

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001592.D
 Acq On : 11 Feb 2020 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:12 PM

Quant Time: Feb 12 08:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194177	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	336172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	300359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145954	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	104755	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.75	113	100169	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.20	98	415870	56.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.40%	
62) 4-Bromofluorobenzene	12.50	95	151171	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	84144	44.269	ug/l	92
3) Chloromethane	2.13	50	107746	54.236	ug/l	96
4) Vinyl Chloride	2.27	62	112991	54.776	ug/l	97
5) Bromomethane	2.67	94	72816	56.129	ug/l	98
6) Chloroethane	2.82	64	70408	56.626	ug/l	98
7) Trichlorofluoromethane	3.15	101	152259	44.593	ug/l	98
8) Diethyl Ether	3.55	74	56304	48.866	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.93	101	95961	46.710	ug/l	99
10) Methyl Iodide	4.12	142	119903	45.804	ug/l	98
11) Tert butyl alcohol	4.99	59	46106	203.411	ug/l	98
12) 1,1-Dichloroethene	3.90	96	96365	47.203	ug/l	98
13) Acrolein	3.76	56	43404	234.459	ug/l	99
14) Allyl chloride	4.52	41	166177	53.210	ug/l	97
15) Acrylonitrile	5.21	53	138960	263.074	ug/l	99
16) Acetone	3.97	43	167325	295.874	ug/l	95
17) Carbon Disulfide	4.22	76	305247	46.968	ug/l	98
18) Methyl Acetate	4.51	43	64078	53.096	ug/l	95
19) Methyl tert-butyl Ether	5.26	73	256412	47.229	ug/l	95
20) Methylene Chloride	4.75	84	104524	46.911	ug/l	88
21) trans-1,2-Dichloroethene	5.26	96	108612	47.857	ug/l	100
22) Diisopropyl ether	6.16	45	340463	55.025	ug/l	97
23) Vinyl Acetate	6.10	43	1090947	276.970	ug/l	94
24) 1,1-Dichloroethane	6.06	63	182498	49.036	ug/l	99
25) 2-Butanone	7.02	43	217152	295.974	ug/l	93
26) 2,2-Dichloropropane	7.02	77	162761	45.695	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	118380	47.756	ug/l	97
28) Bromochloromethane	7.37	49	80402	63.416	ug/l	88
29) Tetrahydrofuran	7.38	42	122237	277.970	ug/l	93
30) Chloroform	7.54	83	177911	47.193	ug/l	98
31) Cyclohexane	7.82	56	186798	49.067	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	156965	45.924	ug/l	98
36) 1,1-Dichloropropene	7.95	75	149858	48.729	ug/l	100
37) Ethyl Acetate	7.11	43	82504	55.418	ug/l #	95
38) Carbon Tetrachloride	7.93	117	136301	45.809	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	199273	49.211	ug/l	100
40) Benzene	8.19	78	441108	50.287	ug/l	100
41) Methacrylonitrile	7.35	41	33774m	48.948	ug/l	
42) 1,2-Dichloroethane	8.27	62	118024	48.295	ug/l	98
43) Isopropyl Acetate	8.30	43	162993	55.296	ug/l	94
44) Trichloroethene	8.96	130	111453	47.137	ug/l	100
45) 1,2-Dichloropropane	9.24	63	111373	52.580	ug/l	97
46) Dibromomethane	9.33	93	57114	48.019	ug/l	99
47) Bromodichloromethane	9.52	83	141122	48.696	ug/l	97
48) Methyl methacrylate	9.31	41	73124	54.658	ug/l	93
49) 1,4-Dioxane	9.33	88	14737	938.182	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	416771	287.103	ug/l	95
52) Toluene	10.26	92	276577	49.692	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	154978	49.098	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	176283	48.646	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	84351	49.429	ug/l	99
56) Ethyl methacrylate	10.52	69	124456	51.275	ug/l	92
57) 1,3-Dichloropropane	10.81	76	147767	49.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	262462	293.937	ug/l	96
59) 2-Hexanone	10.85	43	323436	306.438	ug/l	97
60) Dibromochloromethane	11.00	129	95904	47.676	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80367	47.814	ug/l	100
64) Tetrachloroethene	10.74	164	94979	48.218	ug/l	98
65) Chlorobenzene	11.53	112	285239	48.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	99329	48.123	ug/l	98
67) Ethyl Benzene	11.61	91	535895	49.145	ug/l	98
68) m/p-Xylenes	11.72	106	400990	97.957	ug/l	99
69) o-Xylene	12.05	106	190246	49.291	ug/l	100
70) Styrene	12.06	104	331008	49.593	ug/l	98
71) Bromoform	12.22	173	56301	48.986	ug/l	99
73) Isopropylbenzene	12.34	105	515400	46.300	ug/l	100
74) N-amyl acetate	12.16	43	157323	54.388	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	105274	49.777	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	78840m	50.230	ug/l	
77) Bromobenzene	12.62	156	111094	46.116	ug/l	95
78) n-propylbenzene	12.69	91	633434	47.532	ug/l	99
79) 2-Chlorotoluene	12.77	91	352292	46.377	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	429526	45.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39637	48.863	ug/l	98
82) 4-Chlorotoluene	12.87	91	372574	46.780	ug/l	100
83) tert-Butylbenzene	13.09	119	363835	45.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	428484	46.180	ug/l	98
85) sec-Butylbenzene	13.27	105	534188	47.947	ug/l	100
86) p-Isopropyltoluene	13.38	119	464197	47.280	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	222091	48.106	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	218239	47.185	ug/l	99
89) n-Butylbenzene	13.71	91	471135	48.635	ug/l	99
90) Hexachloroethane	13.97	117	88060	46.731	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	199237	47.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17072	43.726	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	131039	46.477	ug/l	99
94) Hexachlorobutadiene	15.12	225	65364	45.679	ug/l	98
95) Naphthalene	15.25	128	291493	43.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	114840	46.143	ug/l	96

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

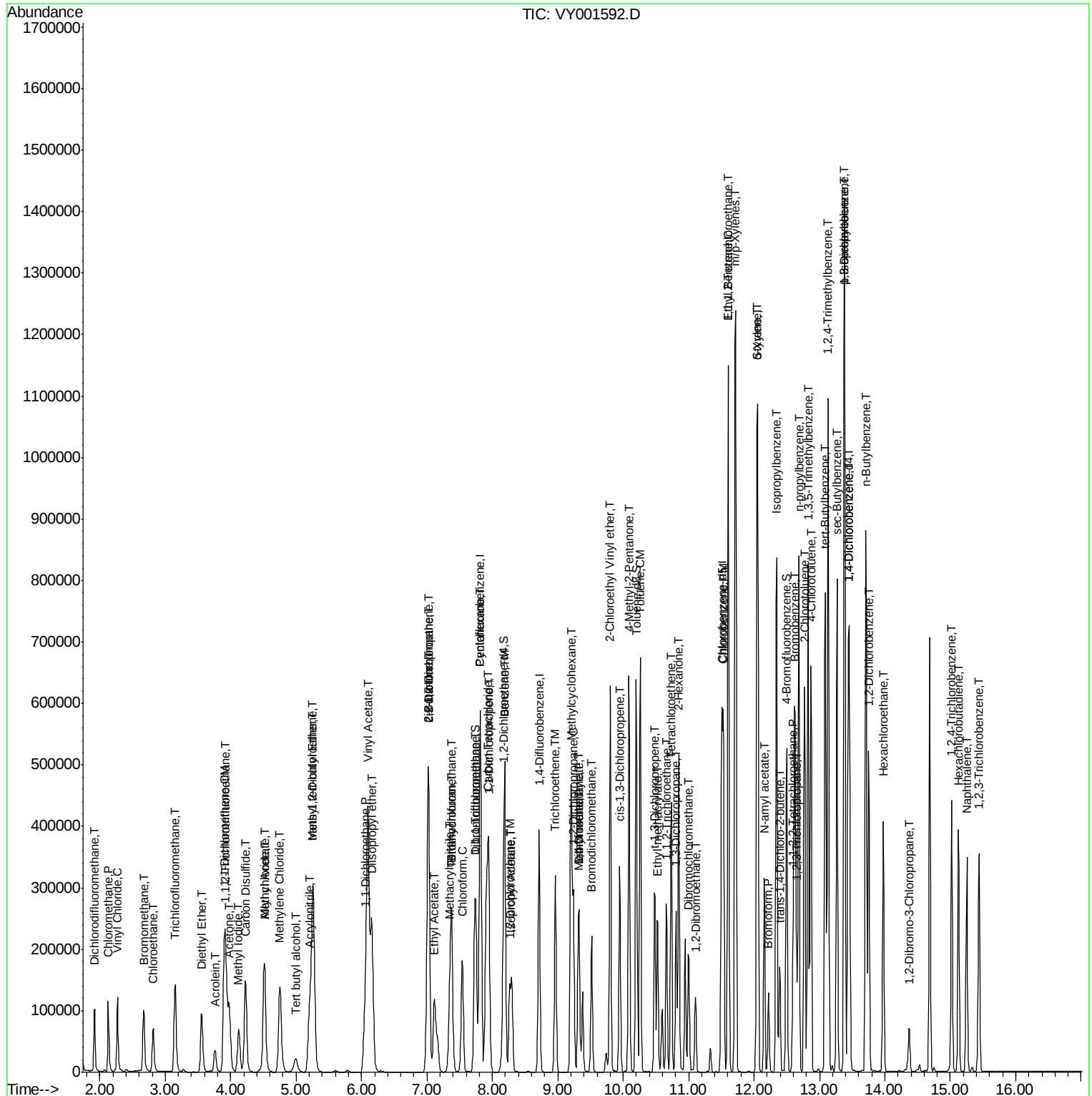
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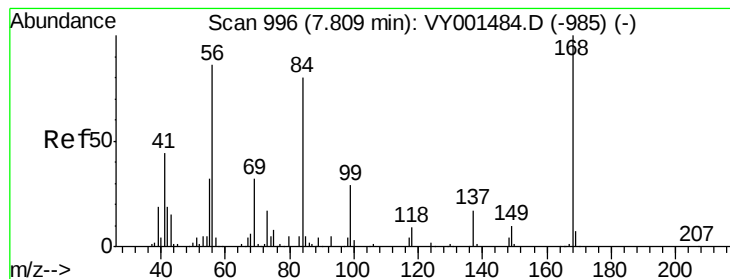
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194177

Ion Ratio Lower Upper

168 100

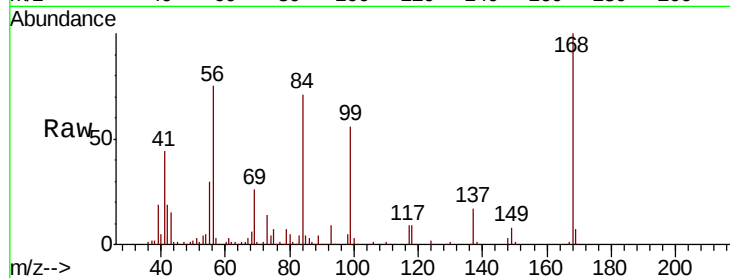
99 56.4 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001592.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001592.D (-947) (-)

7.82

80000

60000

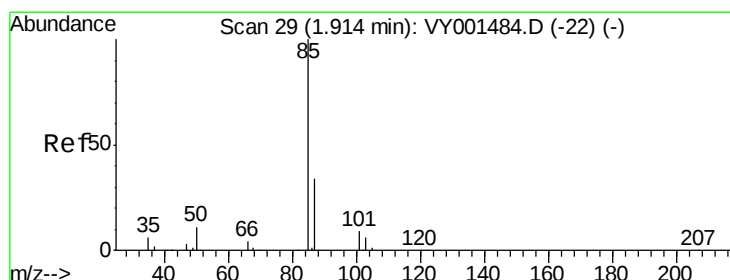
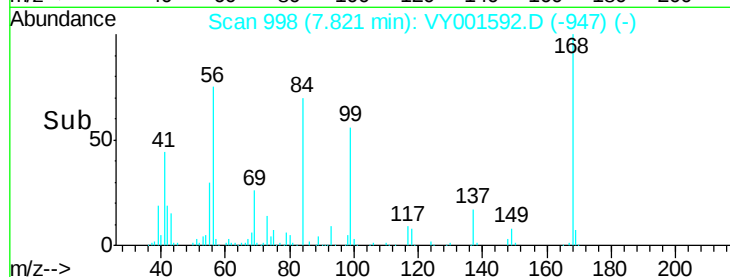
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.269 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001592.D

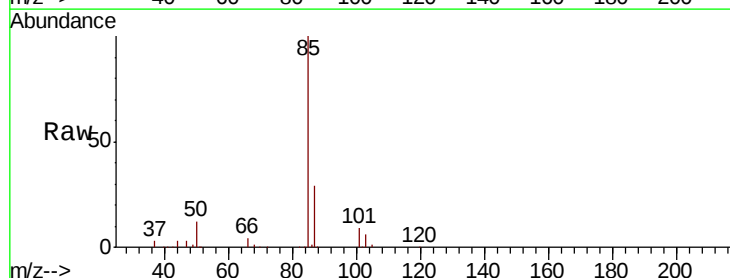
Acq: 11 Feb 2020 10:26

Tgt Ion: 85 Resp: 84144

Ion Ratio Lower Upper

85 100

87 29.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001592.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001592.D (-1) (-)

1.92

60000

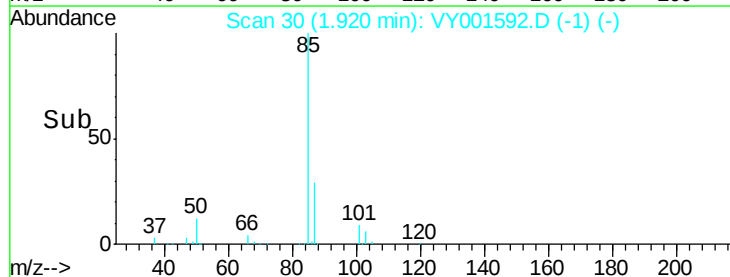
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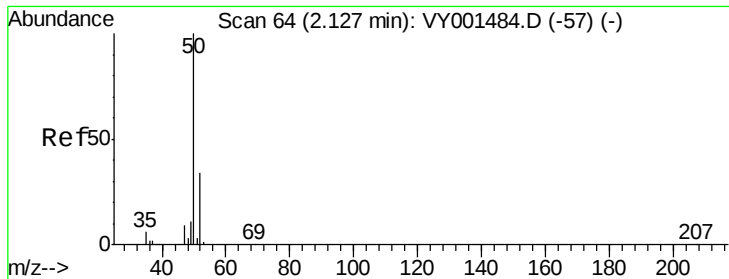
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 54.236 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107746

Ion Ratio Lower Upper

50 100

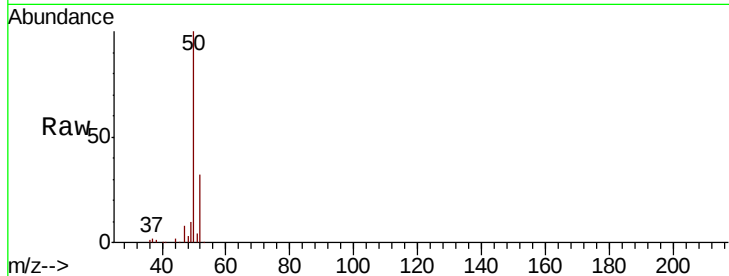
52 31.5 27.3 40.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY001592.D (-15) (-)

Ion 51.90 (51.60 to 52.60): VY001592.D (-15) (-)

2.13

80000

60000

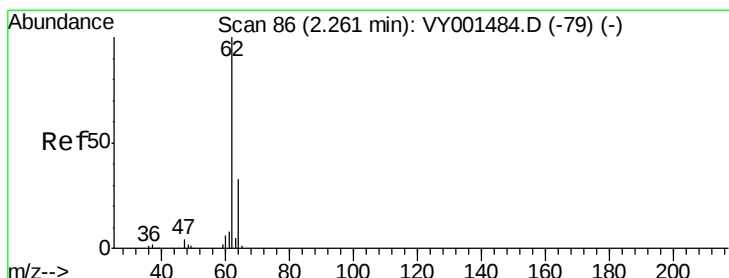
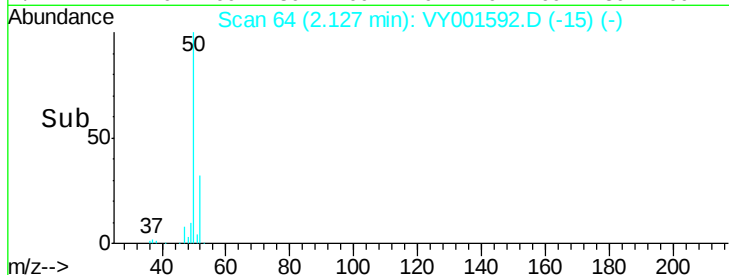
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20000

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Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 54.776 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001592.D

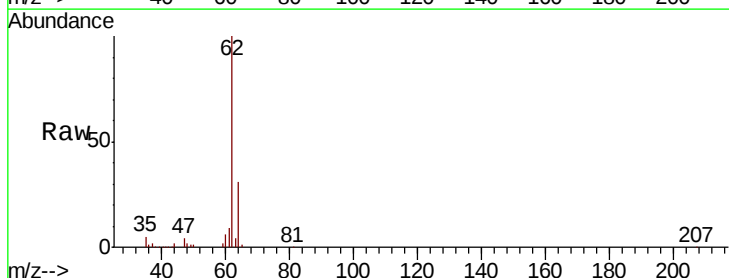
Acq: 11 Feb 2020 10:26

Tgt Ion: 62 Resp: 112991

Ion Ratio Lower Upper

62 100

64 31.2 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY001592.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VY001592.D (-37) (-)

2.27

80000

60000

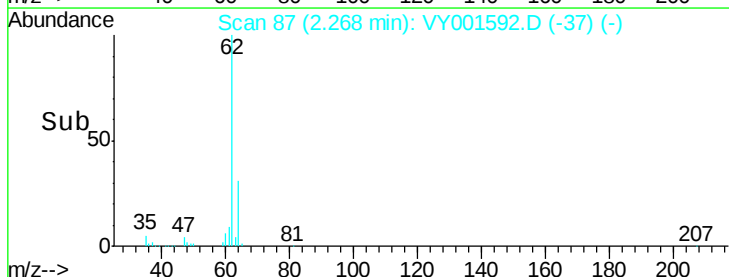
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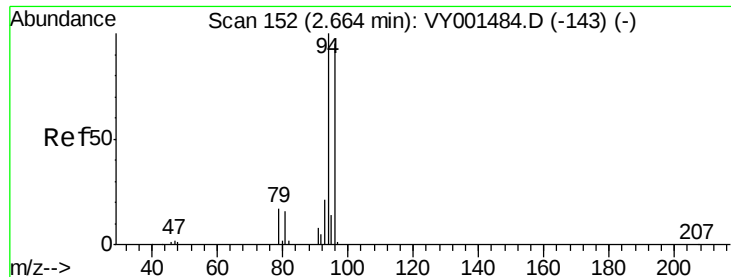
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Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 56.129 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72816

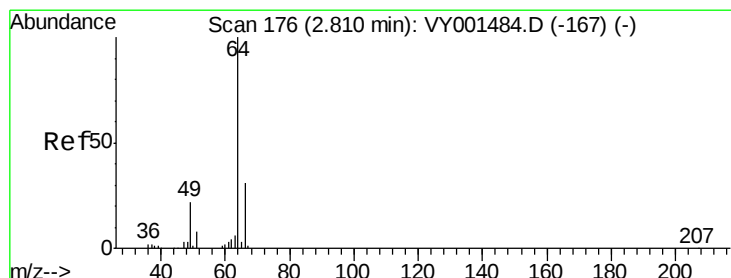
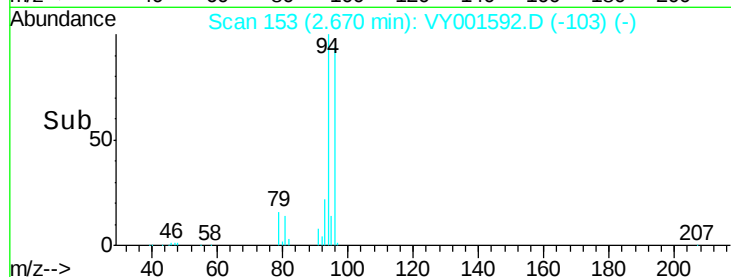
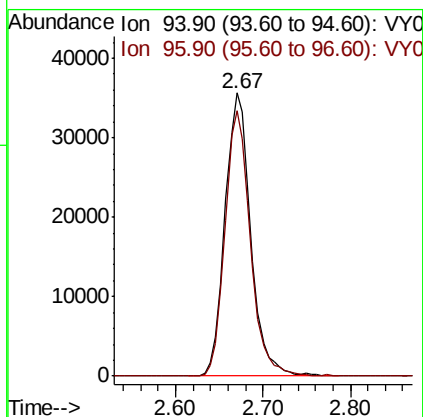
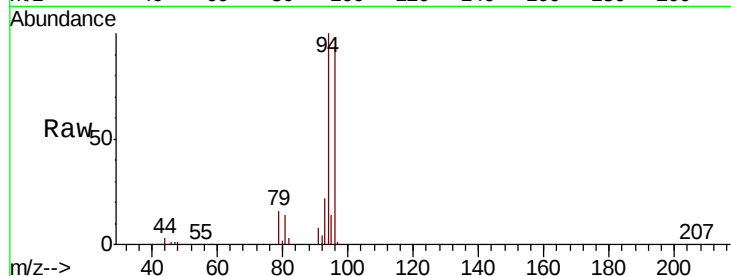
Ion Ratio Lower Upper

94 100

96 93.6 76.2 114.2

Manual Integrations
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#6

Chloroethane

Concen: 56.626 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001592.D

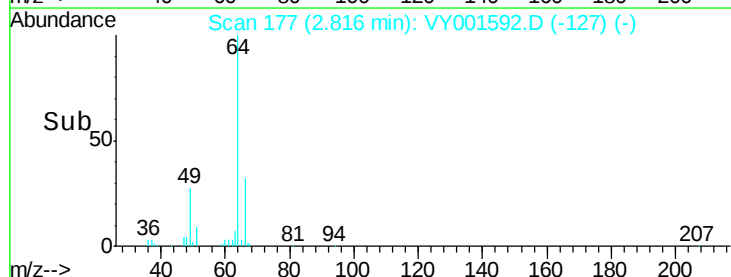
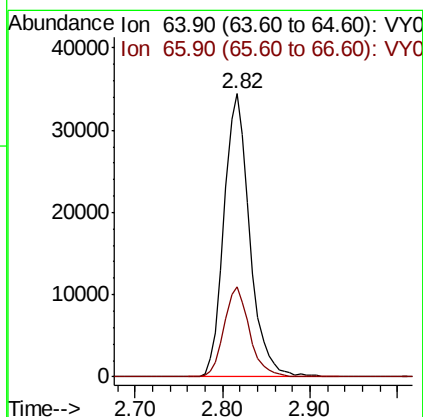
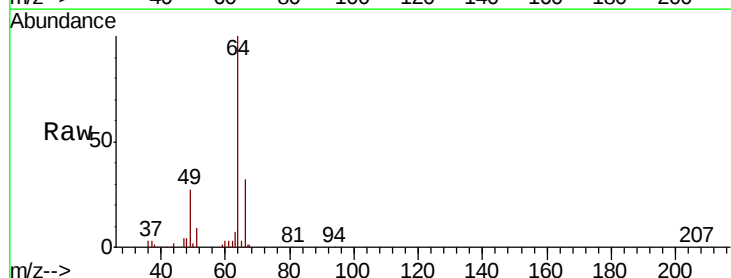
Acq: 11 Feb 2020 10:26

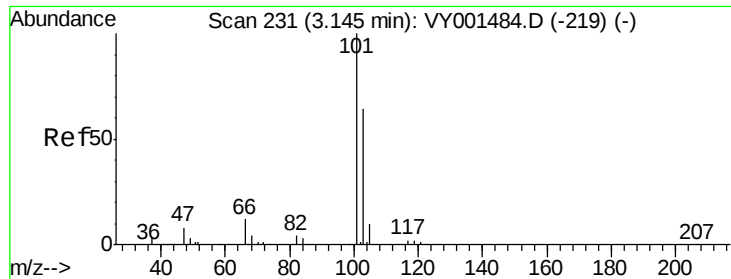
Tgt Ion: 64 Resp: 70408

Ion Ratio Lower Upper

64 100

66 31.9 24.5 36.7





#7

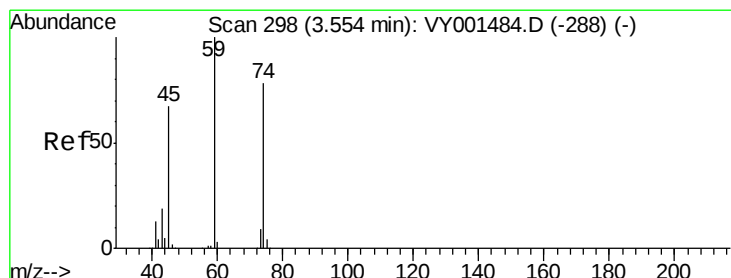
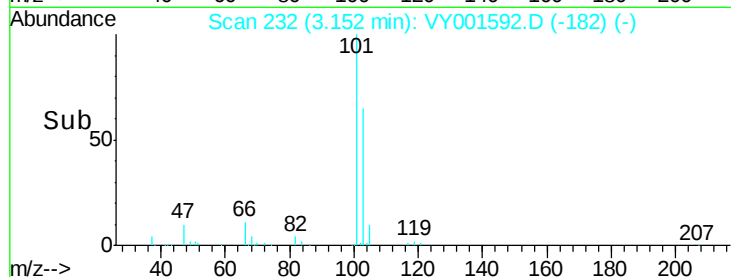
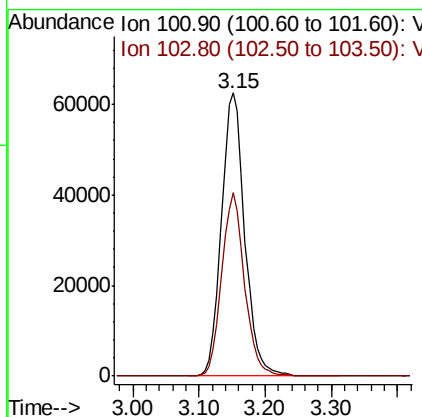
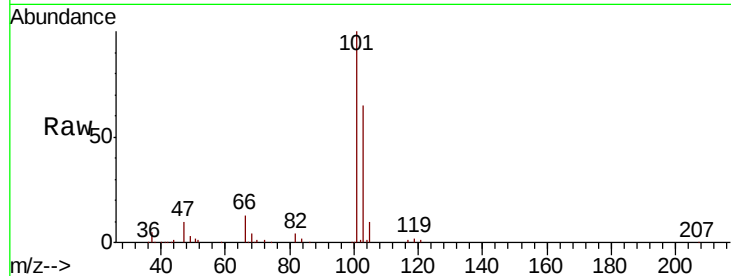
Trichlorofluoromethane
Concen: 44.593 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001592.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	152259		
103	64.8	50.9	76.3	

Manual Integrations
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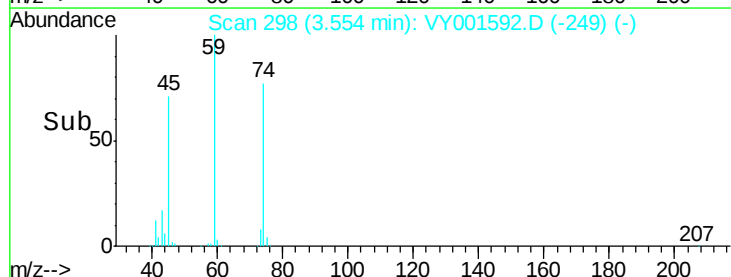
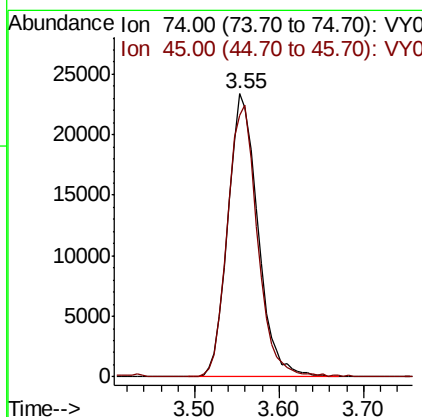
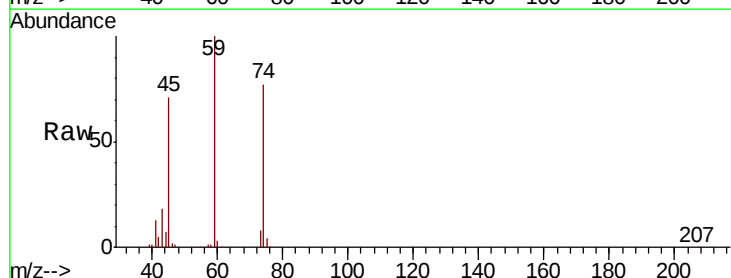
MMDadoda
2/12/2020 3:12:12 PM

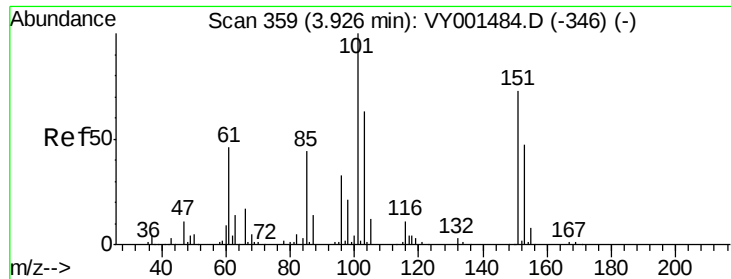


#8

Diethyl Ether
Concen: 48.866 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001592.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56304		
45	96.1	44.5	133.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.710 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

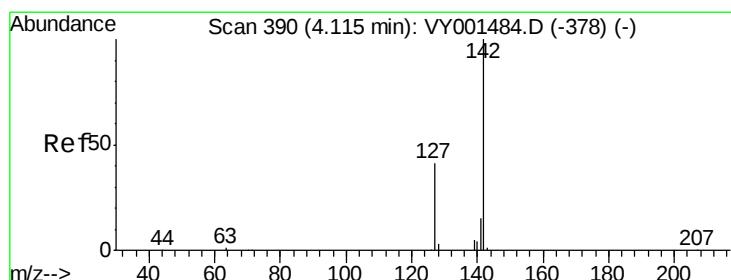
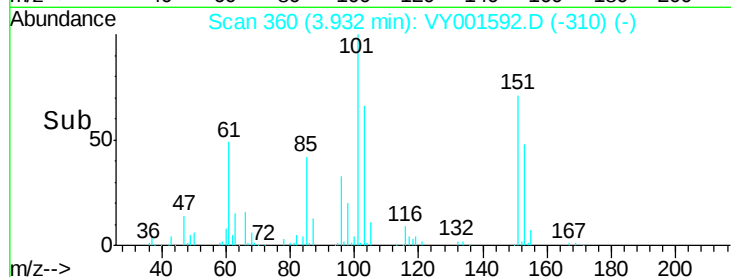
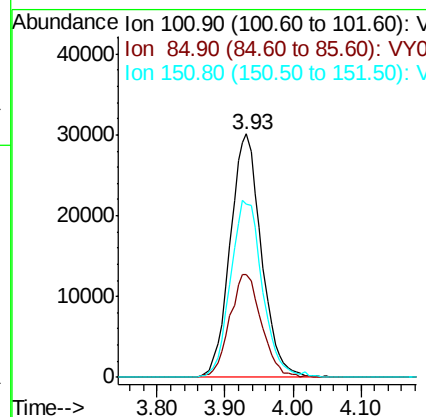
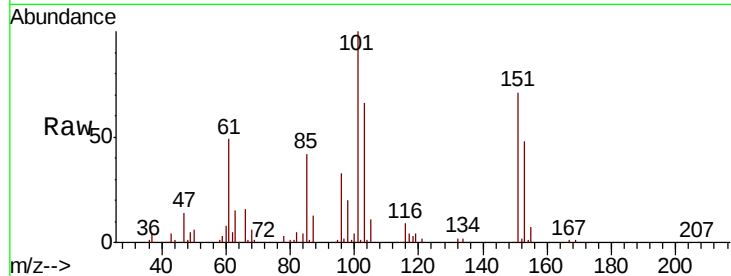
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	95961
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	51.8
151	74.2	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 45.804 ug/l

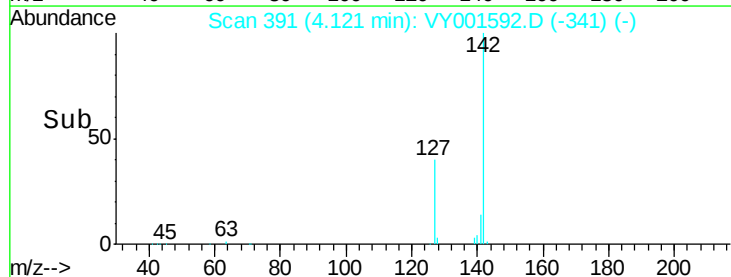
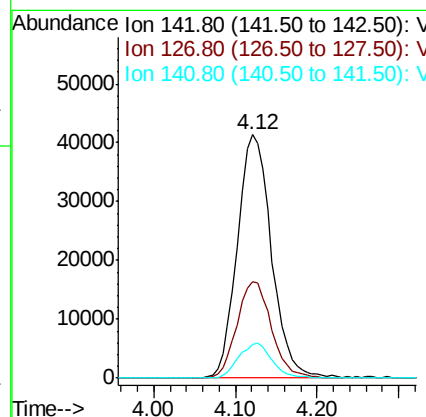
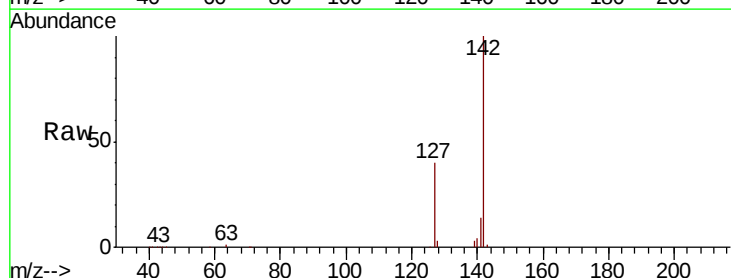
RT: 4.12 min Scan# 391

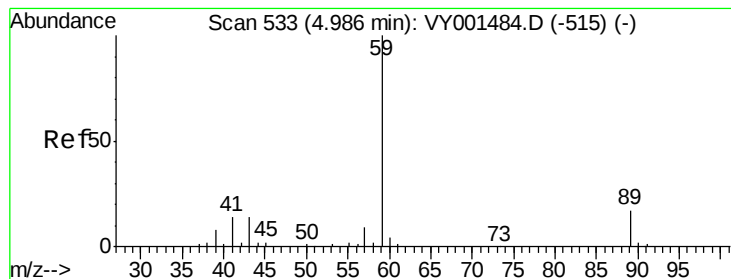
Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion:	142	Resp:	119903
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.3	49.9
141	14.1	11.5	17.3





#11

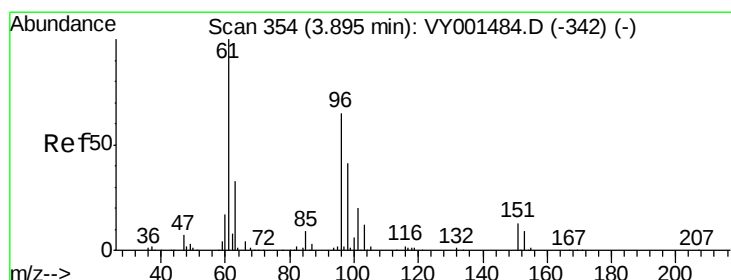
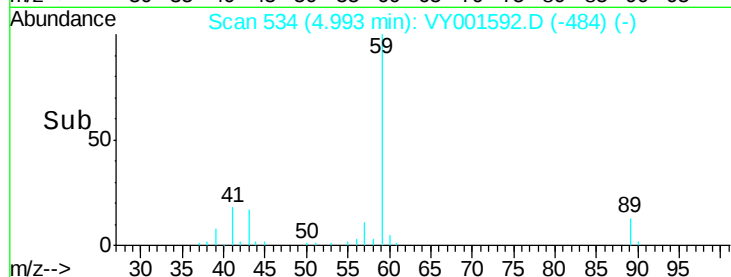
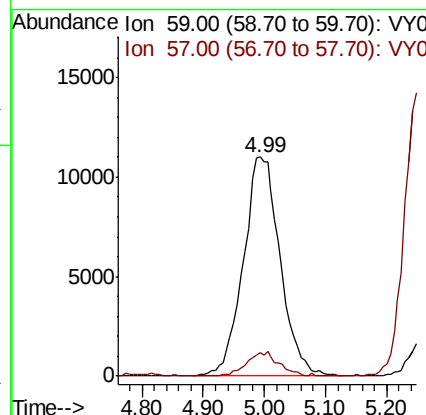
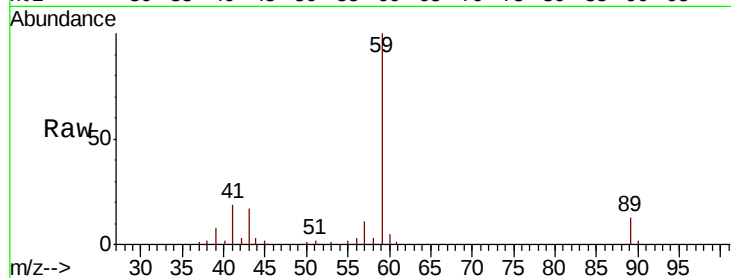
Tert butyl alcohol
 Concen: 203.411 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.0	10.6

Manual Integrations
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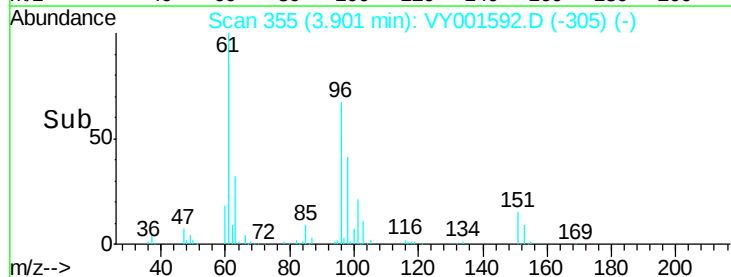
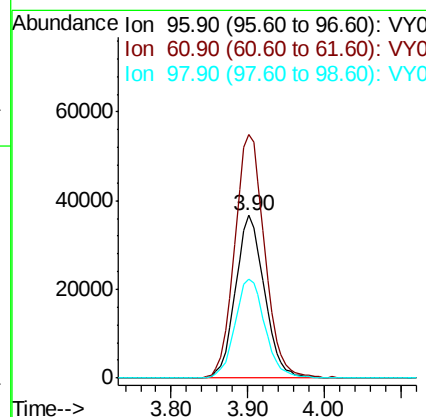
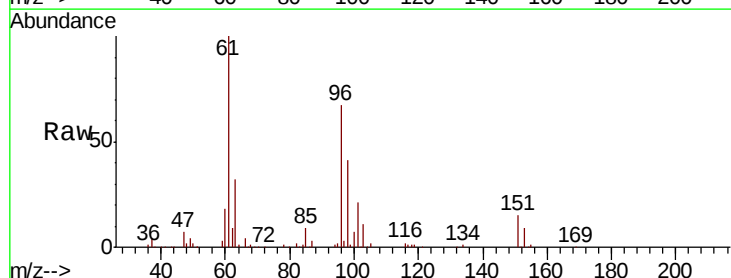
MMDadoda
 2/12/2020 3:12:12 PM

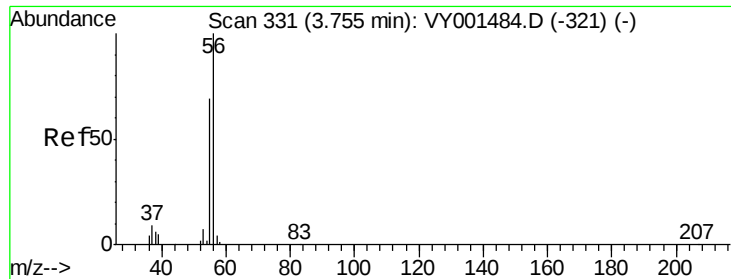


#12

1,1-Dichloroethene
 Concen: 47.203 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	122.3	183.5
98	60.8	49.7	74.5





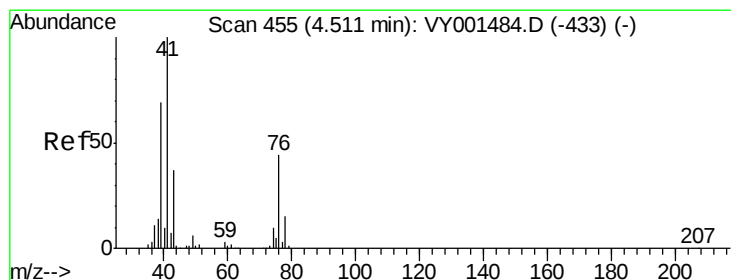
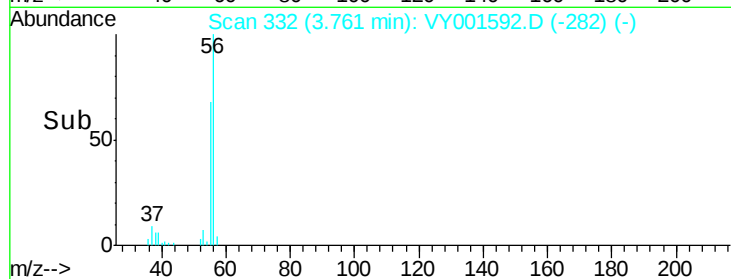
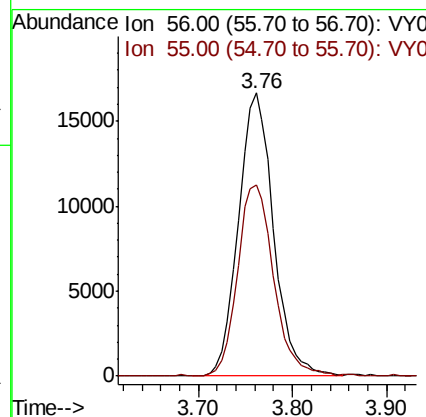
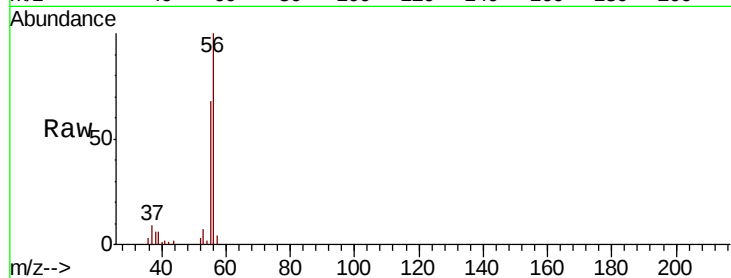
#13
Acrolein
Concen: 234.459 ug/l
RT: 3.76 min Scan# 332
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	43404
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	56.2	84.4

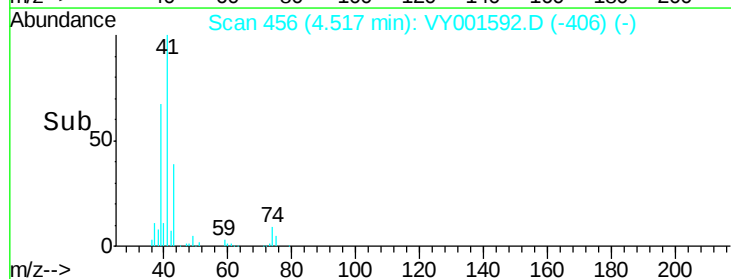
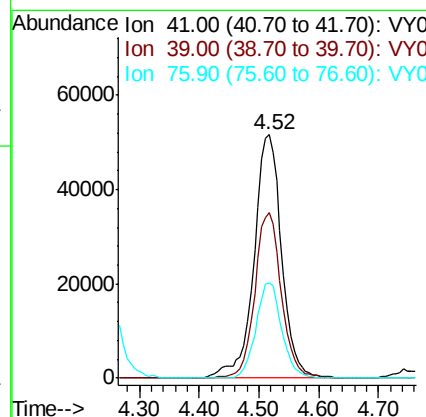
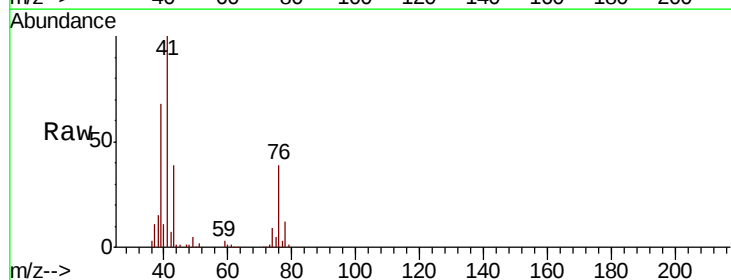
Manual Integrations
APPROVED

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#14
Allyl chloride
Concen: 53.210 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	41	Resp	166177
Ion Ratio	100	Lower	Upper
41	100		
39	65.3	53.0	79.6
76	36.5	32.6	48.8





#15

Acrylonitrile

Concen: 263.074 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

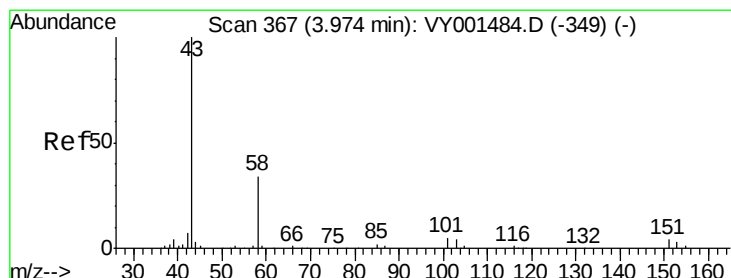
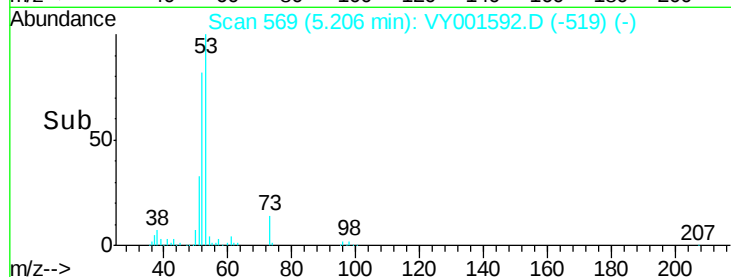
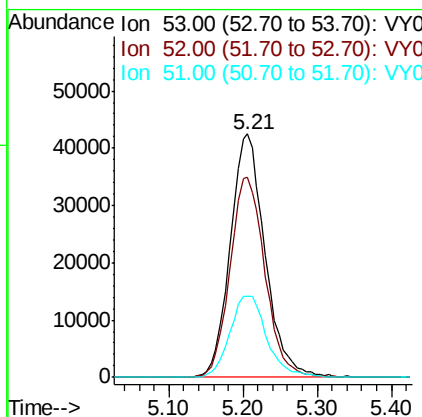
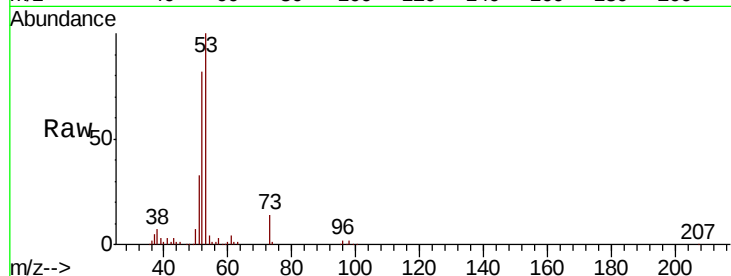
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	138960
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.4	98.2
51	35.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 295.874 ug/l

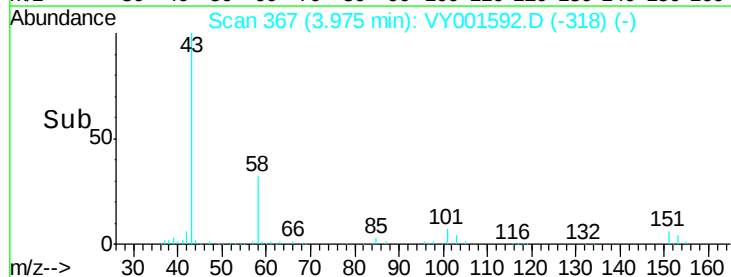
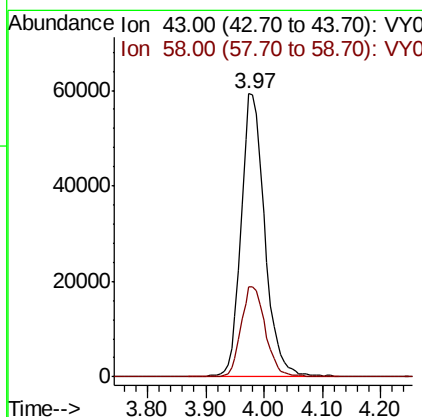
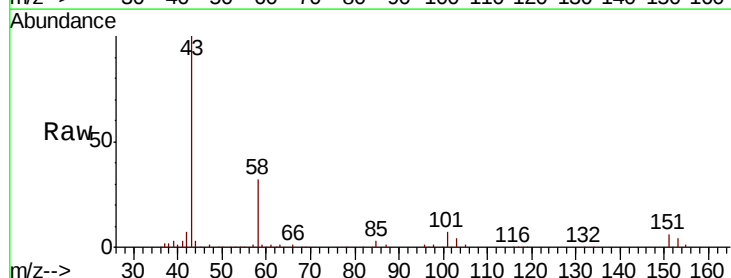
RT: 3.97 min Scan# 367

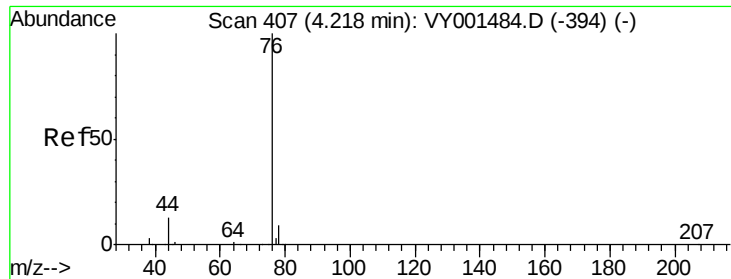
Delta R.T. 0.00 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion:	43	Resp:	167325
Ion Ratio	Lower	Upper	
43	100		
58	31.8	27.5	41.3





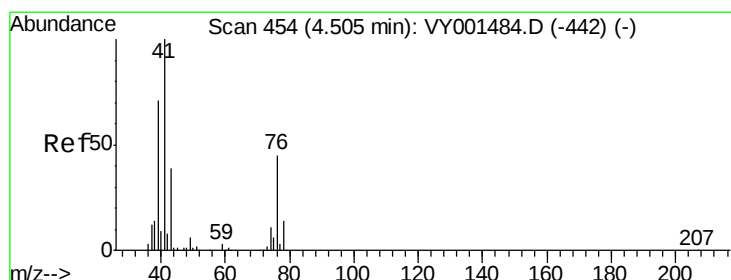
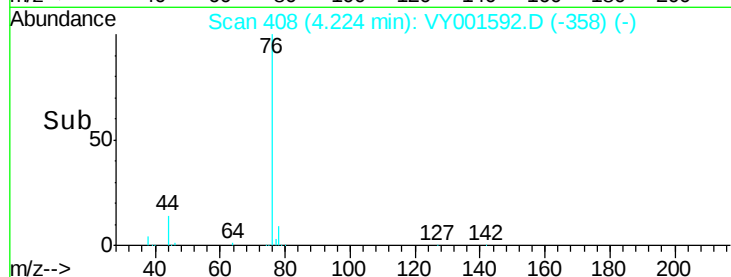
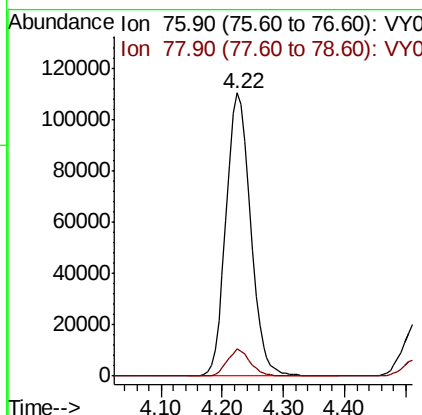
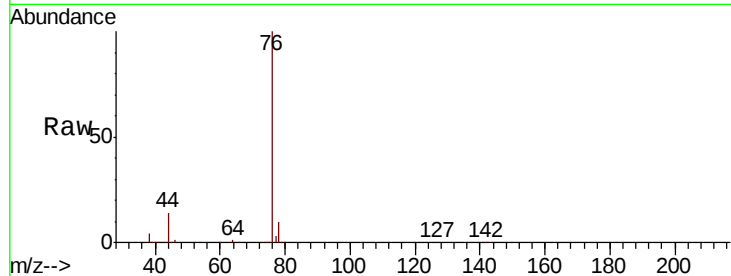
#17
Carbon Disulfide
Concen: 46.968 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

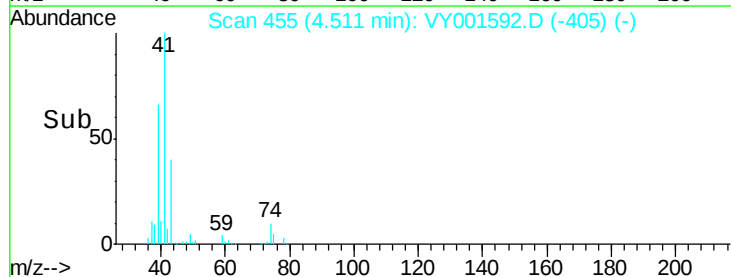
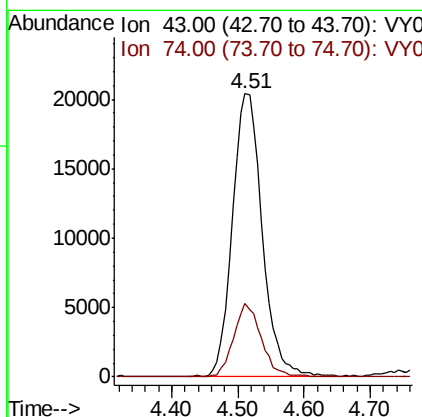
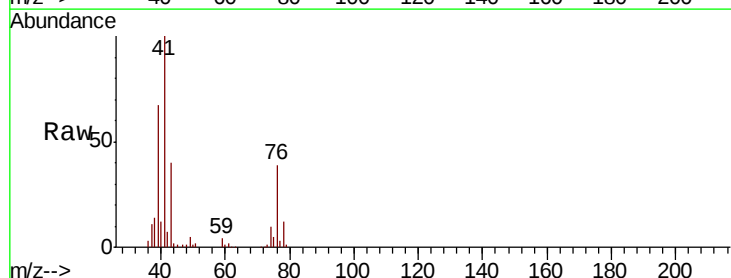
Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:12 PM



#18
Methyl Acetate
Concen: 53.096 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	21.0	31.6





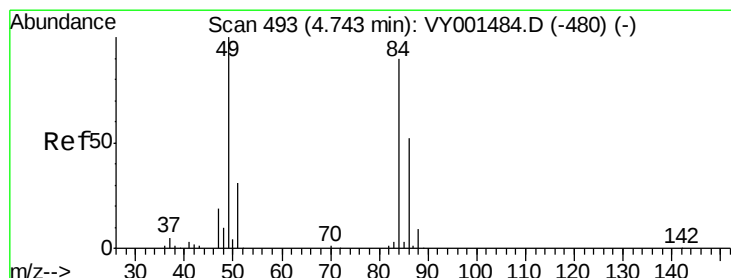
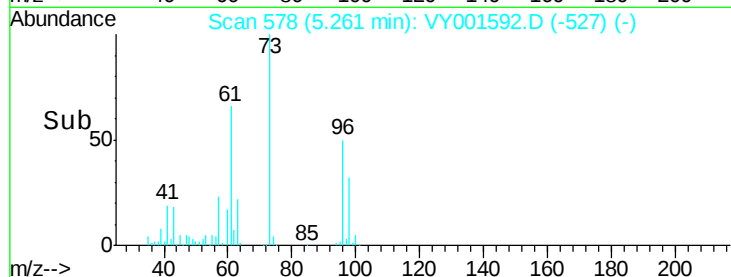
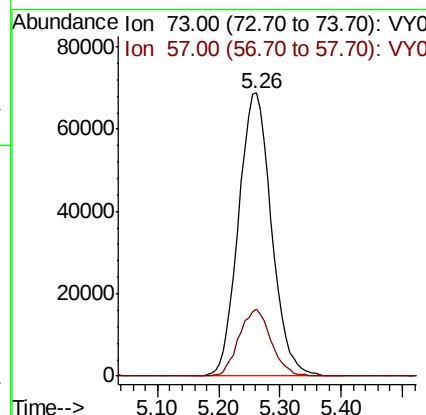
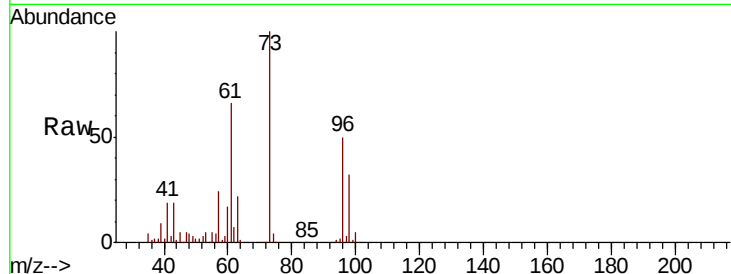
#19
Methvl tert-butvl Ether
Concen: 47.229 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.0	25.6

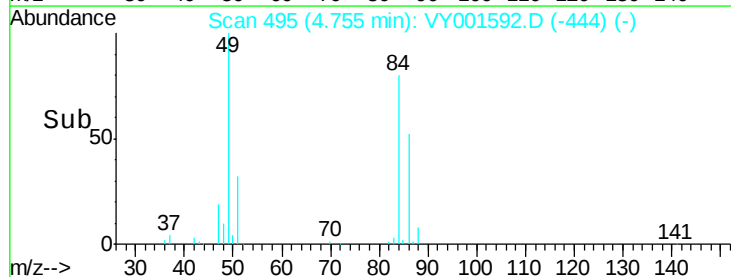
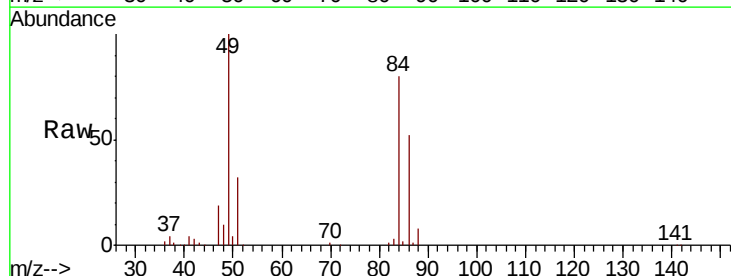
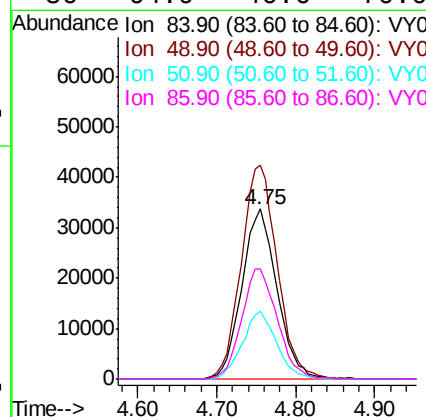
Manual Integrations
APPROVED

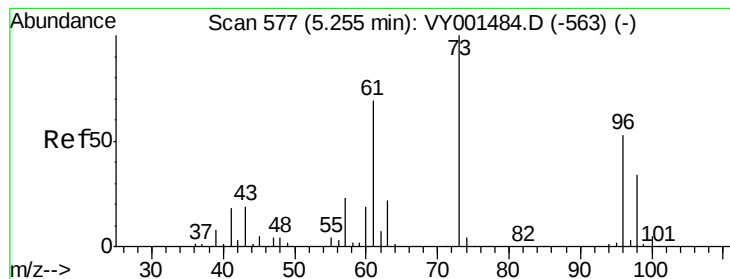
MMDadoda
2/12/2020 3:12:12 PM



#20
Methylene Chloride
Concen: 46.911 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	89.0	133.6
51	40.2	27.4	41.2
86	64.9	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 47.857 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

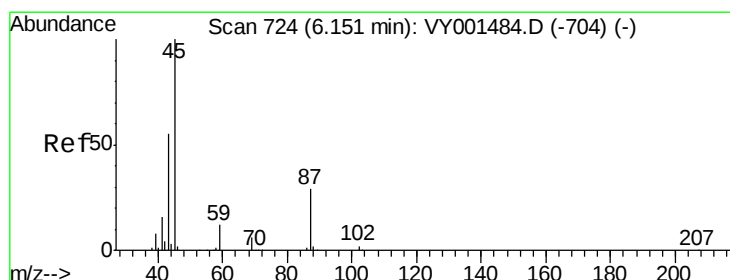
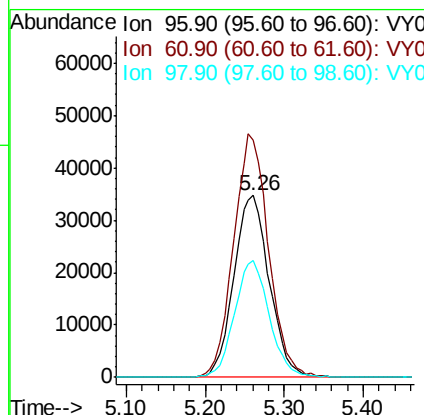
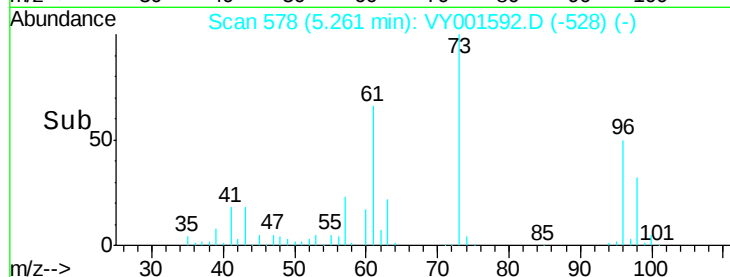
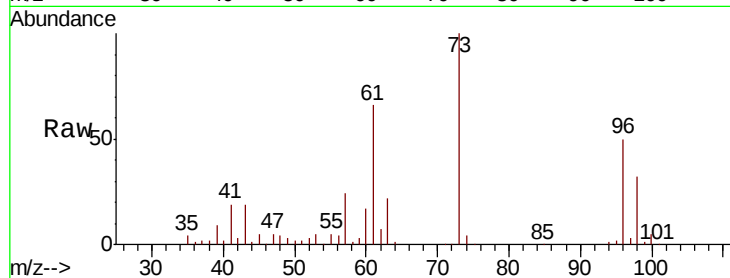
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108612
Ion Ratio	Lower	Upper	
96	100		
61	130.8	104.2	156.4
98	64.1	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.025 ug/l

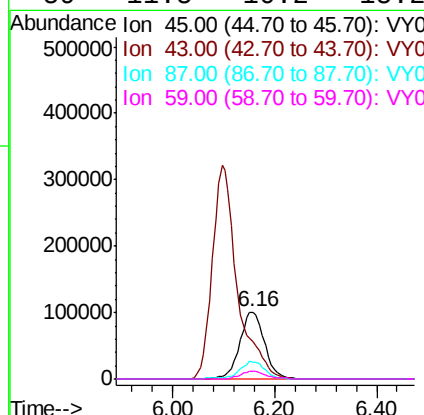
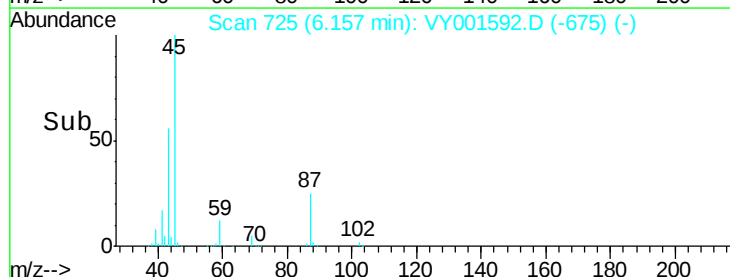
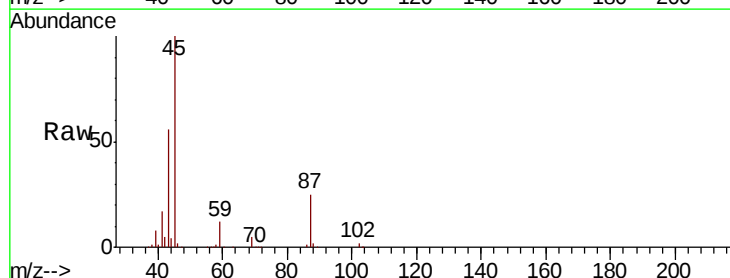
RT: 6.16 min Scan# 725

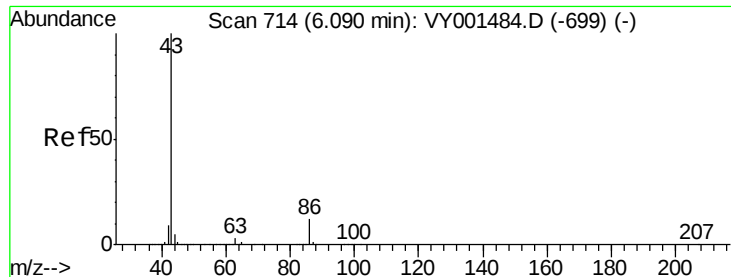
Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion:	45	Resp:	340463
Ion Ratio	Lower	Upper	
45	100		
43	55.6	44.2	66.4
87	25.4	23.9	35.9
59	11.5	10.2	15.2





#23

Vinyl Acetate

Concen: 276.970 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1090947

Ion Ratio Lower Upper

43 100

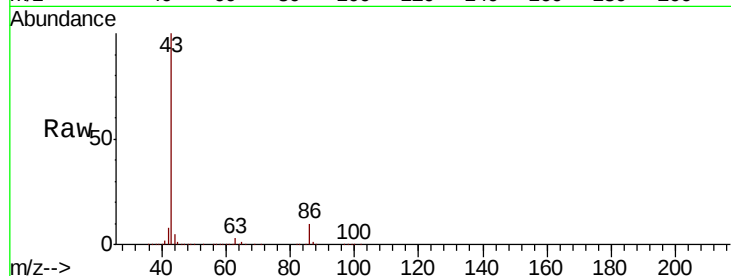
86 10.1 9.8 14.8

Manual Integrations

APPROVED

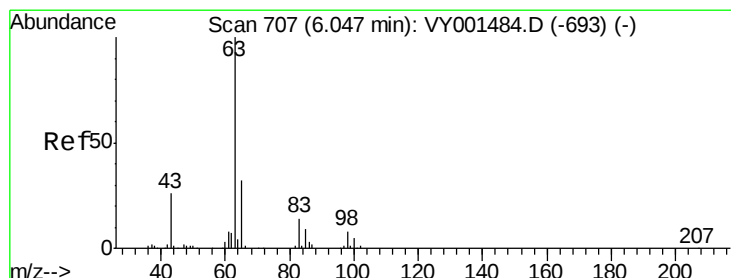
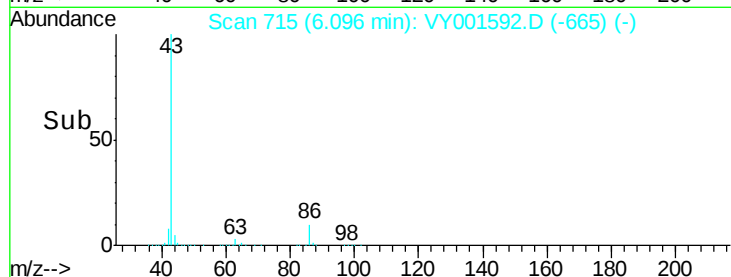
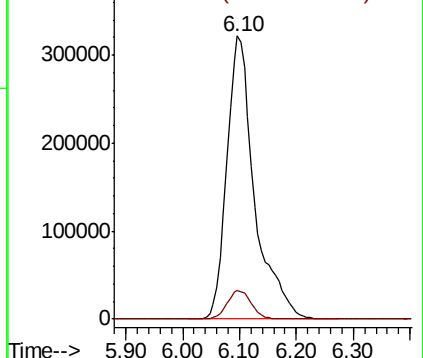
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.036 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

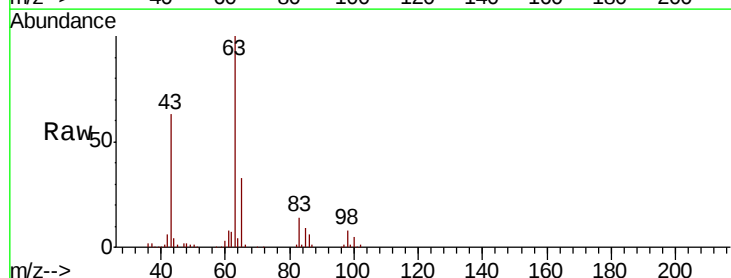
Tgt Ion: 63 Resp: 182498

Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

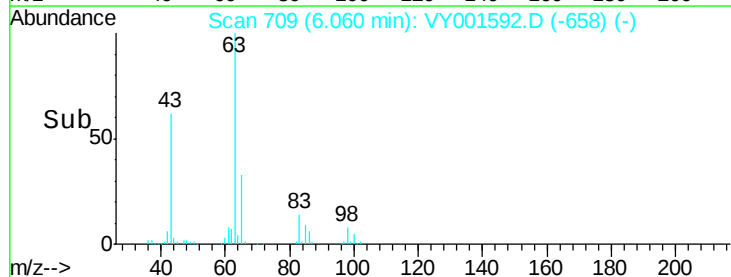
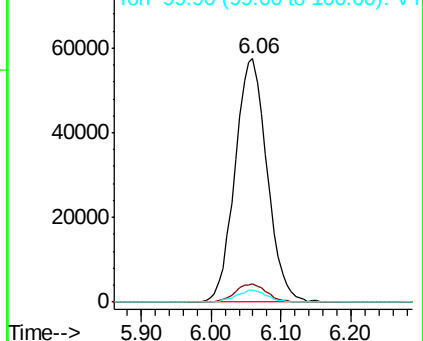
100 4.9 2.6 8.0

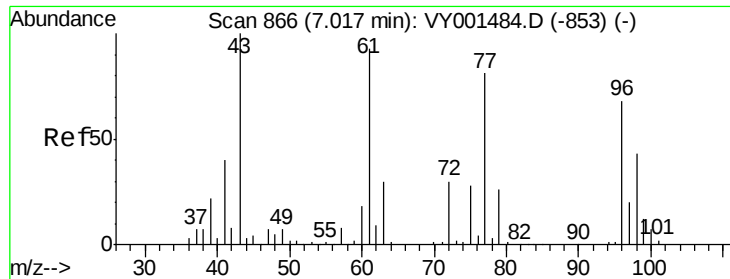


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





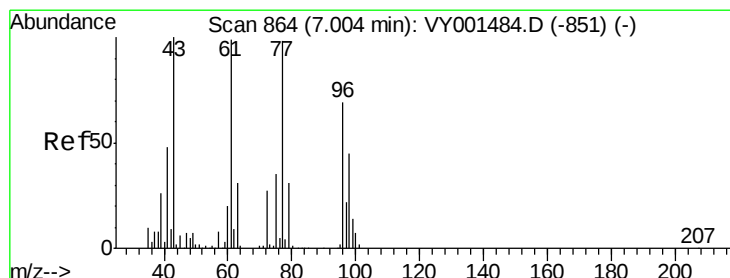
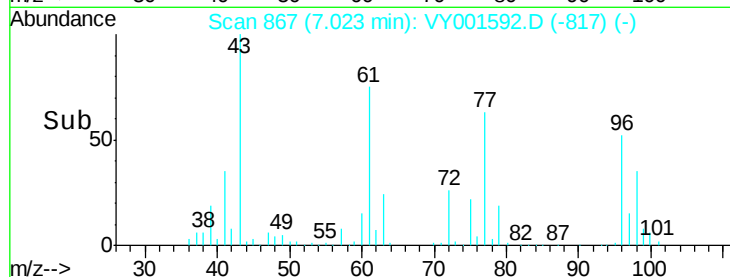
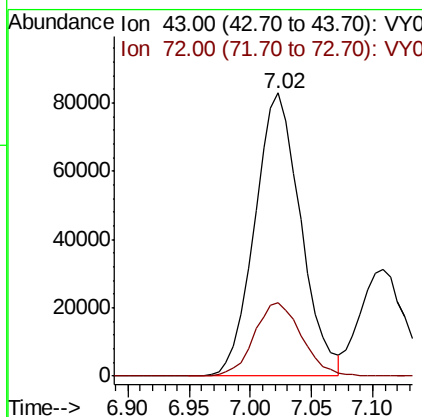
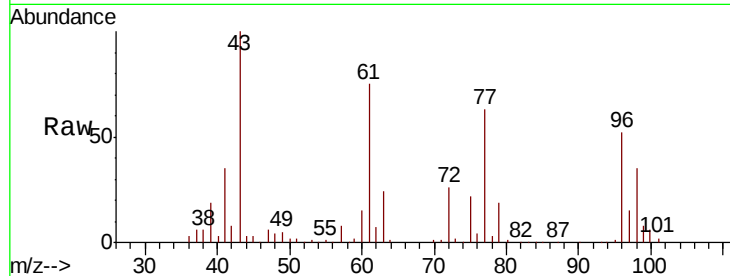
#25
2-Butanone
Concen: 295.974 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 217152
Ion Ratio Lower Upper
43 100
72 26.1 23.8 35.8

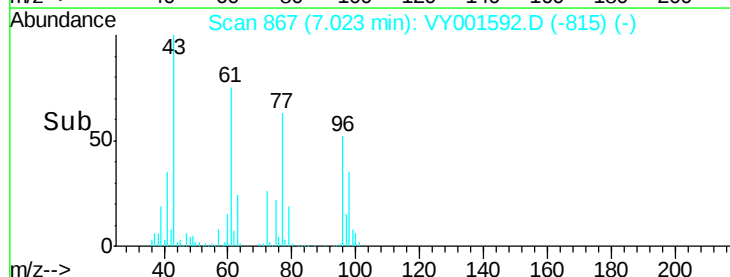
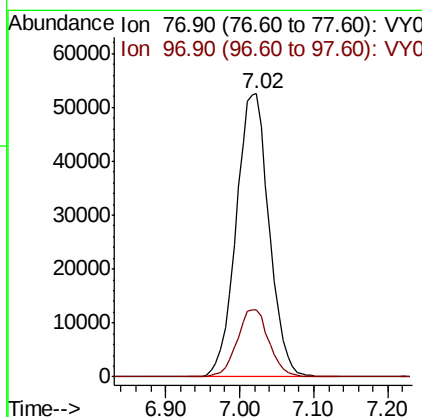
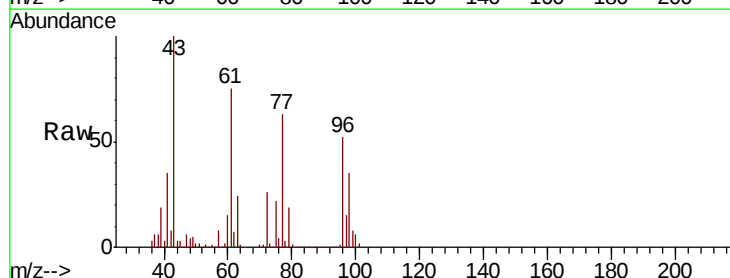
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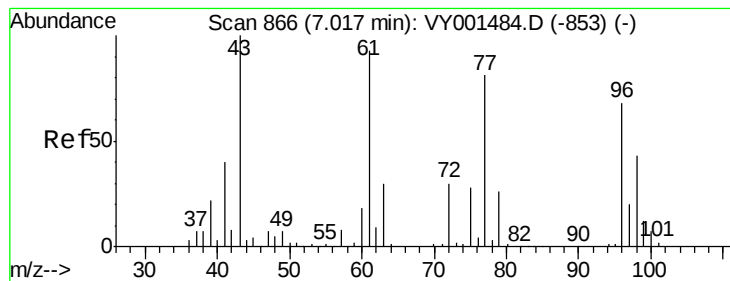
MMDadoda
2/12/2020 3:12:12 PM



#26
2,2-Dichloropropane
Concen: 45.695 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.02 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion: 77 Resp: 162761
Ion Ratio Lower Upper
77 100
97 23.1 11.7 35.0





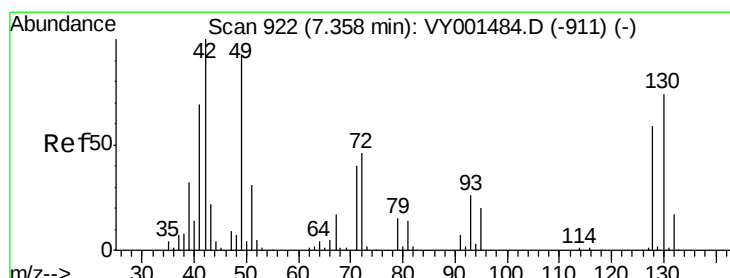
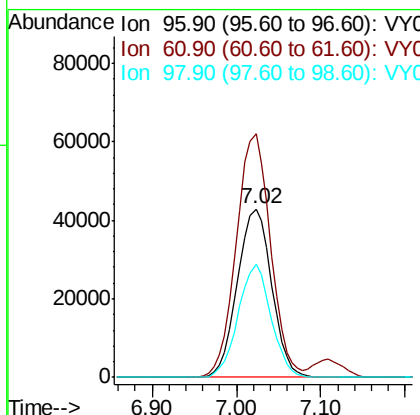
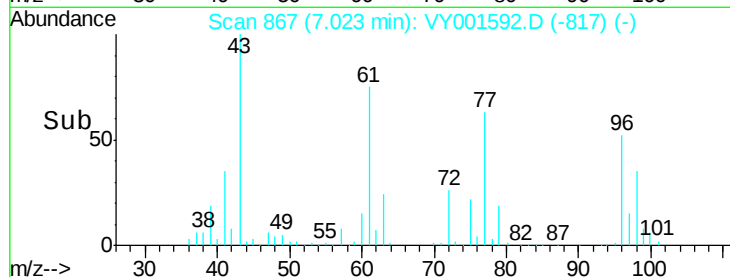
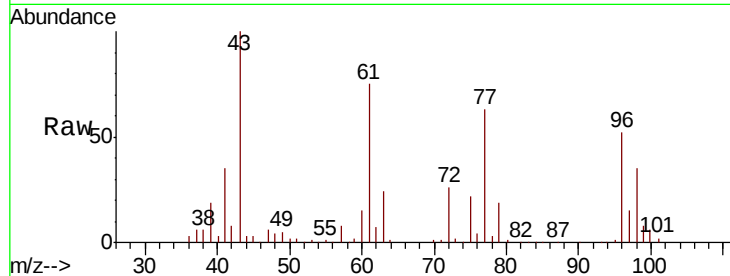
#27
 cis-1,2-Dichloroethene
 Concen: 47.756 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118380		
61	144.2	0.0	278.8	
98	64.2	0.0	128.8	

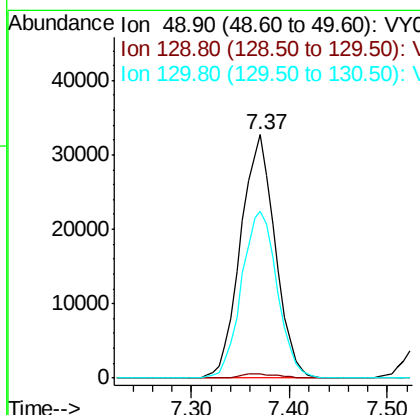
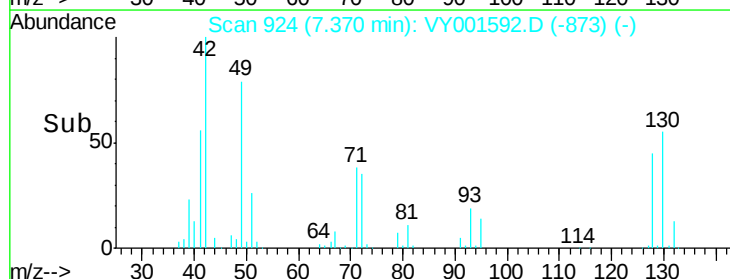
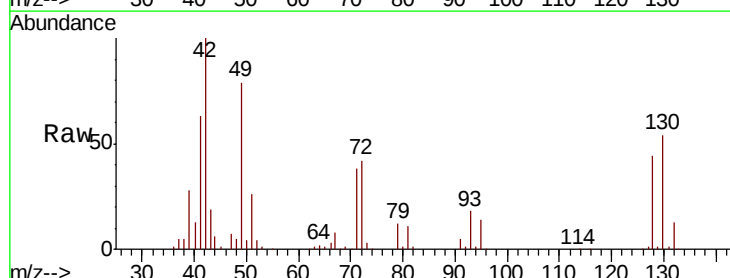
Manual Integrations
 APPROVED

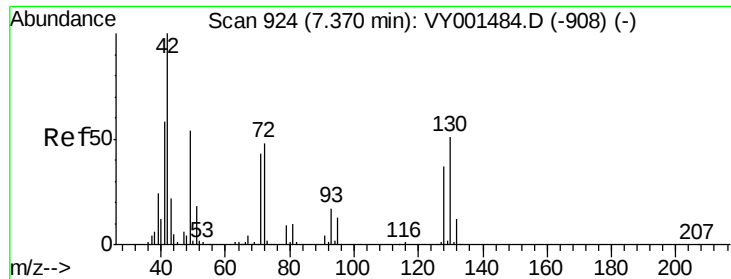
MMDadoda
 2/12/2020 3:12:12 PM



#28
 Bromochloromethane
 Concen: 63.416 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80402		
129	2.0	0.0	4.8	
130	70.6	65.4	98.2	





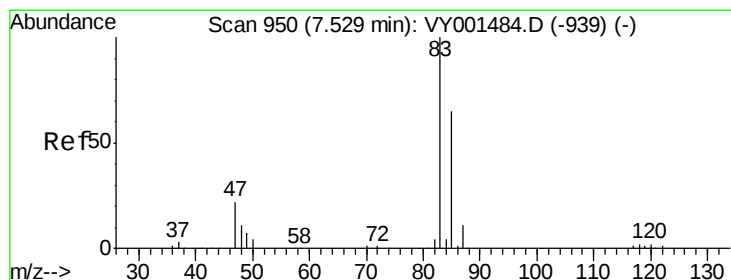
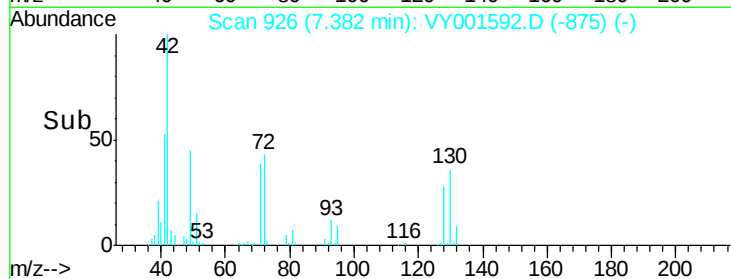
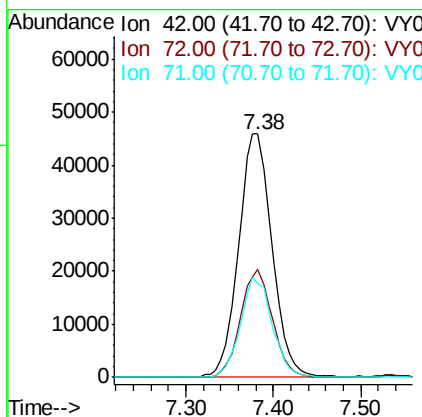
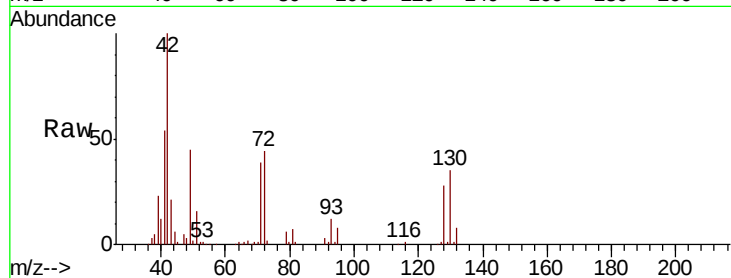
#29
Tetrahydrofuran
Concen: 277.970 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	37.8	56.6
71	39.1	34.8	52.2

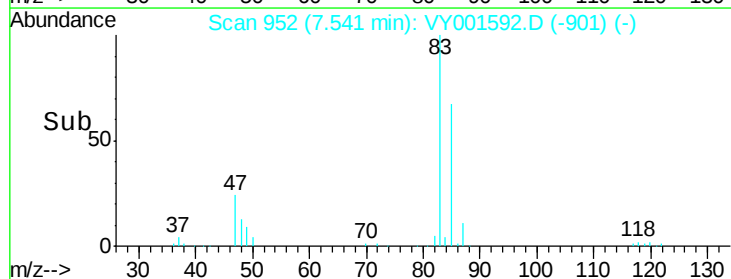
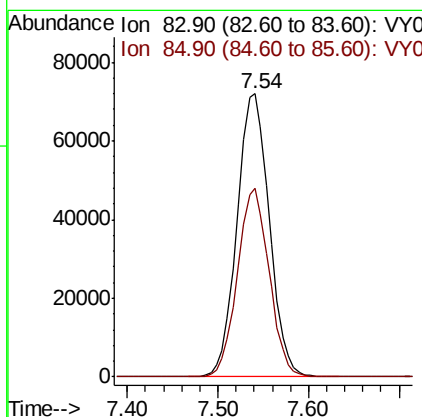
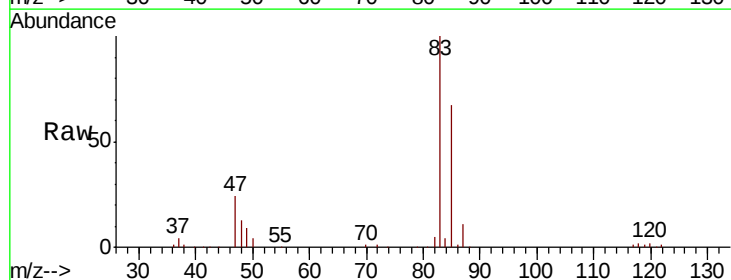
Manual Integrations
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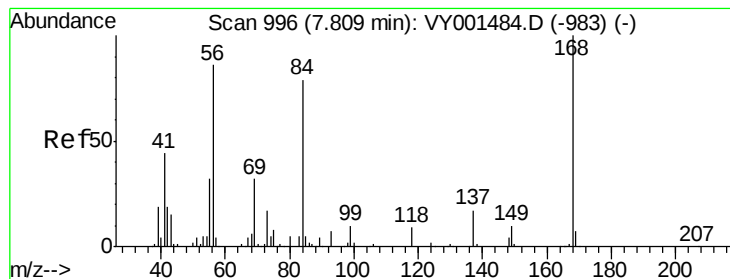
MMDadoda
2/12/2020 3:12:12 PM



#30
Chloroform
Concen: 47.193 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6





#31

Cyclohexane

Concen: 49.067 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

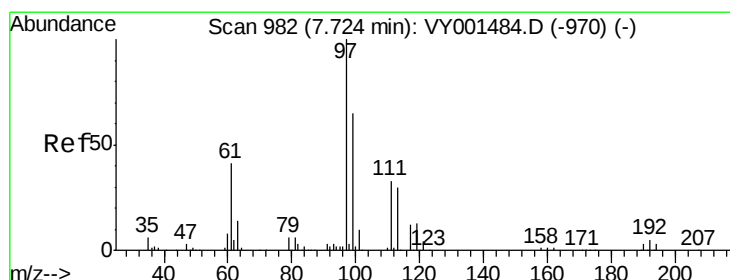
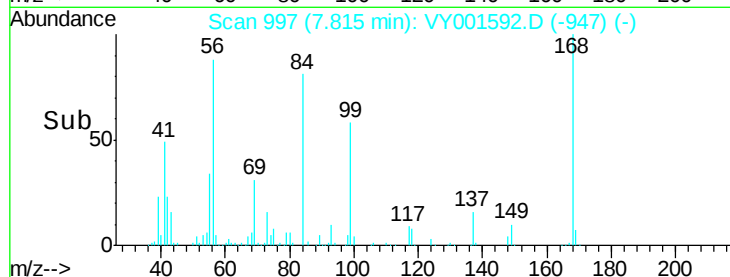
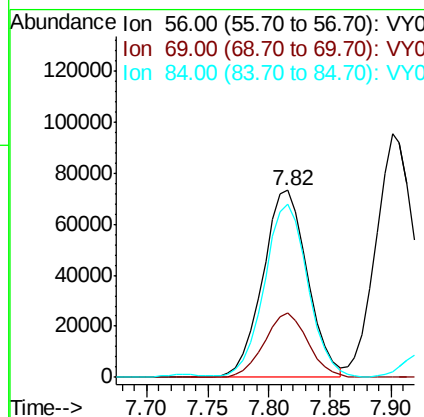
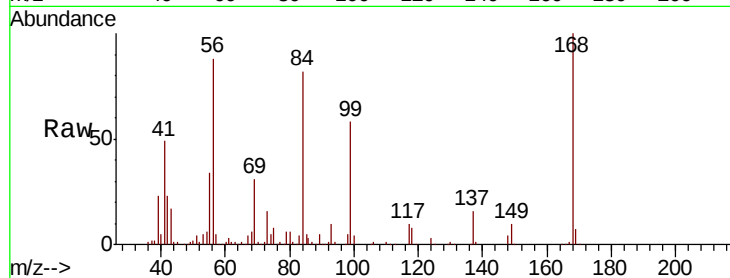
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	186798
Ion Ratio	Lower	Upper	
56	100		
69	34.6	29.6	44.4
84	91.5	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.924 ug/l

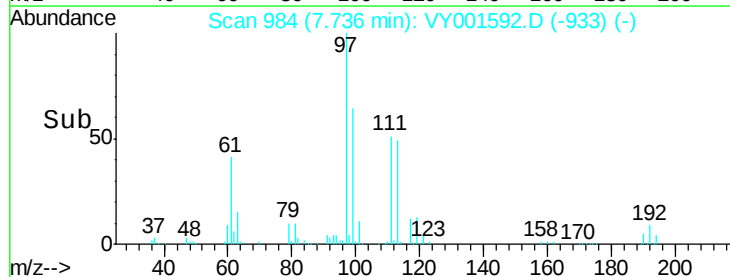
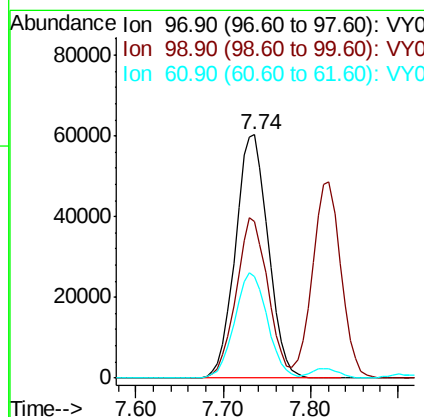
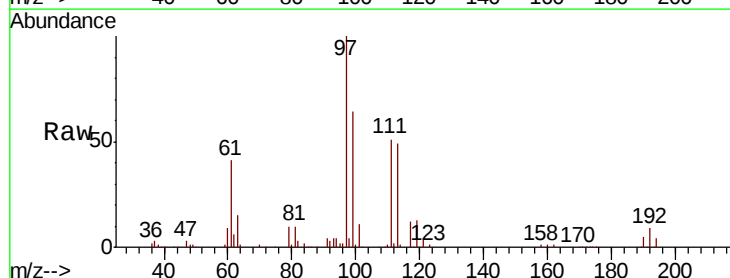
RT: 7.74 min Scan# 984

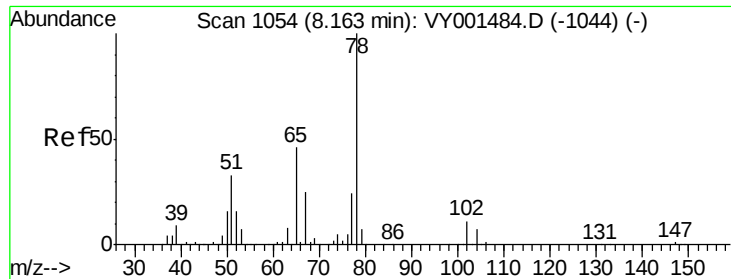
Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion:	97	Resp:	156965
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.8	77.8
61	43.1	32.5	48.7





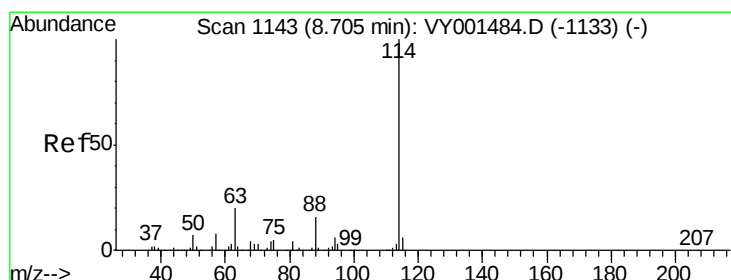
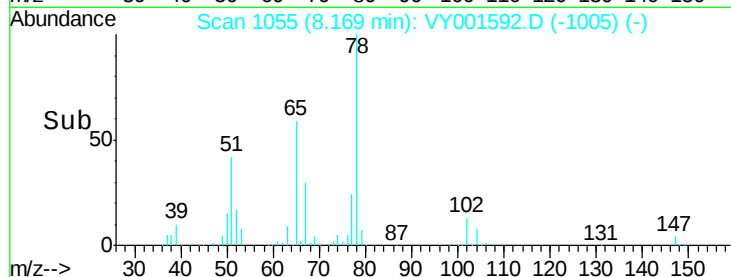
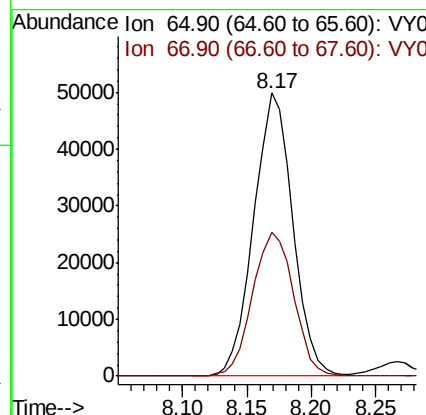
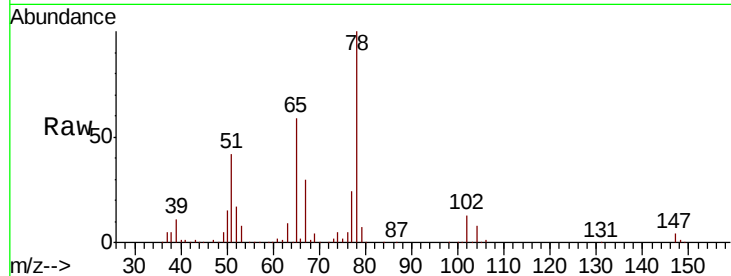
#33
 1,2-Dichloroethane-d4
 Concen: 53.581 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	108.6	

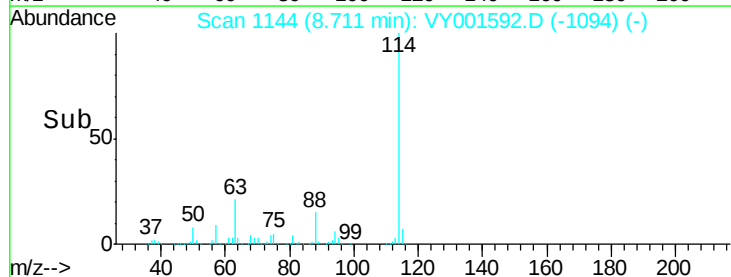
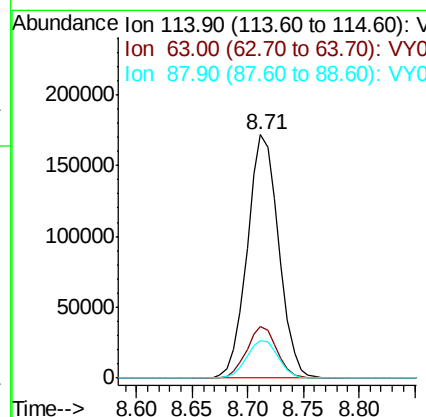
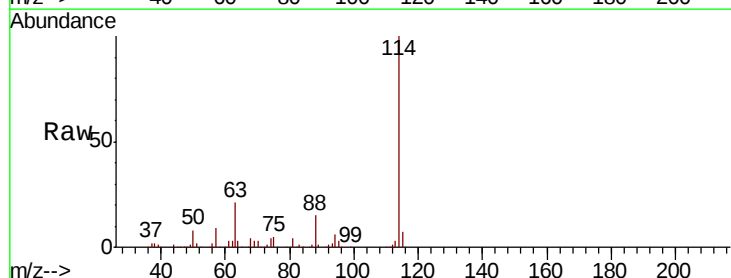
Manual Integrations
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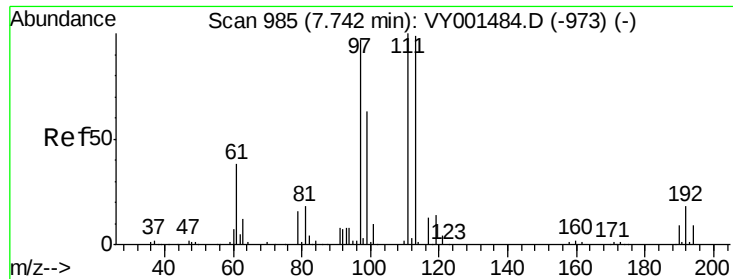
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 2/12/2020 3:12:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	39.8	
88	15.3	0.0	32.6	





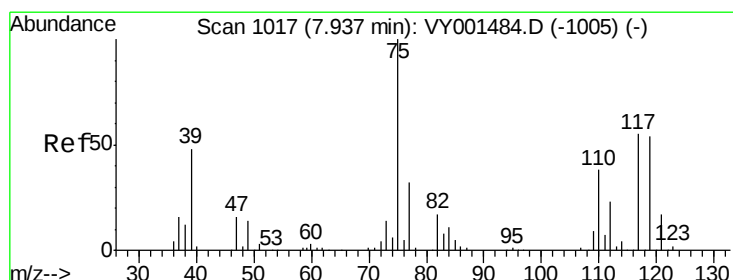
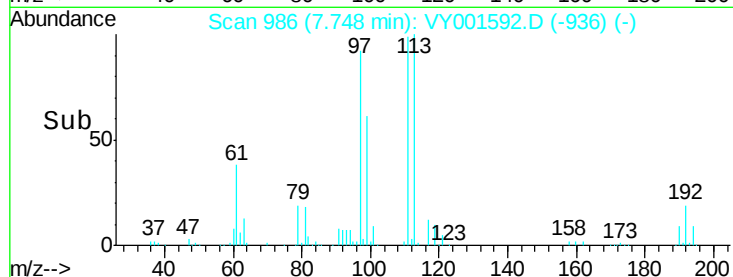
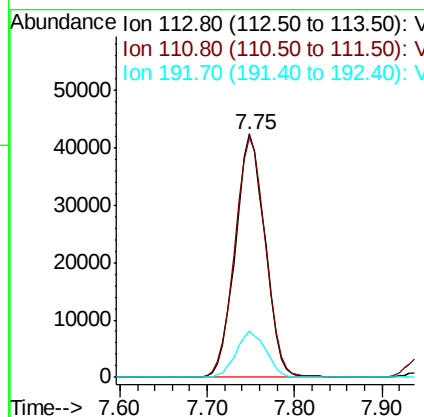
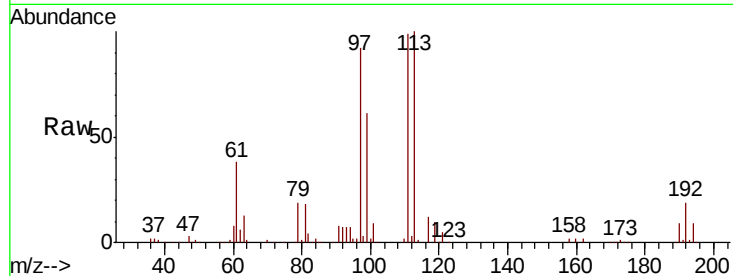
#35
Dibromofluoromethane
Concen: 51.673 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100169		
111	101.6	82.9	124.3	
192	19.1	14.6	22.0	

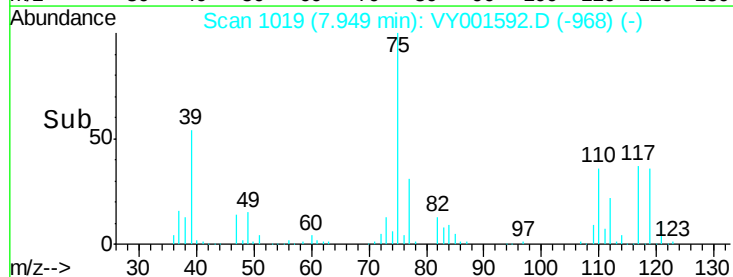
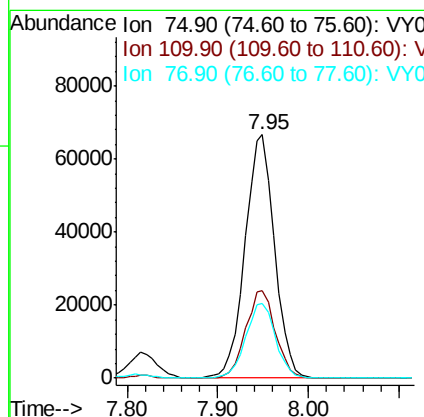
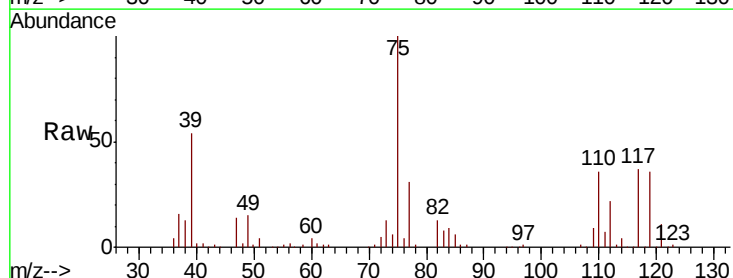
Manual Integrations
APPROVED

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#36
1,1-Dichloropropene
Concen: 48.729 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149858		
110	36.1	18.2	54.6	
77	31.1	25.0	37.4	





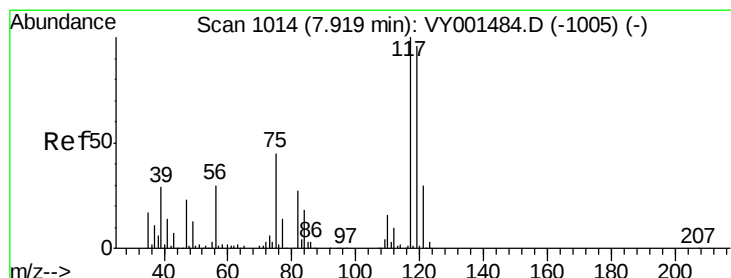
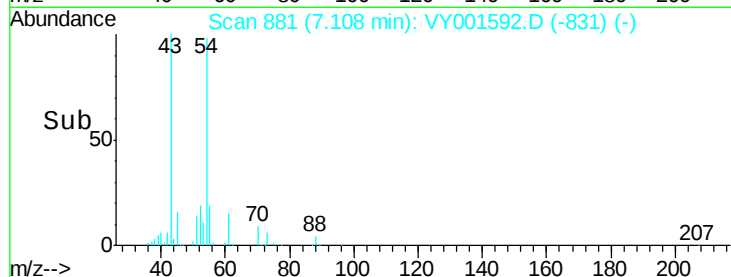
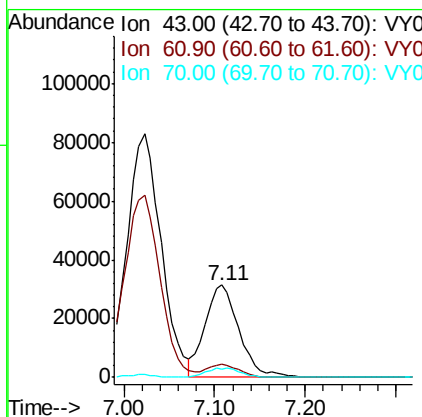
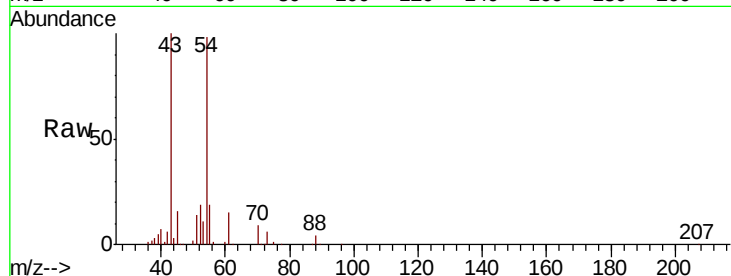
#37
Ethyl Acetate
Concen: 55.418 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	9.9	10.2	15.4

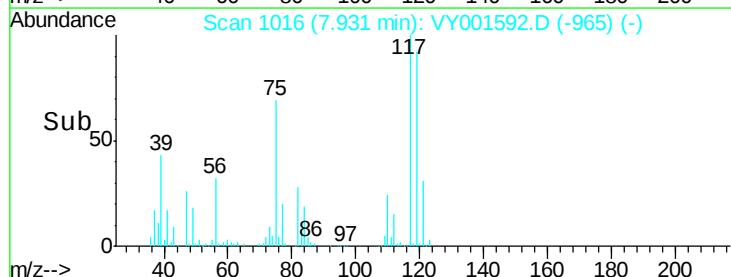
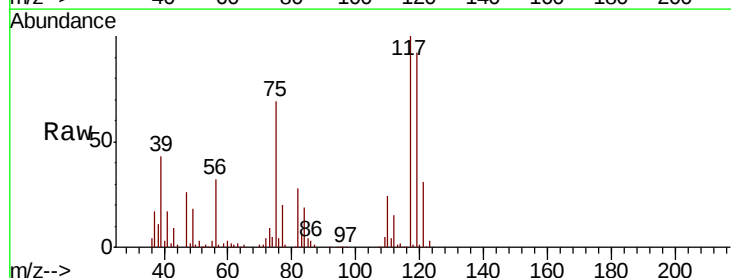
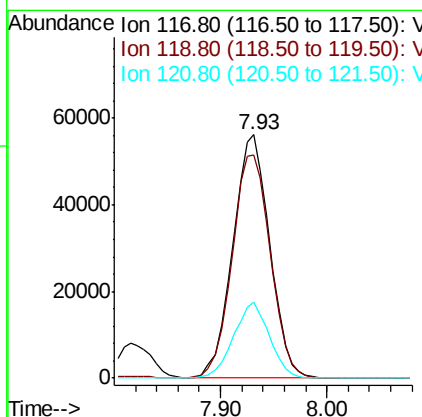
Manual Integrations
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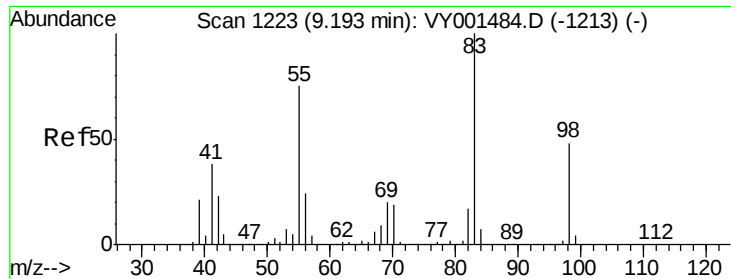
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#38
Carbon Tetrachloride
Concen: 45.809 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.4	114.6
121	31.3	24.2	36.4





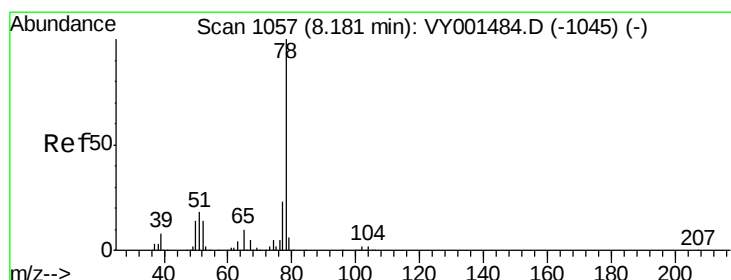
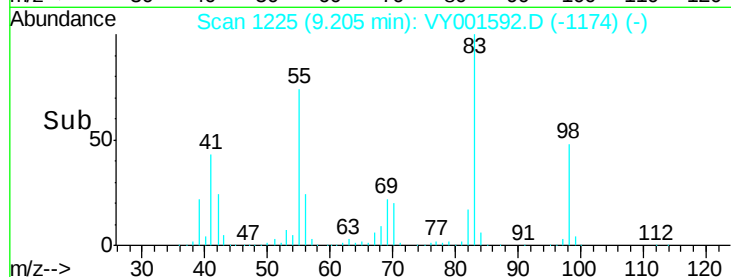
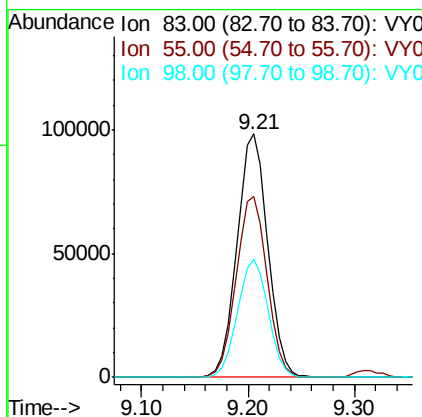
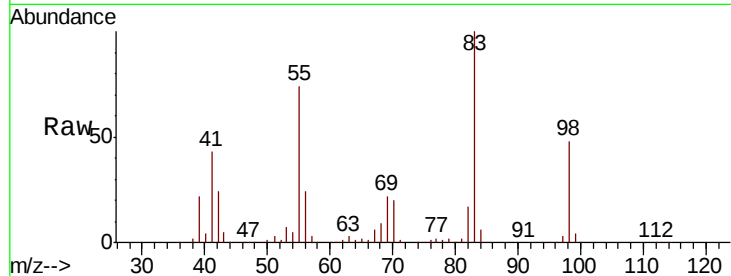
#39
Methvlcvclohexane
Concen: 49.211 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199273		
55	74.5		59.8	89.6
98	48.3		38.6	57.8

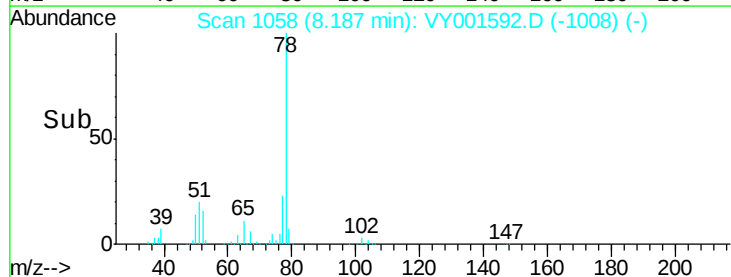
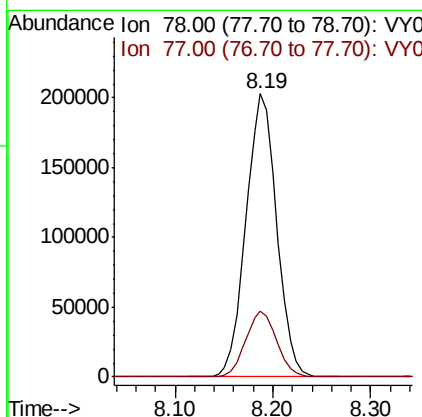
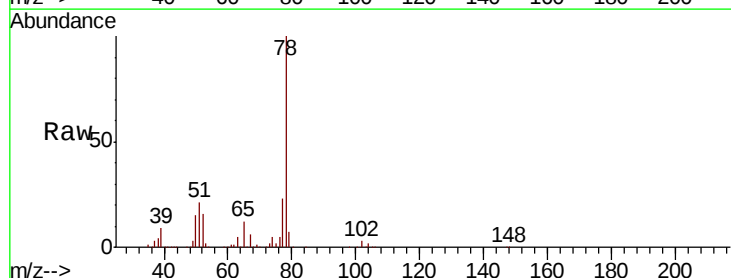
Manual Integrations
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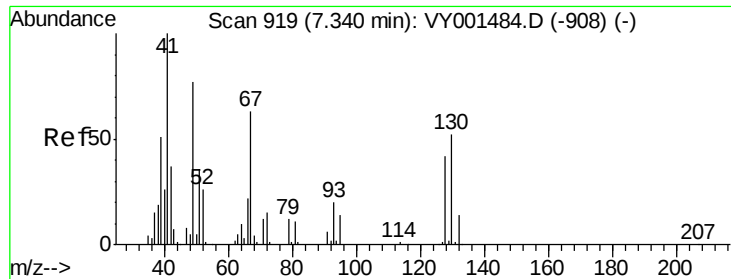
MMDadoda
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#40
Benzene
Concen: 50.287 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	441108		
77	23.1		18.5	27.7





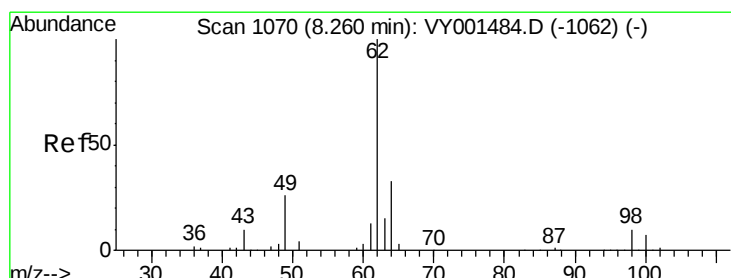
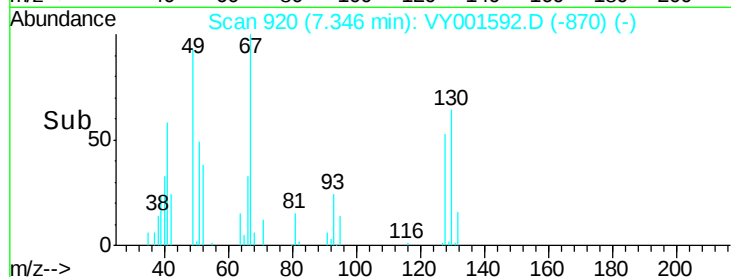
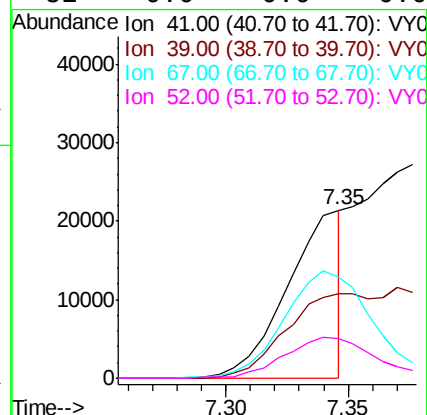
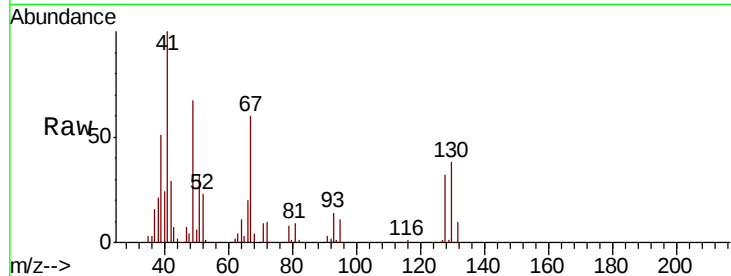
#41
Methacrylonitrile
Concen: 48.948 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	33774
Ion	Ratio	Lower	Upper
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

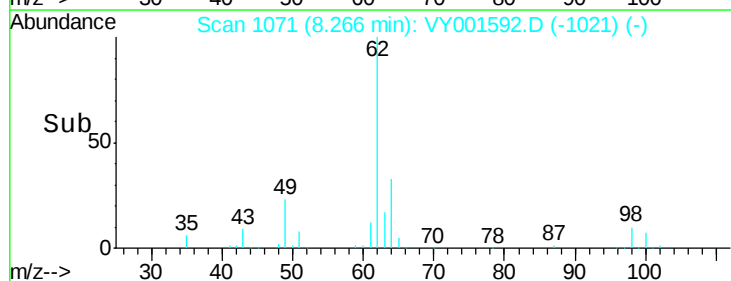
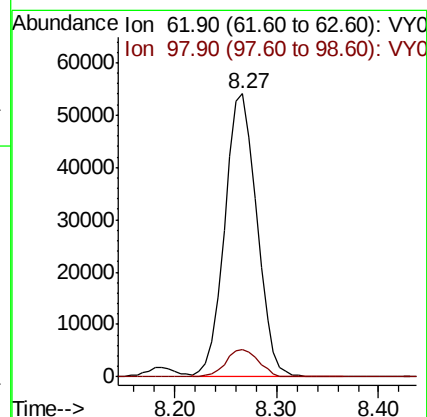
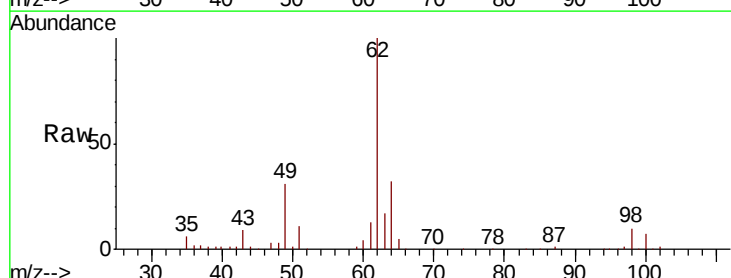
Manual Integrations
APPROVED

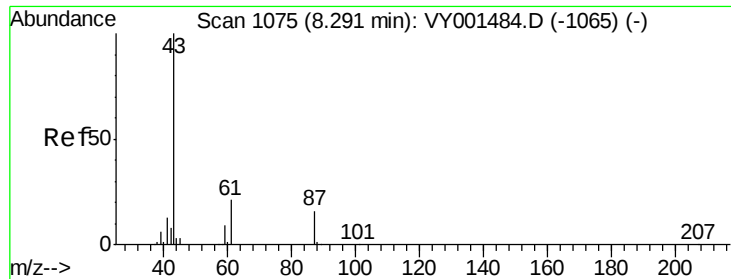
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.295 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion:	62	Resp:	118024
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.0





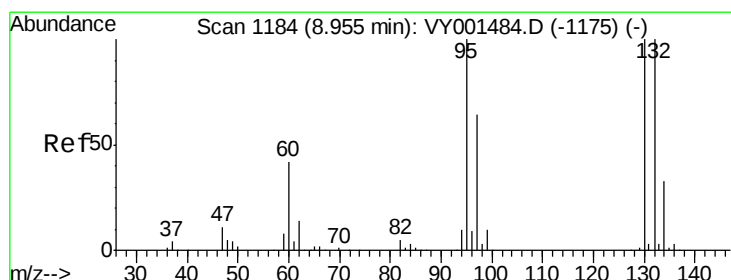
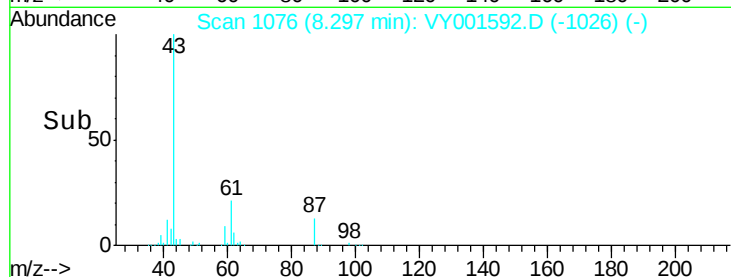
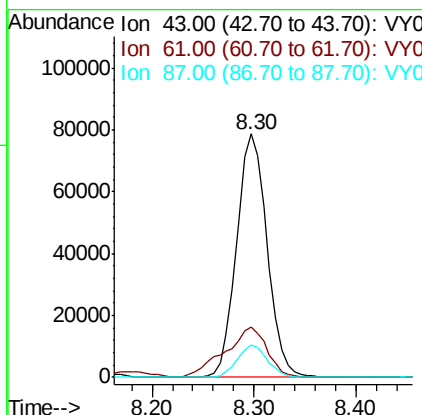
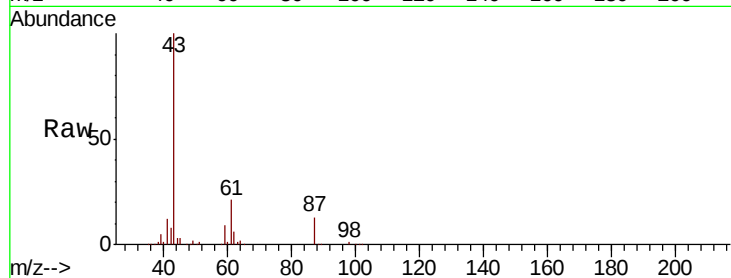
#43
Isopropyl Acetate
Concen: 55.296 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.1	37.7
87	13.2	12.6	19.0

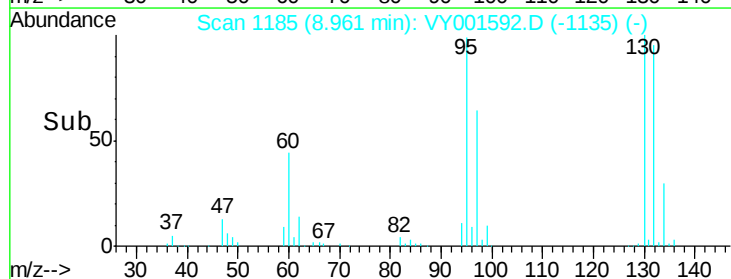
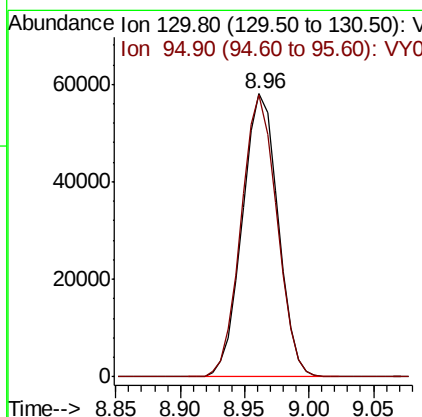
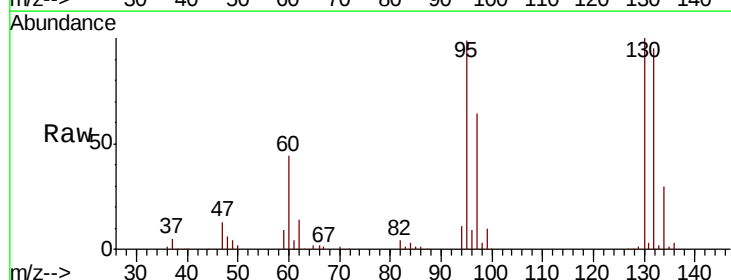
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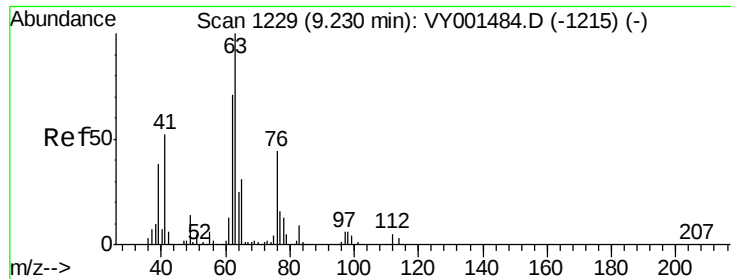
MMDadoda
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#44
Trichloroethene
Concen: 47.137 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	199.2





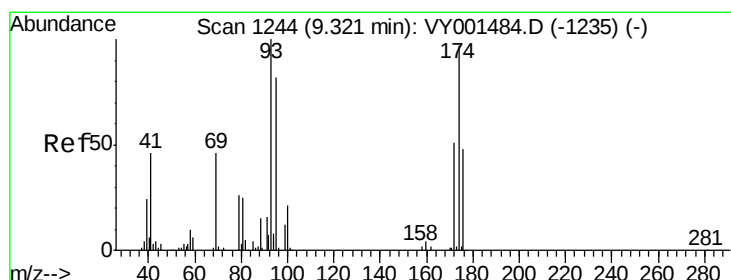
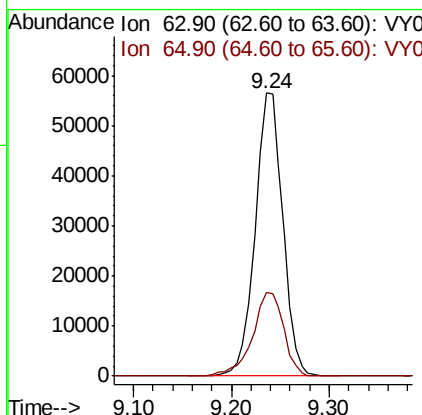
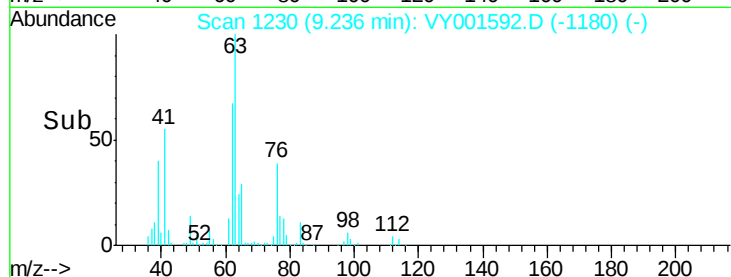
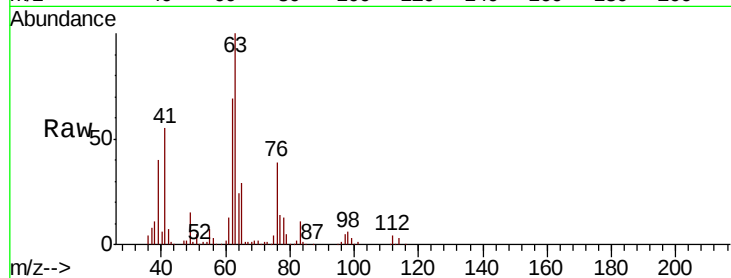
#45
 1,2-Dichloropropane
 Concen: 52.580 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 111373
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.4

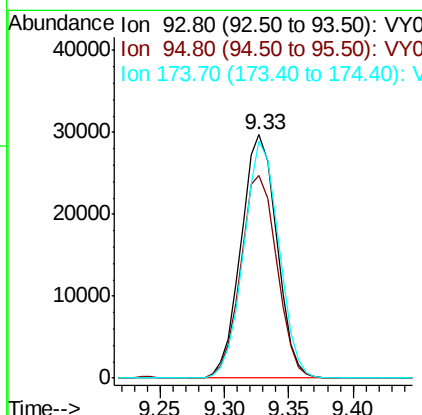
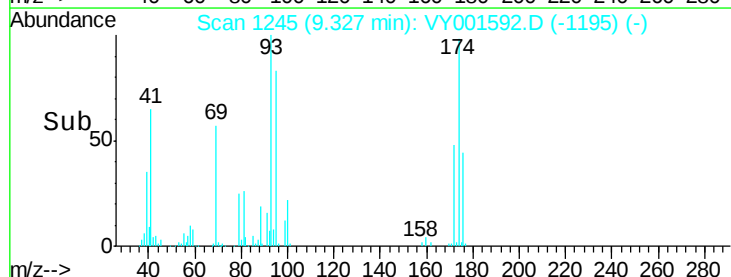
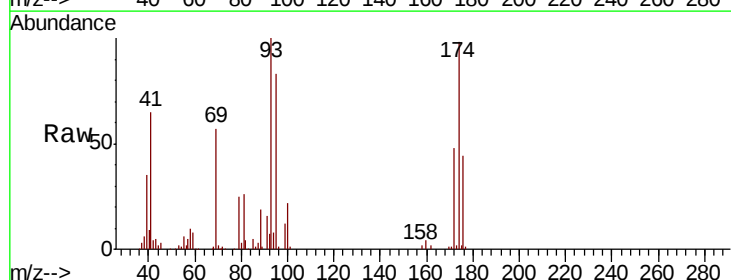
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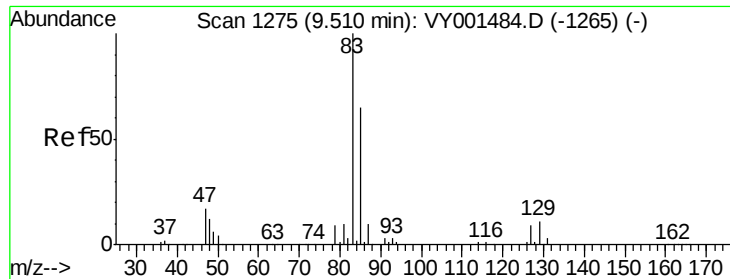
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#46
 Dibromomethane
 Concen: 48.019 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion: 93 Resp: 57114
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 99.8
 174 95.4 75.4 113.2





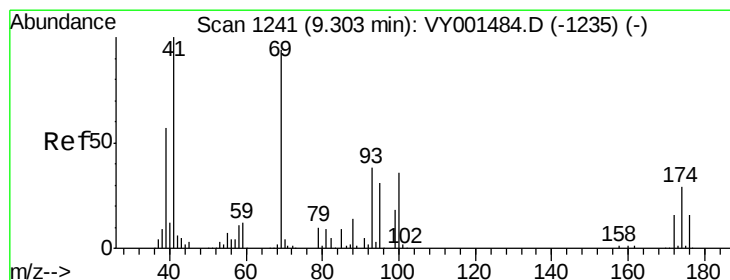
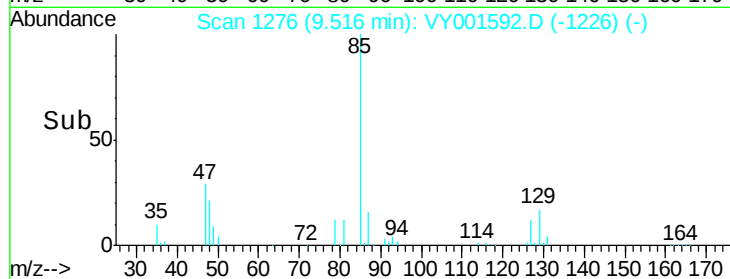
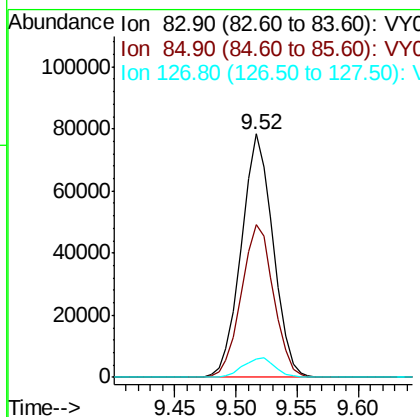
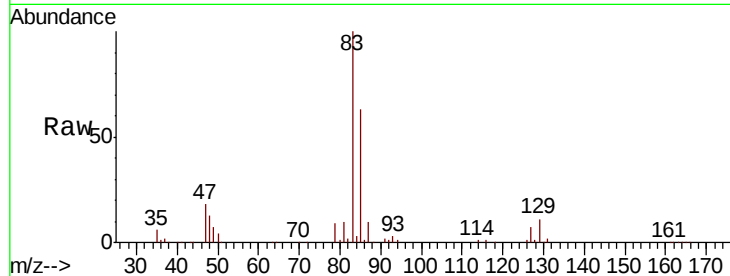
#47
 Bromodichloromethane
 Concen: 48.696 ug/l
 RT: 9.52 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5	51.9	77.9	
127	7.3	6.9	10.3	

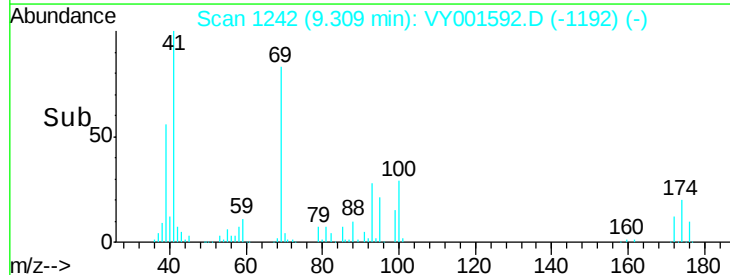
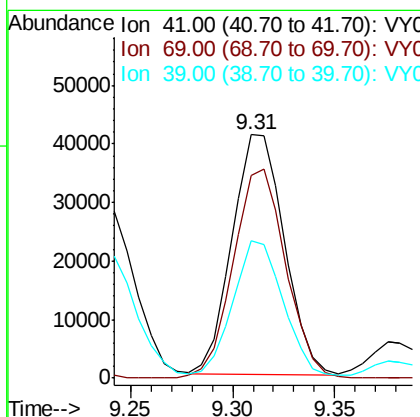
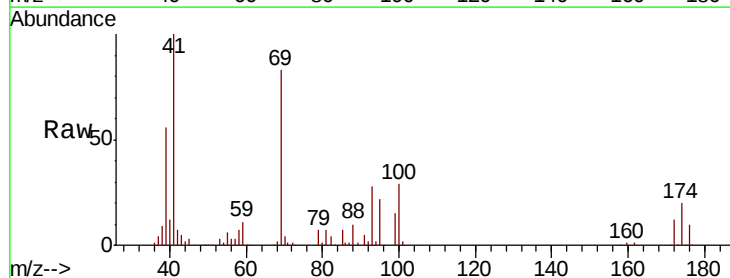
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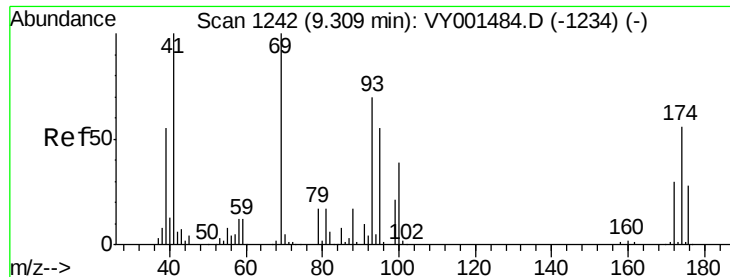
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#48
 Methyl methacrylate
 Concen: 54.658 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.5	76.6	114.8	
39	53.6	45.4	68.0	





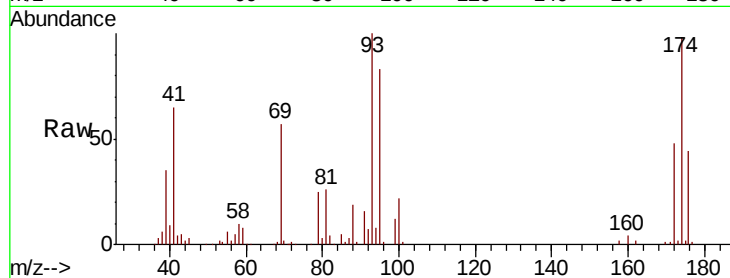
#49
1,4-Dioxane
Concen: 938.182 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.02 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

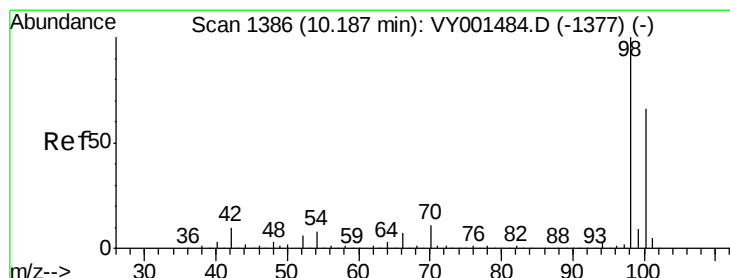
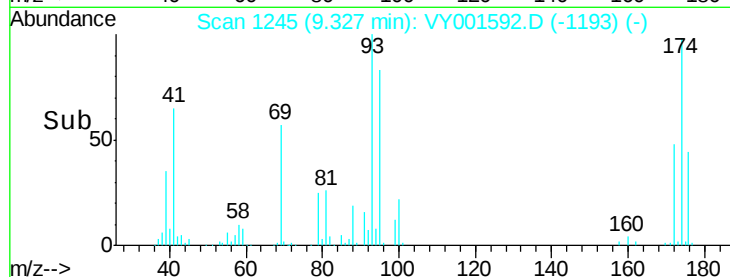
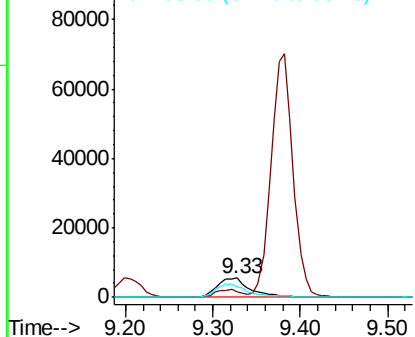
Tot Ion	88	Resp	14737
Ion Ratio	100	Lower	Upper
88	100		
43	32.2	24.8	37.2
58	69.9	59.3	88.9

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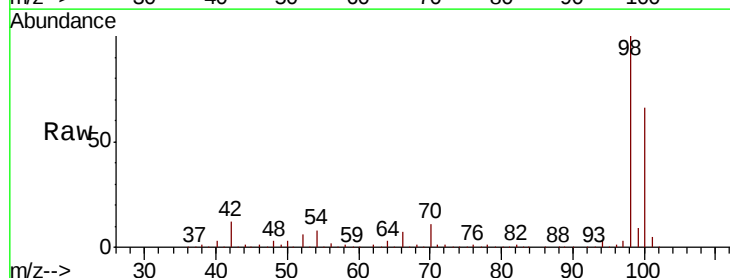


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

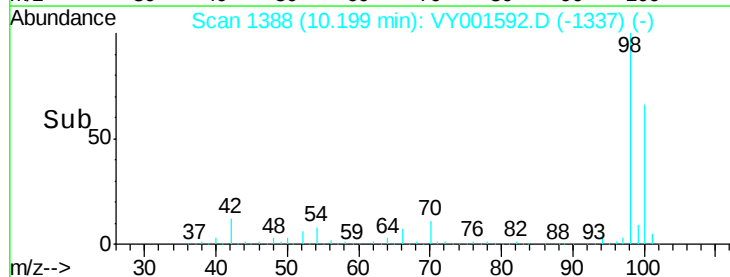
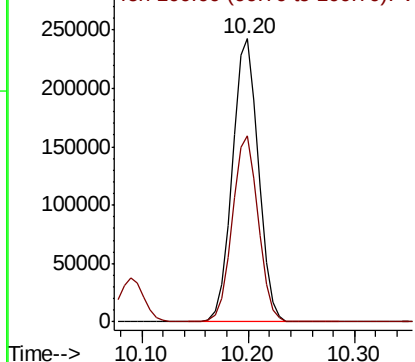


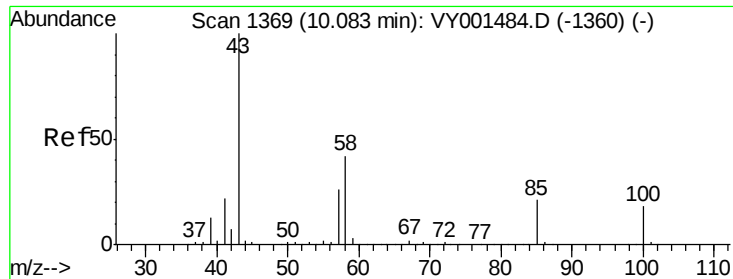
#50
Toluene-d8
Concen: 56.702 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	98	Resp	415870
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	53.0	79.6



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





#51

4-Methyl-2-Pentanone

Concen: 287.103 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 416771

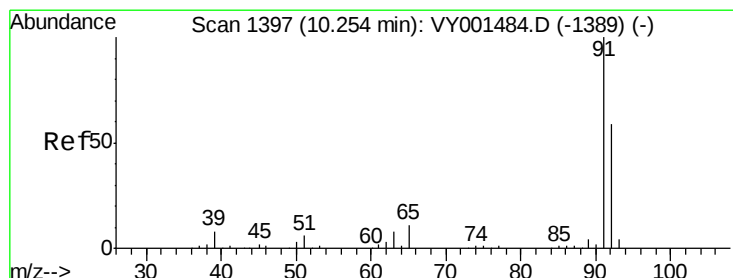
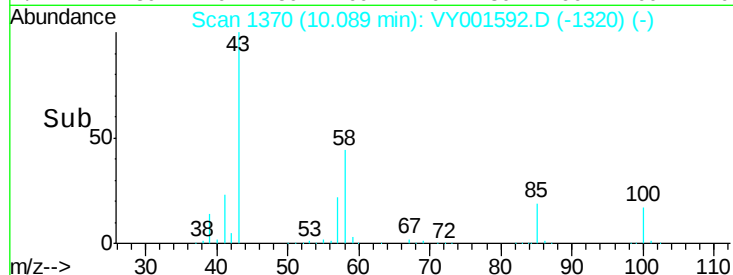
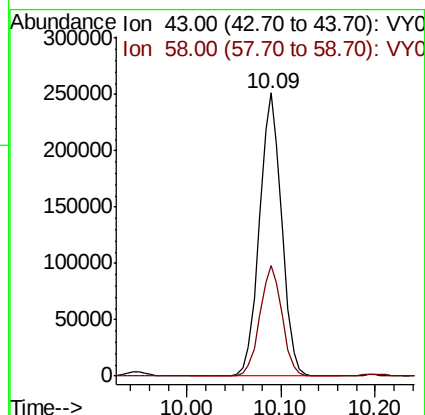
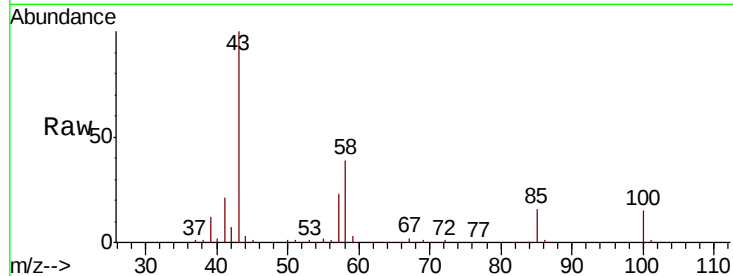
Ion Ratio Lower Upper

43 100

58 39.0 33.9 50.9

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#52

Toluene

Concen: 49.692 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001592.D

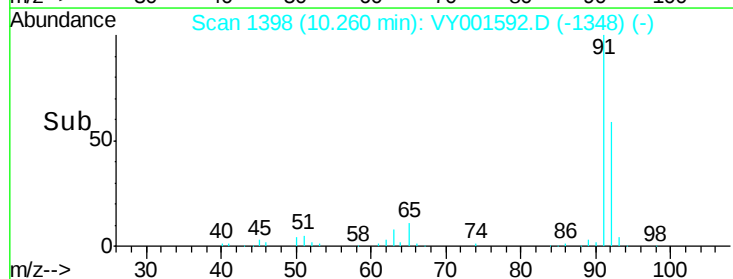
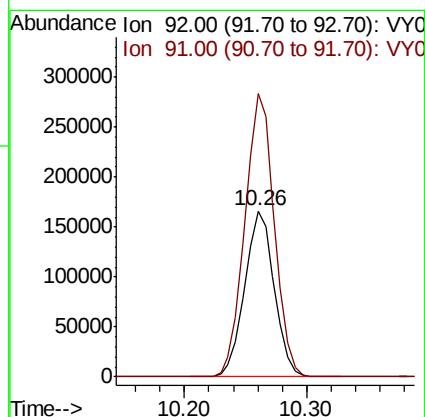
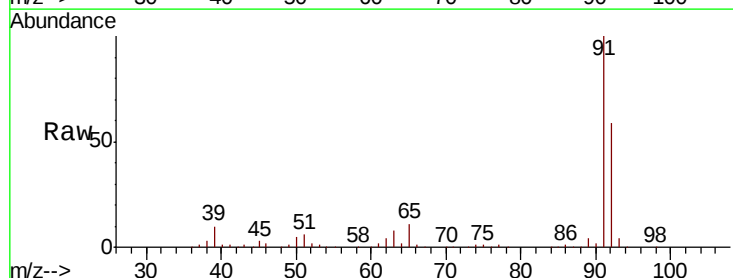
Acq: 11 Feb 2020 10:26

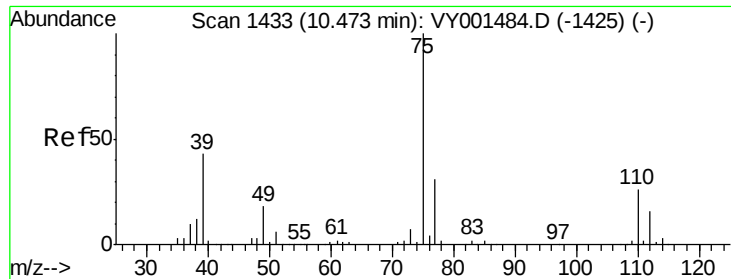
Tgt Ion: 92 Resp: 276577

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8





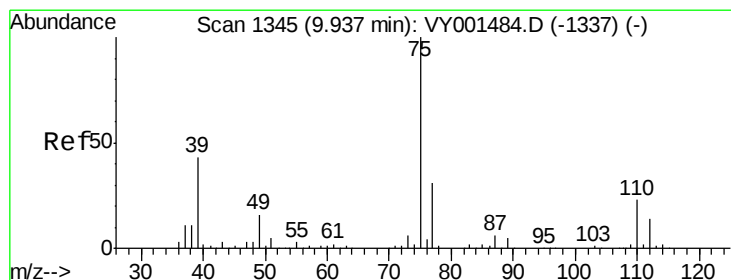
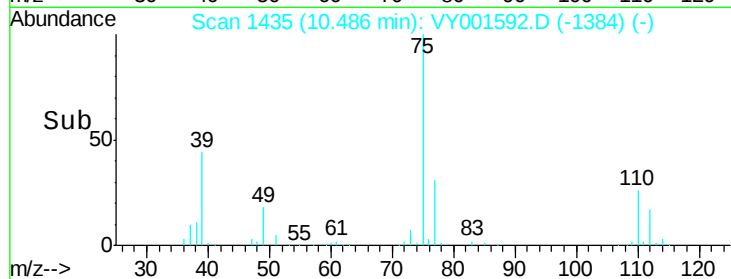
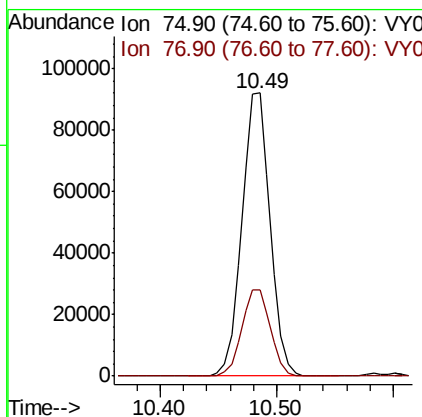
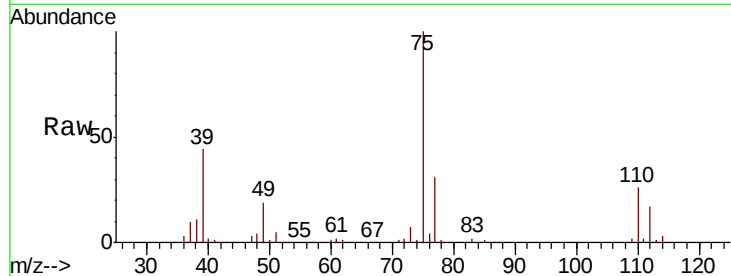
#53
t-1,3-Dichloropropene
Concen: 49.098 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3

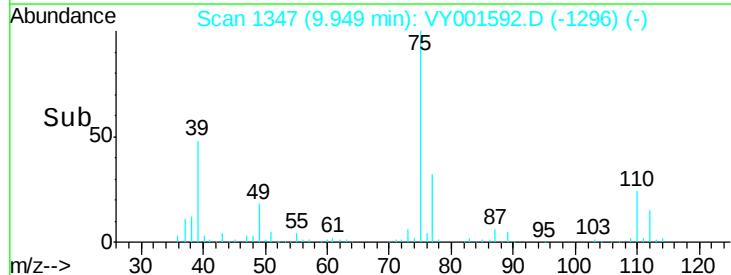
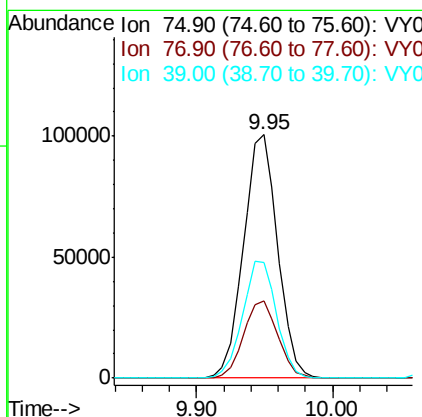
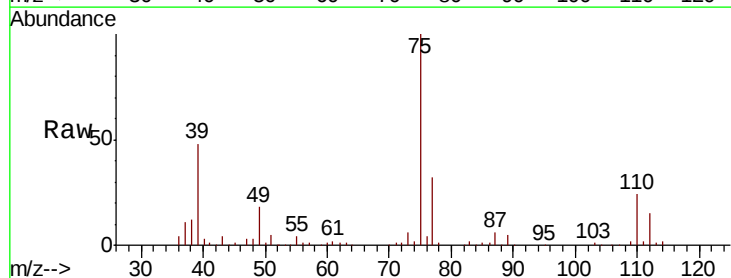
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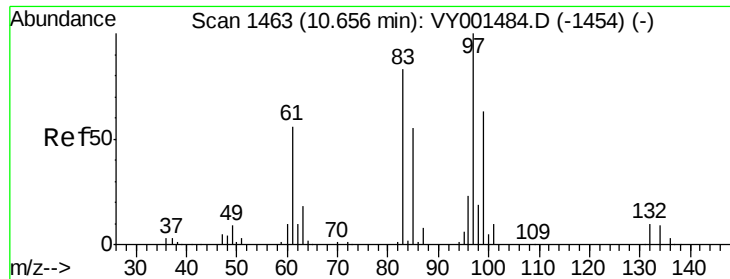
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#54
cis-1,3-Dichloropropene
Concen: 48.646 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.7	37.1
39	47.7	34.0	51.0





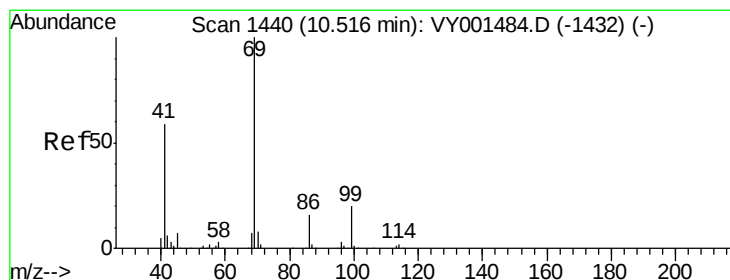
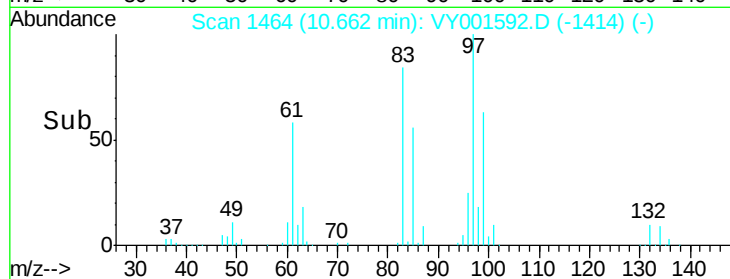
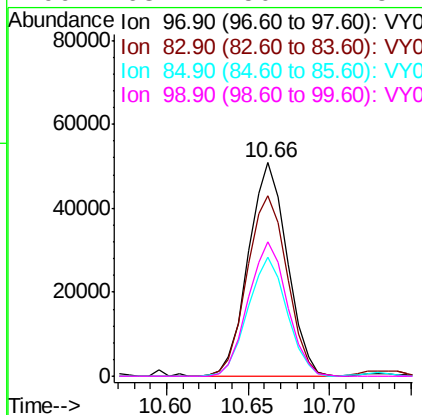
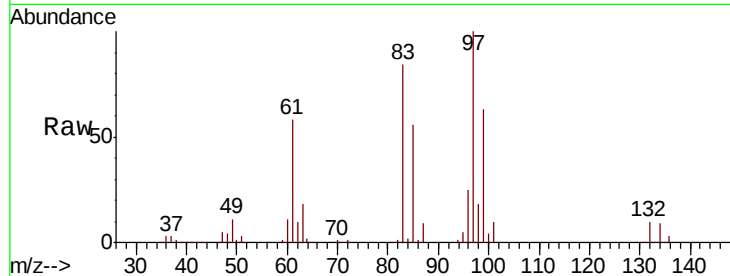
#55
 1,1,2-Trichloroethane
 Concen: 49.429 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	84351
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.2	99.2
85	55.6	43.8	65.6
99	63.2	50.1	75.1

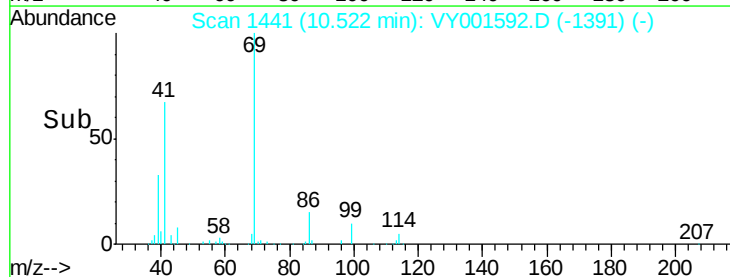
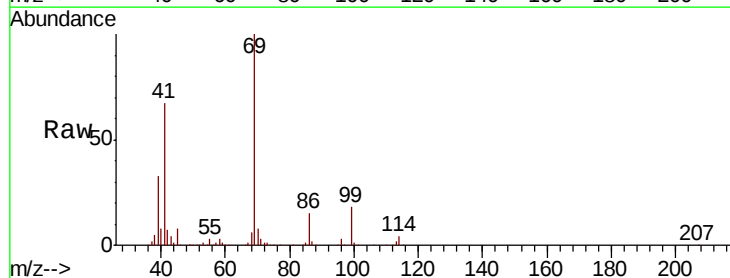
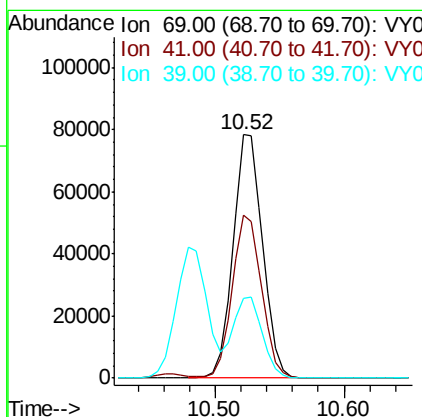
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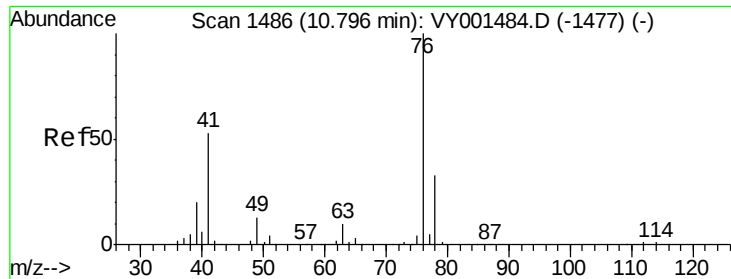
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#56
 Ethyl methacrylate
 Concen: 51.275 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion:	69	Resp:	124456
Ion	Ratio	Lower	Upper
69	100		
41	66.4	47.8	71.8
39	33.7	24.4	36.6





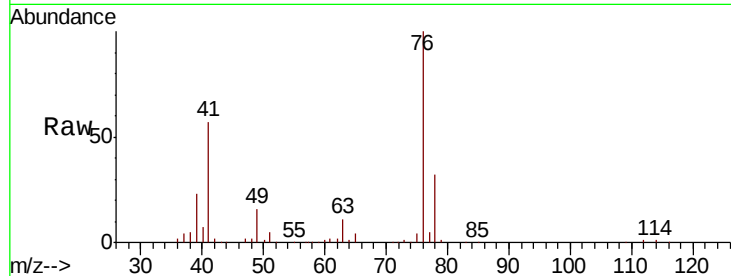
#57
 1,3-Dichloropropane
 Concen: 49.121 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

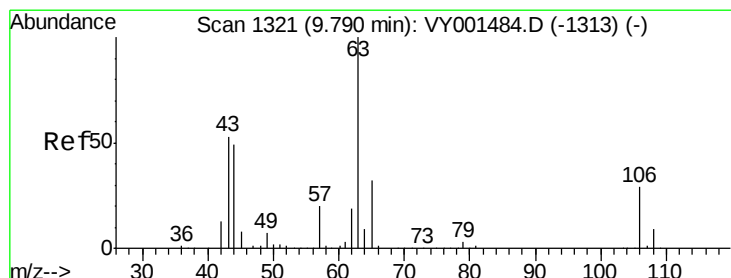
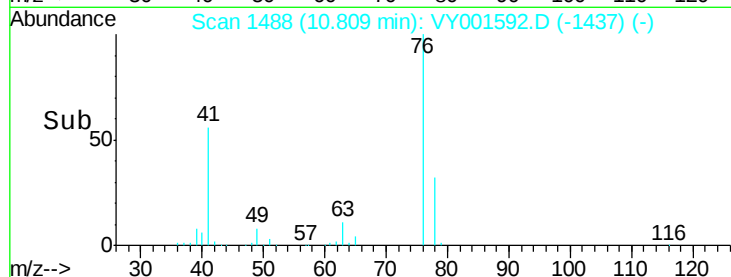
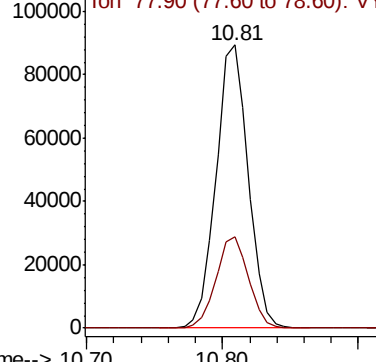
Tot Ion: 76 Resp: 147767
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

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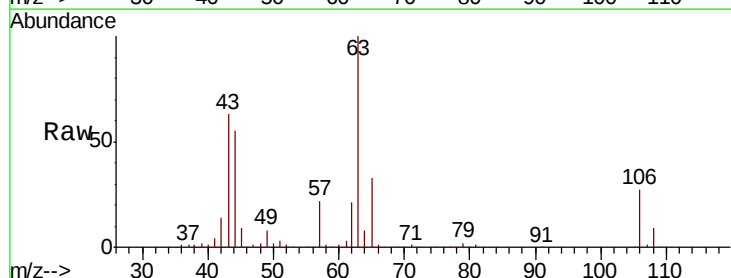


Abundance Ion 75.90 (75.60 to 76.60): VY0
 Ion 77.90 (77.60 to 78.60): VY0

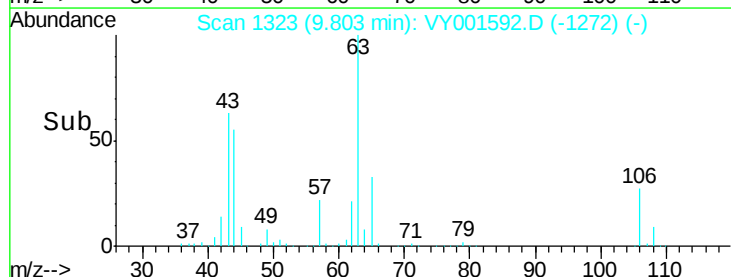
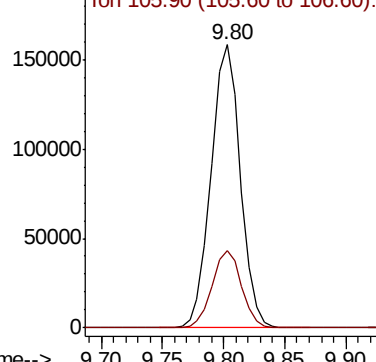


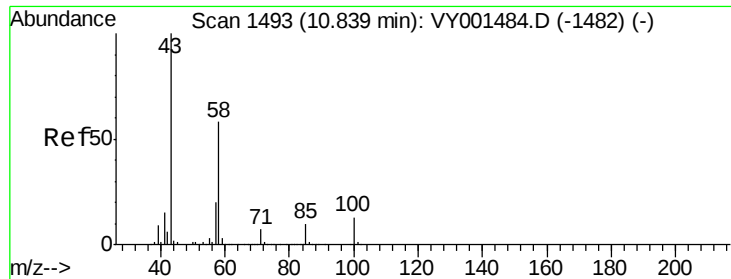
#58
 2-Chloroethyl Vinyl ether
 Concen: 293.937 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion: 63 Resp: 262462
 Ion Ratio Lower Upper
 63 100
 106 27.6 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
 Ion 105.90 (105.60 to 106.60): V





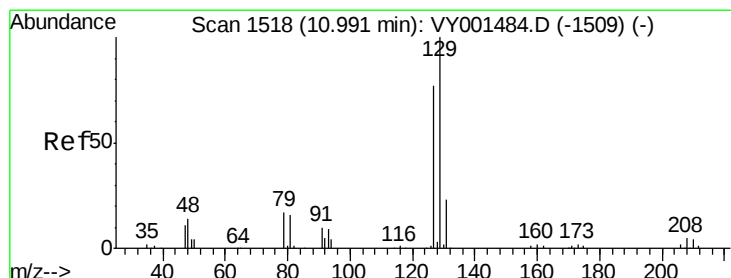
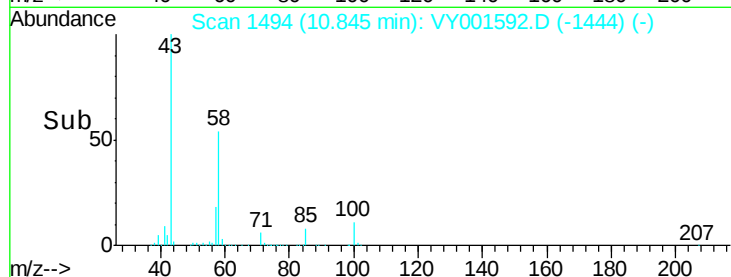
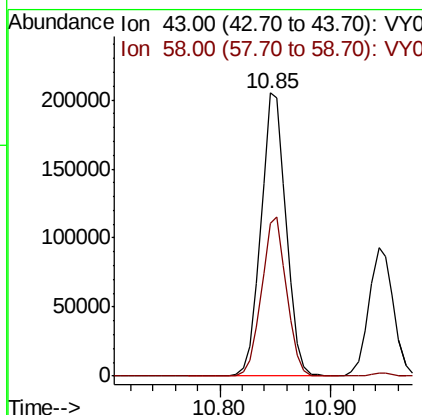
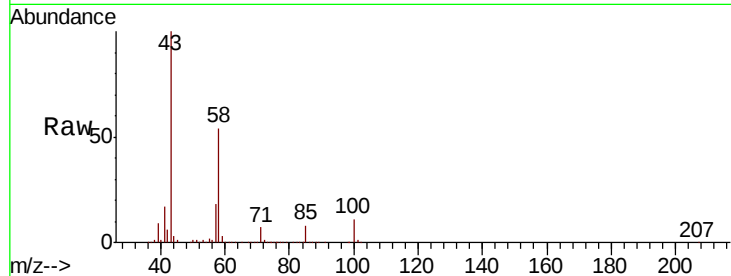
#59
2-Hexanone
Concen: 306.438 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 323436
Ion Ratio Lower Upper
43 100
58 55.8 29.0 87.0

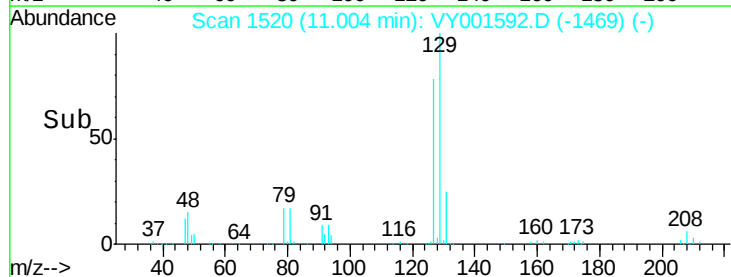
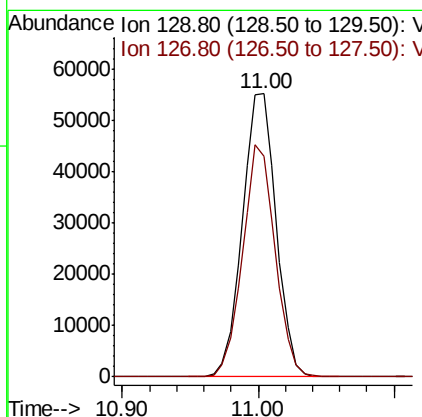
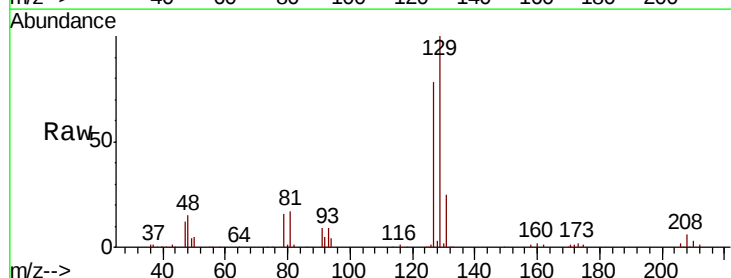
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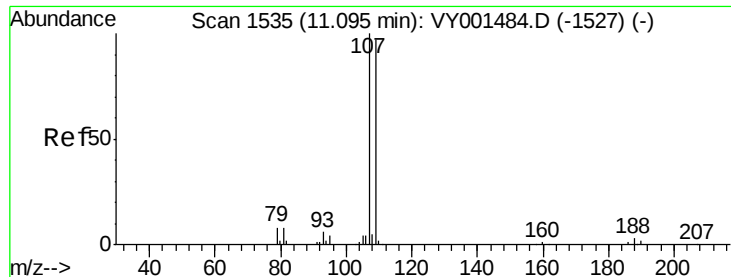
MMDadoda
2/12/2020 3:12:12 PM



#60
Dibromochloromethane
Concen: 47.676 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion: 129 Resp: 95904
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 47.814 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 80367

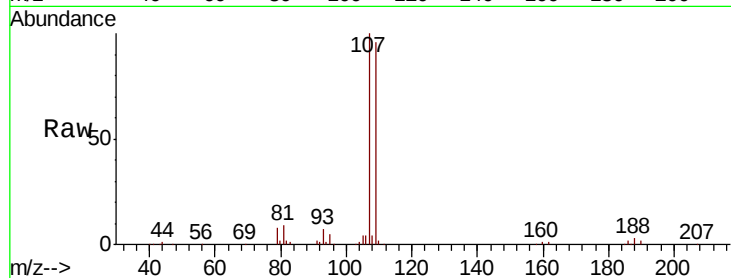
Ion Ratio Lower Upper

107 100

109 94.8 76.2 114.2

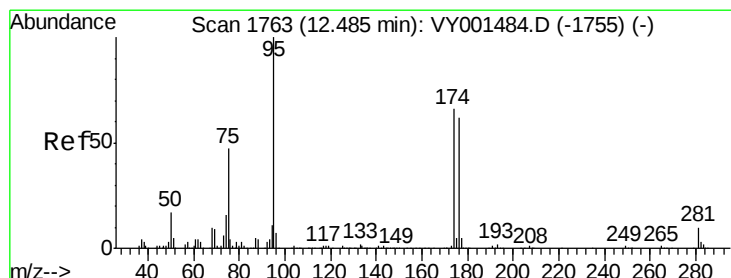
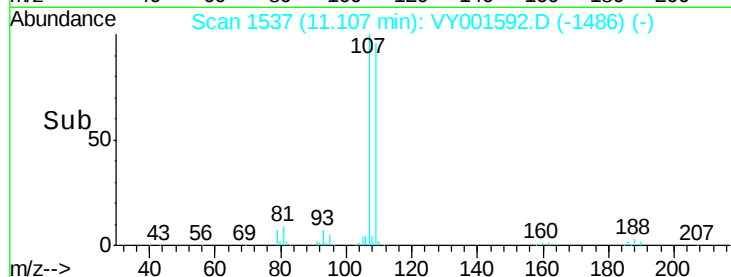
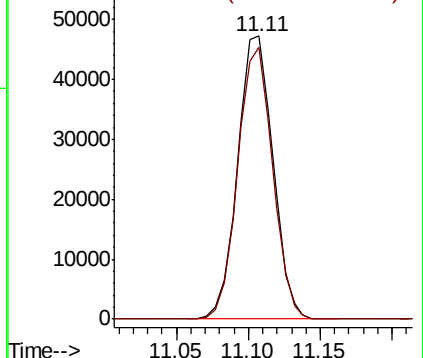
Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:12 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.321 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

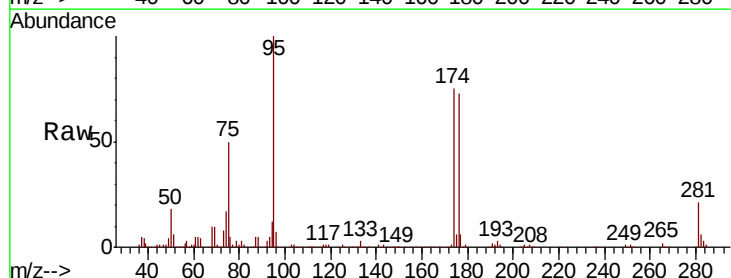
Tgt Ion: 95 Resp: 151171

Ion Ratio Lower Upper

95 100

174 75.0 0.0 141.4

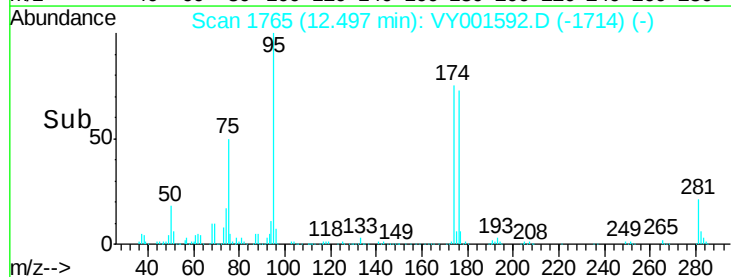
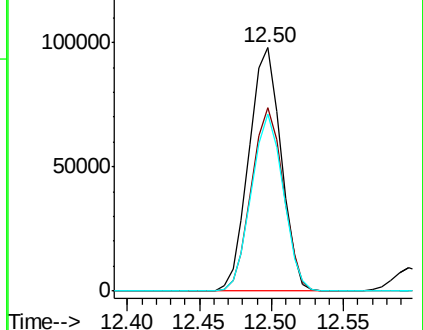
176 72.0 0.0 135.4

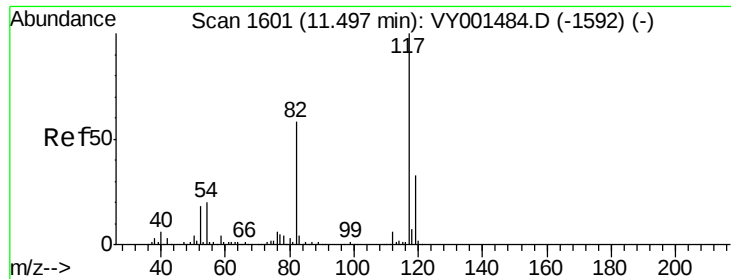


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





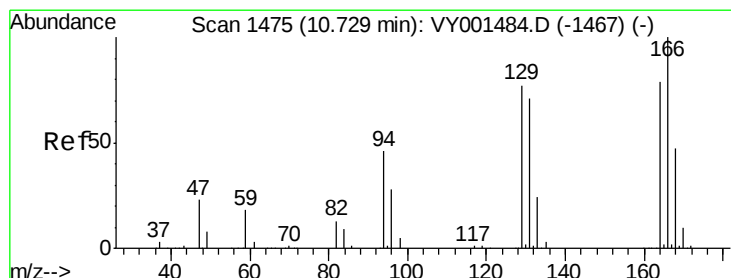
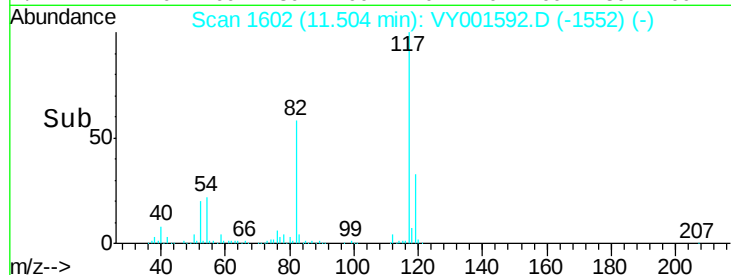
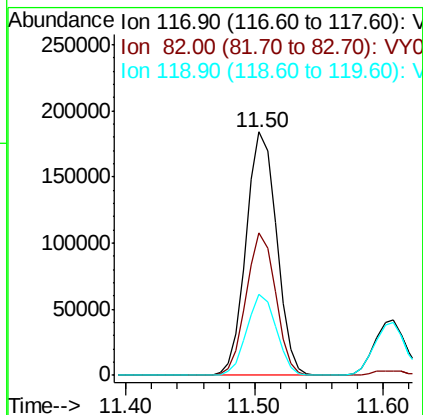
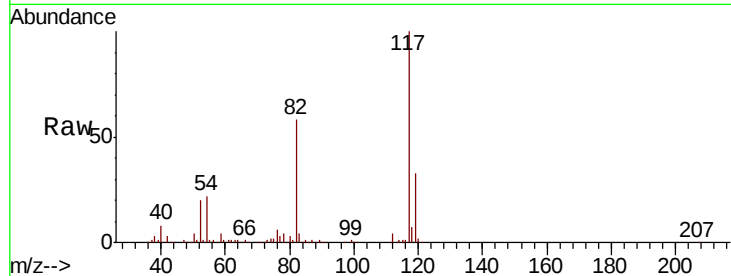
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300359		
82	58.4		46.1	69.1
119	33.0		26.1	39.1

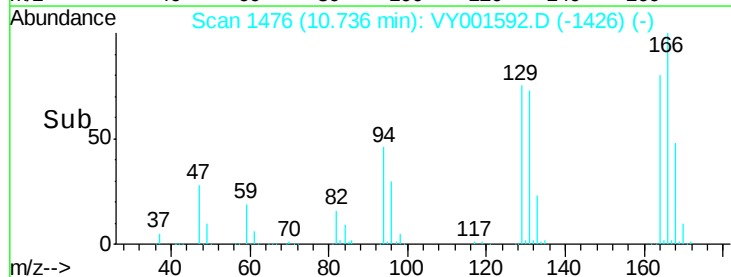
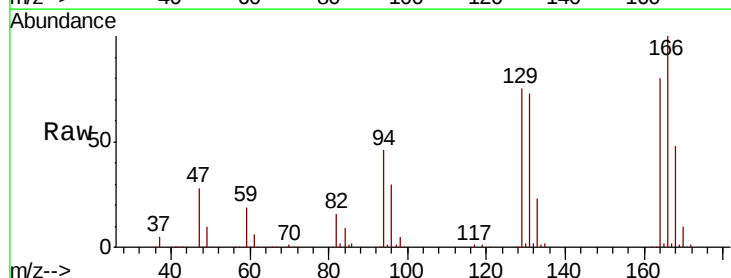
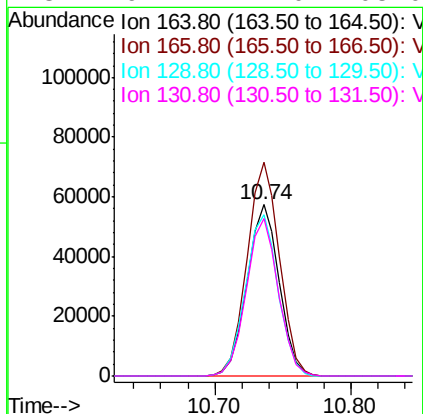
Manual Integrations
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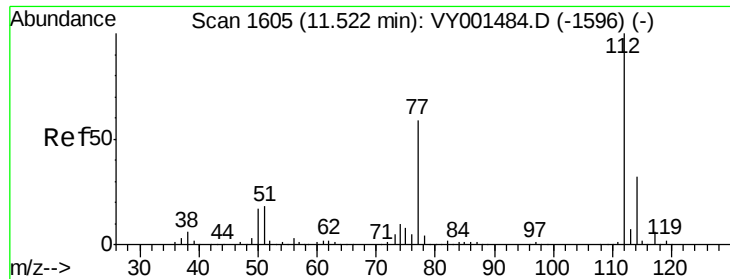
MMDadoda
2/12/2020 3:12:12 PM



#64
Tetrachloroethene
Concen: 48.218 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94979		
166	124.8		100.8	151.2
129	93.9		77.8	116.6
131	91.7		72.0	108.0





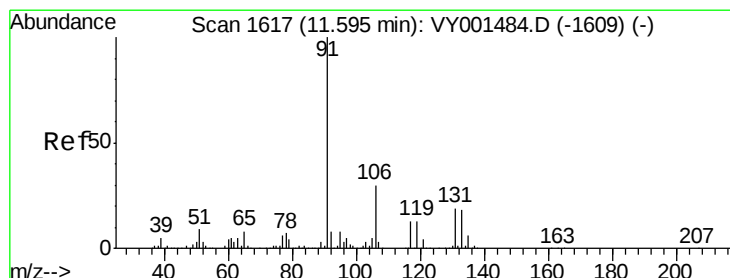
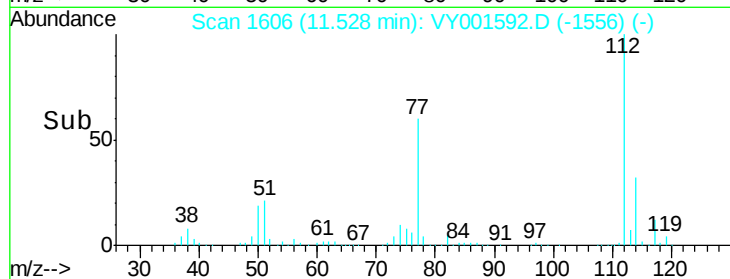
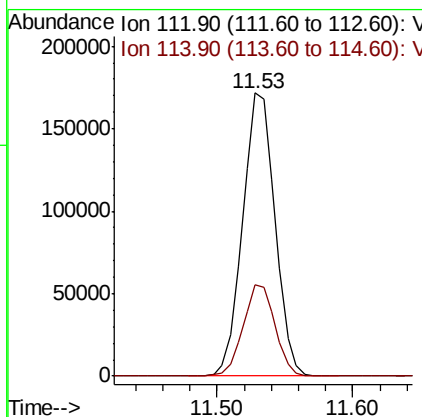
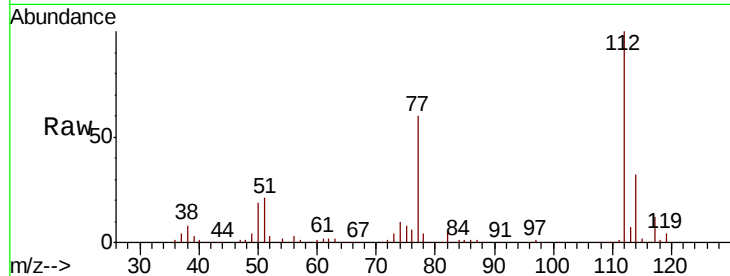
#65
Chlorobenzene
Concen: 48.366 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 285239
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

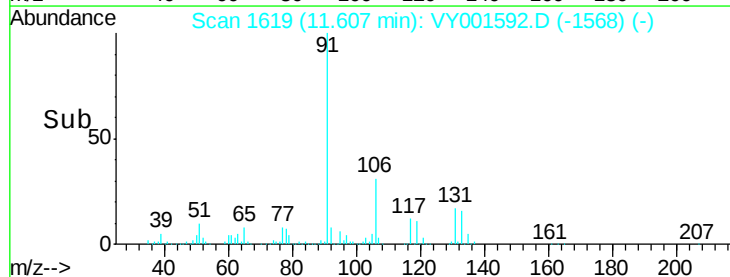
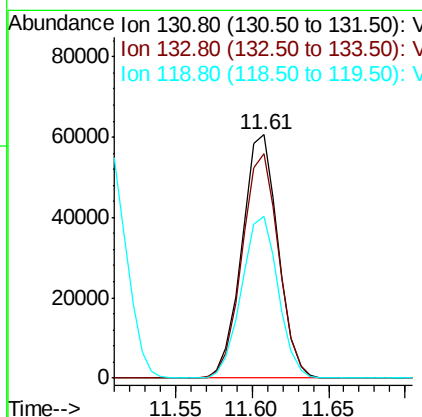
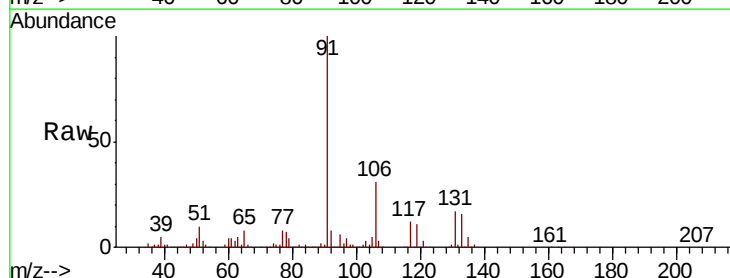
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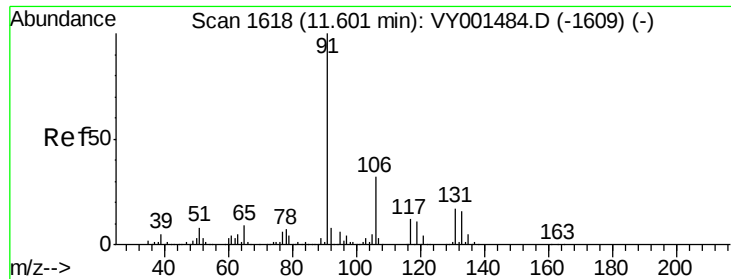
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.123 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion:131 Resp: 99329
Ion Ratio Lower Upper
131 100
133 93.2 47.9 143.8
119 67.4 33.7 101.0





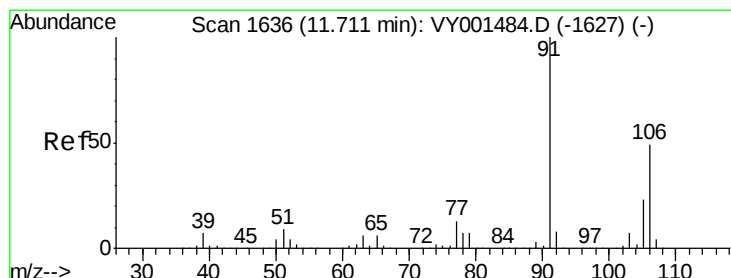
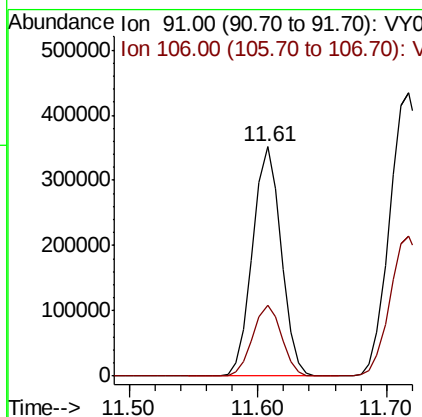
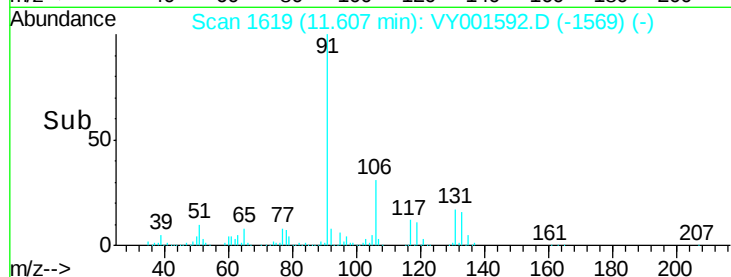
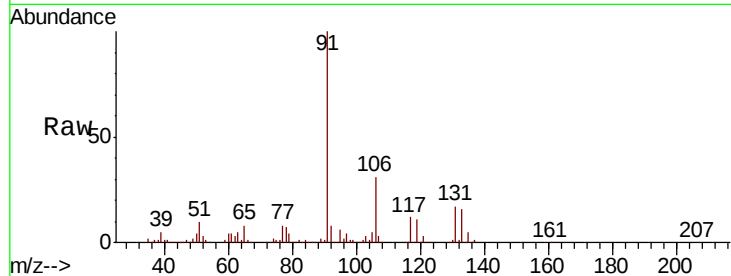
#67
Ethyl Benzene
Concen: 49.145 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 535895
Ion Ratio Lower Upper
91 100
106 30.6 25.3 37.9

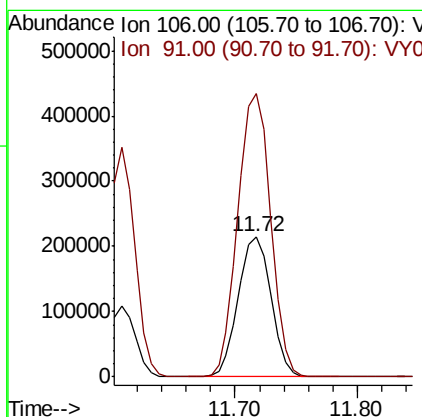
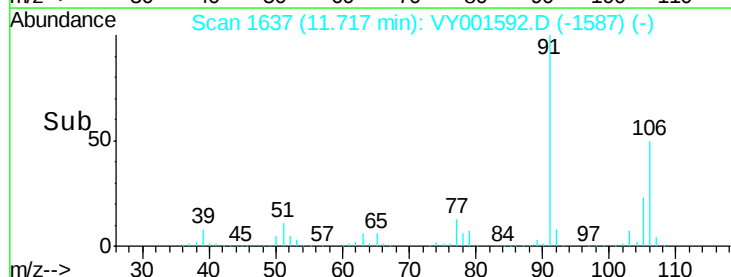
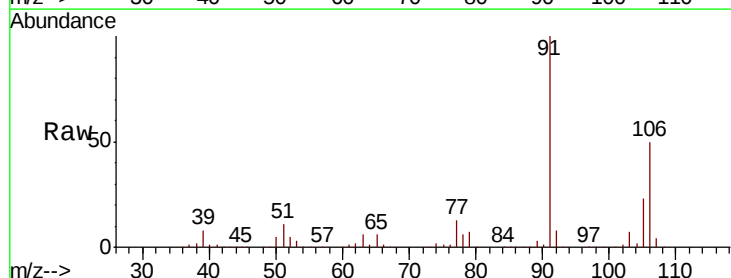
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 97.957 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion: 106 Resp: 400990
Ion Ratio Lower Upper
106 100
91 202.6 163.6 245.4





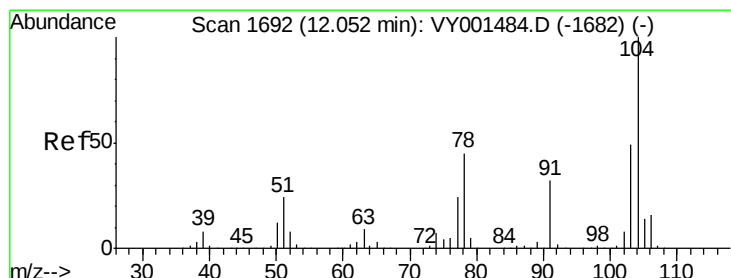
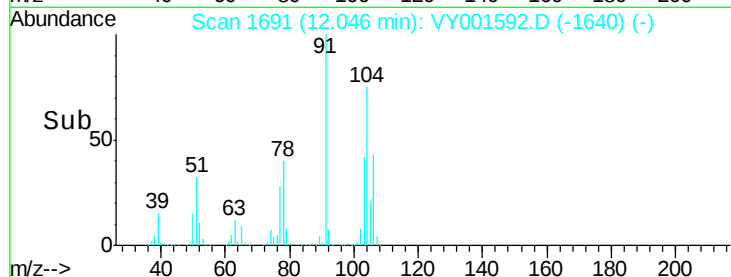
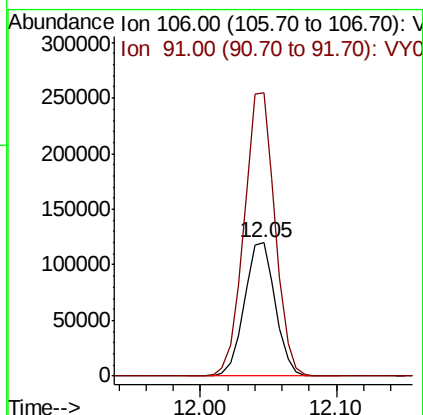
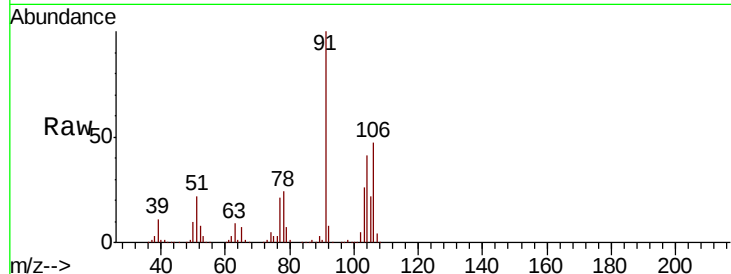
#69
o-Xylene
Concen: 49.291 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 190246
Ion Ratio Lower Upper
106 100
91 211.7 106.0 318.0

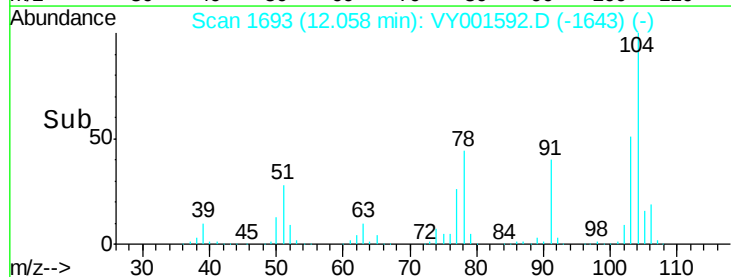
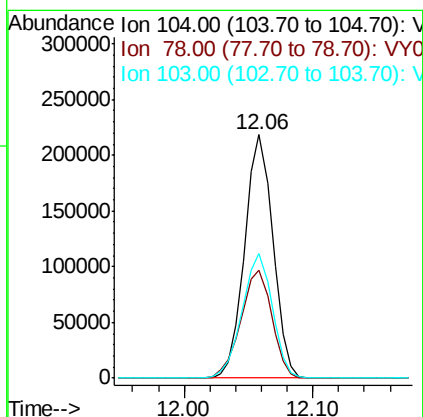
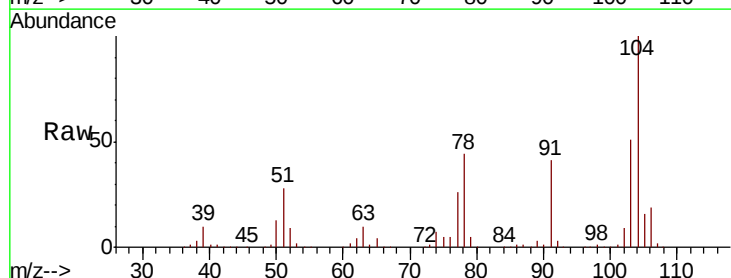
Manual Integrations
APPROVED

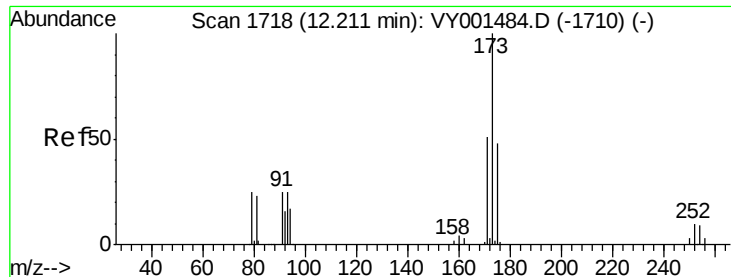
MMDadoda
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#70
Styrene
Concen: 49.593 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion:104 Resp: 331008
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 54.7 42.8 64.2





#71

Bromoform

Concen: 48.986 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56301

Ion Ratio Lower Upper

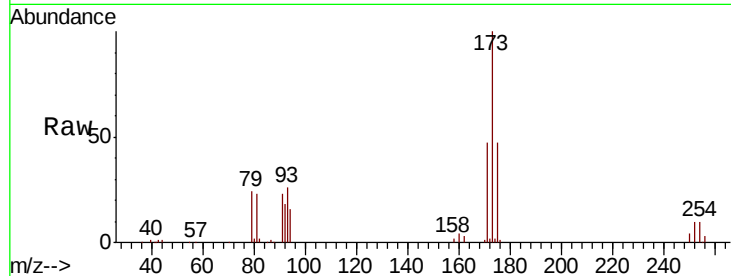
173 100

175 47.6 24.0 72.0

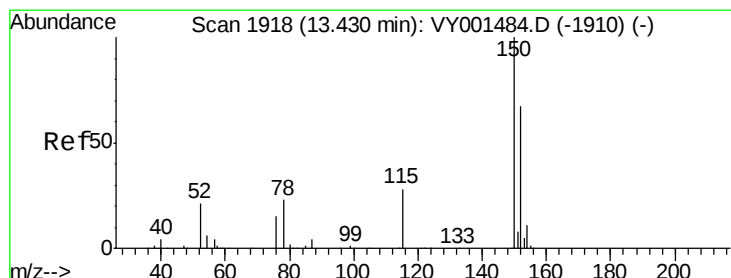
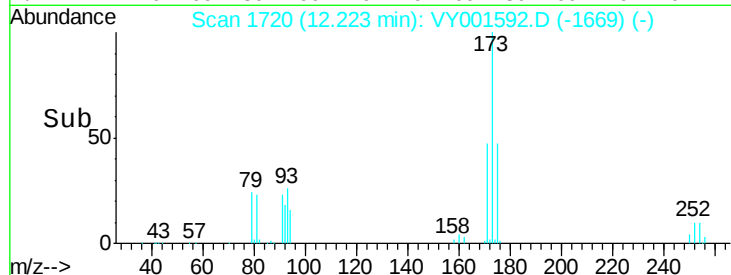
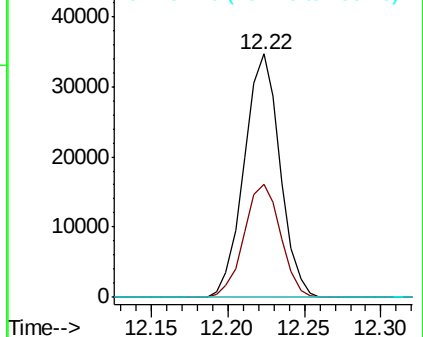
254 0.1 0.1 0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

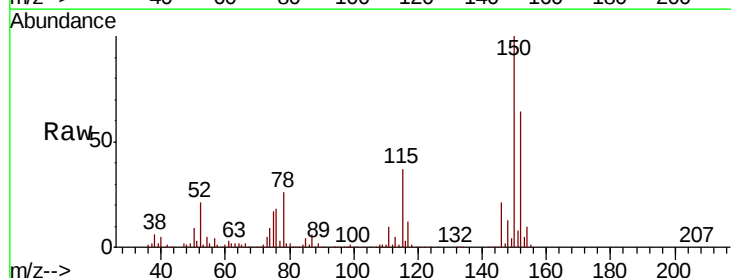
Tgt Ion:152 Resp: 145954

Ion Ratio Lower Upper

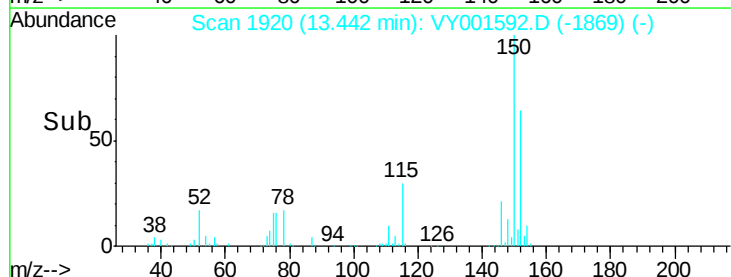
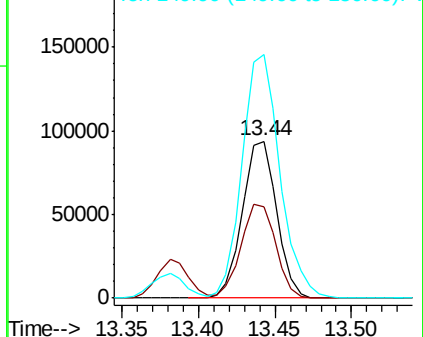
152 100

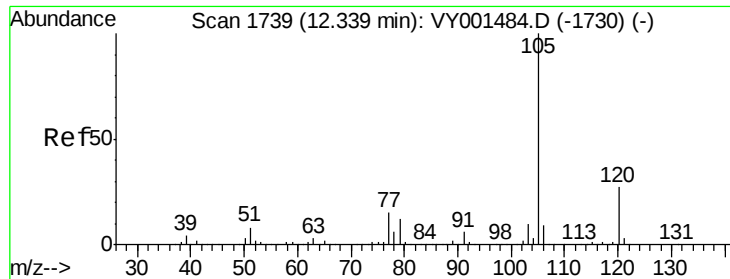
115 60.7 31.4 94.3

150 171.6 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: 46.300 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 515400

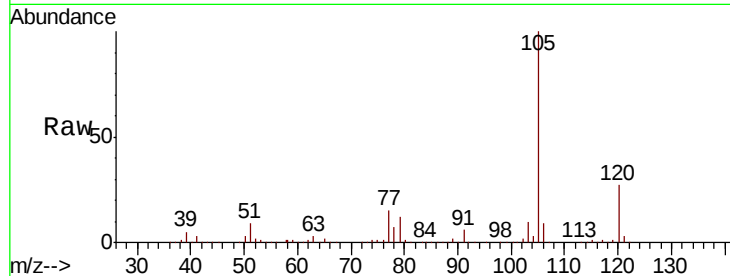
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

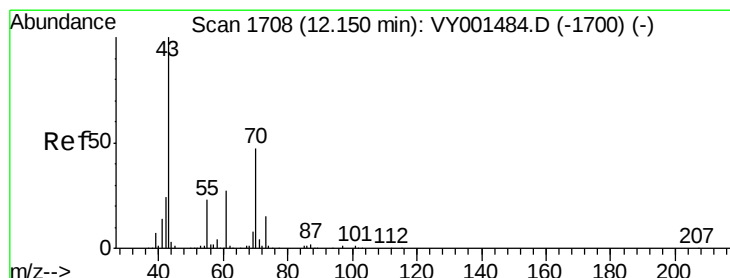
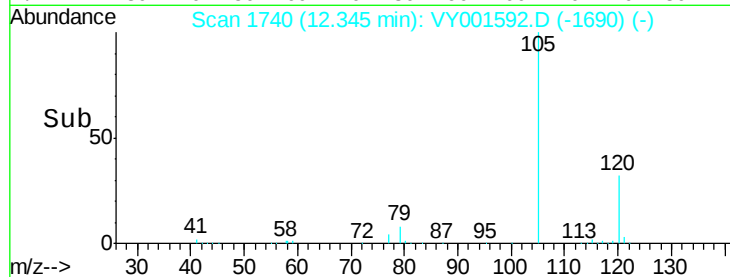
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 54.388 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion: 43 Resp: 157323

Ion Ratio Lower Upper

43 100

70 42.2 37.2 55.8

55 22.1 18.8 28.2

61 24.5 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

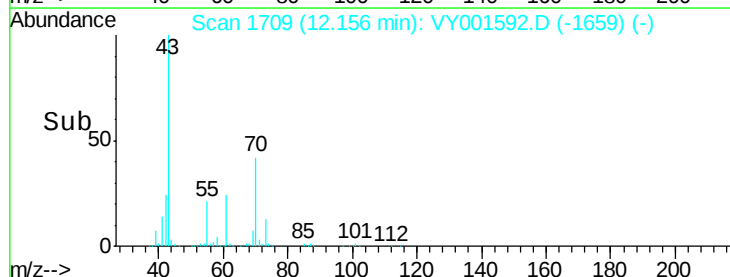
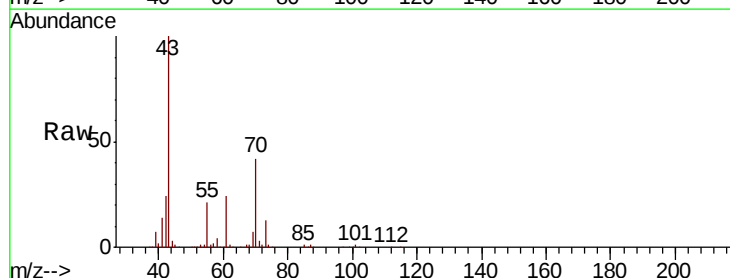
12.16

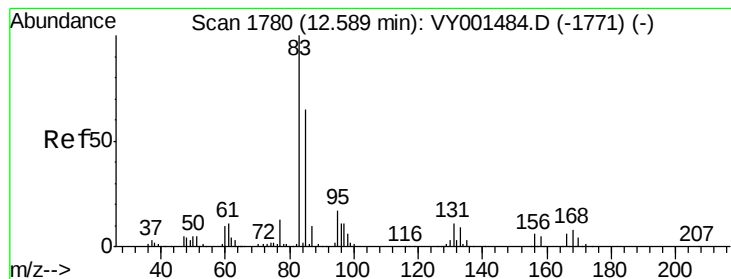
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.777 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

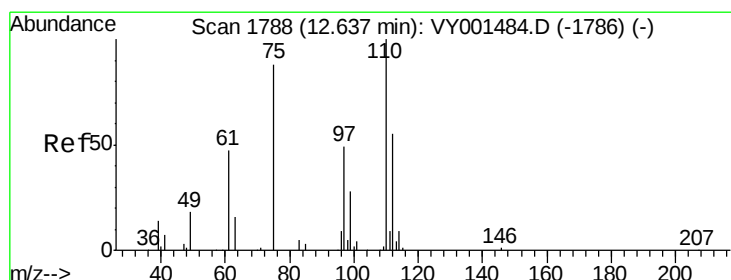
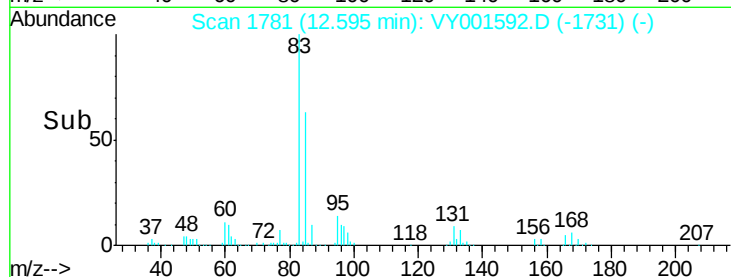
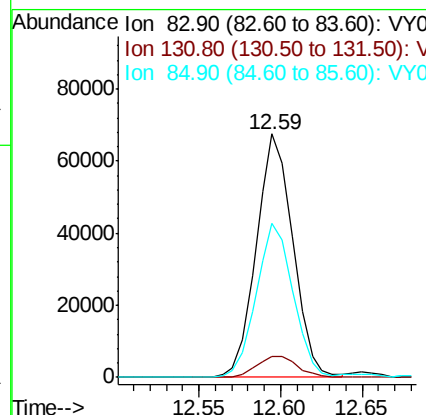
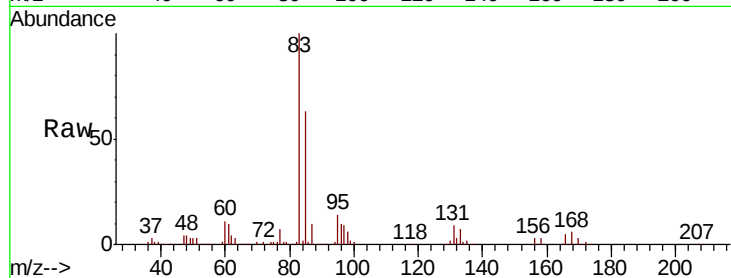
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105274
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.4	16.2
85	63.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.230 ug/l m

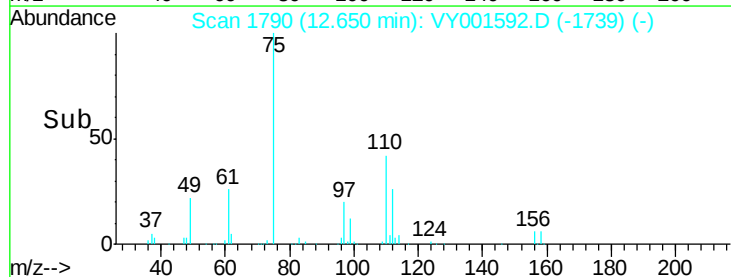
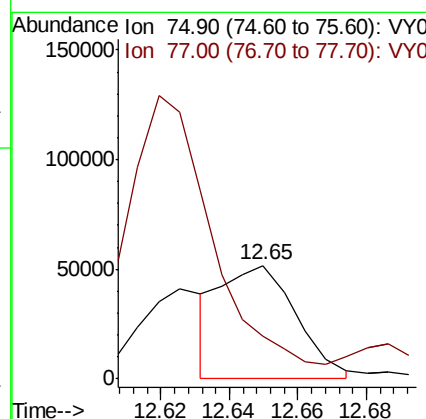
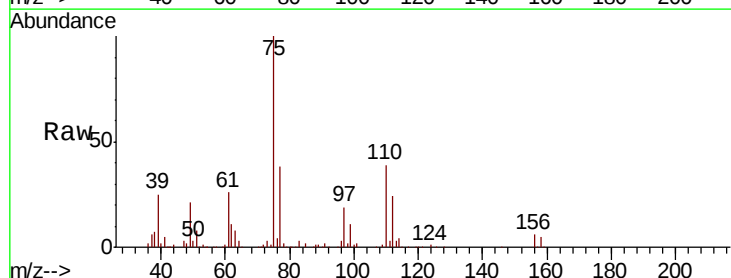
RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Tgt Ion:	75	Resp:	78840
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





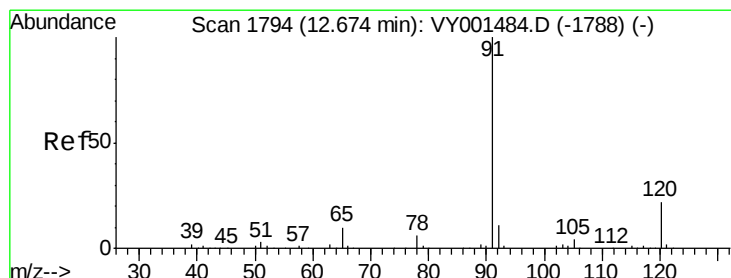
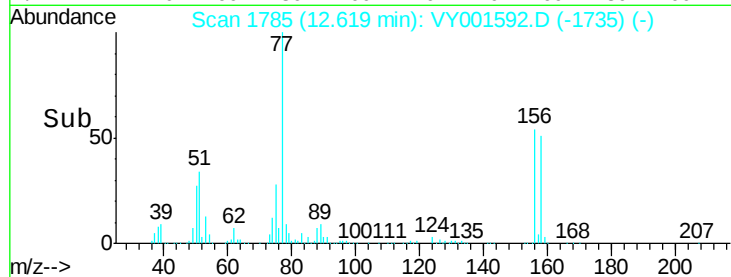
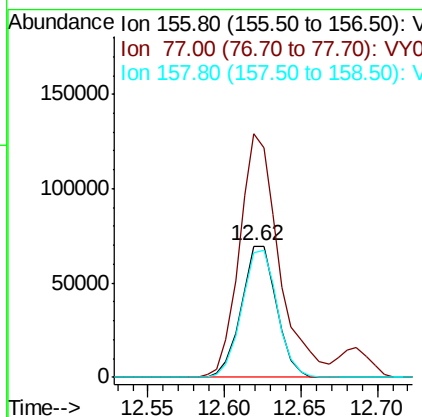
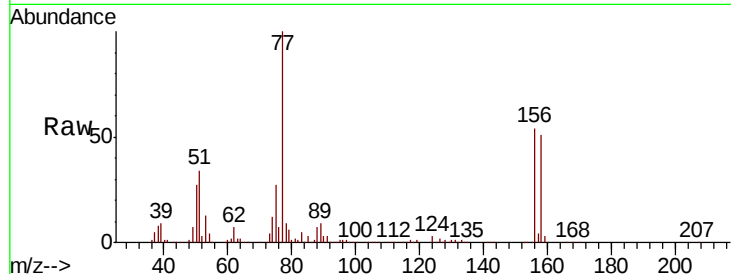
#77
Bromobenzene
Concen: 46.116 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	208.3	99.8	299.3	
158	97.6	47.5	142.6	

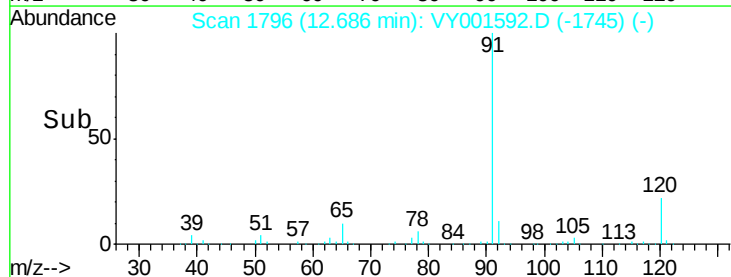
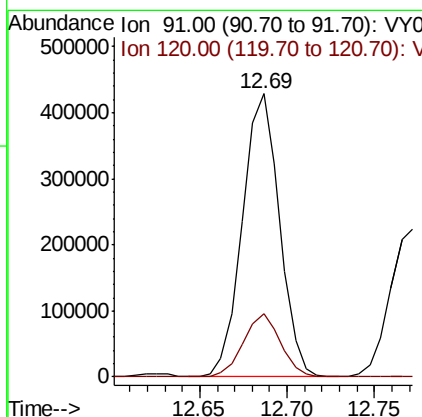
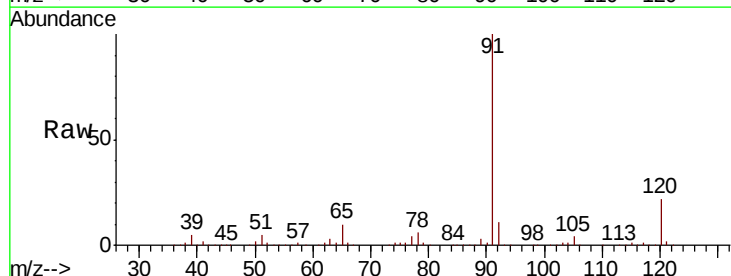
Manual Integrations
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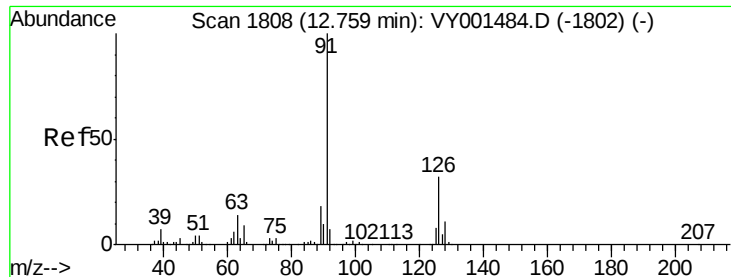
MMDadoda
2/12/2020 3:12:12 PM



#78
n-propylbenzene
Concen: 47.532 ug/l
RT: 12.69 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.4	34.2	





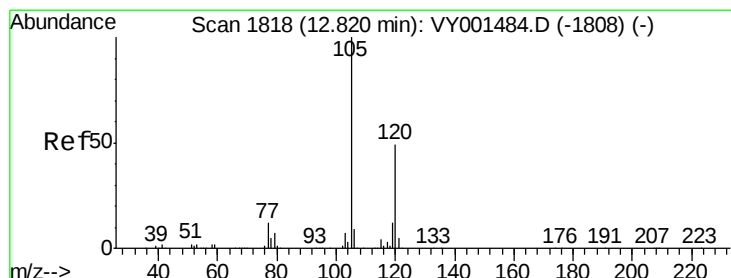
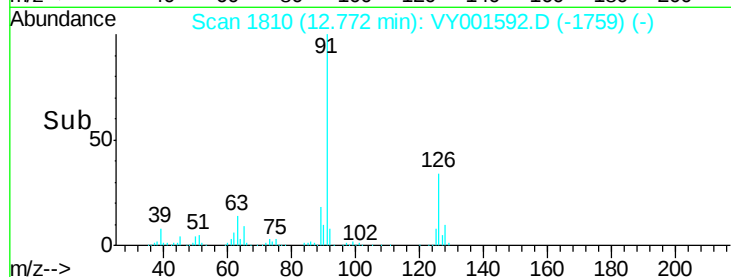
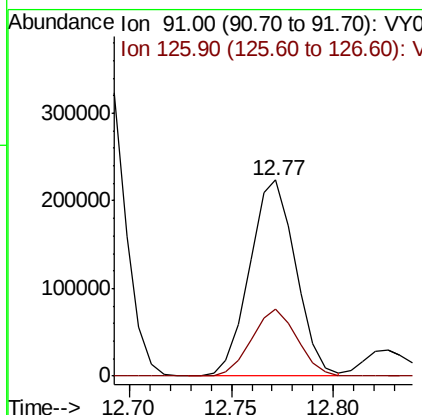
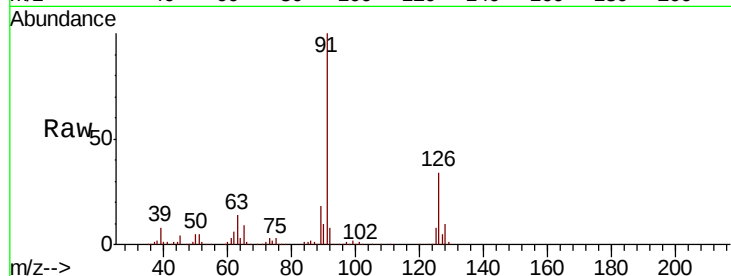
#79
2-Chlorotoluene
Concen: 46.377 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.2

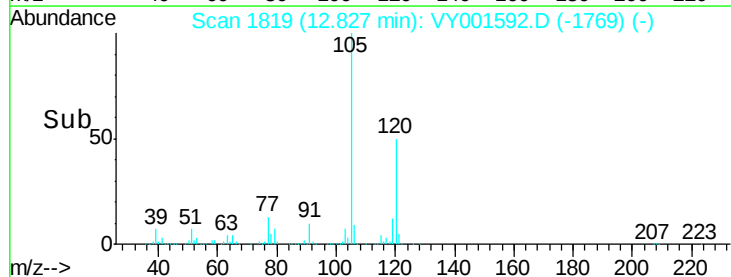
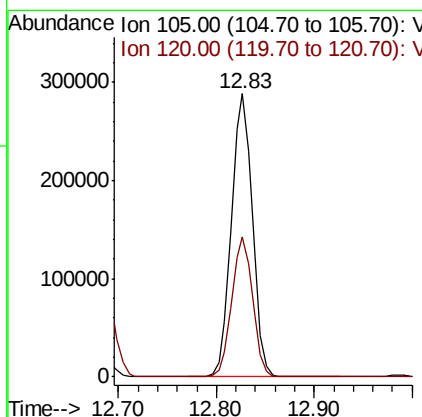
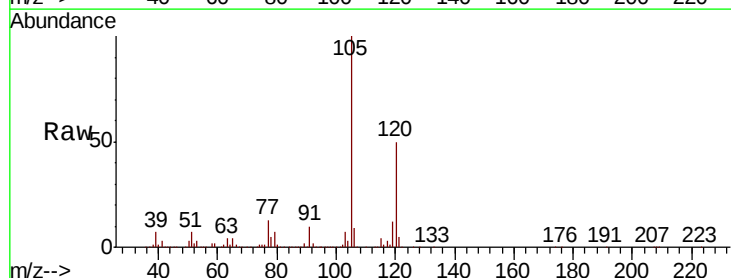
Manual Integrations
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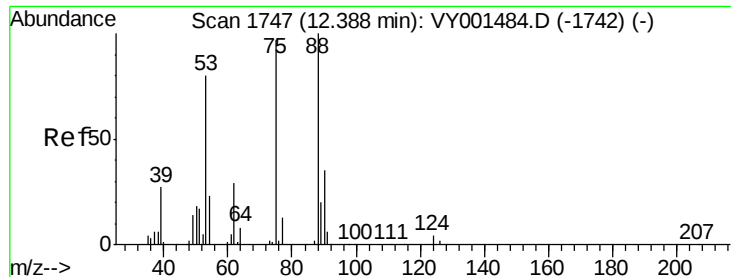
MMDadoda
2/12/2020 3:12:12 PM



#80
1,3,5-Trimethylbenzene
Concen: 45.817 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.2





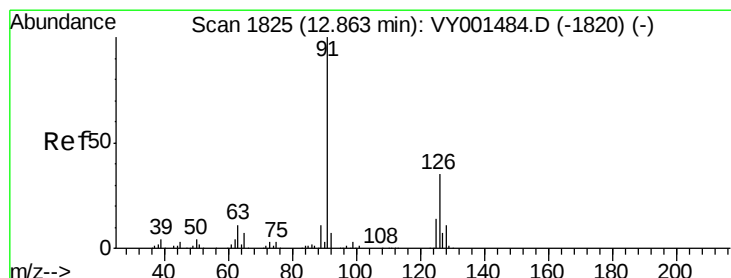
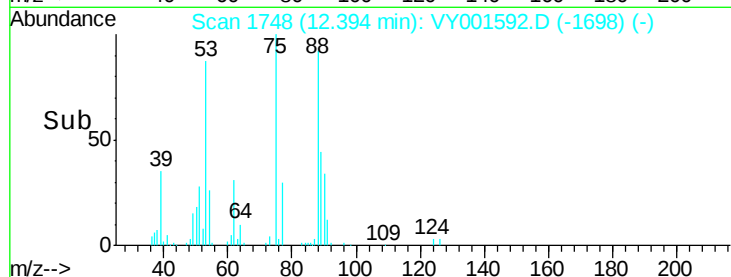
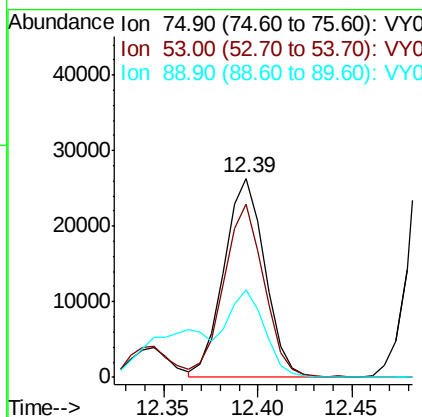
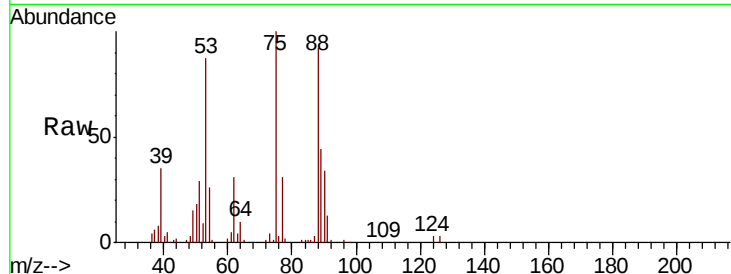
#81
trans-1,4-Dichloro-2-butene
Concen: 48.863 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	67.7	101.5
89	40.5	34.6	52.0

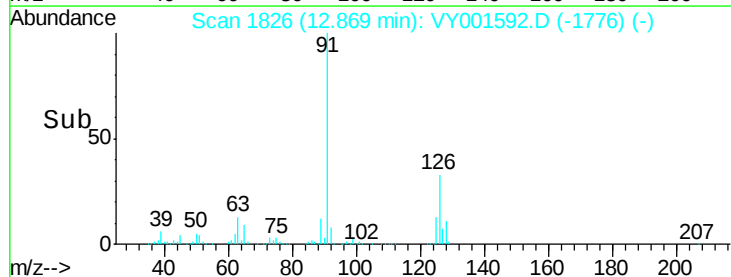
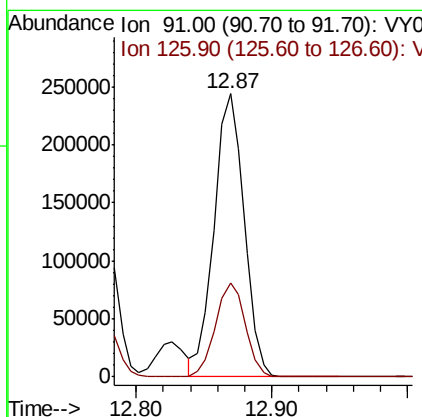
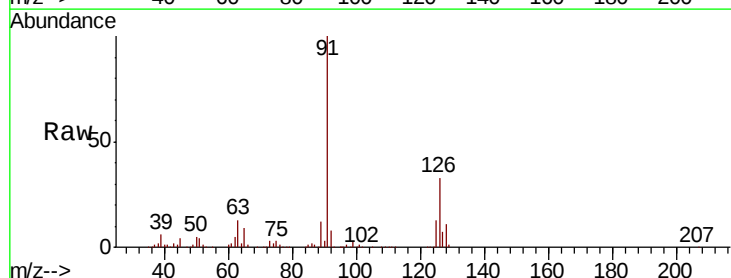
Manual Integrations
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#82
4-Chlorotoluene
Concen: 46.780 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





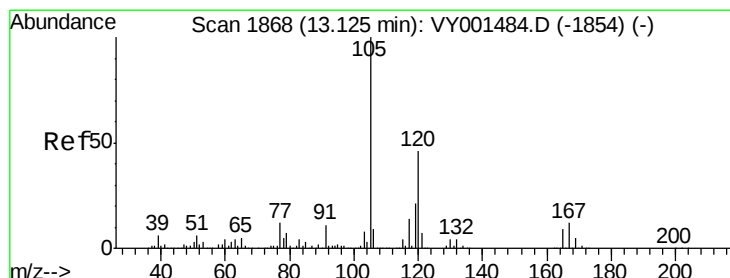
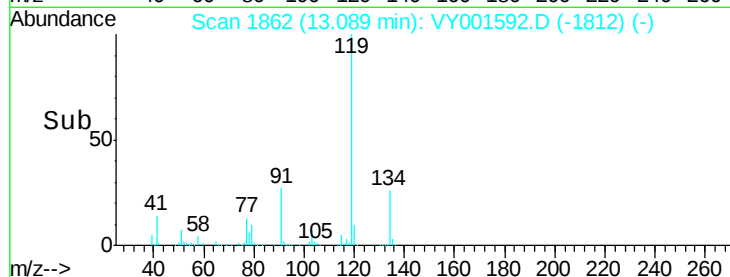
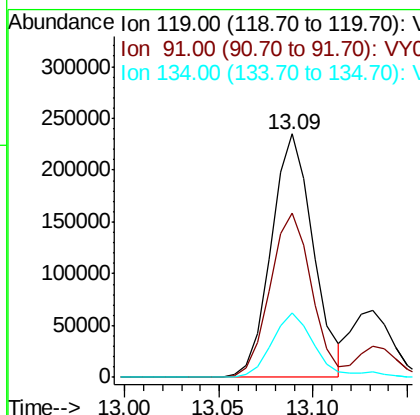
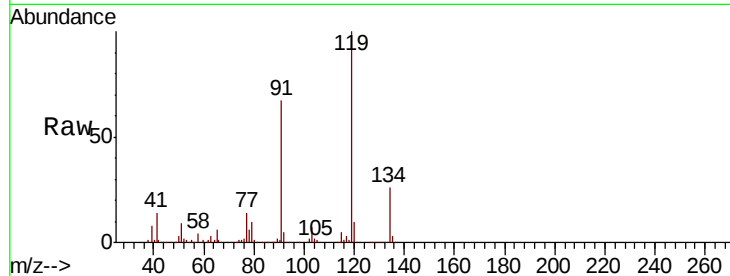
#83
tert-Butylbenzene
Concen: 45.914 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363835		
91	66.5	33.1	99.3	
134	27.3	13.0	39.0	

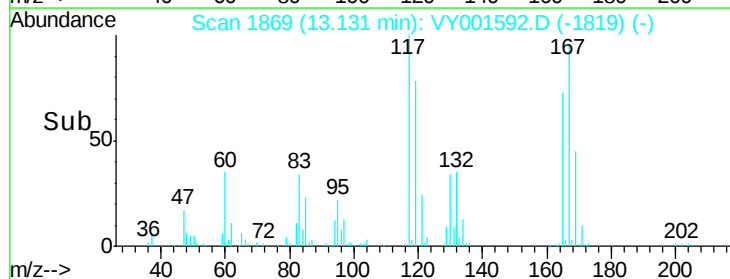
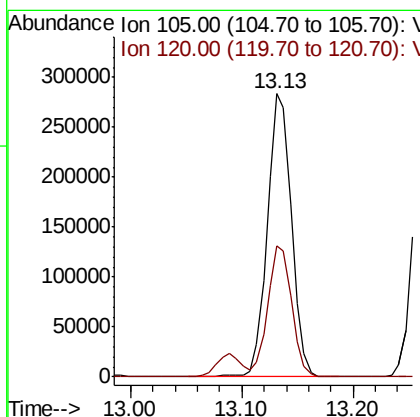
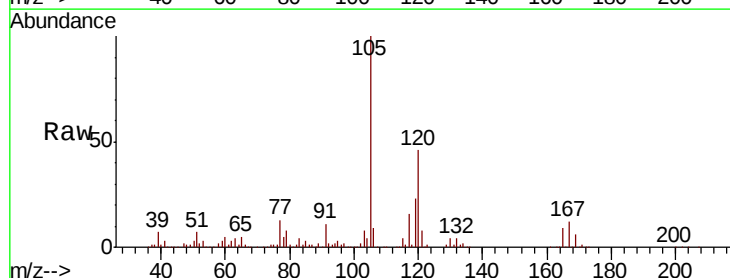
Manual Integrations
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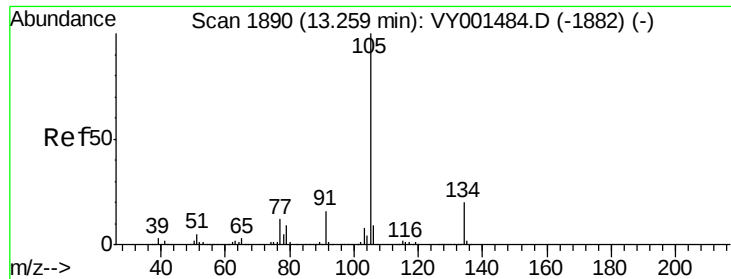
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#84
1,2,4-Trimethylbenzene
Concen: 46.180 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	428484		
120	45.9	22.4	67.0	





#85

sec-Butylbenzene

Concen: 47.947 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 534188

Ion Ratio Lower Upper

105 100

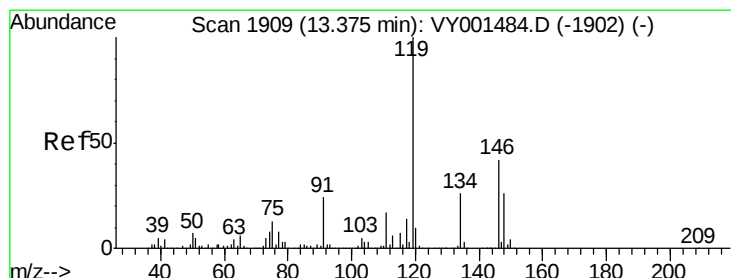
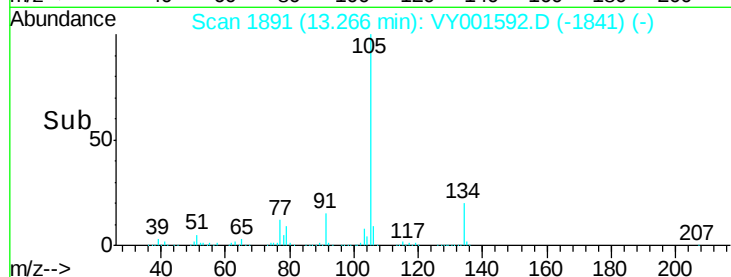
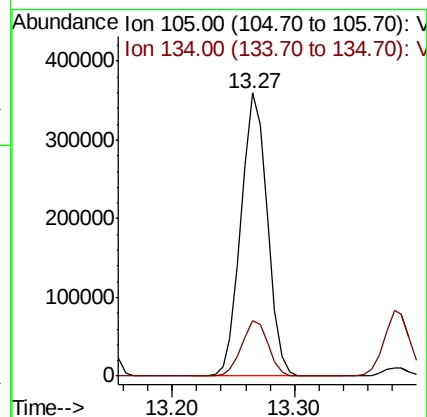
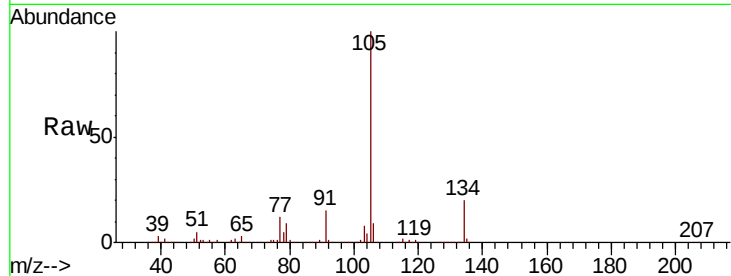
134 19.8 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.280 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001592.D

Acq: 11 Feb 2020 10:26

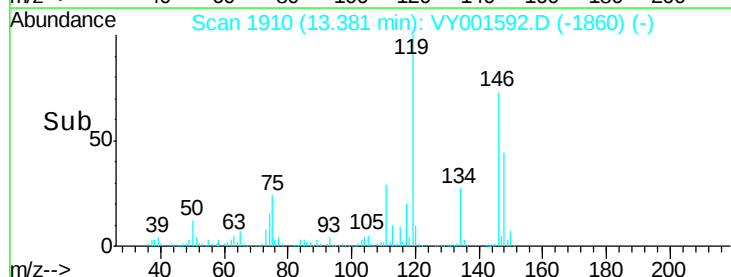
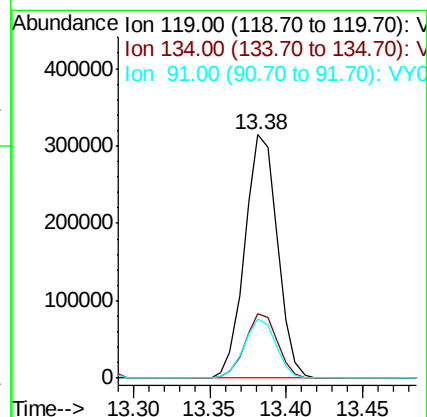
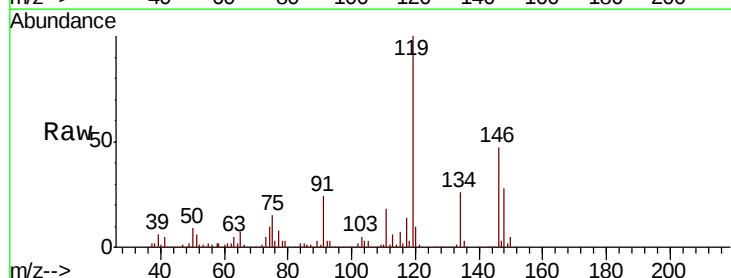
Tgt Ion:119 Resp: 464197

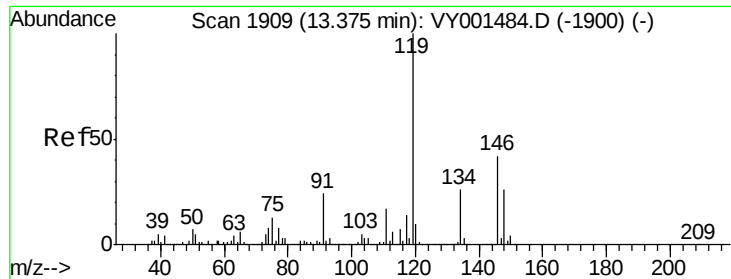
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 23.7 12.2 36.6





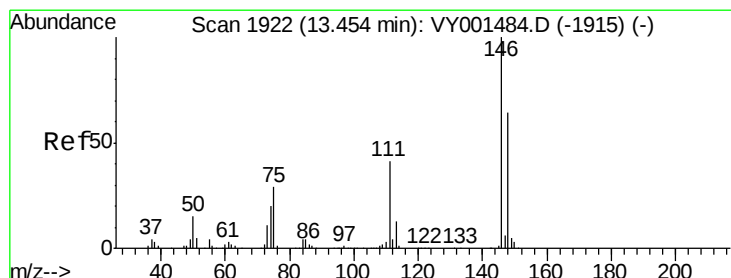
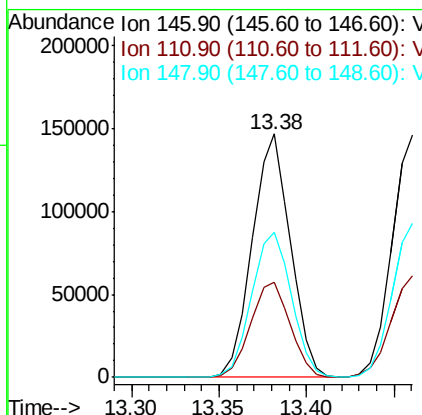
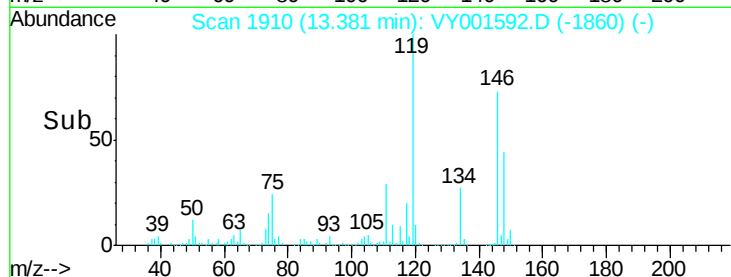
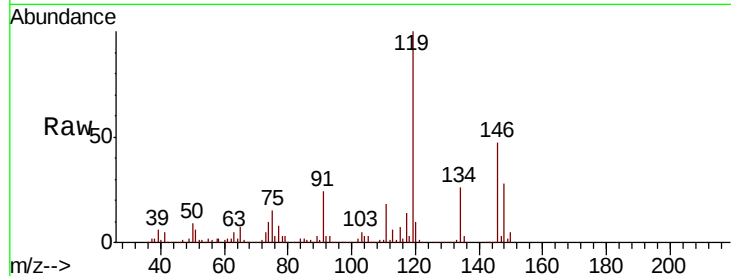
#87
 1,3-Dichlorobenzene
 Concen: 48.106 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.9
148	62.3	31.9	95.7

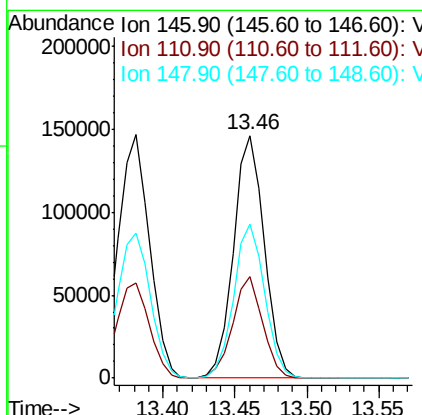
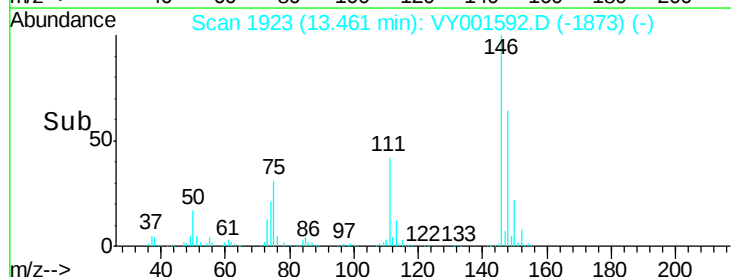
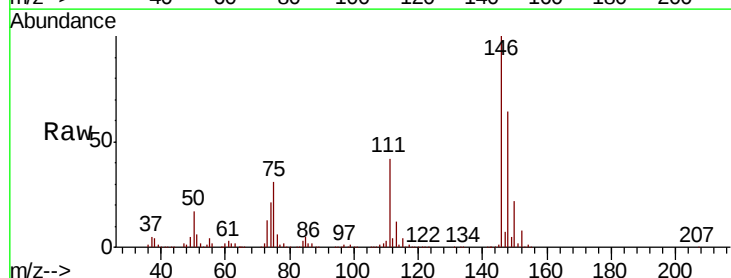
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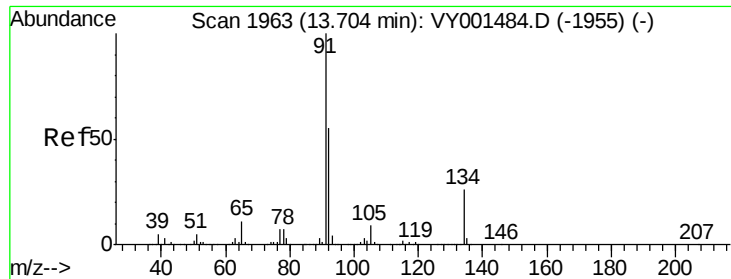
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#88
 1,4-Dichlorobenzene
 Concen: 47.185 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	63.8	32.1	96.5





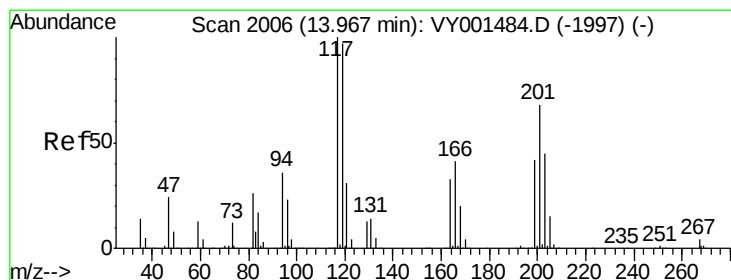
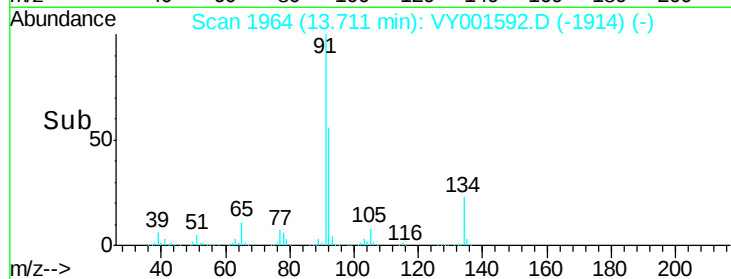
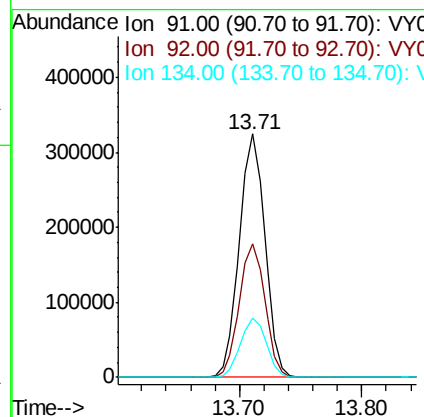
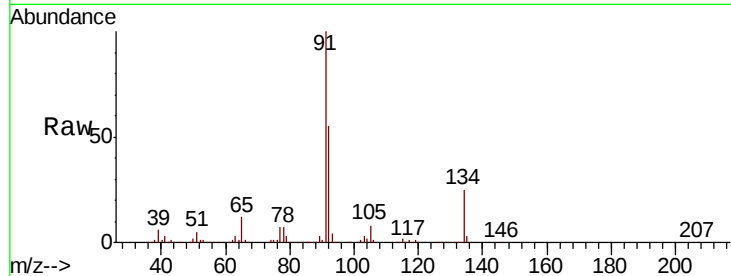
#89
n-Butylbenzene
Concen: 48.635 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	471135		
92	54.9	27.3	81.9	
134	24.7	13.0	38.9	

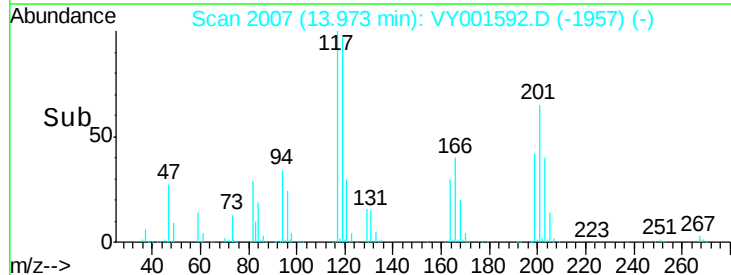
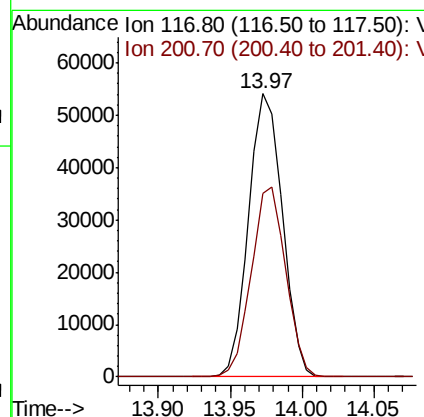
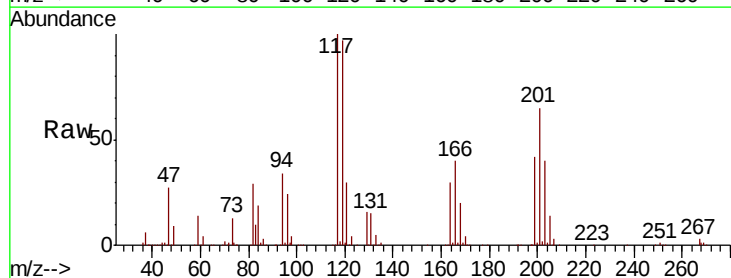
Manual Integrations
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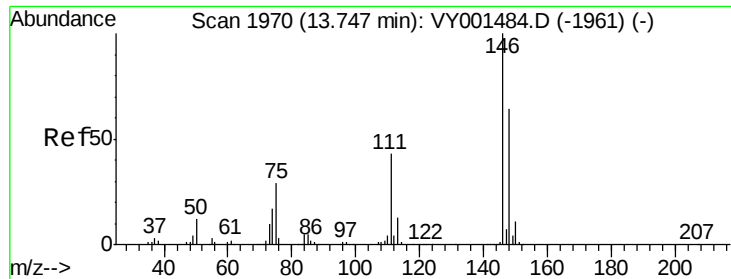
MMDadoda
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#90
Hexachloroethane
Concen: 46.731 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	88060		
201	68.0	34.1	102.3	





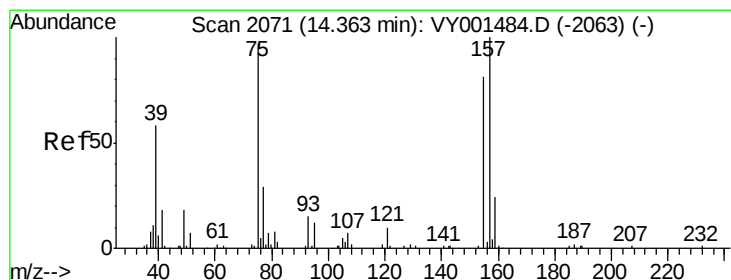
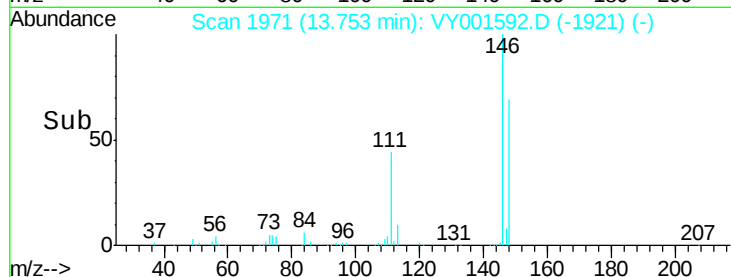
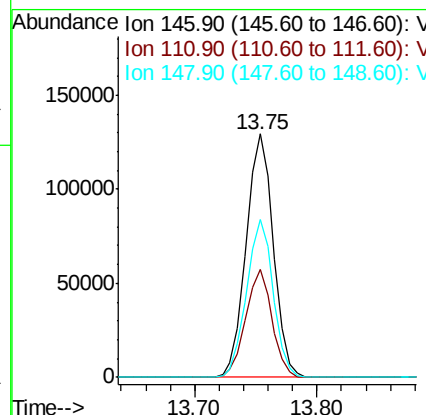
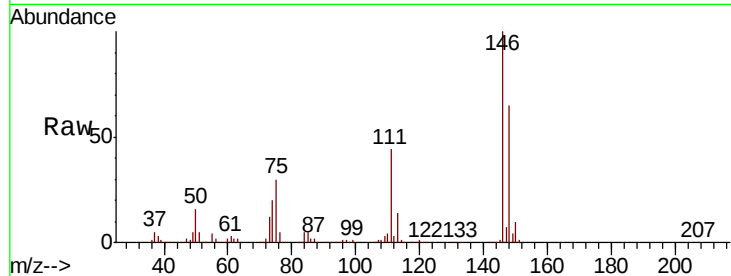
#91
 1,2-Dichlorobenzene
 Concen: 47.621 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.9	65.8
148	63.6	31.8	95.3

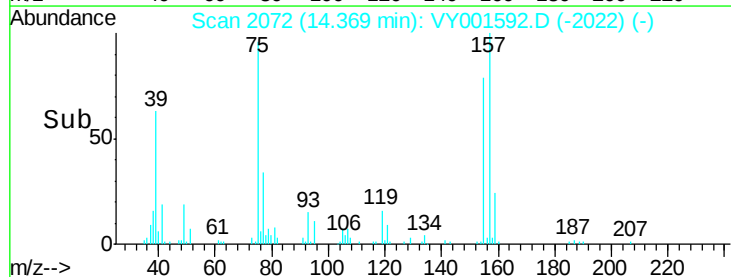
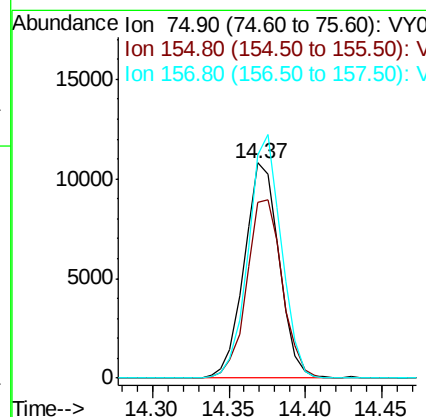
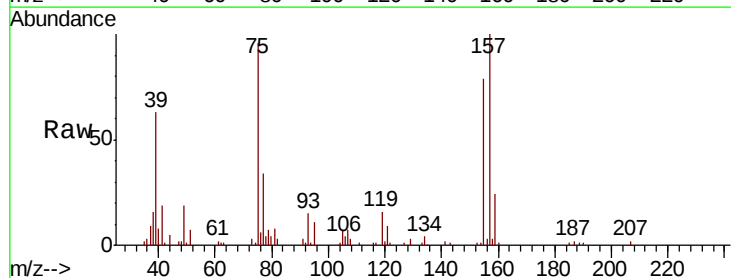
Manual Integrations
 APPROVED

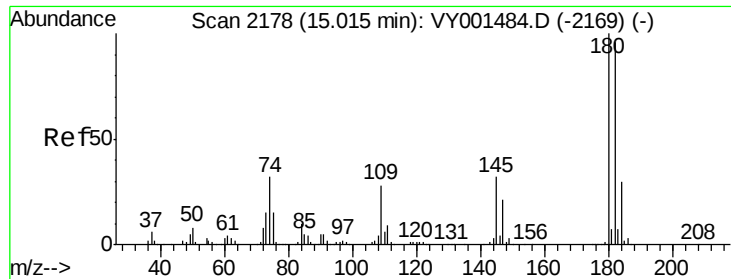
MMDadoda
 2/12/2020 3:12:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.726 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001592.D
 Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	40.7	122.1
157	107.1	52.3	157.1





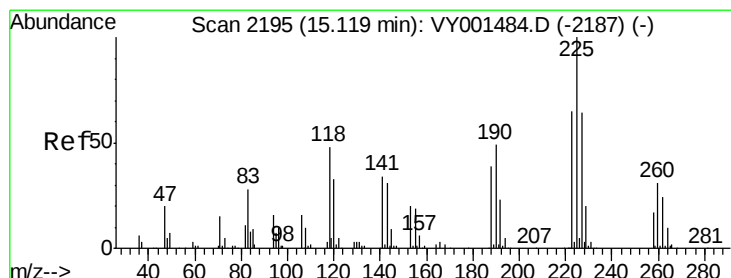
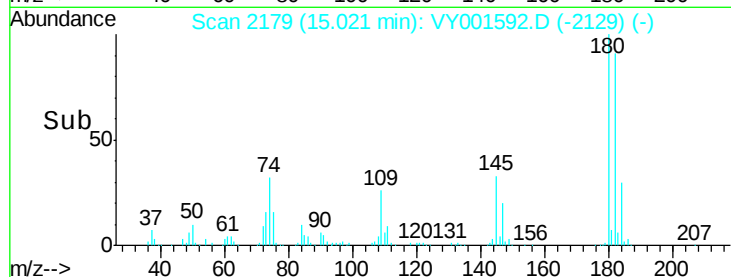
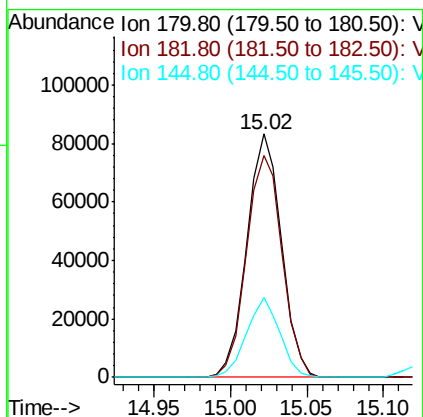
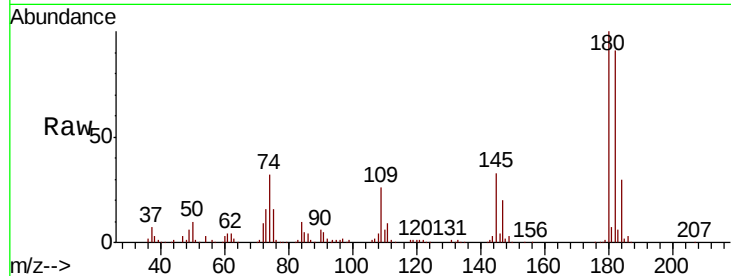
#93
1,2,4-Trichlorobenzene
Concen: 46.477 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.7
145	31.6	16.8	50.3

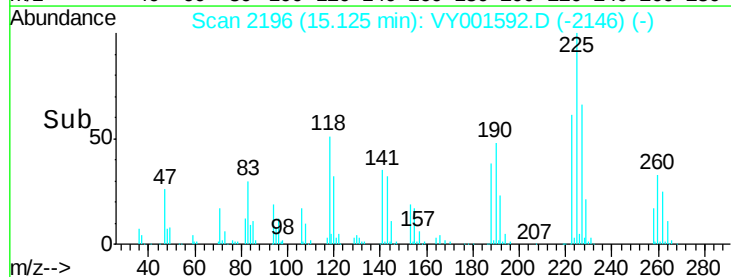
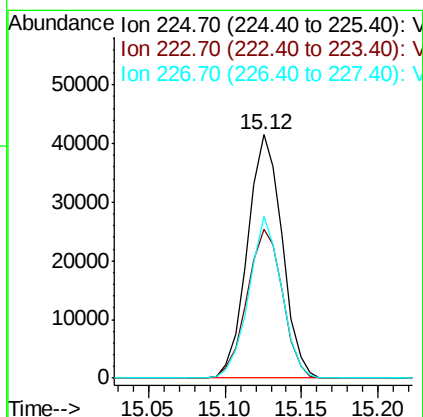
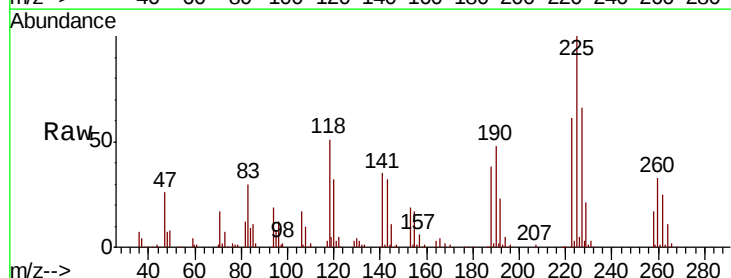
Manual Integrations
APPROVED

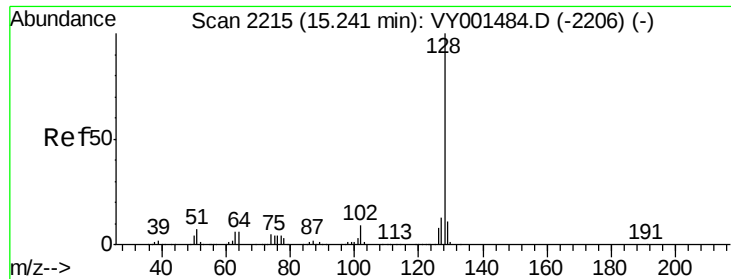
MMDadoda
2/12/2020 3:12:12 PM



#94
Hexachlorobutadiene
Concen: 45.679 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	62.5	32.6	97.7





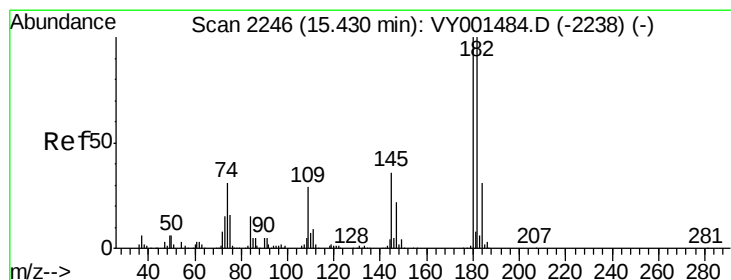
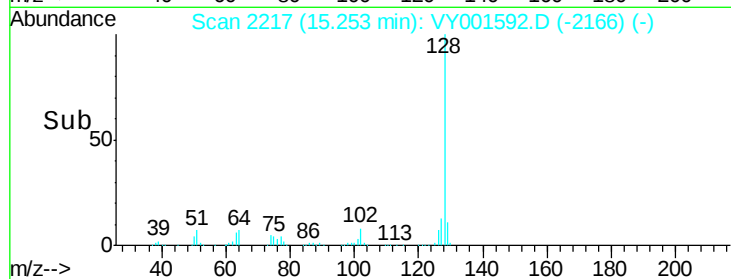
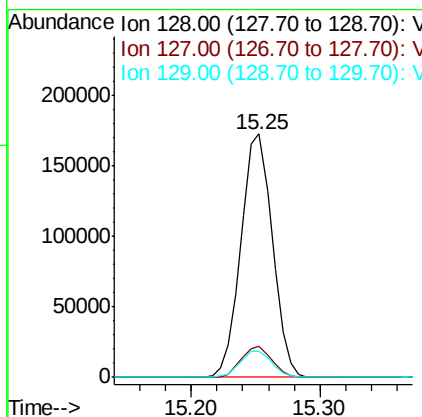
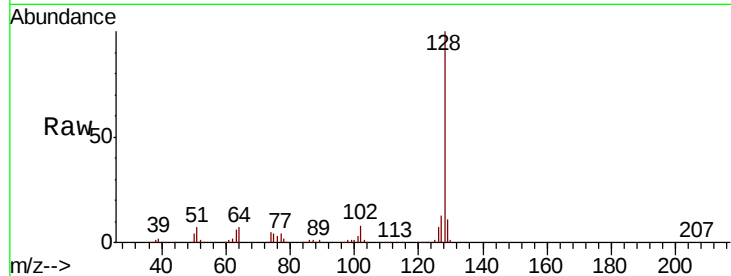
#95
Naphthalene
Concen: 43.991 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	291493		
127	12.5		10.1	15.1
129	10.7		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.143 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001592.D
Acq: 11 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114840		
182	93.3		48.0	144.2
145	32.5		17.8	53.5

