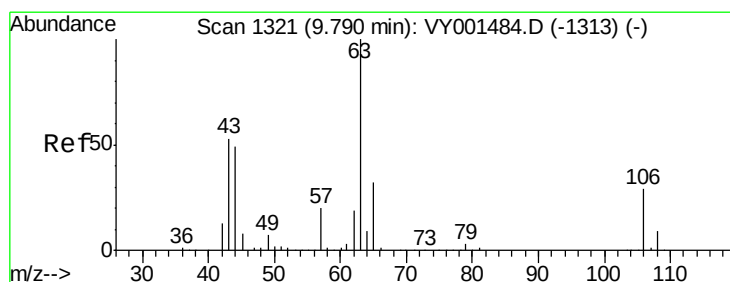
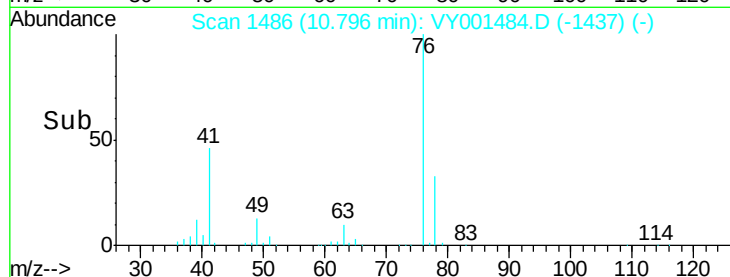
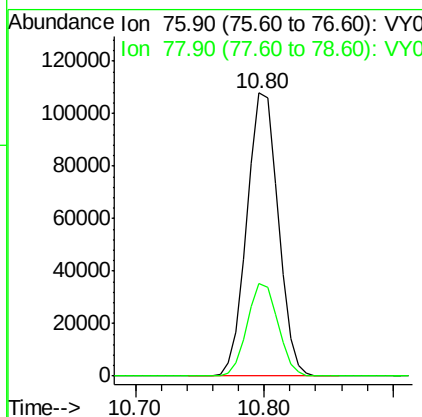
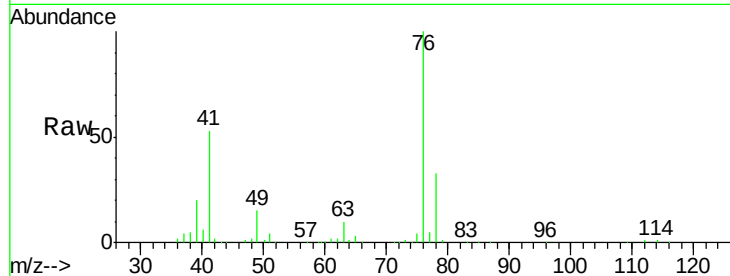
#57
 1,3-Dichloropropane
 Concen: 45.392 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

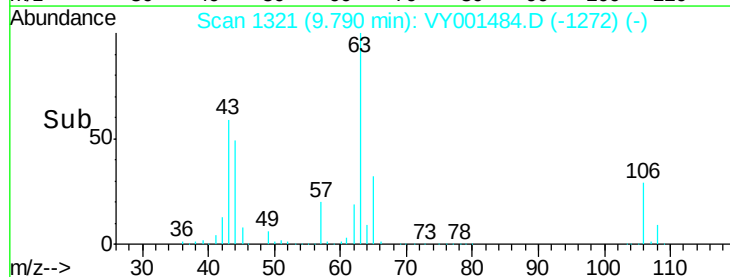
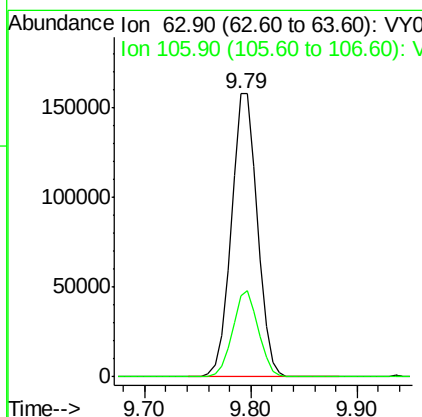
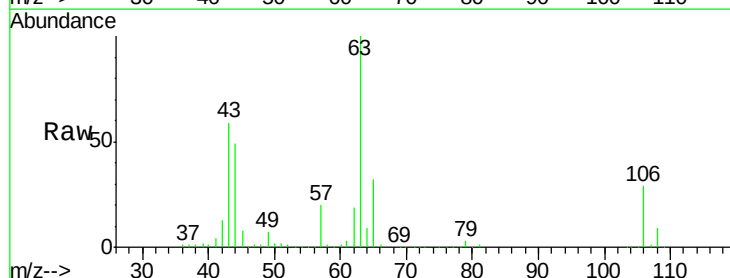
Manual Integrations
 APPROVED

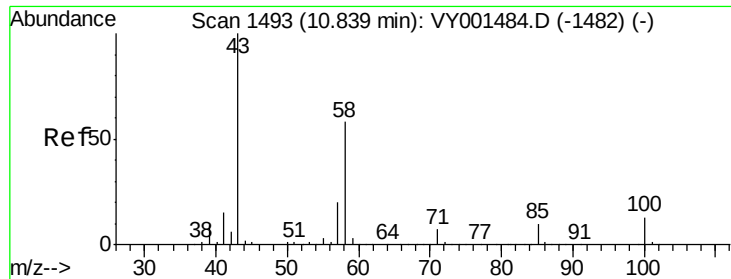
MMDadoda
 2/5/2020 12:23:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.373 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.0	36.0





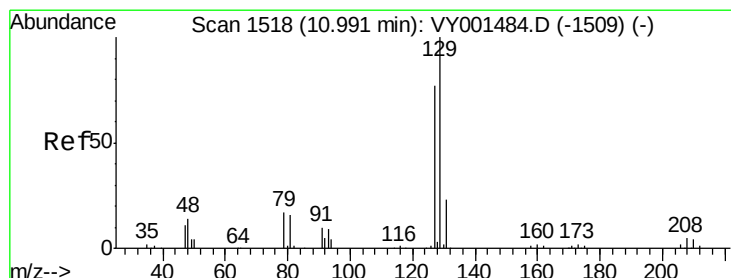
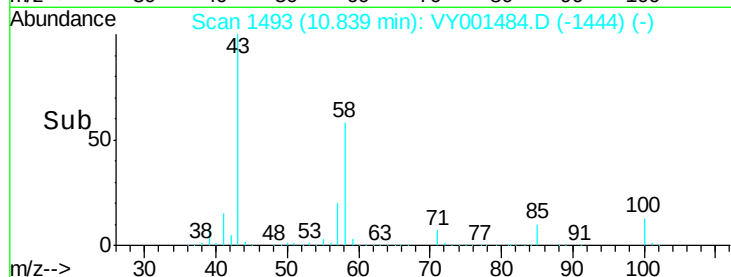
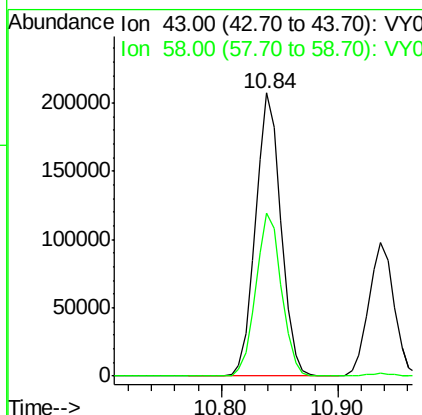
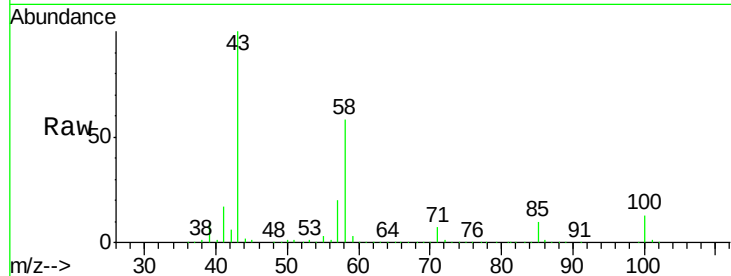
#59
2-Hexanone
Concen: 198.773 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 314804
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0

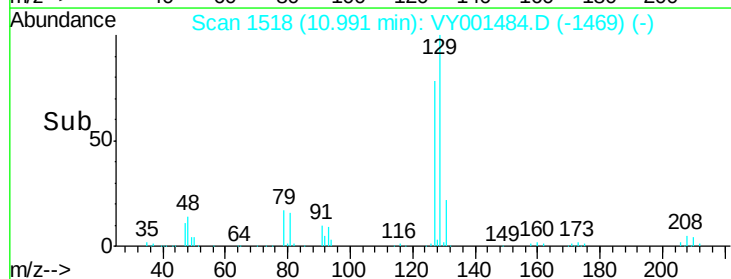
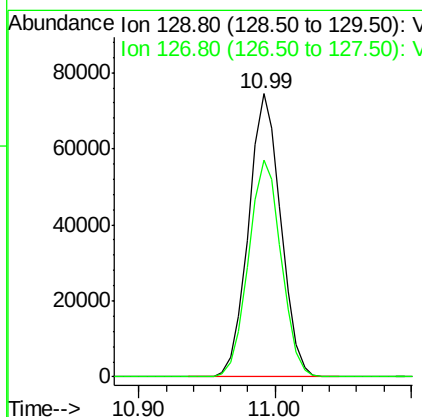
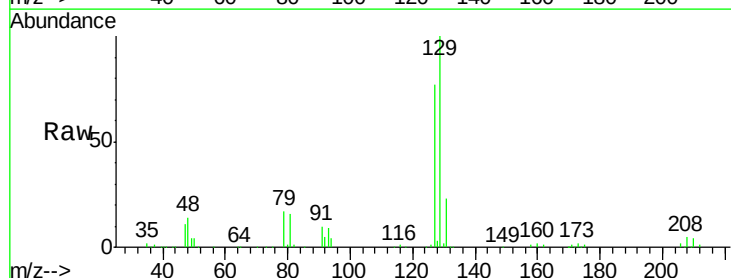
Manual Integrations
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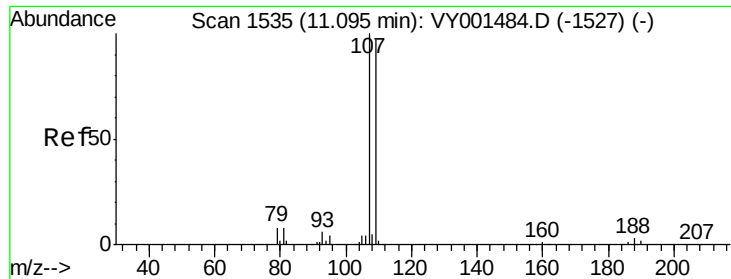
MMDadoda
2/5/2020 12:23:43 PM



#60
Dibromochloromethane
Concen: 47.814 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion: 129 Resp: 123797
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





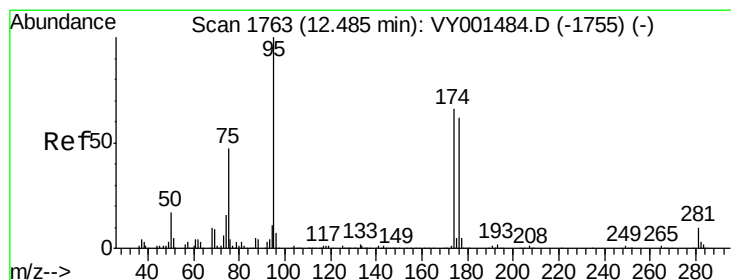
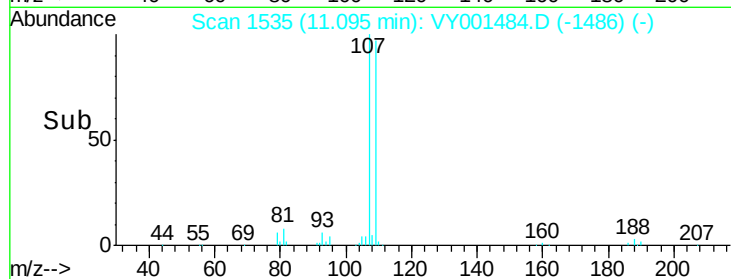
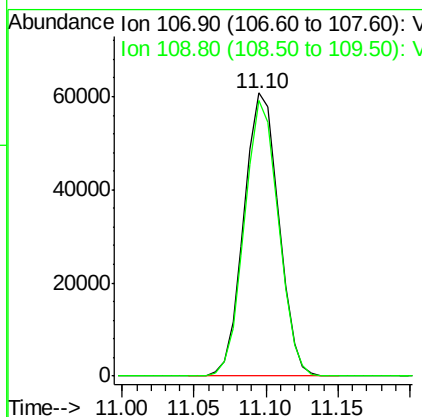
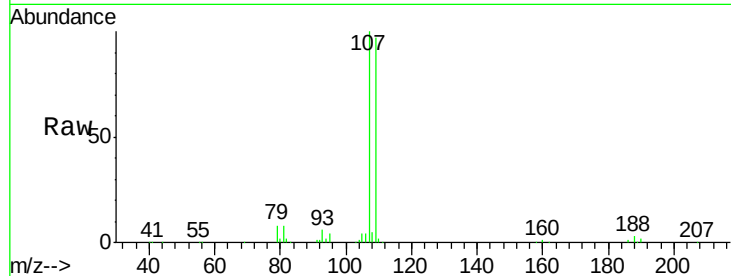
#61
 1,2-Dibromoethane
 Concen: 46.803 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	101757		
109	95.2	76.2	114.2	

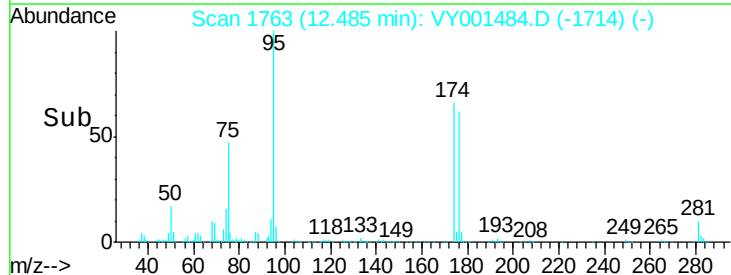
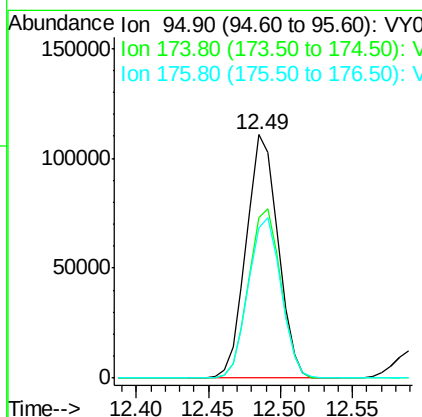
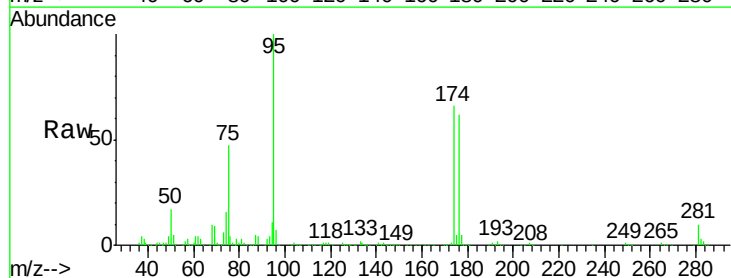
Manual Integrations
 APPROVED

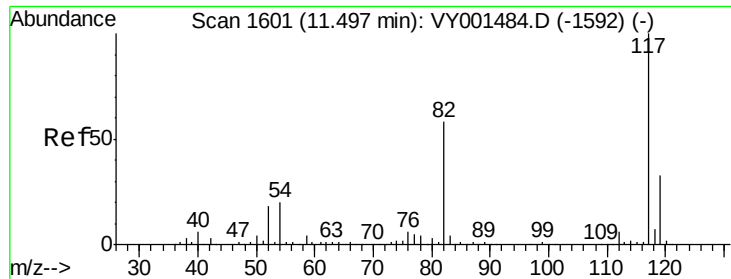
MMDadoda
 2/5/2020 12:23:43 PM



#62
 4-Bromofluorobenzene
 Concen: 46.117 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	169350		
174	70.7	0.0	141.4	
176	67.7	0.0	135.4	





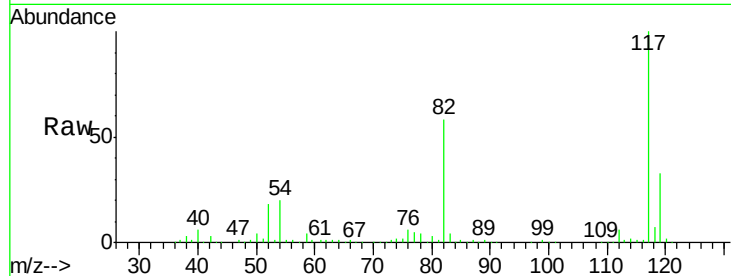
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.1	69.1
119	32.6	26.1	39.1

Manual Integrations
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MMDadoda
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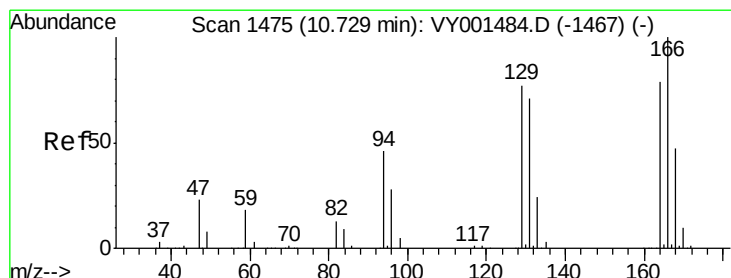
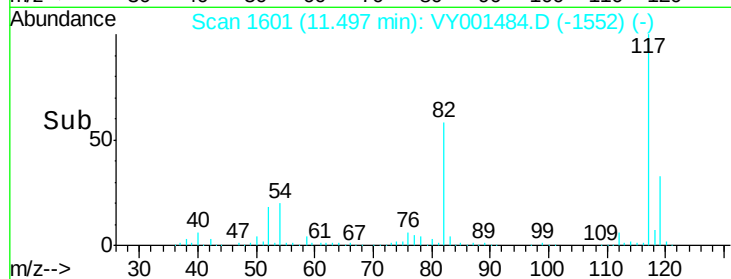
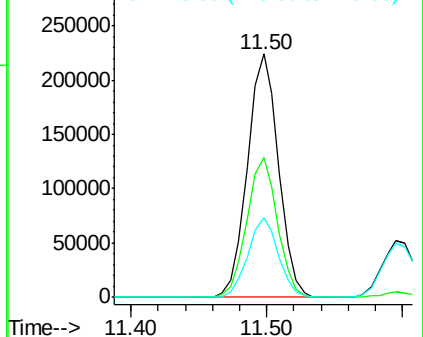


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.377 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.8	151.2
129	97.2	77.8	116.6
131	90.0	72.0	108.0

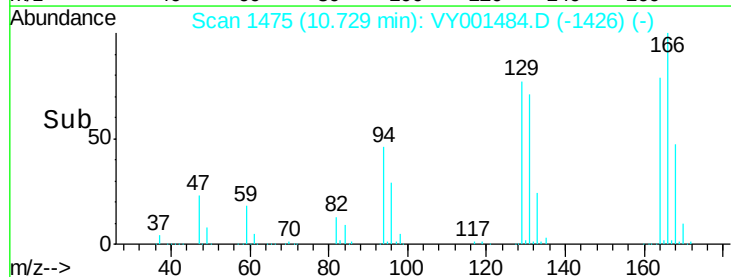
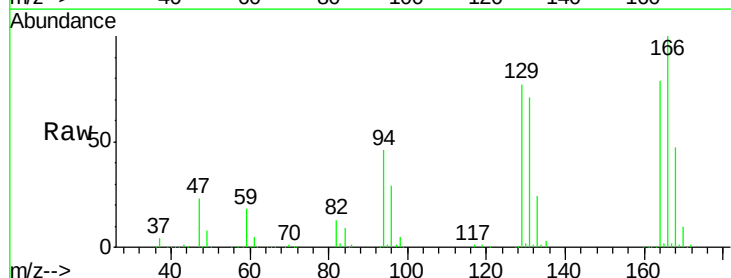
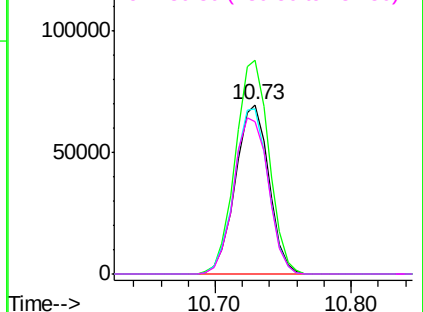
Abundance

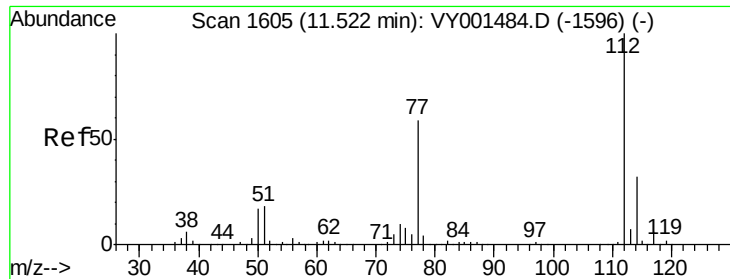
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





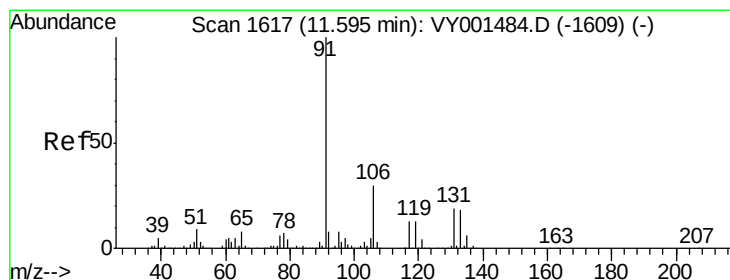
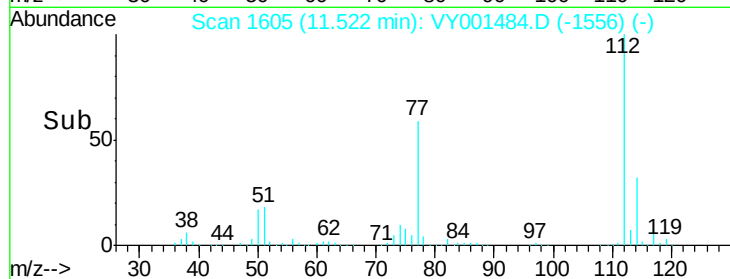
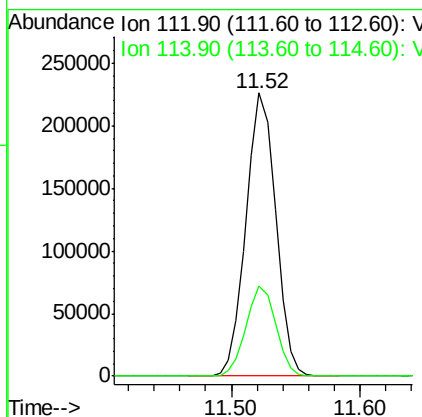
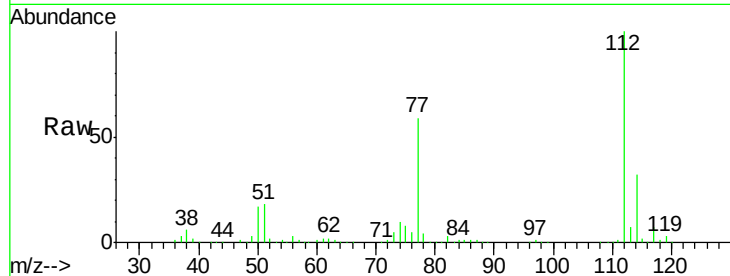
#65
Chlorobenzene
Concen: 47.890 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 360816
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

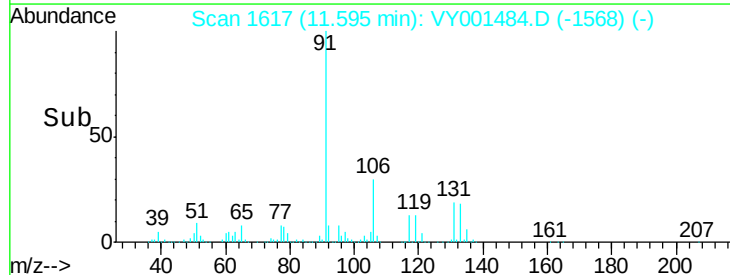
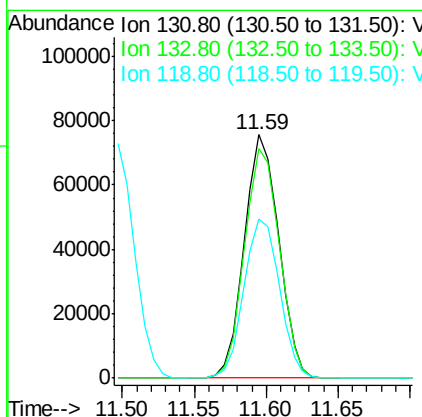
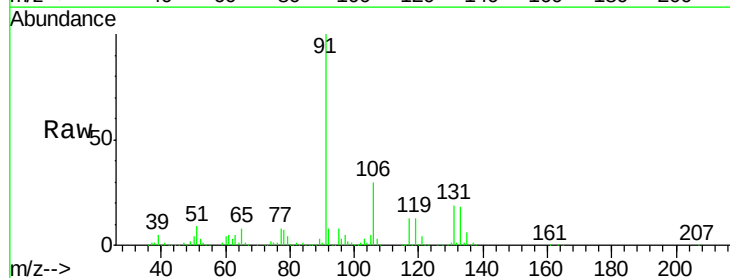
Manual Integrations
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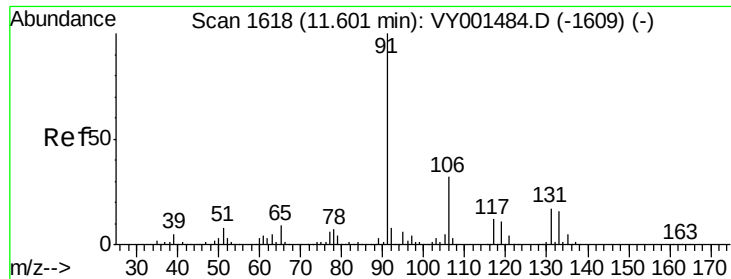
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.722 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion:131 Resp: 125289
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 67.3 33.7 101.0





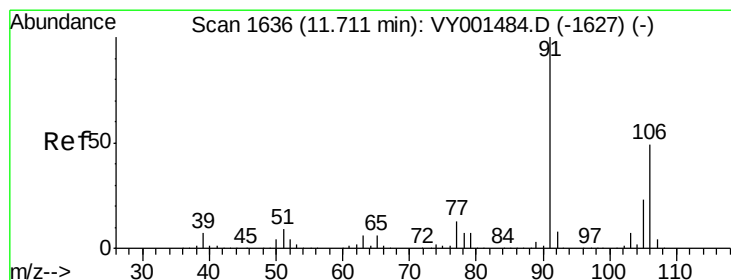
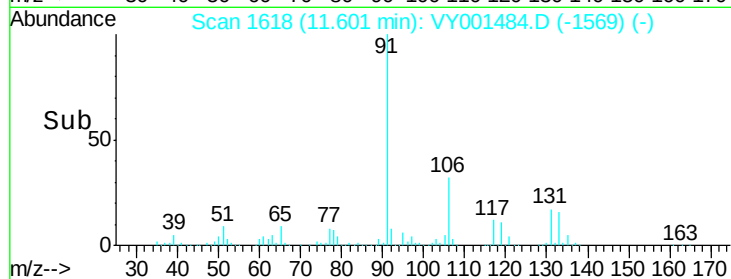
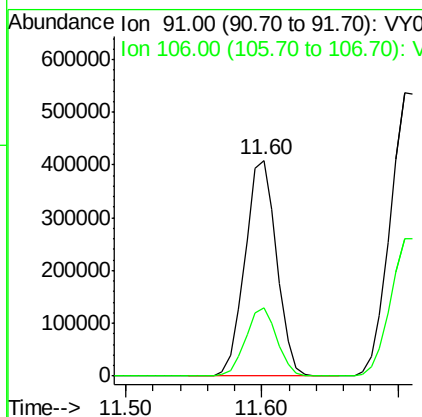
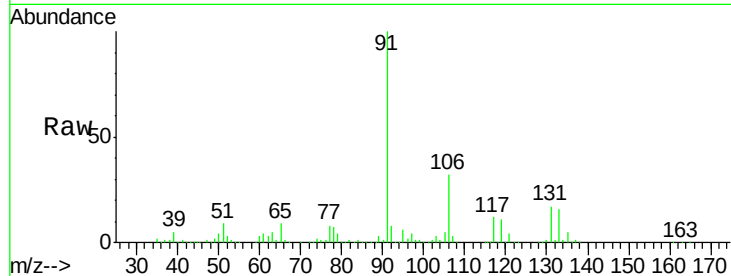
#67
Ethyl Benzene
Concen: 47.860 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 663861
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

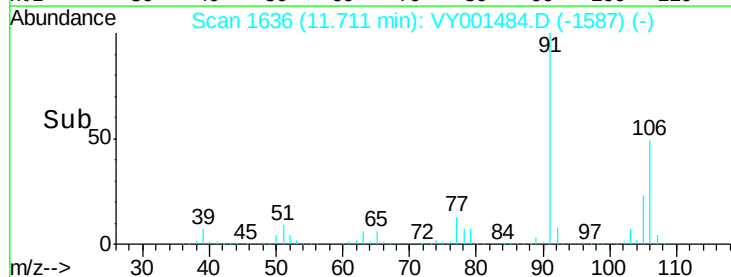
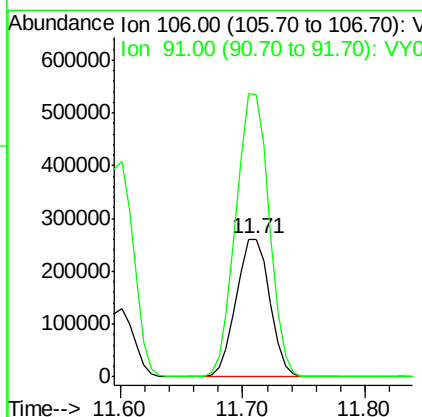
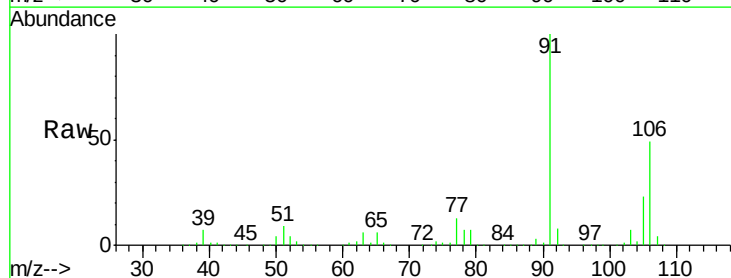
Manual Integrations
APPROVED

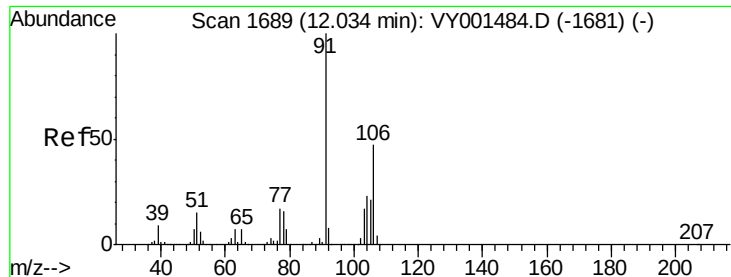
MMDadoda
2/5/2020 12:23:43 PM



#68
m/p-Xylenes
Concen: 95.986 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion: 106 Resp: 496916
Ion Ratio Lower Upper
106 100
91 204.5 163.6 245.4





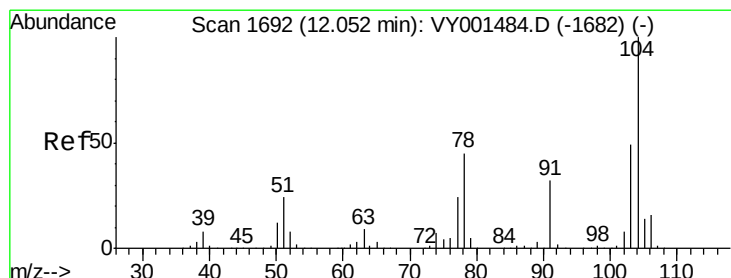
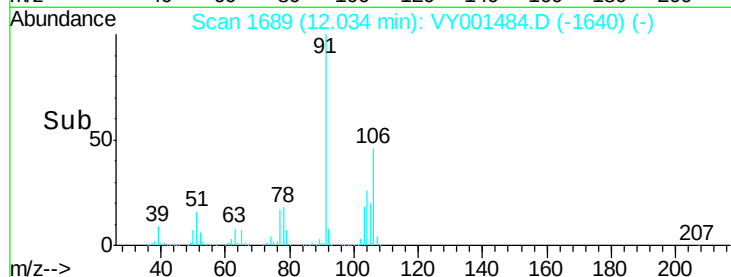
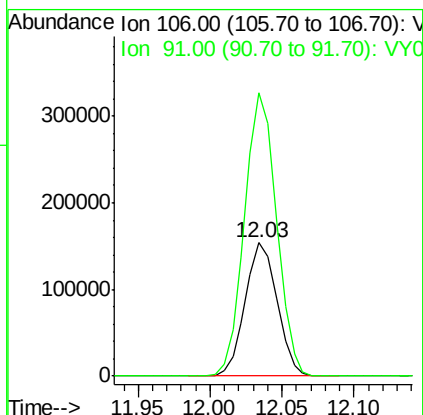
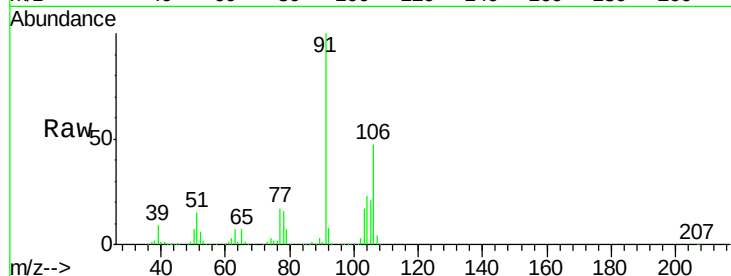
#69
o-Xylene
Concen: 47.611 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.0	106.0	236827	318.0	

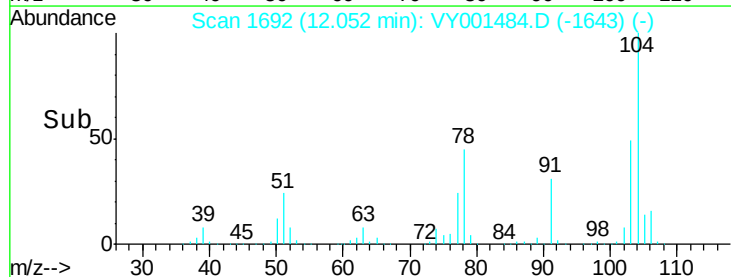
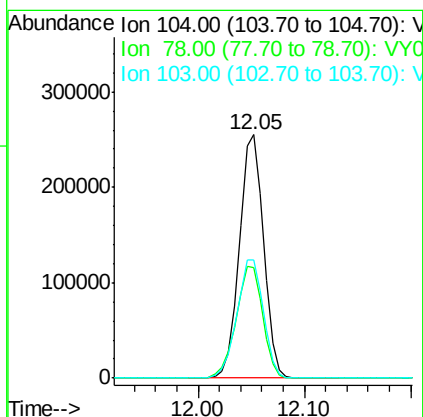
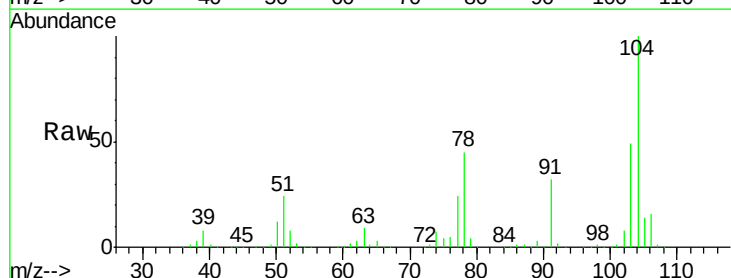
Manual Integrations
APPROVED

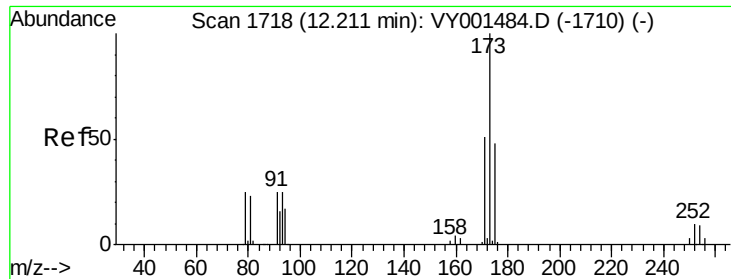
MMDadoda
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#70
Styrene
Concen: 46.815 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.5	40.4	407144	60.6	
103	53.5	42.8		64.2	





#71

Bromoform

Concen: 46.136 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 70149

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

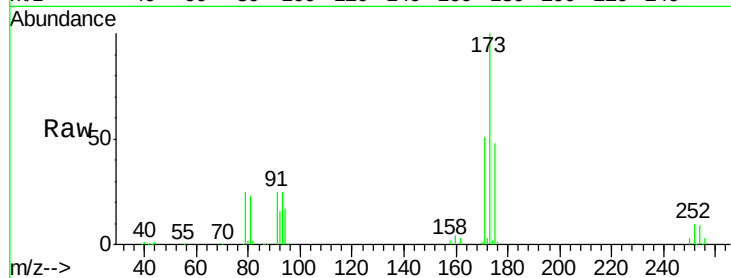
254 0.1 0.1 0.1#

Manual Integrations

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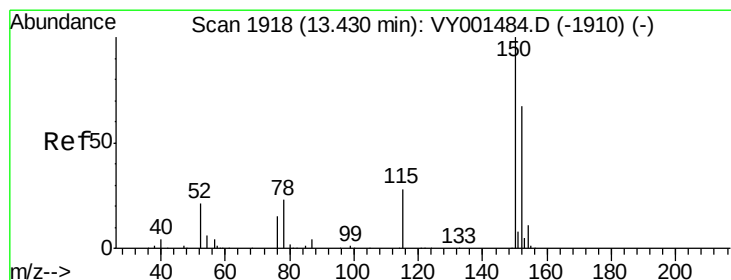
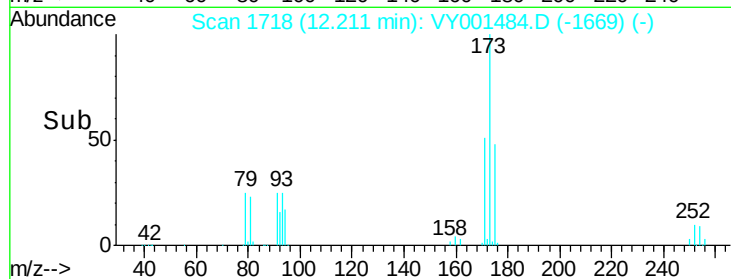
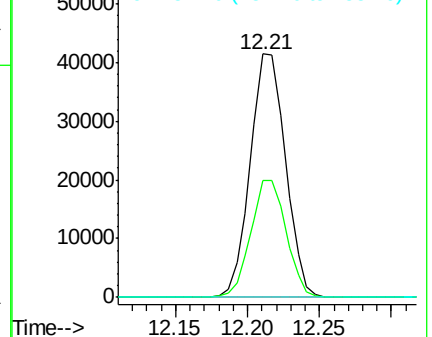
2/5/2020 12:23:43 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

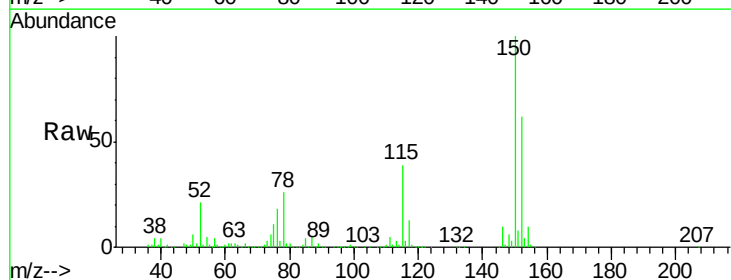
Tgt Ion:152 Resp: 164889

Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.3

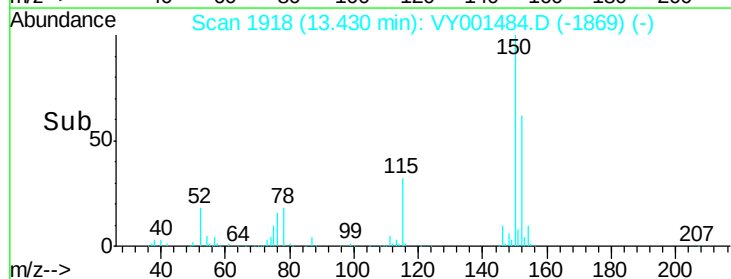
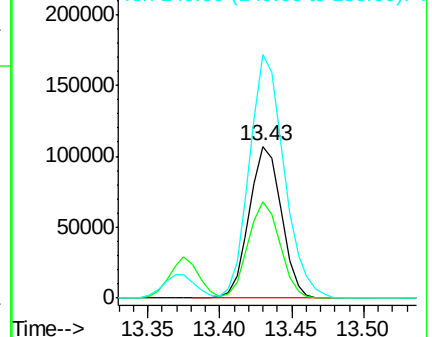
150 173.4 0.0 346.8

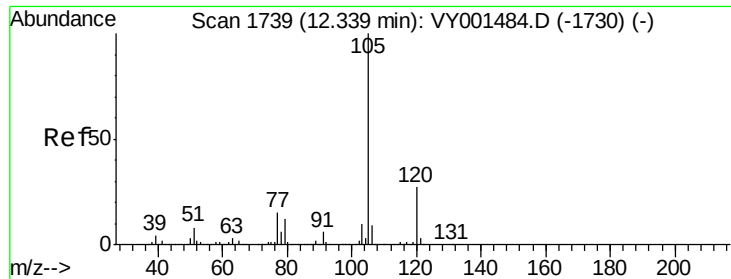


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





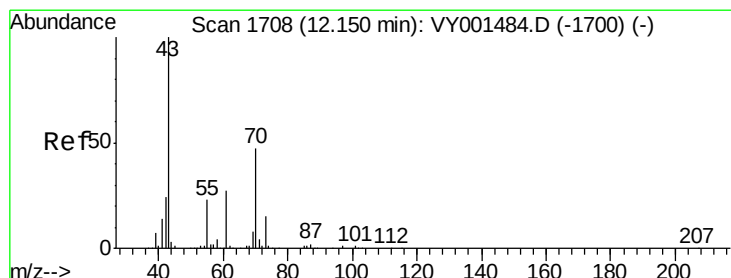
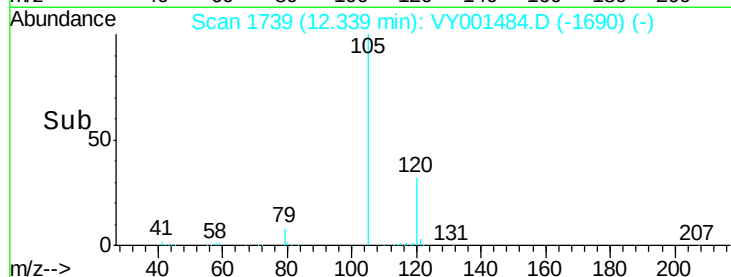
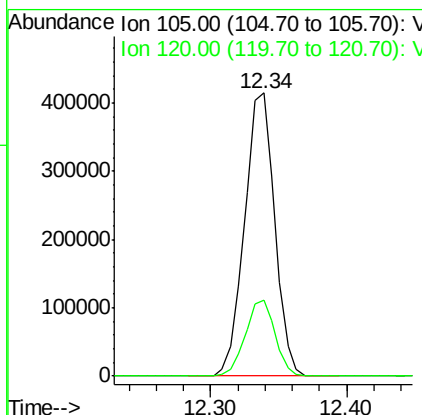
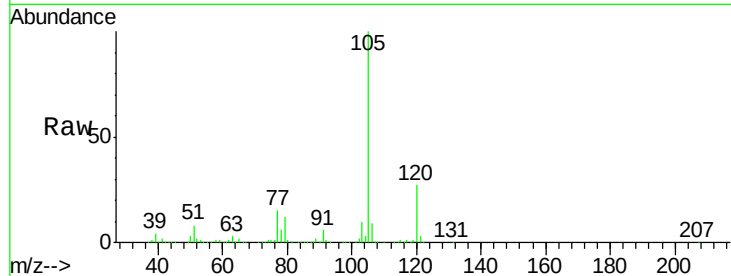
#73
Isopropylbenzene
Concen: 49.347 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9

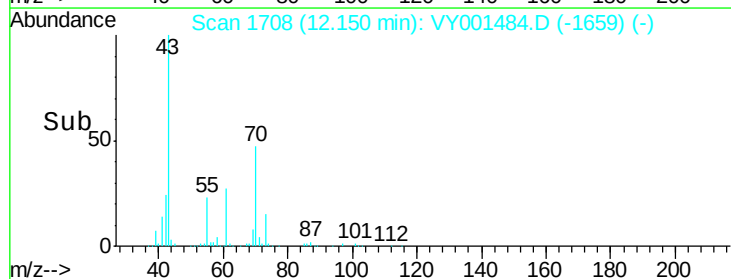
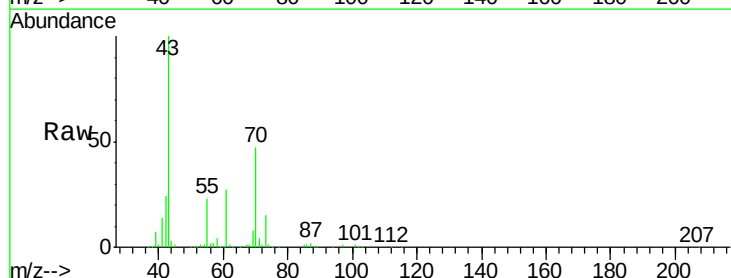
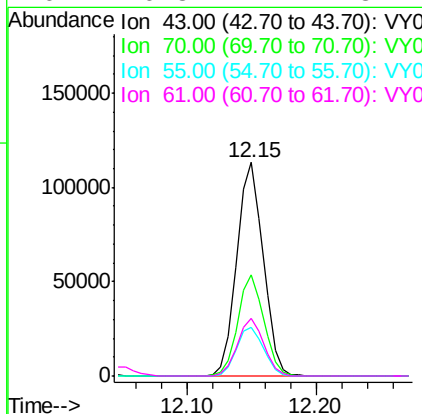
Manual Integrations
APPROVED

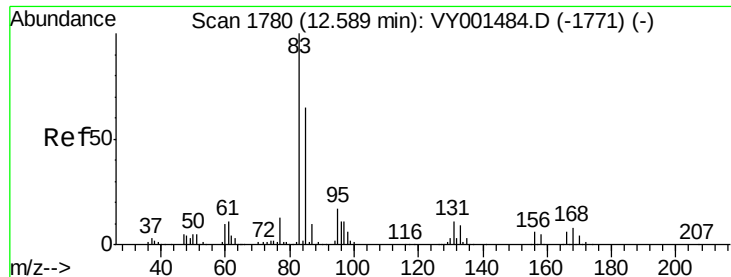
MMDadoda
2/5/2020 12:23:43 PM



#74
N-ethyl acetate
Concen: 39.452 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.5	37.2	55.8
55	23.5	18.8	28.2
61	26.8	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.392 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

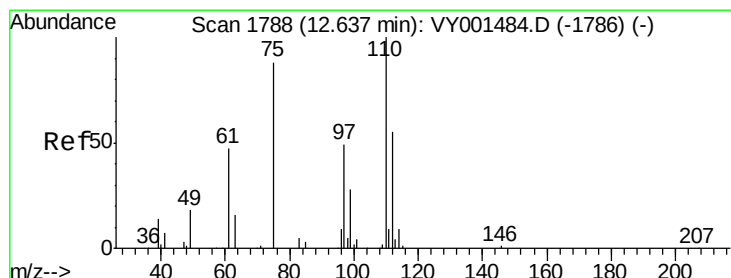
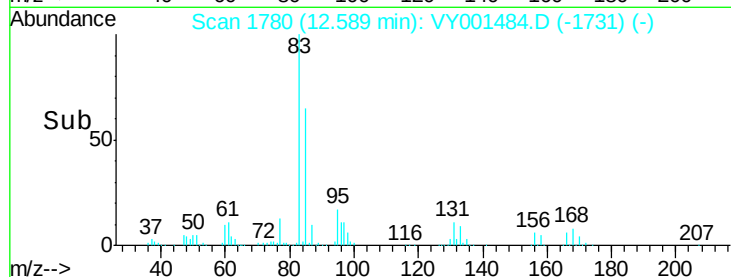
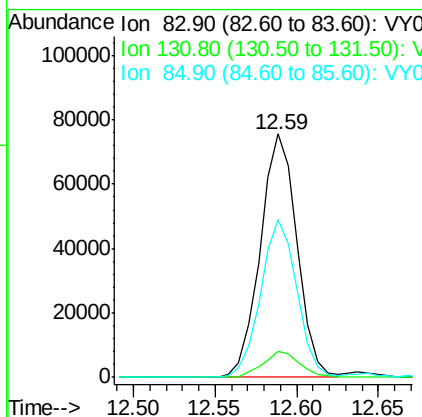
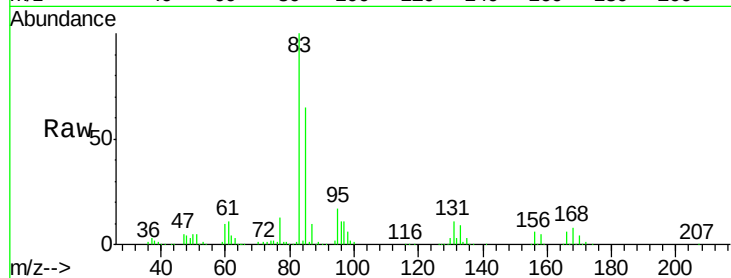
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	117947
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.0	32.0	96.0

Manual Integrations
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2/5/2020 12:23:43 PM



#76

1,2,3-Trichloropropane

Concen: 44.851 ug/l m

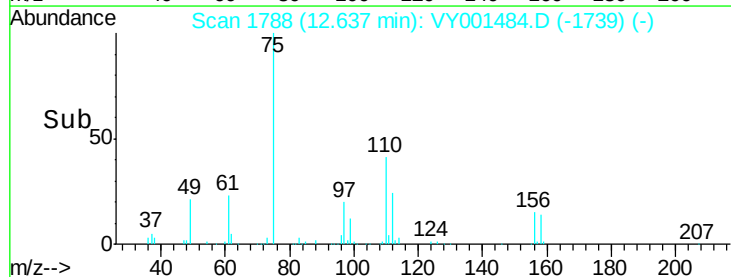
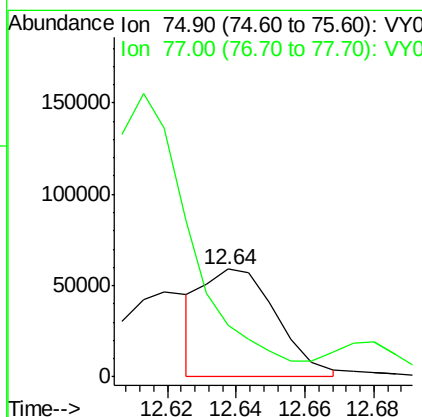
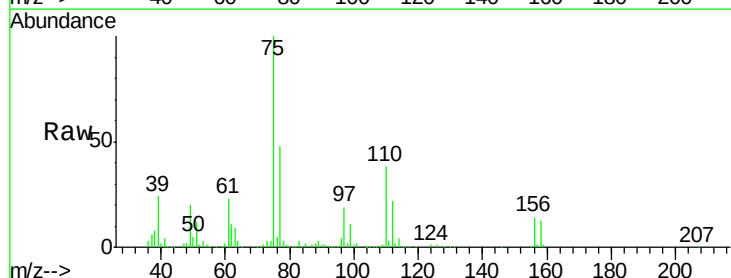
RT: 12.64 min Scan# 1788

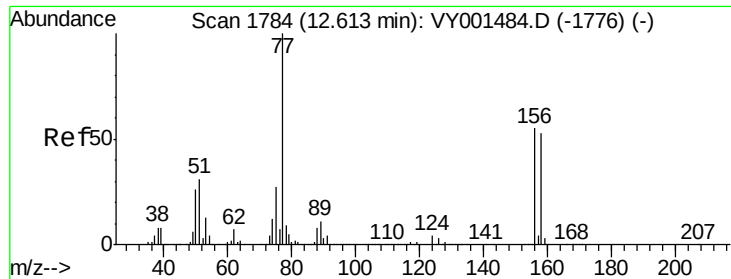
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	75	Resp:	87523
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.446 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

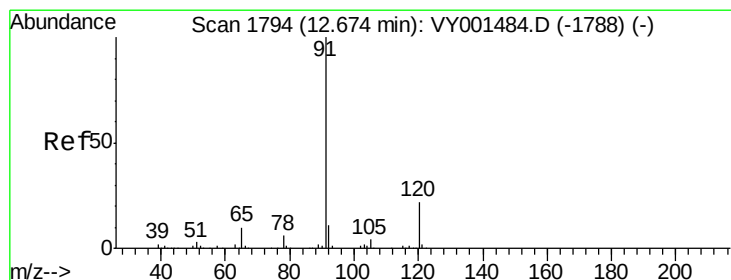
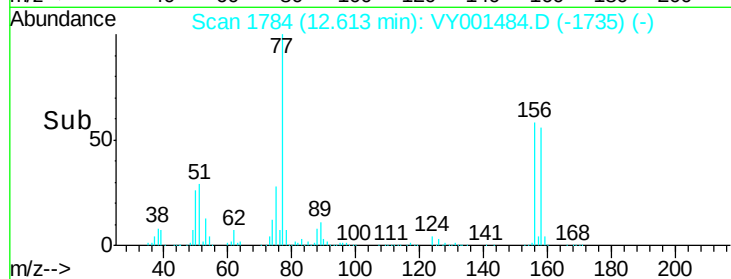
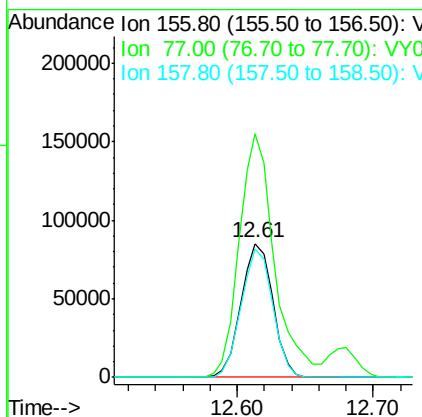
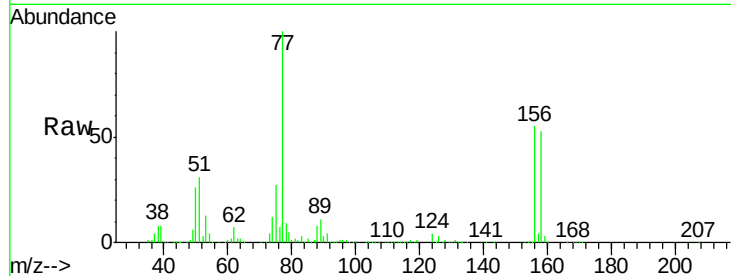
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	139371
Ion Ratio	Lower	Upper	
156	100		
77	199.5	99.8	299.3
158	95.1	47.5	142.6

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#78

n-propylbenzene

Concen: 49.048 ug/l

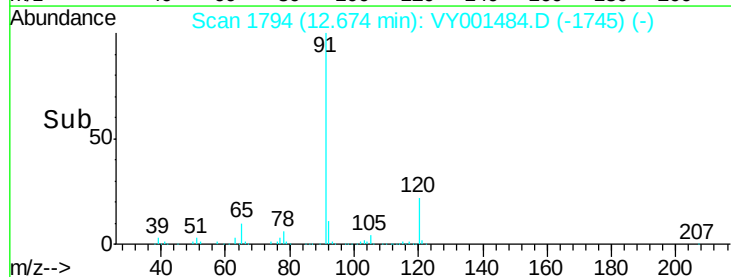
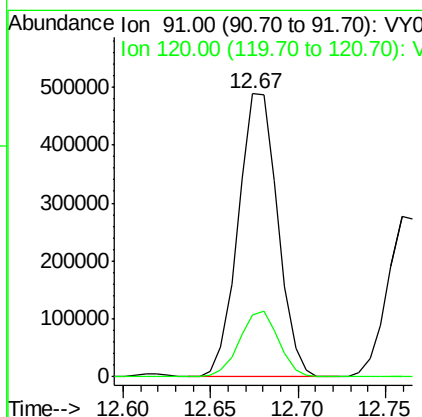
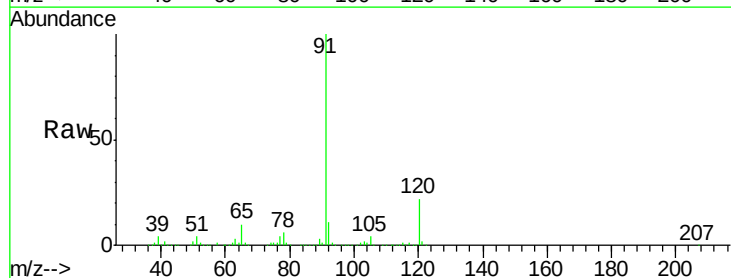
RT: 12.67 min Scan# 1794

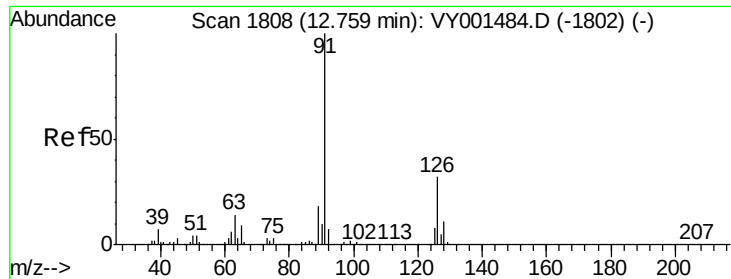
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	91	Resp:	767094
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2





#79

2-Chlorotoluene

Concen: 48.748 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 436087

Ion Ratio Lower Upper

91 100

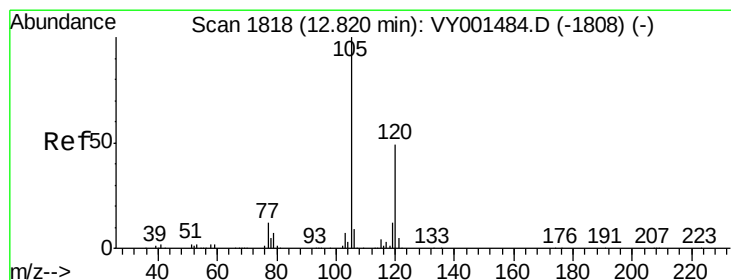
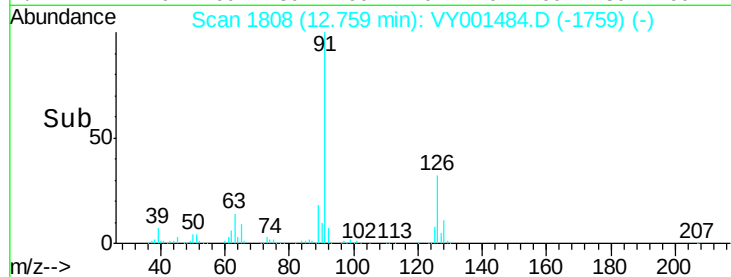
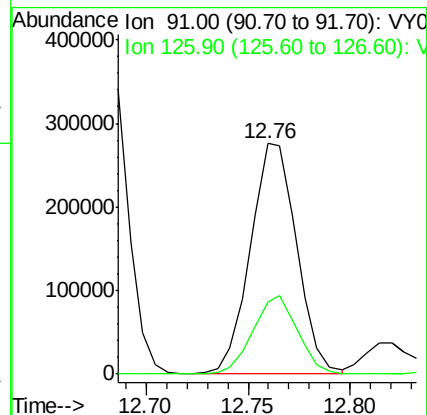
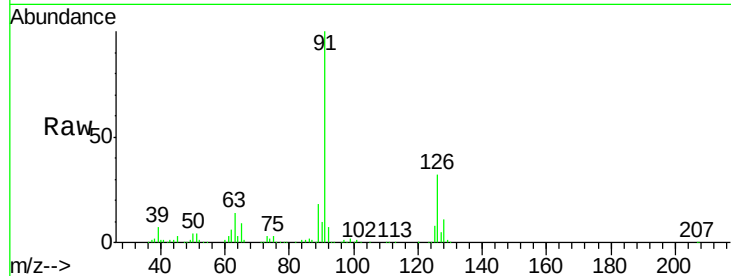
126 32.8 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.700 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001484.D

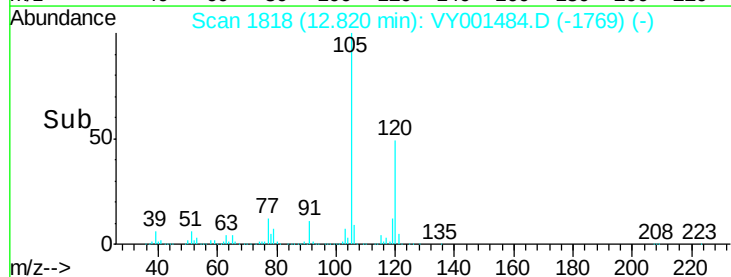
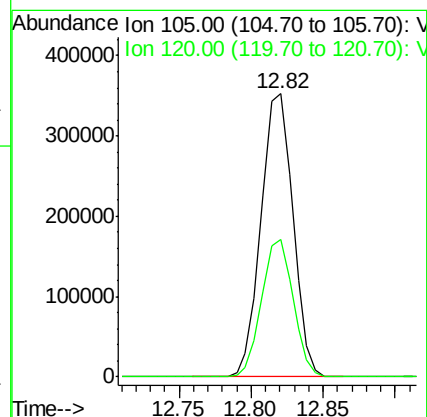
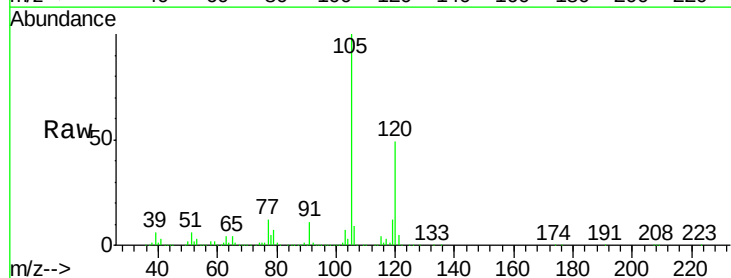
Acq: 04 Feb 2020 13:59

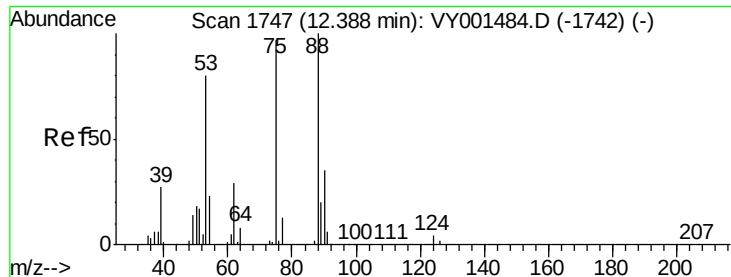
Tgt Ion: 105 Resp: 540801

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





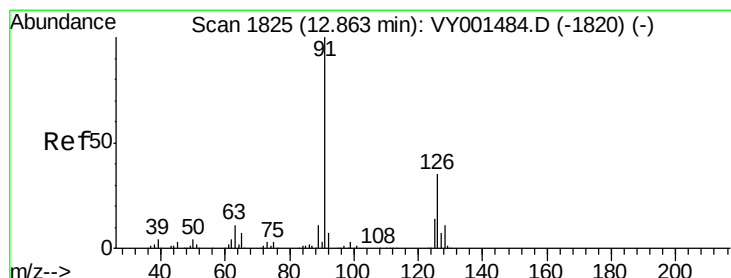
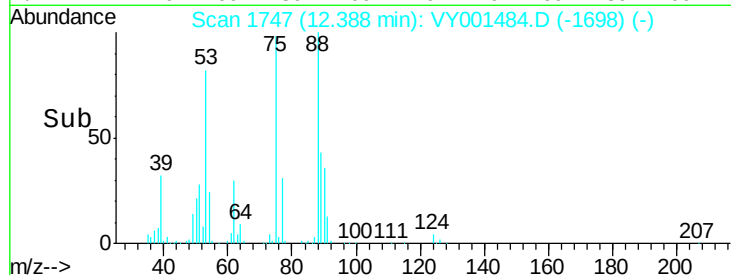
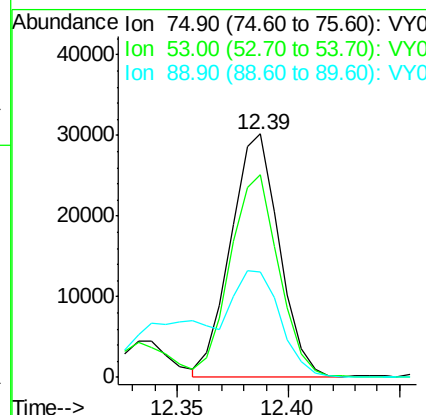
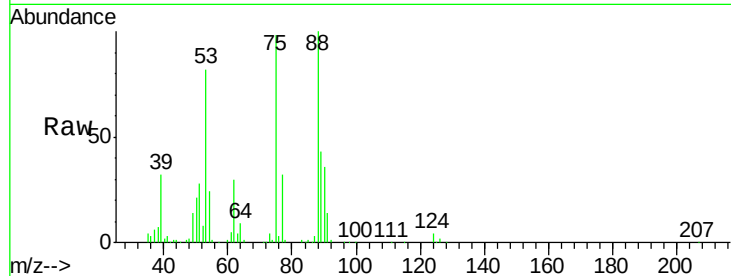
#81
trans-1,4-Dichloro-2-butene
Concen: 44.102 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	67.7	101.5
89	43.3	34.6	52.0

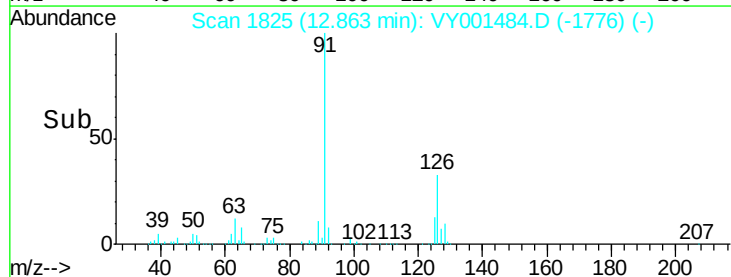
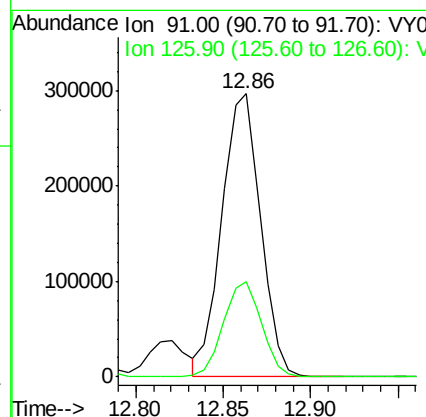
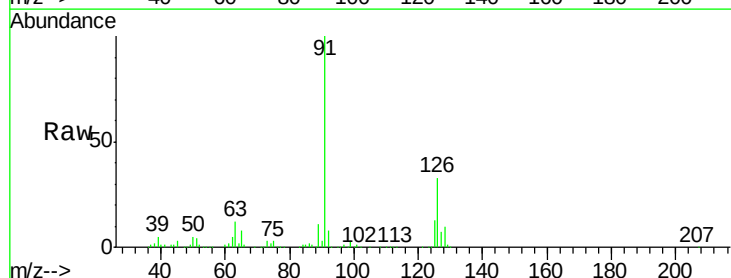
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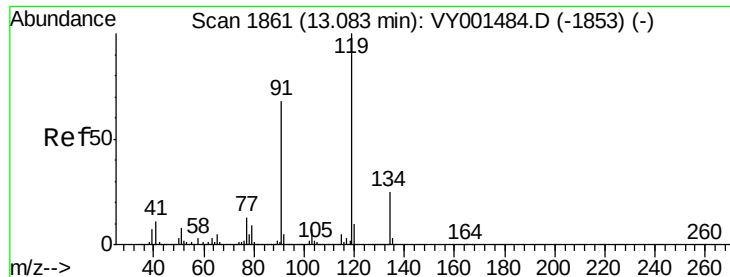
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.928 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





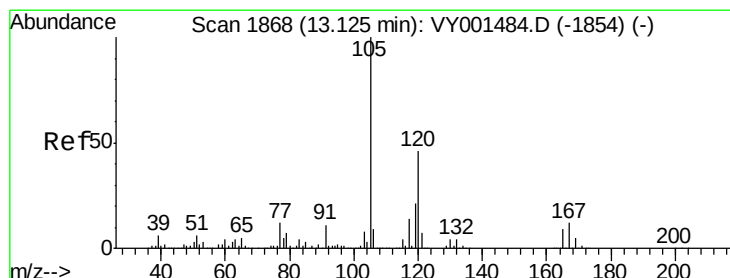
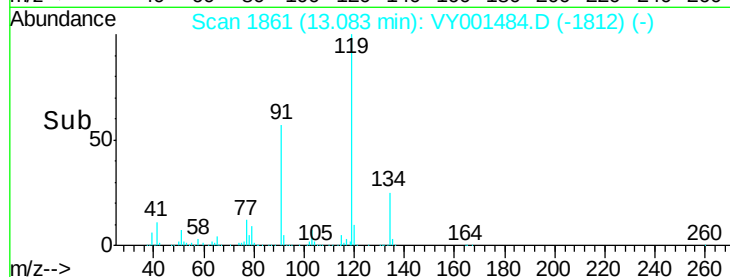
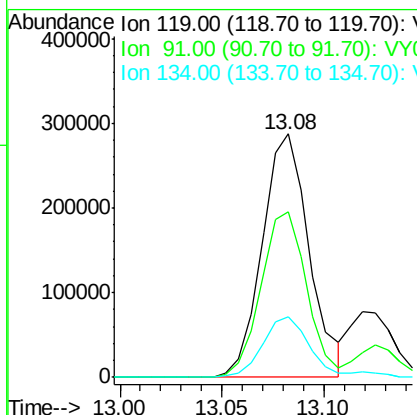
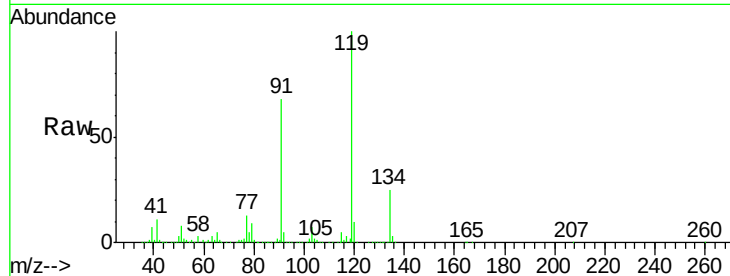
#83
 tert-Butylbenzene
 Concen: 50.153 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	460139		
91	66.2	33.1	99.3	
134	26.0	13.0	39.0	

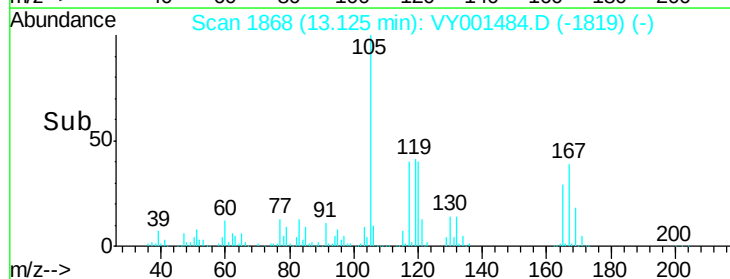
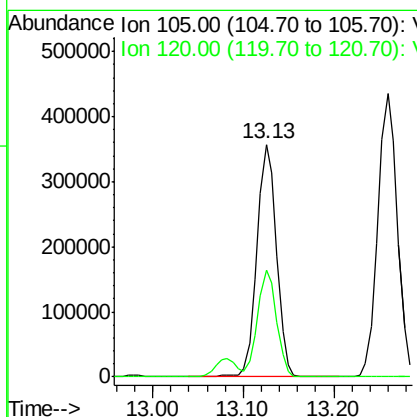
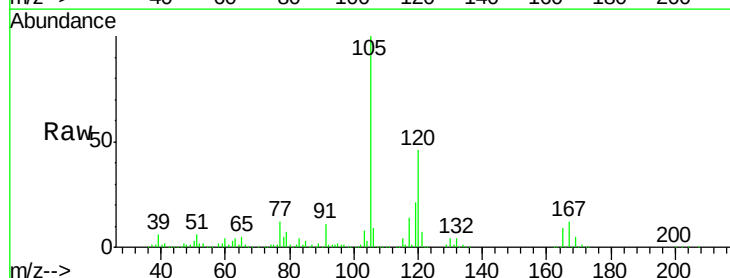
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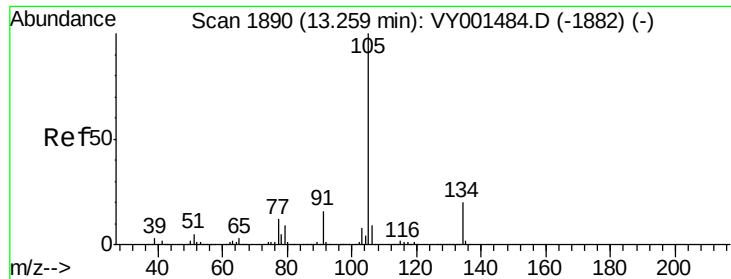
MMDadoda
 2/5/2020 12:23:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.881 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	533451		
120	44.7	22.4	67.0	





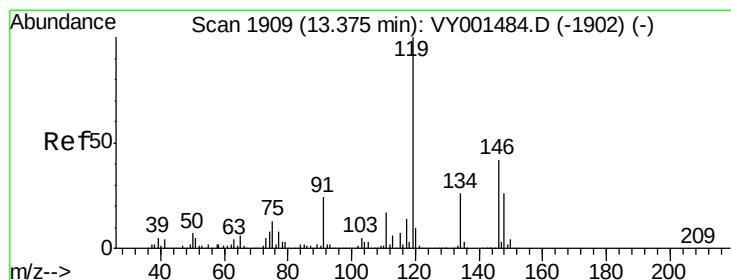
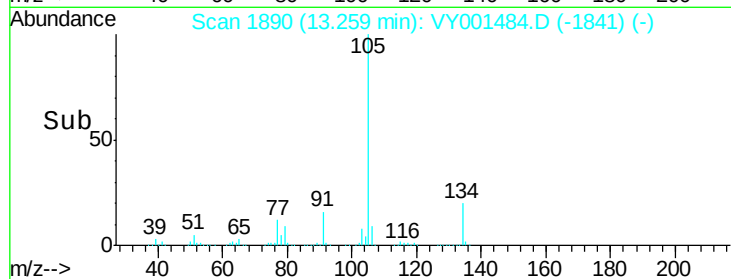
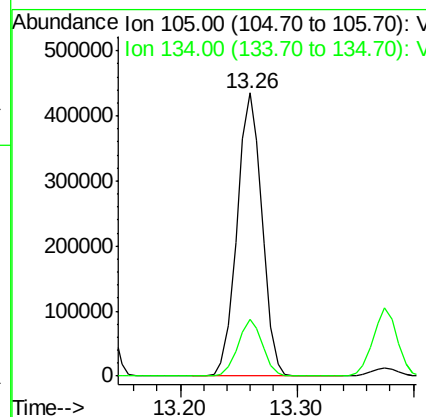
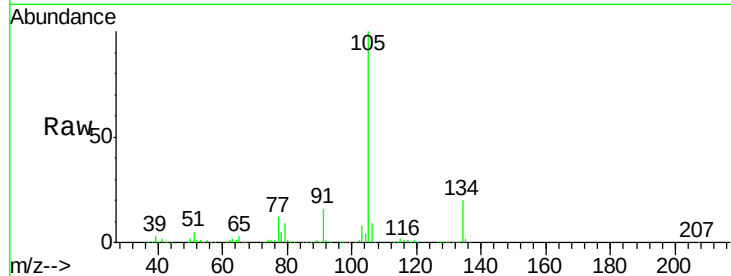
#85
 sec-Butylbenzene
 Concen: 49.962 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	649295		
134	19.9	10.0	29.8	

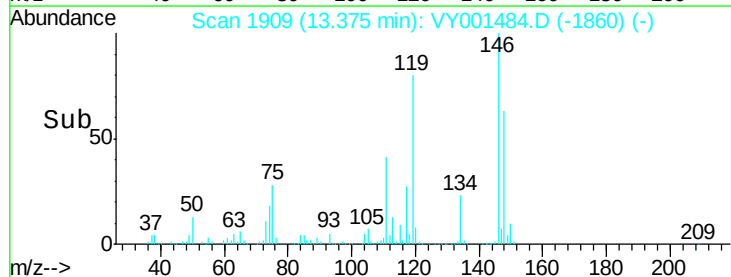
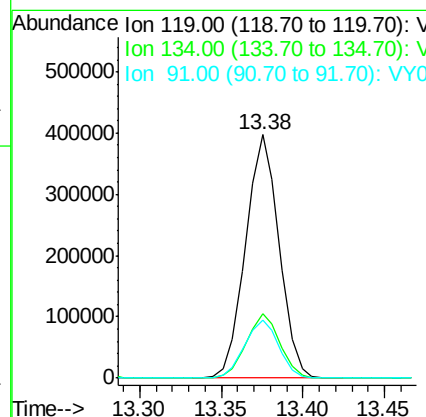
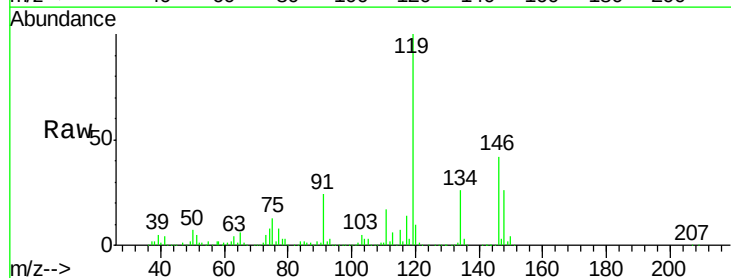
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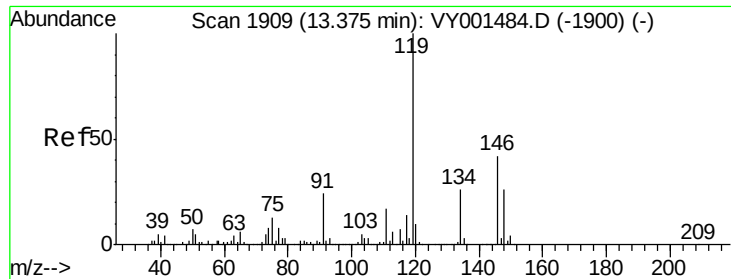
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#86
 p-Isopropyltoluene
 Concen: 49.566 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	568736		
134	26.5	13.3	39.8	
91	24.4	12.2	36.6	





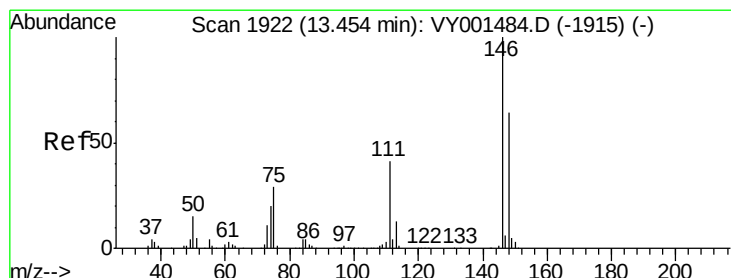
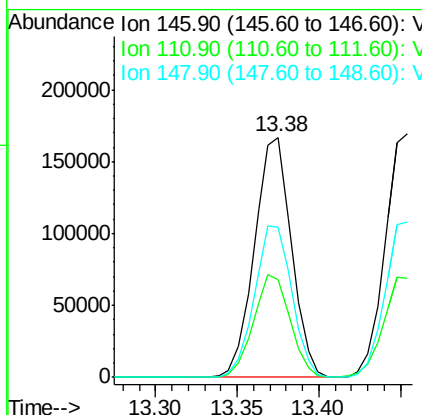
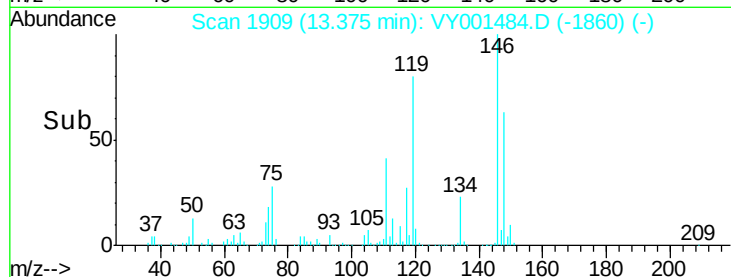
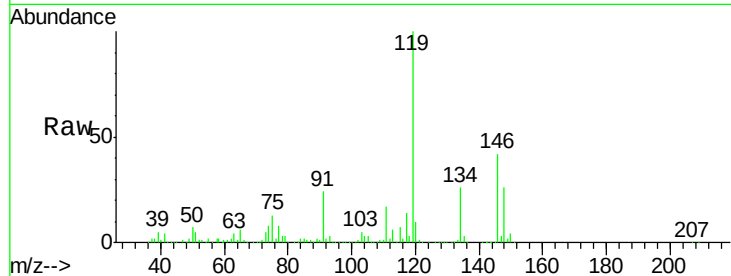
#87
 1,3-Dichlorobenzene
 Concen: 47.484 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	261831		
111	42.6	21.3	63.9	
148	63.8	31.9	95.7	

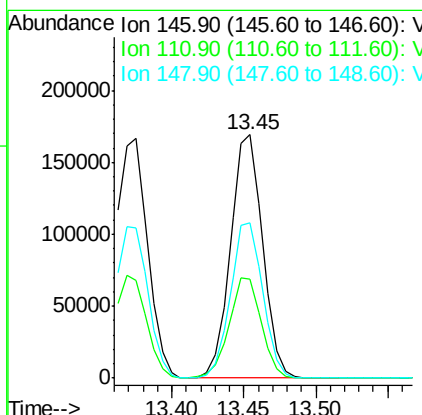
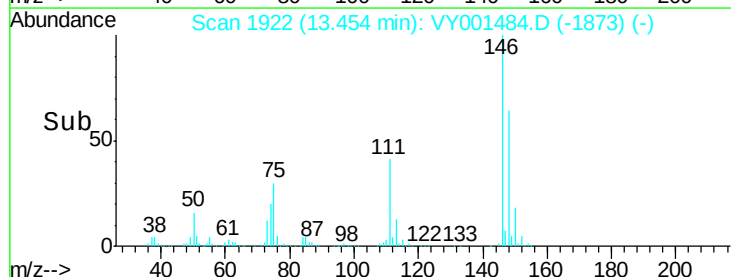
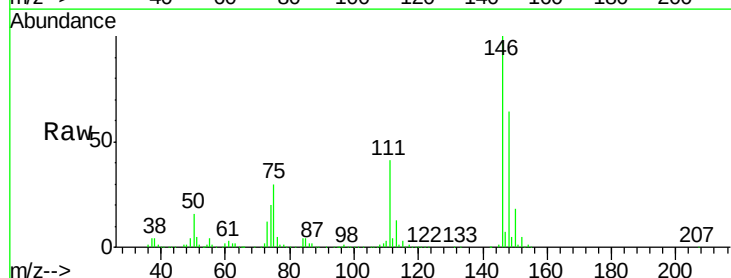
Manual Integrations
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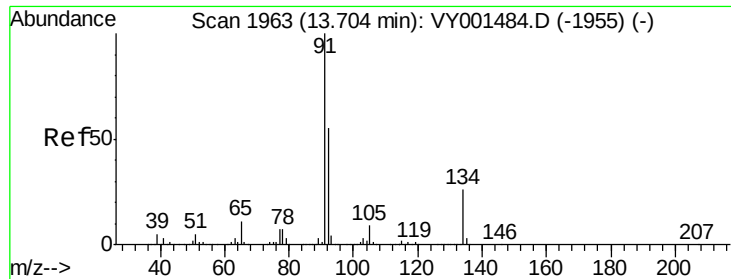
MMDadoda
 2/5/2020 12:23:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.996 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	263280		
111	41.4	20.7	62.1	
148	64.3	32.1	96.5	





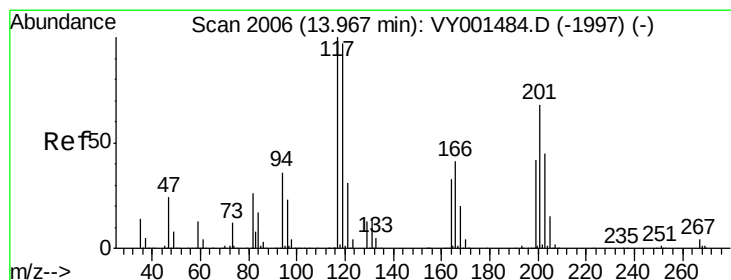
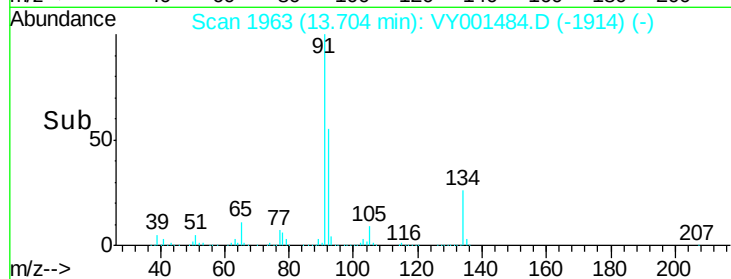
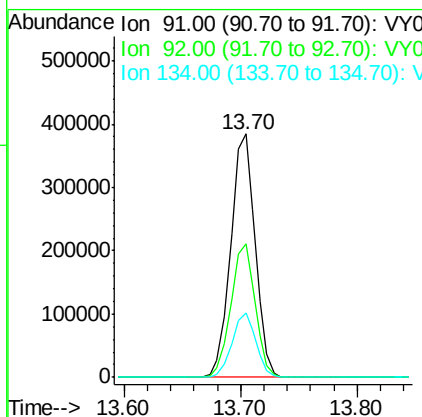
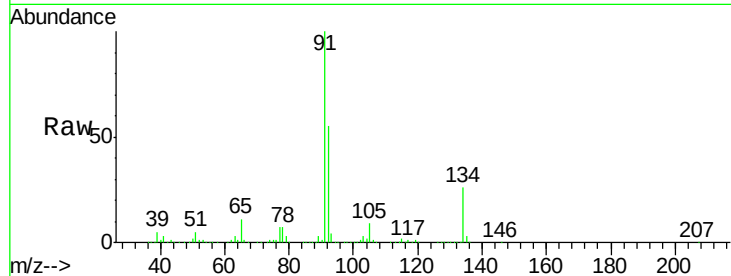
#89
n-Butylbenzene
Concen: 48.617 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	25.9	13.0	38.9

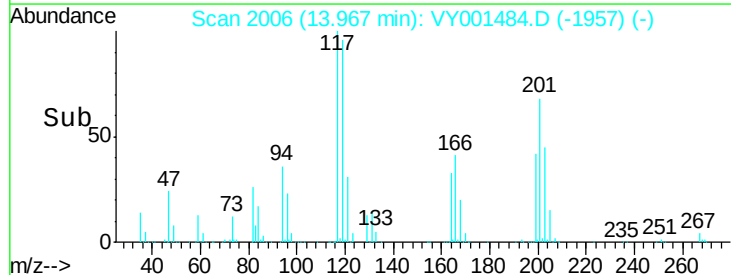
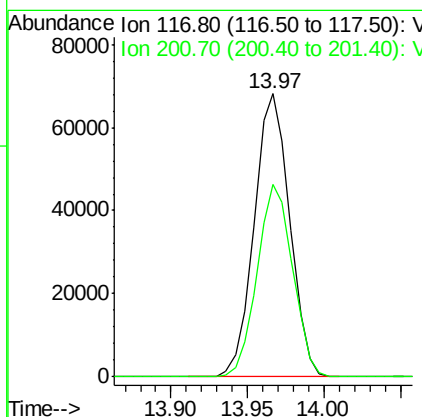
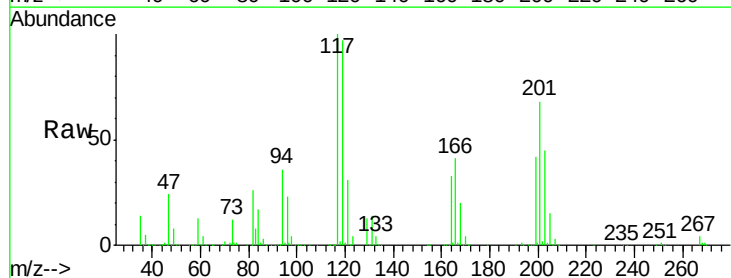
Manual Integrations
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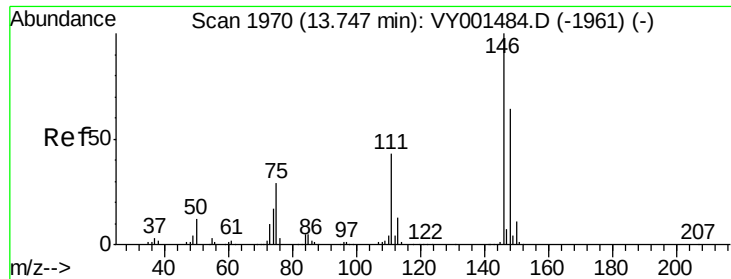
MMDadoda
2/5/2020 12:23:43 PM



#90
Hexachloroethane
Concen: 50.532 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001484.D
Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 47.091 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

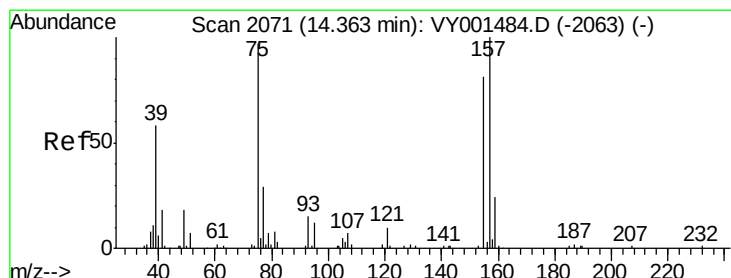
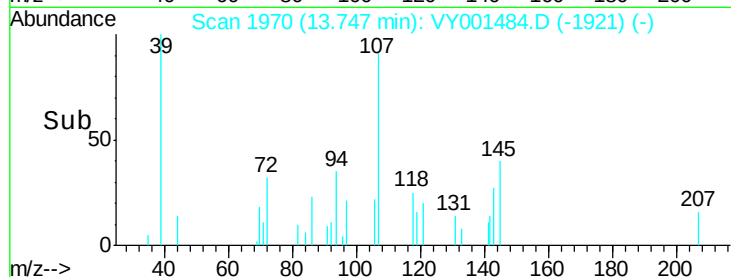
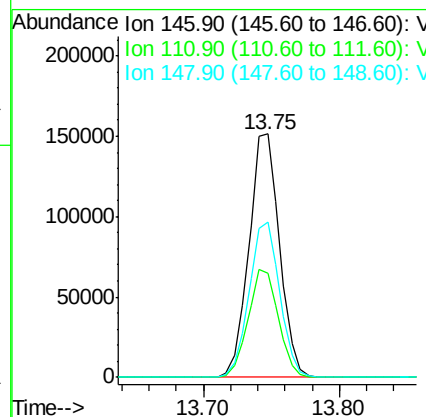
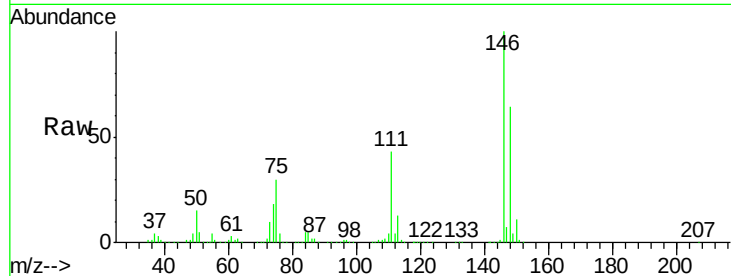
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	239030
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.9	65.8
148	63.5	31.8	95.3

Manual Integrations
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2/5/2020 12:23:43 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.281 ug/l

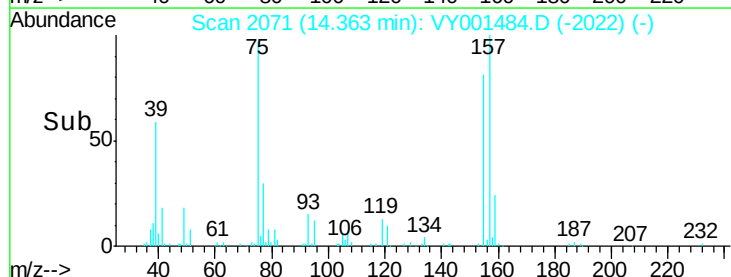
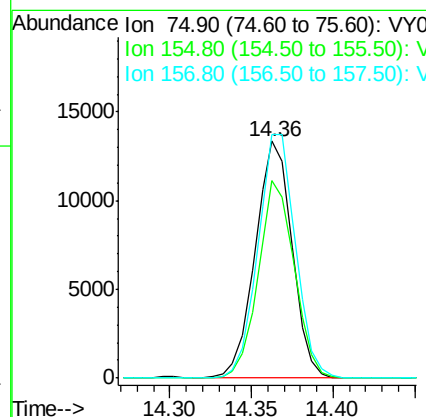
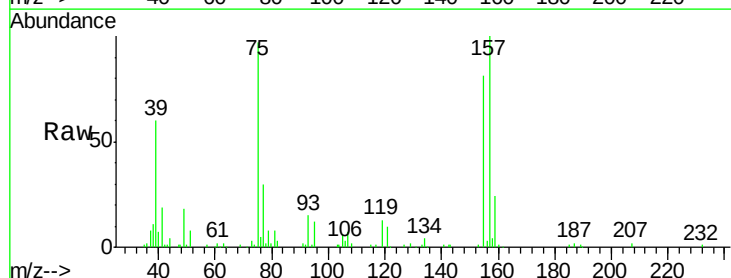
RT: 14.36 min Scan# 2071

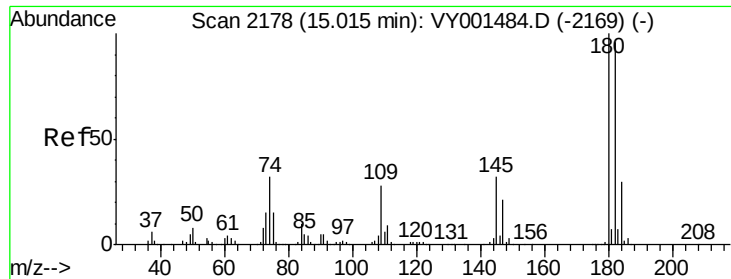
Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	75	Resp:	20979
Ion Ratio	Lower	Upper	
75	100		
155	81.4	40.7	122.1
157	104.7	52.3	157.1





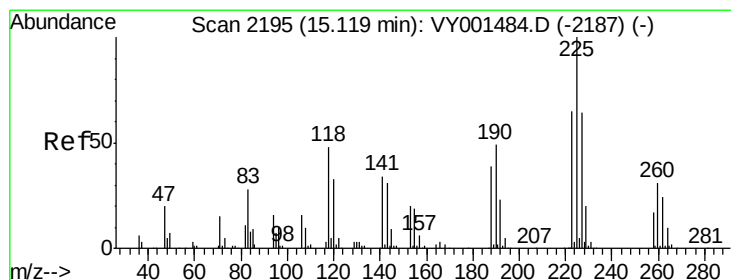
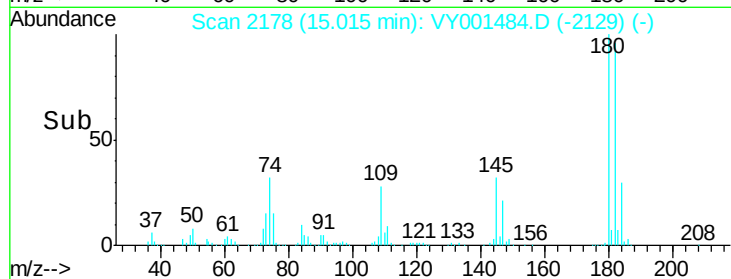
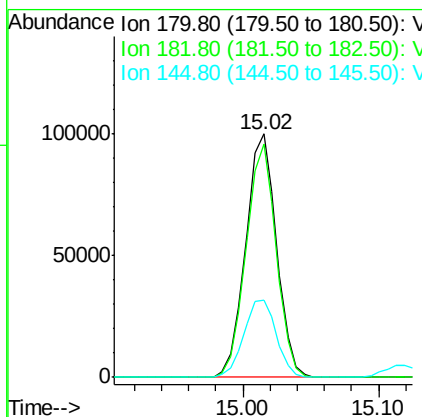
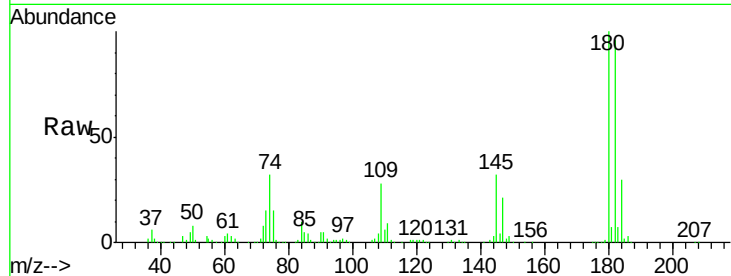
#93
 1,2,4-Trichlorobenzene
 Concen: 46.226 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158153		
182	93.8	46.9	140.7	
145	33.5	16.8	50.3	

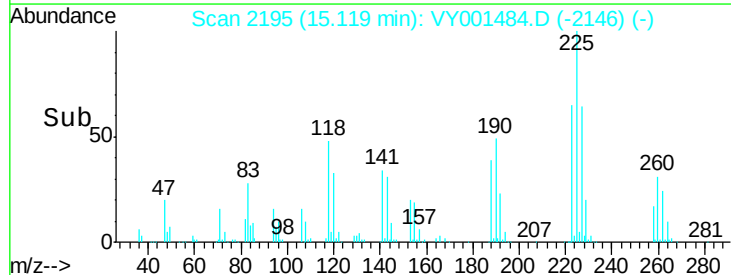
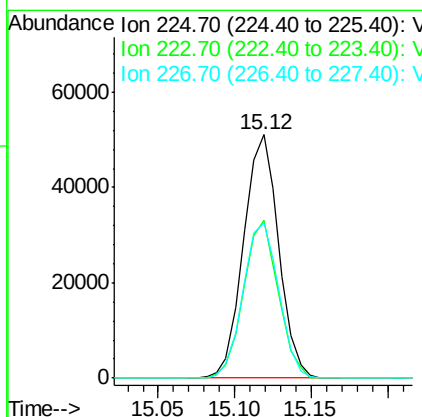
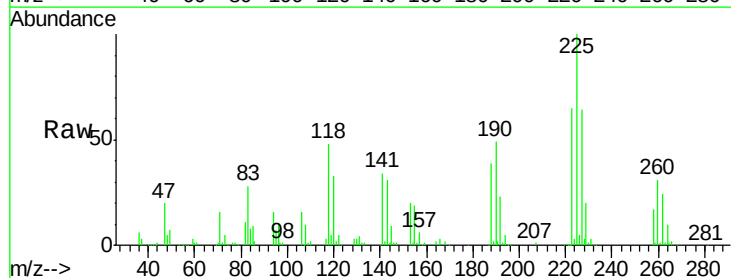
Manual Integrations
 APPROVED

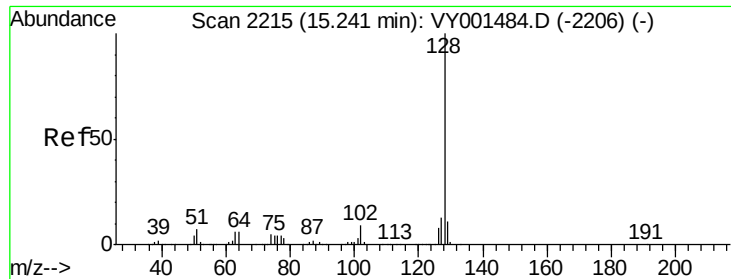
MMDadoda
 2/5/2020 12:23:43 PM



#94
 Hexachlorobutadiene
 Concen: 48.493 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001484.D
 Acq: 04 Feb 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81248		
223	63.8	31.9	95.7	
227	65.1	32.6	97.7	





#95

Naphthalene

Concen: 45.040 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Instrument :

MSVOA_Y

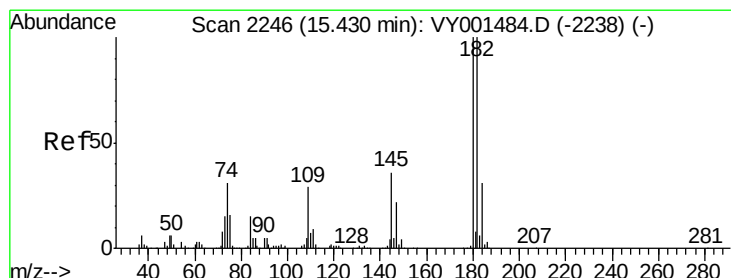
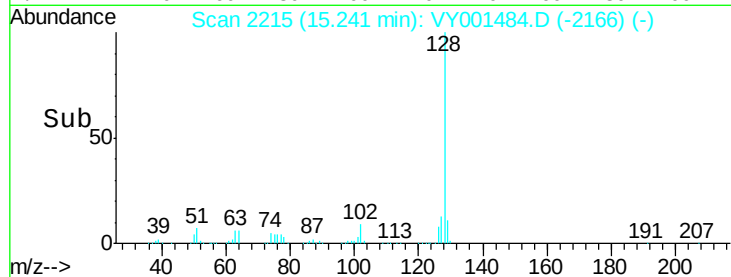
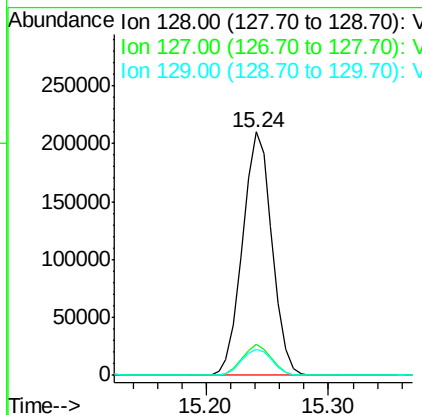
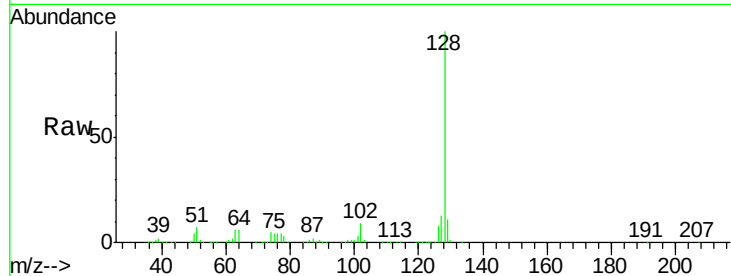
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	349718
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.589 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001484.D

Acq: 04 Feb 2020 13:59

Tgt Ion:	180	Resp:	136226
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	35.7	17.8	53.5

