

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001620.D
 Acq On : 12 Feb 2020 19:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:28:04 PM

Quant Time: Feb 13 08:28:57 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	193844	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	346307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	149743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102731	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.75	113	93071	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.19	98	384248	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.49	95	142117	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	78805	41.531	ug/l	99
3) Chloromethane	2.13	50	104153	52.518	ug/l	97
4) Vinyl Chloride	2.26	62	107234	52.075	ug/l	98
5) Bromomethane	2.66	94	71601	55.288	ug/l	93
6) Chloroethane	2.81	64	69342	55.864	ug/l	93
7) Trichlorofluoromethane	3.15	101	143368	42.061	ug/l	98
8) Diethyl Ether	3.55	74	58514	50.871	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	91205	44.471	ug/l	97
10) Methyl Iodide	4.12	142	110944	42.455	ug/l	98
11) Tert butyl alcohol	4.99	59	55576	253.725	ug/l	99
12) 1,1-Dichloroethene	3.90	96	92214	45.247	ug/l	92
13) Acrolein	3.76	56	45853	248.114	ug/l	100
14) Allyl chloride	4.51	41	165141	52.969	ug/l	97
15) Acrylonitrile	5.21	53	155450	294.798	ug/l	99
16) Acetone	3.97	43	152990	270.990	ug/l	96
17) Carbon Disulfide	4.22	76	285345	43.981	ug/l	100
18) Methyl Acetate	4.51	43	70793	58.761	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	268197	49.484	ug/l	99
20) Methylene Chloride	4.75	84	106806	48.140	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	104051	45.926	ug/l	96
22) Diisopropyl ether	6.15	45	350163	56.690	ug/l	92
23) Vinyl Acetate	6.10	43	1164871	296.246	ug/l	95
24) 1,1-Dichloroethane	6.05	63	182746	49.187	ug/l	97
25) 2-Butanone	7.02	43	219742	300.019	ug/l	94
26) 2,2-Dichloropropane	7.02	77	152819	42.978	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	118115	47.731	ug/l	97
28) Bromochloromethane	7.36	49	78095	61.702	ug/l	88
29) Tetrahydrofuran	7.38	42	140551	320.166	ug/l	92
30) Chloroform	7.54	83	180349	47.922	ug/l	99
31) Cyclohexane	7.82	56	179206	47.154	ug/l	91
32) 1,1,1-Trichloroethane	7.73	97	152339	44.647	ug/l	97
36) 1,1-Dichloropropene	7.94	75	145321	45.871	ug/l	99
37) Ethyl Acetate	7.11	43	93113	60.714	ug/l	94
38) Carbon Tetrachloride	7.93	117	131143	42.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	188330	45.148	ug/l	99
40) Benzene	8.19	78	436160	48.268	ug/l	99
41) Methacrylonitrile	7.35	41	39094m	55.001	ug/l	
42) 1,2-Dichloroethane	8.27	62	122812	48.783	ug/l	99
43) Isopropyl Acetate	8.30	43	178984	58.943	ug/l	94
44) Trichloroethene	8.96	130	107412	44.099	ug/l	98
45) 1,2-Dichloropropane	9.24	63	111687	51.185	ug/l	98
46) Dibromomethane	9.33	93	58957	48.117	ug/l	100
47) Bromodichloromethane	9.52	83	141904	47.533	ug/l	100
48) Methyl methacrylate	9.31	41	80947	58.735	ug/l	94
49) 1,4-Dioxane	9.32	88	17170	1061.081	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	471110	315.038	ug/l	94
52) Toluene	10.26	92	273013	47.616	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	157588	48.464	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	179036	47.960	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	88410	50.291	ug/l	99
56) Ethyl methacrylate	10.52	69	135902	54.352	ug/l	93
57) 1,3-Dichloropropane	10.80	76	154340	49.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	264662	287.727	ug/l	94
59) 2-Hexanone	10.85	43	345938	318.165	ug/l	96
60) Dibromochloromethane	11.00	129	97410	47.008	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84035	48.533	ug/l	99
64) Tetrachloroethene	10.73	164	90863	43.993	ug/l	98
65) Chlorobenzene	11.53	112	285343	46.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	97570	45.082	ug/l	100
67) Ethyl Benzene	11.60	91	527376	46.125	ug/l	98
68) m/p-Xylenes	11.71	106	393468	91.670	ug/l	100
69) o-Xylene	12.03	106	188482	46.574	ug/l	98
70) Styrene	12.05	104	332289	47.480	ug/l	99
71) Bromoform	12.22	173	57713	47.890	ug/l #	99
73) Isopropylbenzene	12.34	105	506840	44.379	ug/l	100
74) N-amyl acetate	12.15	43	173855	58.582	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	113898	52.492	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	83967m	52.142	ug/l	
77) Bromobenzene	12.61	156	112623	45.568	ug/l	94
78) n-propylbenzene	12.68	91	621349	45.446	ug/l	100
79) 2-Chlorotoluene	12.77	91	350048	44.916	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	426198	44.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41037	49.309	ug/l	98
82) 4-Chlorotoluene	12.86	91	369293	45.195	ug/l	100
83) tert-Butylbenzene	13.08	119	357220	43.939	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	429424	45.110	ug/l	100
85) sec-Butylbenzene	13.26	105	520367	45.524	ug/l	99
86) p-Isopropyltoluene	13.38	119	454198	45.091	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	217174	45.850	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	217503	45.836	ug/l	99
89) n-Butylbenzene	13.70	91	460216	46.306	ug/l	99
90) Hexachloroethane	13.97	117	85906	44.434	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	199424	46.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18961	47.335	ug/l	98

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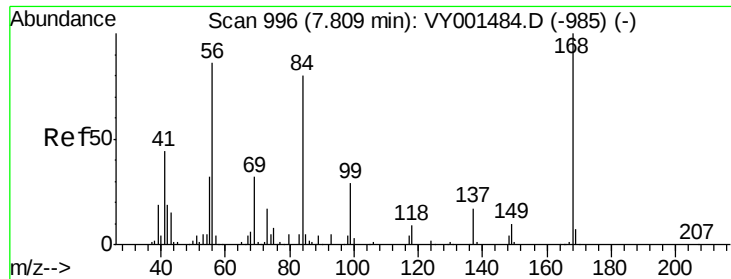
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129018	44.603	ug/l	99
94) Hexachlorobutadiene	15.12	225	62872	42.826	ug/l	99
95) Naphthalene	15.24	128	306540	45.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	114215	44.731	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 193844

Ion Ratio Lower Upper

168 100

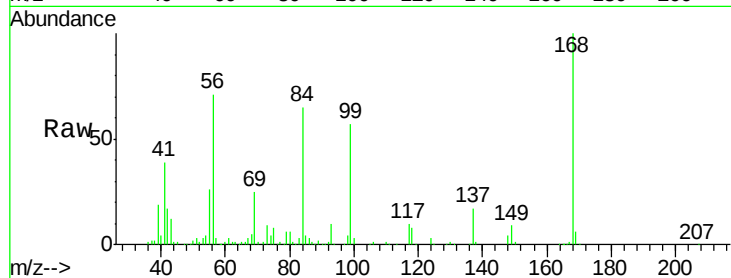
99 57.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001620.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001620.D (-947) (-)

7.82

80000

60000

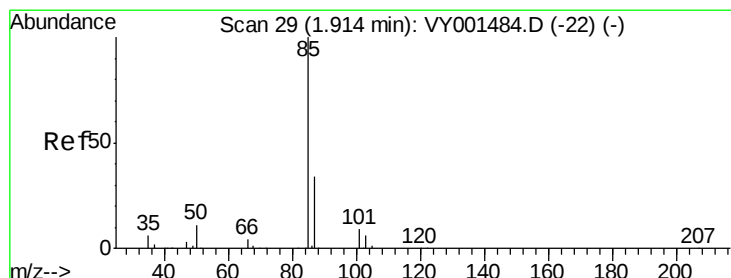
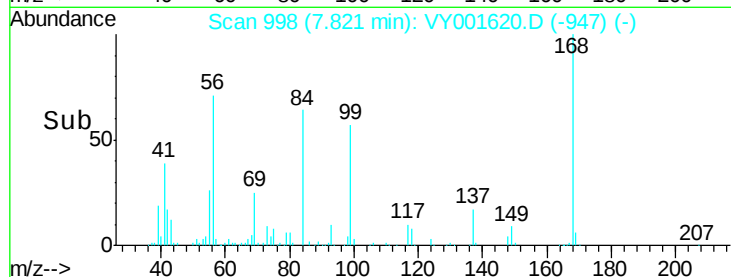
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.531 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001620.D

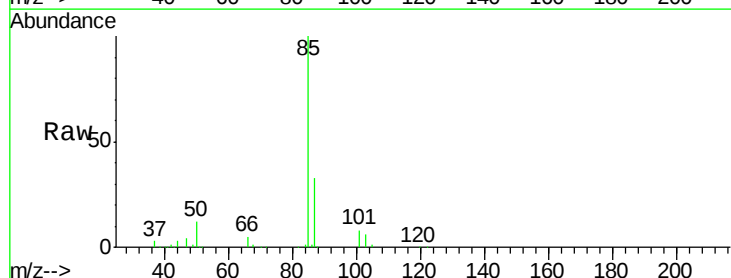
Acq: 12 Feb 2020 19:03

Tgt Ion: 85 Resp: 78805

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001620.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001620.D (-1) (-)

1.91

60000

50000

40000

30000

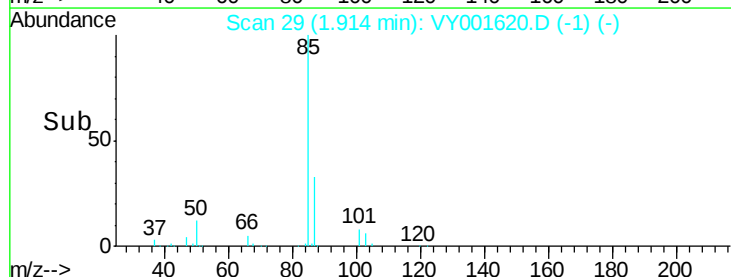
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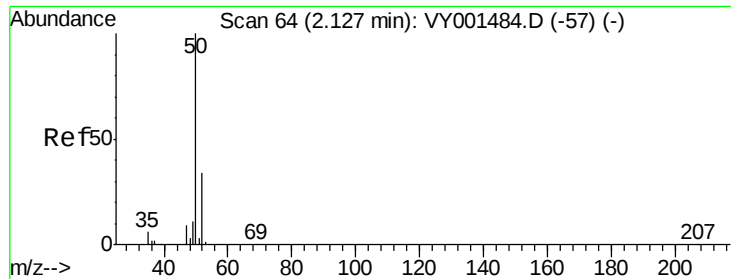
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.518 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 104153

Ion Ratio Lower Upper

50 100

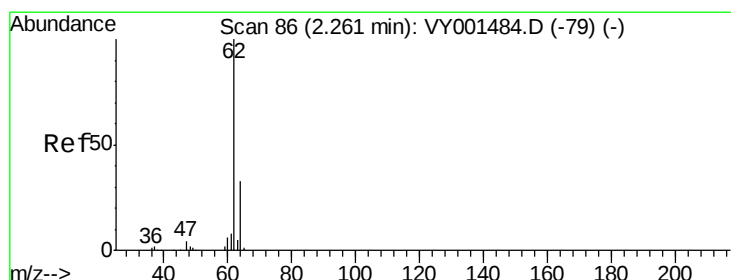
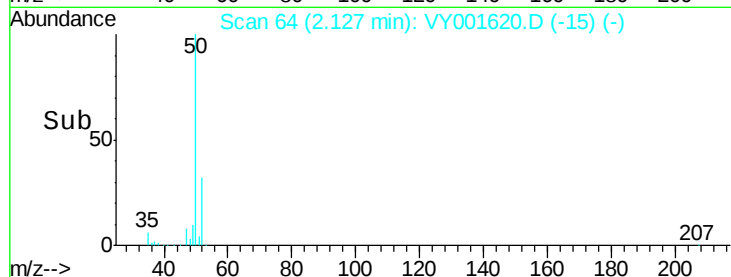
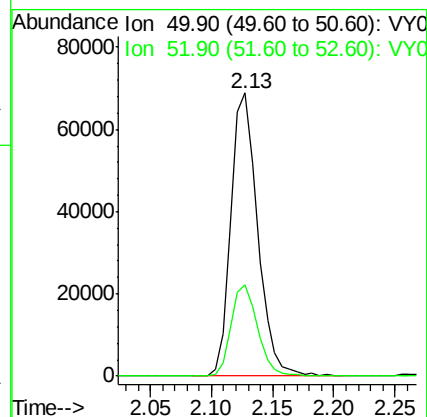
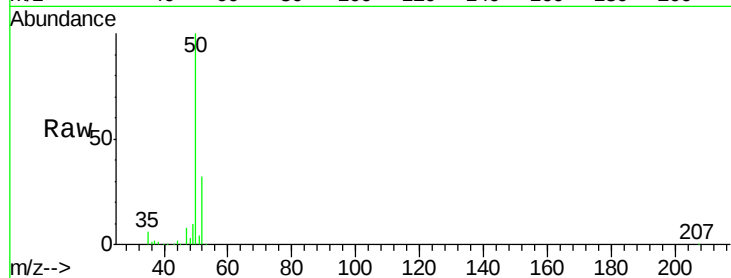
52 32.3 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.075 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001620.D

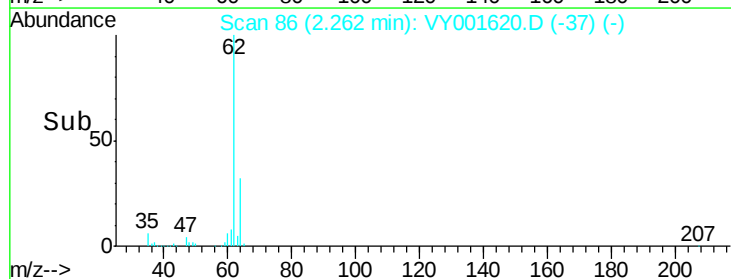
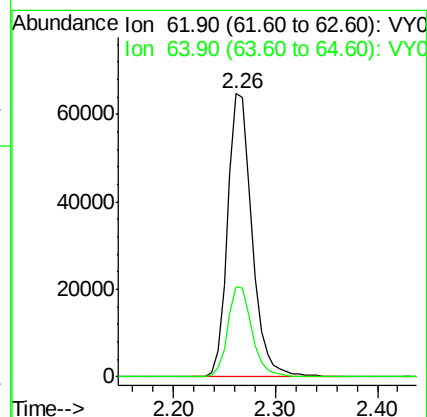
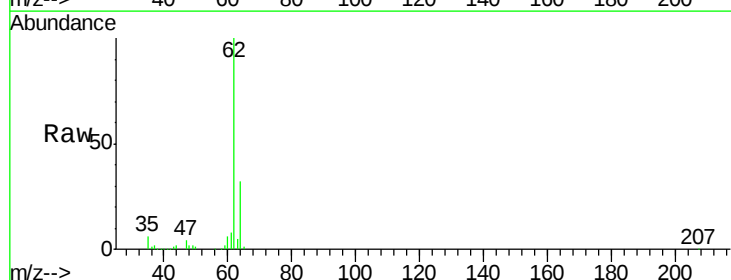
Acq: 12 Feb 2020 19:03

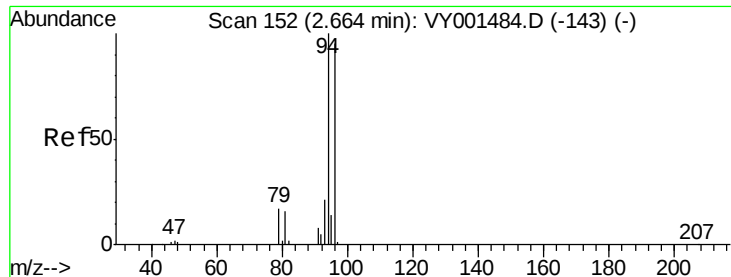
Tgt Ion: 62 Resp: 107234

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 55.288 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71601

Ion Ratio Lower Upper

94 100

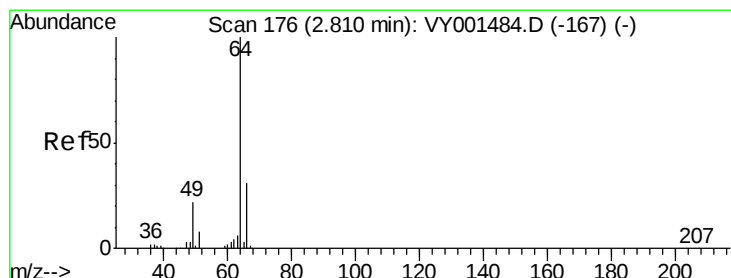
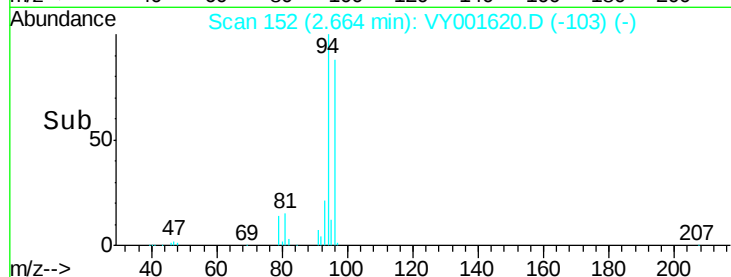
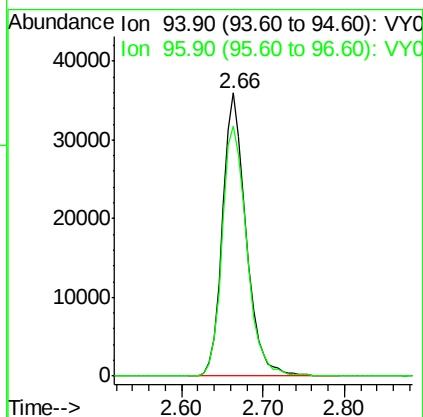
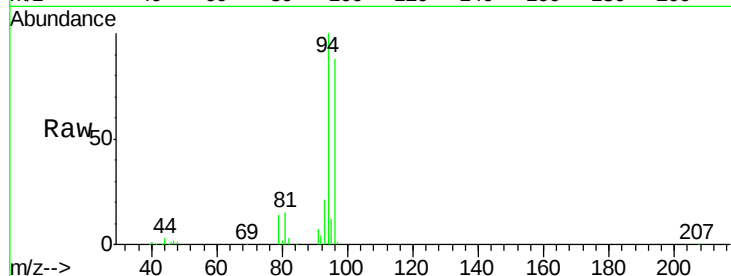
96 88.2 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 55.864 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001620.D

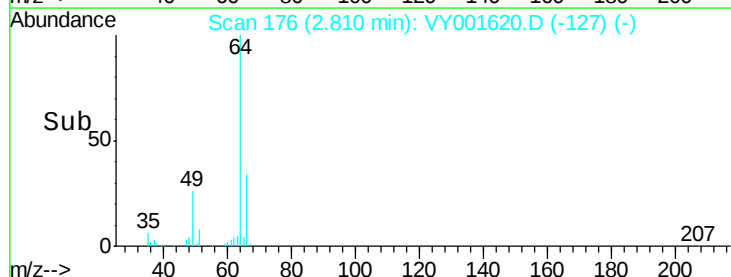
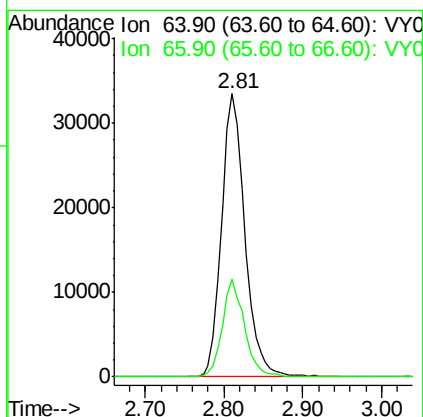
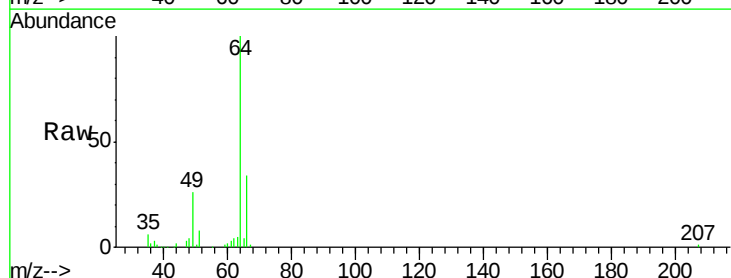
Acq: 12 Feb 2020 19:03

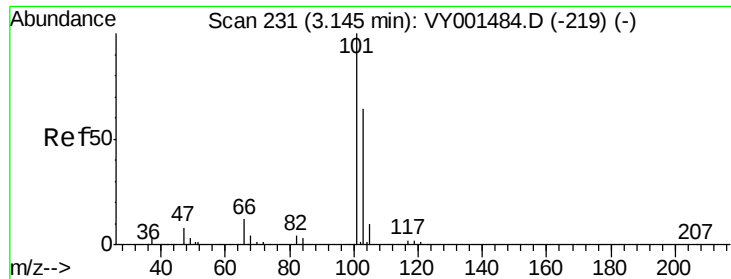
Tgt Ion: 64 Resp: 69342

Ion Ratio Lower Upper

64 100

66 34.5 24.5 36.7





#7

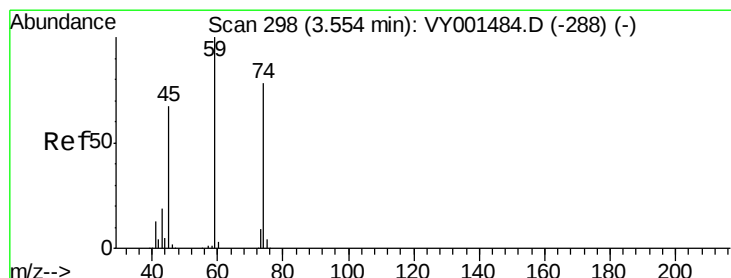
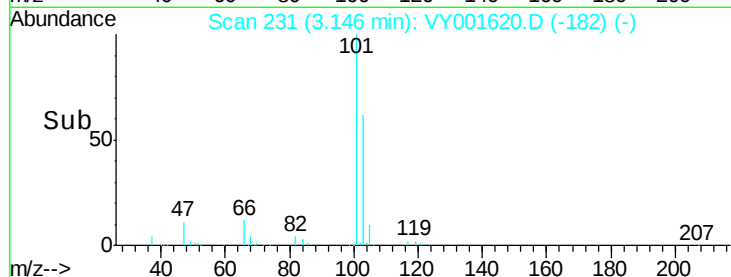
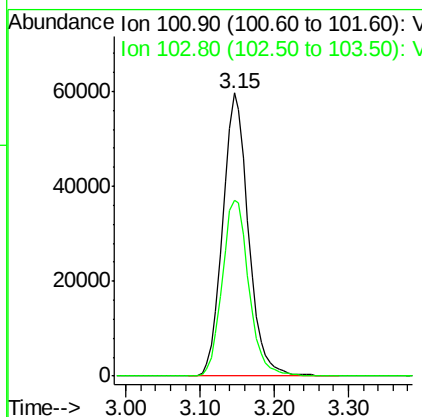
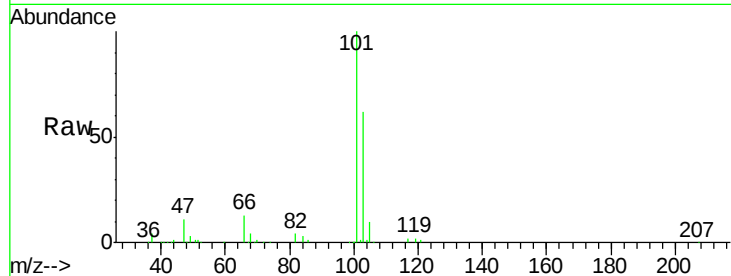
Trichlorofluoromethane
 Concen: 42.061 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.9	76.3

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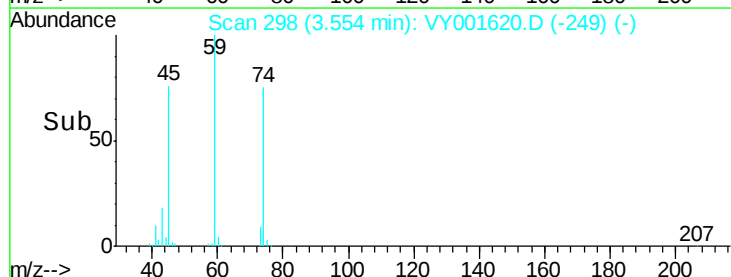
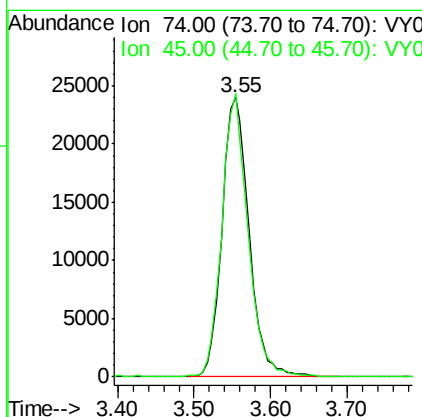
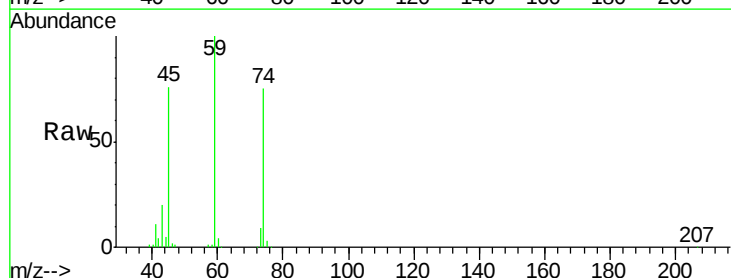
MMDadoda
 2/13/2020 12:28:04 PM

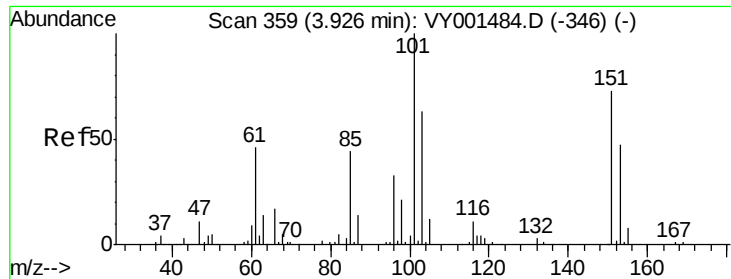


#8

Diethyl Ether
 Concen: 50.871 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.471 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

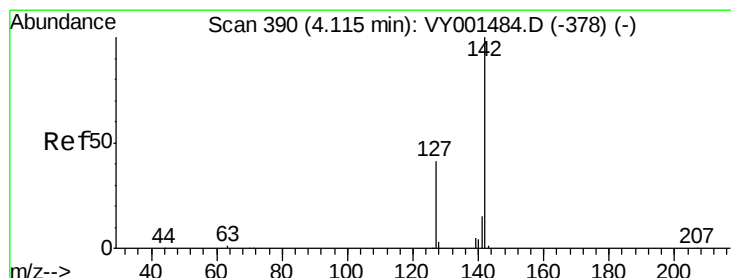
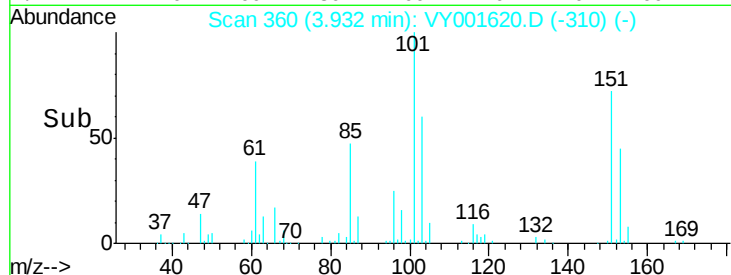
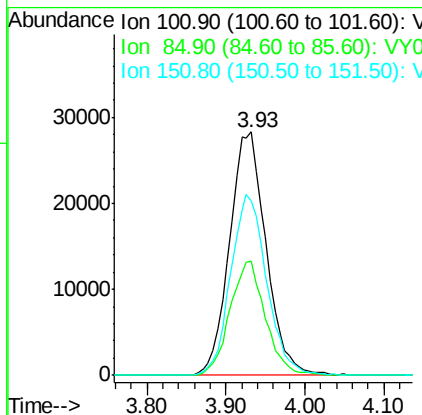
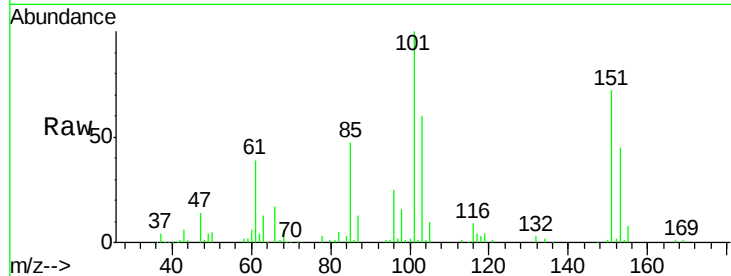
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	91205
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.6	51.8
151	73.5	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 42.455 ug/l

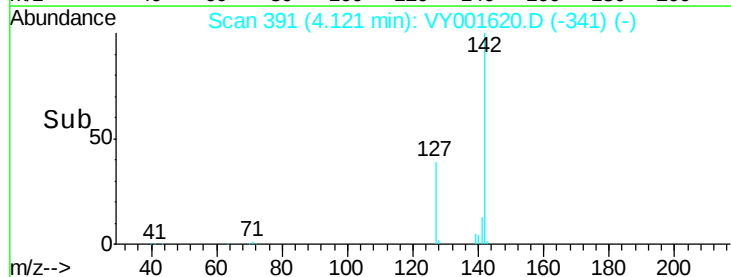
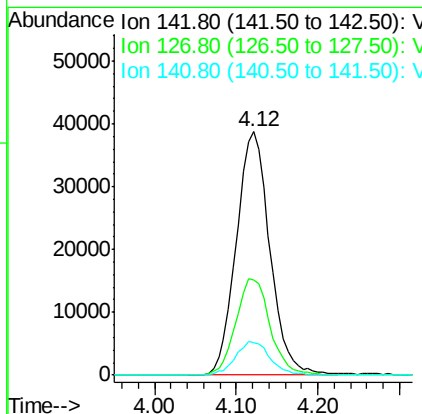
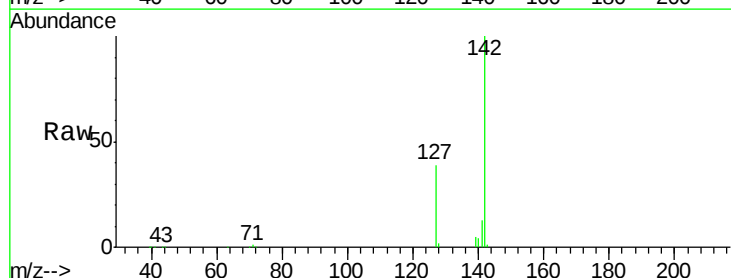
RT: 4.12 min Scan# 391

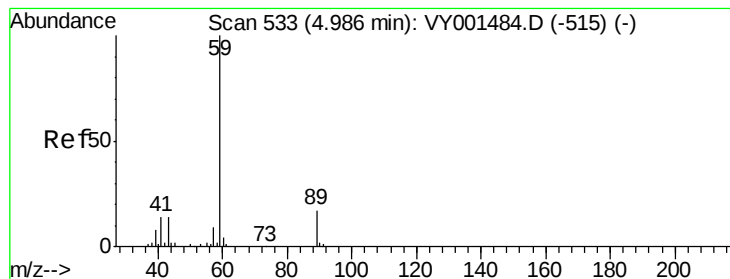
Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	142	Resp:	110944
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.3	49.9
141	14.1	11.5	17.3





#11

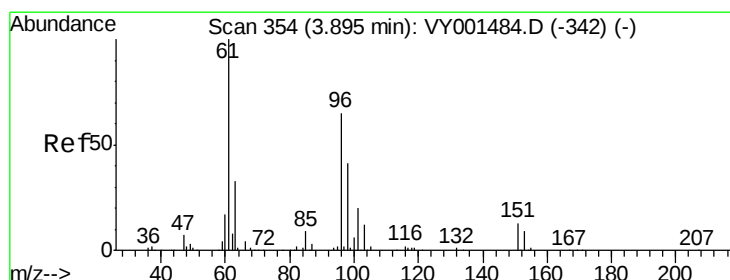
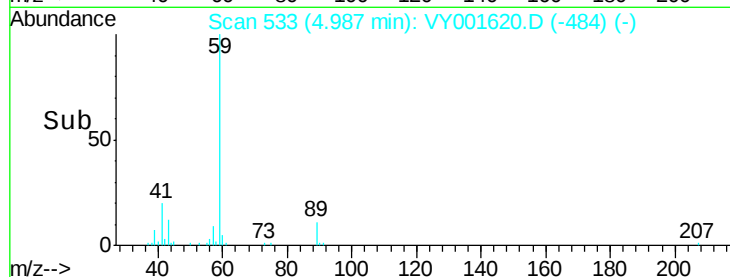
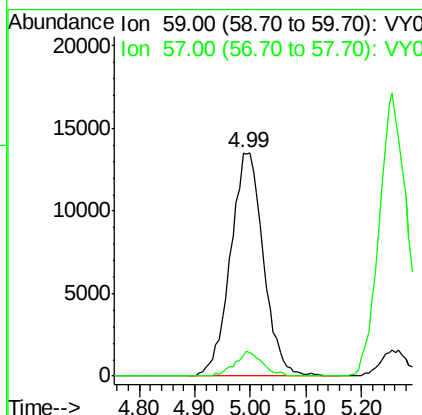
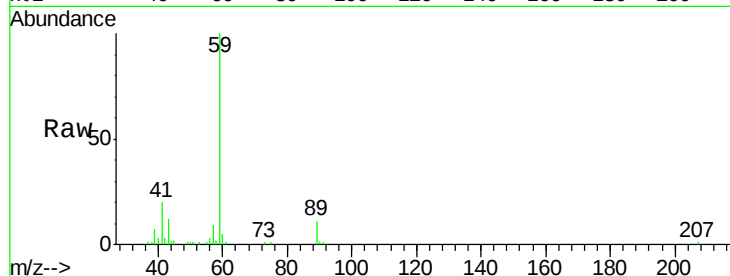
Tert butyl alcohol
Concen: 253.725 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	55576
Ion Ratio	100	Lower	Upper
57	9.3	7.0	10.6

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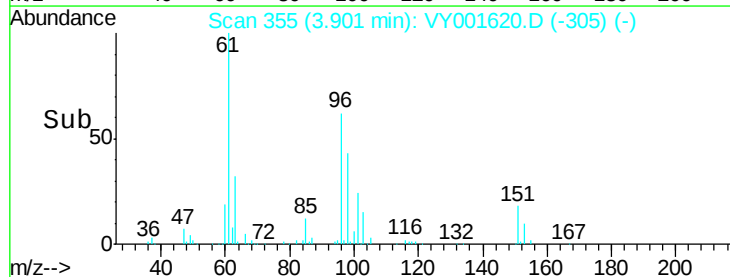
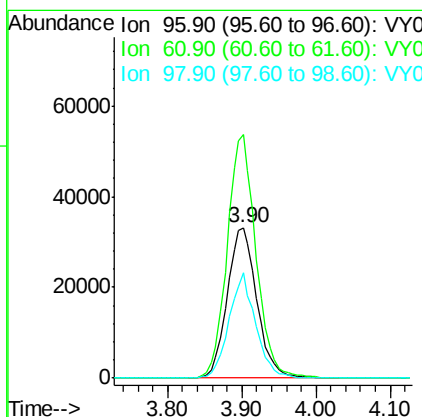
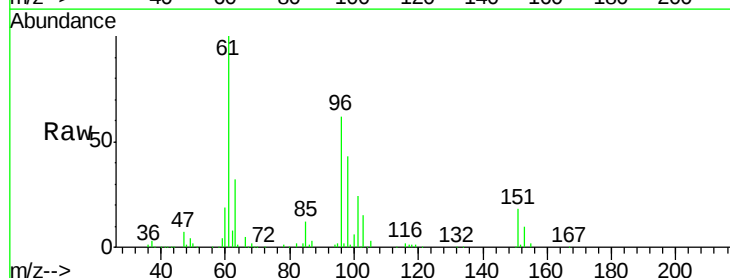
MMDadoda
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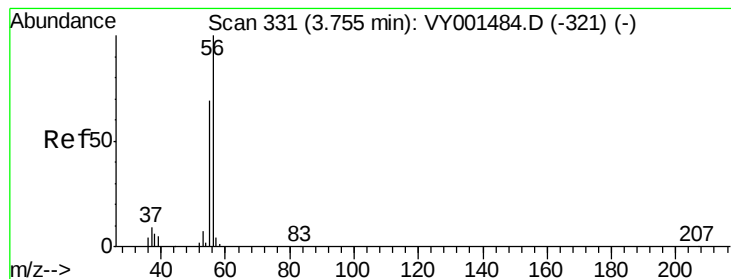


#12

1,1-Dichloroethene
Concen: 45.247 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	96	Resp	92214
Ion Ratio	100	Lower	Upper
61	161.9	122.3	183.5
98	70.2	49.7	74.5





#13

Acrolein

Concen: 248.114 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45853

Ion Ratio Lower Upper

56 100

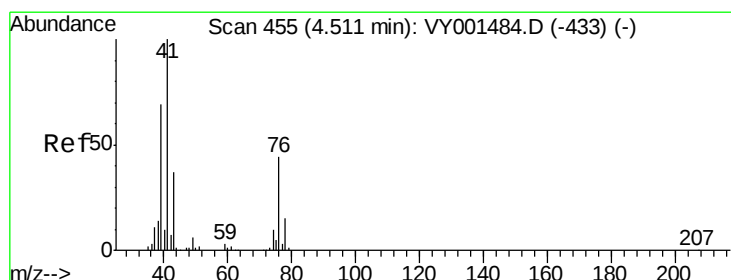
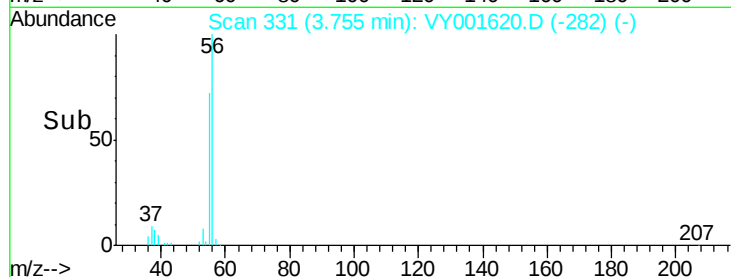
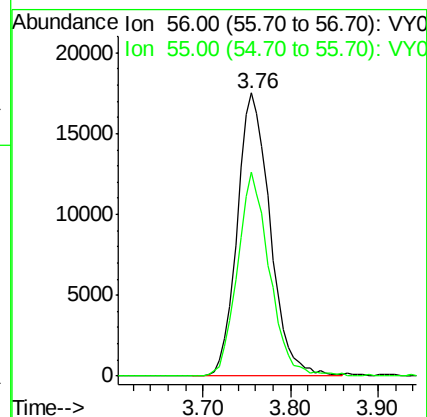
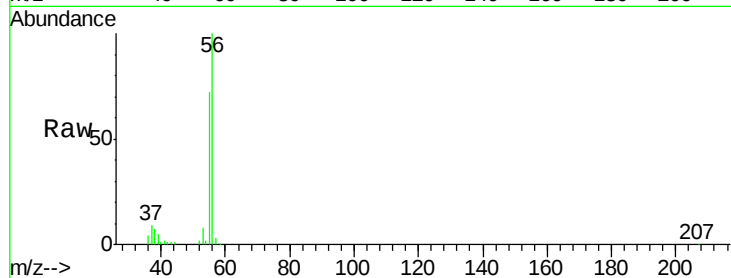
55 70.3 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 52.969 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

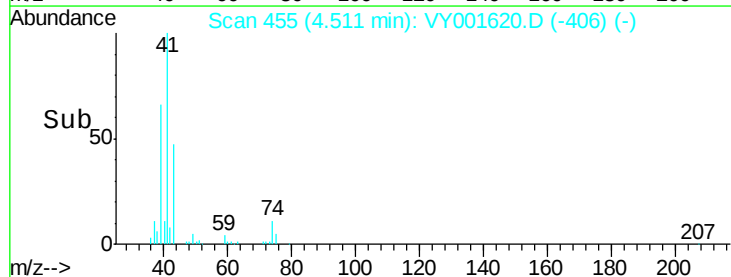
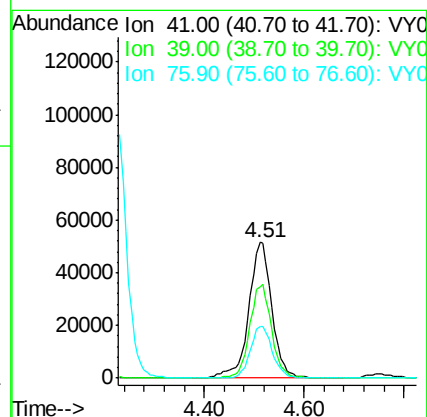
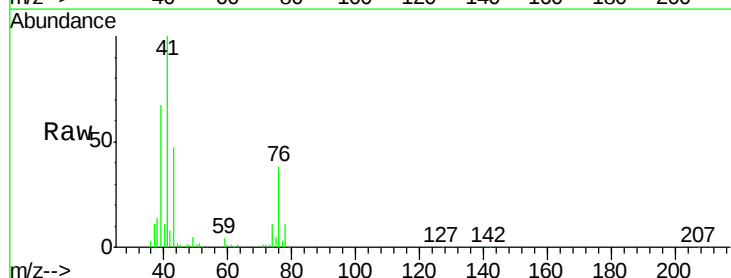
Tgt Ion: 41 Resp: 165141

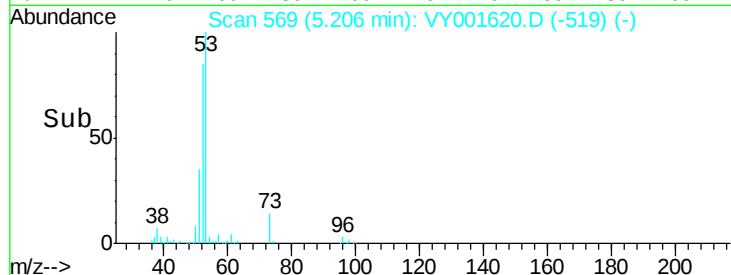
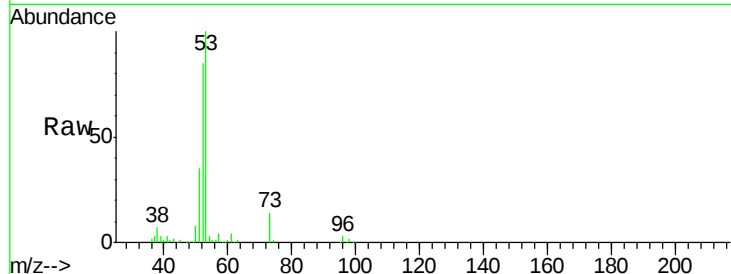
Ion Ratio Lower Upper

41 100

39 65.4 53.0 79.6

76 36.2 32.6 48.8





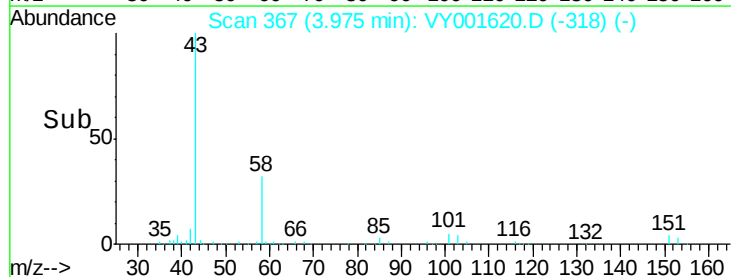
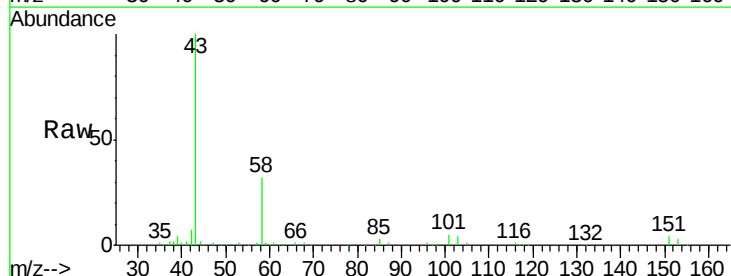
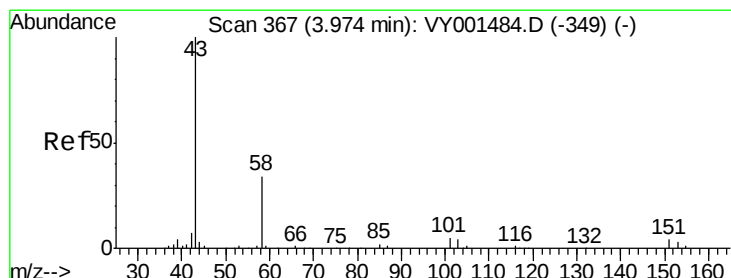
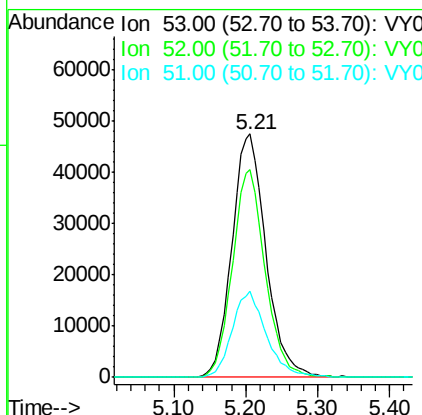
#15
 Acrylonitrile
 Concen: 294.798 ug/l
 RT: 5.21 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tot Ion:	53	Resp:	155450
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.4	98.2
51	35.6	29.0	43.4

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

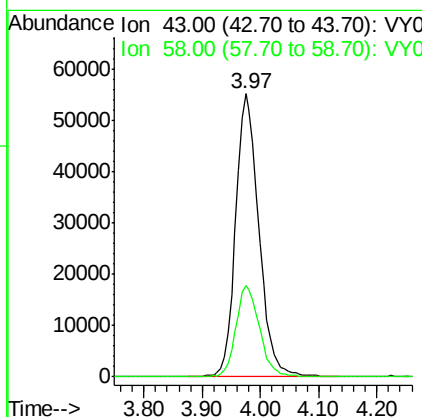
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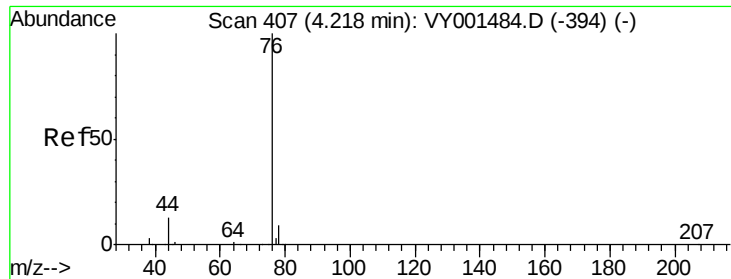
MMDadoda
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#16
 Acetone
 Concen: 270.990 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion:	43	Resp:	152990
Ion Ratio	Lower	Upper	
43	100		
58	32.2	27.5	41.3





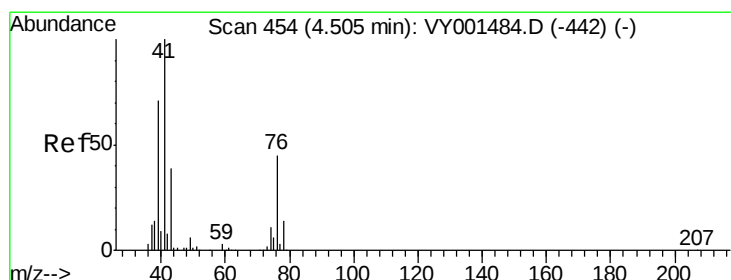
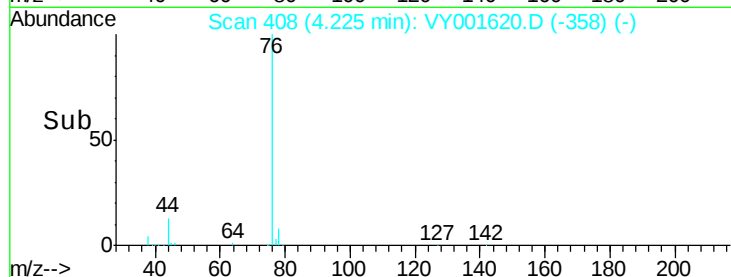
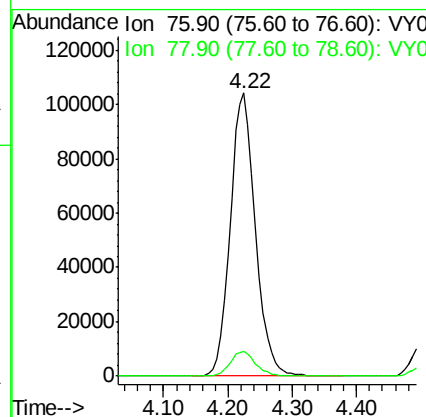
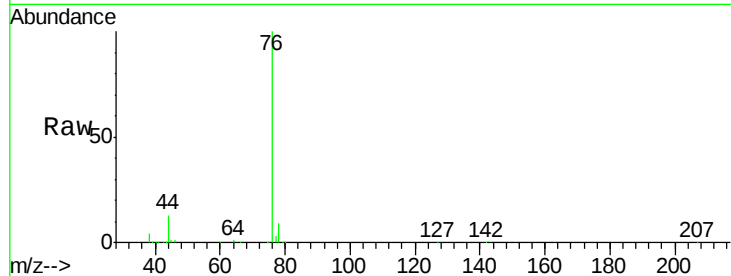
#17
Carbon Disulfide
Concen: 43.981 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	285345		
78	8.9		7.0	10.6

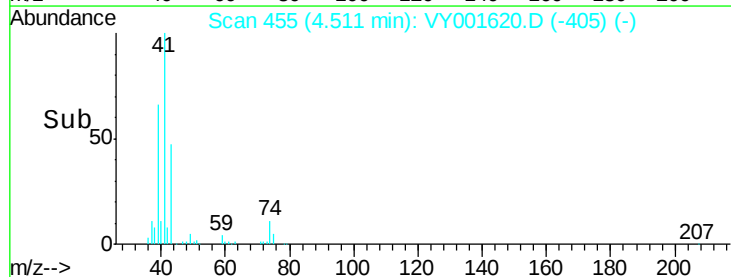
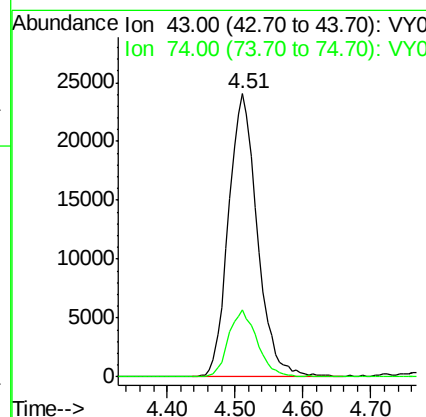
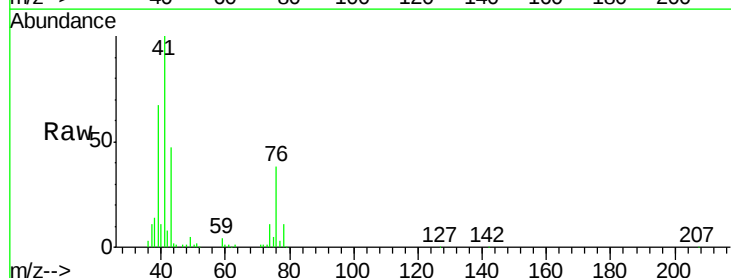
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#18
Methyl Acetate
Concen: 58.761 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	70793		
74	23.5		21.0	31.6





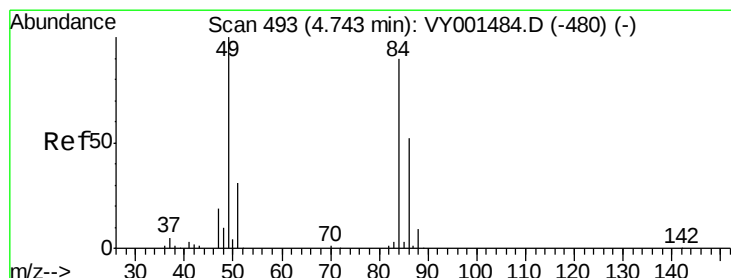
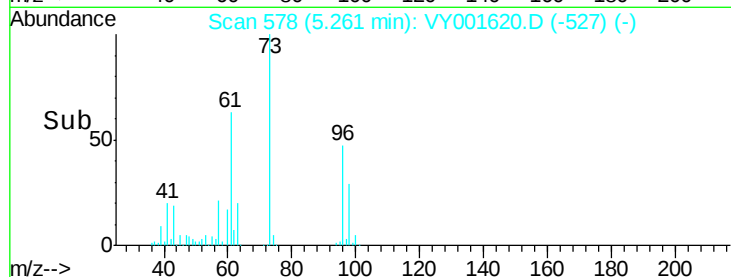
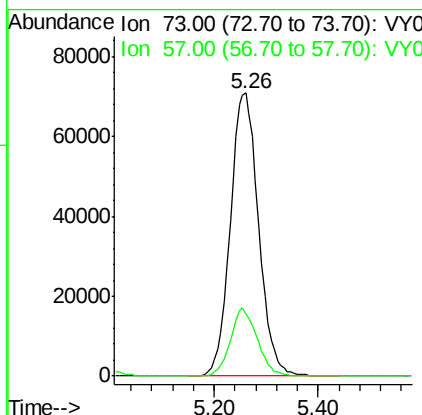
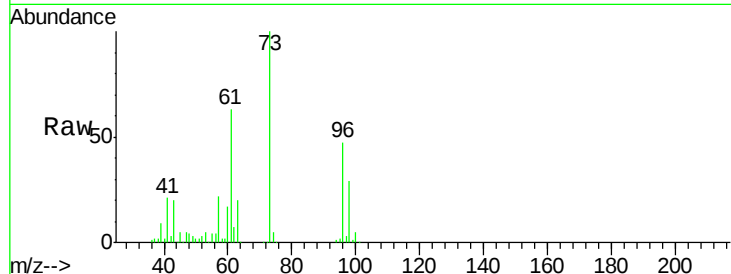
#19
Methvl tert-butvl Ether
Concen: 49.484 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

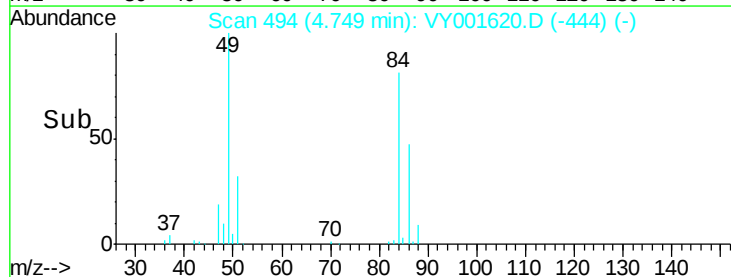
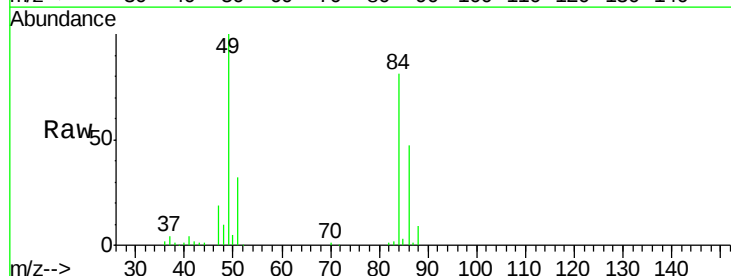
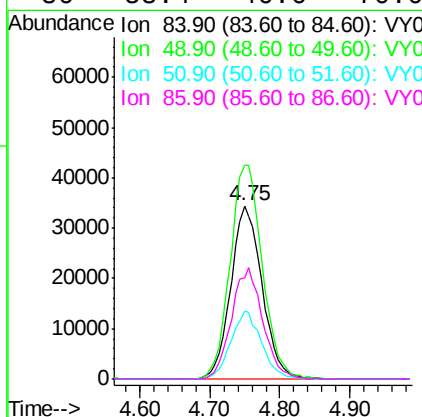
Manual Integrations
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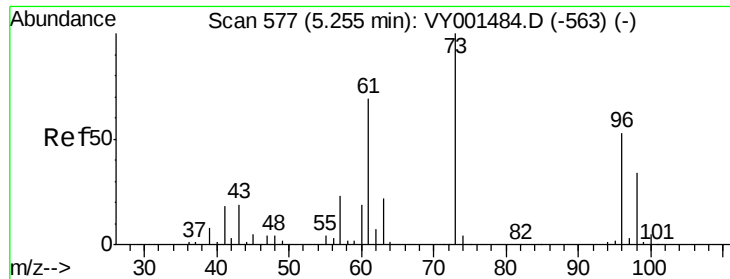
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#20
Methylene Chloride
Concen: 48.140 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	89.0	133.6
51	39.2	27.4	41.2
86	58.4	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 45.926 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 104051

Ion Ratio Lower Upper

96 100

61 134.7 104.2 156.4

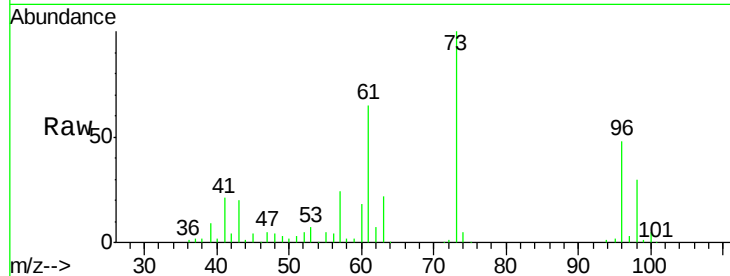
98 61.7 51.4 77.0

Manual Integrations

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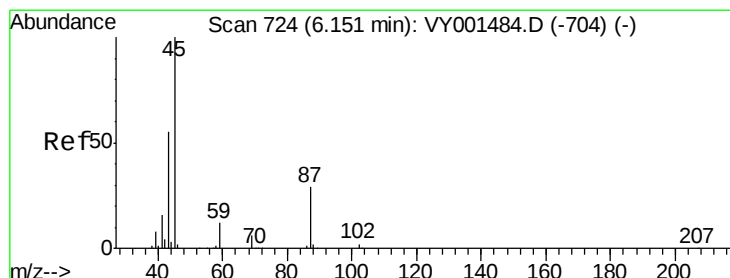
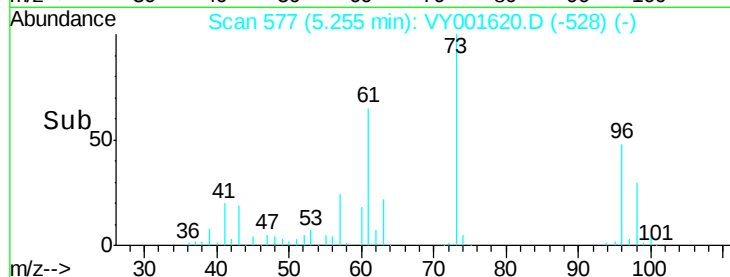
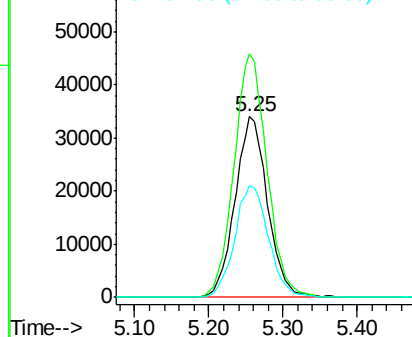


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 56.690 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion: 45 Resp: 350163

Ion Ratio Lower Upper

45 100

43 61.6 44.2 66.4

87 25.1 23.9 35.9

59 11.1 10.2 15.2

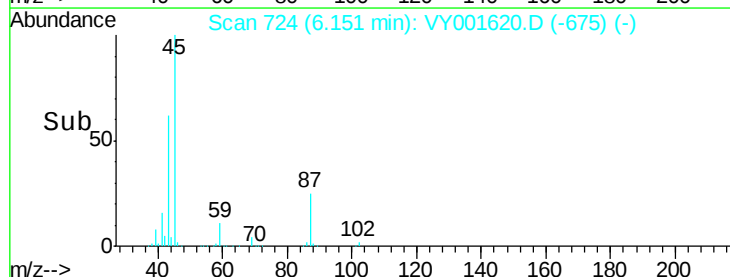
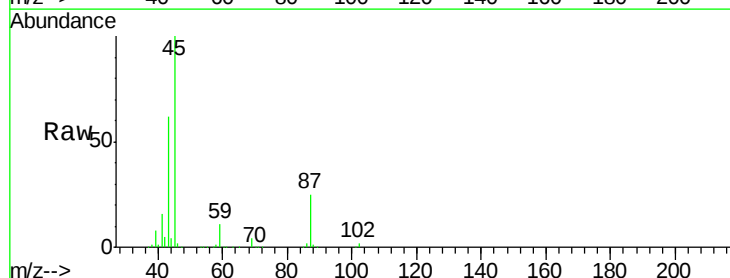
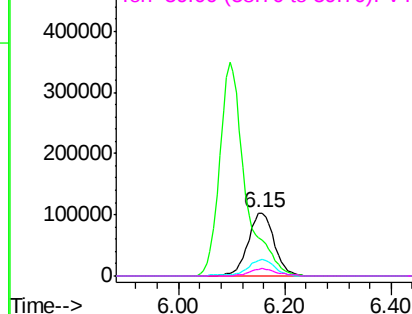
Abundance

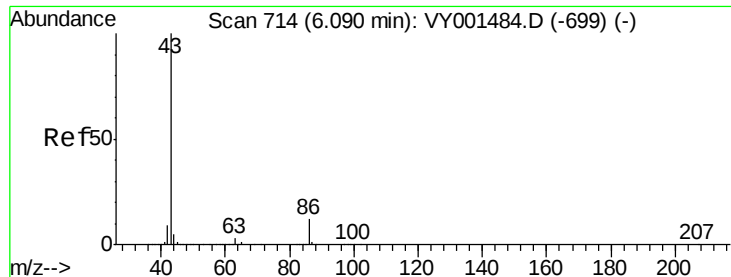
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 296.246 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1164871

Ion Ratio Lower Upper

43 100

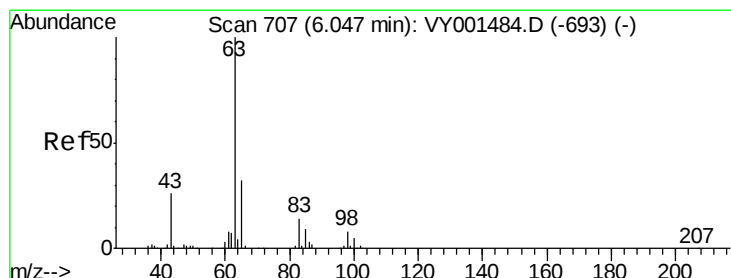
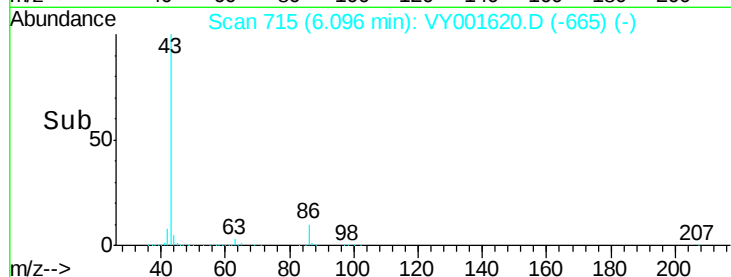
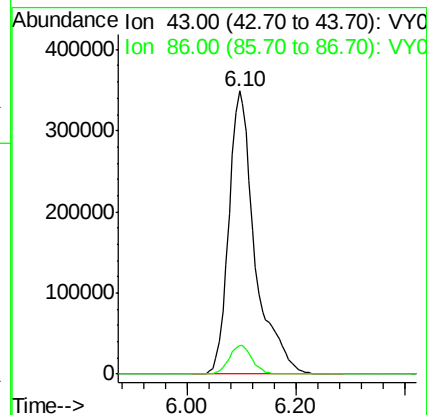
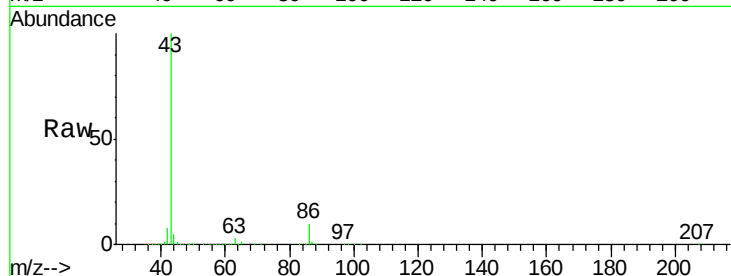
86 10.2 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.187 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

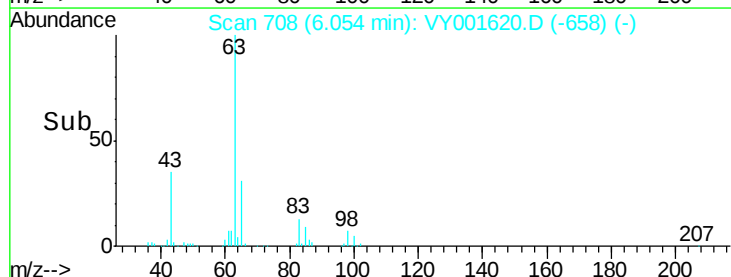
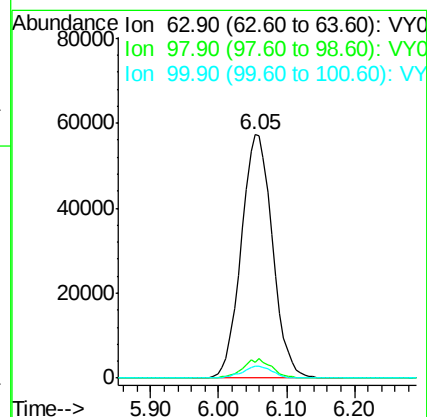
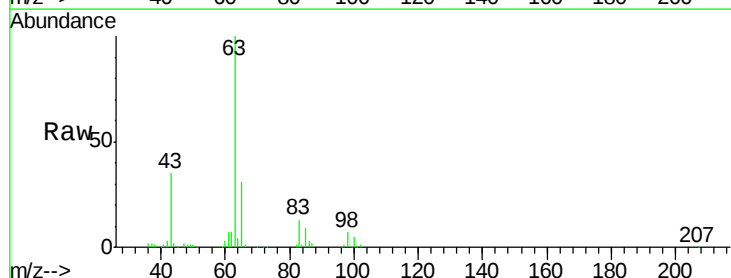
Tgt Ion: 63 Resp: 182746

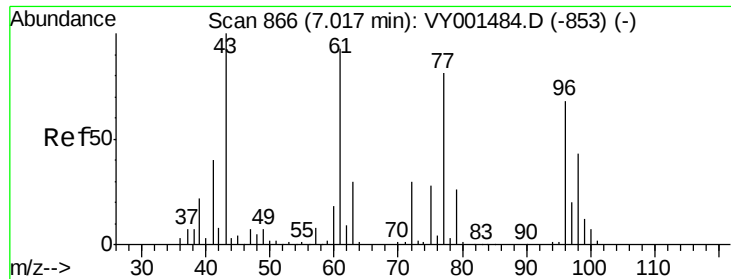
Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

100 4.8 2.6 8.0





#25

2-Butanone

Concen: 300.019 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 219742

Ion Ratio Lower Upper

43 100

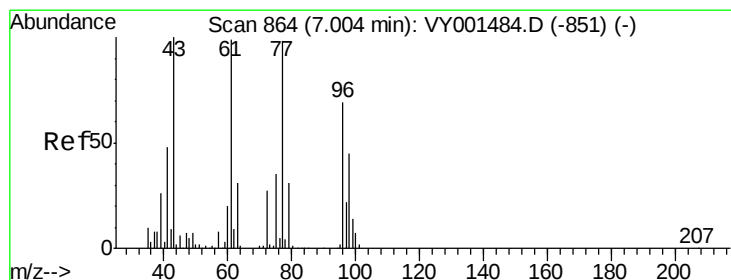
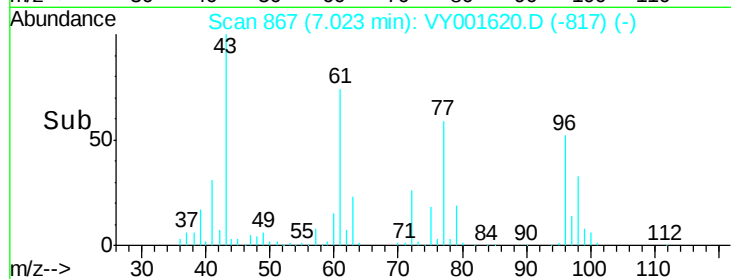
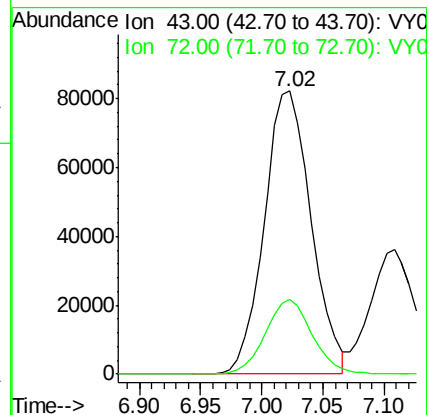
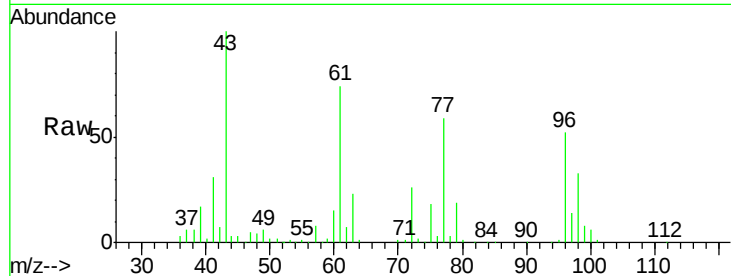
72 26.5 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.978 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001620.D

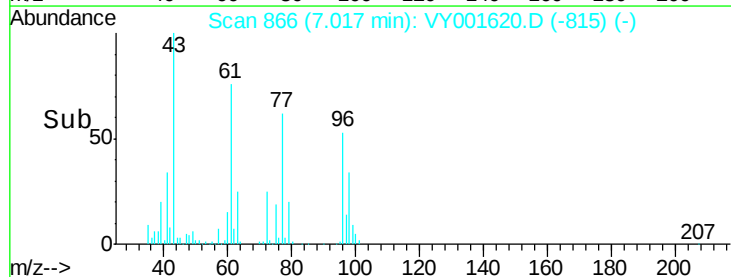
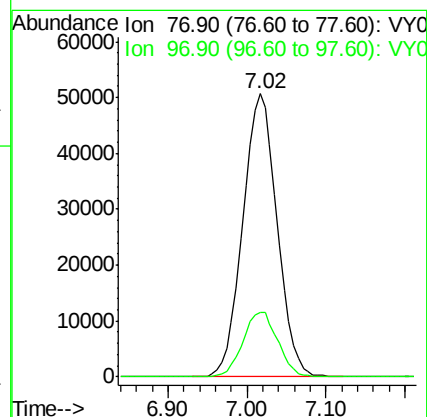
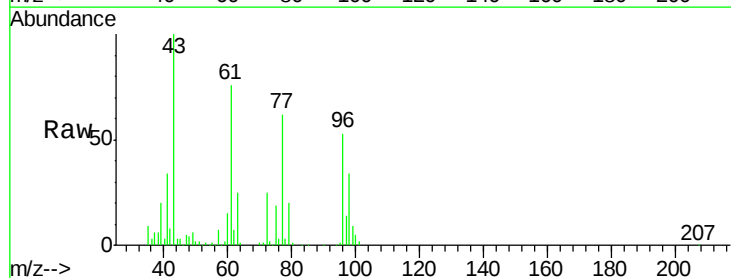
Acq: 12 Feb 2020 19:03

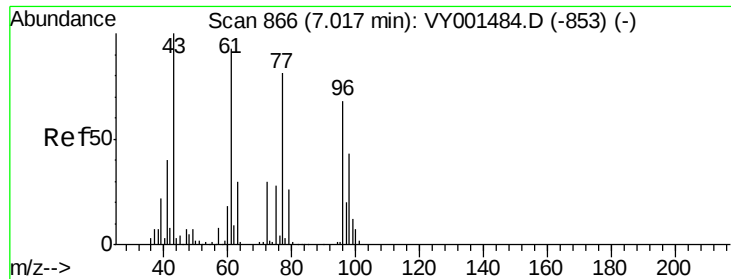
Tgt Ion: 77 Resp: 152819

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

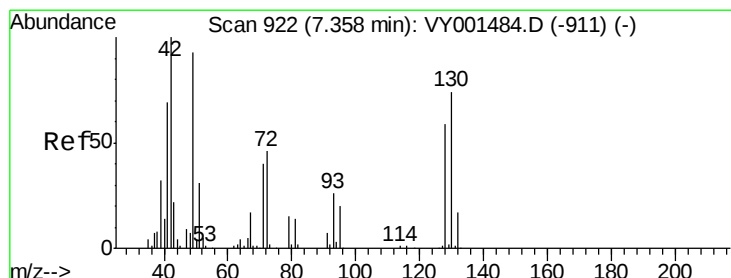
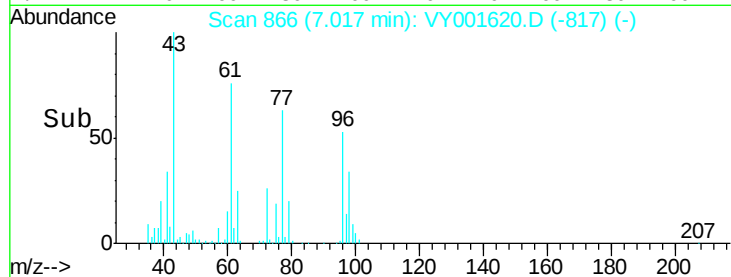
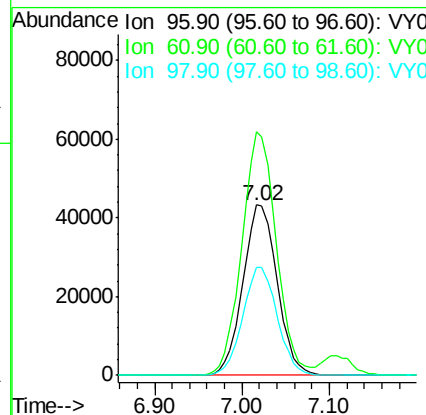
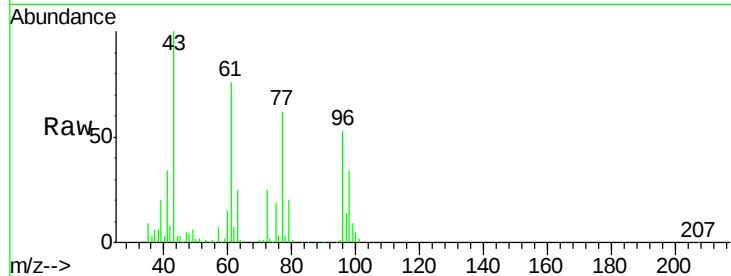
cis-1,2-Dichloroethene
Concen: 47.731 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118115		
61	143.6	0.0	278.8	
98	63.7	0.0	128.8	

Manual Integrations
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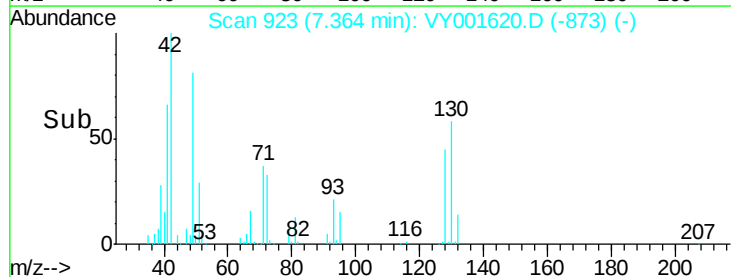
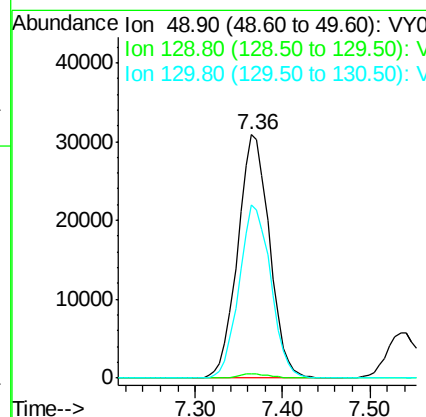
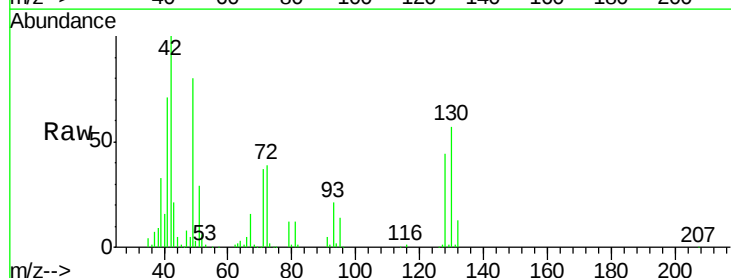
MMDadoda
2/13/2020 12:28:04 PM

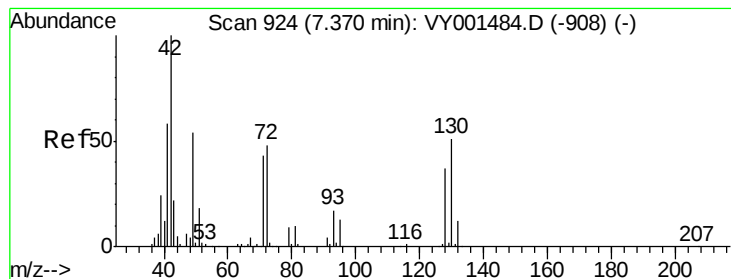


#28

Bromochloromethane
Concen: 61.702 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78095		
129	1.6	0.0	4.8	
130	70.7	65.4	98.2	





#29

Tetrahydrofuran

Concen: 320.166 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

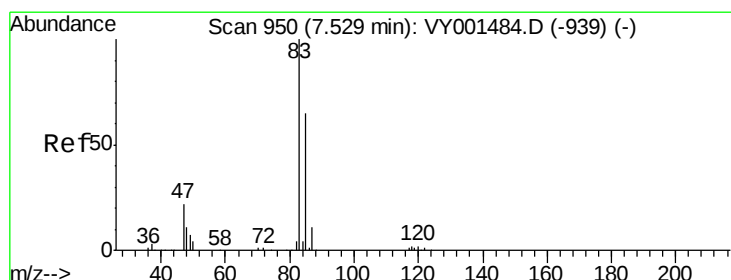
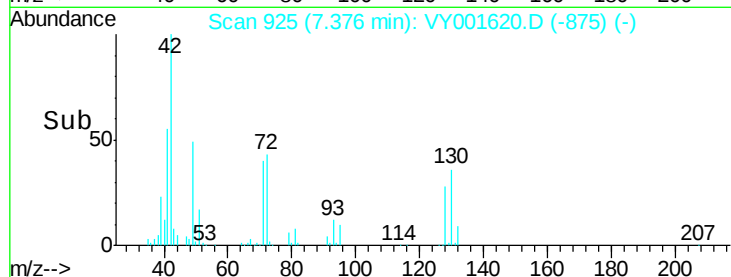
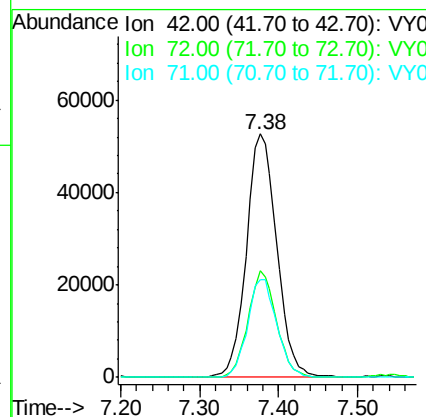
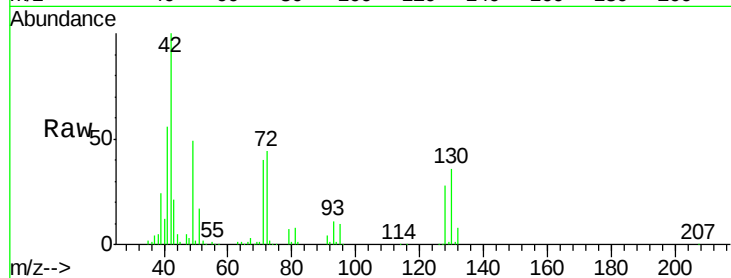
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	140551
Ion Ratio		Lower	Upper
42	100		
72	41.2	37.8	56.6
71	38.9	34.8	52.2

Manual Integrations
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#30

Chloroform

Concen: 47.922 ug/l

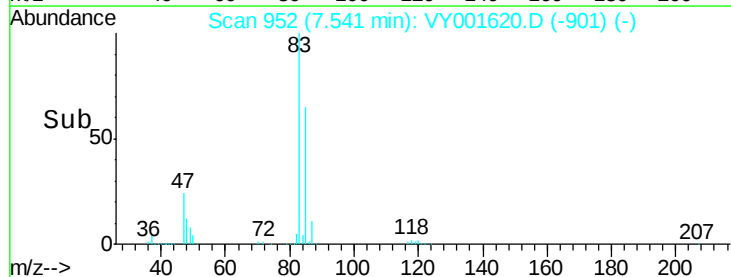
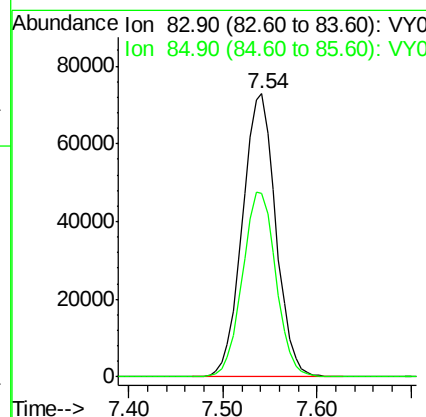
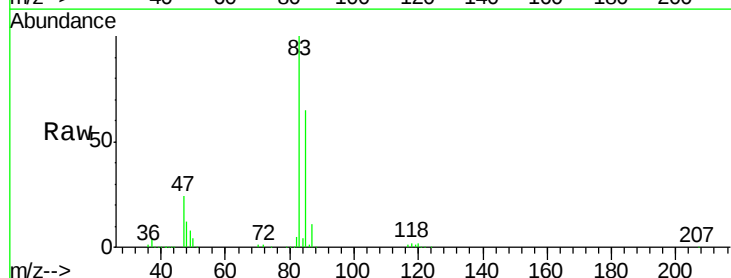
RT: 7.54 min Scan# 952

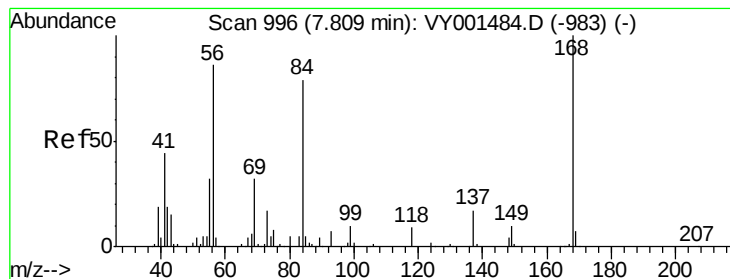
Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	83	Resp:	180349
Ion Ratio		Lower	Upper
83	100		
85	64.8	52.4	78.6





#31

Cyclohexane

Concen: 47.154 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

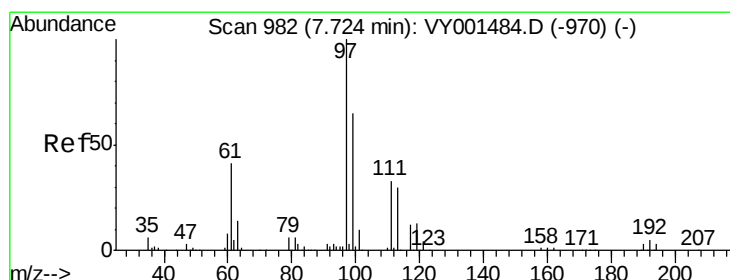
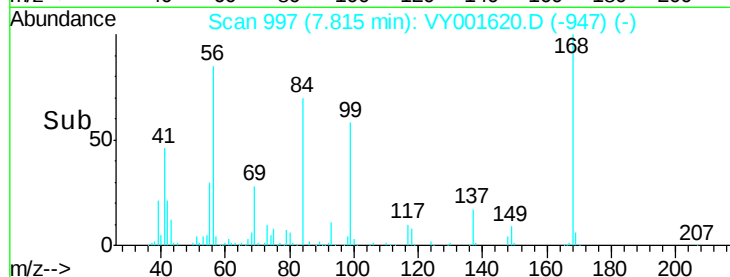
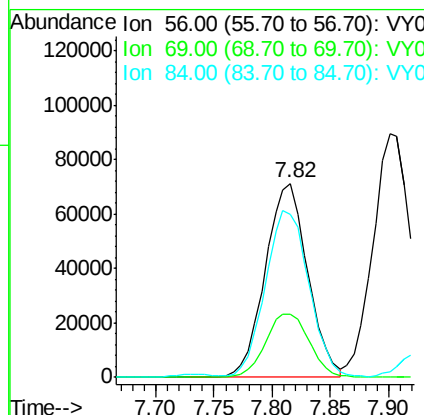
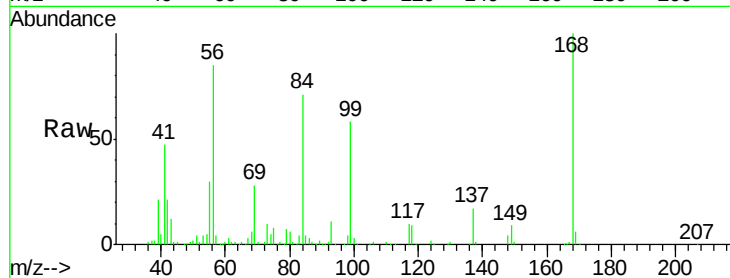
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	179206
Ion Ratio	Lower	Upper	
56	100		
69	32.6	29.6	44.4
84	82.8	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.647 ug/l

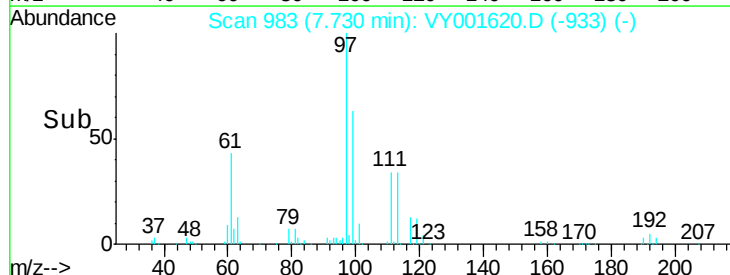
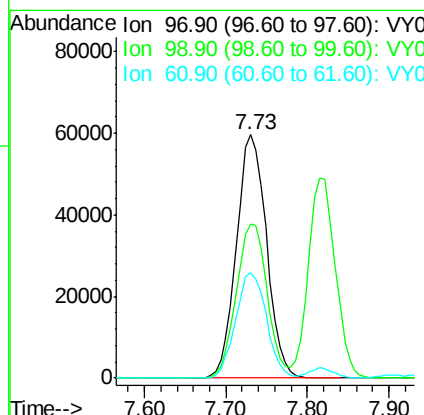
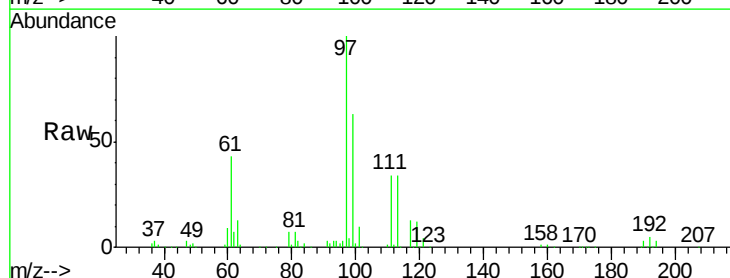
RT: 7.73 min Scan# 983

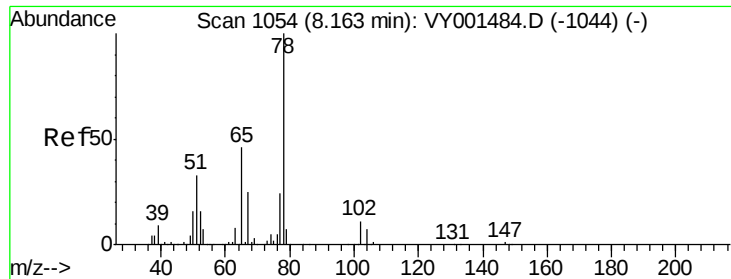
Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	97	Resp:	152339
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.8	77.8
61	44.4	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 52.636 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 102731

Ion Ratio Lower Upper

65 100

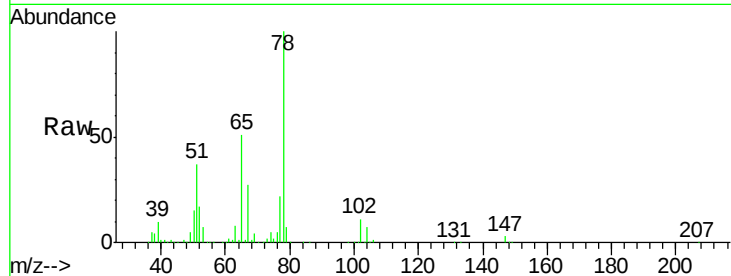
67 53.9 0.0 108.6

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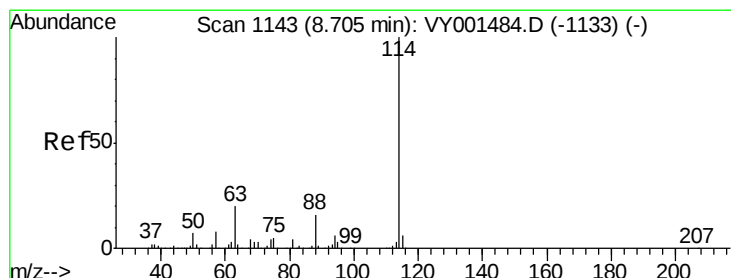
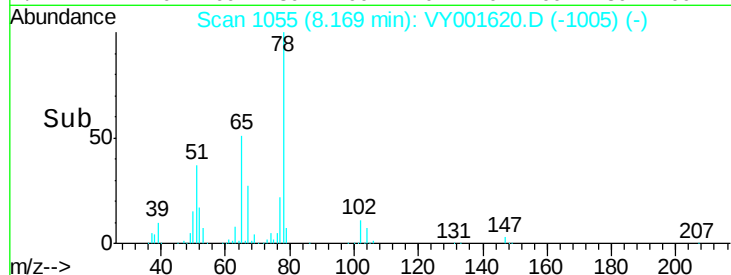
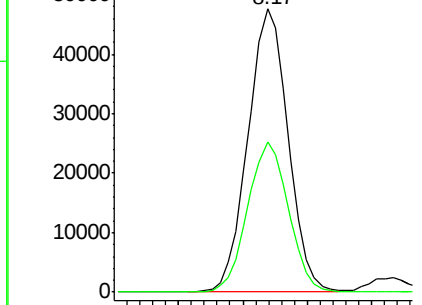
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

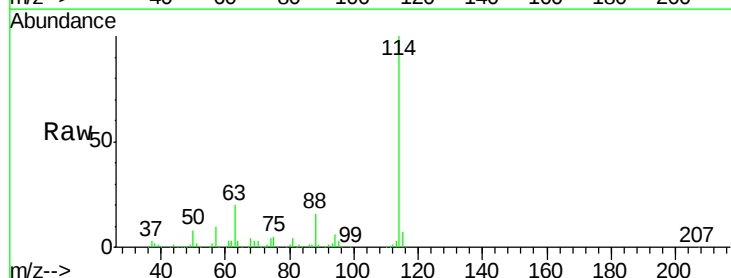
Tgt Ion: 114 Resp: 346307

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

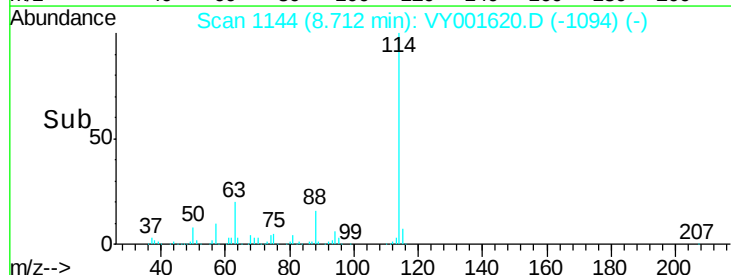
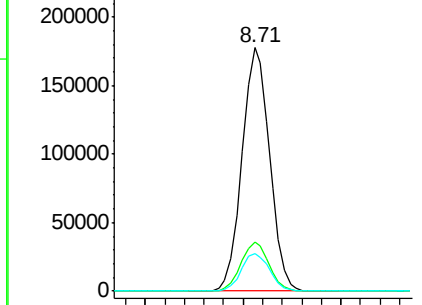
88 15.6 0.0 32.6

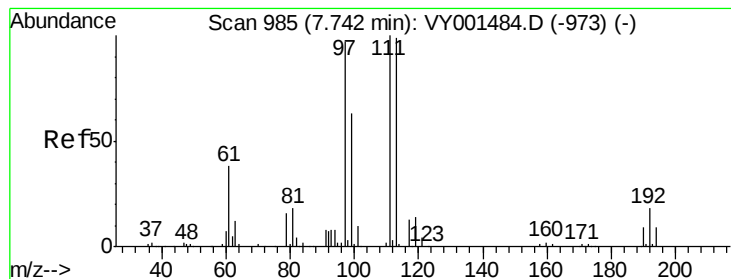


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 46.606 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 93071

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

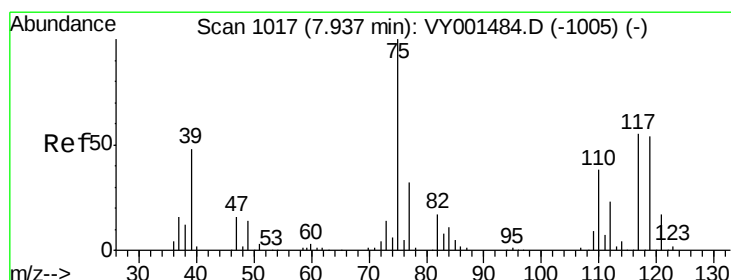
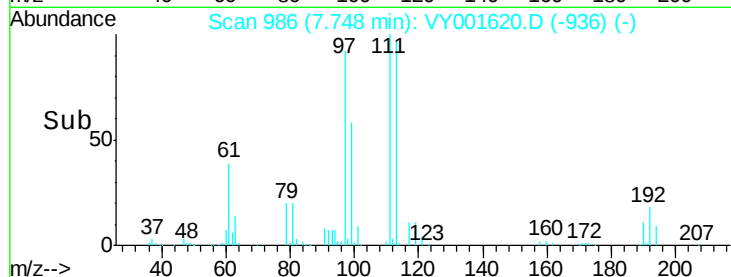
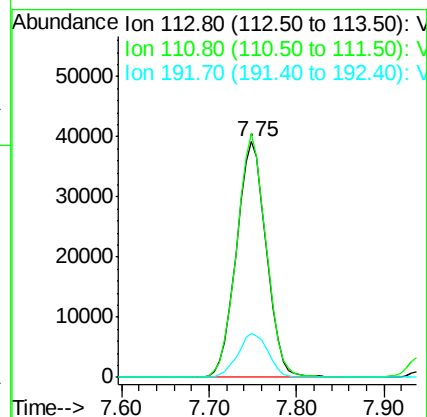
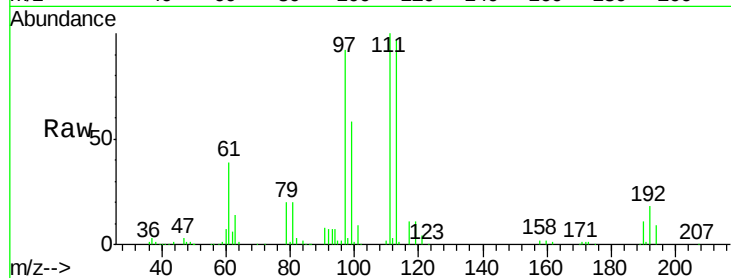
192 18.7 14.6 22.0

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 45.871 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

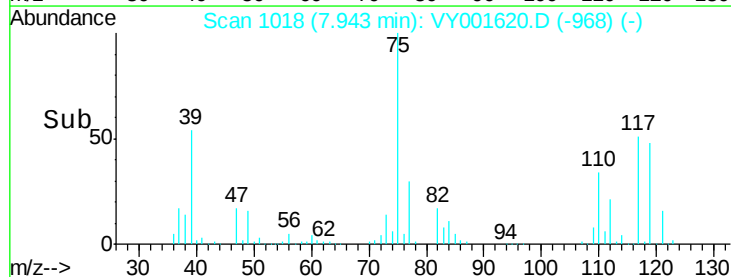
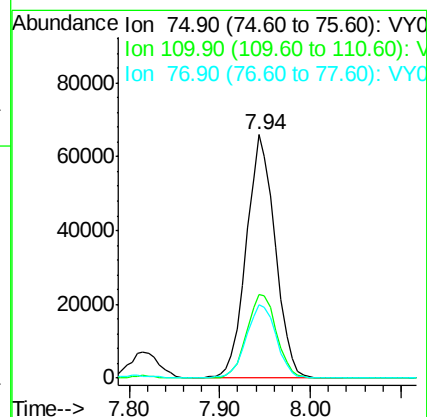
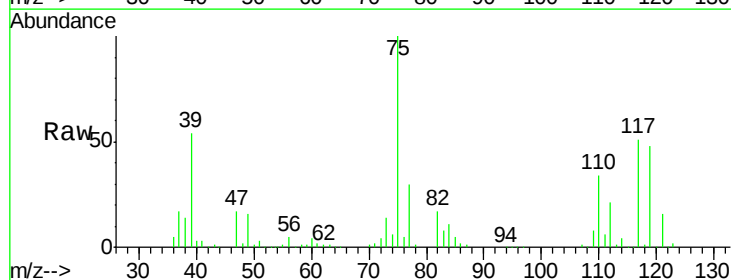
Tgt Ion: 75 Resp: 145321

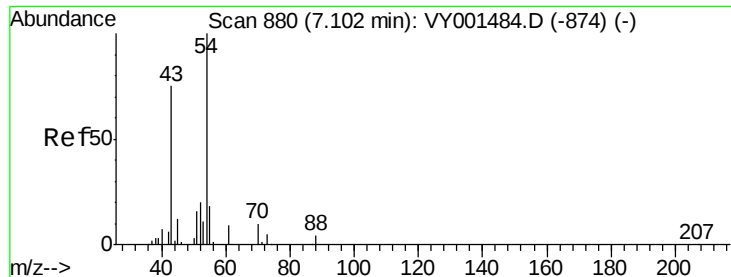
Ion Ratio Lower Upper

75 100

110 35.4 18.2 54.6

77 31.5 25.0 37.4





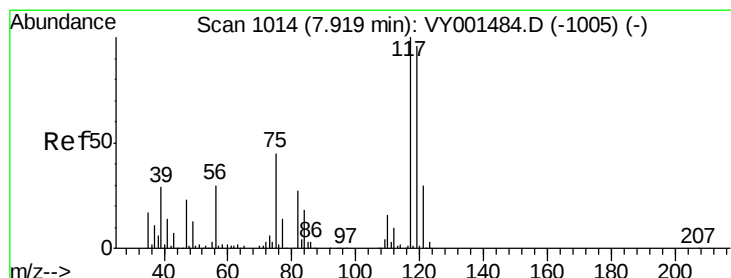
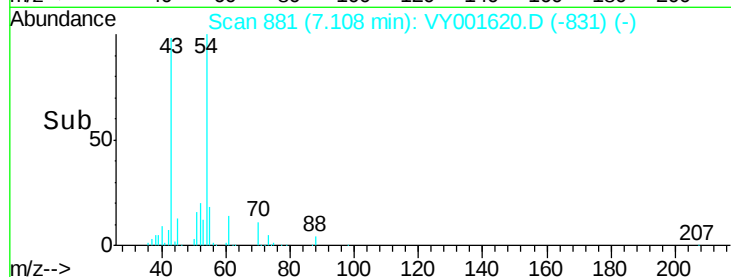
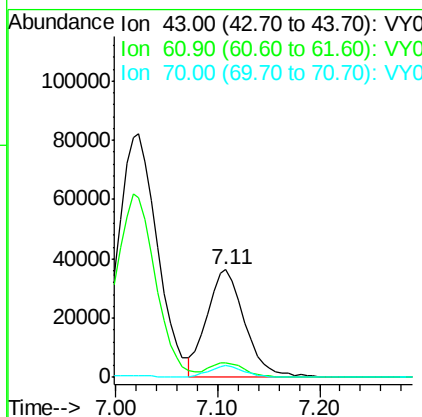
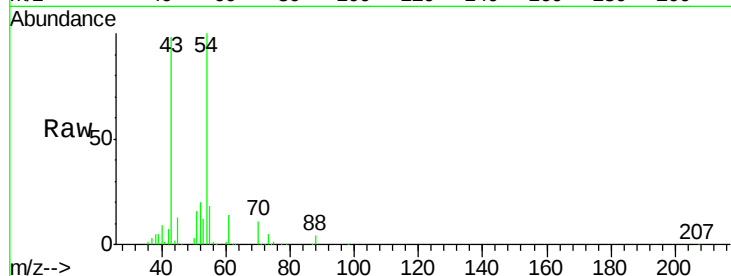
#37
Ethyl Acetate
Concen: 60.714 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.0	18.0
70	10.4	10.2	15.4

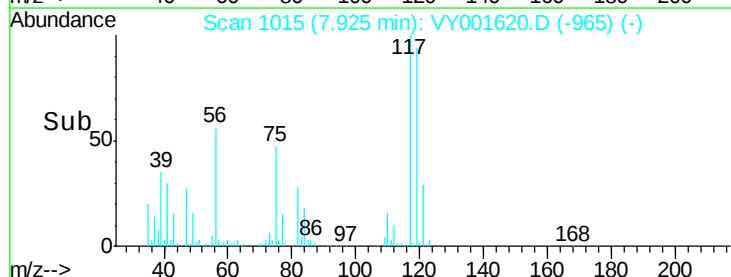
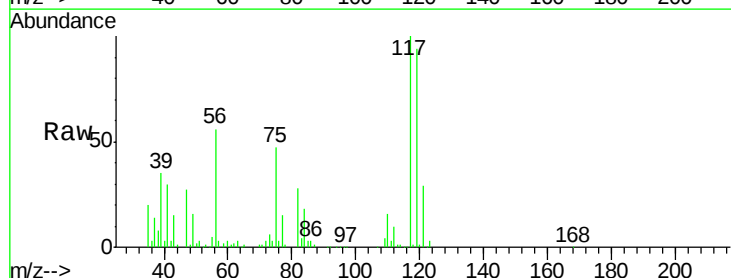
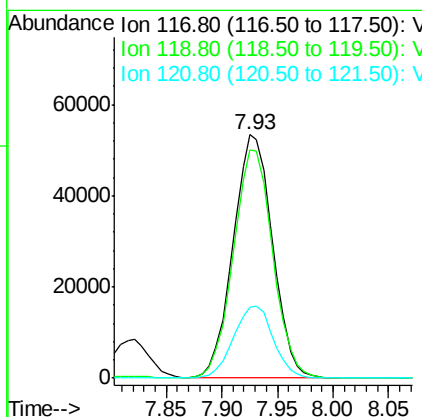
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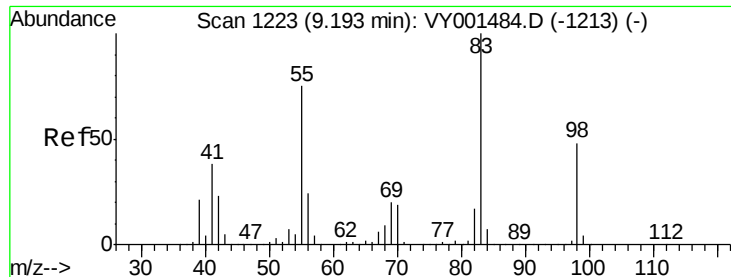
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#38
Carbon Tetrachloride
Concen: 42.786 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.4	114.6
121	28.9	24.2	36.4





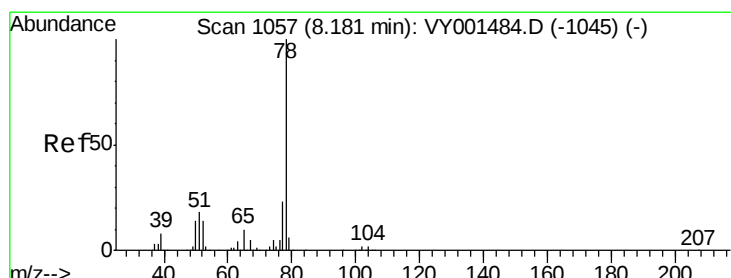
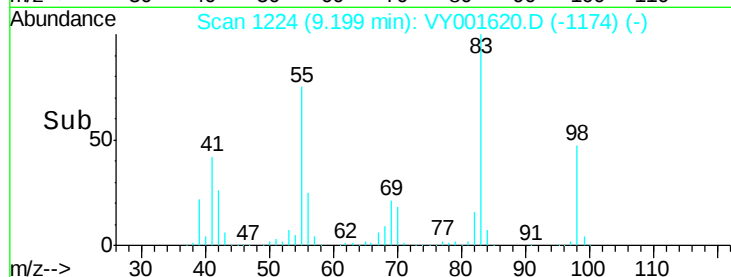
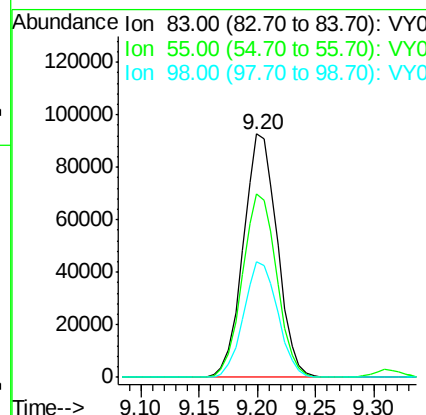
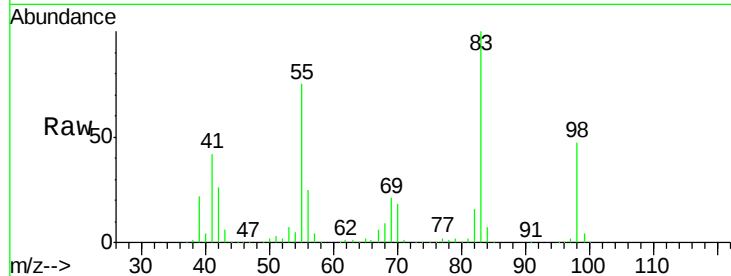
#39
Methvlcvclohexane
Concen: 45.148 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	188330
Ion Ratio	100	Lower	Upper
83	100		
55	75.2	59.8	89.6
98	47.4	38.6	57.8

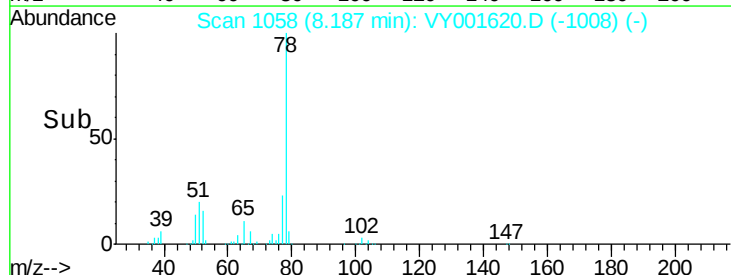
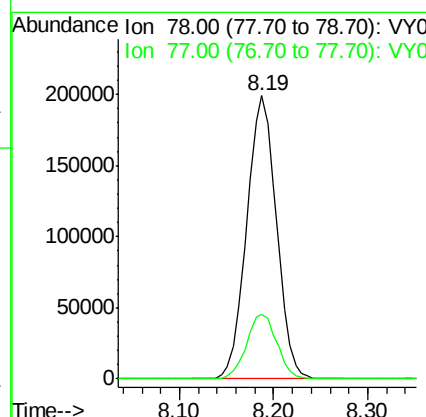
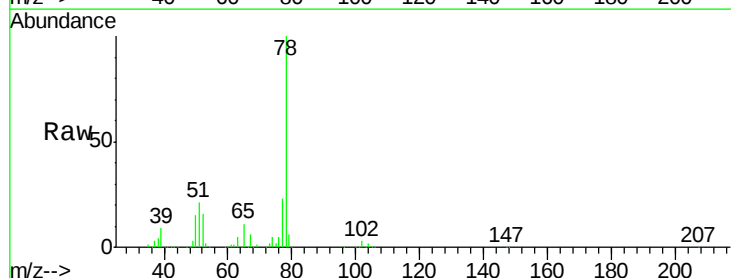
Manual Integrations
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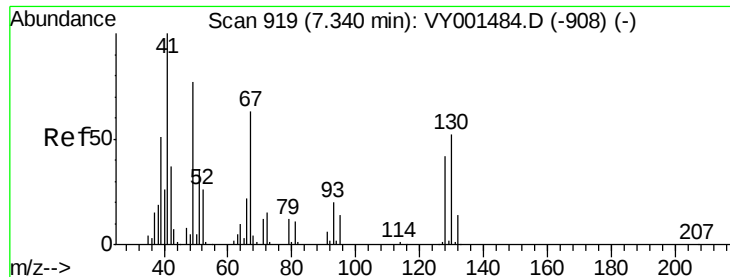
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#40
Benzene
Concen: 48.268 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	78	Resp	436160
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.5	27.7





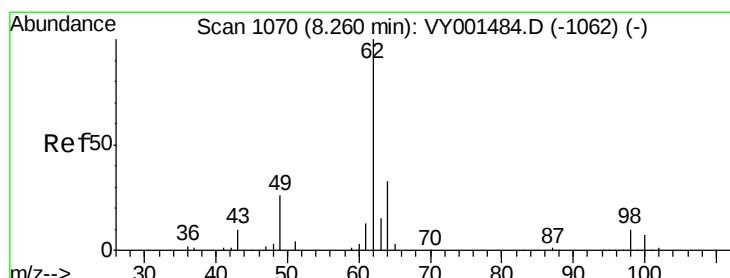
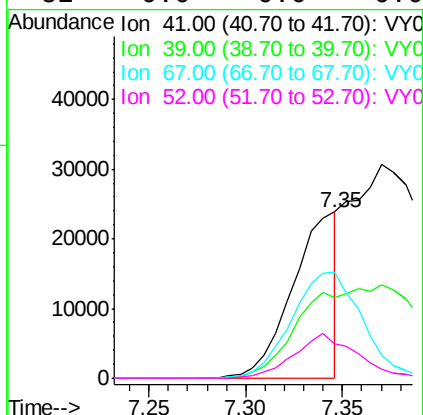
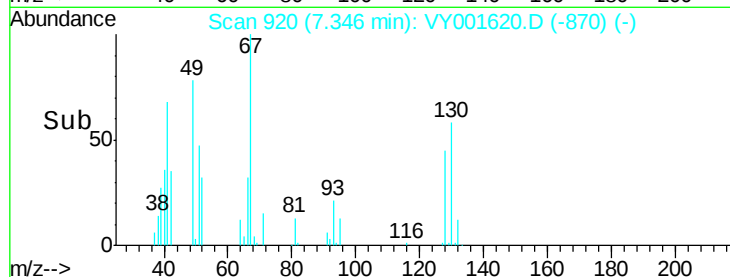
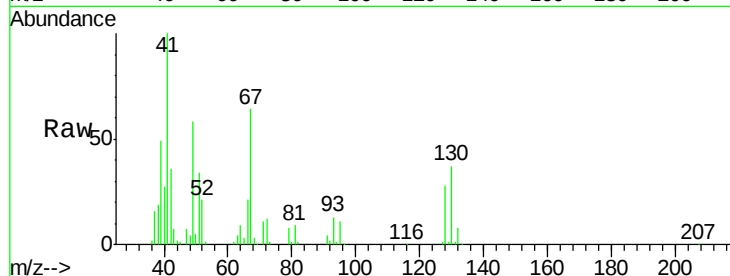
#41
Methacrylonitrile
Concen: 55.001 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	39094
Ion	Ratio	Lower	Upper
41	100		
39	149.4	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

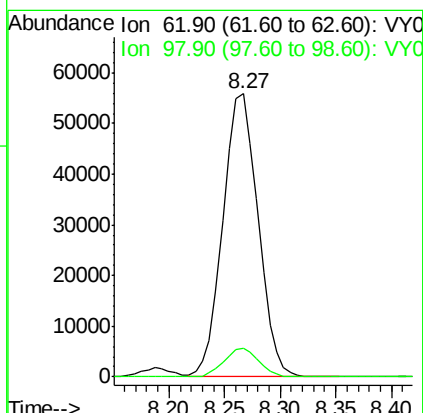
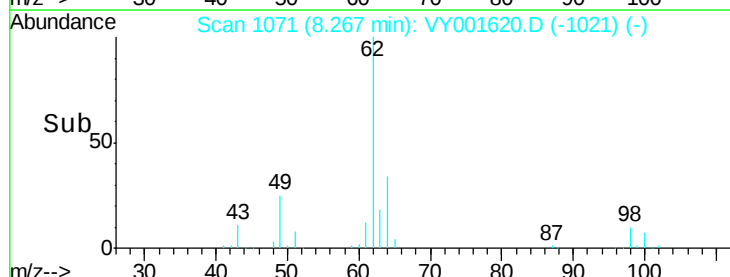
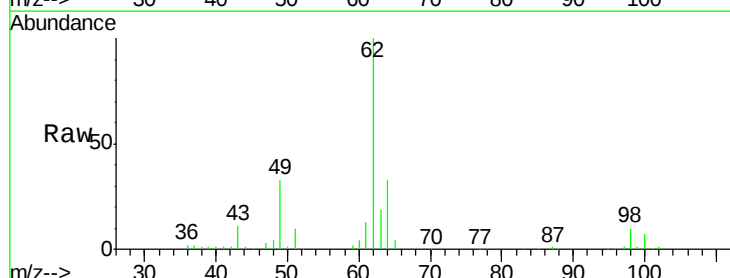
Manual Integrations
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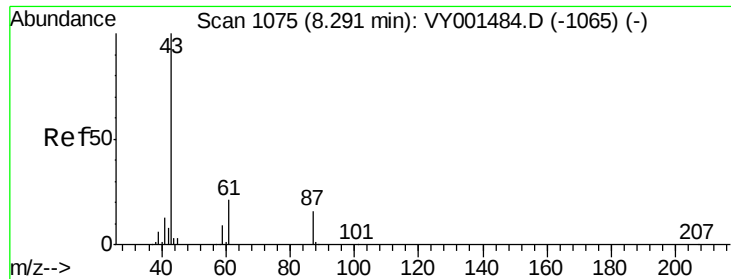
MMDadoda
2/13/2020 12:28:04 PM



#42
1,2-Dichloroethane
Concen: 48.783 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion:	62	Resp:	122812
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





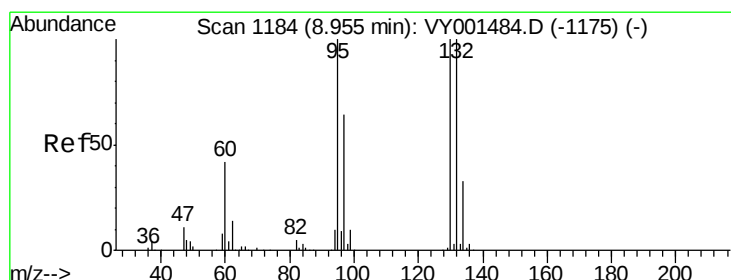
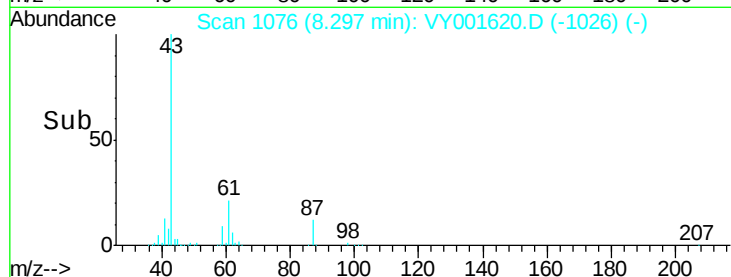
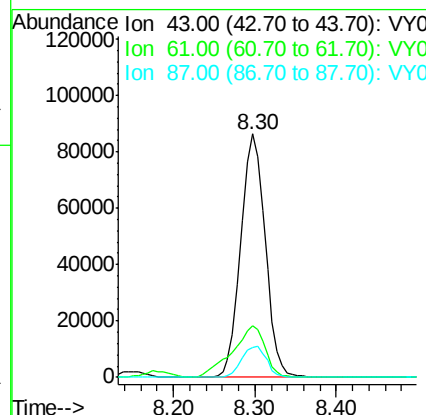
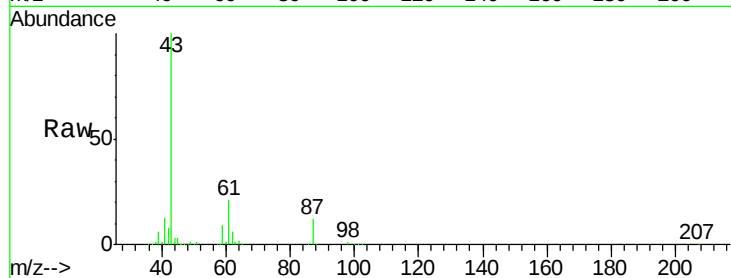
#43
Isopropyl Acetate
Concen: 58.943 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.1	37.7
87	13.0	12.6	19.0

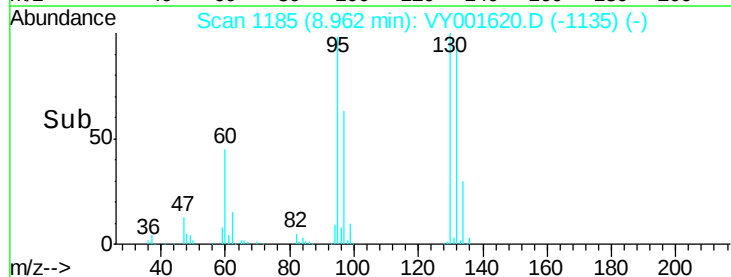
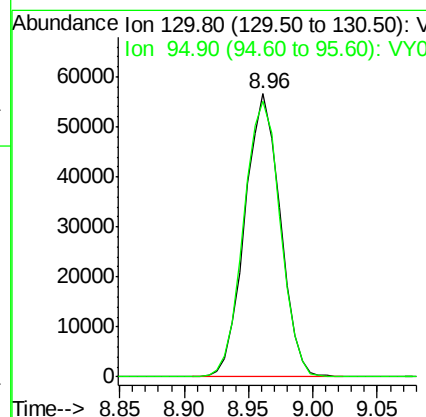
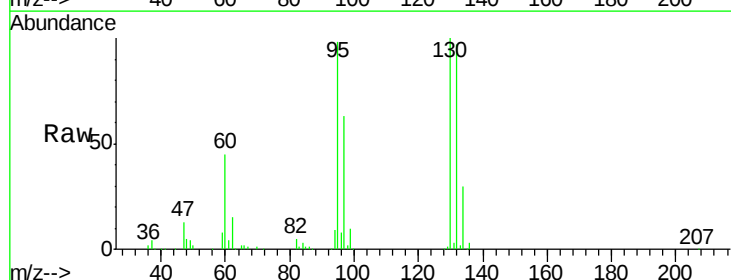
Manual Integrations
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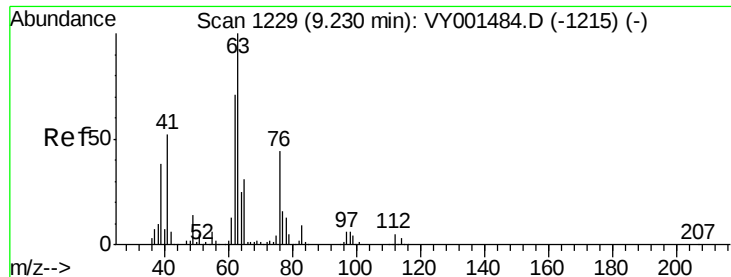
MMDadoda
2/13/2020 12:28:04 PM



#44
Trichloroethene
Concen: 44.099 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	199.2





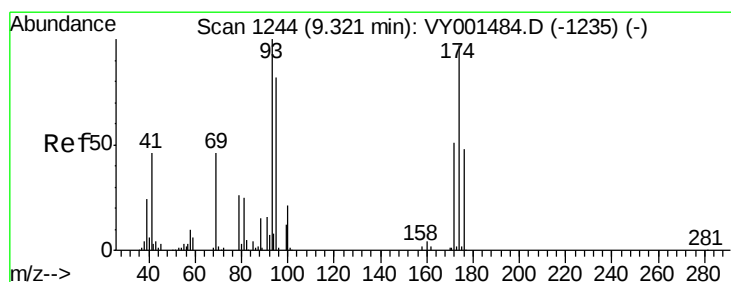
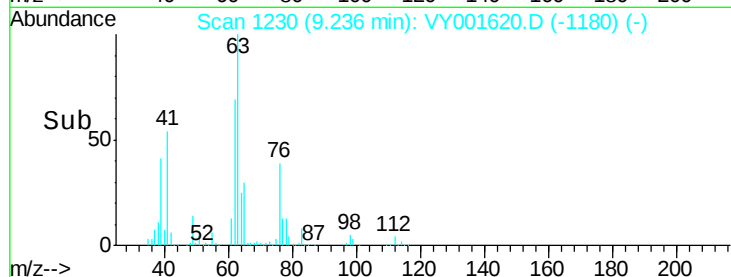
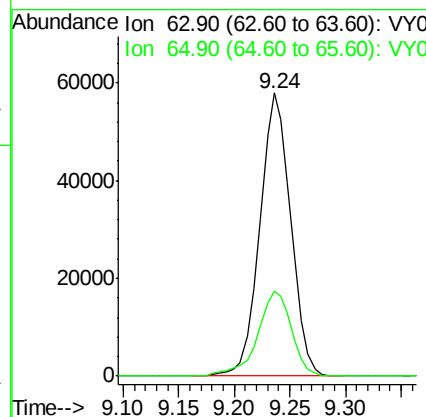
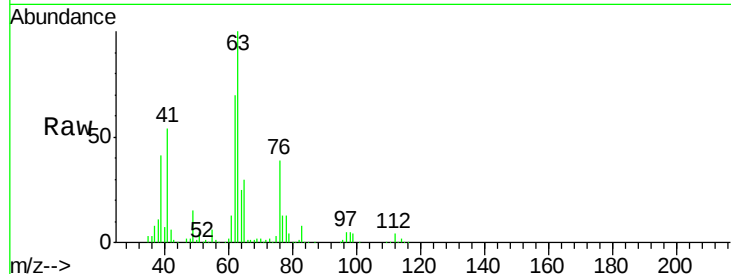
#45
 1,2-Dichloropropane
 Concen: 51.185 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 111687
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

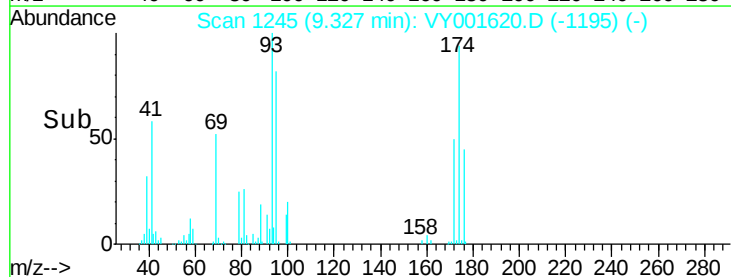
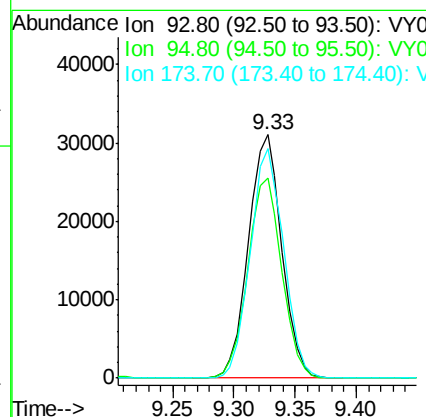
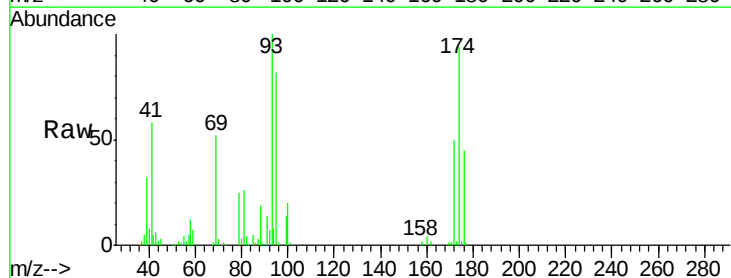
Manual Integrations
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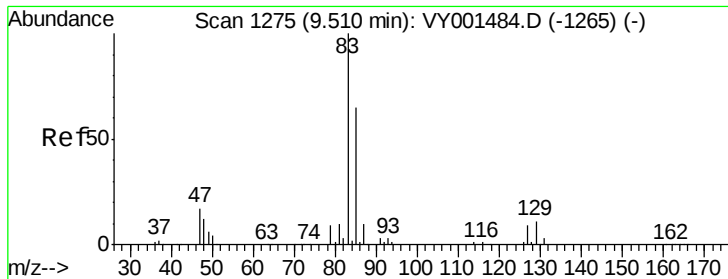
MMDadoda
 2/13/2020 12:28:04 PM



#46
 Dibromomethane
 Concen: 48.117 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion: 93 Resp: 58957
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 99.8
 174 94.6 75.4 113.2





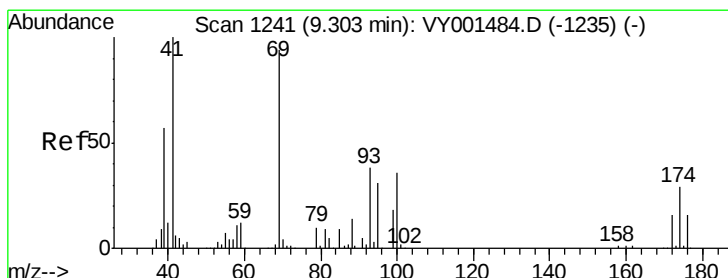
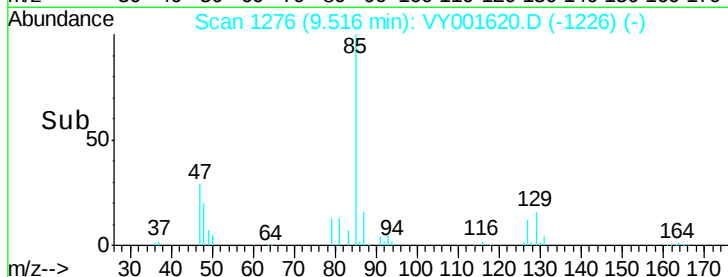
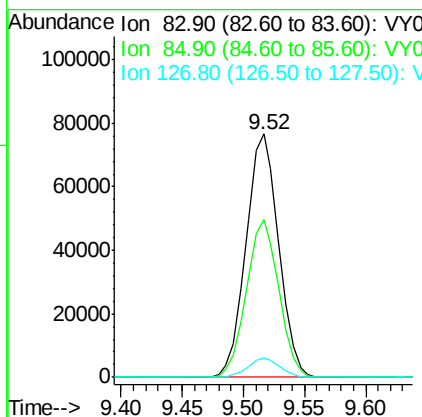
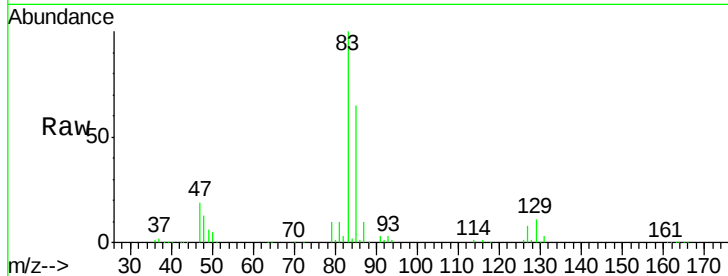
#47
Bromodichloromethane
Concen: 47.533 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	141904
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.9	77.9
127	7.9	6.9	10.3

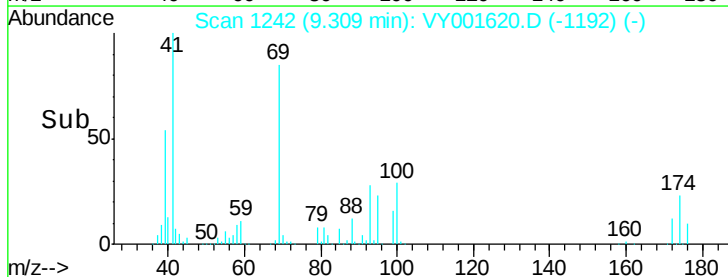
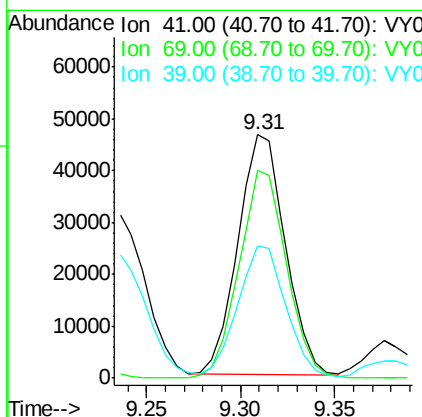
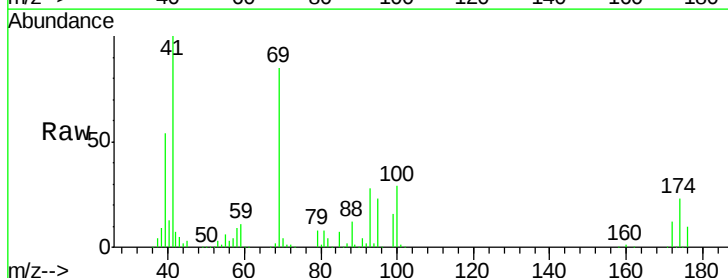
Manual Integrations
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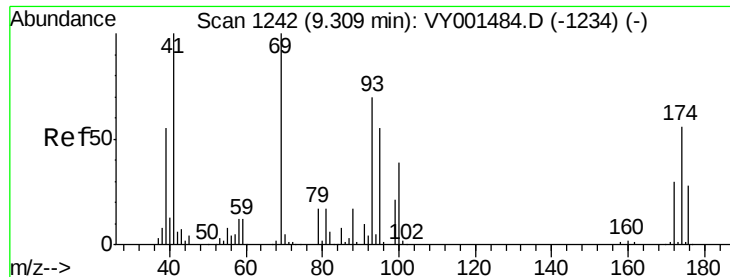
MMDadoda
2/13/2020 12:28:04 PM



#48
Methyl methacrylate
Concen: 58.735 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	41	Resp	80947
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	76.6	114.8
39	56.3	45.4	68.0





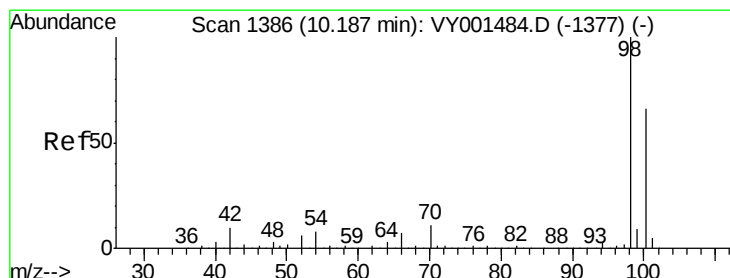
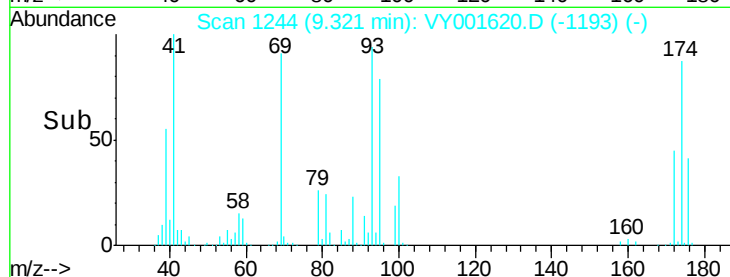
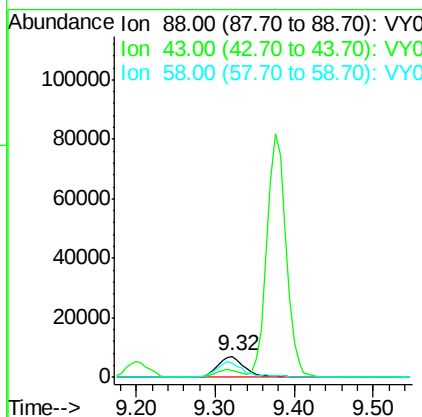
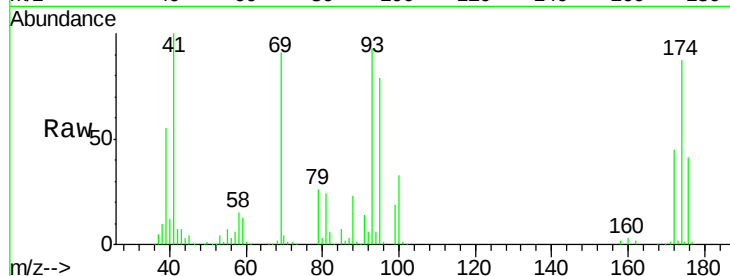
#49
1,4-Dioxane
Concen: 1061.081 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17170
Ion Ratio	100	Lower	Upper
88	100		
43	31.9	24.8	37.2
58	66.4	59.3	88.9

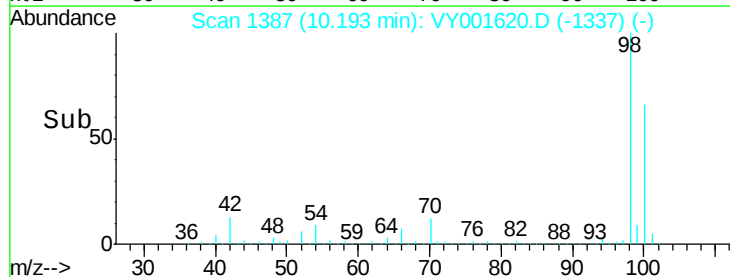
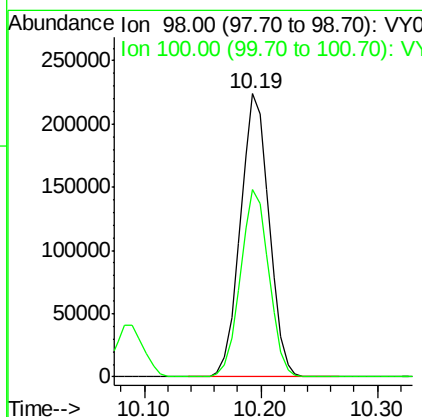
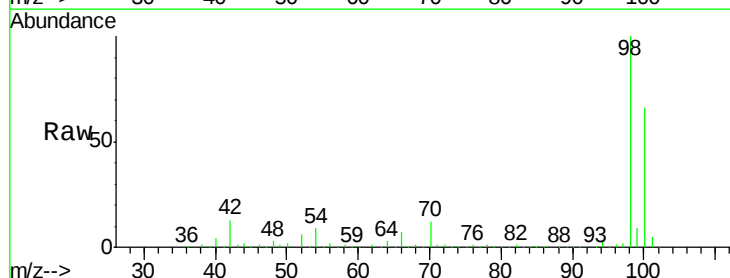
Manual Integrations
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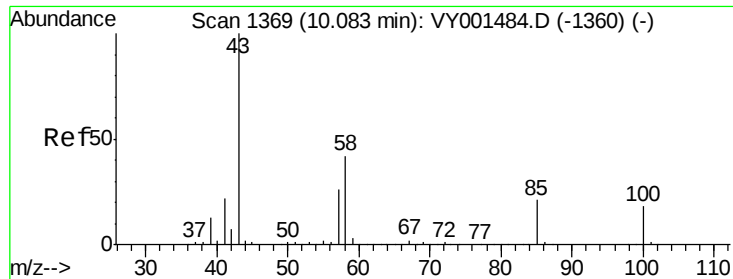
MMDadoda
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#50
Toluene-d8
Concen: 50.857 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	98	Resp	384248
Ion Ratio	100	Lower	Upper
98	100		
100	65.7	53.0	79.6





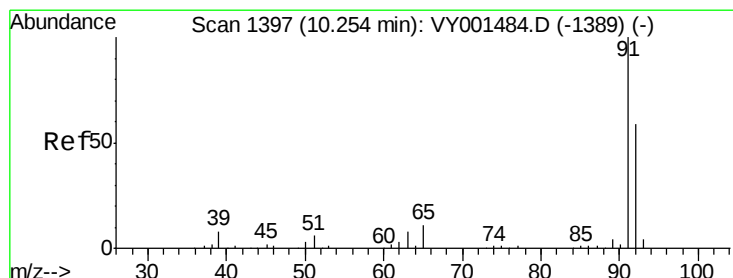
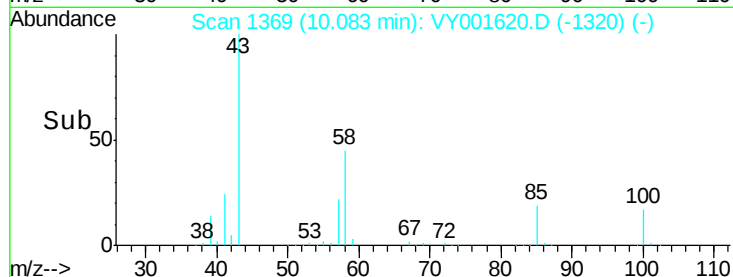
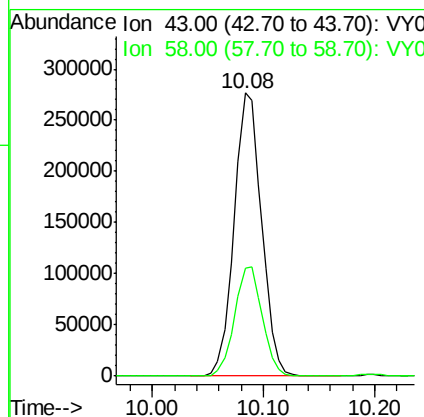
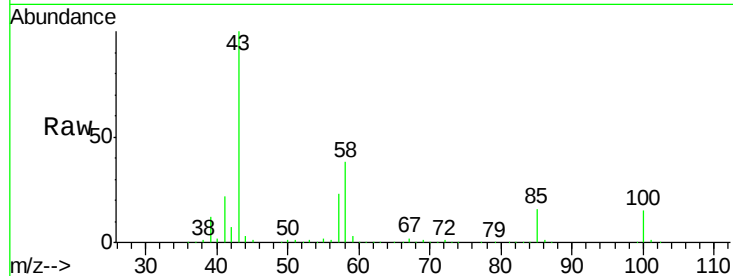
#51
4-Methyl-2-Pentanone
Concen: 315.038 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 471110
Ion Ratio Lower Upper
43 100
58 38.9 33.9 50.9

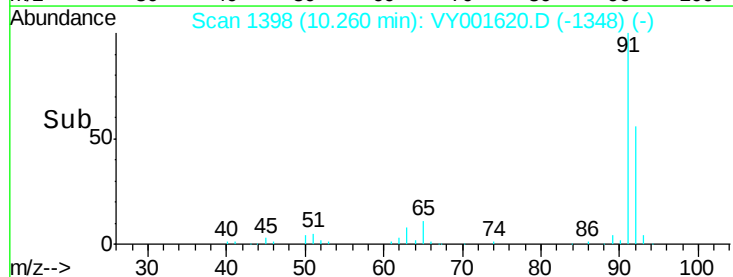
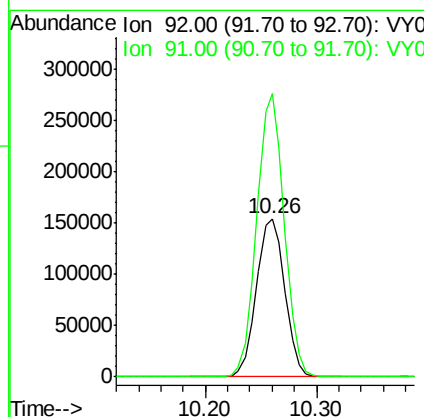
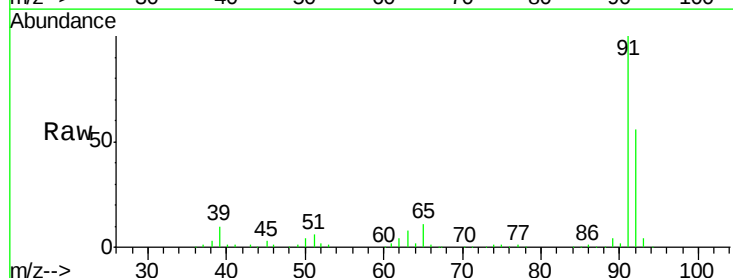
Manual Integrations
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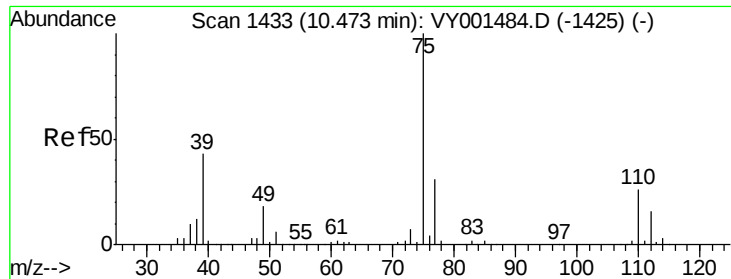
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#52
Toluene
Concen: 47.616 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 92 Resp: 273013
Ion Ratio Lower Upper
92 100
91 173.6 136.6 204.8





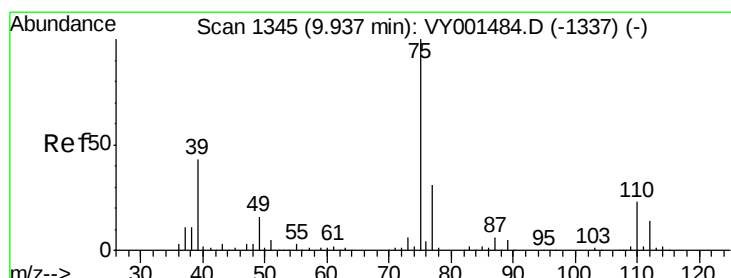
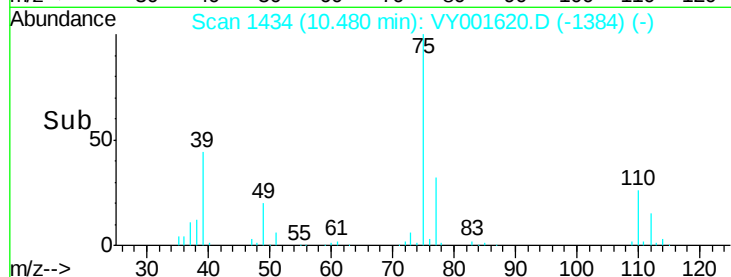
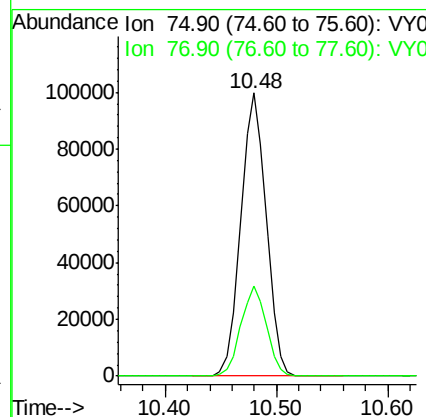
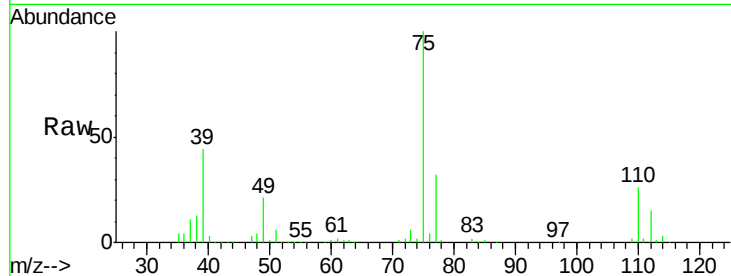
#53
t-1,3-Dichloropropene
Concen: 48.464 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 157588
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

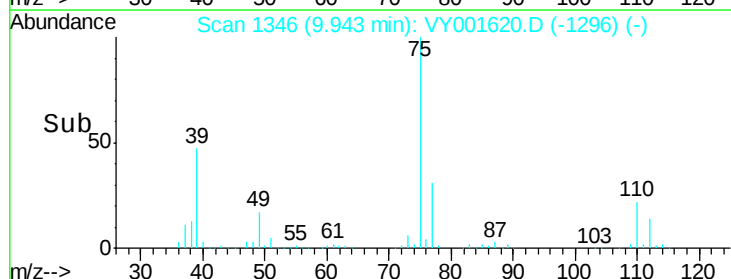
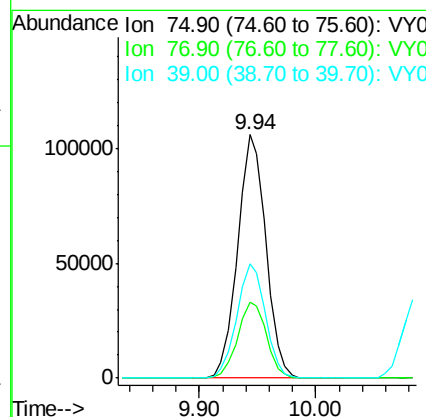
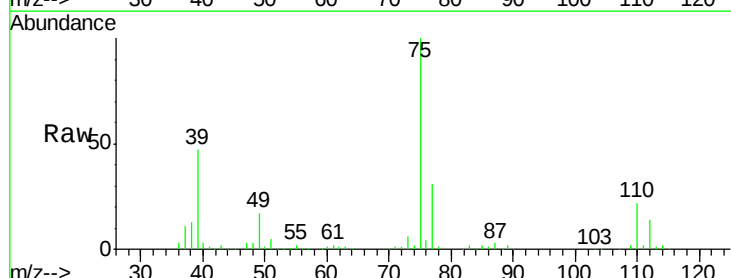
Manual Integrations
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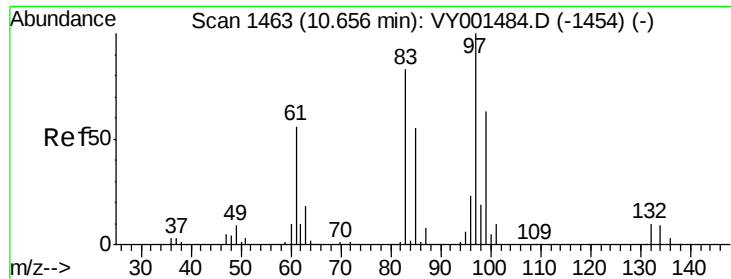
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#54
cis-1,3-Dichloropropene
Concen: 47.960 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 75 Resp: 179036
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1
39 46.8 34.0 51.0





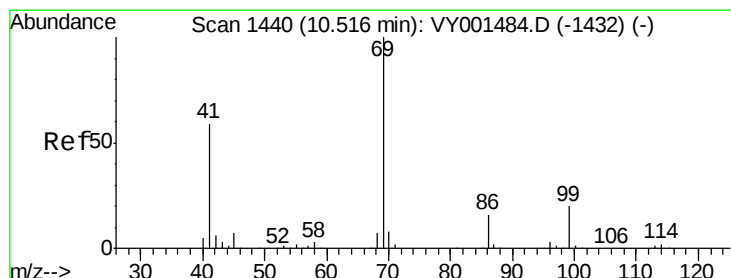
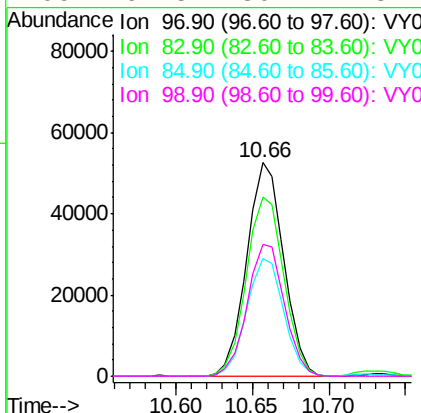
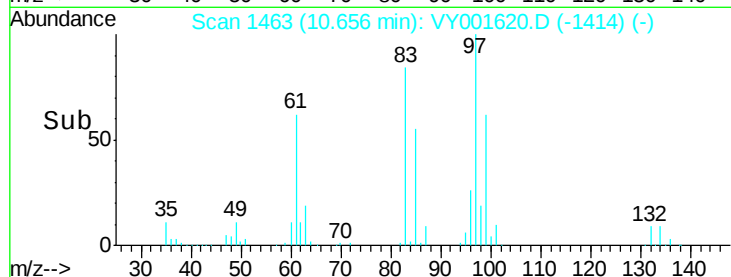
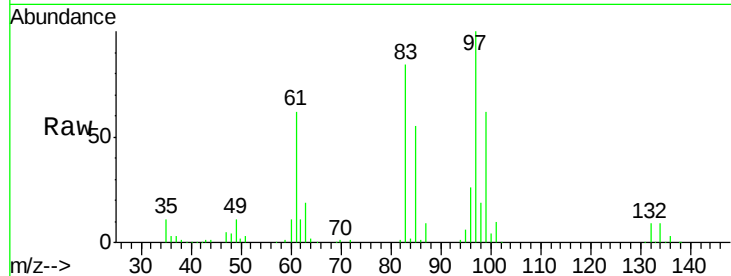
#55
 1,1,2-Trichloroethane
 Concen: 50.291 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88410
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.2	99.2
85	55.3	43.8	65.6
99	61.5	50.1	75.1

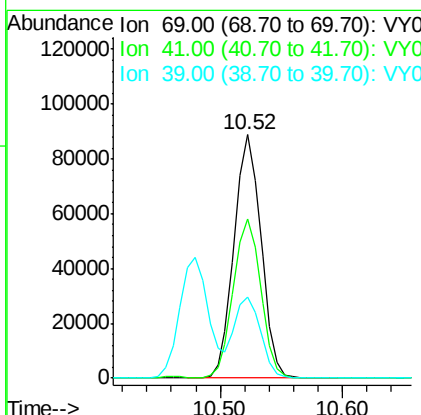
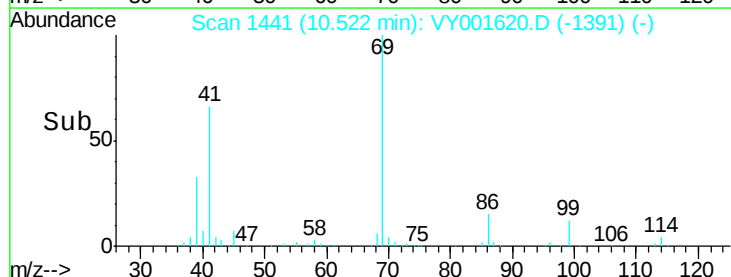
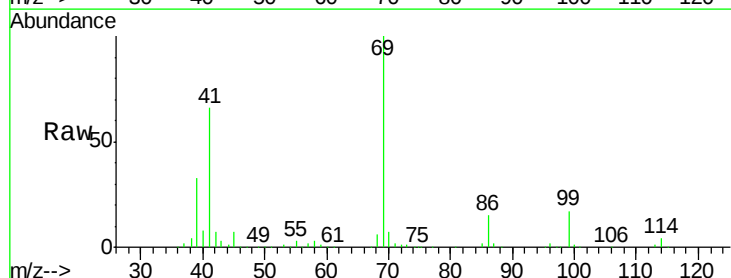
Manual Integrations
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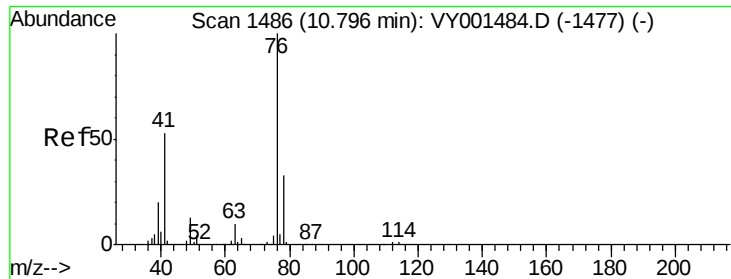
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#56
 Ethyl methacrylate
 Concen: 54.352 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion:	69	Resp:	135902
Ion	Ratio	Lower	Upper
69	100		
41	66.4	47.8	71.8
39	31.9	24.4	36.6





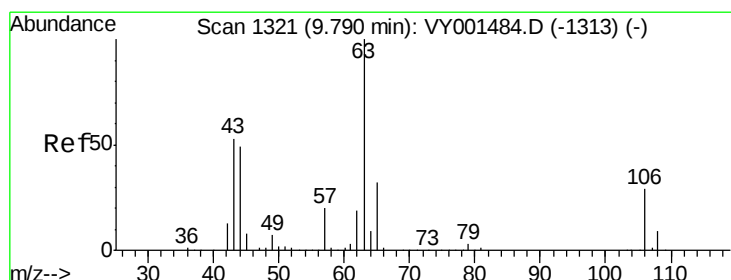
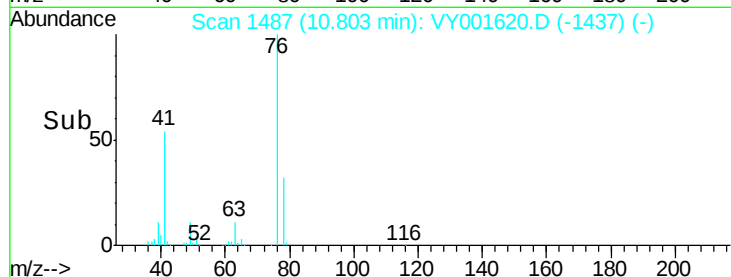
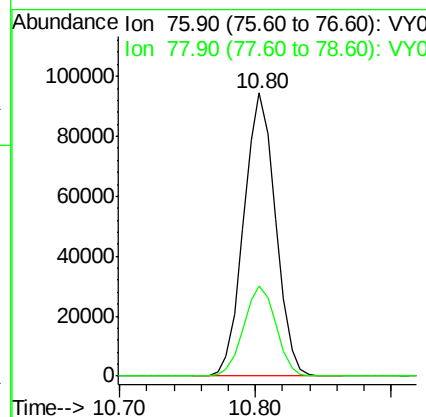
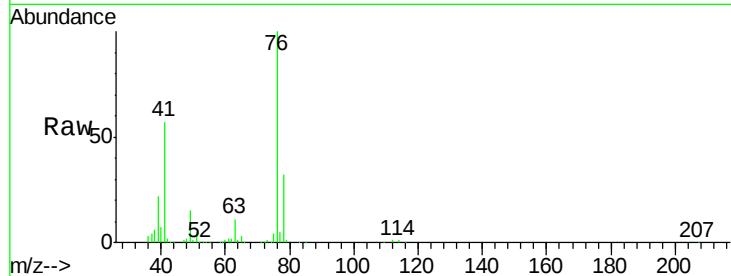
#57
 1,3-Dichloropropane
 Concen: 49.805 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

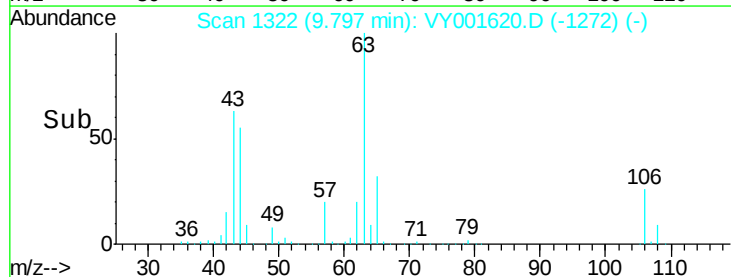
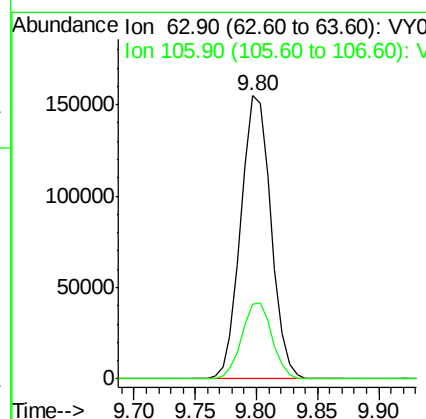
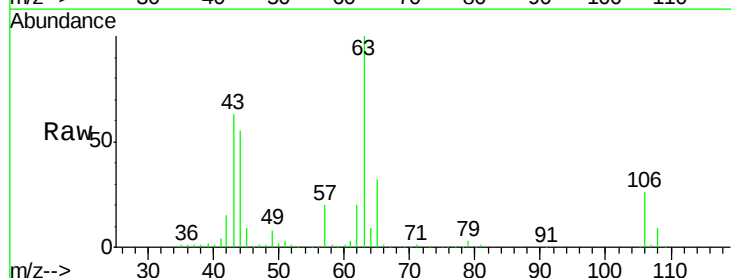
Manual Integrations
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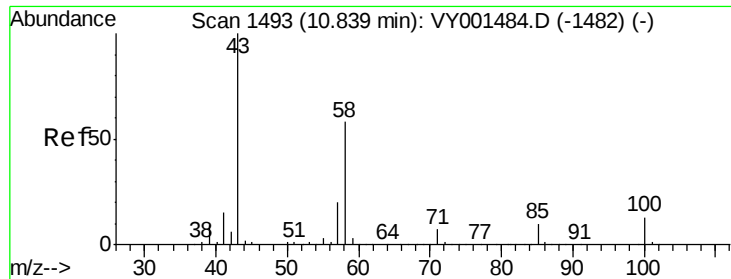
MMDadoda
 2/13/2020 12:28:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.727 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	24.0	36.0





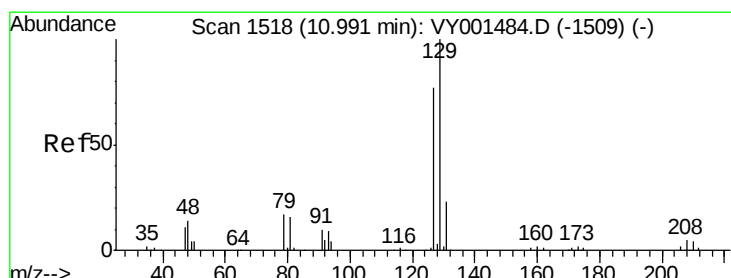
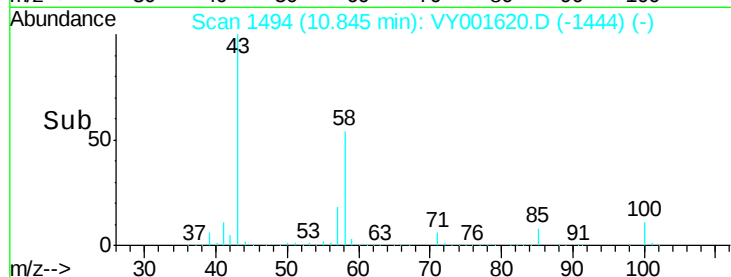
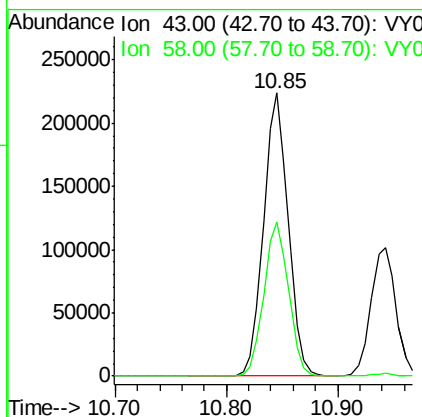
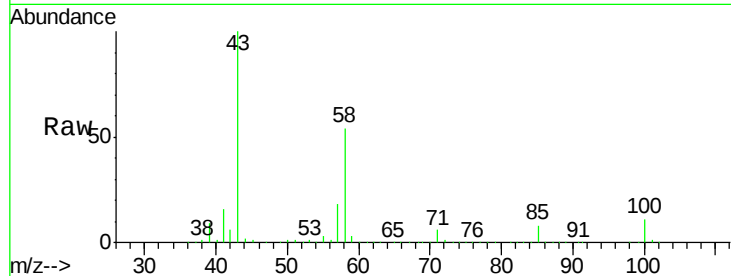
#59
2-Hexanone
Concen: 318.165 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 345938
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0

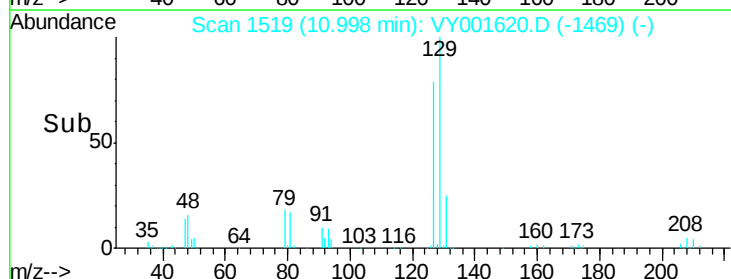
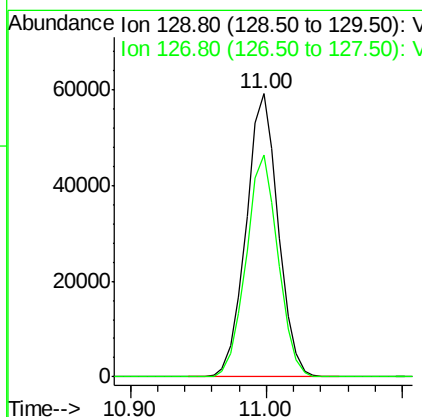
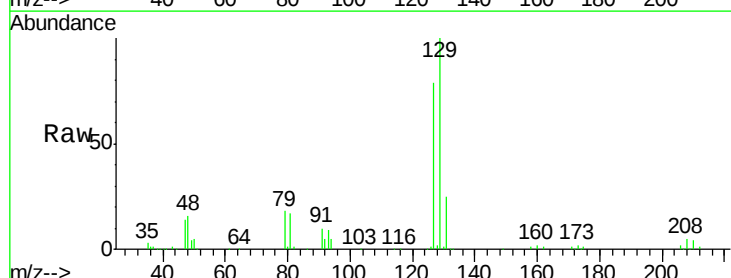
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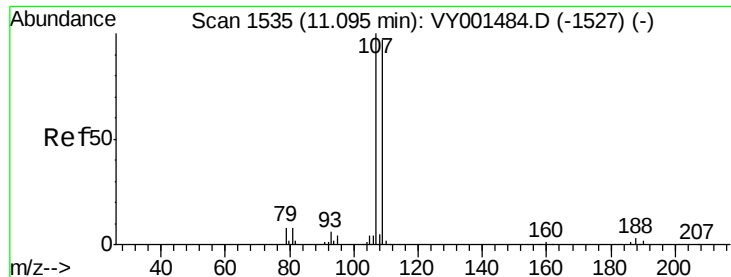
MMDadoda
2/13/2020 12:28:04 PM



#60
Dibromochloromethane
Concen: 47.008 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 129 Resp: 97410
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6





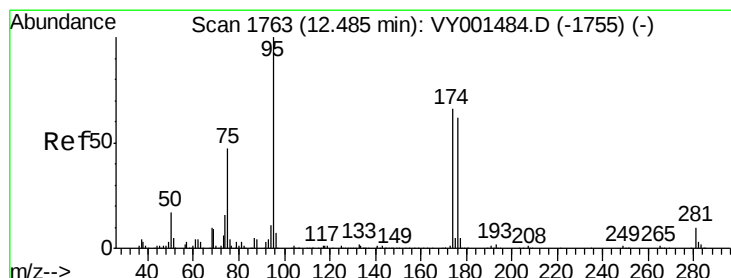
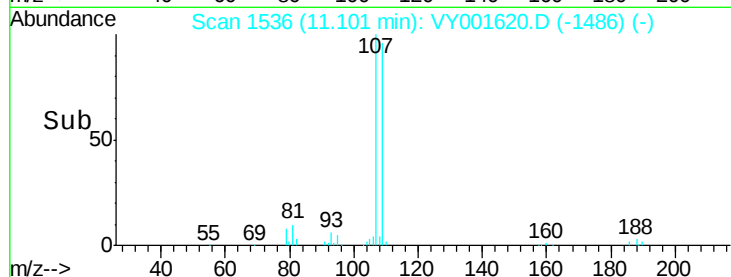
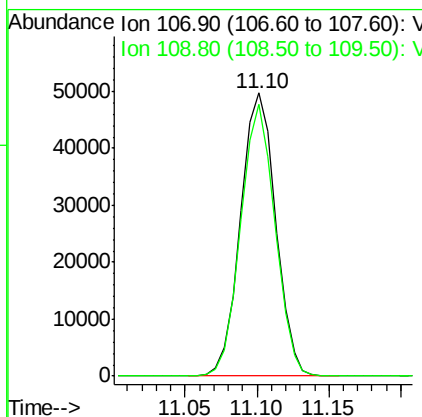
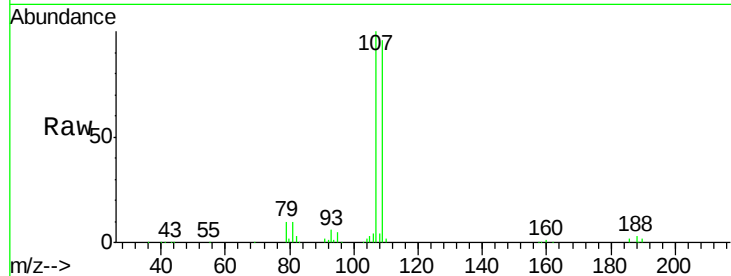
#61
 1,2-Dibromoethane
 Concen: 48.533 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 84035
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.2

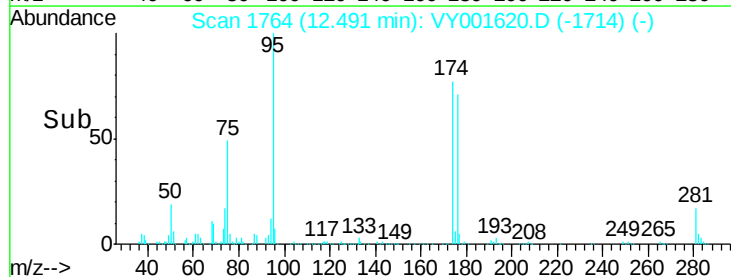
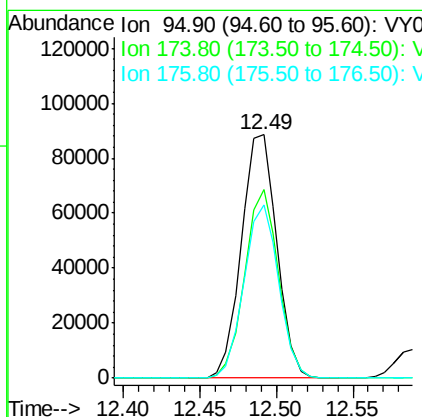
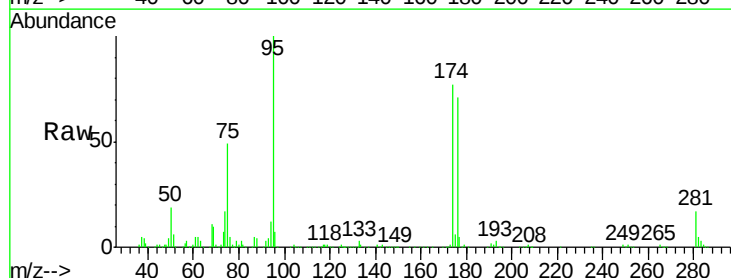
Manual Integrations
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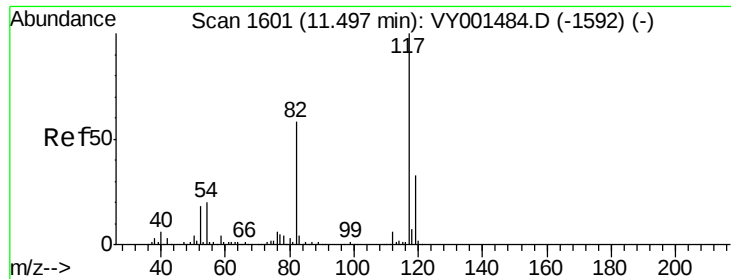
MMDadoda
 2/13/2020 12:28:04 PM



#62
 4-Bromofluorobenzene
 Concen: 47.748 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion: 95 Resp: 142117
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 141.4
 176 70.0 0.0 135.4





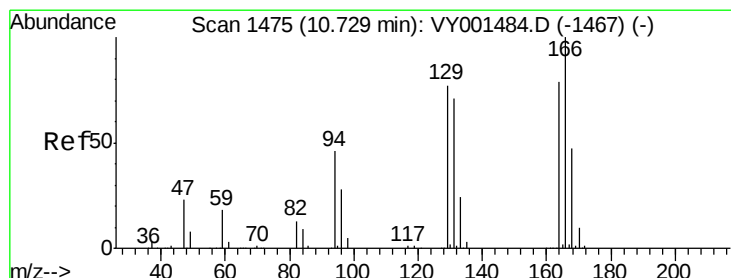
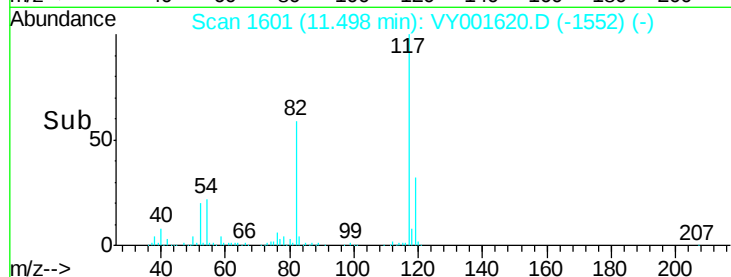
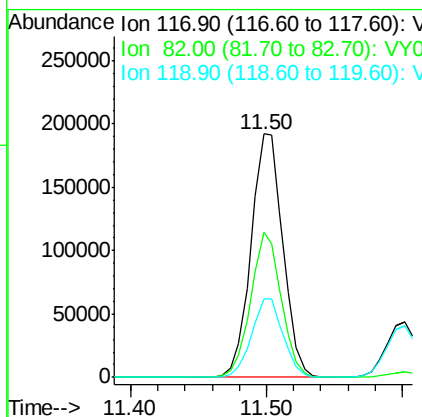
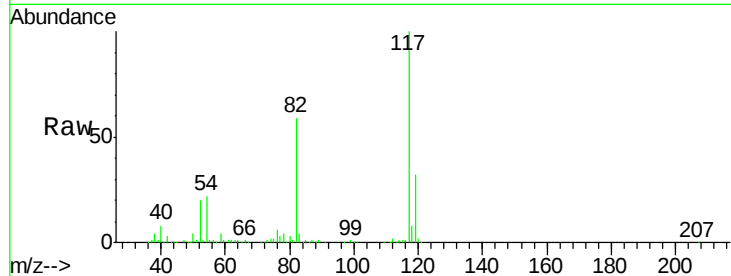
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314937		
82	59.3	46.1	69.1	
119	32.3	26.1	39.1	

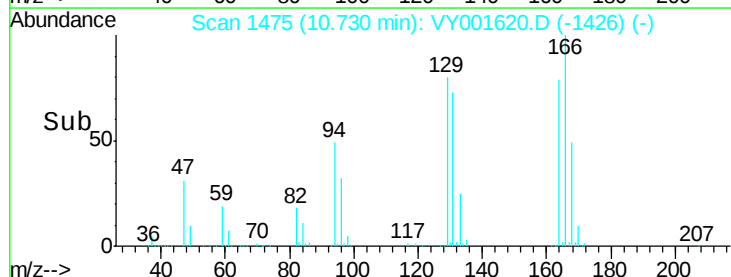
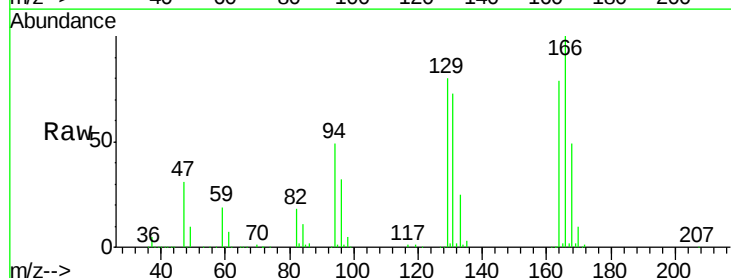
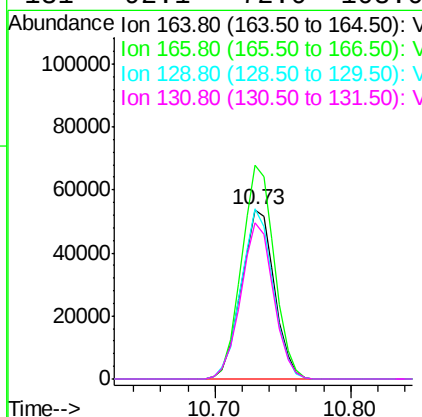
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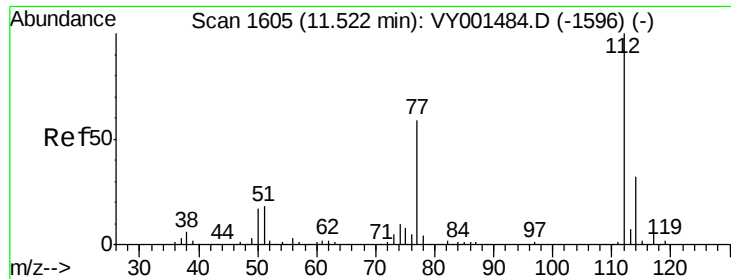
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#64
Tetrachloroethene
Concen: 43.993 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90863		
166	126.2	100.8	151.2	
129	100.6	77.8	116.6	
131	92.1	72.0	108.0	





#65

Chlorobenzene

Concen: 46.144 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 285343

Ion Ratio Lower Upper

112 100

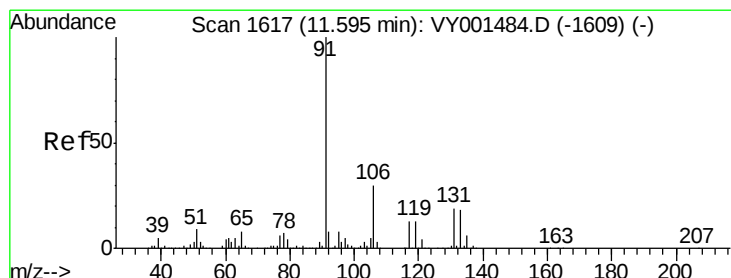
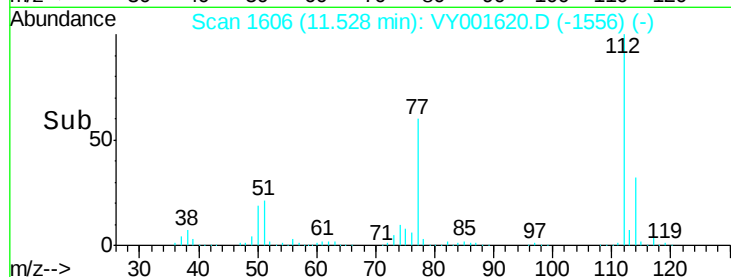
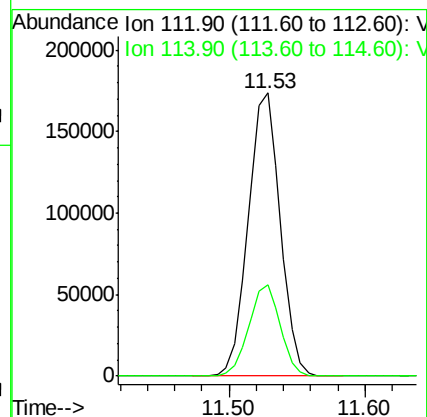
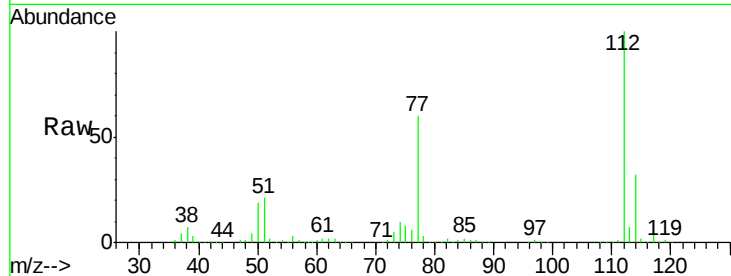
114 32.1 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 45.082 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

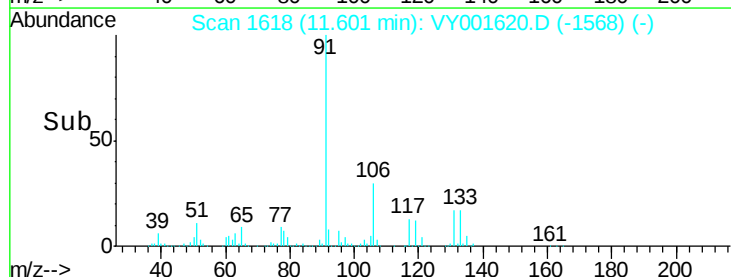
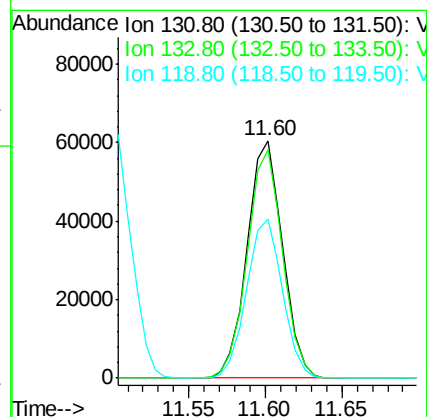
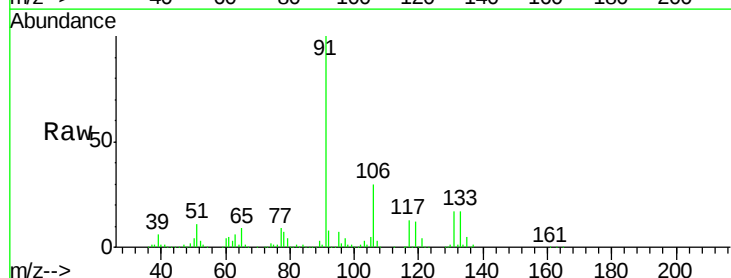
Tgt Ion:131 Resp: 97570

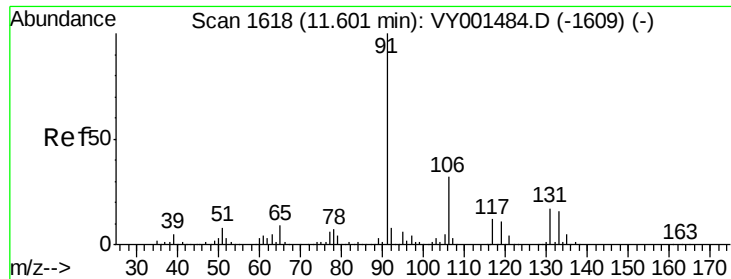
Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.8

119 67.6 33.7 101.0





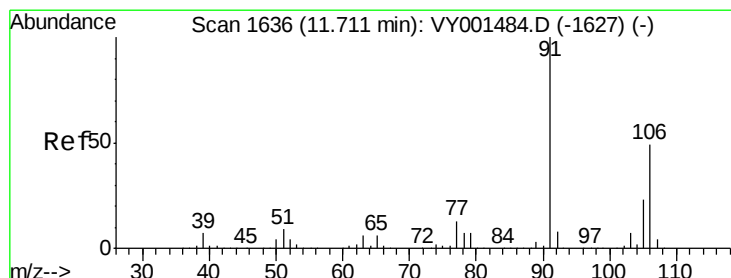
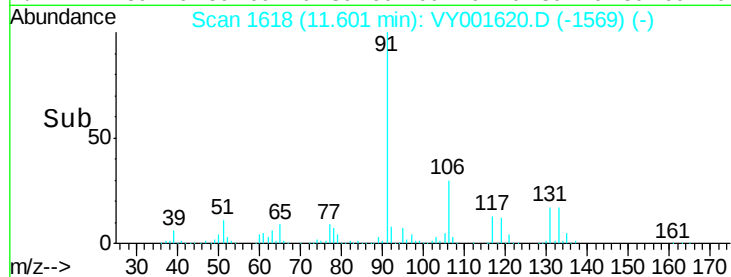
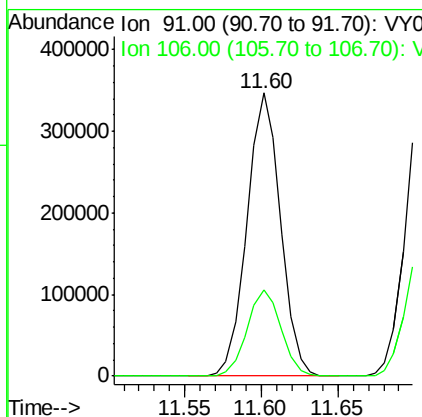
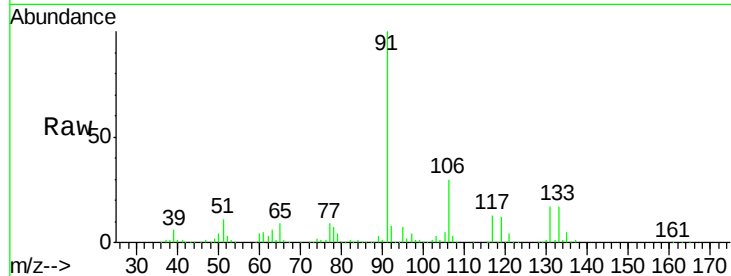
#67
Ethyl Benzene
Concen: 46.125 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 527376
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9

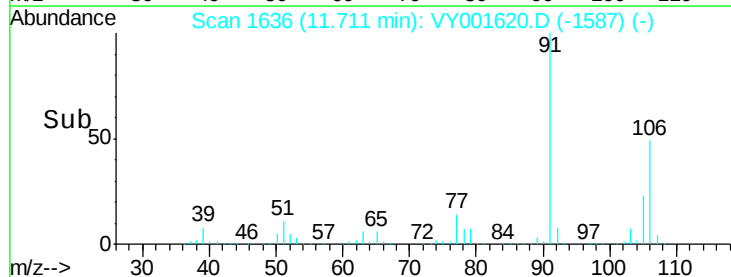
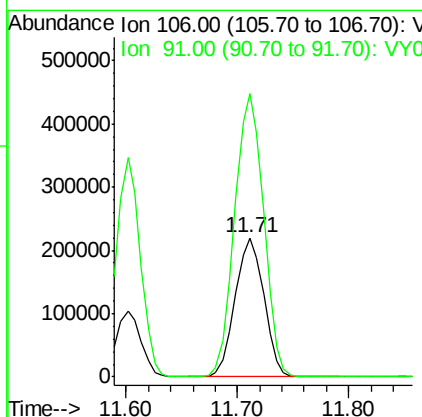
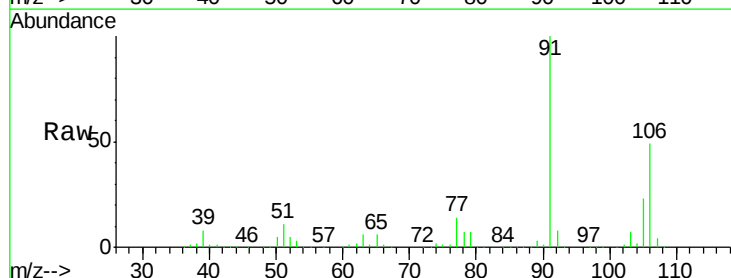
Manual Integrations
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#68
m/p-Xylenes
Concen: 91.670 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 106 Resp: 393468
Ion Ratio Lower Upper
106 100
91 205.0 163.6 245.4





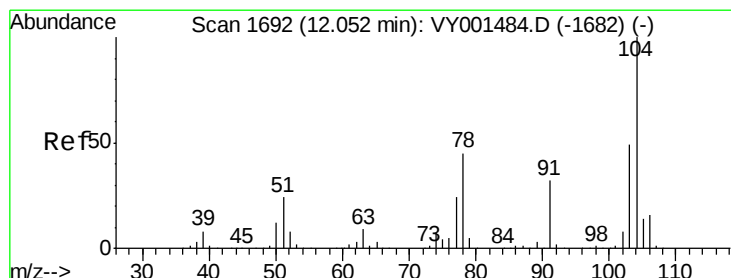
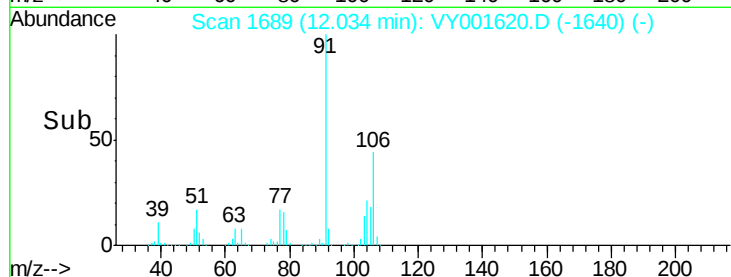
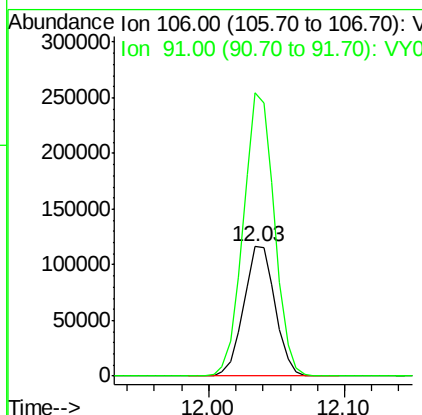
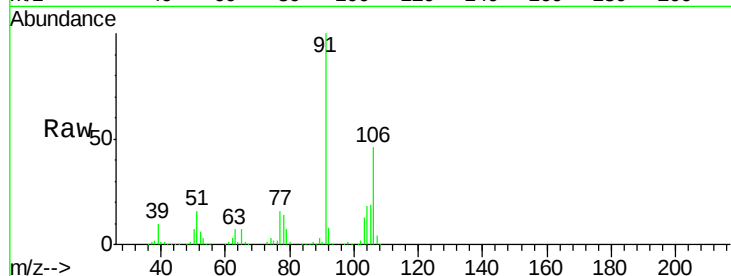
#69
o-Xylene
Concen: 46.574 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	188482		
91	91	214.8	106.0	318.0	

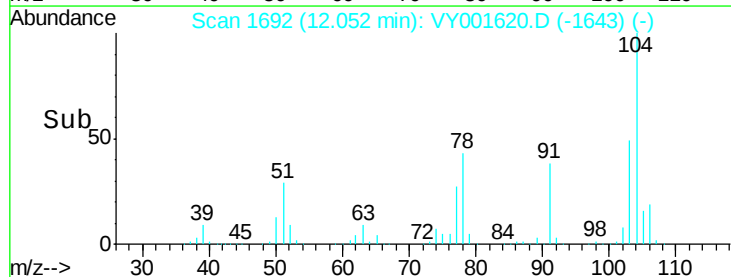
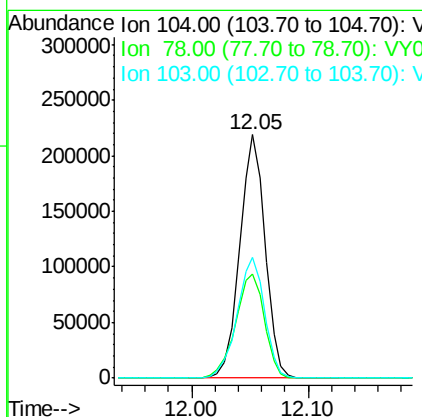
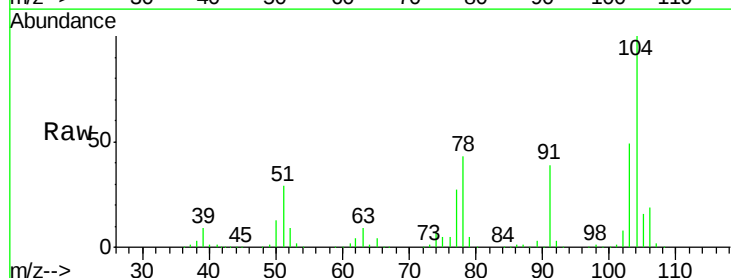
Manual Integrations
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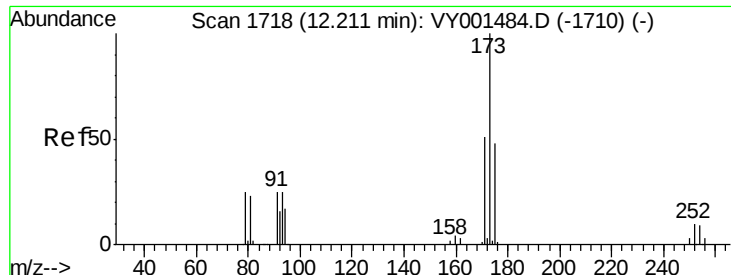
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#70
Styrene
Concen: 47.480 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	332289		
78	78	48.8	40.4	60.6	
103	103	53.6	42.8	64.2	





#71

Bromoform

Concen: 47.890 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 57713

Ion Ratio Lower Upper

173 100

175 48.9 24.0 72.0

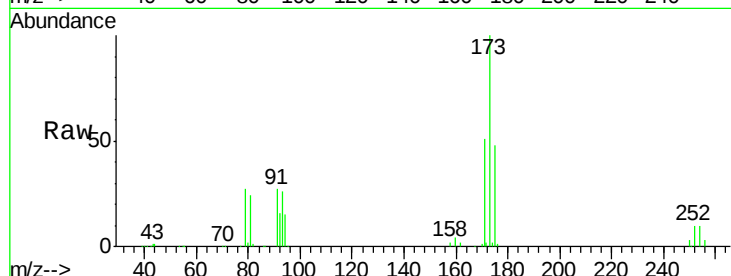
254 0.0 0.1 0.1#

Manual Integrations

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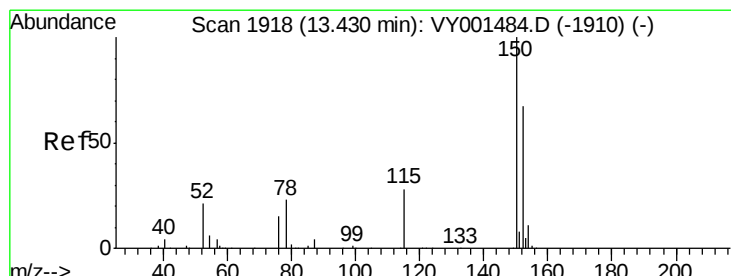
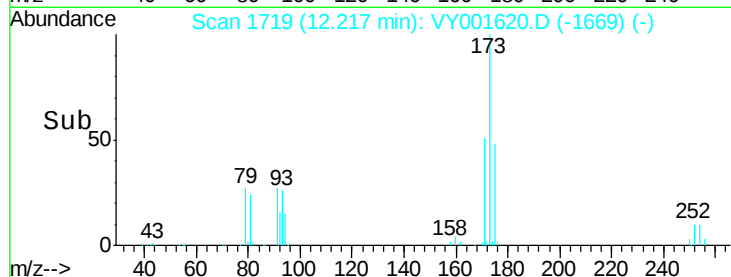
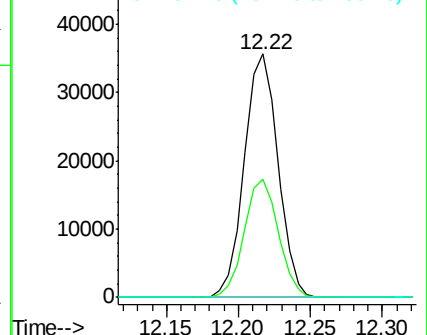
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

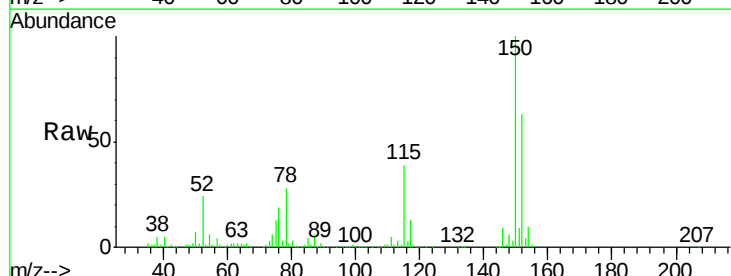
Tgt Ion:152 Resp: 149743

Ion Ratio Lower Upper

152 100

115 61.1 31.4 94.3

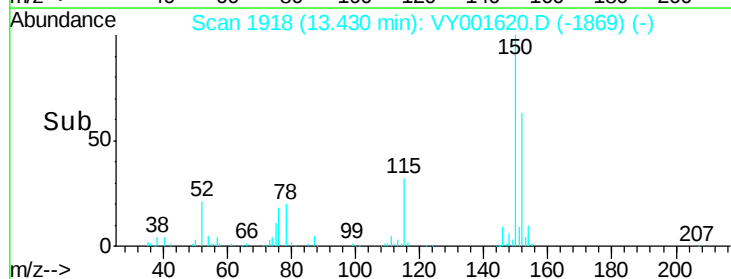
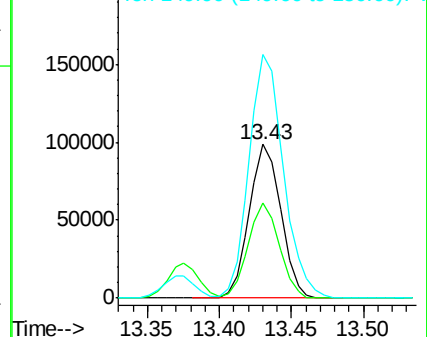
150 172.4 0.0 346.8

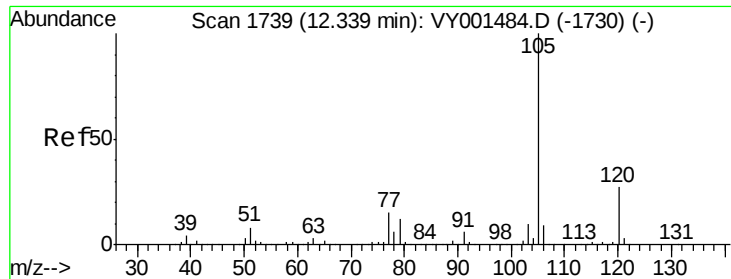


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.379 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 506840

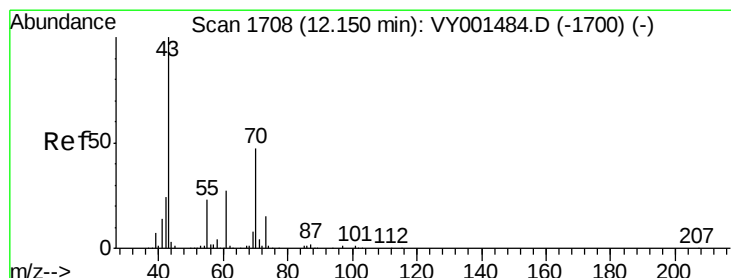
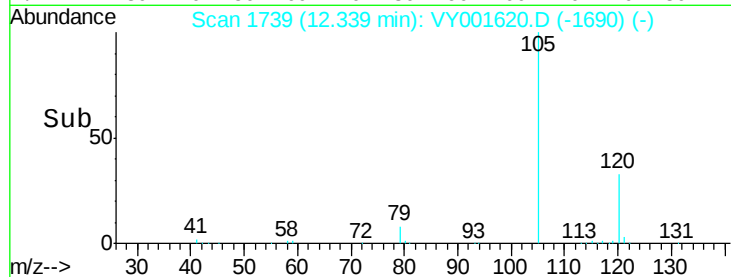
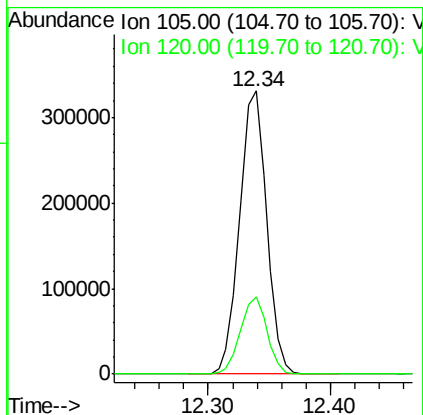
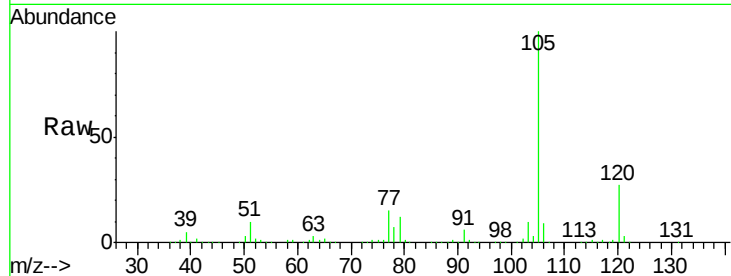
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 58.582 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion: 43 Resp: 173855

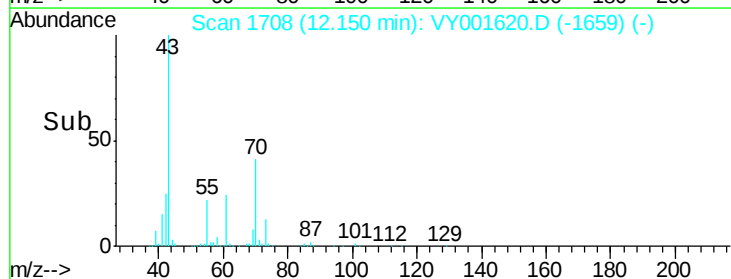
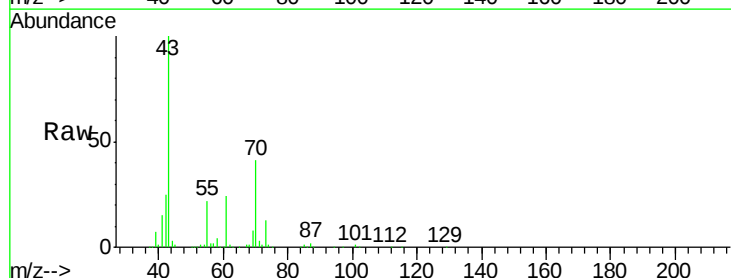
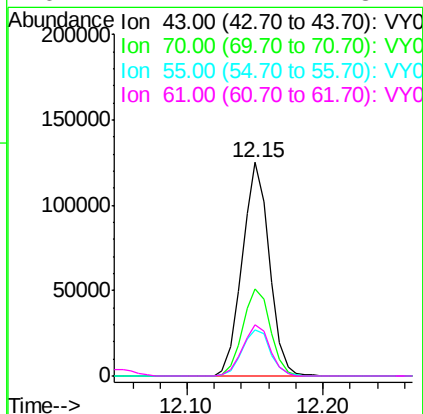
Ion Ratio Lower Upper

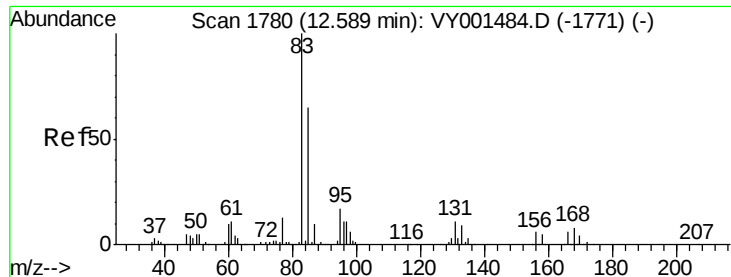
43 100

70 42.1 37.2 55.8

55 22.7 18.8 28.2

61 24.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.492 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

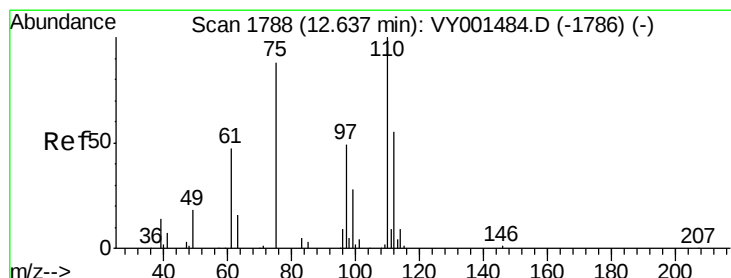
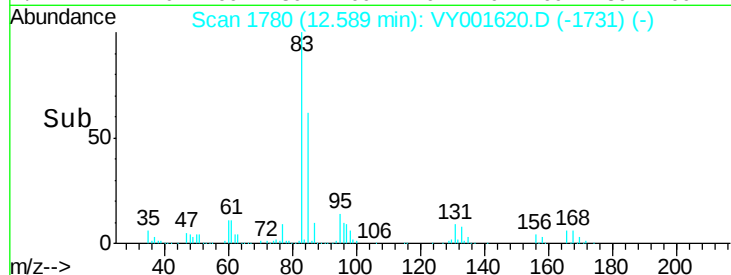
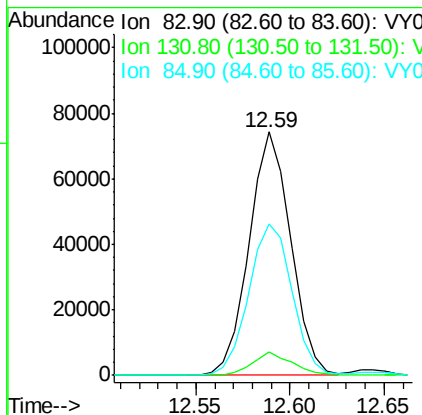
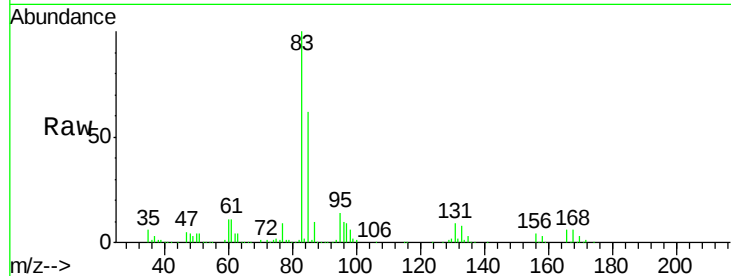
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	113898
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.4	16.2
85	64.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.142 ug/l m

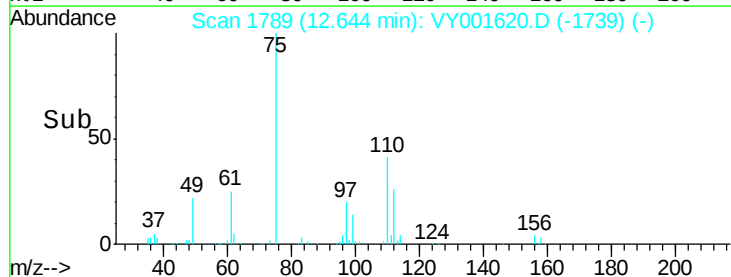
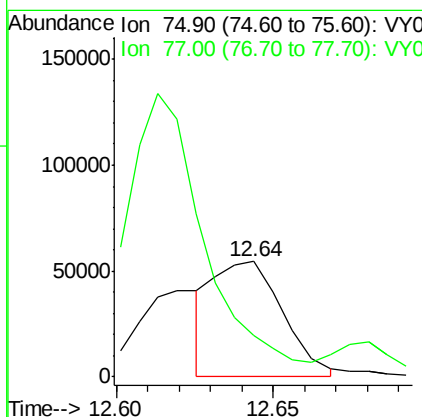
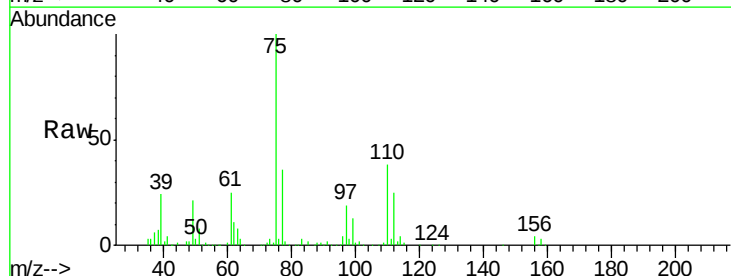
RT: 12.64 min Scan# 1789

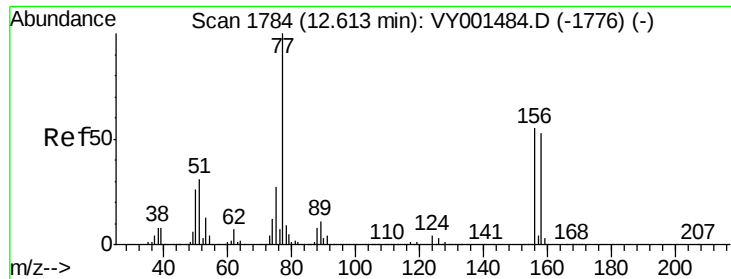
Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	75	Resp:	83967
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.568 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

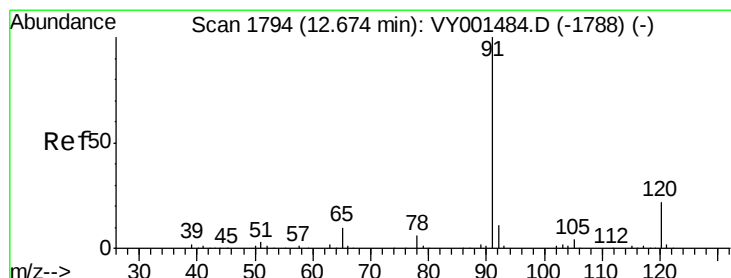
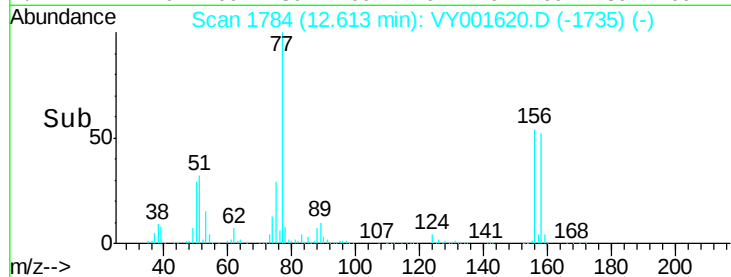
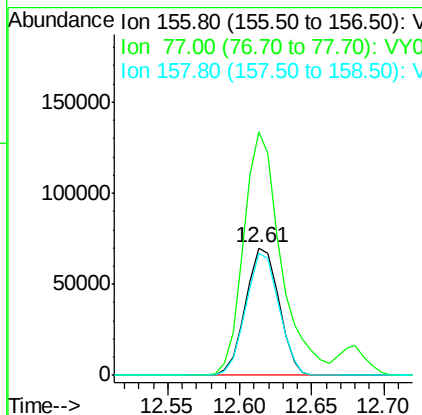
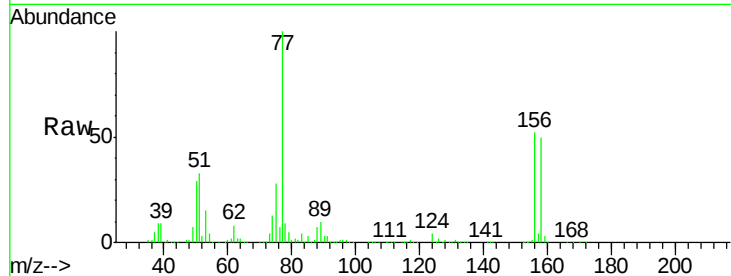
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	112623
Ion Ratio	Lower	Upper	
156	100		
77	212.9	99.8	299.3
158	95.2	47.5	142.6

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#78

n-propylbenzene

Concen: 45.446 ug/l

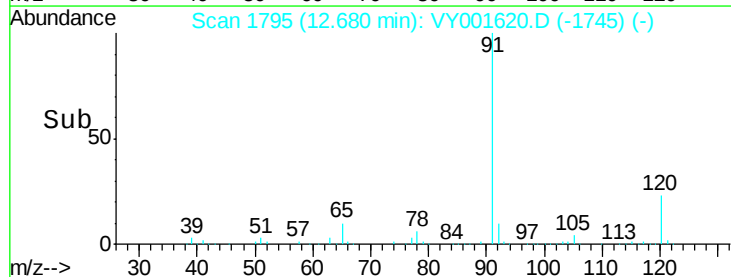
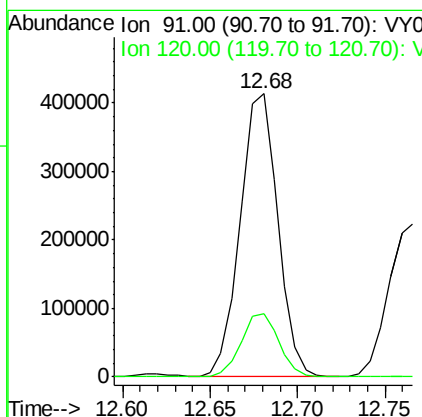
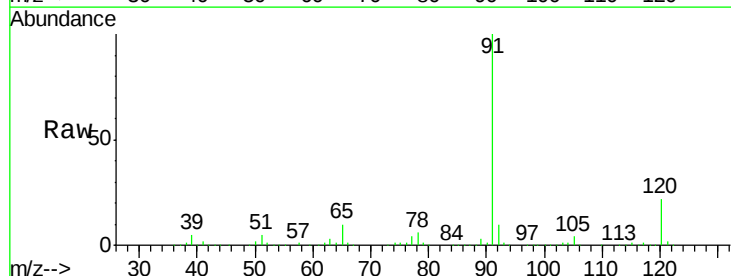
RT: 12.68 min Scan# 1795

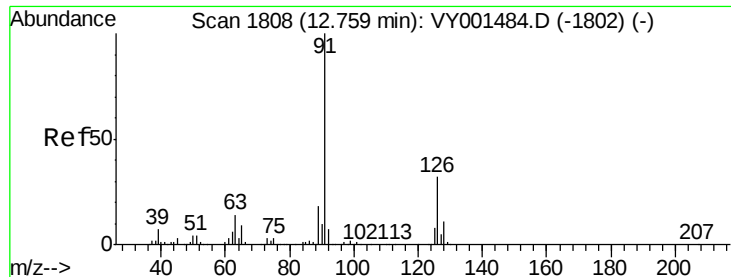
Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	91	Resp:	621349
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.2





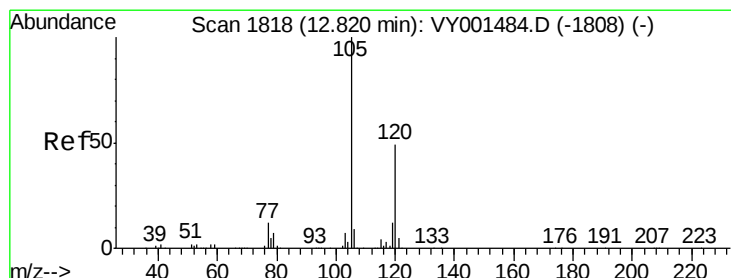
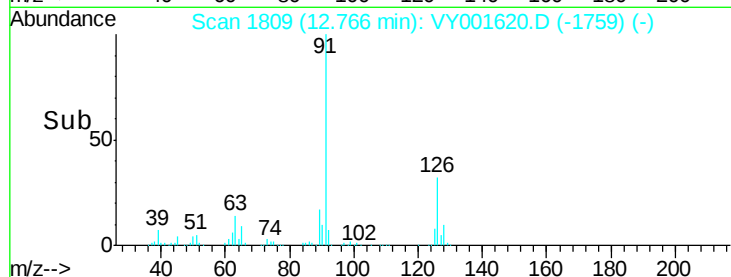
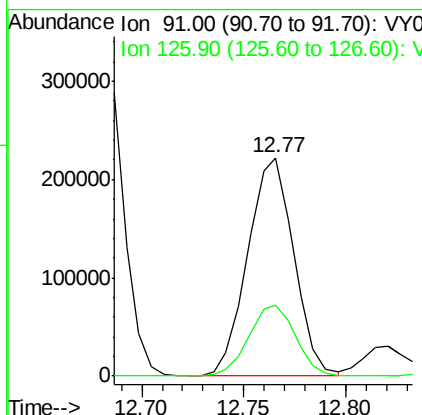
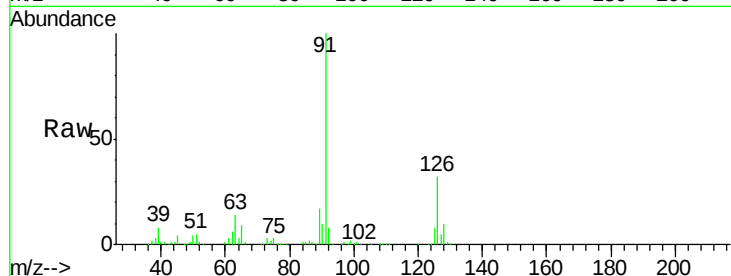
#79
2-Chlorotoluene
Concen: 44.916 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 350048
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.2

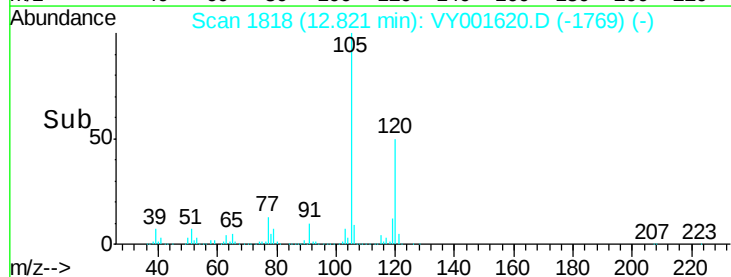
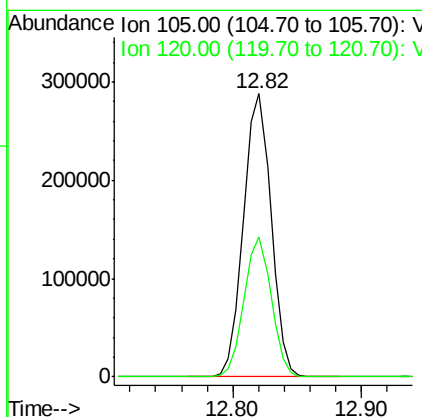
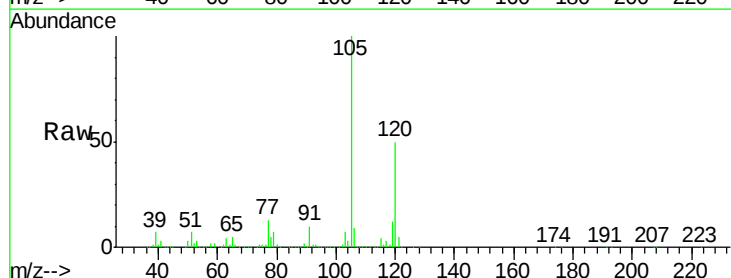
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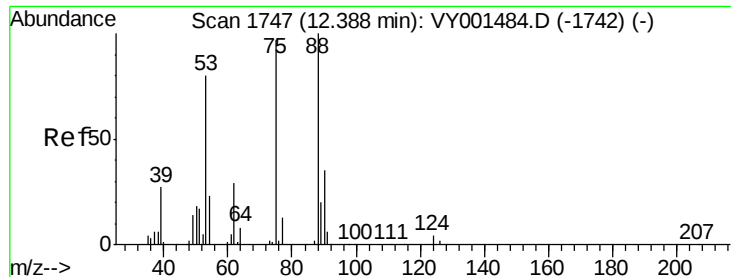
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#80
1,3,5-Trimethylbenzene
Concen: 44.312 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 105 Resp: 426198
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.309 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

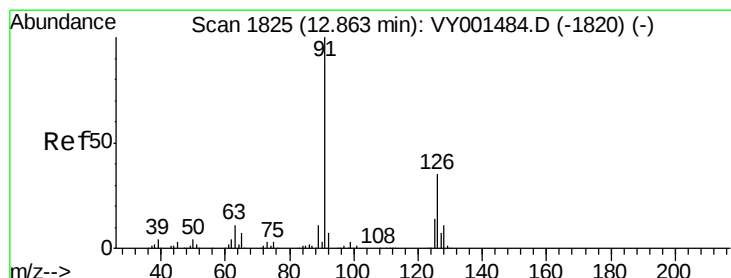
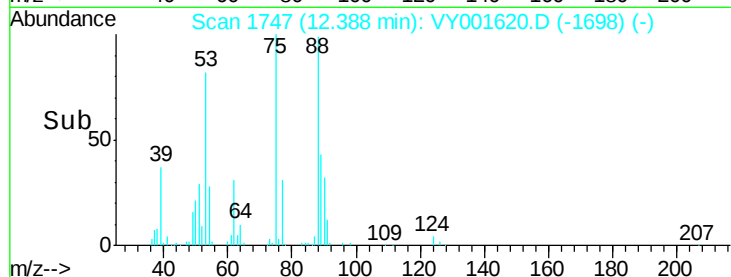
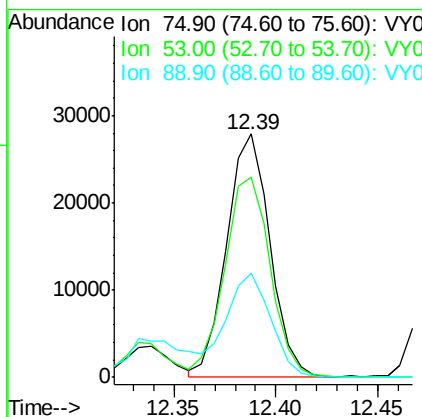
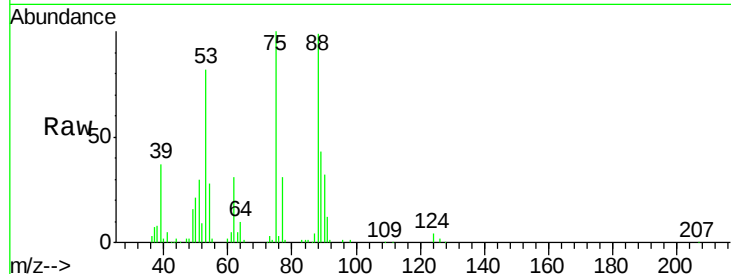
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	41037
Ion	Ratio	Lower	Upper
75	100		
53	86.9	67.7	101.5
89	44.0	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.195 ug/l

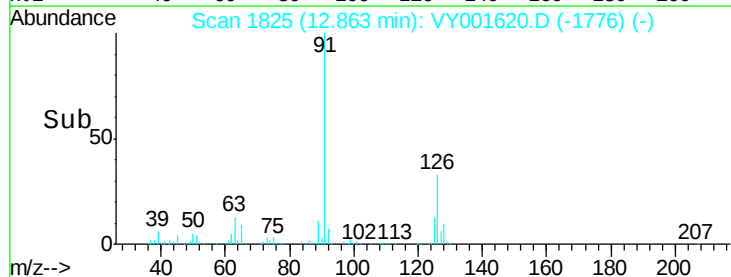
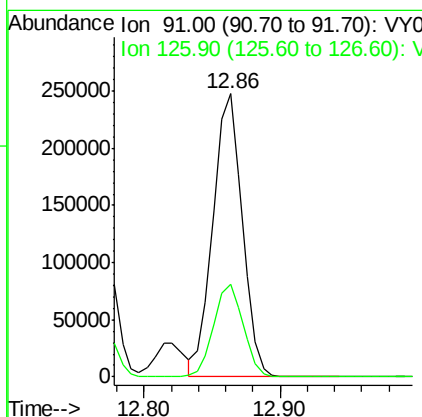
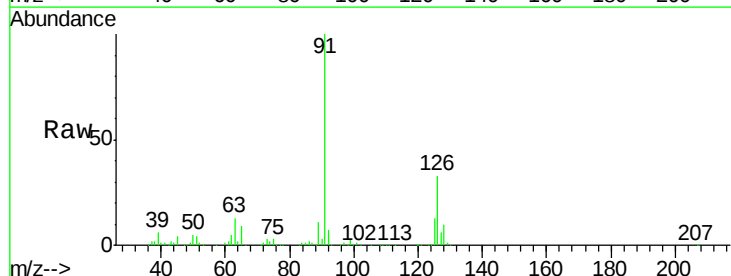
RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion:	91	Resp:	369293
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





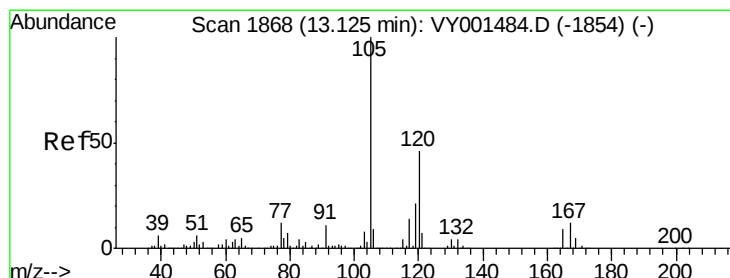
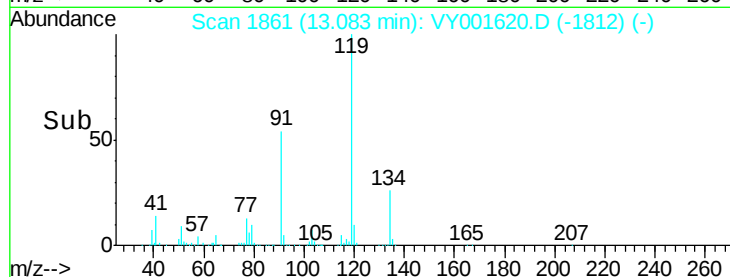
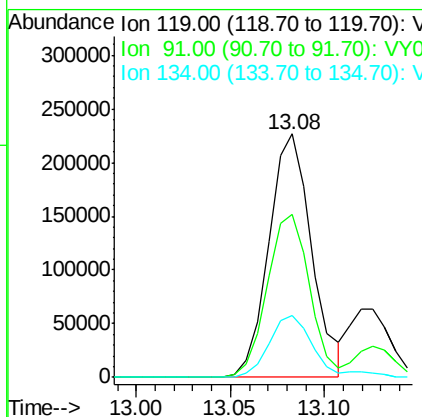
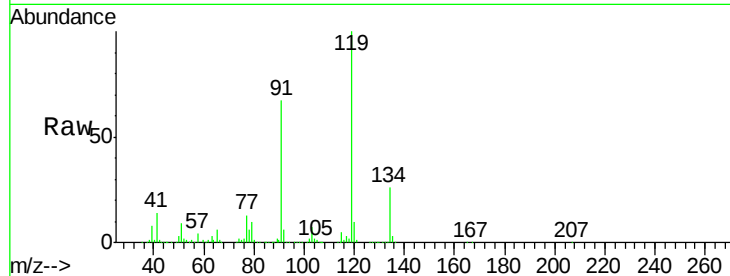
#83
tert-Butylbenzene
Concen: 43.939 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.1	99.3
134	26.8	13.0	39.0

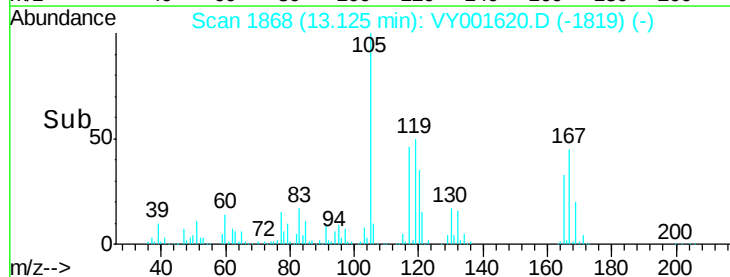
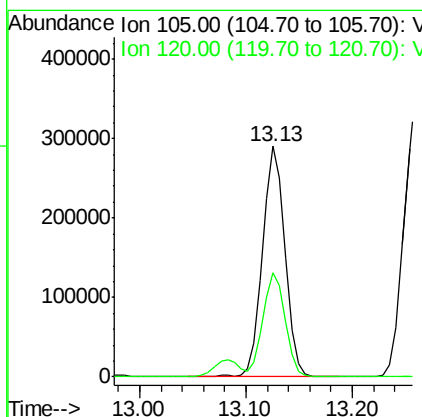
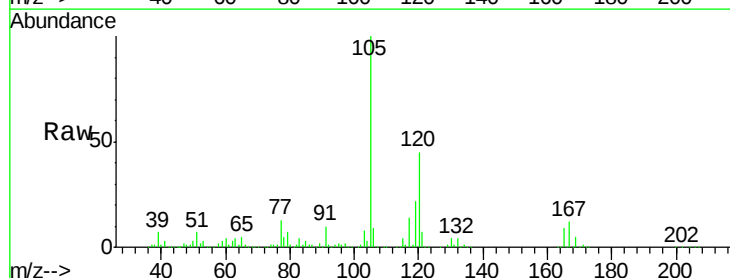
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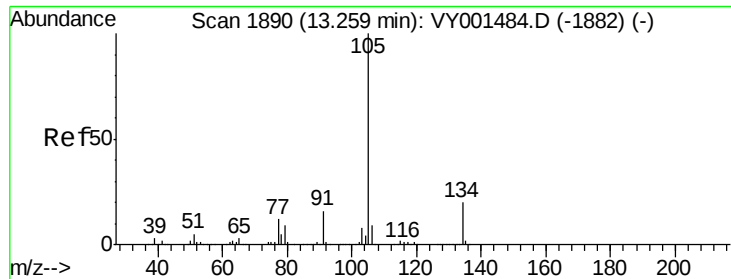
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#84
1,2,4-Trimethylbenzene
Concen: 45.110 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.0





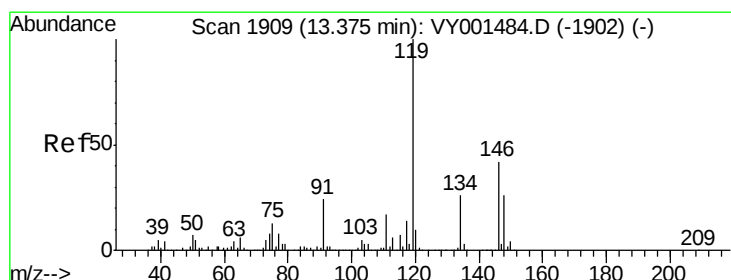
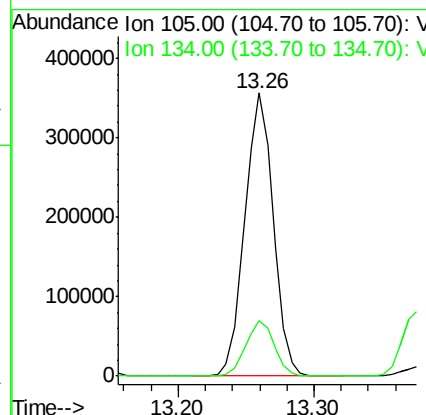
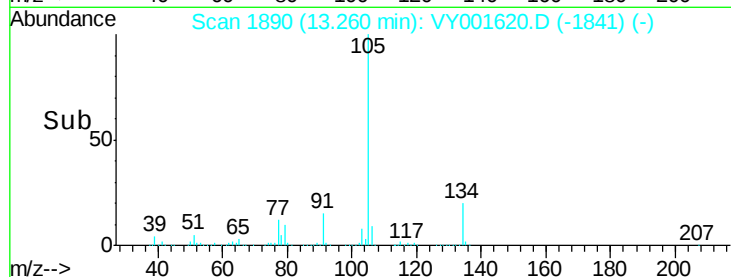
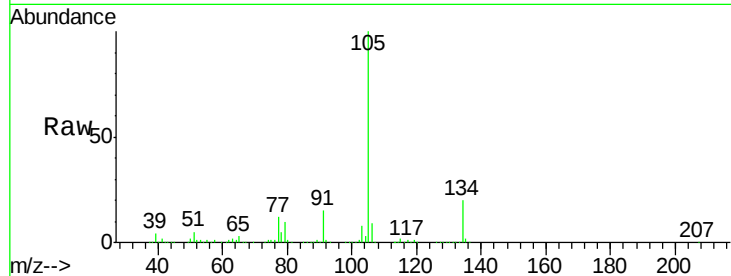
#85
 sec-Butylbenzene
 Concen: 45.524 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

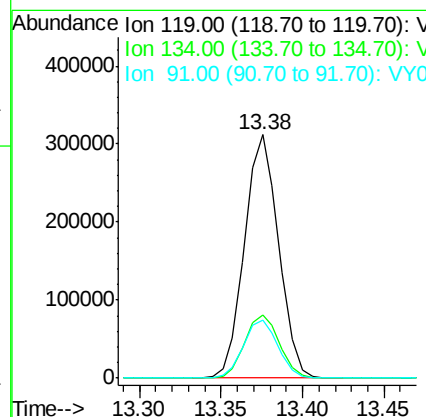
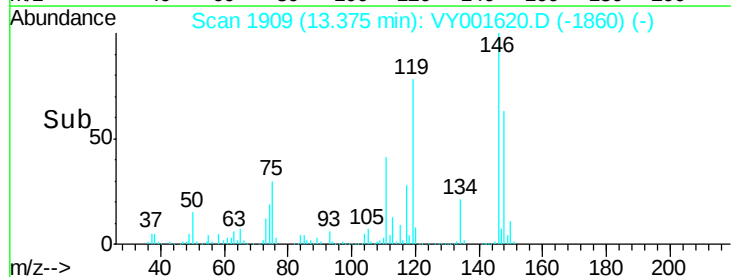
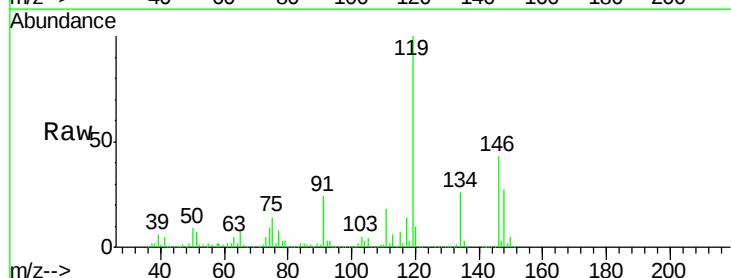
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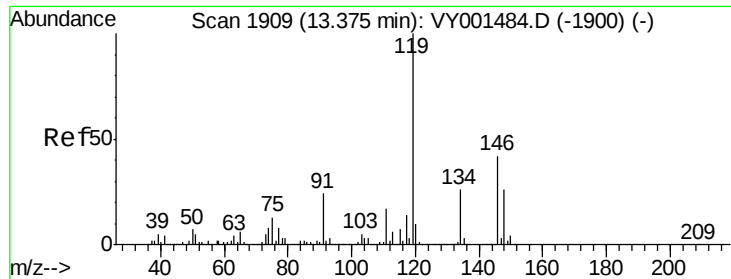
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 2/13/2020 12:28:04 PM



#86
 p-Isopropyltoluene
 Concen: 45.091 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	24.1	12.2	36.6





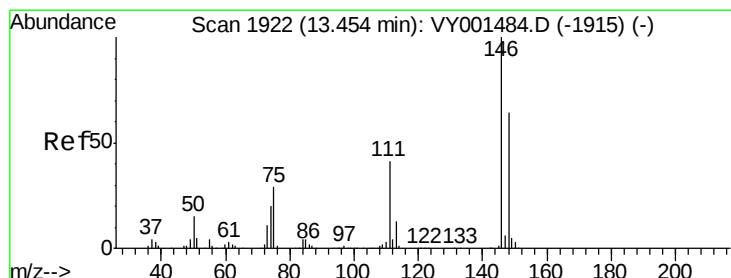
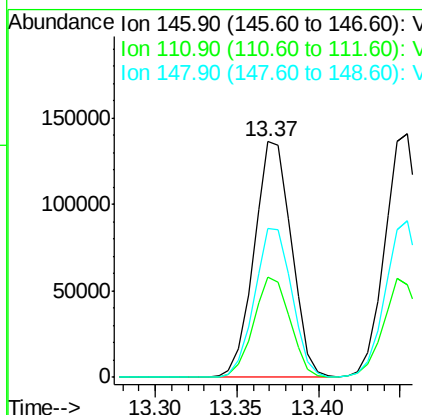
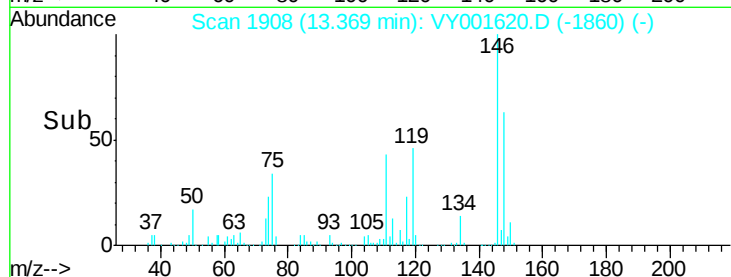
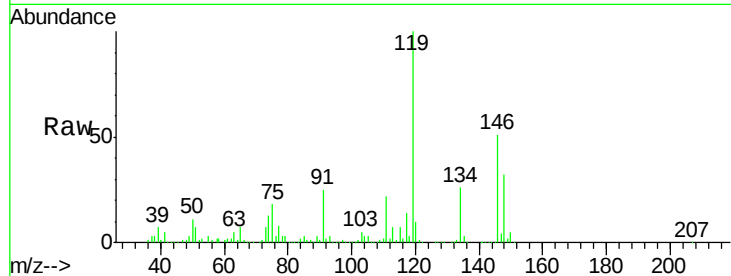
#87
 1,3-Dichlorobenzene
 Concen: 45.850 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	63.1	31.9	95.7

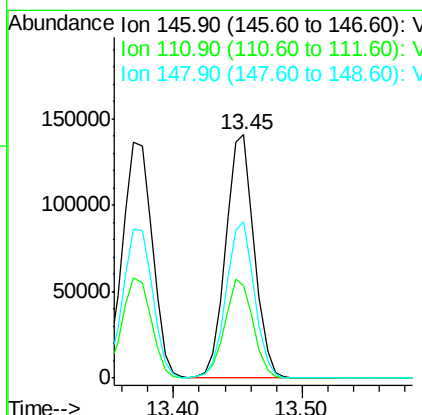
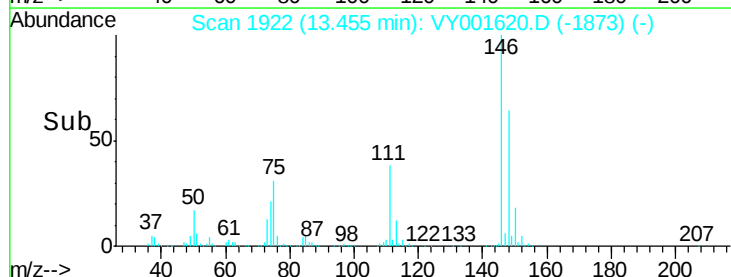
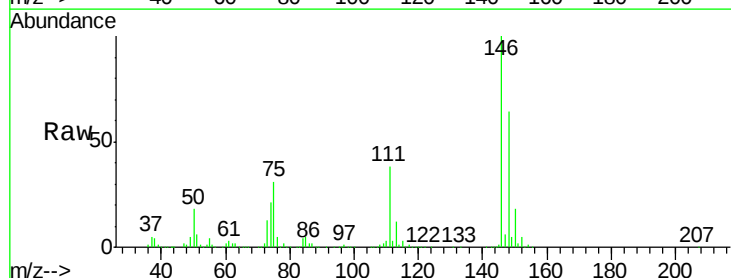
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#88
 1,4-Dichlorobenzene
 Concen: 45.836 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.0	32.1	96.5





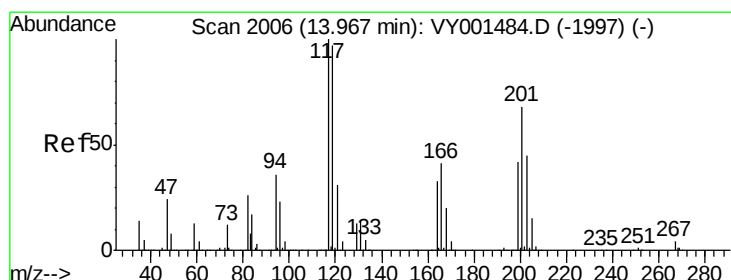
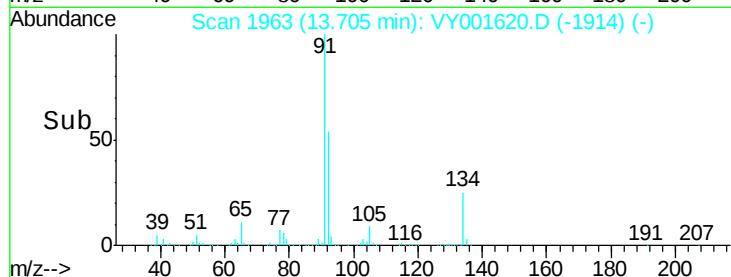
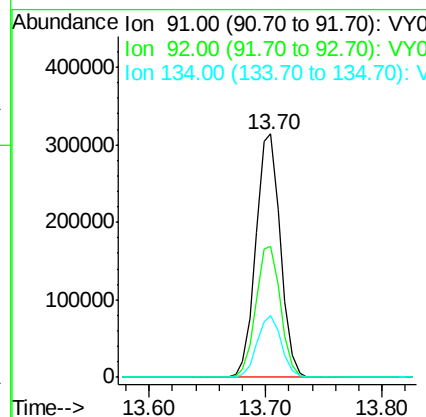
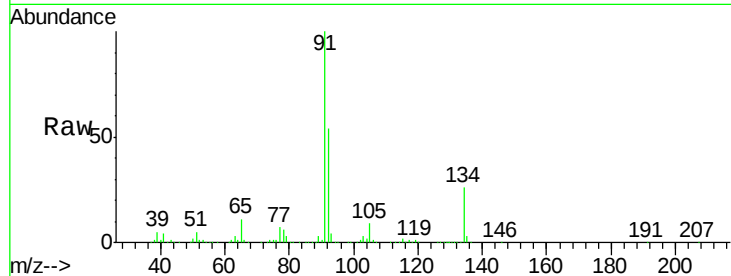
#89
n-Butylbenzene
Concen: 46.306 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.2	13.0	38.9

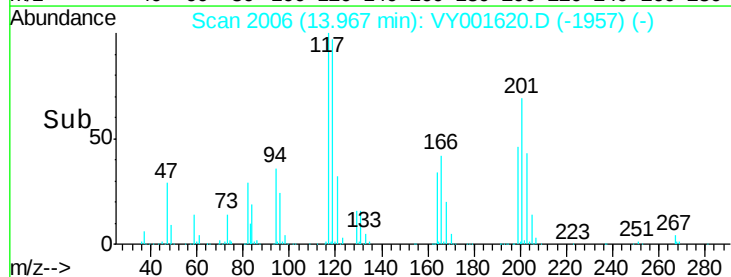
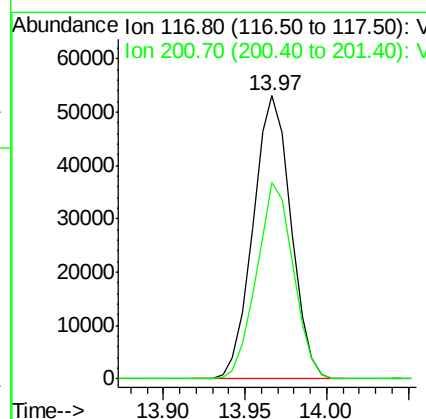
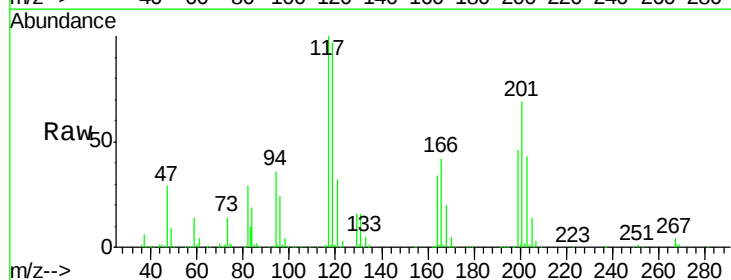
Manual Integrations
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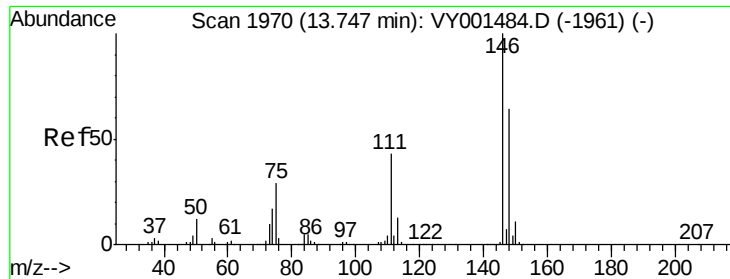
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#90
Hexachloroethane
Concen: 44.434 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.1	102.3





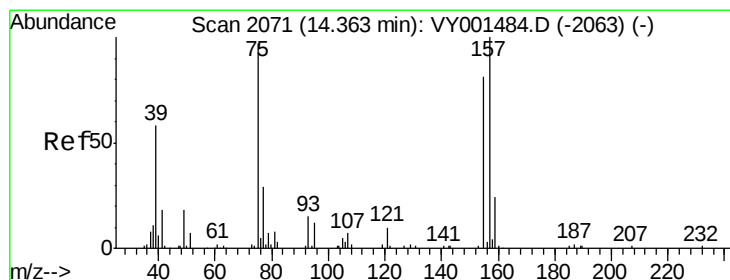
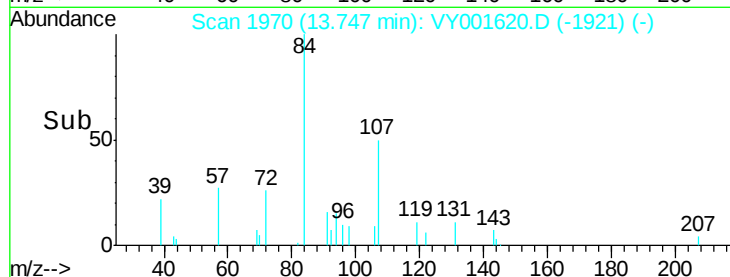
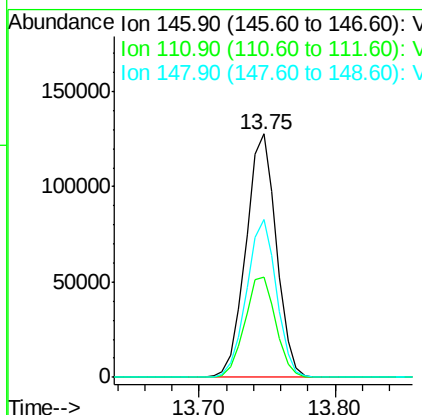
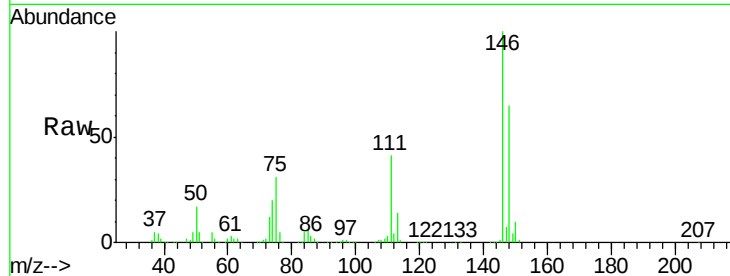
#91
 1,2-Dichlorobenzene
 Concen: 46.460 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.8
148	64.0	31.8	95.3

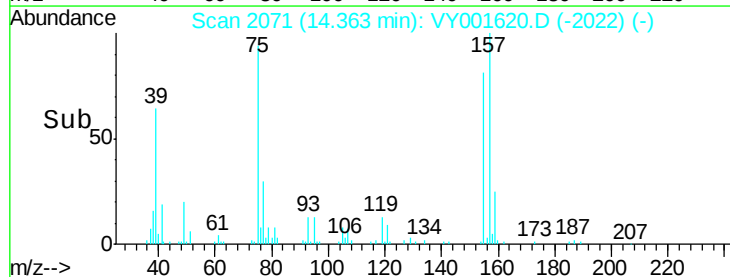
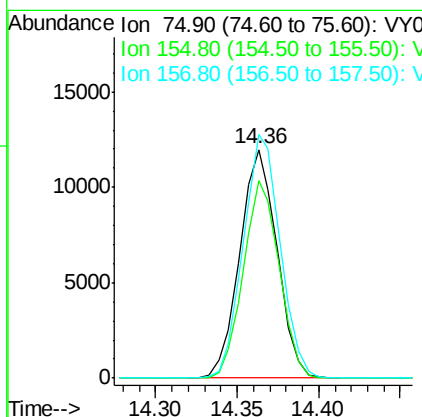
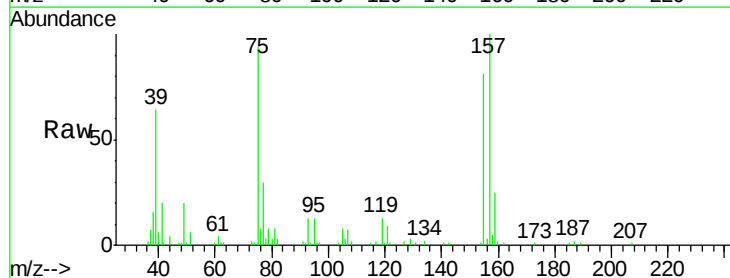
Manual Integrations
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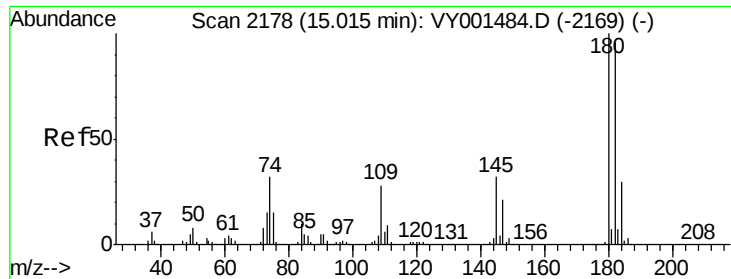
MMDadoda
 2/13/2020 12:28:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.335 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.7	122.1
157	105.9	52.3	157.1





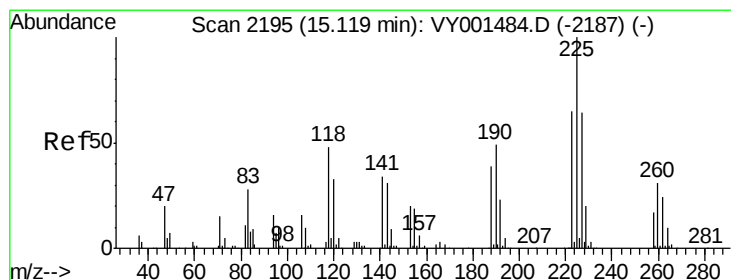
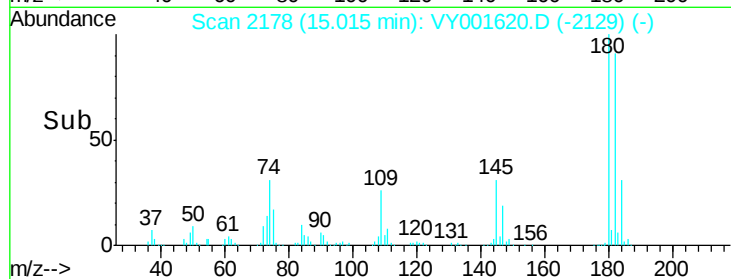
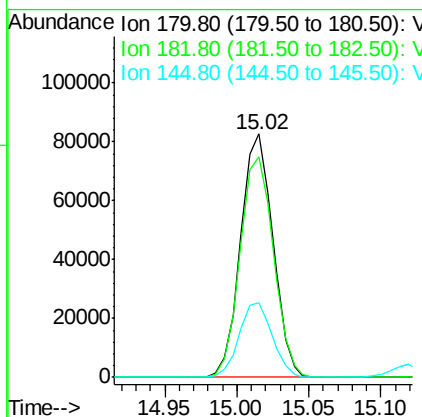
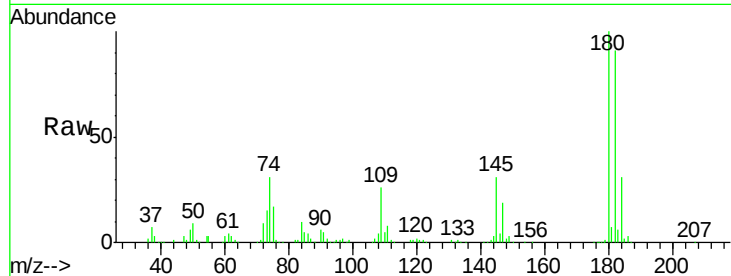
#93
 1,2,4-Trichlorobenzene
 Concen: 44.603 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129018		
182	93.6	46.9	140.7	
145	31.4	16.8	50.3	

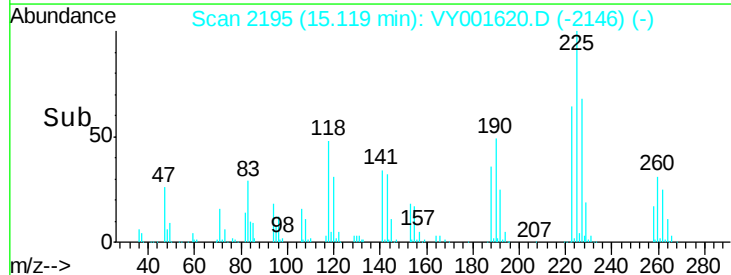
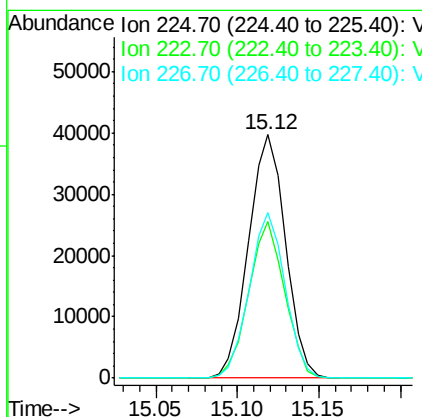
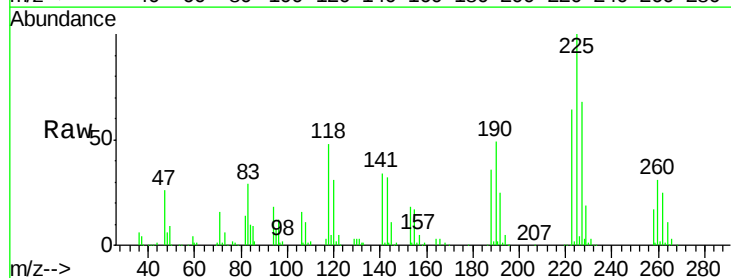
Manual Integrations
 APPROVED

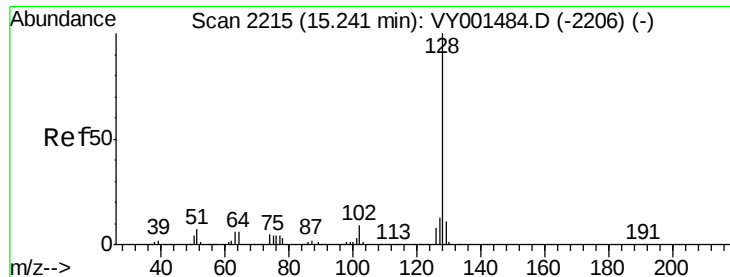
MMDadoda
 2/13/2020 12:28:04 PM



#94
 Hexachlorobutadiene
 Concen: 42.826 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62872		
223	62.6	31.9	95.7	
227	65.9	32.6	97.7	





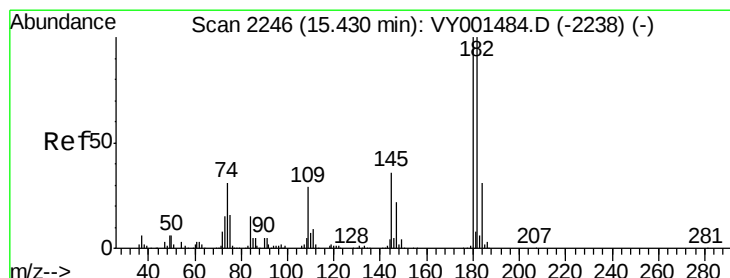
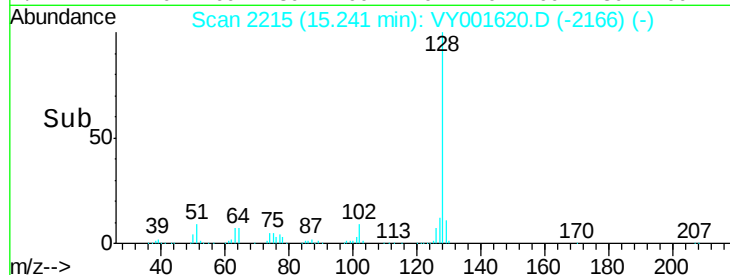
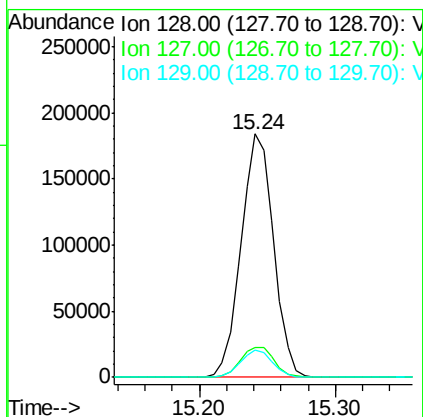
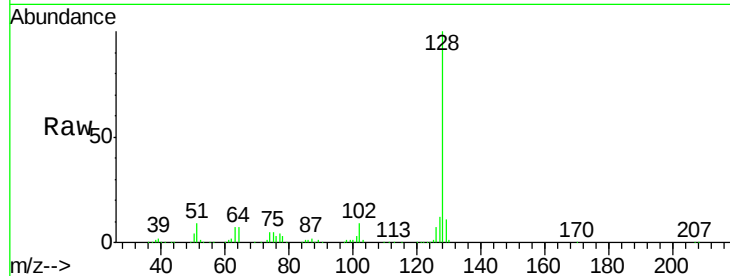
#95
Naphthalene
Concen: 45.091 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/13/2020 12:28:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.731 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	33.7	17.8	53.5

