

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000745.D
 Acq On : 20 Nov 2019 10:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:53:08 AM

Quant Time: Nov 21 07:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	214629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	349796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	114484	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	7.72	113	105762	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.18	98	431497	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
62) 4-Bromofluorobenzene	12.48	95	159300	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	96182	45.524	ug/l	98
3) Chloromethane	2.12	50	127130	43.680	ug/l	99
4) Vinyl Chloride	2.25	62	127461	47.160	ug/l	99
5) Bromomethane	2.65	94	83019	51.223	ug/l	91
6) Chloroethane	2.79	64	84651	50.043	ug/l	98
7) Trichlorofluoromethane	3.13	101	183503	50.274	ug/l	94
8) Diethyl Ether	3.53	74	62839	48.452	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	110677	50.155	ug/l	97
10) Methyl Iodide	4.09	142	132041	45.750	ug/l	100
11) Tert butyl alcohol	4.96	59	46670	215.852	ug/l	99
12) 1,1-Dichloroethene	3.87	96	105079	49.013	ug/l	90
13) Acrolein	3.74	56	37131	197.155	ug/l	99
14) Allyl chloride	4.48	41	179899	51.604	ug/l	97
15) Acrylonitrile	5.17	53	165823	249.590	ug/l	98
16) Acetone	3.95	43	171041	279.401	ug/l	99
17) Carbon Disulfide	4.19	76	313117	46.306	ug/l	99
18) Methyl Acetate	4.48	43	92034	48.351	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	295455	49.566	ug/l	99
20) Methylene Chloride	4.71	84	115878	44.176	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	118684	48.967	ug/l	97
22) Diisopropyl ether	6.12	45	404077	53.328	ug/l	97
23) Vinyl Acetate	6.07	43	1239282	259.093	ug/l	99
24) 1,1-Dichloroethane	6.02	63	210168	51.199	ug/l	99
25) 2-Butanone	6.99	43	258754	264.850	ug/l	95
26) 2,2-Dichloropropane	6.99	77	189950	50.635	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	134966	50.925	ug/l	99
28) Bromochloromethane	7.34	49	98384	52.344	ug/l	95
29) Tetrahydrofuran	7.35	42	151132	252.864	ug/l	98
30) Chloroform	7.52	83	218260	52.560	ug/l	99
31) Cyclohexane	7.79	56	203928	47.432	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	189881	51.307	ug/l	98
36) 1,1-Dichloropropene	7.93	75	168287	50.891	ug/l	100
37) Ethyl Acetate	7.08	43	92050	46.886	ug/l	98
38) Carbon Tetrachloride	7.90	117	167899	52.767	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	220289	51.564	ug/l	98
40) Benzene	8.16	78	497992	51.367	ug/l	98
41) Methacrylonitrile	7.32	41	50439m	46.054	ug/l	
42) 1,2-Dichloroethane	8.24	62	143168	52.067	ug/l	100
43) Isopropyl Acetate	8.28	43	189621	51.416	ug/l	99
44) Trichloroethene	8.94	130	133637	52.281	ug/l	93
45) 1,2-Dichloropropane	9.22	63	126971	53.214	ug/l	94
46) Dibromomethane	9.31	93	68147	51.932	ug/l	97
47) Bromodichloromethane	9.50	83	168104	53.988	ug/l	100
48) Methyl methacrylate	9.30	41	85500	53.060	ug/l	95
49) 1,4-Dioxane	9.30	88	17861	1011.332	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	506773	258.450	ug/l	99
52) Toluene	10.24	92	325473	53.101	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	180347	54.208	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	204103	53.551	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	100204	52.794	ug/l	93
56) Ethyl methacrylate	10.51	69	145931	54.247	ug/l	97
57) 1,3-Dichloropropane	10.79	76	176769	53.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	327295	269.120	ug/l	99
59) 2-Hexanone	10.83	43	379914	265.927	ug/l	99
60) Dibromochloromethane	10.99	129	113410	52.166	ug/l	99
61) 1,2-Dibromoethane	11.09	107	95671	52.425	ug/l	98
64) Tetrachloroethene	10.72	164	137164	51.681	ug/l	97
65) Chlorobenzene	11.52	112	342094	52.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	121772	53.955	ug/l	98
67) Ethyl Benzene	11.59	91	632332	52.797	ug/l	99
68) m/p-Xylenes	11.70	106	488951	105.480	ug/l	98
69) o-Xylene	12.03	106	232194	53.297	ug/l	96
70) Styrene	12.04	104	402511	53.956	ug/l	99
71) Bromoform	12.20	173	68266	52.588	ug/l #	100
73) Isopropylbenzene	12.33	105	631993	51.540	ug/l	99
74) N-amyl acetate	12.14	43	184983	52.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	123668	50.935	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	86306m	45.685	ug/l	
77) Bromobenzene	12.61	156	138961	49.973	ug/l	99
78) n-propylbenzene	12.67	91	770712	52.091	ug/l	100
79) 2-Chlorotoluene	12.75	91	417580	50.839	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	527430	51.645	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	43749	51.924	ug/l	99
82) 4-Chlorotoluene	12.85	91	445718	52.350	ug/l	98
83) tert-Butylbenzene	13.07	119	452069	51.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	533451	52.462	ug/l	99
85) sec-Butylbenzene	13.25	105	664159	53.460	ug/l	100
86) p-Isopropyltoluene	13.37	119	587139	53.027	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	283517	52.054	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	280191	51.481	ug/l	100
89) n-Butylbenzene	13.69	91	586863	53.739	ug/l	99
90) Hexachloroethane	13.96	117	107685	52.608	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	257780	52.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20610	47.964	ug/l	99

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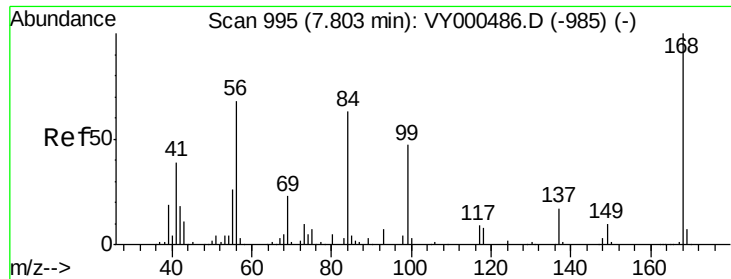
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	171366	50.929	ug/l	96
94) Hexachlorobutadiene	15.11	225	87609	50.510	ug/l	98
95) Naphthalene	15.23	128	367139	49.151	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	147411	48.832	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 214629

Ion Ratio Lower Upper

168 100

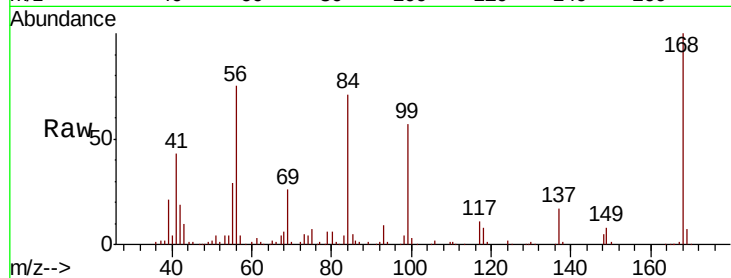
99 56.4 45.7 68.5

Manual Integrations

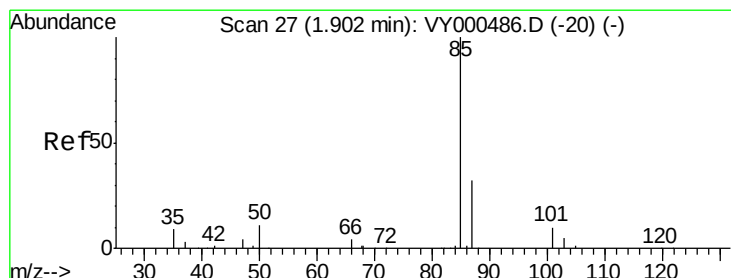
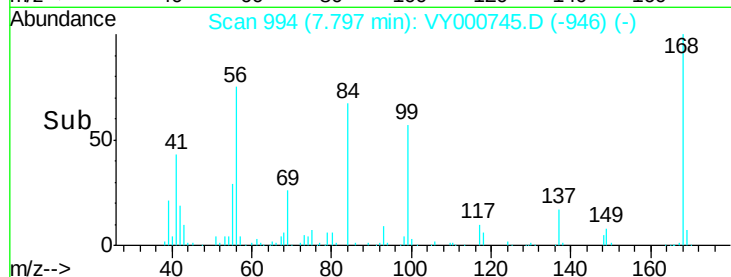
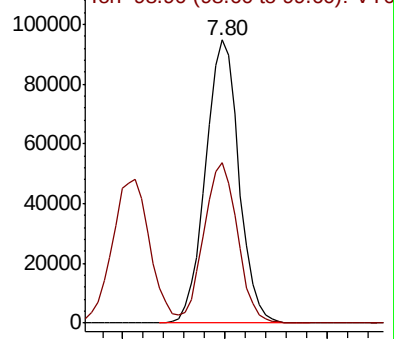
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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: 45.524 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000745.D

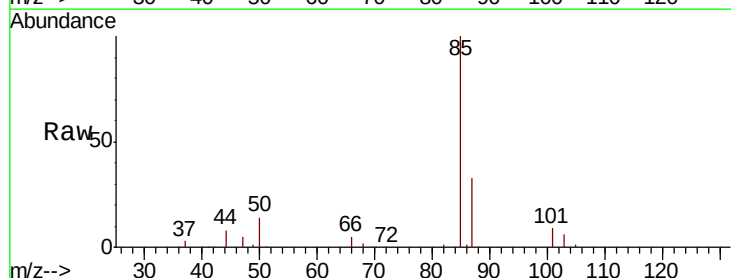
Acq: 20 Nov 2019 10:51

Tgt Ion: 85 Resp: 96182

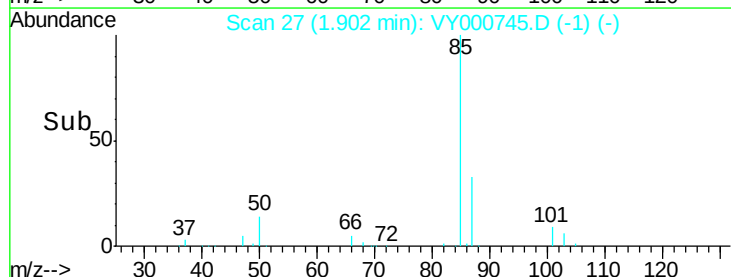
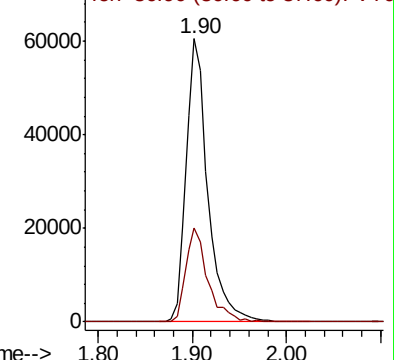
Ion Ratio Lower Upper

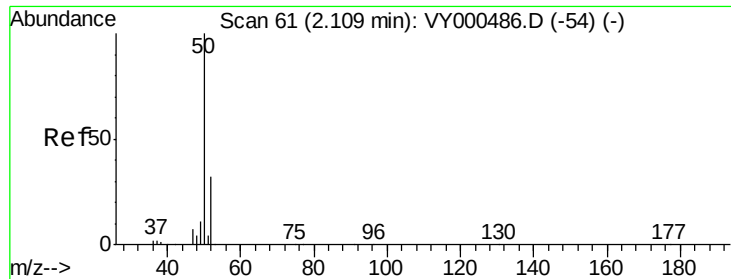
85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)





#3

Chloromethane

Concen: 43.680 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 127130

Ion Ratio Lower Upper

50 100

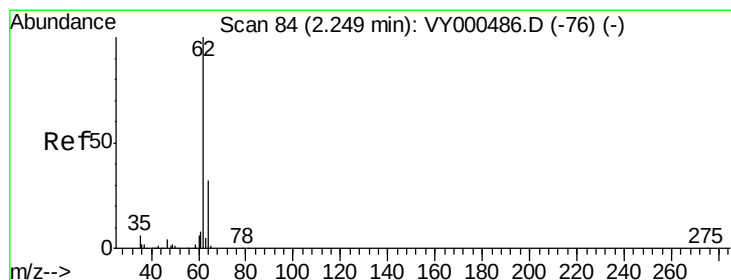
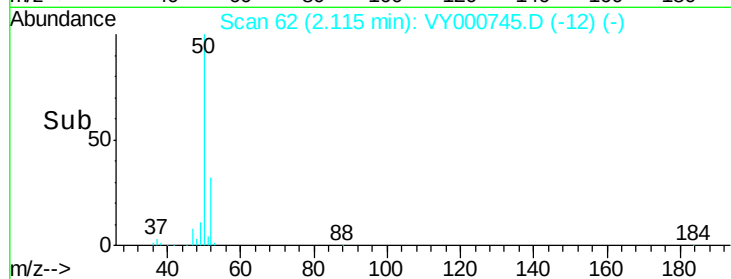
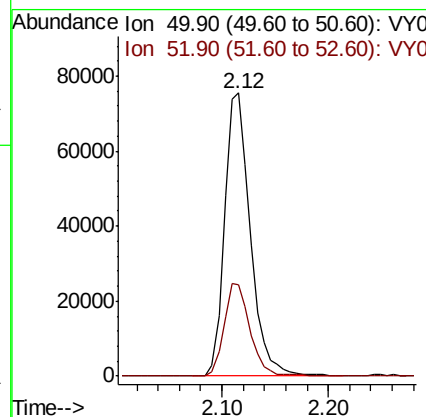
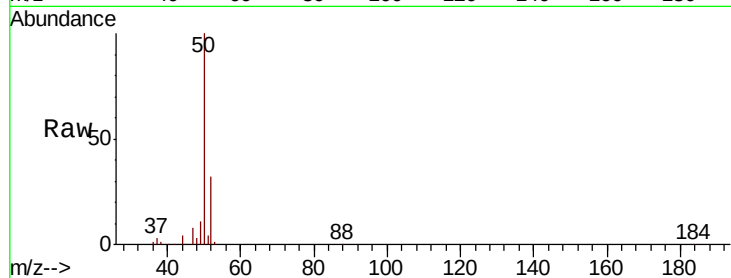
52 32.1 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.160 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000745.D

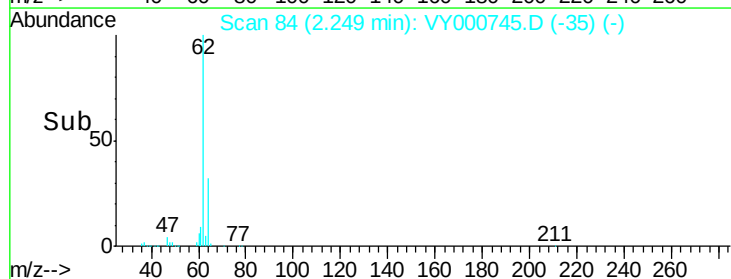
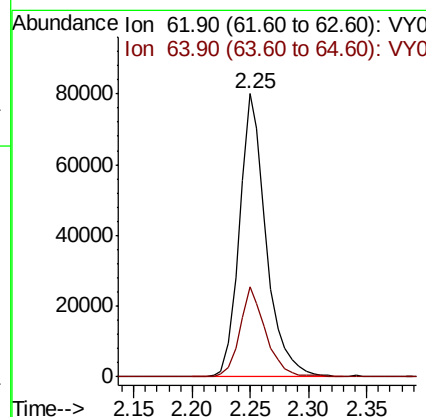
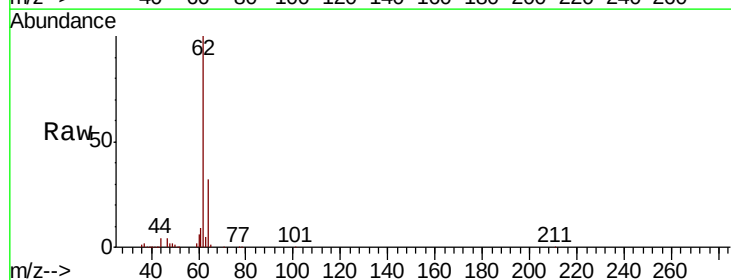
Acq: 20 Nov 2019 10:51

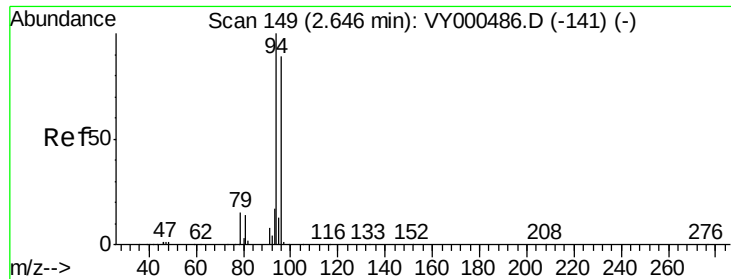
Tgt Ion: 62 Resp: 127461

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 51.223 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83019

Ion Ratio Lower Upper

94 100

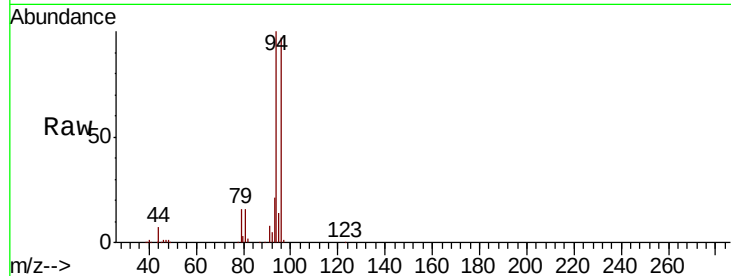
96 97.1 71.2 106.8

Manual Integrations

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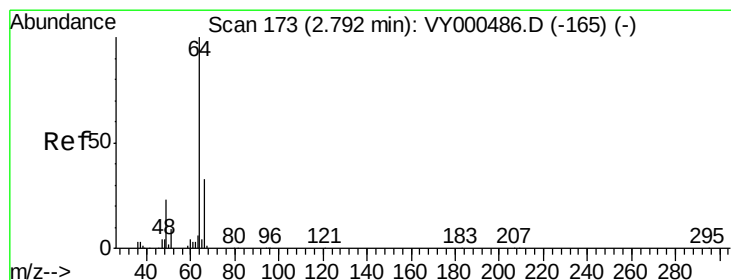
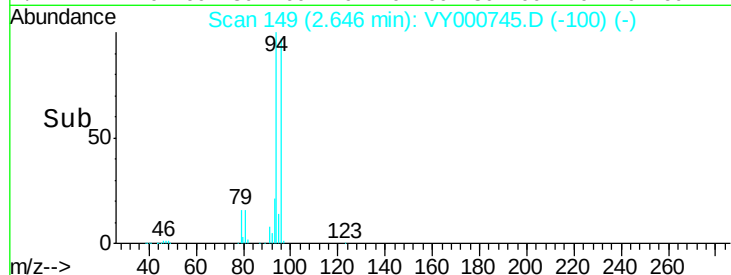
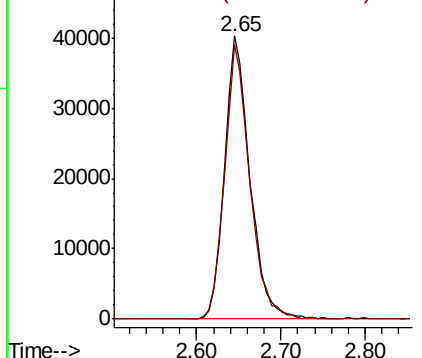
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.043 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000745.D

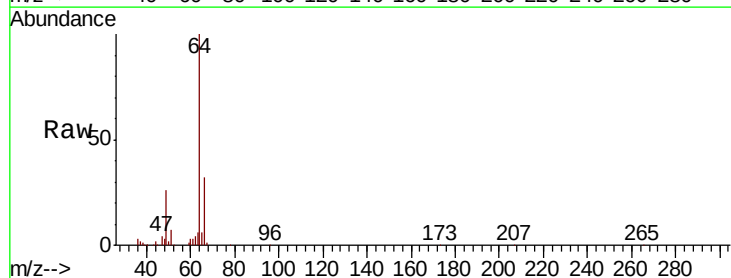
Acq: 20 Nov 2019 10:51

Tgt Ion: 64 Resp: 84651

Ion Ratio Lower Upper

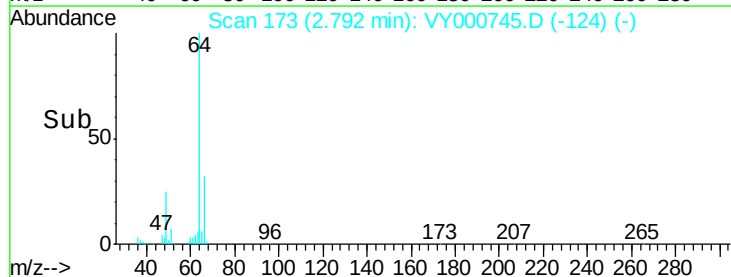
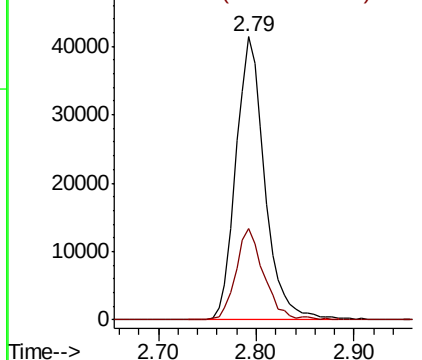
64 100

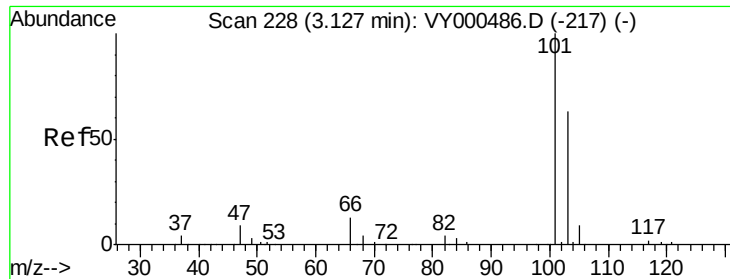
66 32.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

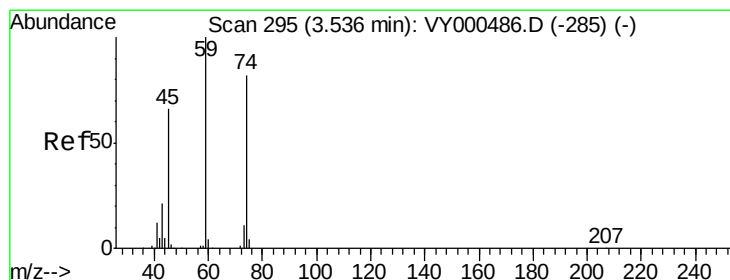
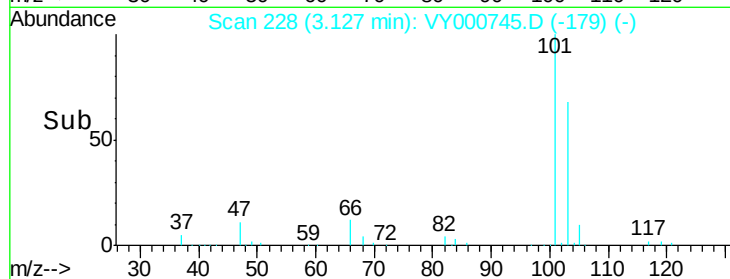
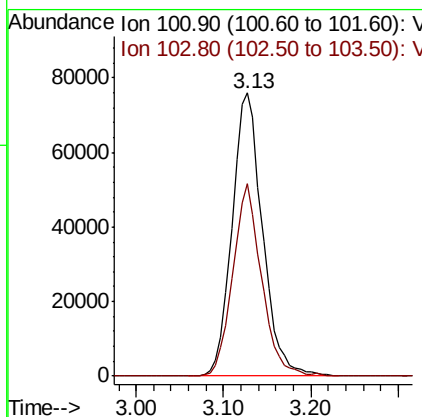
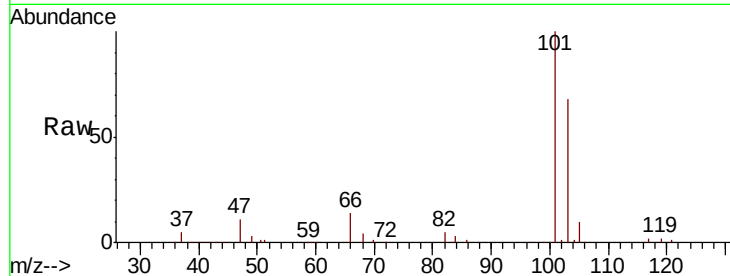
Trichlorofluoromethane
Concen: 50.274 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.5	75.7

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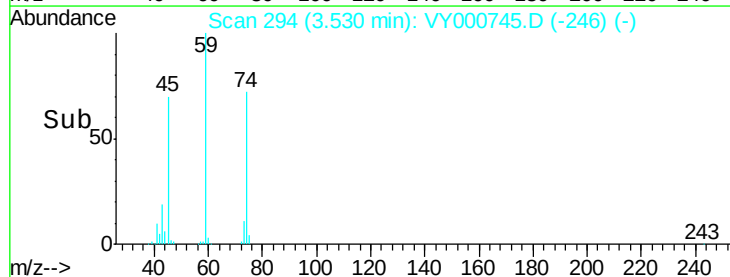
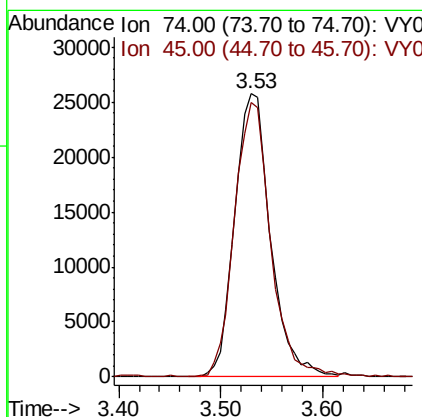
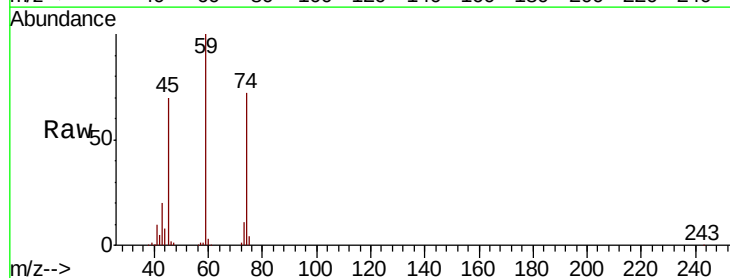
MMDadoda
11/22/2019 12:53:08 AM

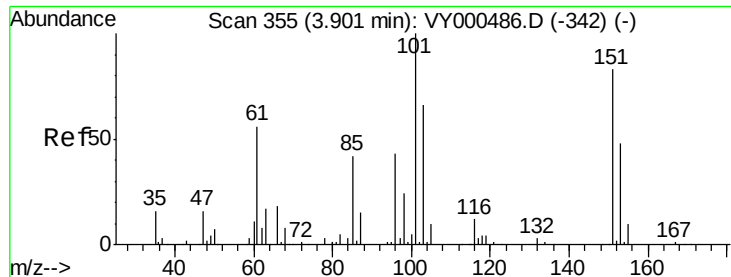


#8

Diethyl Ether
Concen: 48.452 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	45.5	136.4





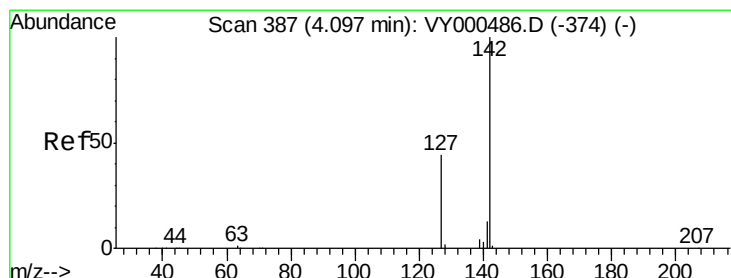
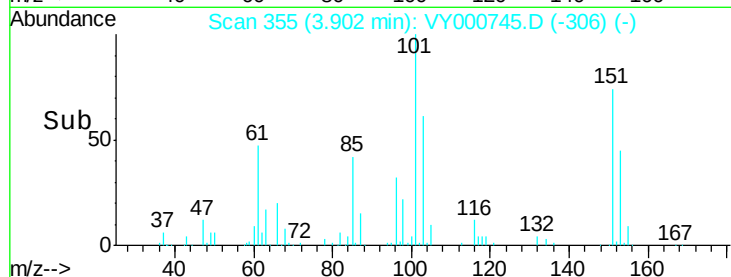
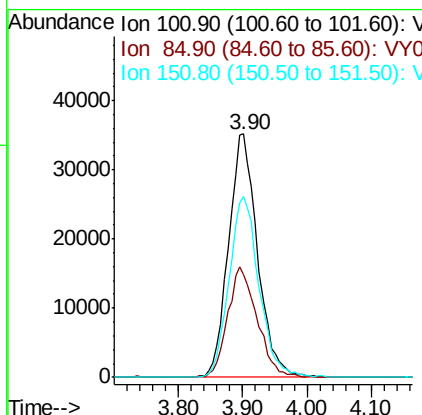
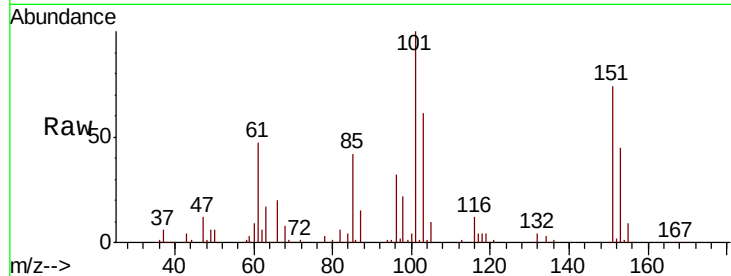
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.155 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	110677		
85	45.9	36.7	55.1	
151	76.7	64.3	96.5	

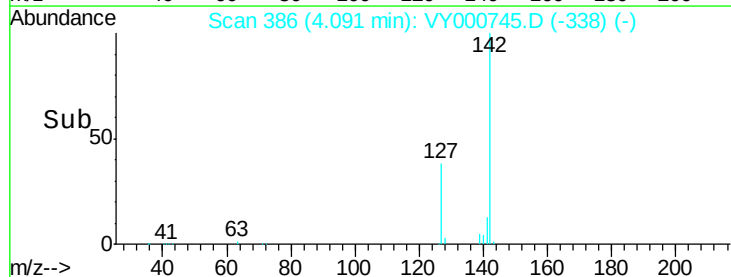
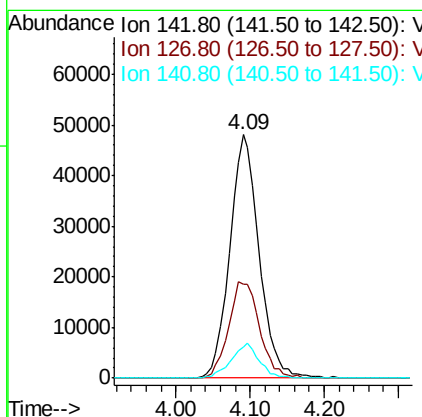
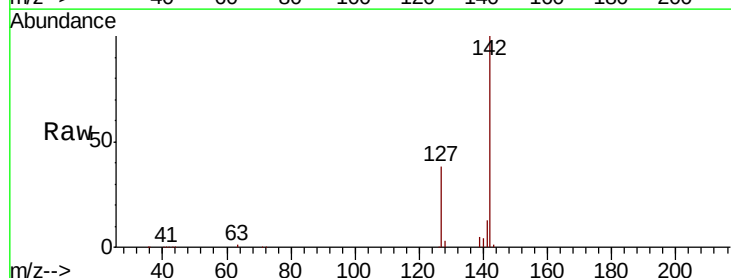
Manual Integrations
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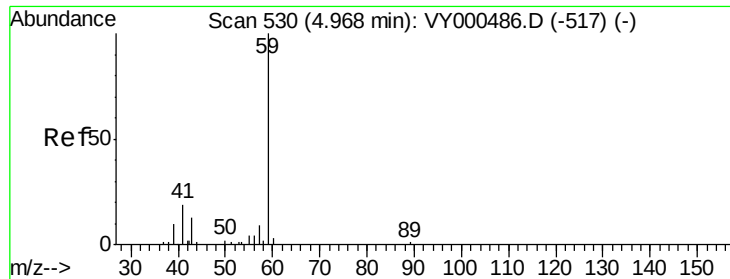
MMDadoda
 11/22/2019 12:53:08 AM



#10
 Methyl Iodide
 Concen: 45.750 ug/l
 RT: 4.09 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	132041		
127	42.2	33.7	50.5	
141	13.7	10.9	16.3	





#11

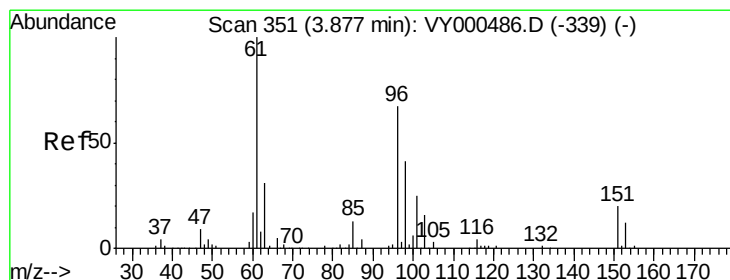
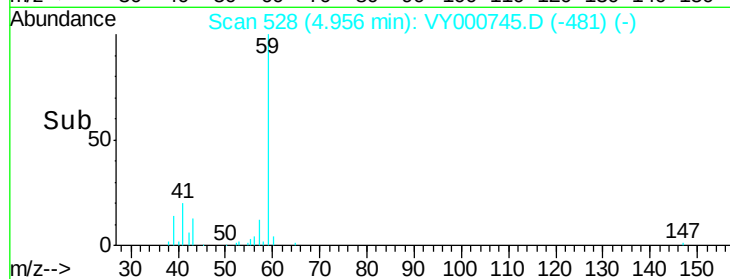
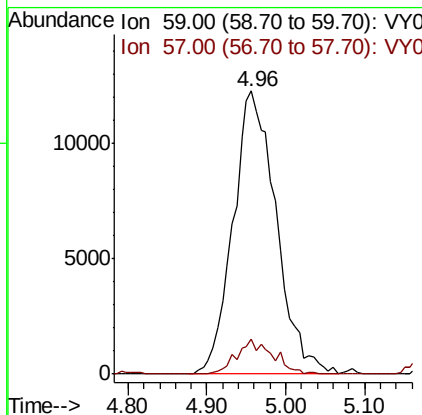
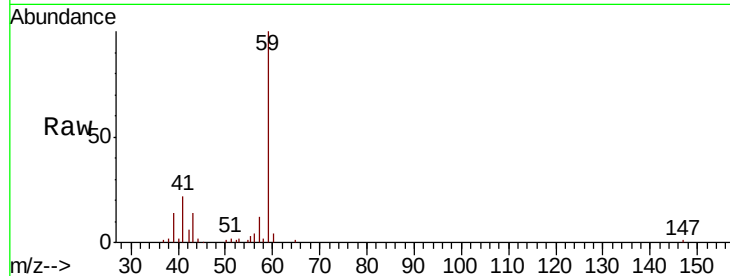
Tert butyl alcohol
 Concen: 215.852 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.4	8.6	12.8

Manual Integrations
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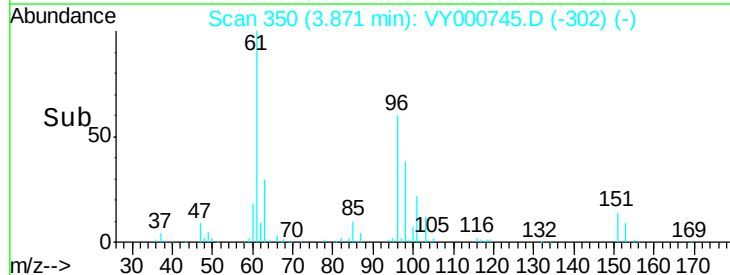
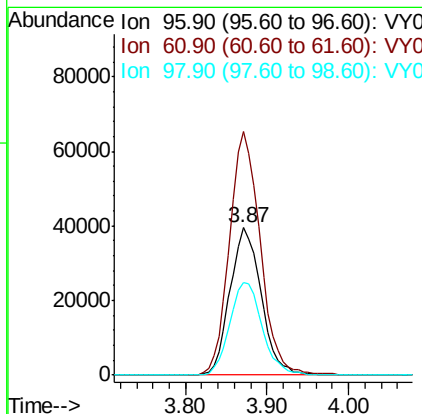
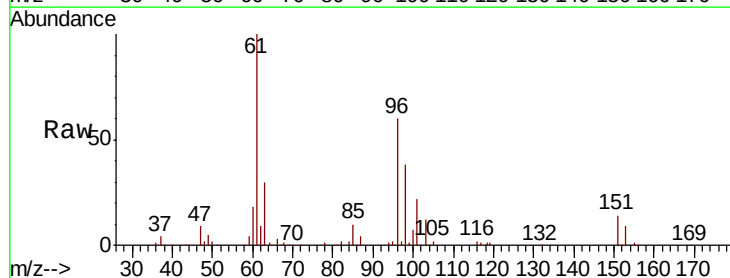
MMDadoda
 11/22/2019 12:53:08 AM

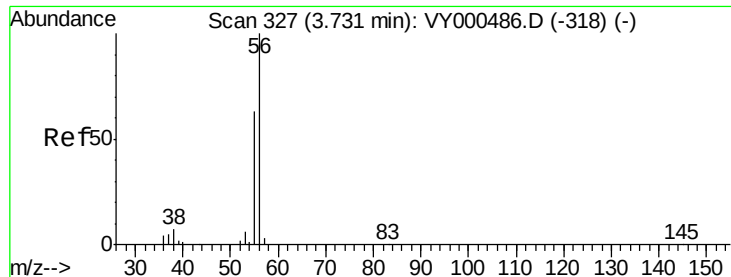


#12

1,1-Dichloroethene
 Concen: 49.013 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	165.5	119.2	178.8
98	98	62.6	48.6	73.0





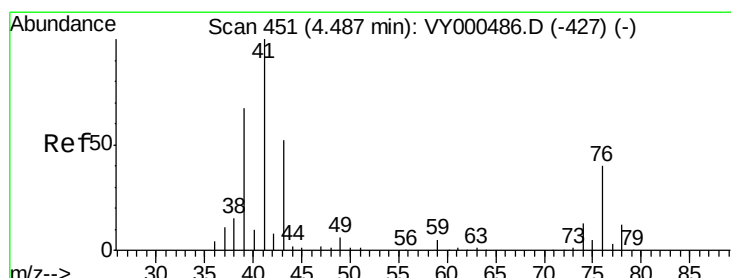
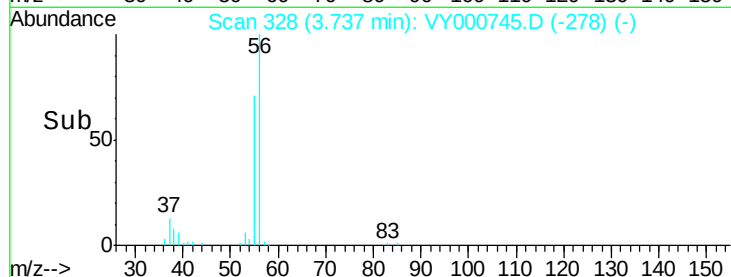
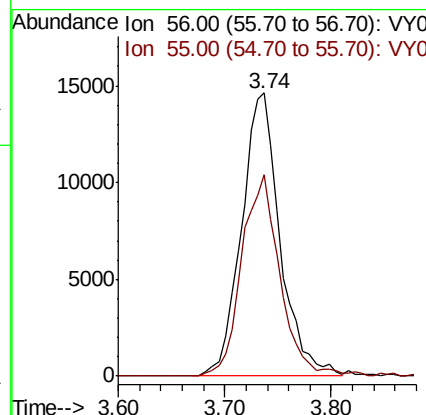
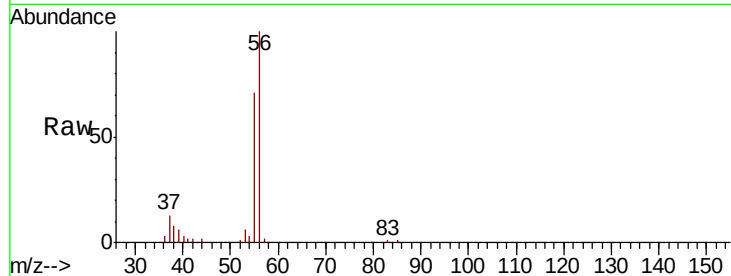
#13
Acrolein
Concen: 197.155 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	37131
Ion Ratio	100	Lower	Upper
55	70.7	57.0	85.6

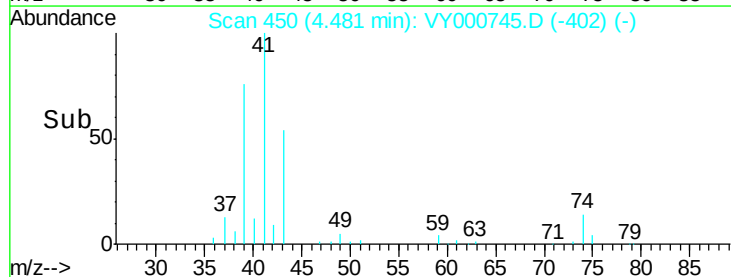
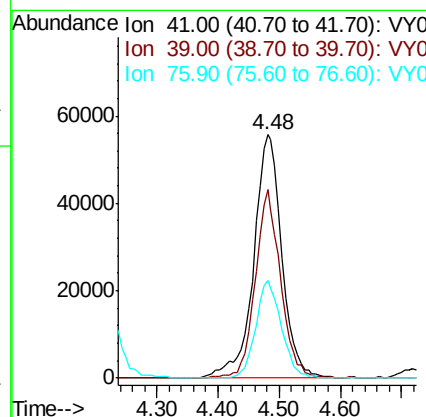
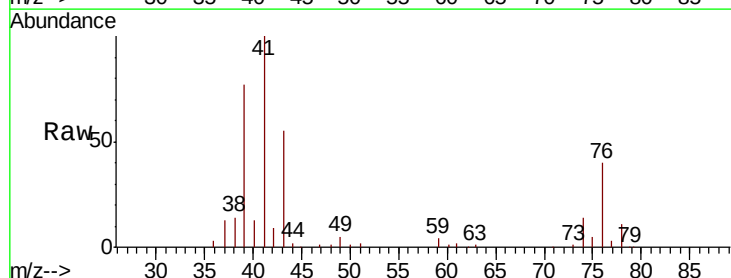
Manual Integrations
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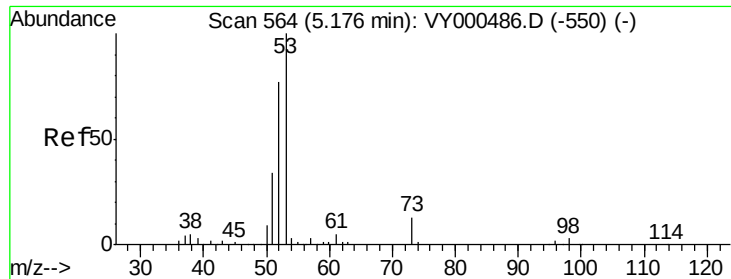
MMDadoda
11/22/2019 12:53:08 AM



#14
Allyl chloride
Concen: 51.604 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	41	Resp	179899
Ion Ratio	100	Lower	Upper
39	69.8	53.6	80.4
76	36.6	29.8	44.6





#15

Acrylonitrile

Concen: 249.590 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

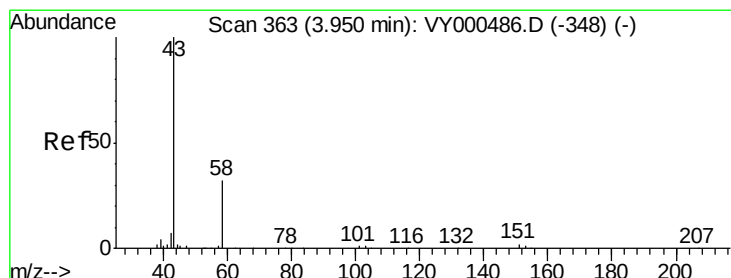
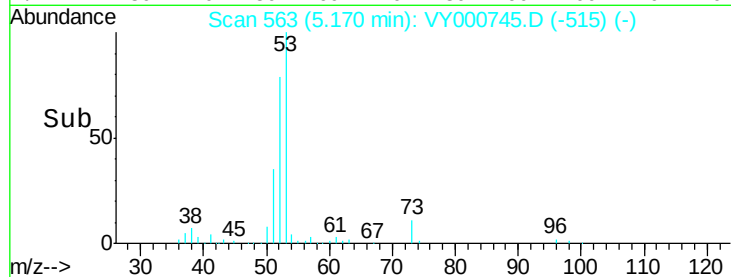
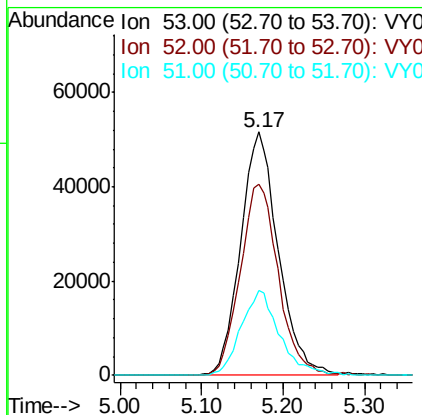
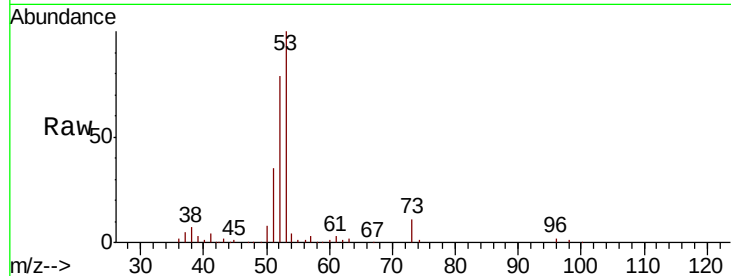
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	165823
Ion Ratio	Lower	Upper	
53	100		
52	79.5	64.9	97.3
51	35.7	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 279.401 ug/l

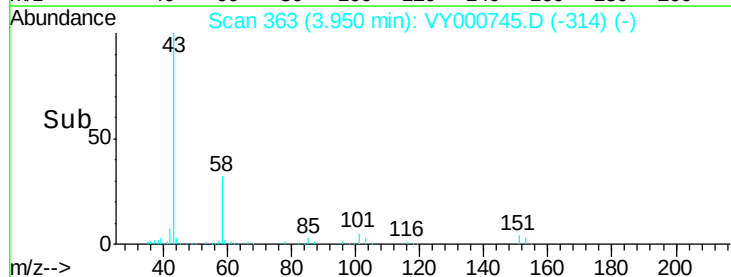
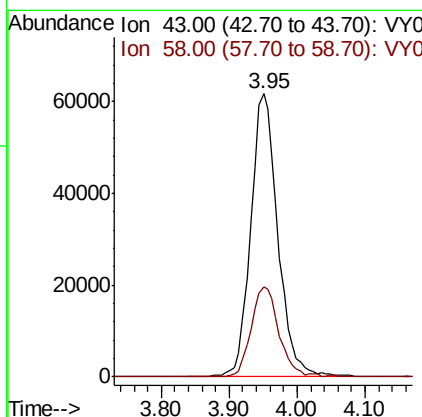
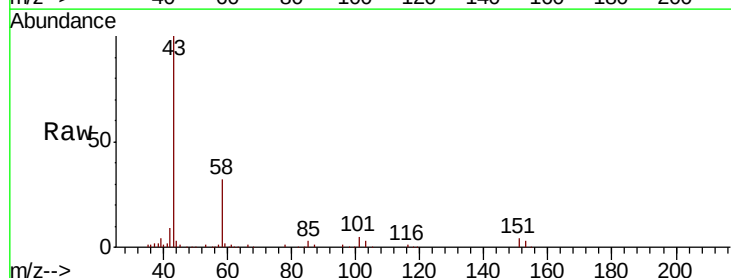
RT: 3.95 min Scan# 363

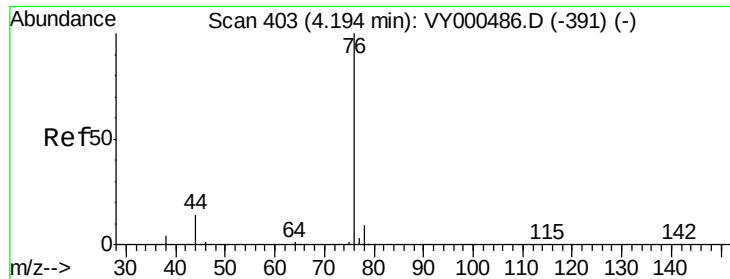
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	43	Resp:	171041
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.8	38.6





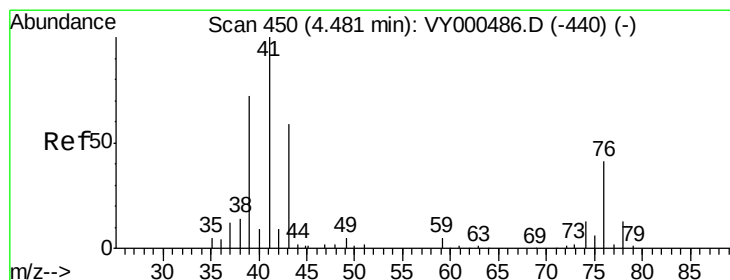
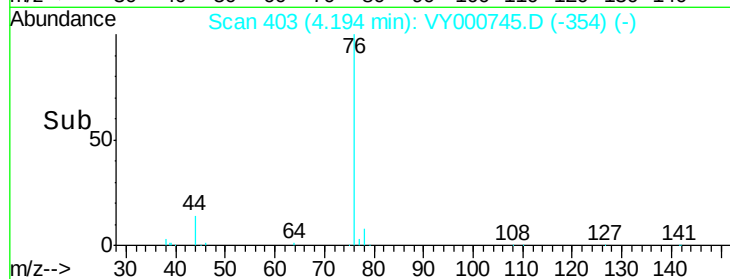
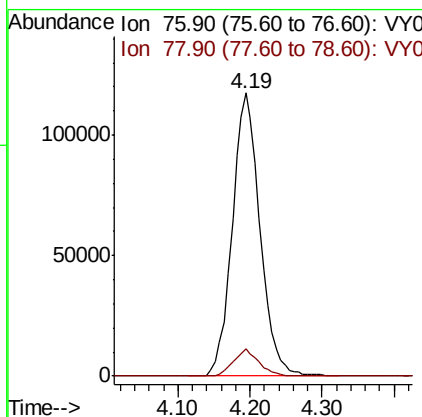
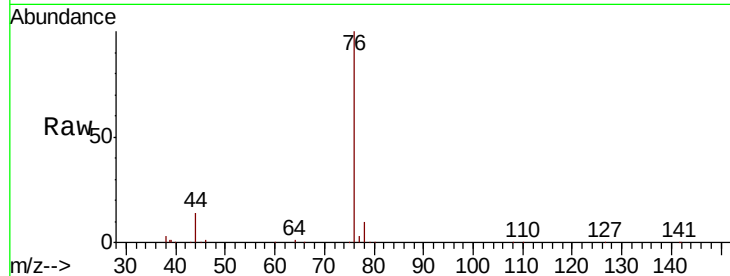
#17
Carbon Disulfide
Concen: 46.306 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

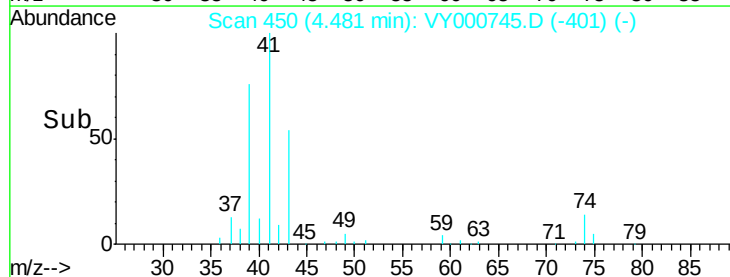
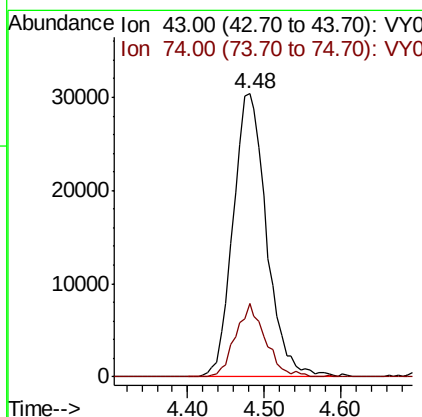
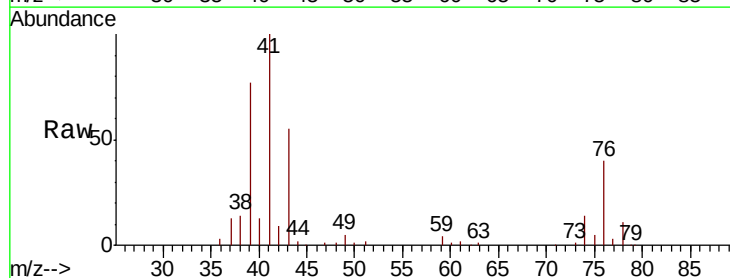
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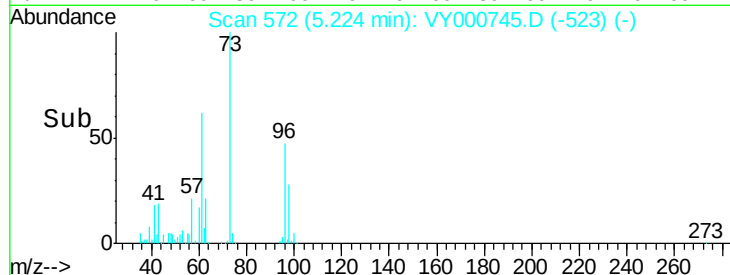
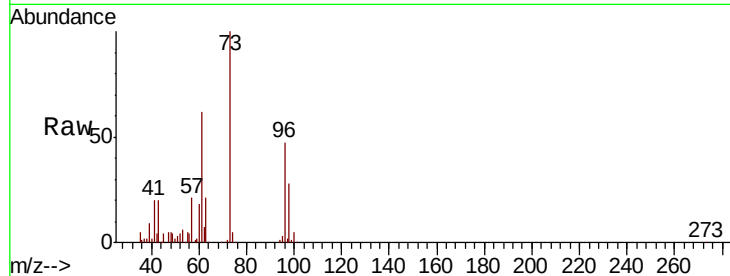
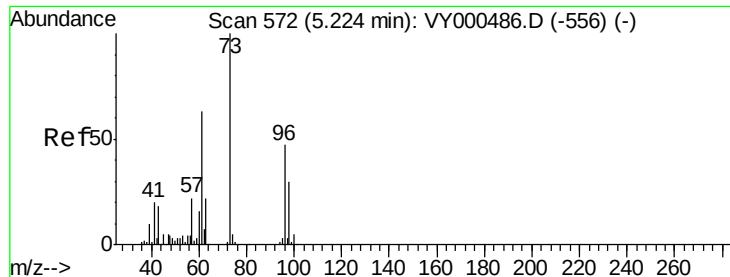
MMDadoda
11/22/2019 12:53:08 AM



#18
Methyl Acetate
Concen: 48.351 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.2	28.8





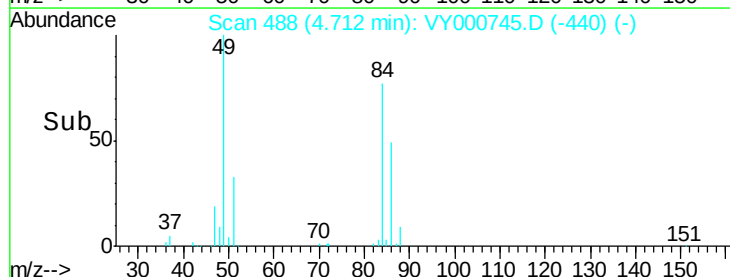
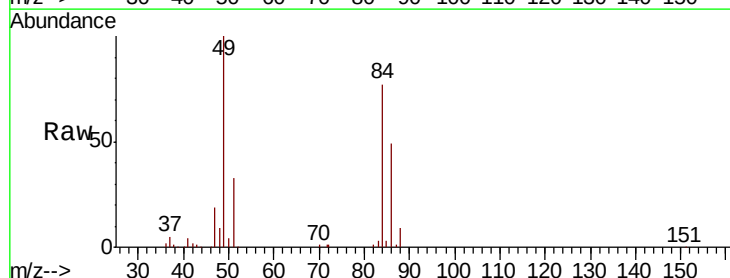
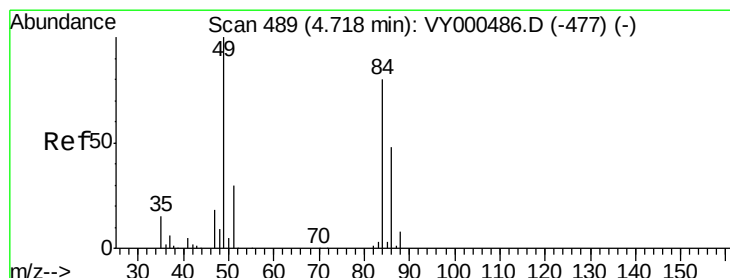
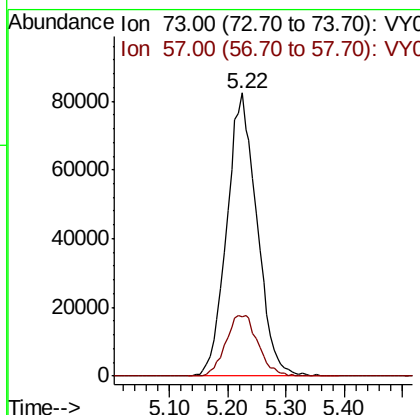
#19
Methyl tert-butyl Ether
Concen: 49.566 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tot Ion: 73 Resp: 295455
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

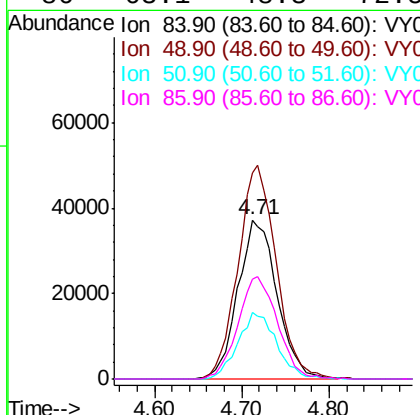
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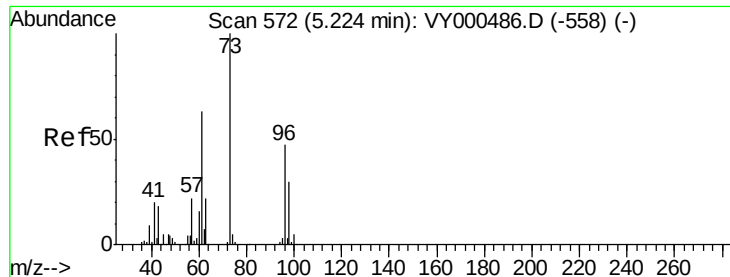
MMDadoda
11/22/2019 12:53:08 AM



#20
Methylene Chloride
Concen: 44.176 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion: 84 Resp: 115878
Ion Ratio Lower Upper
84 100
49 129.8 100.2 150.4
51 42.3 29.6 44.4
86 63.1 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 48.967 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 118684

Ion Ratio Lower Upper

96 100

61 131.3 106.6 160.0

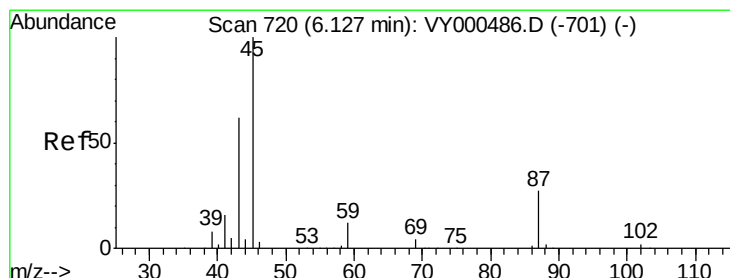
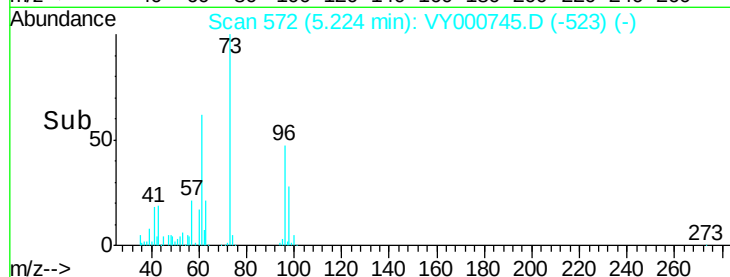
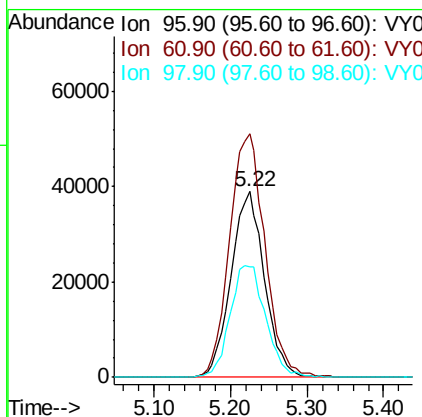
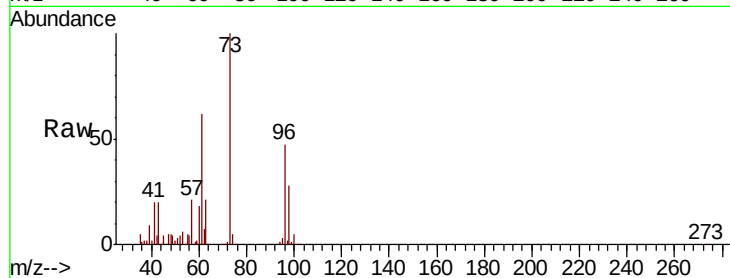
98 59.8 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.328 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion: 45 Resp: 404077

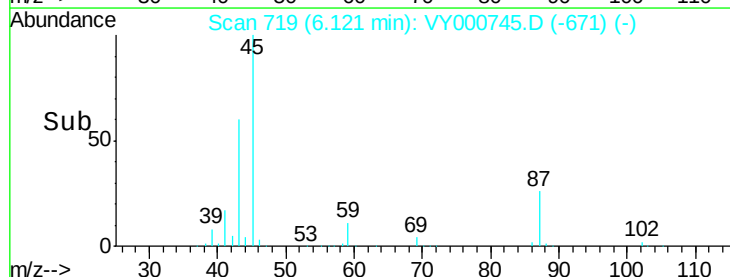
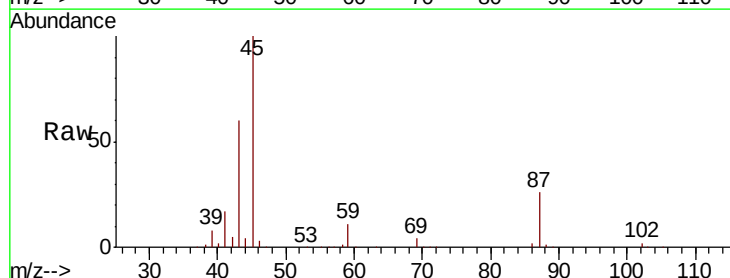
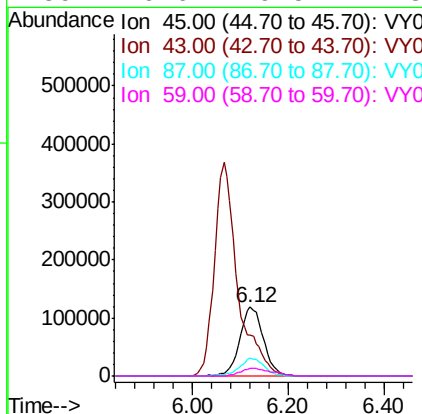
Ion Ratio Lower Upper

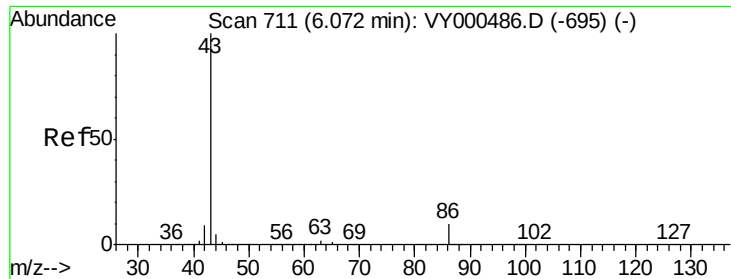
45 100

43 59.8 50.0 75.0

87 26.1 21.6 32.4

59 10.6 9.5 14.3





#23

Vinyl Acetate

Concen: 259.093 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1239282

Ion Ratio Lower Upper

43 100

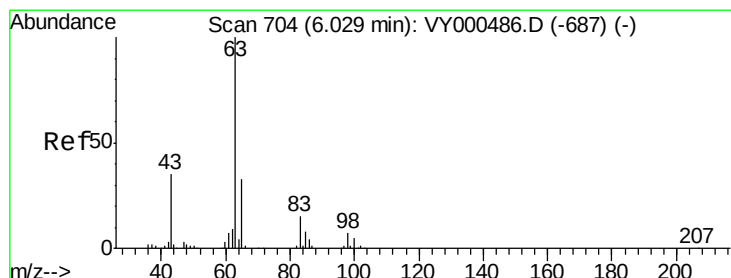
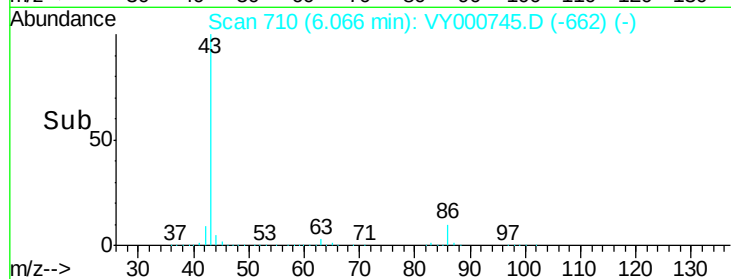
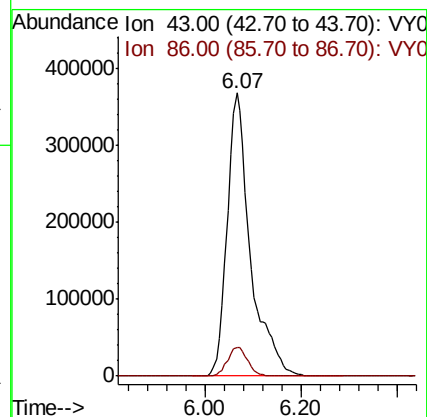
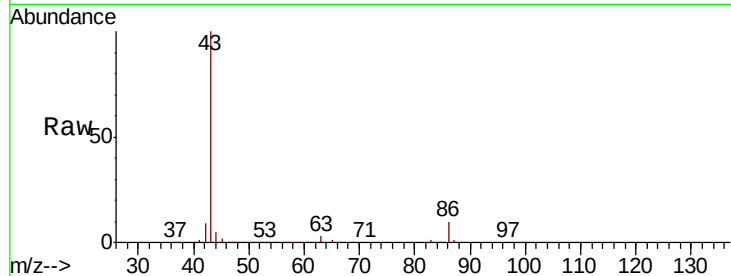
86 10.1 7.8 11.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.199 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

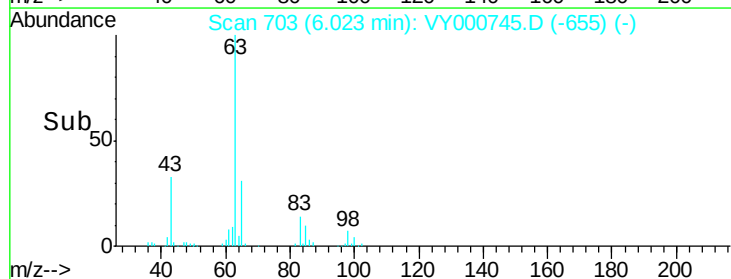
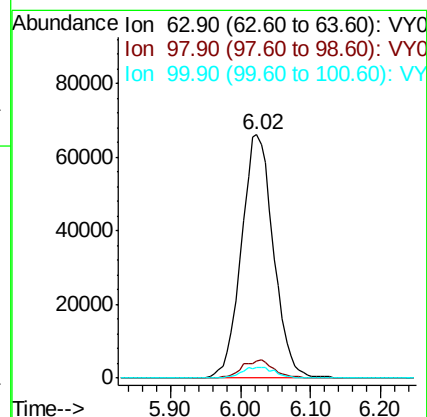
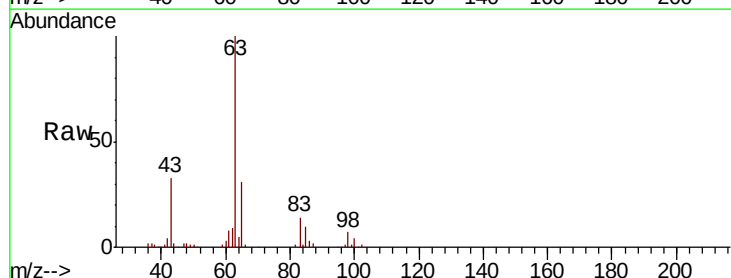
Tgt Ion: 63 Resp: 210168

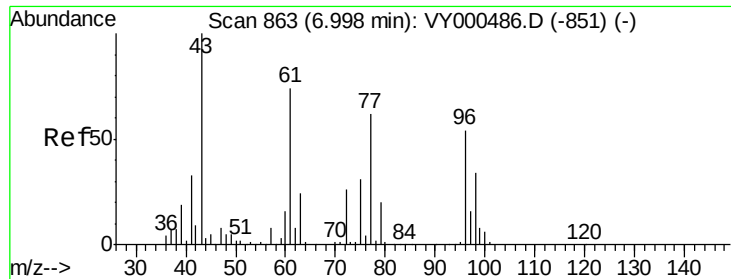
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 264.850 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 258754

Ion Ratio Lower Upper

43 100

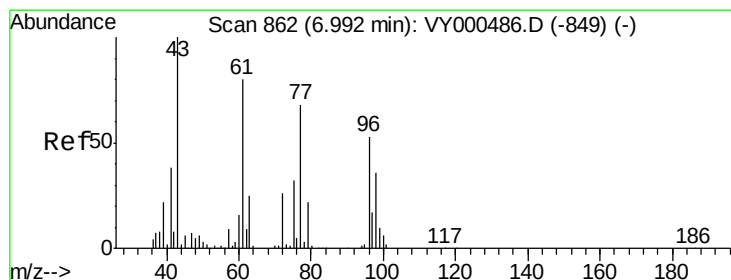
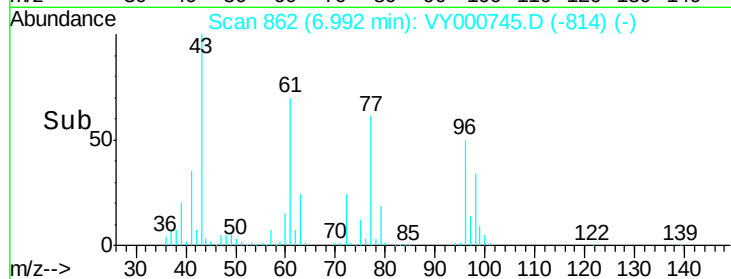
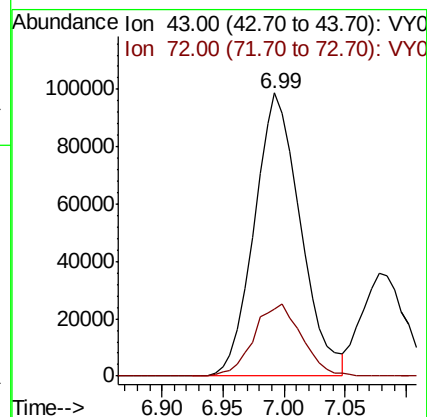
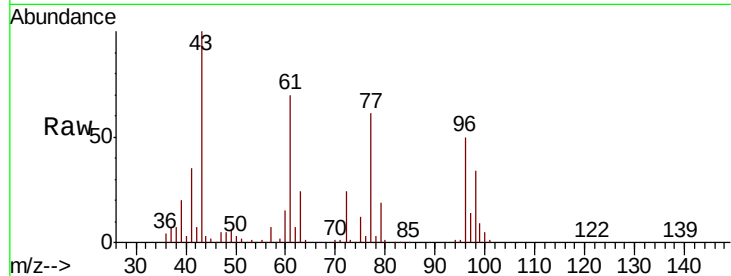
72 23.5 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.635 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000745.D

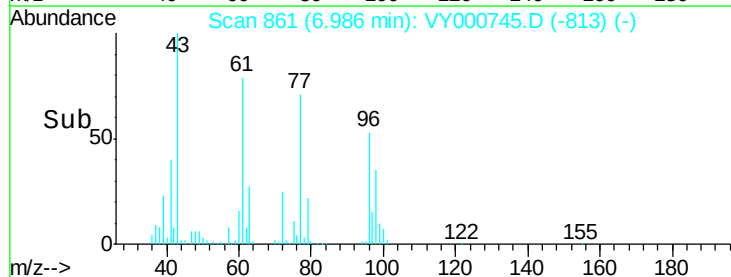
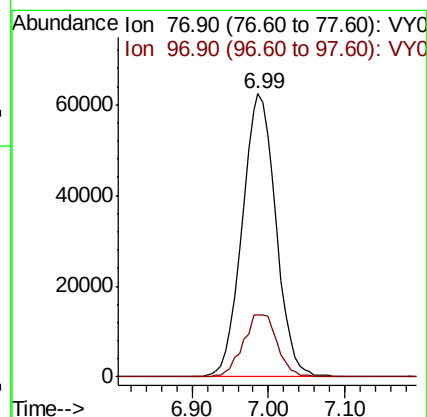
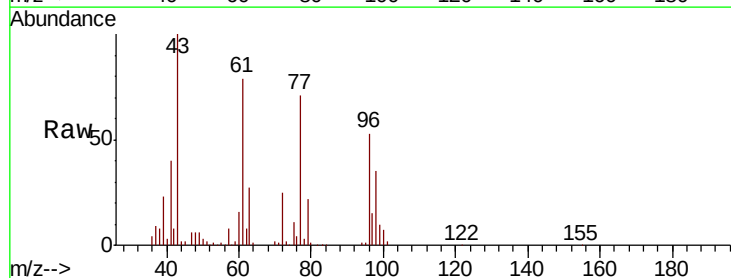
Acq: 20 Nov 2019 10:51

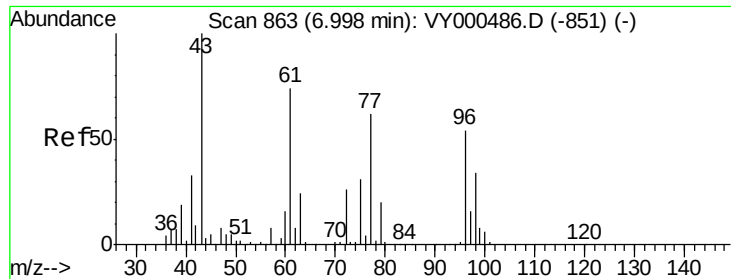
Tgt Ion: 77 Resp: 189950

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4





#27

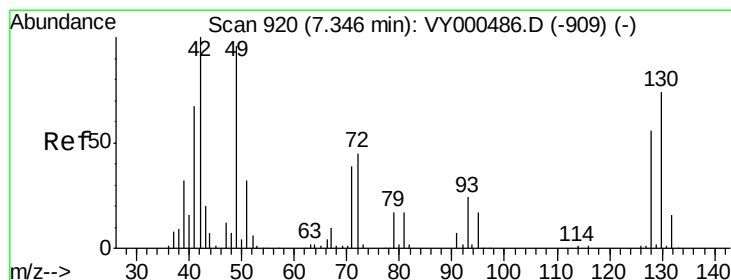
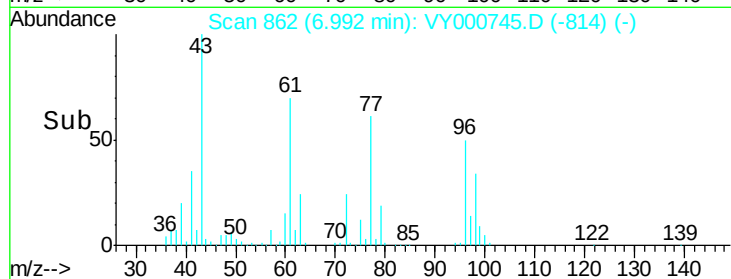
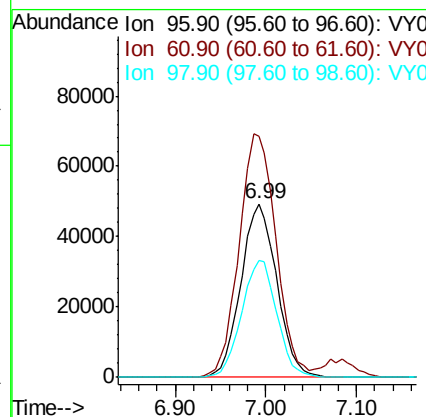
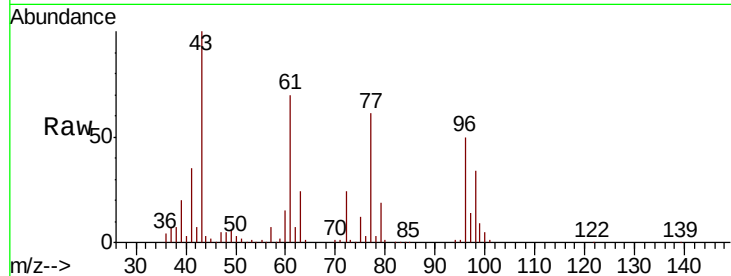
cis-1,2-Dichloroethene
Concen: 50.925 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.8	0.0	287.0	
98	66.3	0.0	129.4	

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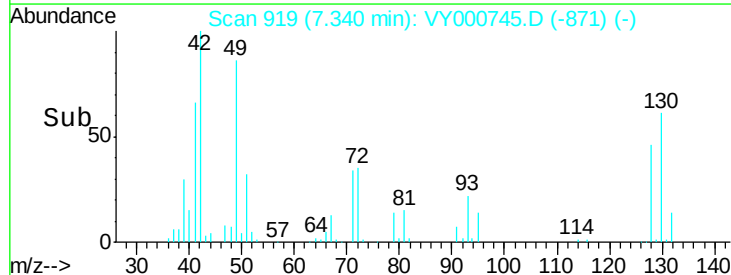
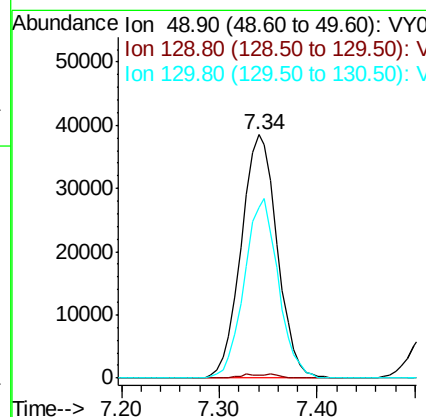
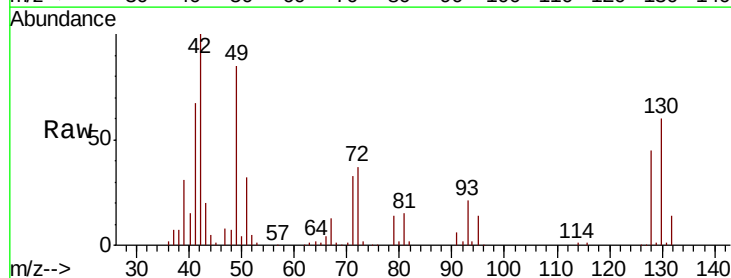
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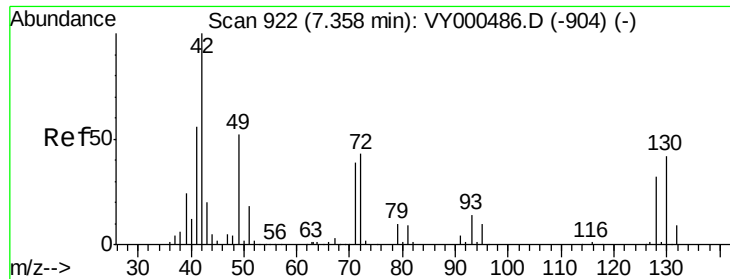


#28

Bromochloromethane
Concen: 52.344 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	69.8	59.4	89.0	





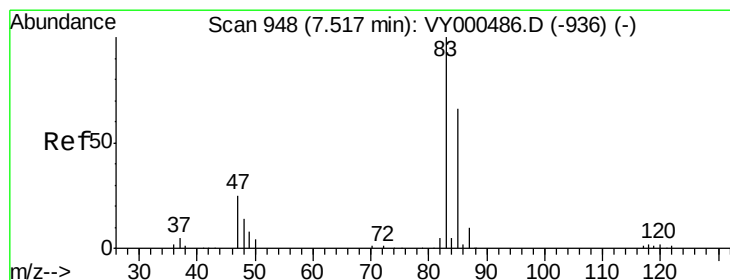
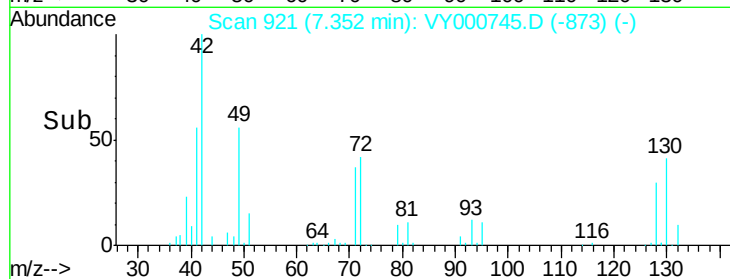
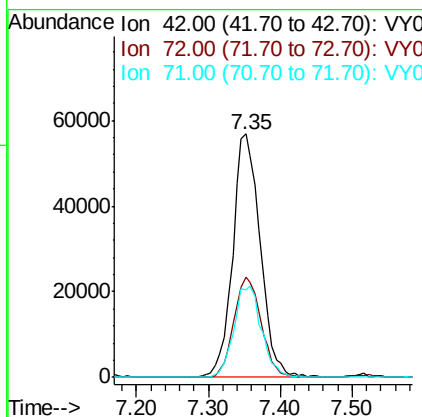
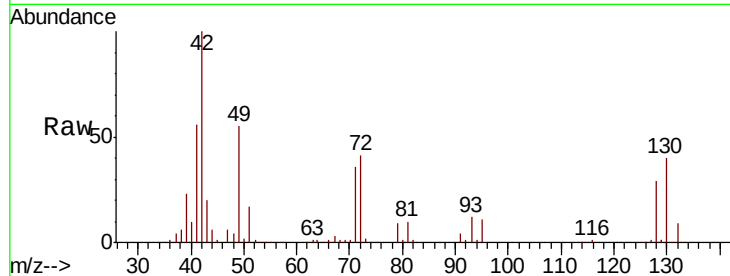
#29
Tetrahydrofuran
Concen: 252.864 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.0	51.0
71	37.8	30.8	46.2

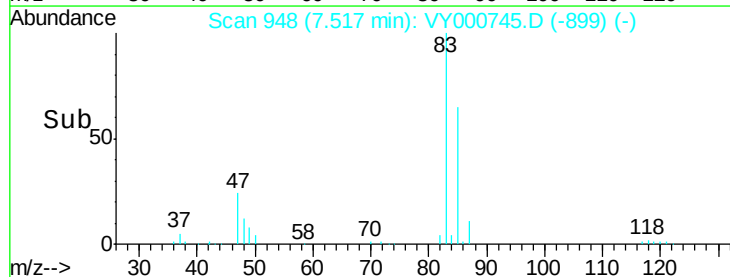
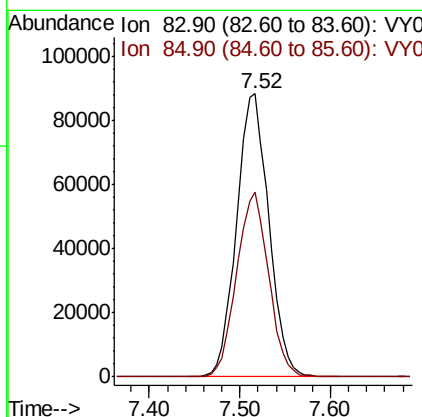
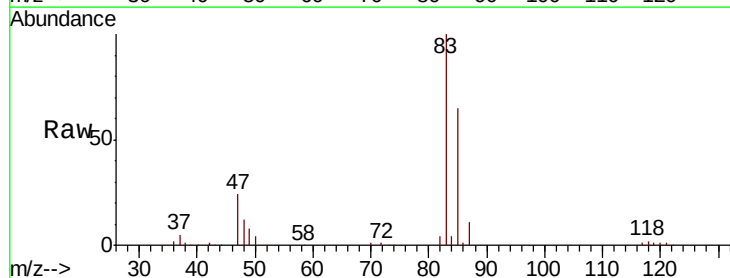
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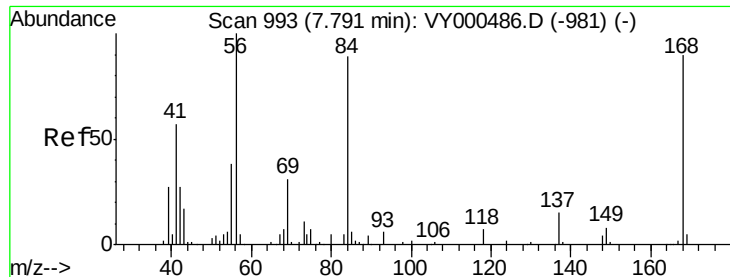
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#30
Chloroform
Concen: 52.560 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4





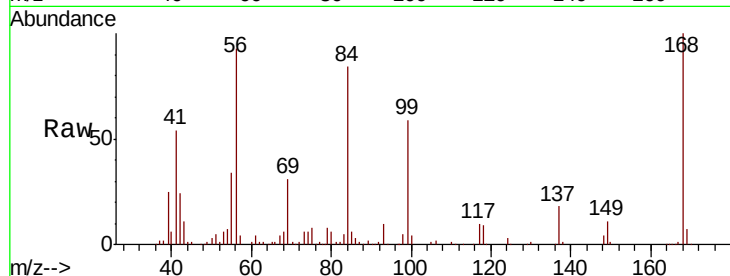
#31
Cyclohexane
Concen: 47.432 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	203928		
69	33.7		25.0	37.6
84	87.9		71.4	107.2

Manual Integrations
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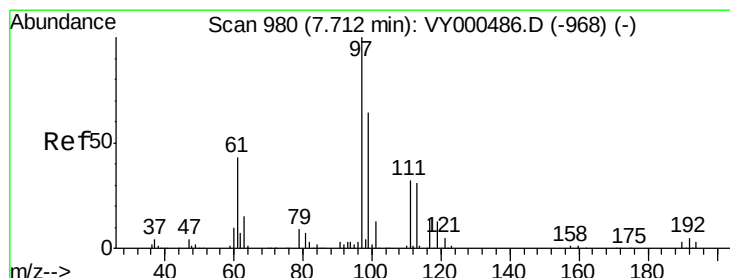
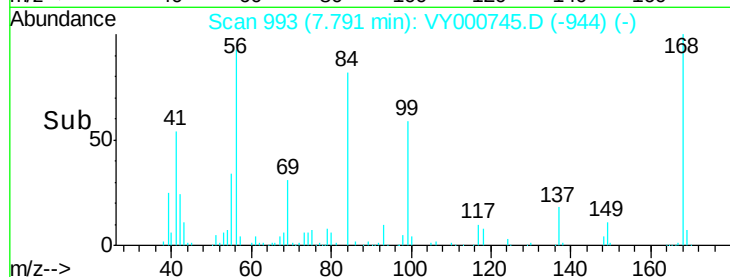
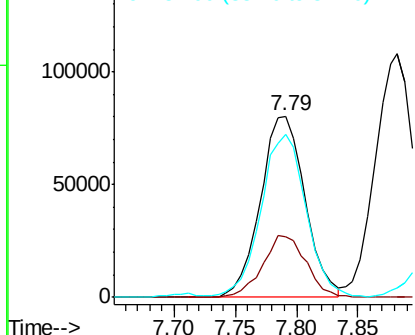


Abundance

Ion 56.00 (55.70 to 56.70): VY0

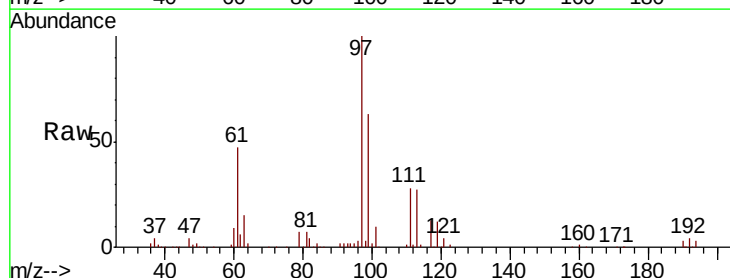
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32
1,1,1-Trichloroethane
Concen: 51.307 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	189881		
99	65.0		50.9	76.3
61	44.9		34.9	52.3

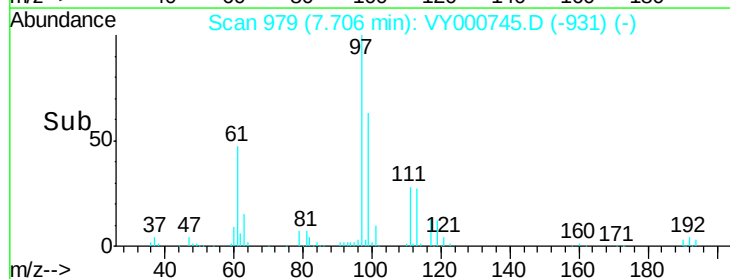
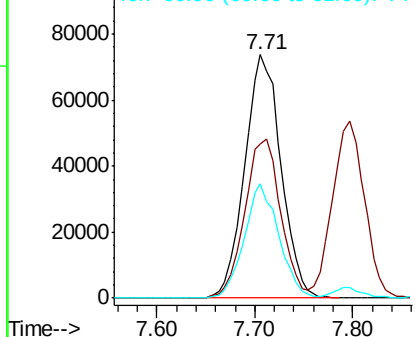


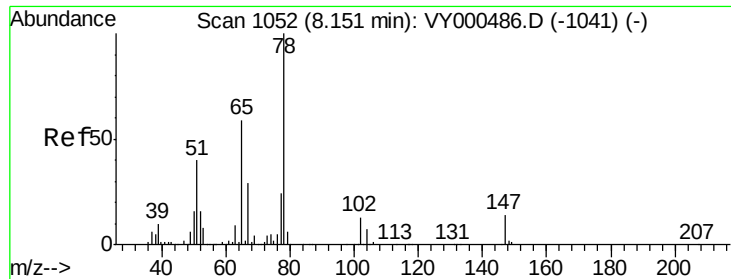
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





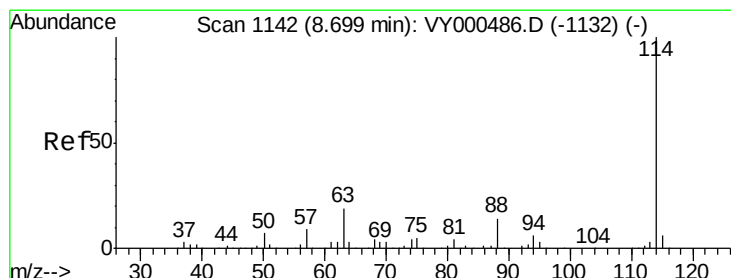
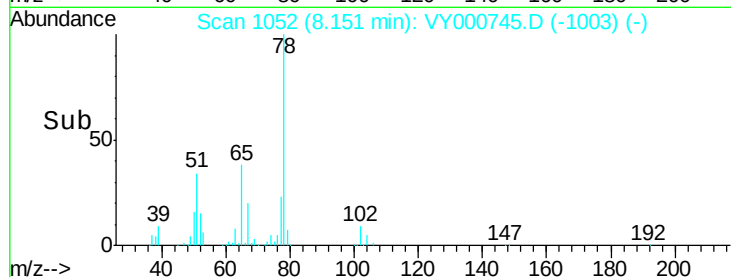
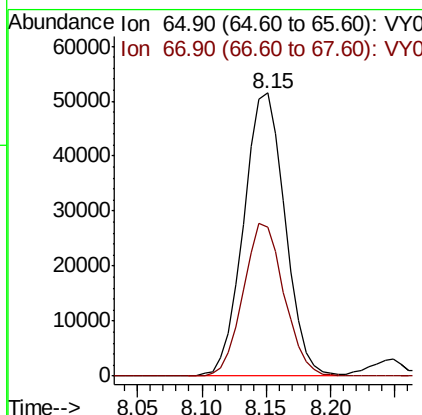
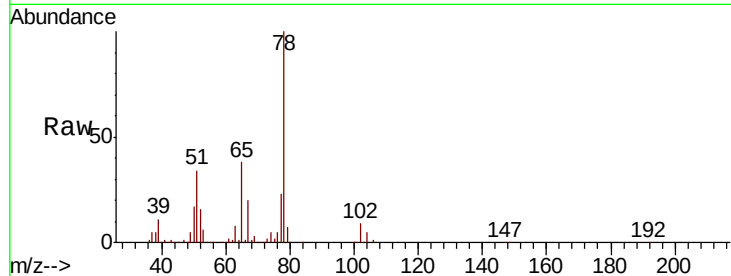
#33
 1,2-Dichloroethane-d4
 Concen: 51.543 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114484		
67	53.1	0.0	107.2	

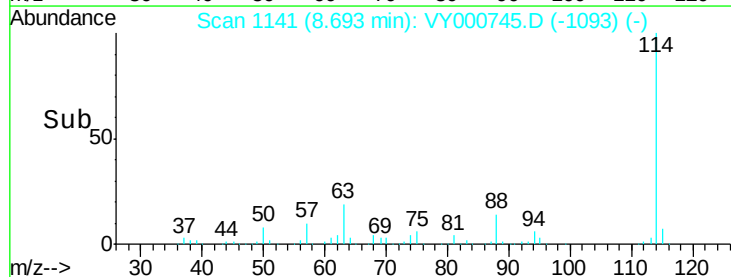
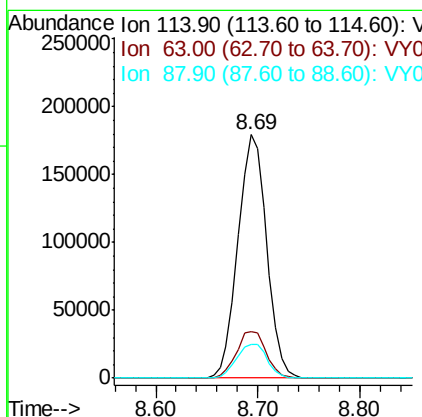
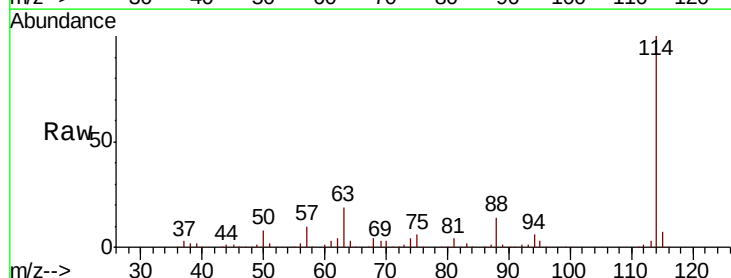
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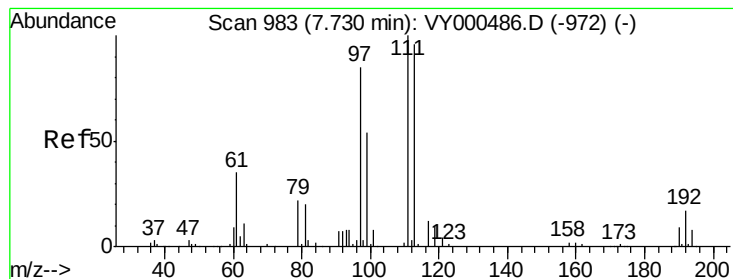
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349796		
63	19.0	0.0	38.0	
88	14.1	0.0	28.6	





#35

Dibromofluoromethane

Concen: 51.503 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

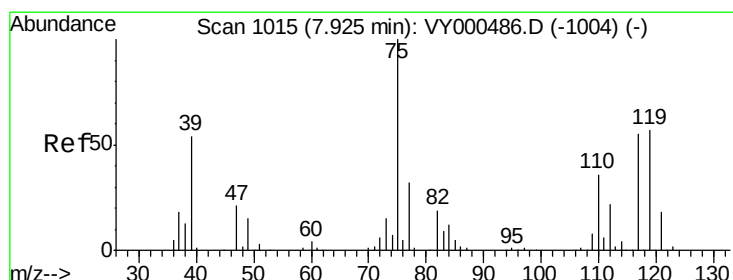
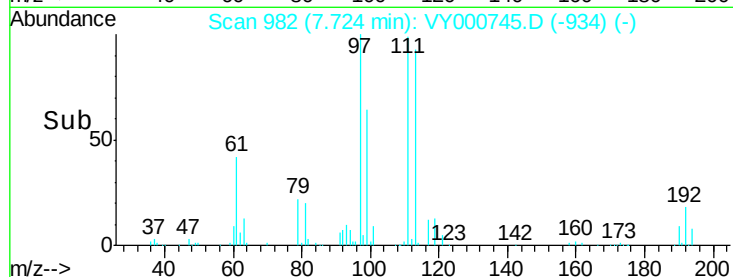
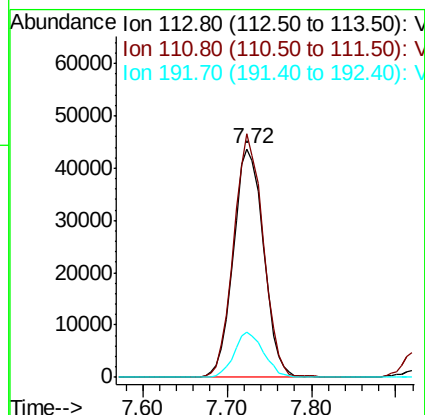
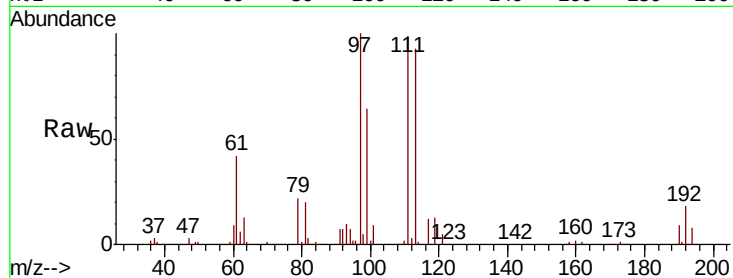
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	105762
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.7	122.5
192	19.2	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.891 ug/l

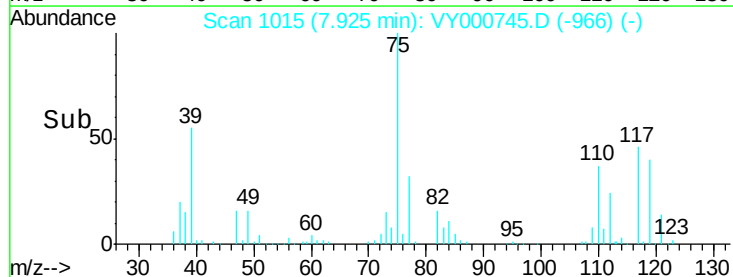
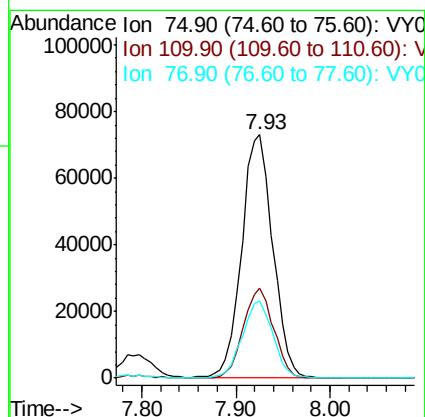
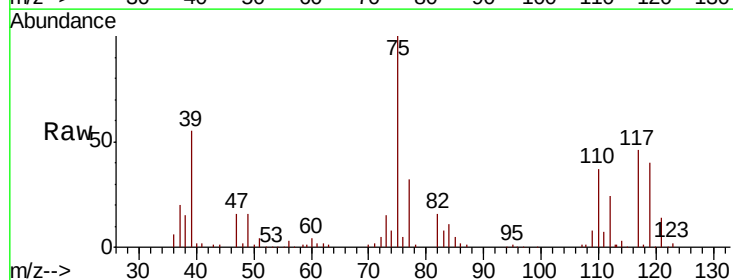
RT: 7.93 min Scan# 1015

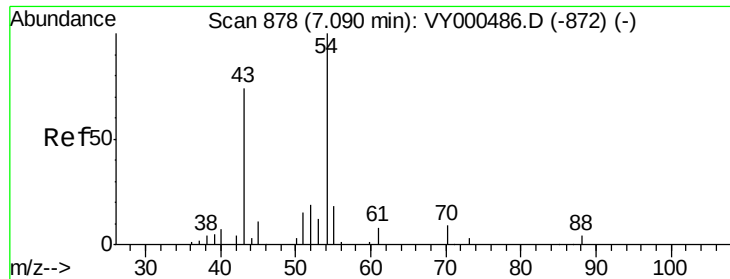
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	75	Resp:	168287
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.1	54.1
77	31.3	25.0	37.6





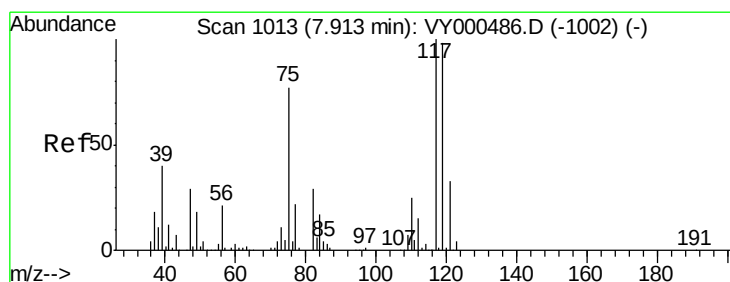
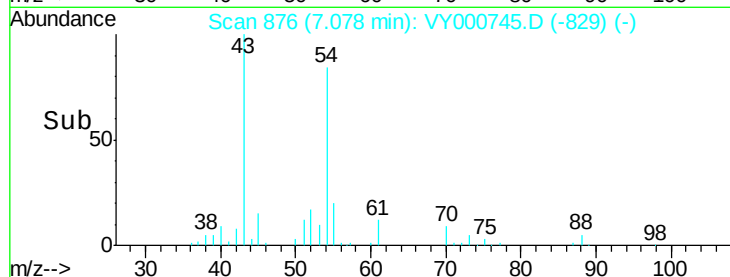
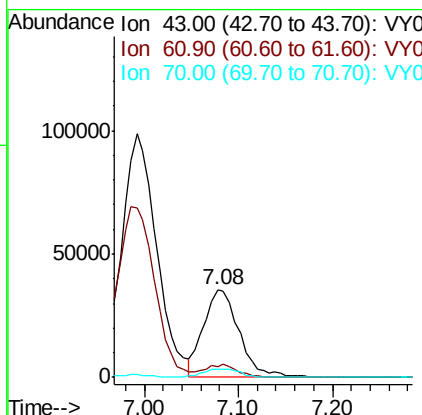
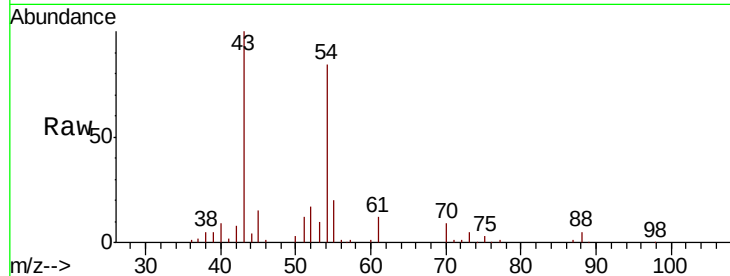
#37
Ethyl Acetate
Concen: 46.886 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	10.4	7.8	11.8

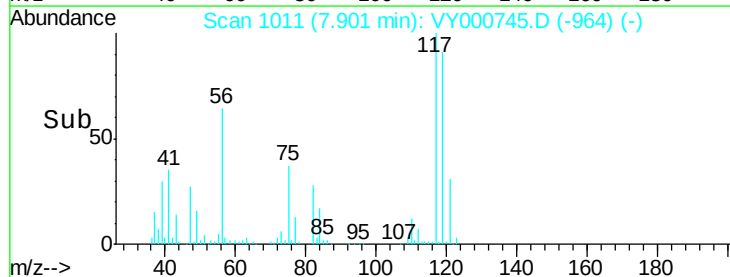
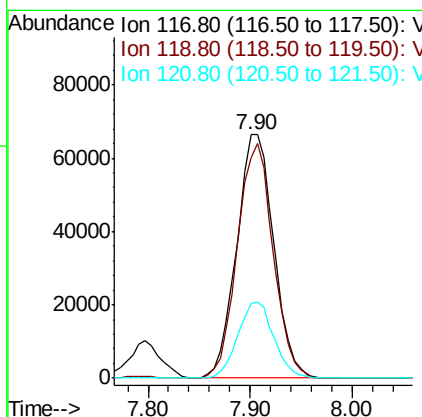
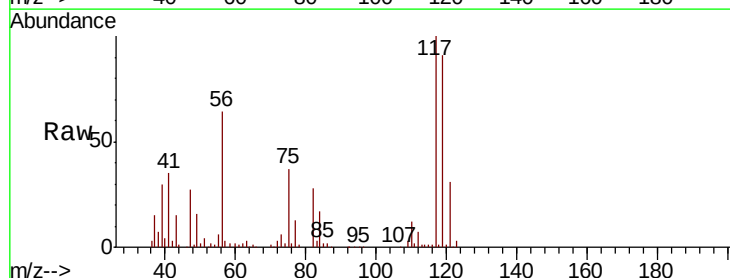
Manual Integrations
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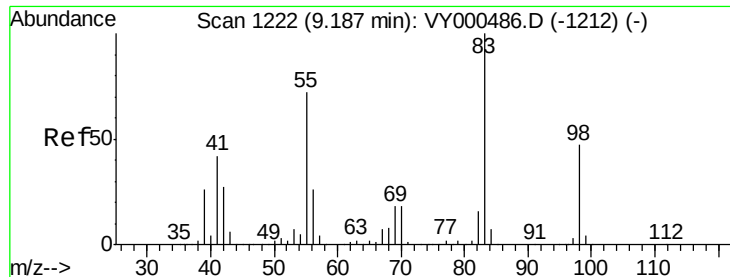
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#38
Carbon Tetrachloride
Concen: 52.767 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.0	117.0
121	30.9	26.6	40.0





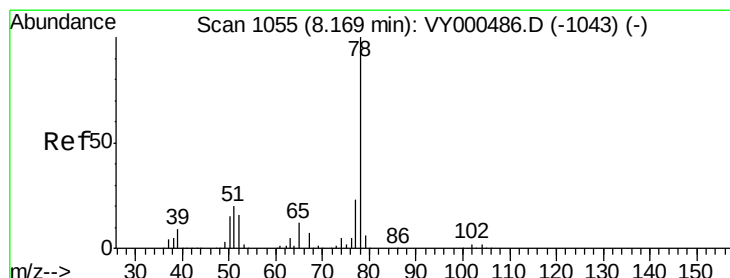
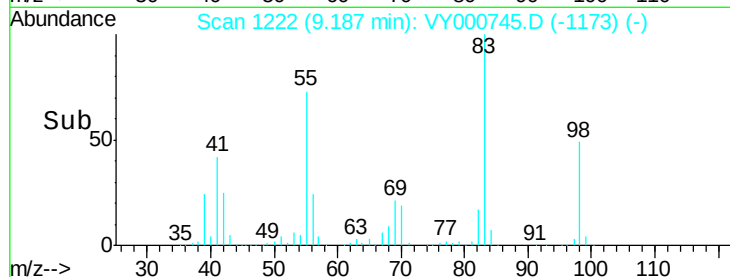
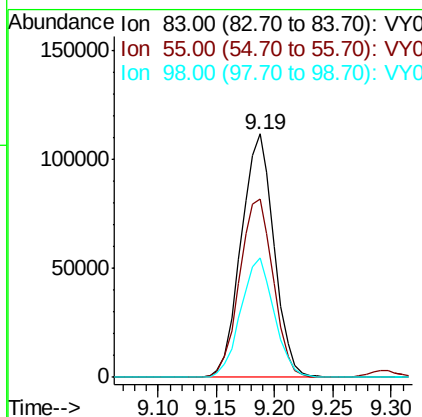
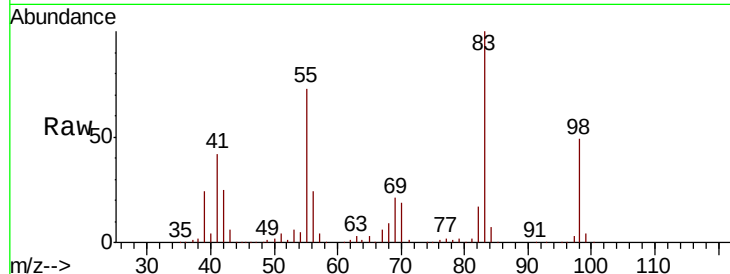
#39
Methylvlcyclohexane
Concen: 51.564 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	57.5	86.3
98	49.2	38.0	57.0

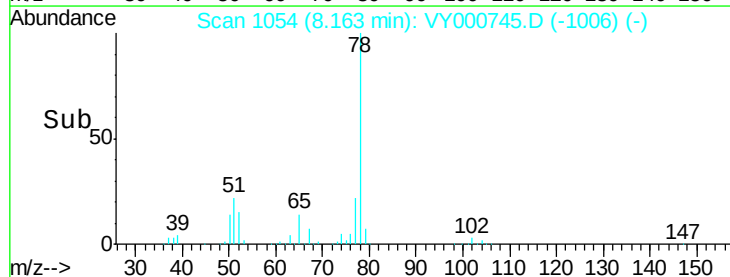
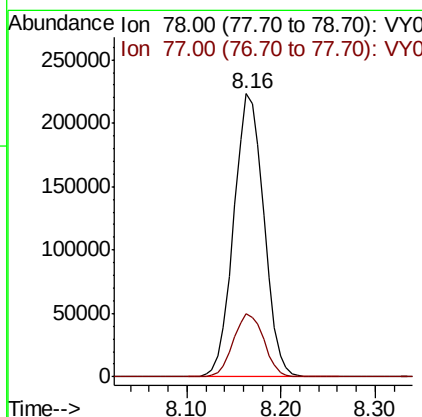
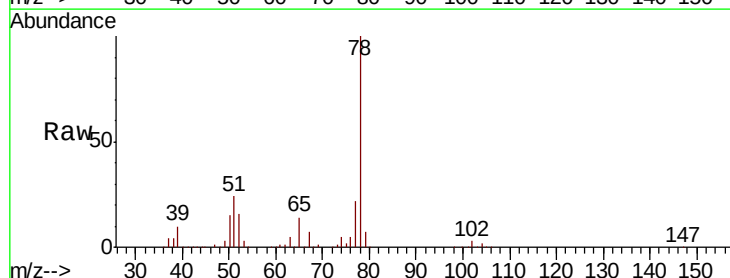
Manual Integrations
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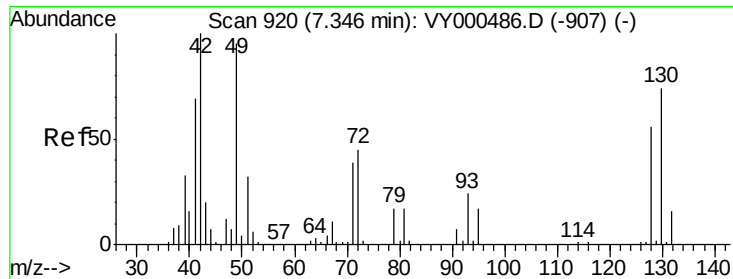
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#40
Benzene
Concen: 51.367 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.6	28.0





#41

Methacrylonitrile

Concen: 46.054 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.02 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 50439

Ion Ratio Lower Upper

41 100

39 128.0 68.2 102.4#

67 0.0 0.0 0.0

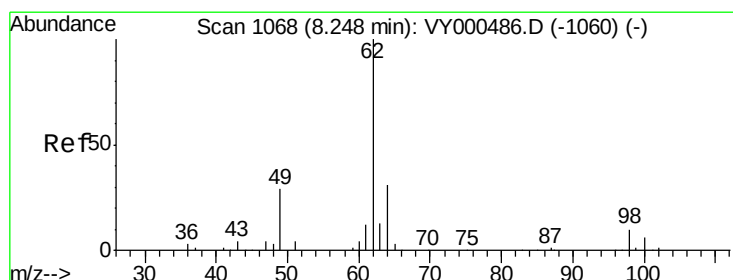
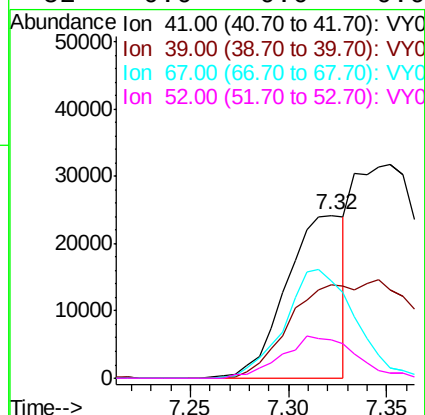
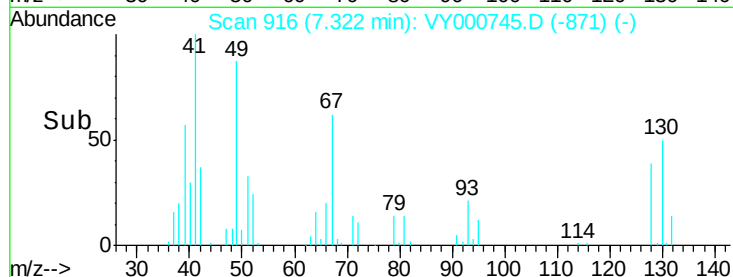
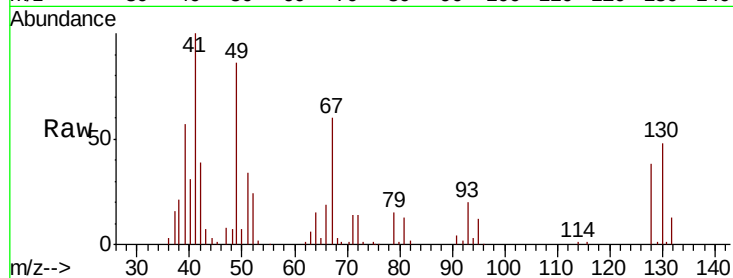
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 52.067 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000745.D

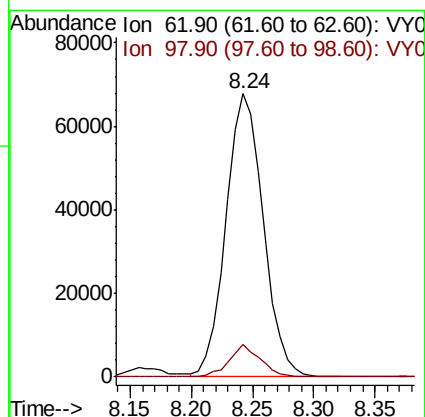
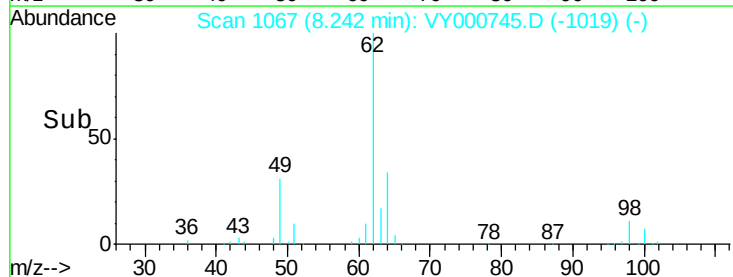
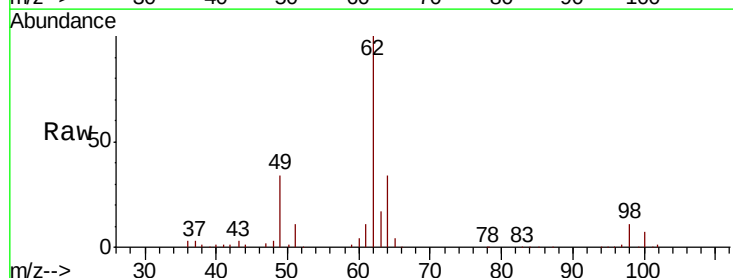
Acq: 20 Nov 2019 10:51

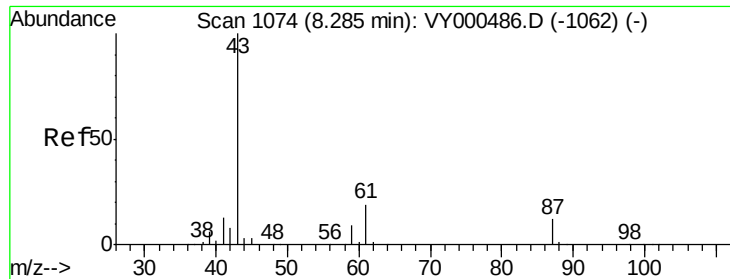
Tgt Ion: 62 Resp: 143168

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.2





#43

Isopropyl Acetate

Concen: 51.416 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

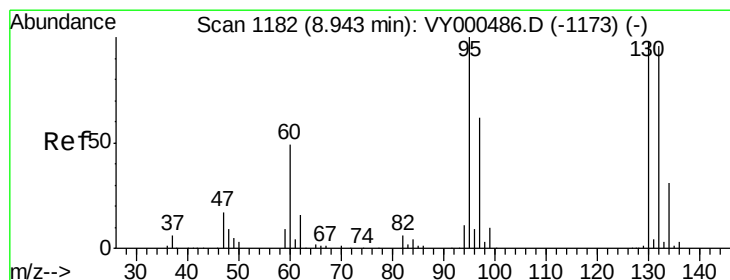
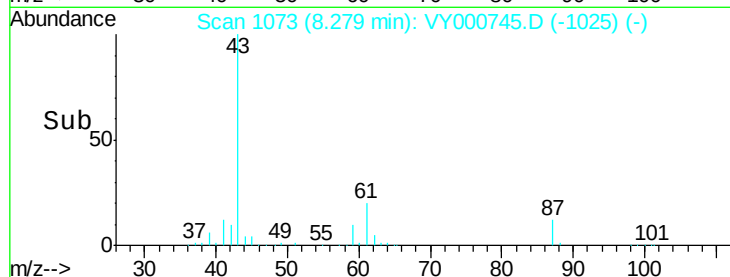
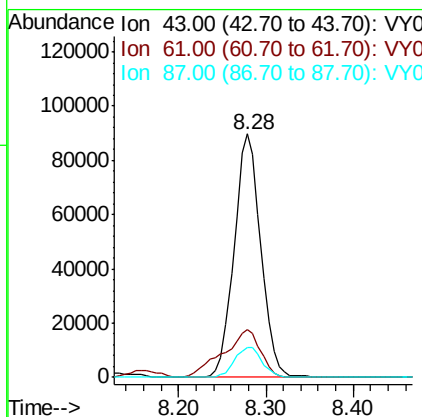
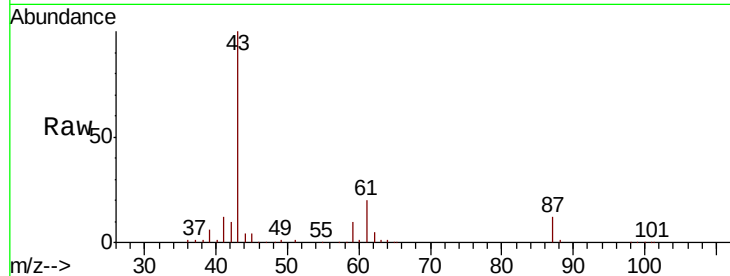
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	189621
Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.0	34.4
87	12.6	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 52.281 ug/l

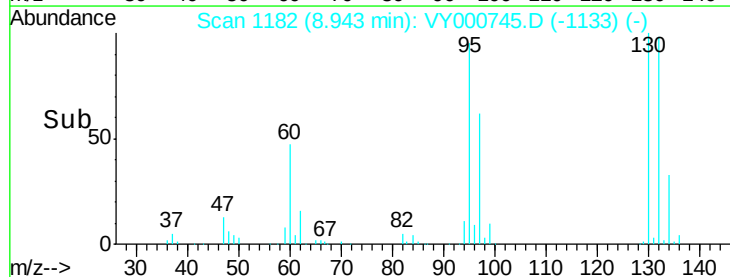
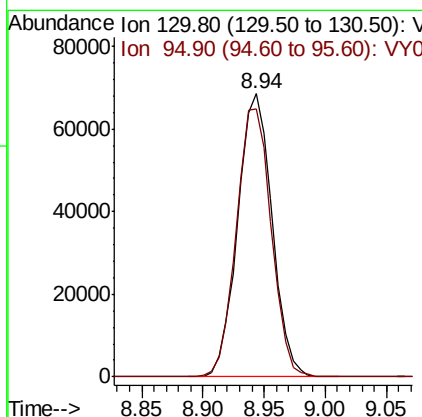
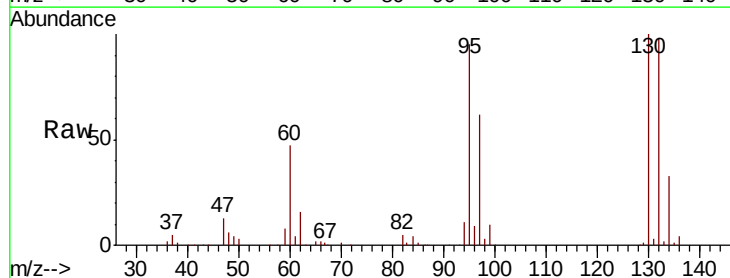
RT: 8.94 min Scan# 1182

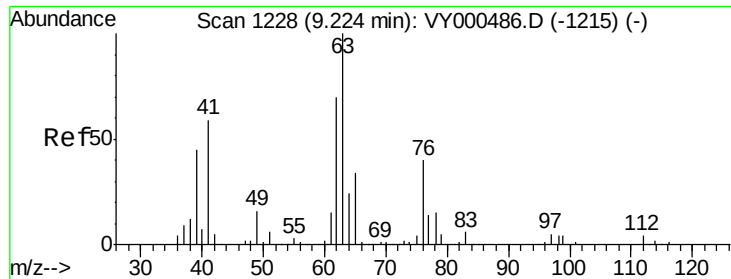
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	130	Resp:	133637
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	203.2





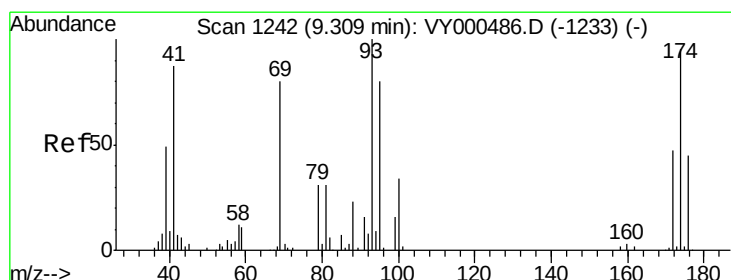
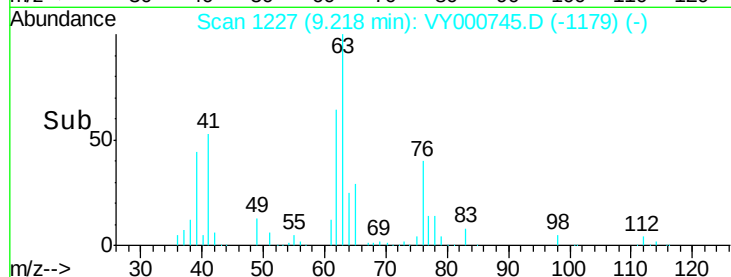
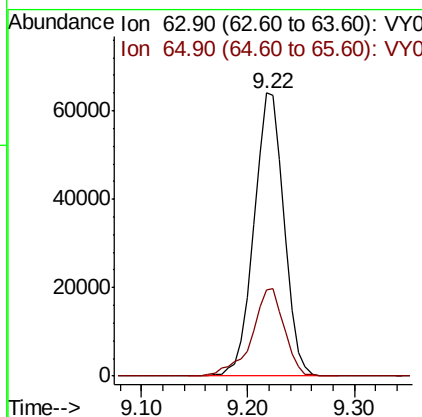
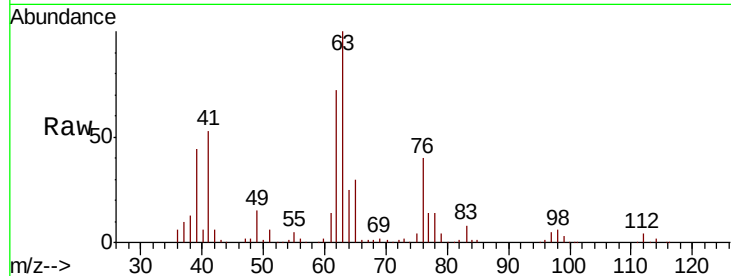
#45
 1,2-Dichloropropane
 Concen: 53.214 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	27.0	40.4

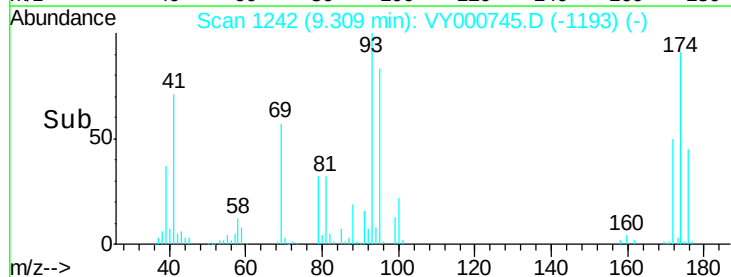
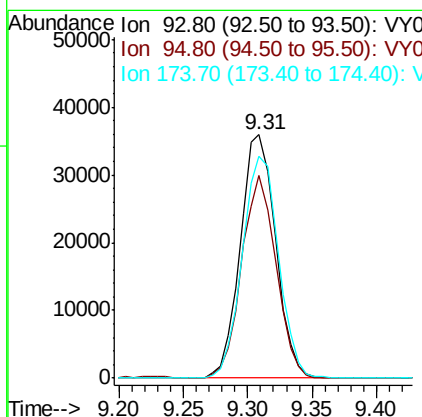
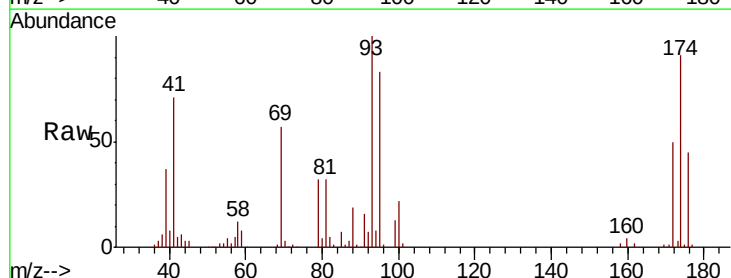
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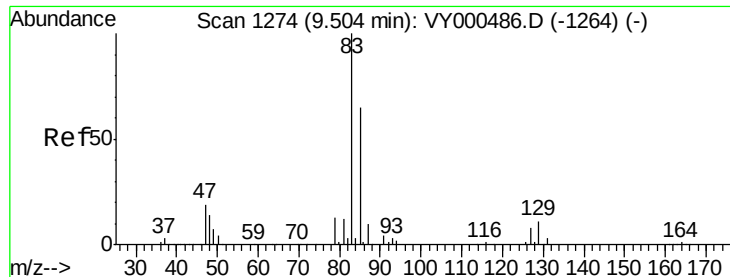
MMDadoda
 11/22/2019 12:53:08 AM



#46
 Dibromomethane
 Concen: 51.932 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	93.1	77.1	115.7





#47

Bromodichloromethane

Concen: 53.988 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

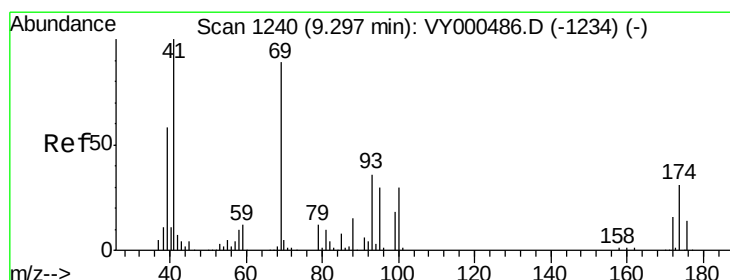
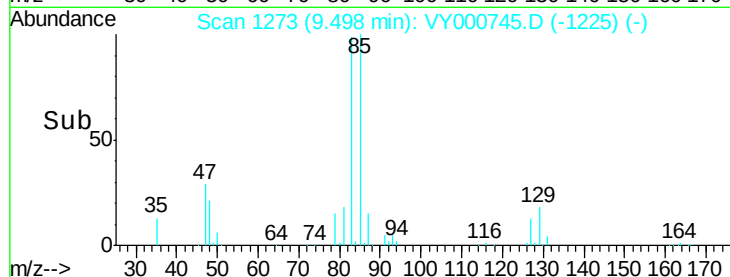
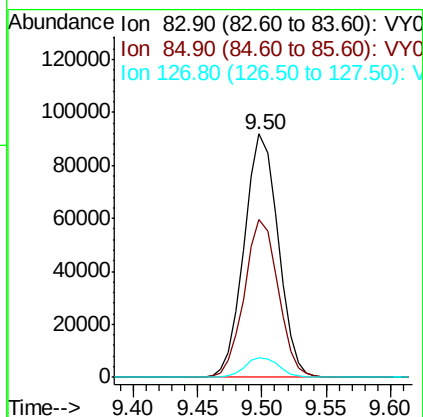
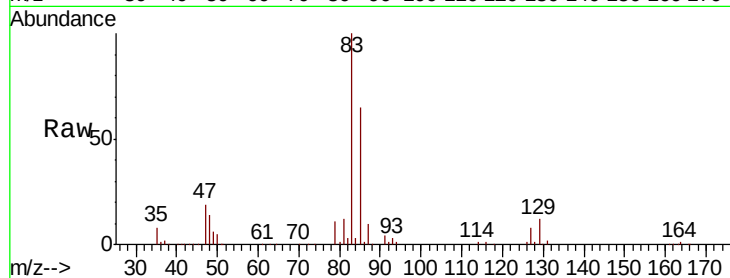
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168104
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.8	77.8
127	8.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.060 ug/l

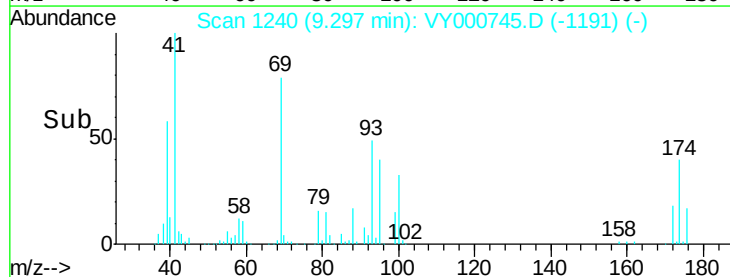
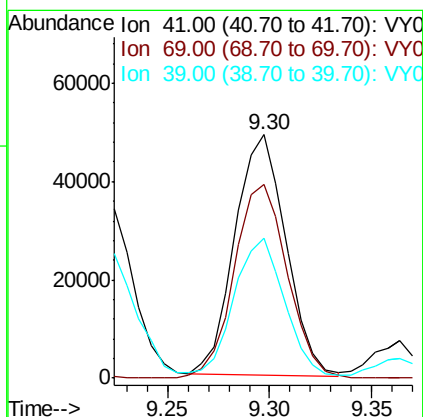
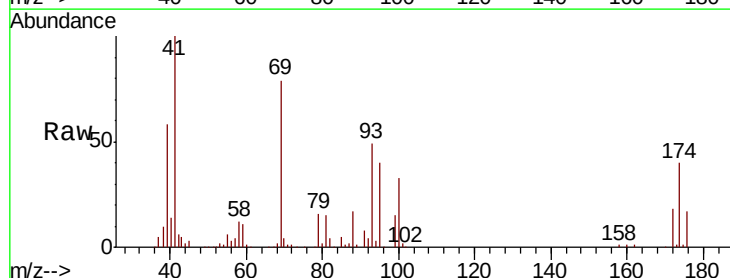
RT: 9.30 min Scan# 1240

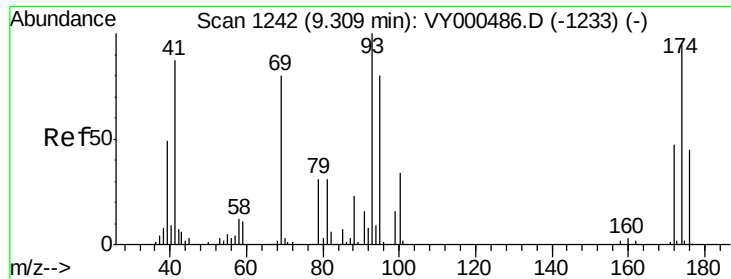
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	41	Resp:	85500
Ion Ratio	Lower	Upper	
41	100		
69	83.7	72.5	108.7
39	58.6	47.8	71.8





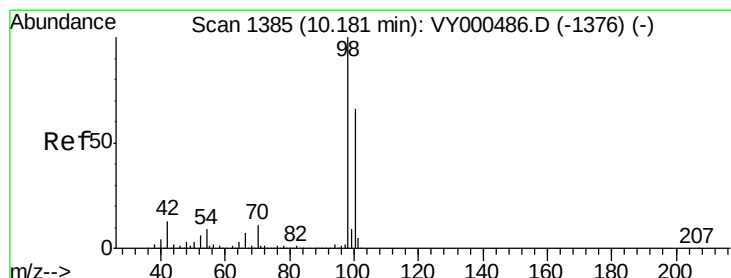
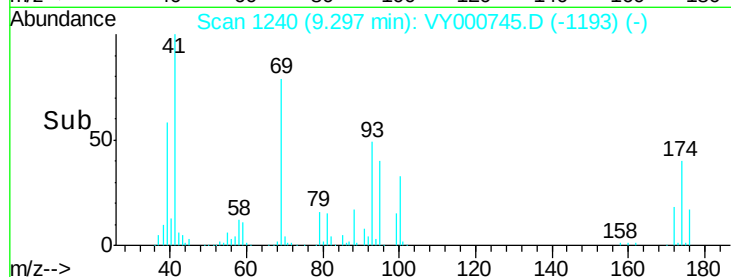
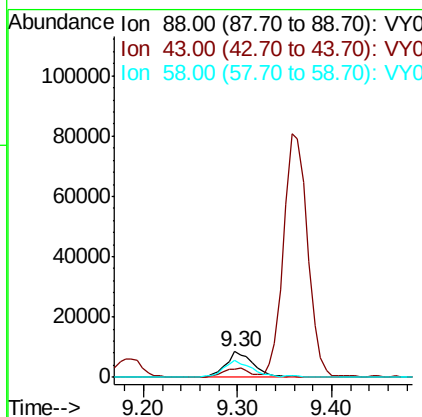
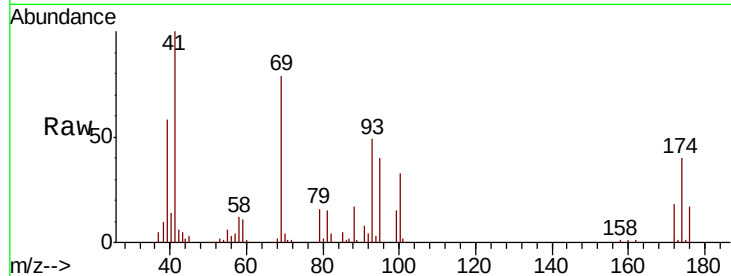
#49
 1,4-Dioxane
 Concen: 1011.332 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	17861
Ion Ratio	Lower	Upper	
88	100		
43	33.1	25.1	37.7
58	64.7	50.6	75.8

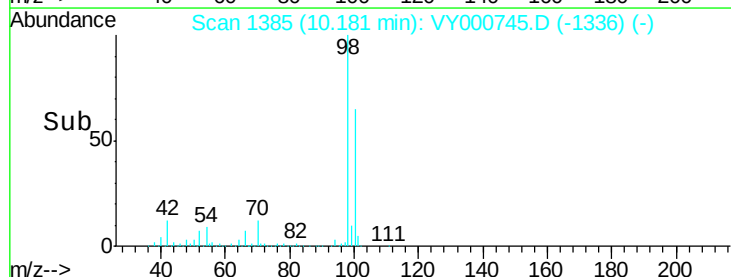
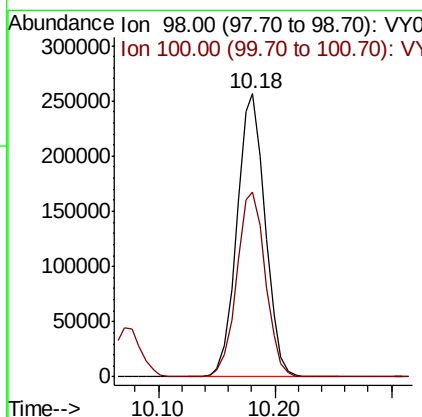
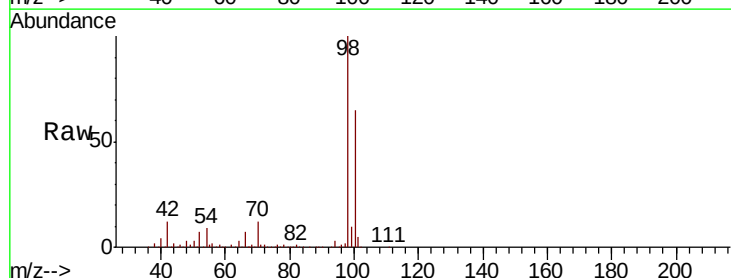
Manual Integrations
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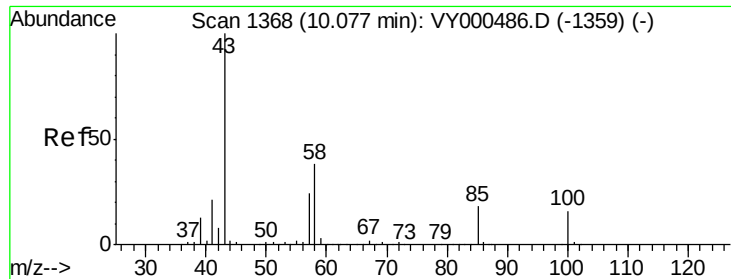
MMDadoda
 11/22/2019 12:53:08 AM



#50
 Toluene-d8
 Concen: 55.377 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	98	Resp	431497
Ion Ratio	Lower	Upper	
98	100		
100	66.5	52.9	79.3





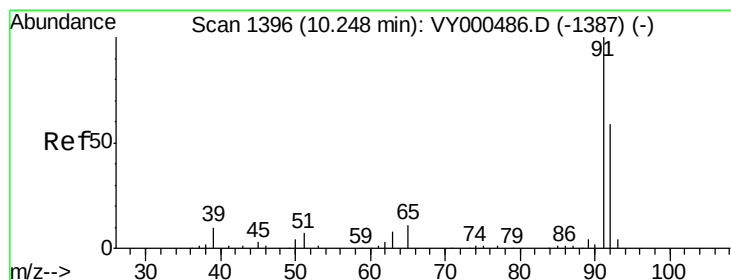
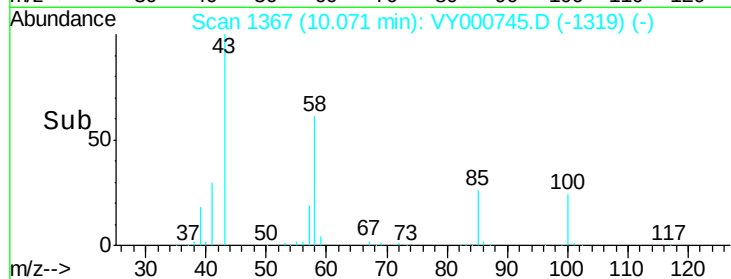
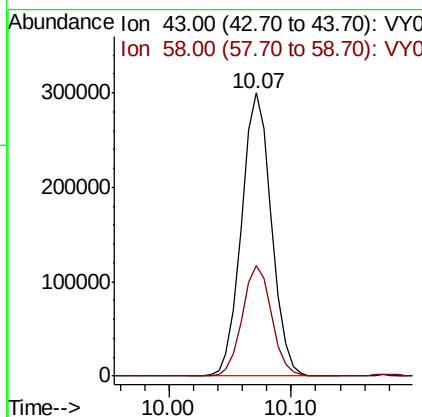
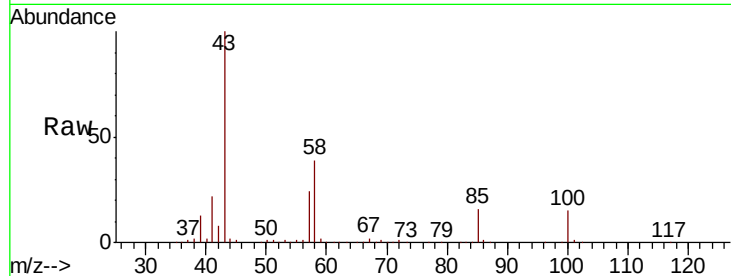
#51
4-Methyl-2-Pentanone
Concen: 258.450 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43.00	Resp	506773
Ion Ratio	100	Lower	Upper
43	100		
58	38.4	30.2	45.4

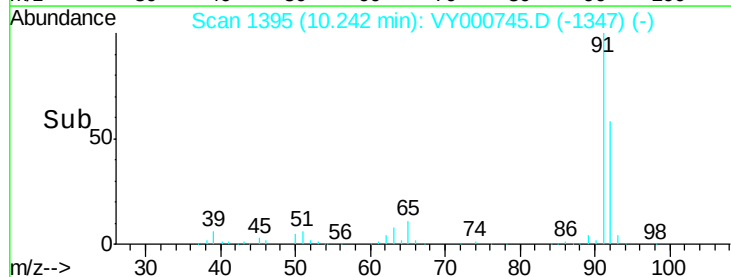
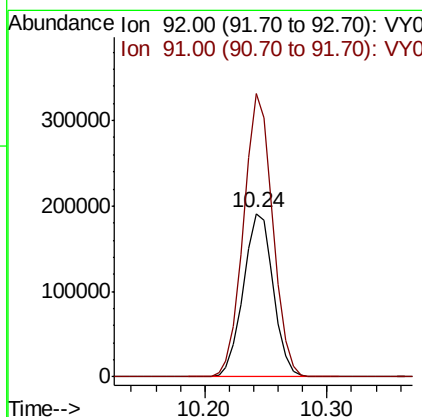
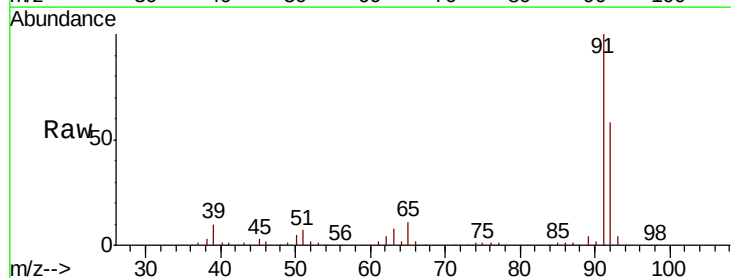
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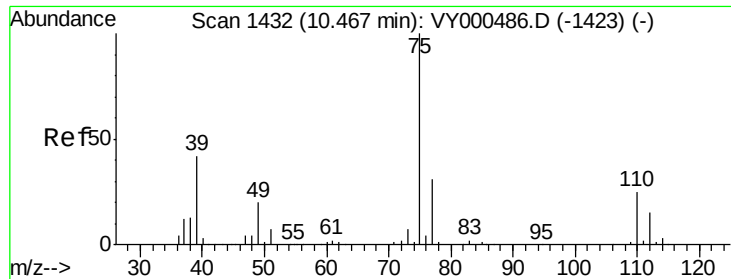
MMDadoda
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#52
Toluene
Concen: 53.101 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	92.00	Resp	325473
Ion Ratio	100	Lower	Upper
92	100		
91	168.8	136.3	204.5





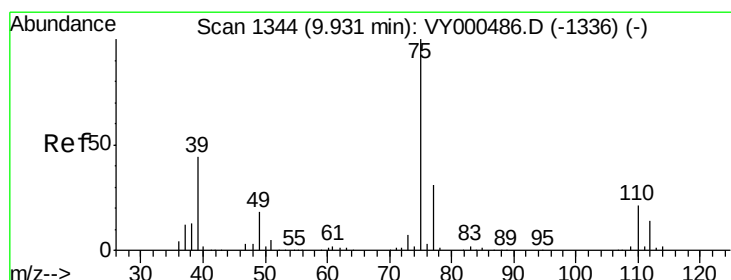
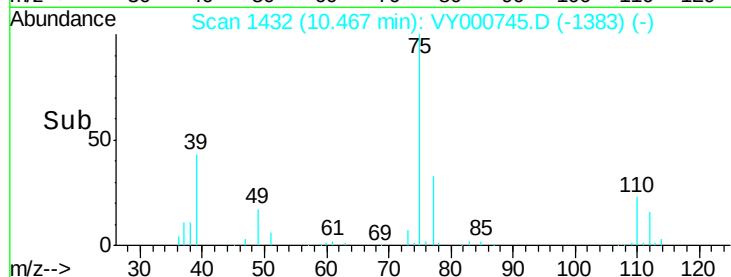
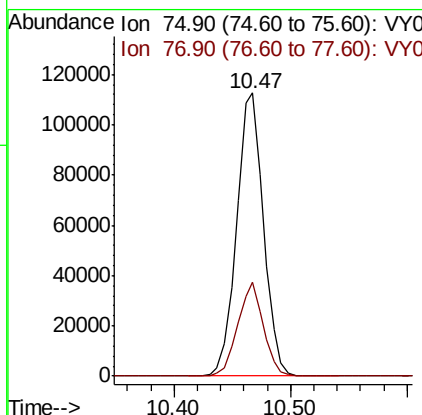
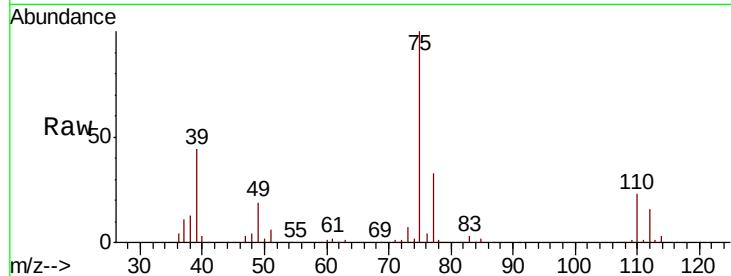
#53
t-1,3-Dichloropropene
Concen: 54.208 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 180347
Ion Ratio Lower Upper
75 100
77 33.3 24.6 37.0

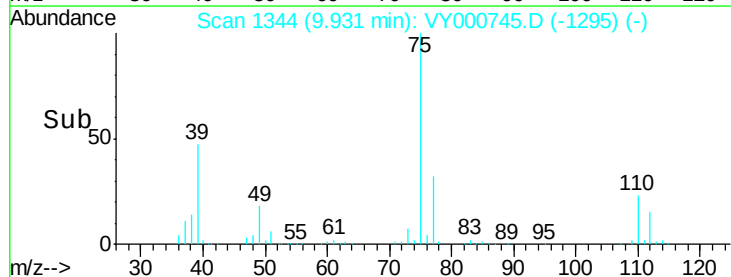
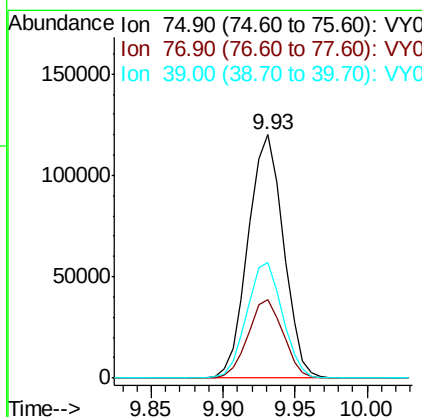
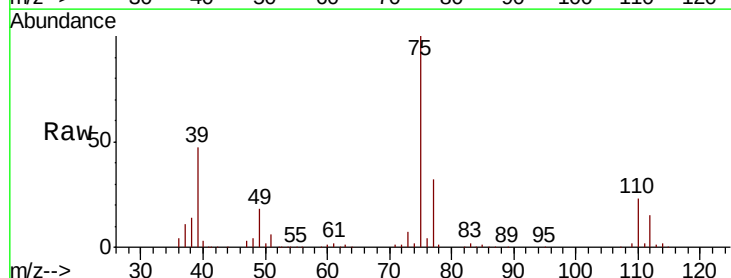
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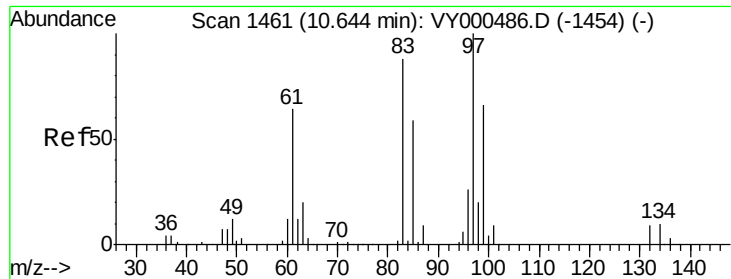
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.551 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion: 75 Resp: 204103
Ion Ratio Lower Upper
75 100
77 32.5 24.5 36.7
39 47.4 35.4 53.2





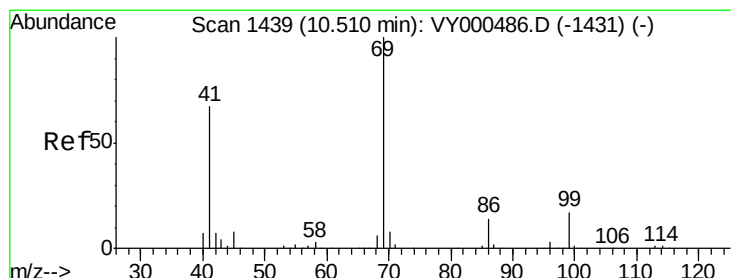
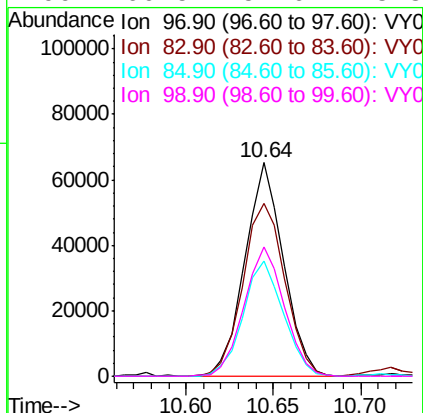
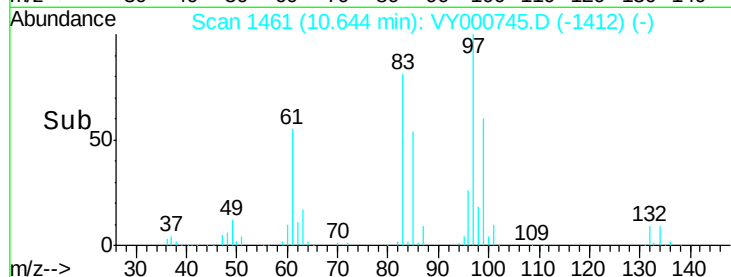
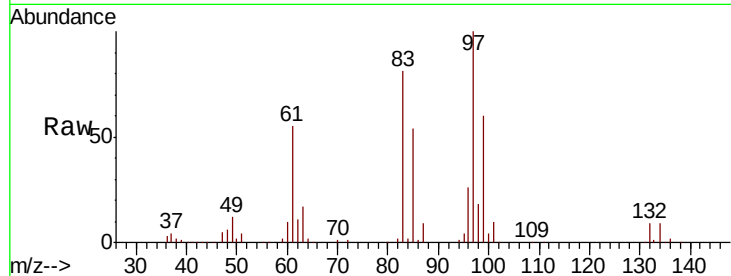
#55
1,1,2-Trichloroethane
Concen: 52.794 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100204		
83	80.9	70.2	105.4		
85	53.7	46.9	70.3		
99	60.5	52.6	78.8		

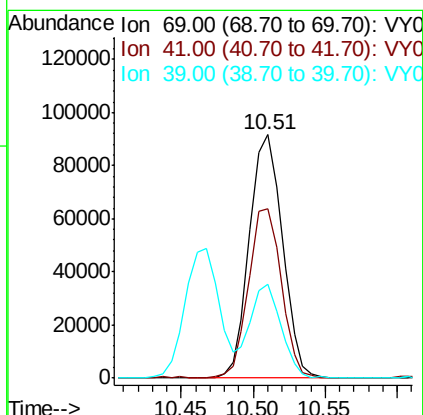
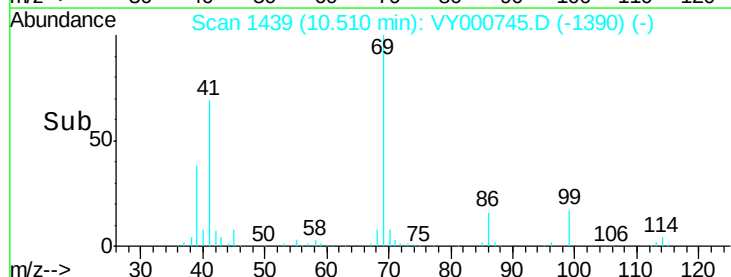
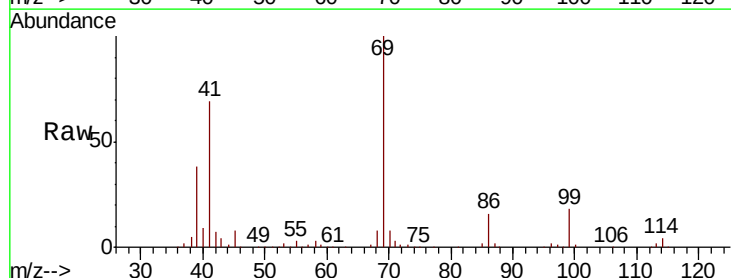
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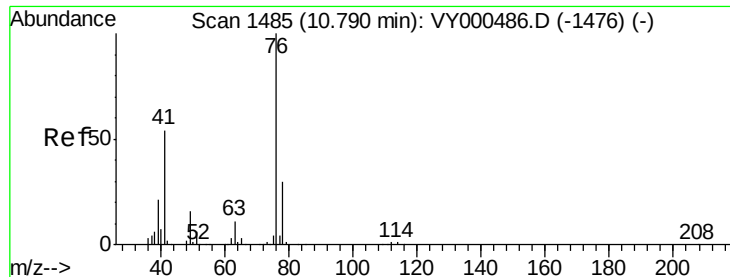
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11/22/2019 12:53:08 AM



#56
Ethyl methacrylate
Concen: 54.247 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		145931		
41	68.9	53.3	79.9		
39	37.1	28.0	42.0		





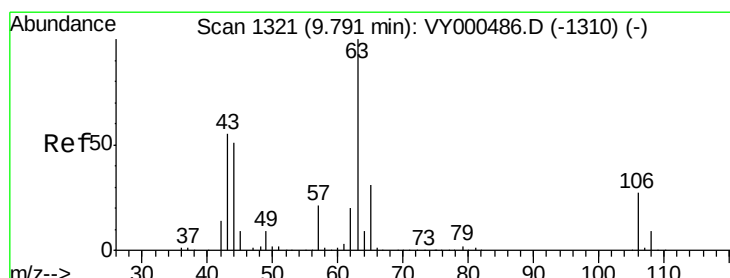
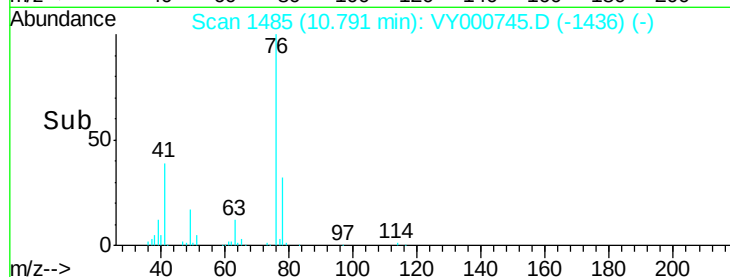
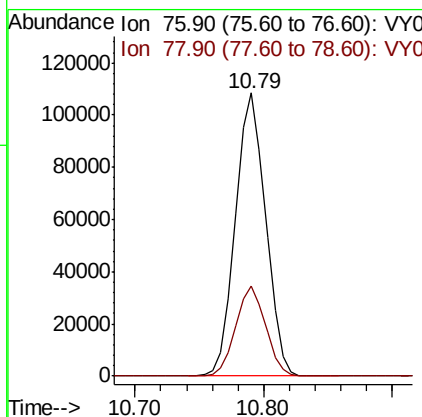
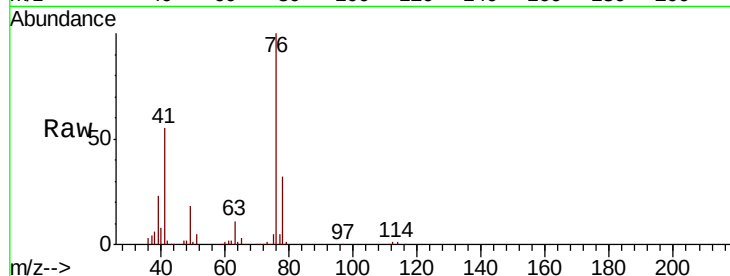
#57
 1,3-Dichloropropane
 Concen: 53.213 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 176769
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

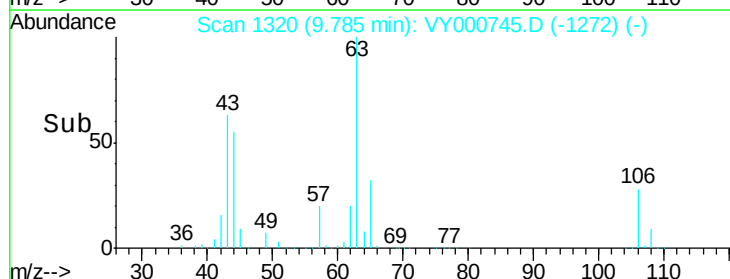
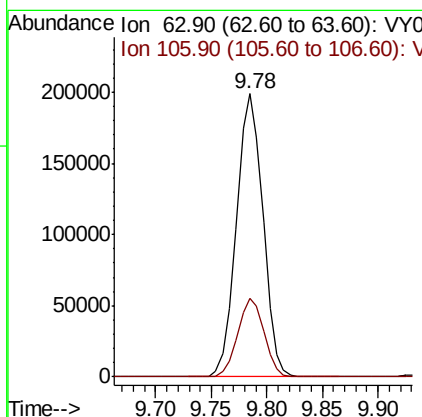
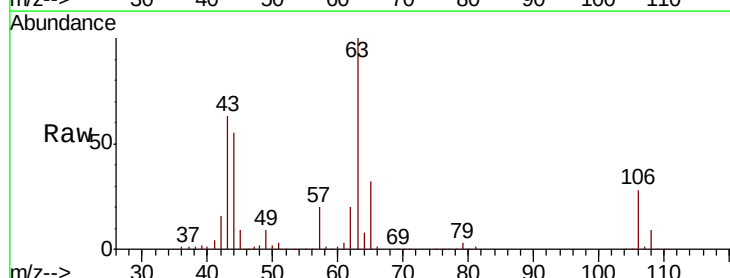
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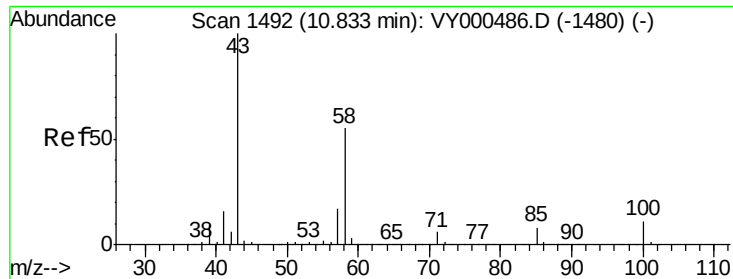
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 11/22/2019 12:53:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.120 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion: 63 Resp: 327295
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.6 33.8





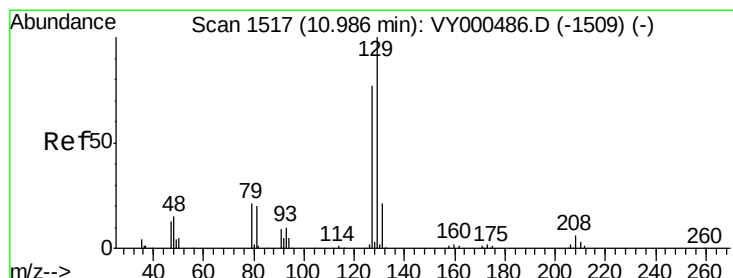
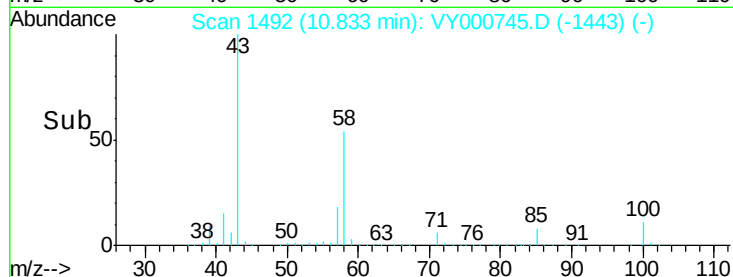
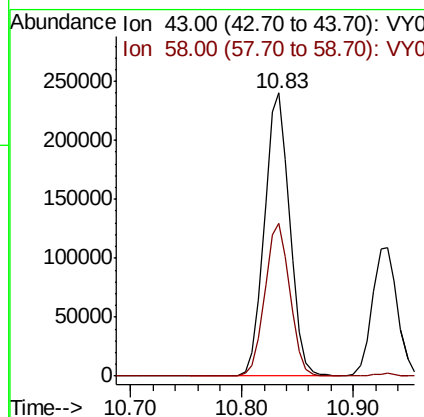
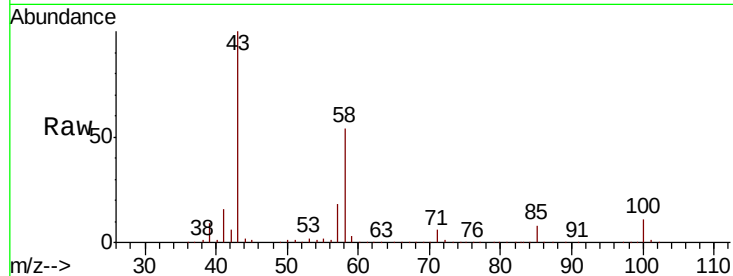
#59
2-Hexanone
Concen: 265.927 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 379914
Ion Ratio Lower Upper
43 100
58 53.6 27.1 81.3

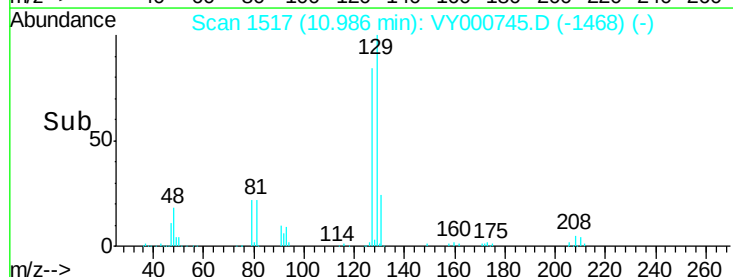
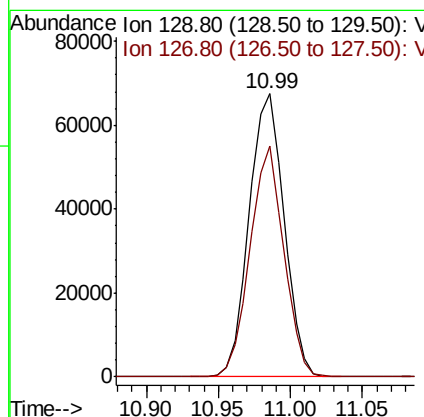
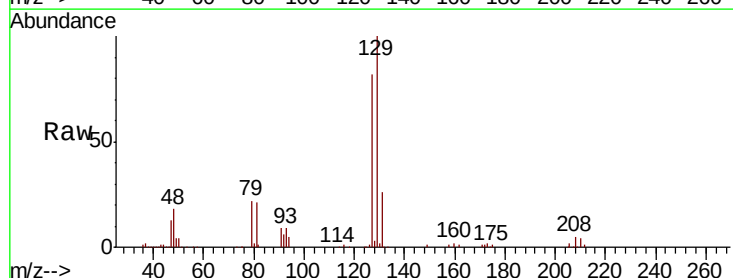
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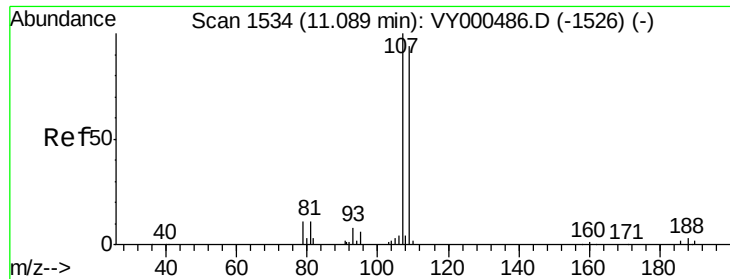
MMDadoda
11/22/2019 12:53:08 AM



#60
Dibromochloromethane
Concen: 52.166 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion: 129 Resp: 113410
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.425 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 95671

Ion Ratio Lower Upper

107 100

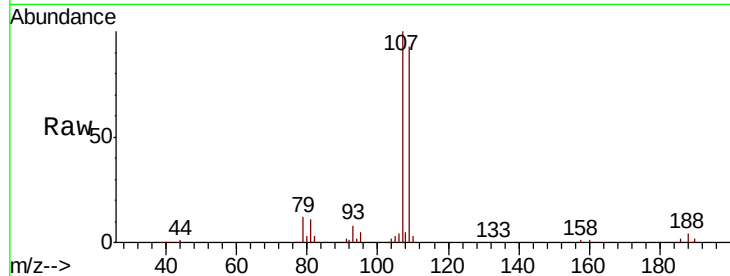
109 93.8 73.6 110.4

Manual Integrations

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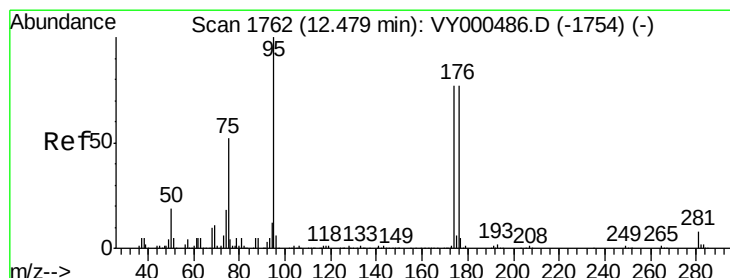
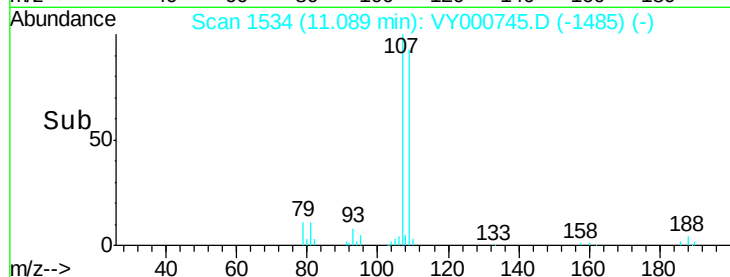
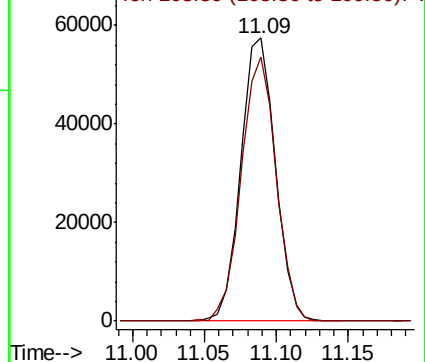
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.702 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

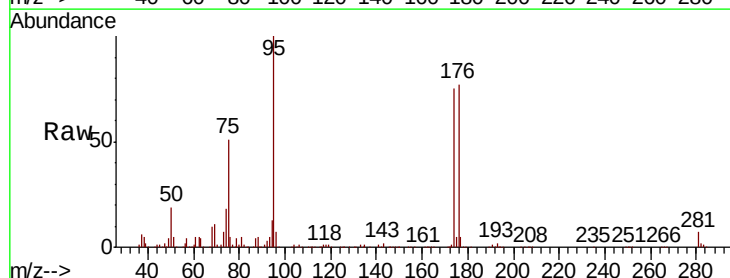
Tgt Ion: 95 Resp: 159300

Ion Ratio Lower Upper

95 100

174 80.7 0.0 161.6

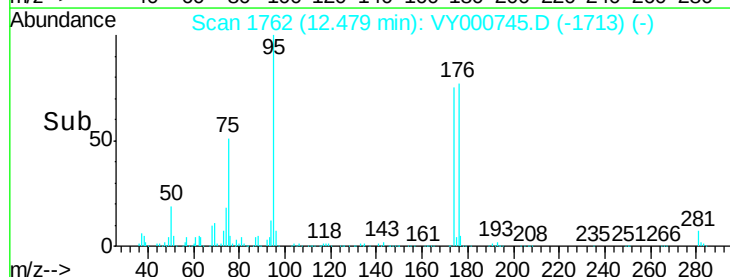
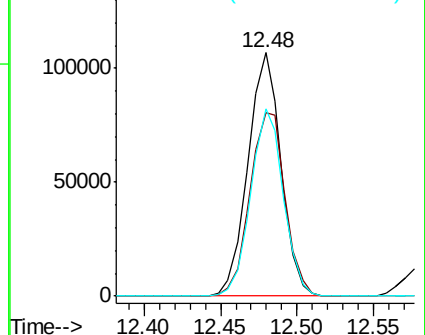
176 76.4 0.0 157.8

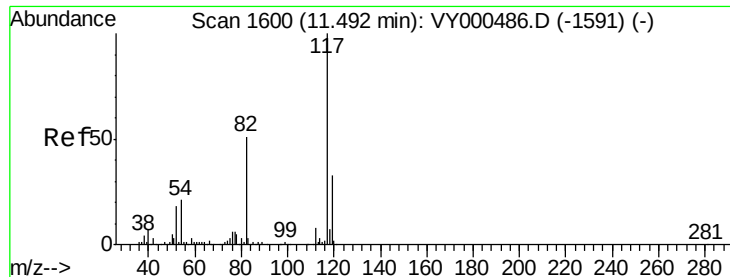


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





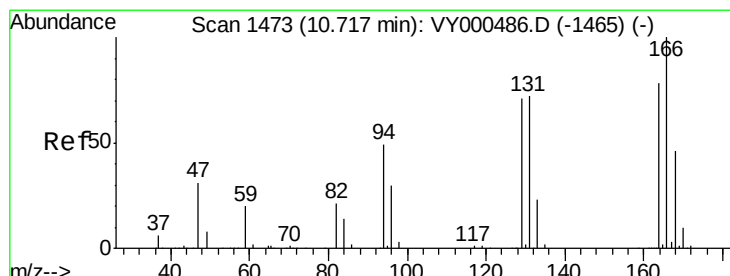
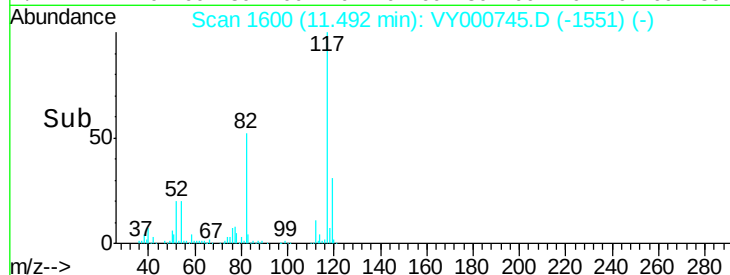
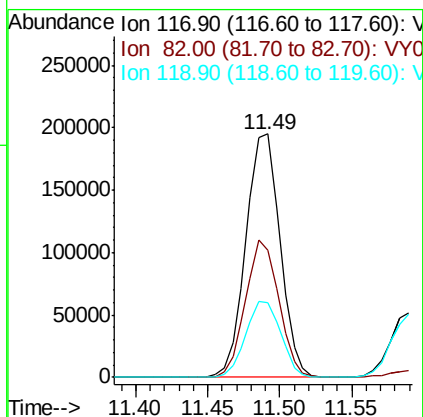
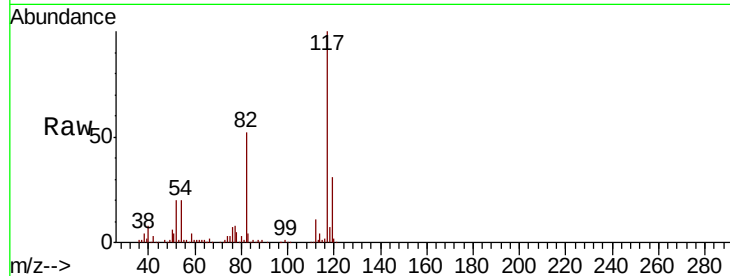
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	40.8	61.2
119	30.6	26.2	39.2

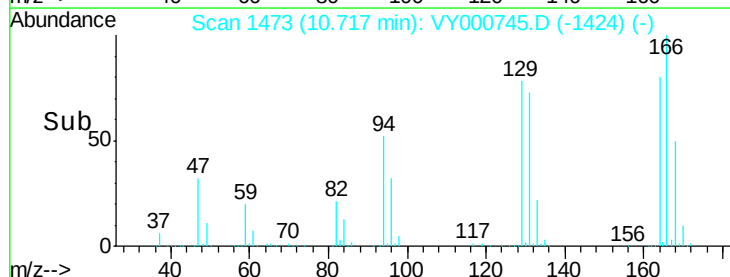
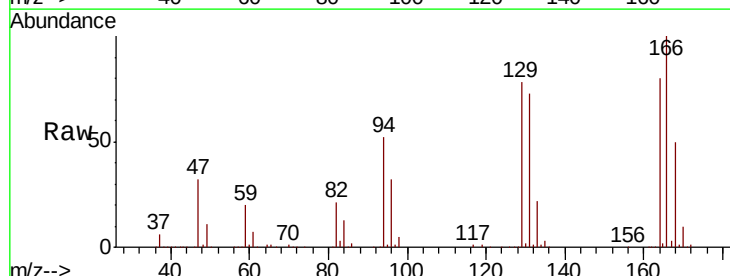
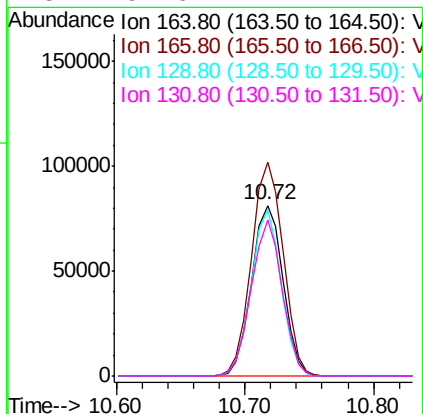
Manual Integrations
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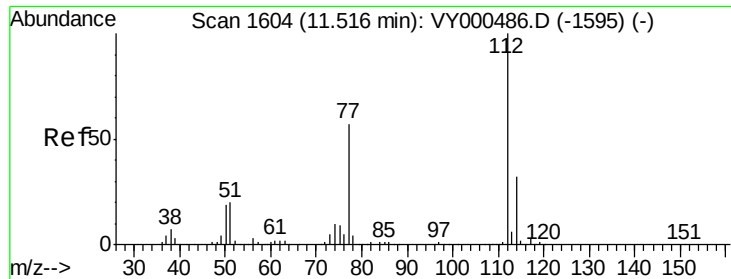
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#64
Tetrachloroethene
Concen: 51.681 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.7	154.1
129	97.5	73.2	109.8
131	91.6	74.2	111.2





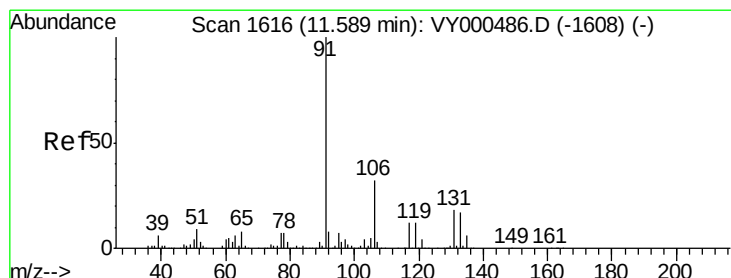
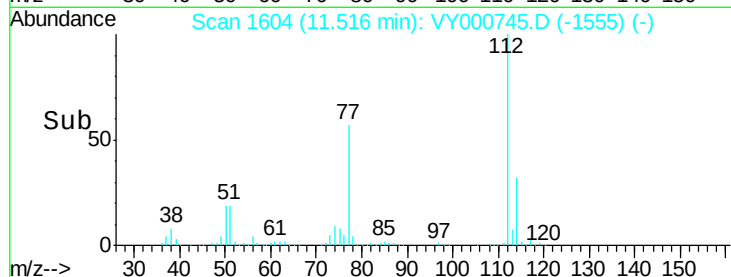
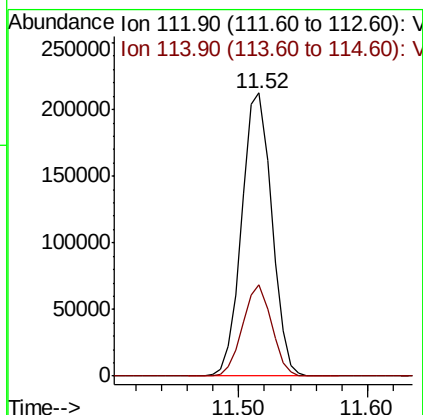
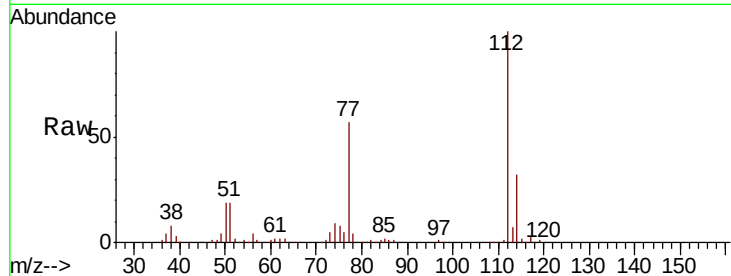
#65
Chlorobenzene
Concen: 52.569 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 342094
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

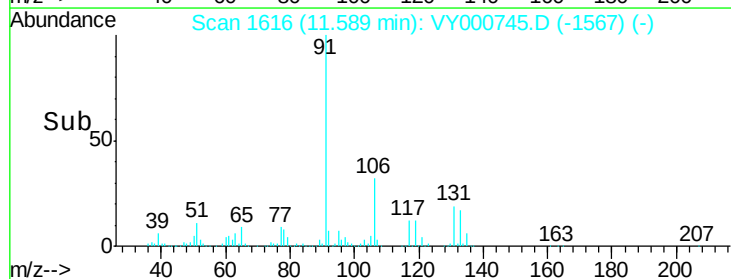
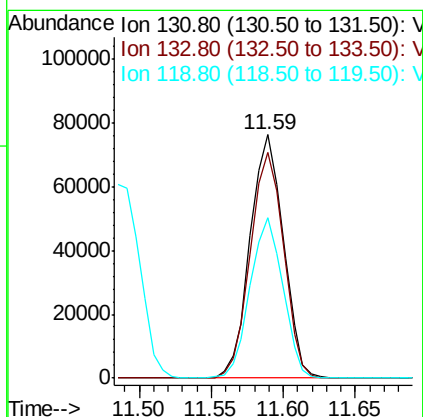
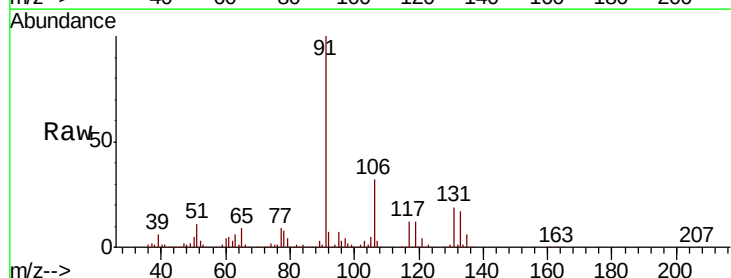
Manual Integrations
APPROVED

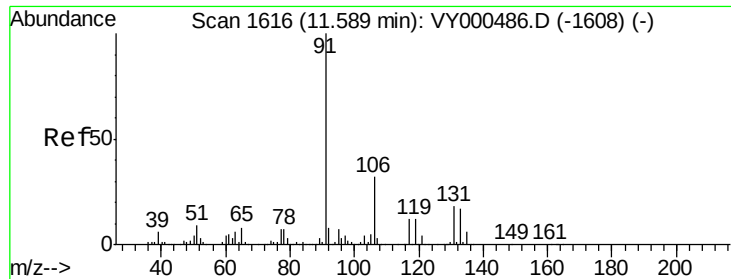
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.955 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion:131 Resp: 121772
Ion Ratio Lower Upper
131 100
133 92.9 47.9 143.8
119 65.1 33.1 99.3





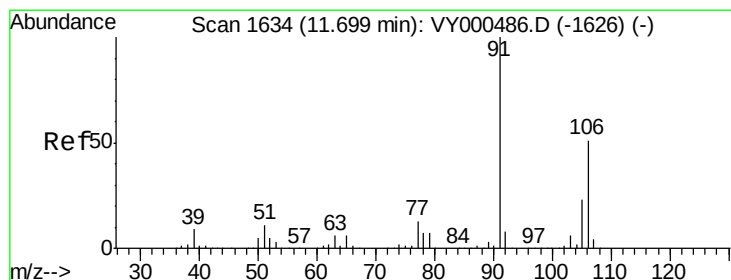
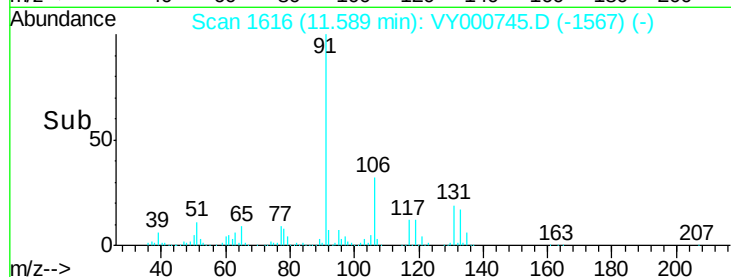
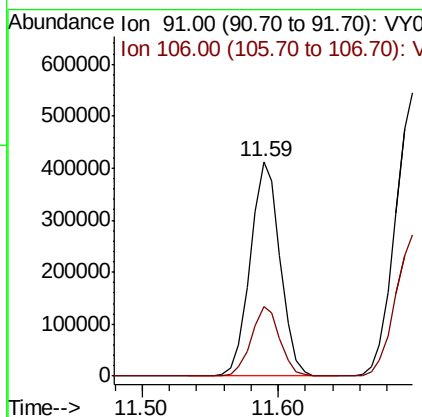
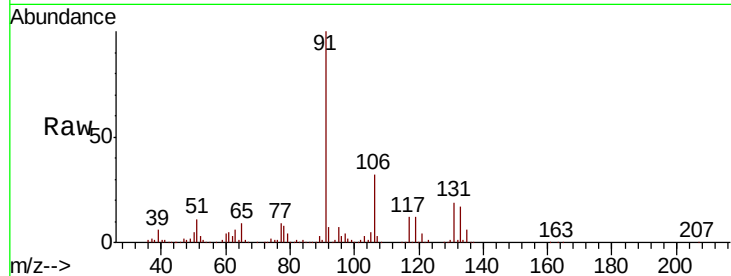
#67
Ethyl Benzene
Concen: 52.797 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 632332
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0

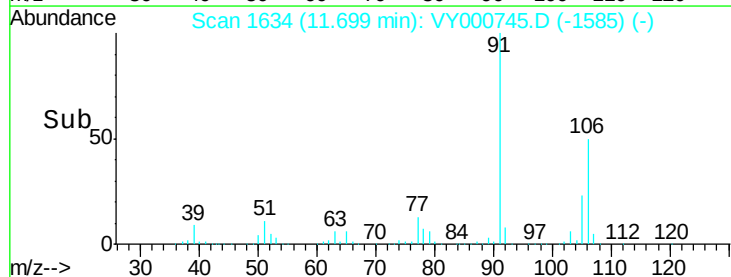
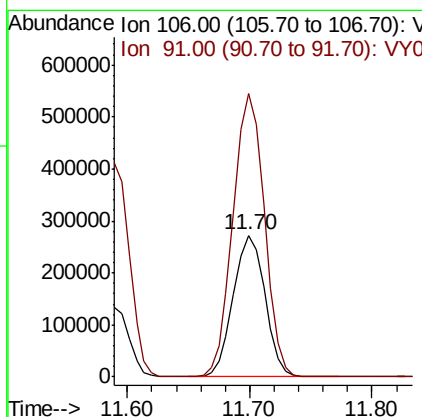
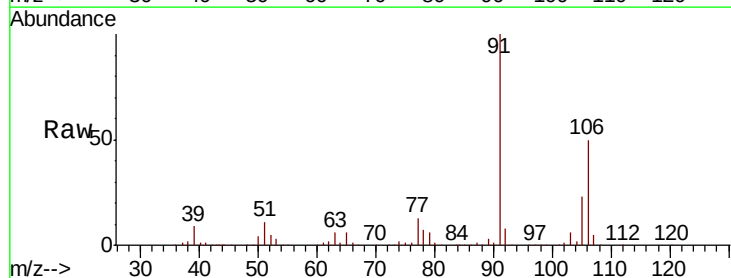
Manual Integrations
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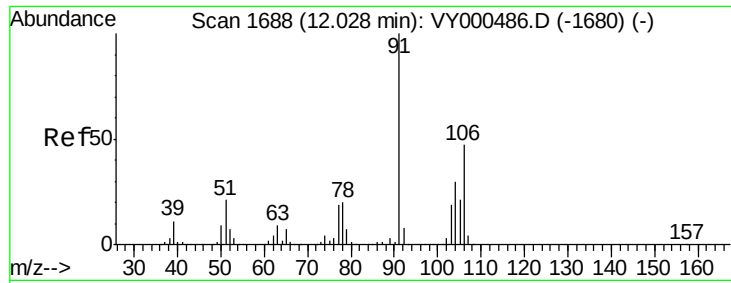
MMDadoda
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#68
m/p-Xylenes
Concen: 105.480 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion: 106 Resp: 488951
Ion Ratio Lower Upper
106 100
91 198.6 155.9 233.9





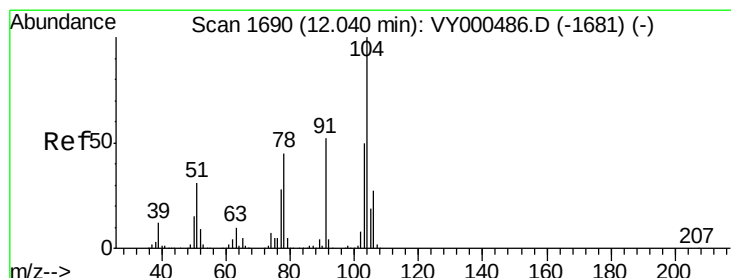
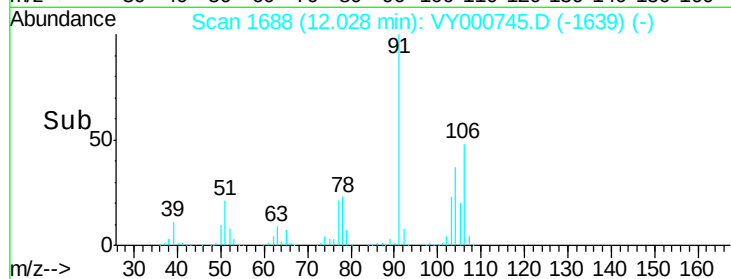
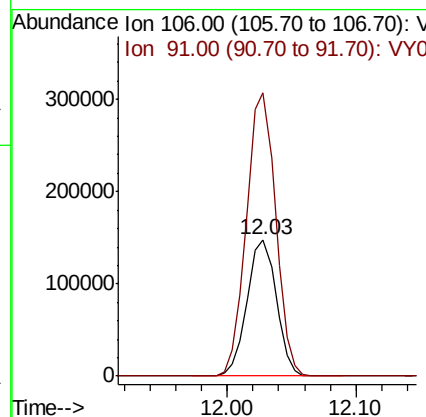
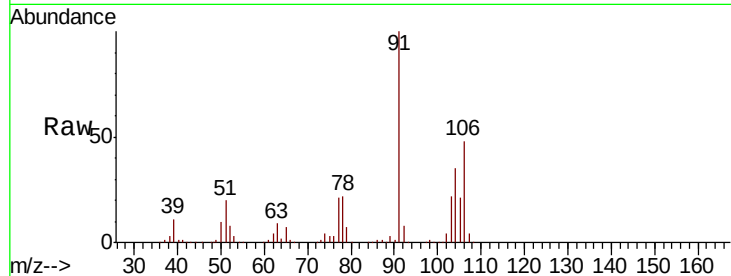
#69
o-Xylene
Concen: 53.297 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		232194		
91	207.5	106.5	319.6		

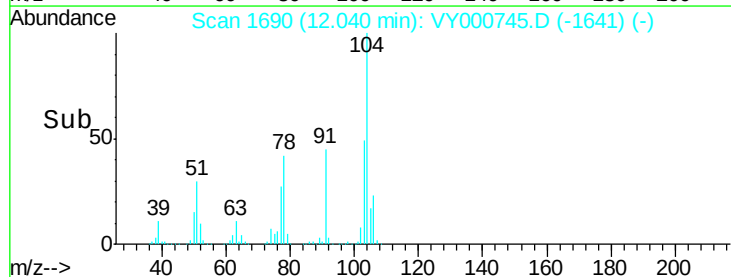
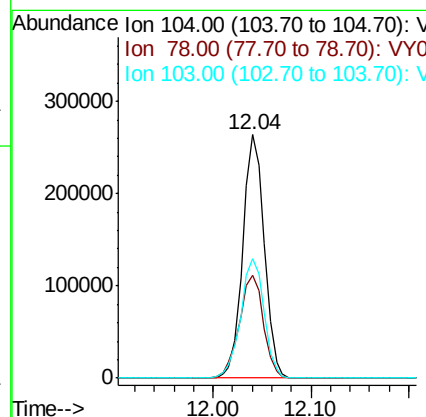
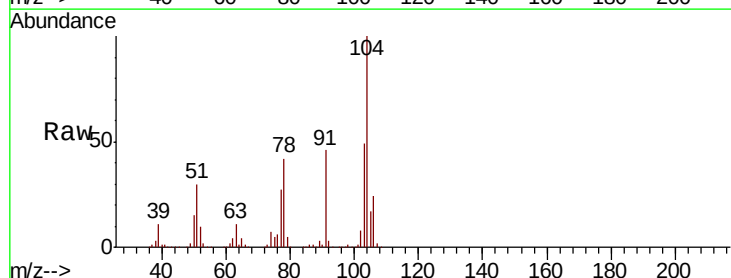
Manual Integrations
APPROVED

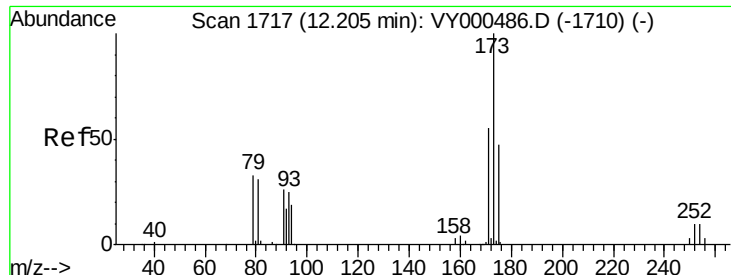
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#70
Styrene
Concen: 53.956 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		402511		
78	47.4	39.0	58.4		
103	53.4	42.5	63.7		





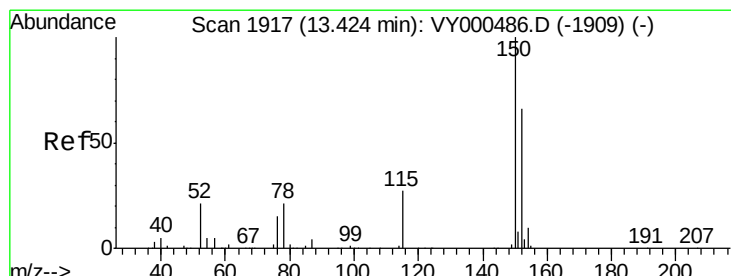
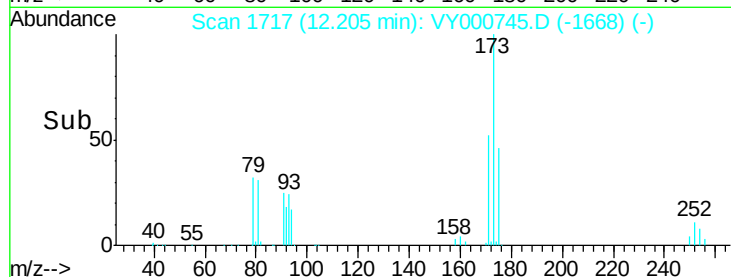
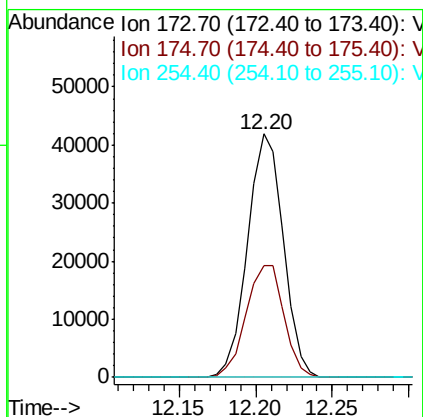
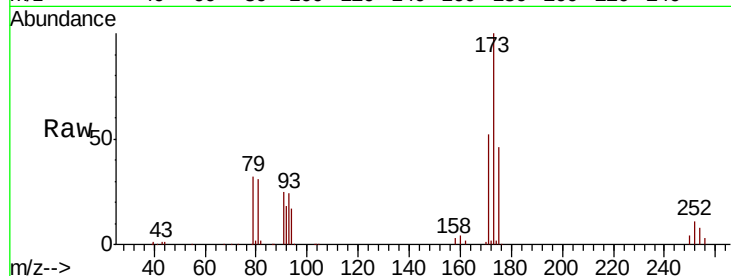
#71
Bromoform
Concen: 52.588 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.1	0.1#

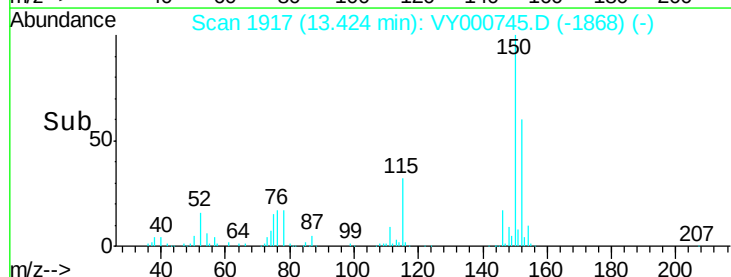
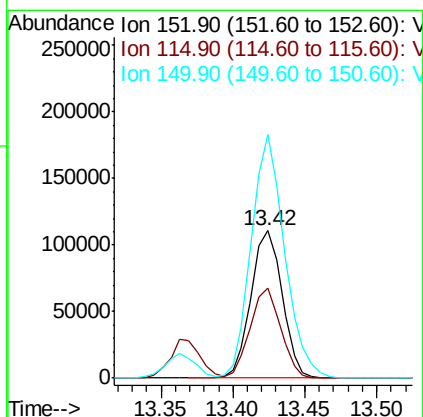
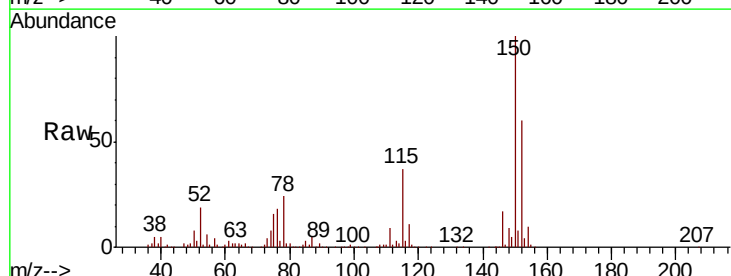
Manual Integrations
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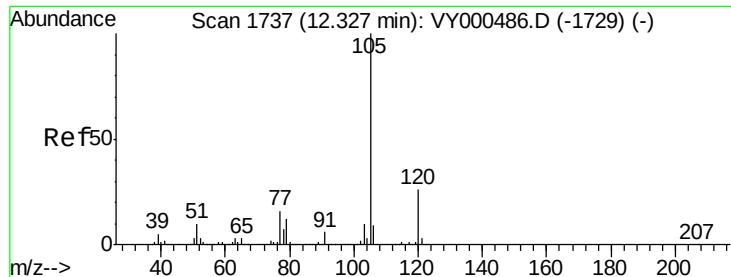
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.1	87.4
150	176.2	0.0	348.8





#73

Isopropylbenzene

Concen: 51.540 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 631993

Ion Ratio Lower Upper

105 100

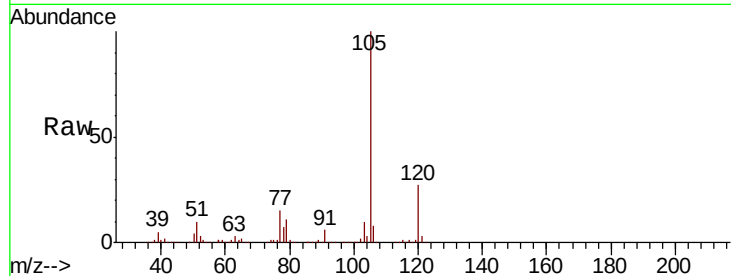
120 27.5 13.5 40.4

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

400000

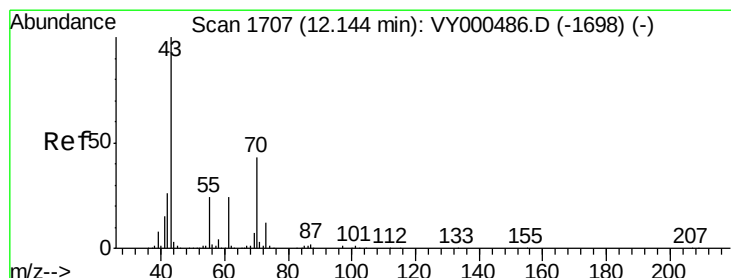
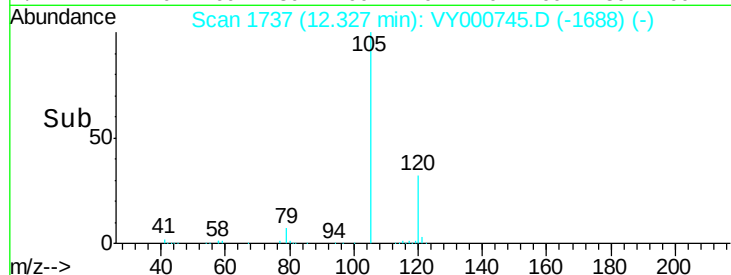
300000

200000

100000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 52.673 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion: 43 Resp: 184983

Ion Ratio Lower Upper

43 100

70 40.4 33.1 49.7

55 22.9 18.0 27.0

61 23.8 19.1 28.7

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.14

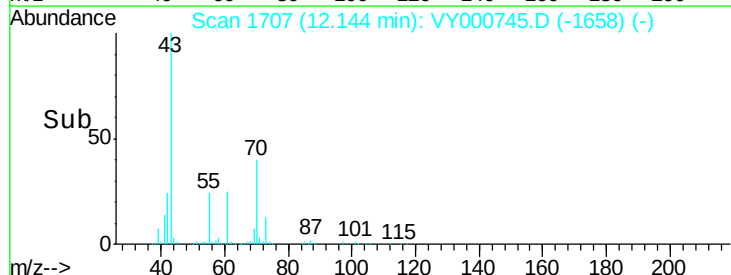
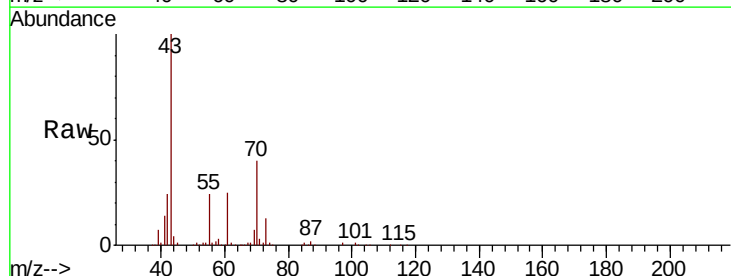
150000

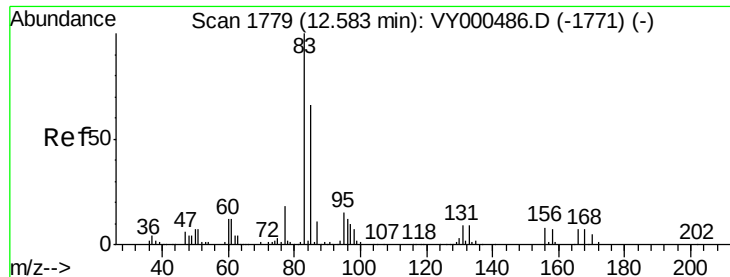
100000

50000

0

Time--> 12.00 12.10 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 50.935 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

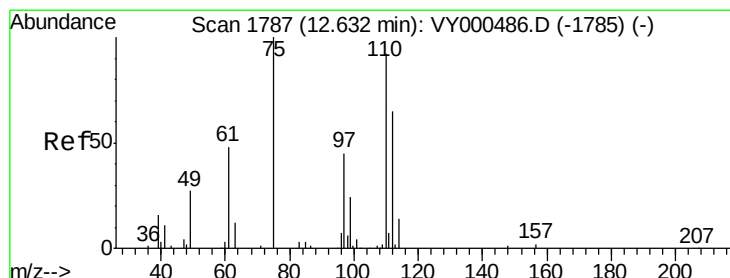
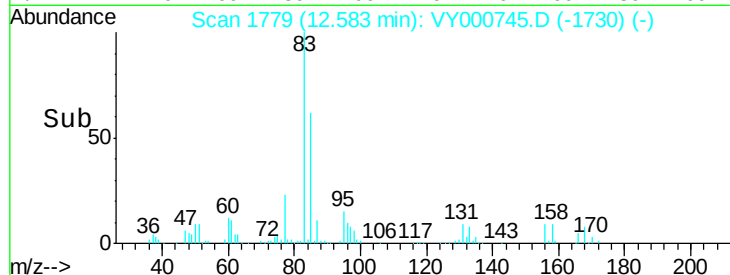
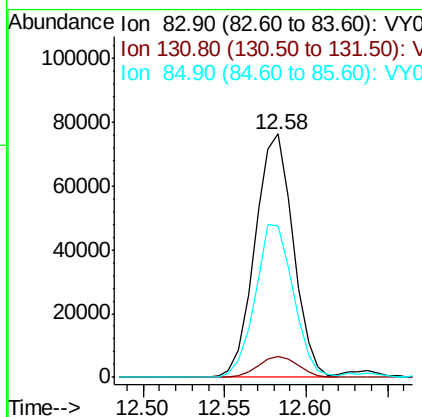
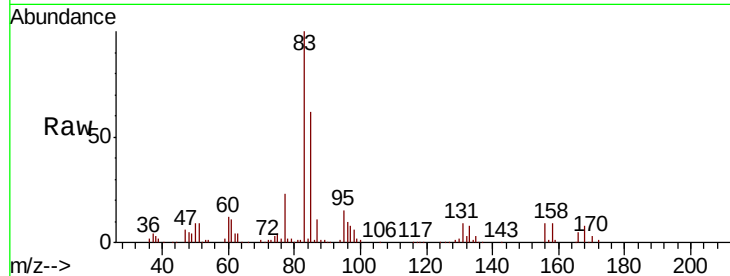
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123668
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	14.9
85	62.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.685 ug/l m

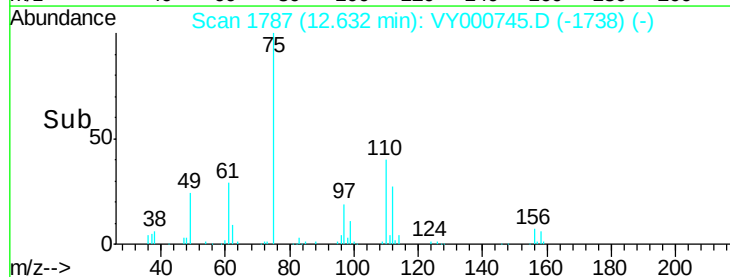
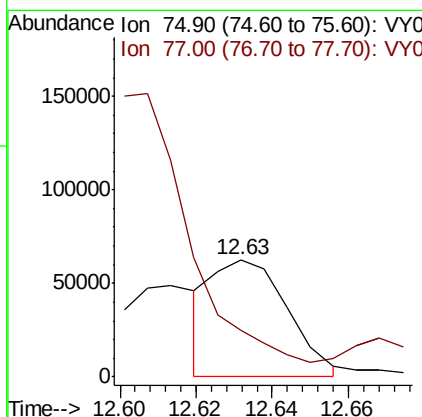
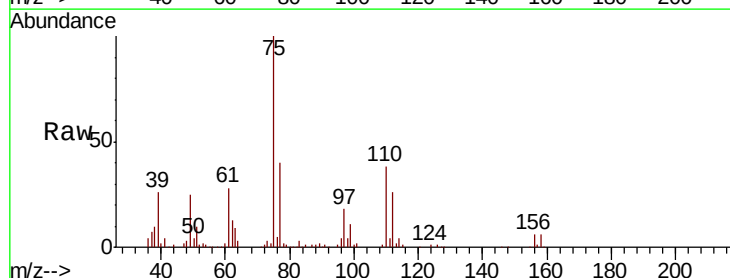
RT: 12.63 min Scan# 1787

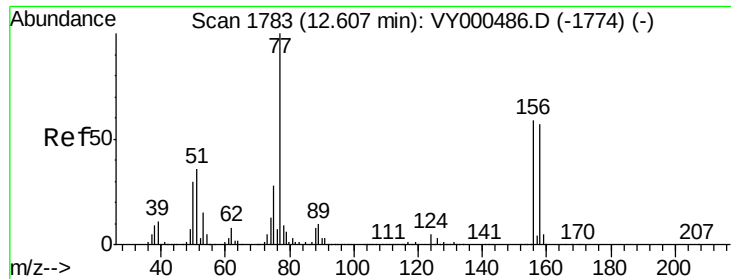
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	75	Resp:	86306
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.973 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

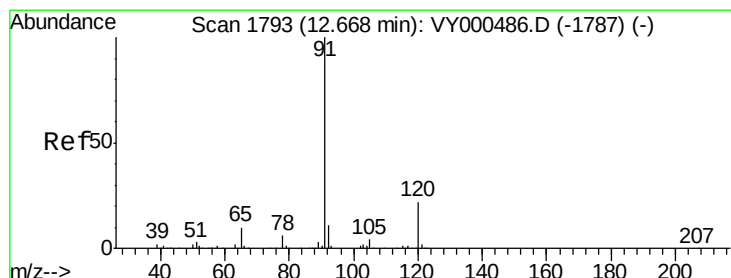
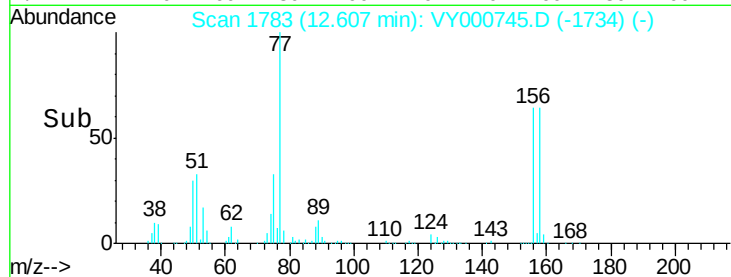
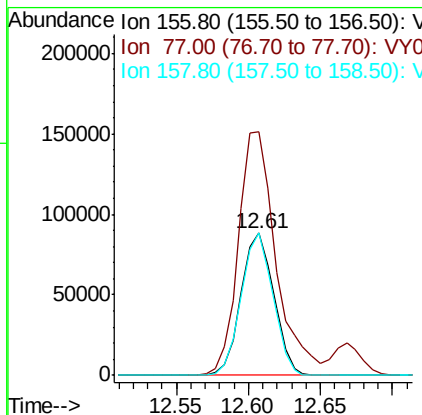
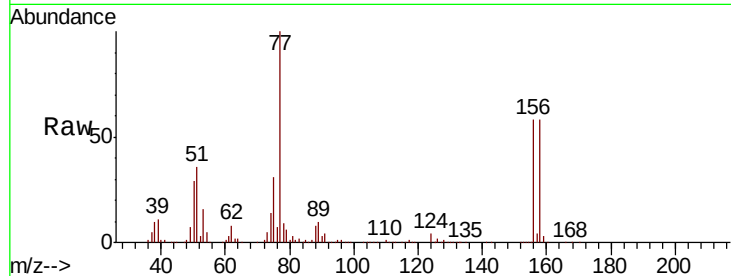
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	138961
Ion Ratio	Lower	Upper	
156	100		
77	197.5	98.2	294.4
158	97.2	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.091 ug/l

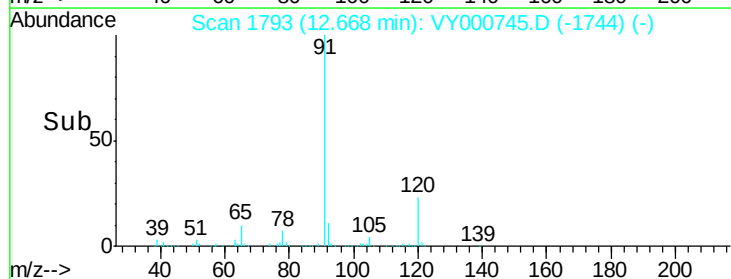
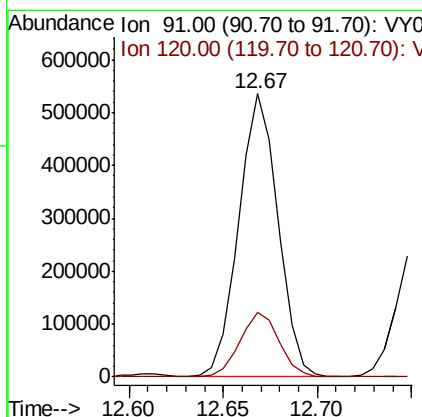
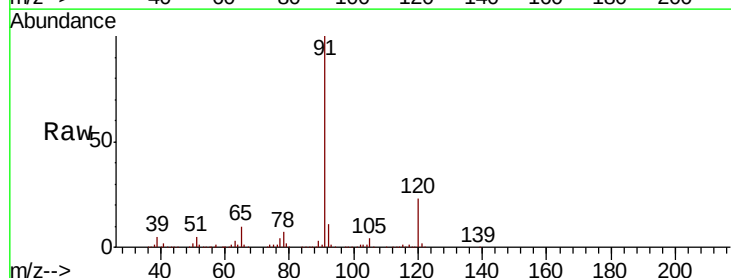
RT: 12.67 min Scan# 1793

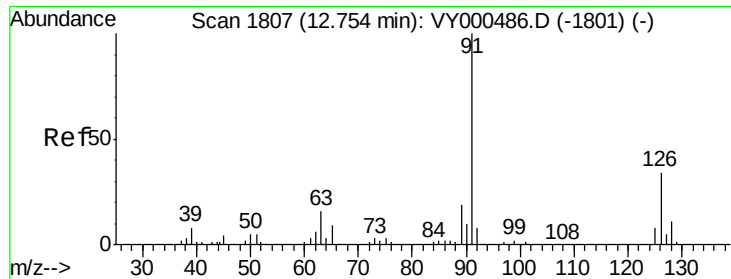
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	91	Resp:	770712
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.1





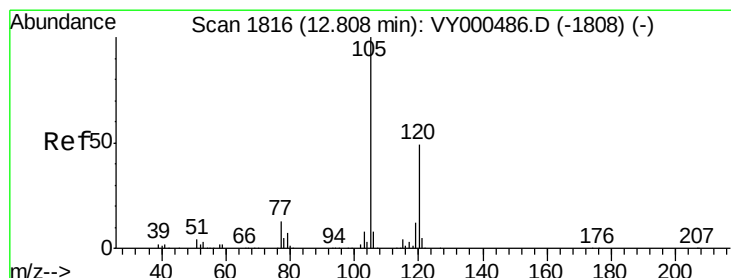
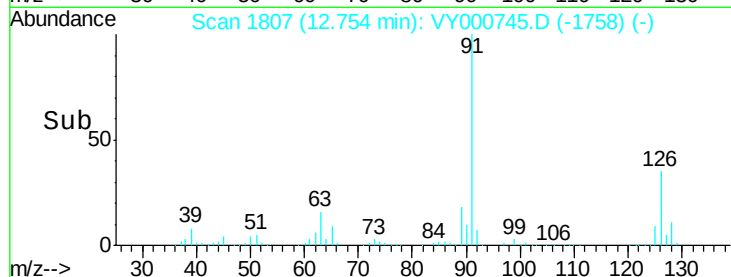
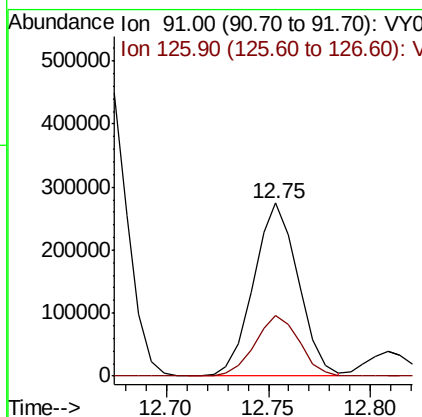
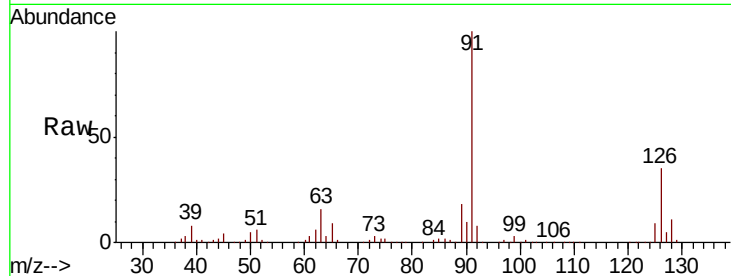
#79
2-Chlorotoluene
Concen: 50.839 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 417580
Ion Ratio Lower Upper
91 100
126 34.9 17.7 53.1

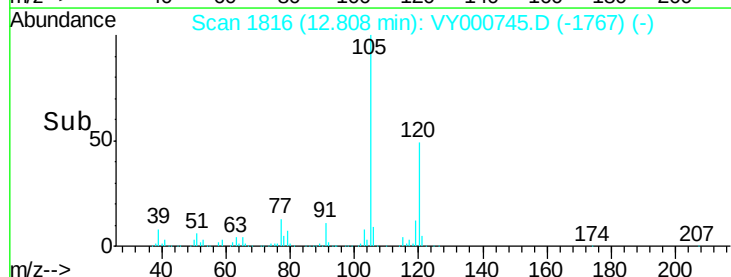
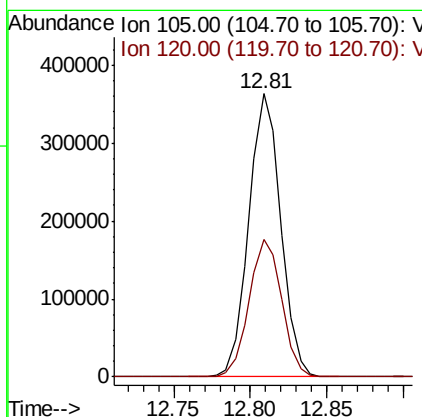
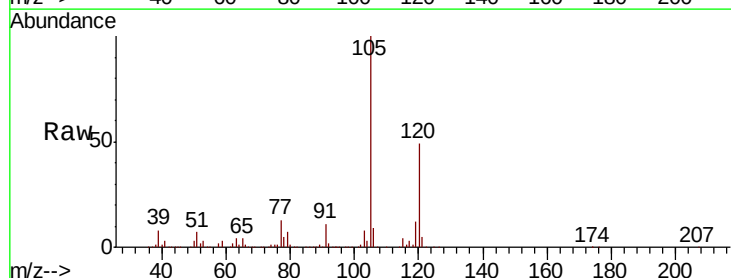
Manual Integrations
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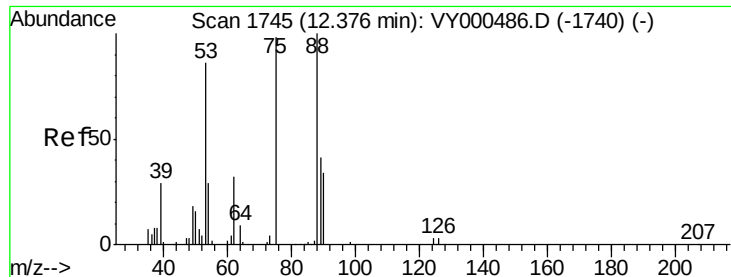
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.645 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion: 105 Resp: 527430
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.924 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 43749

Ion Ratio Lower Upper

75 100

53 91.0 73.2 109.8

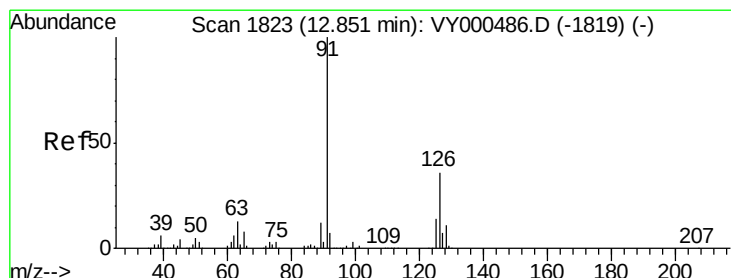
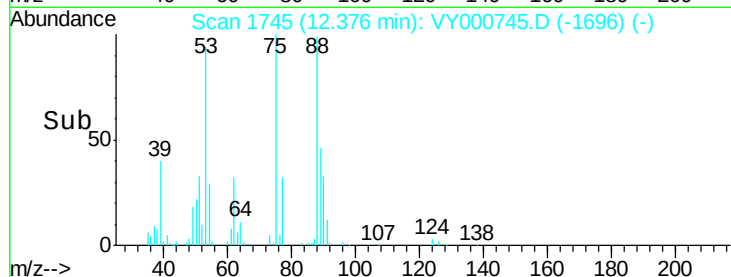
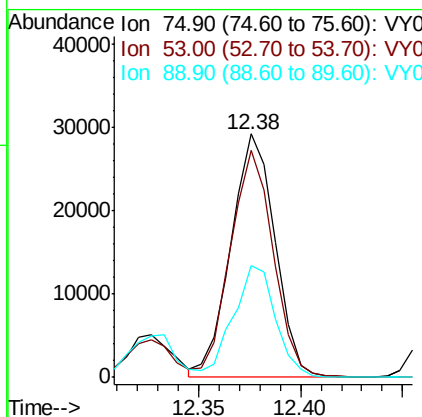
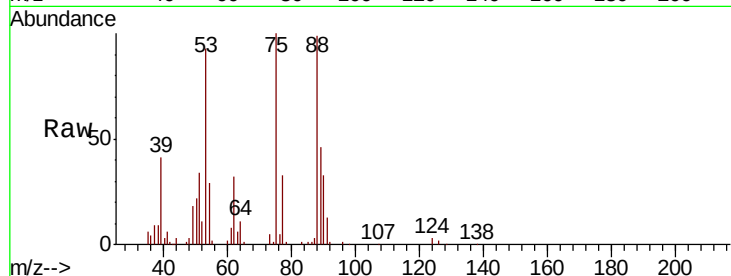
89 44.0 35.9 53.9

Manual Integrations

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#82

4-Chlorotoluene

Concen: 52.350 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000745.D

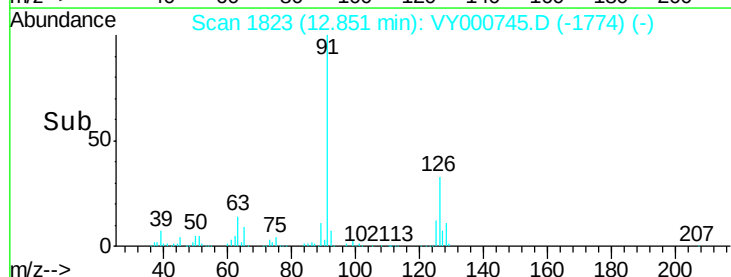
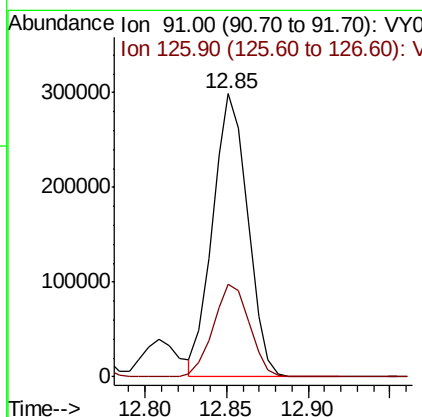
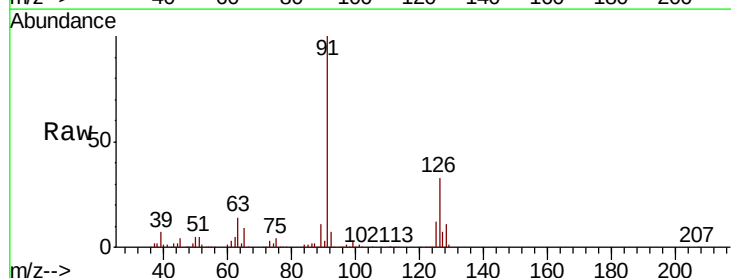
Acq: 20 Nov 2019 10:51

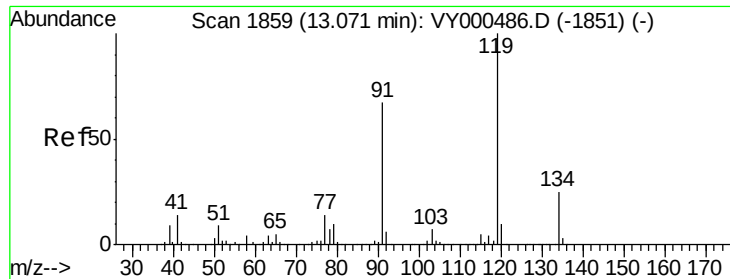
Tgt Ion: 91 Resp: 445718

Ion Ratio Lower Upper

91 100

126 34.3 17.6 52.9





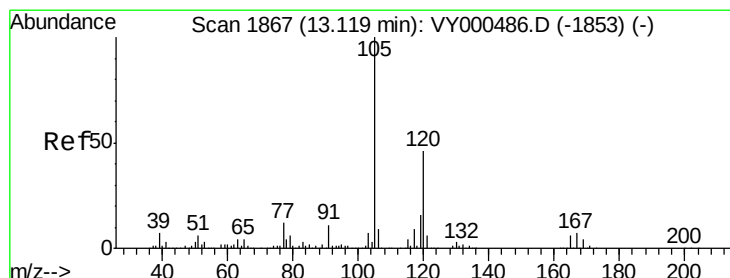
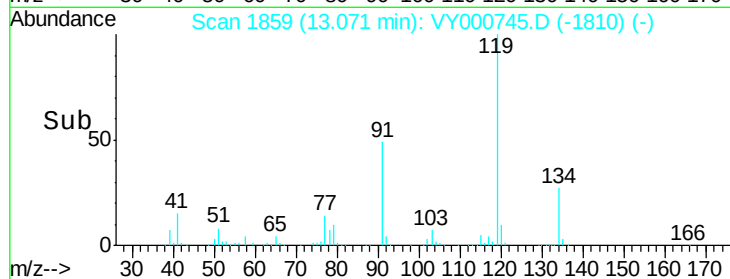
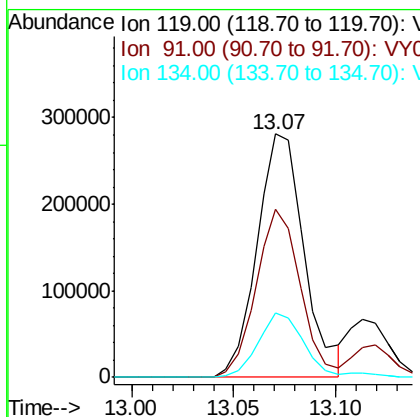
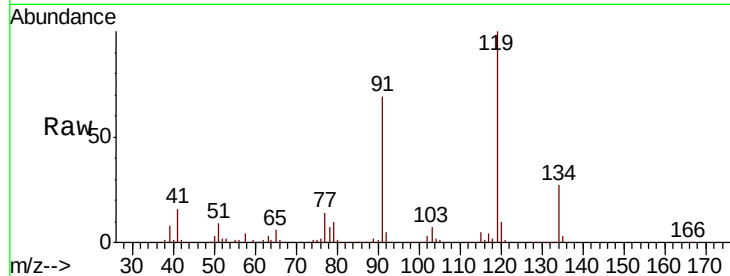
#83
tert-Butylbenzene
Concen: 51.843 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.1	96.3
134	26.5	13.2	39.5

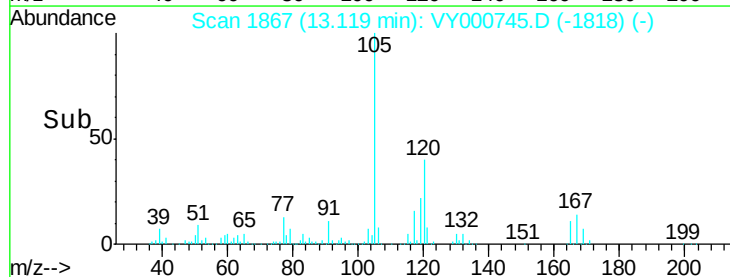
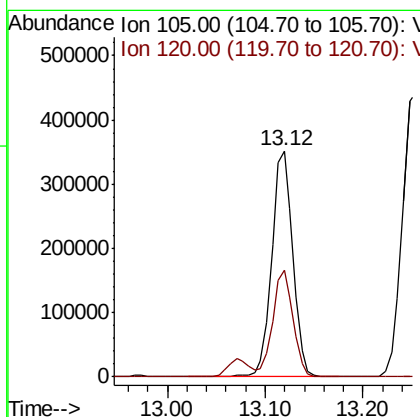
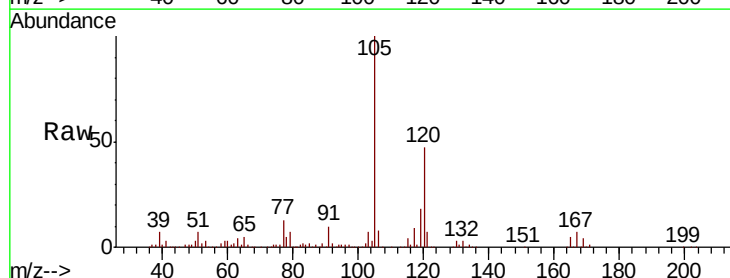
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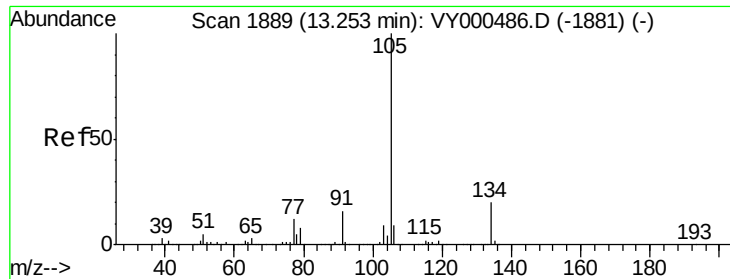
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#84
1,2,4-Trimethylbenzene
Concen: 52.462 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 53.460 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 664159

Ion Ratio Lower Upper

105 100

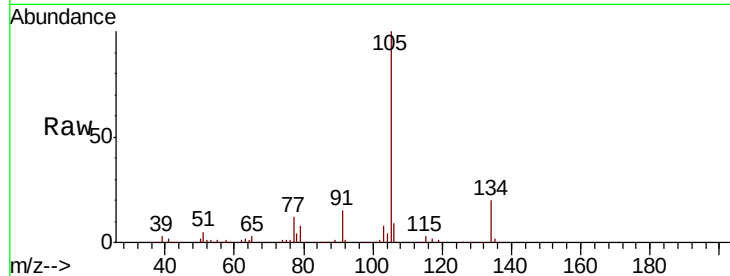
134 20.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

400000

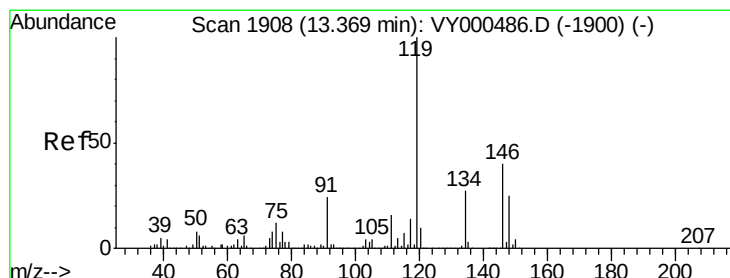
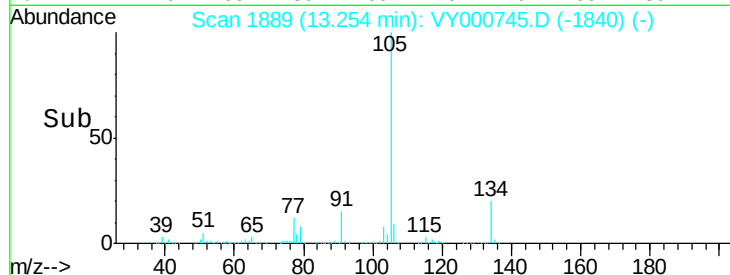
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.027 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

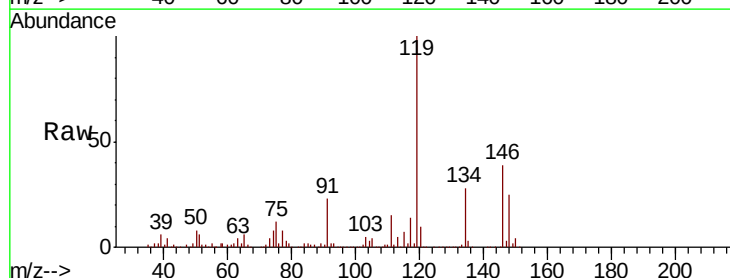
Tgt Ion:119 Resp: 587139

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

400000

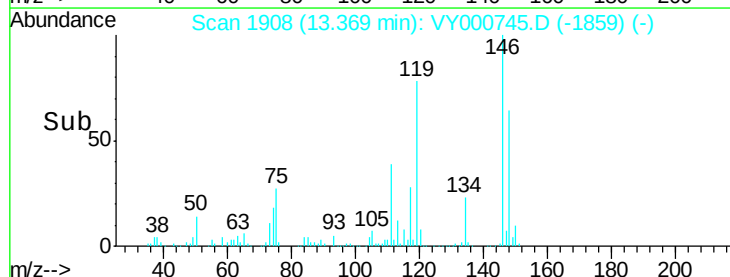
300000

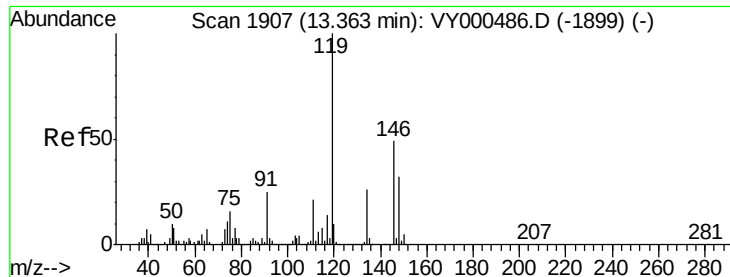
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.054 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

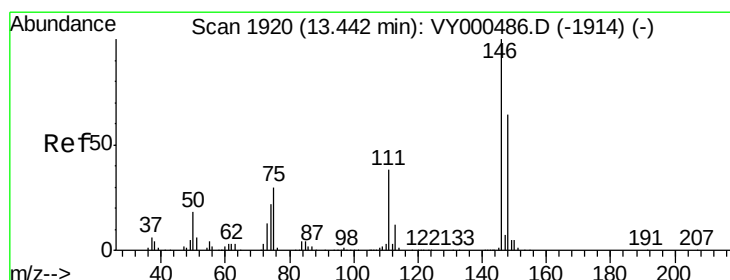
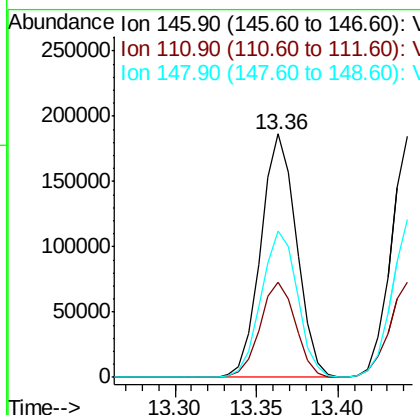
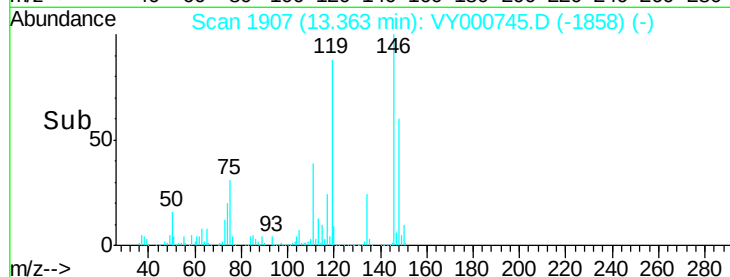
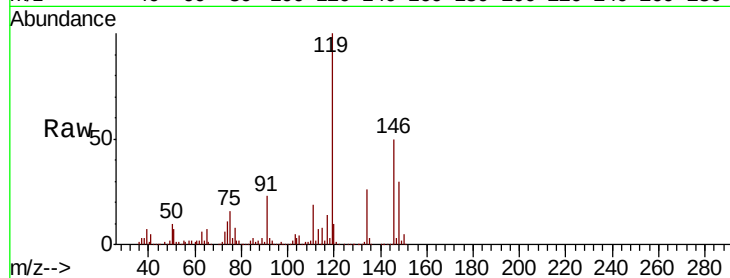
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	283517
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.3	60.8
148	61.3	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 51.481 ug/l

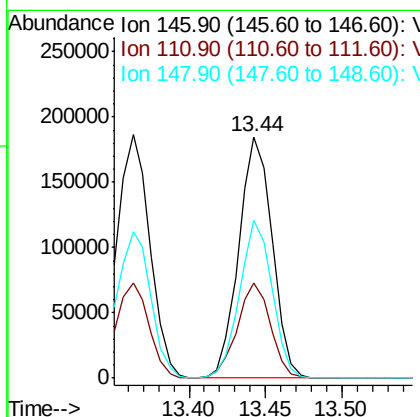
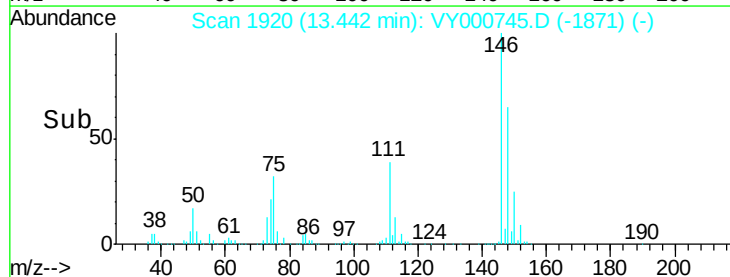
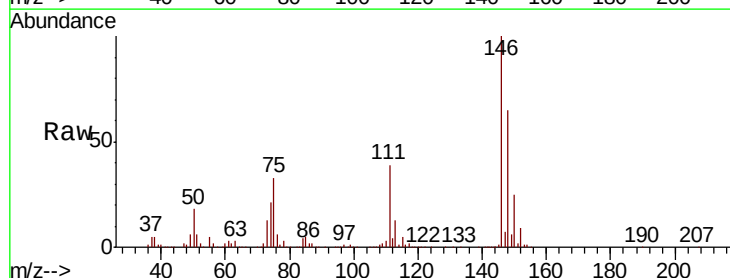
RT: 13.44 min Scan# 1920

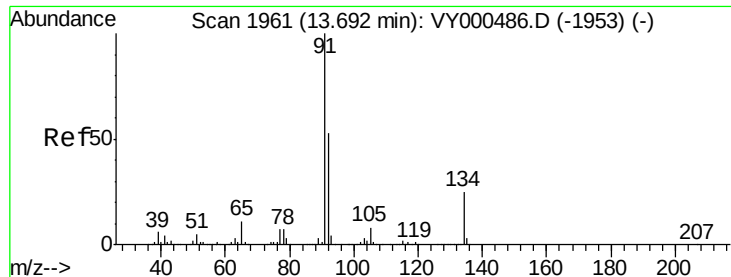
Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	146	Resp:	280191
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.7	59.0
148	63.5	31.9	95.7





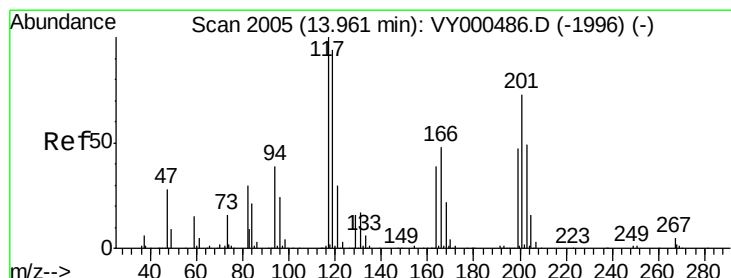
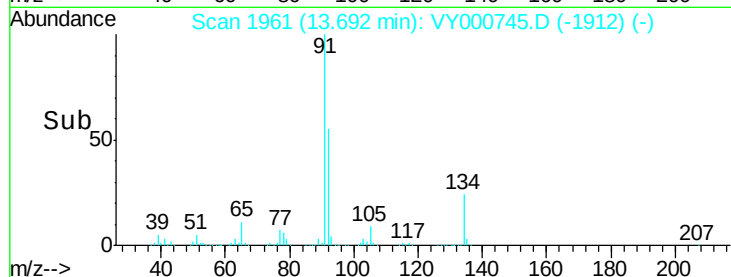
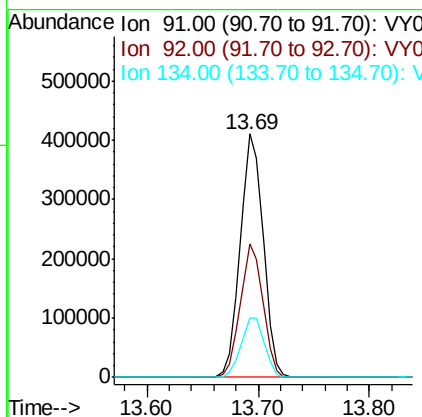
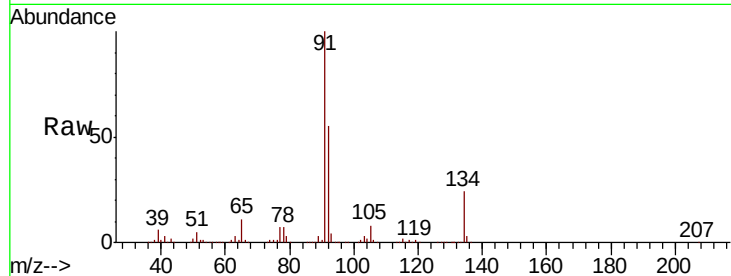
#89
n-Butylbenzene
Concen: 53.739 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.0	26.8	80.3	
134	24.9	12.9	38.7	

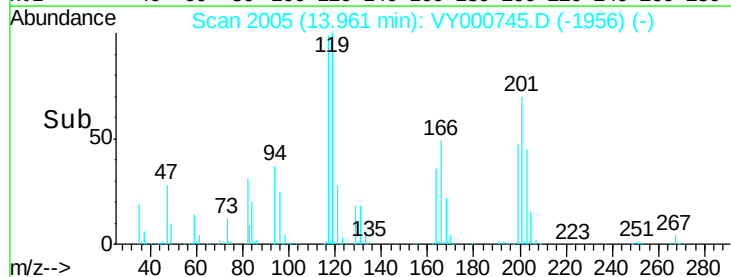
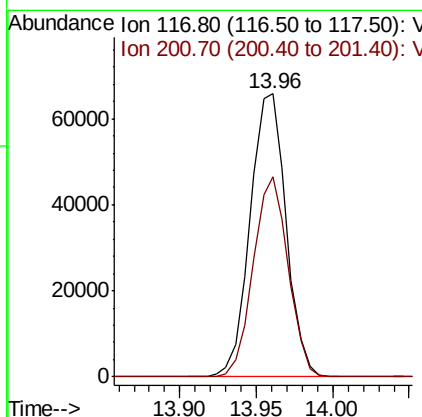
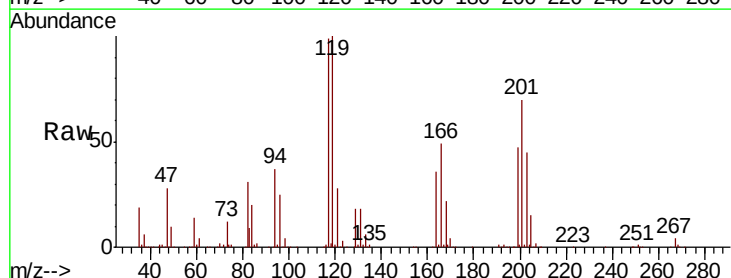
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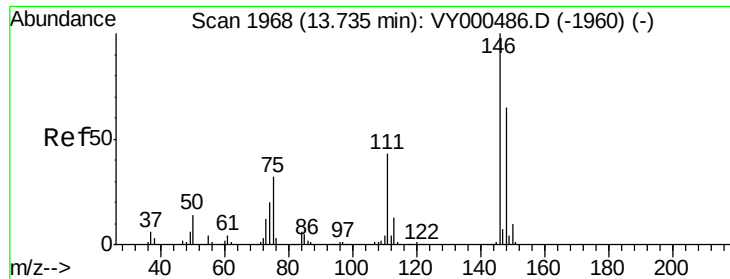
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#90
Hexachloroethane
Concen: 52.608 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000745.D
Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.5	35.8	107.3	





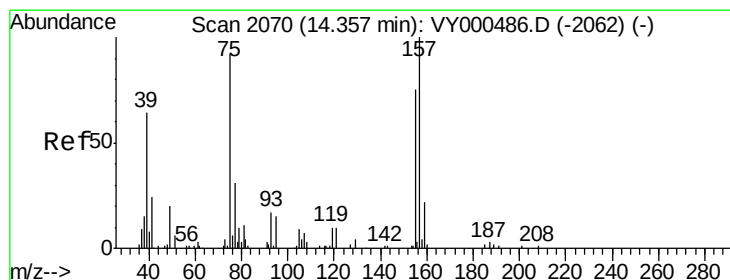
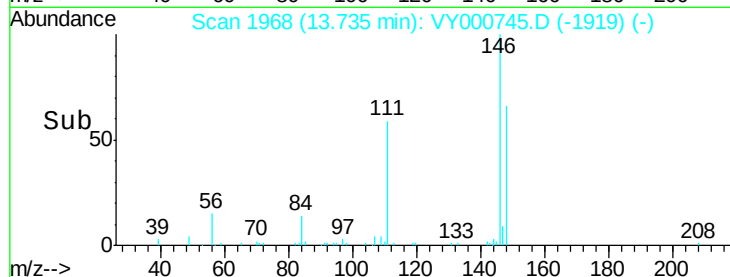
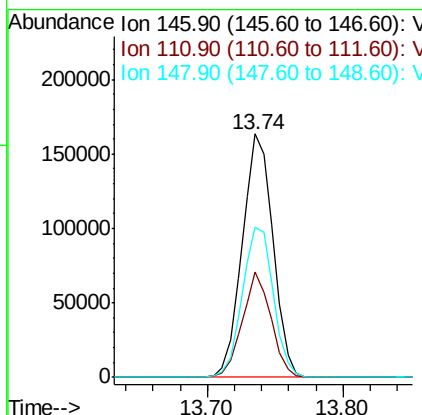
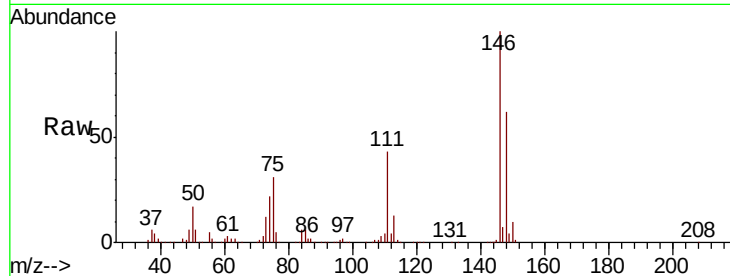
#91
 1,2-Dichlorobenzene
 Concen: 52.164 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	62.4	31.7	95.1

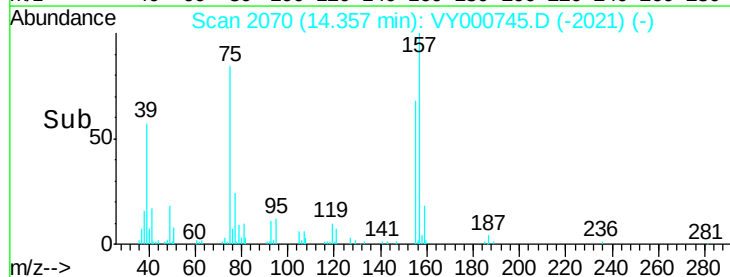
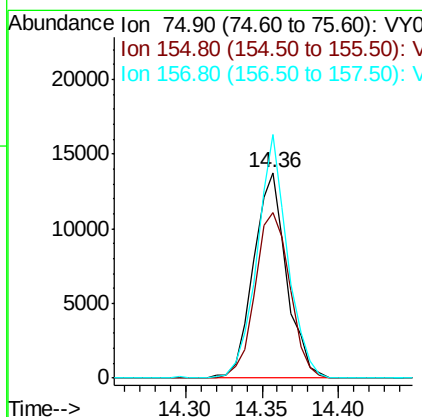
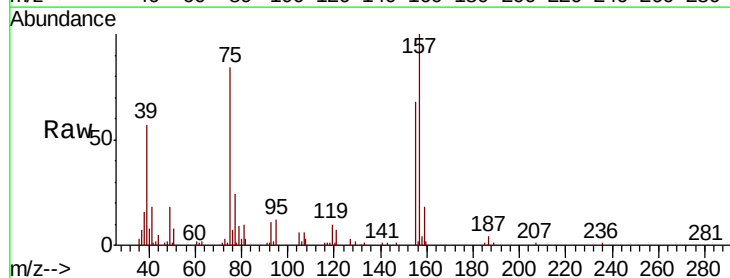
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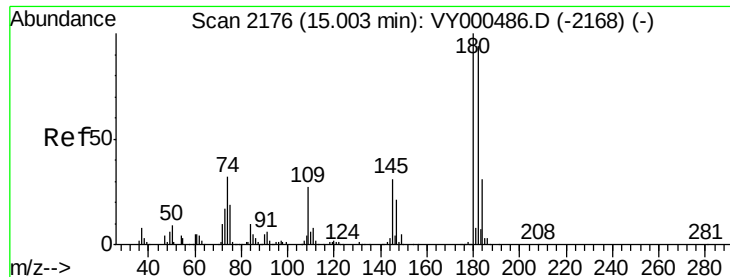
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.964 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.4	127.1
157	109.4	55.1	165.3





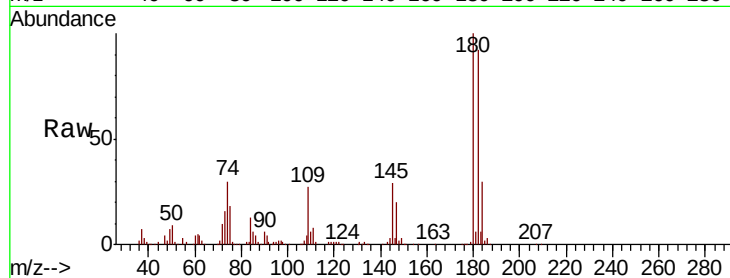
#93
 1,2,4-Trichlorobenzene
 Concen: 50.929 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171366		
182	91.9	47.8	143.4	
145	29.4	16.0	47.9	

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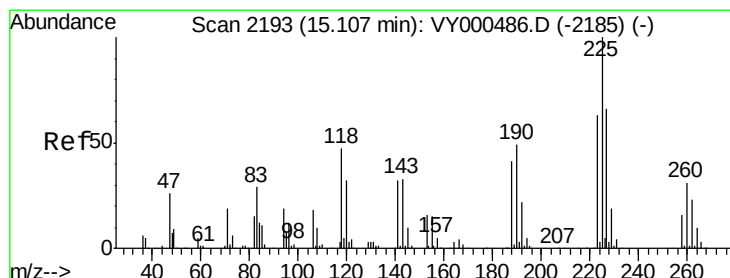
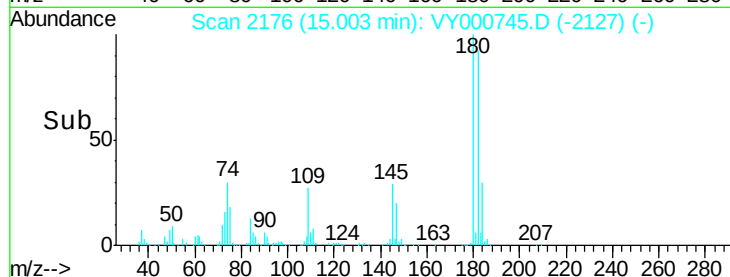
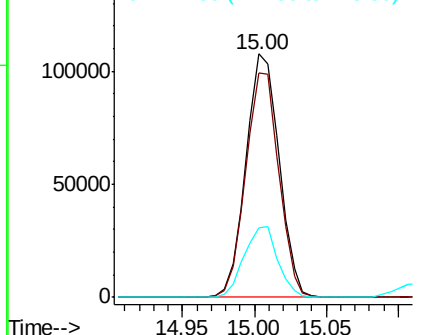


Abundance

Ion 179.80 (179.50 to 180.50): V

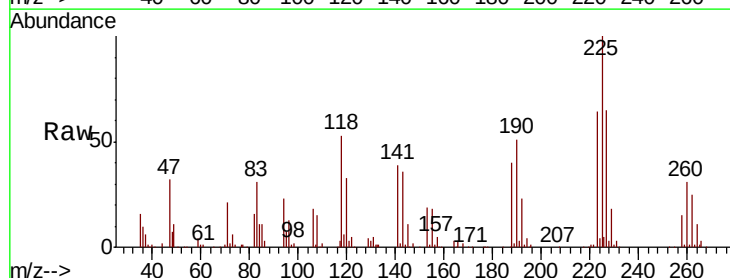
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.510 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000745.D
 Acq: 20 Nov 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87609		
223	64.2	31.3	93.8	
227	62.9	32.4	97.0	

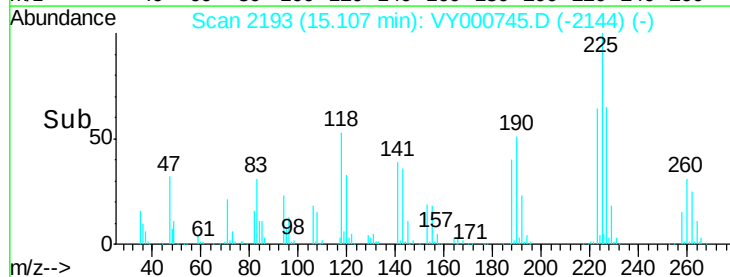
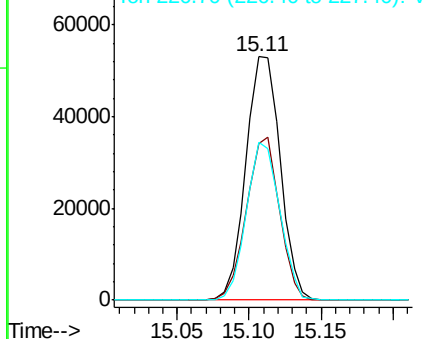


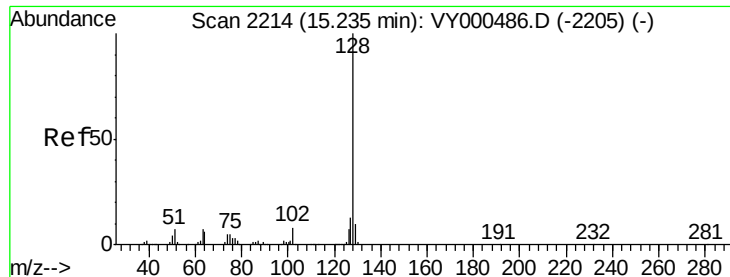
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.151 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Instrument :

MSVOA_Y

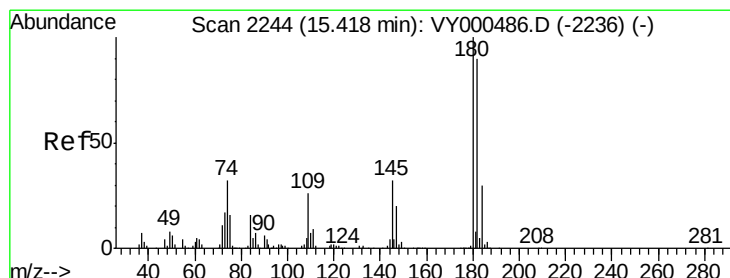
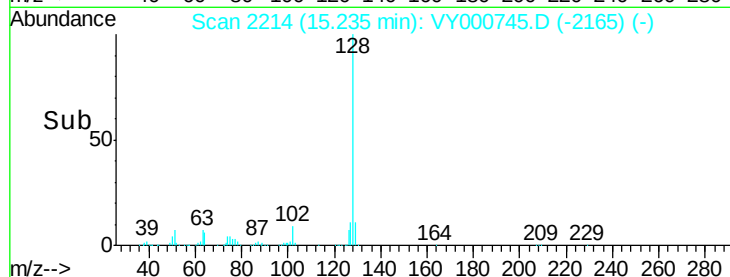
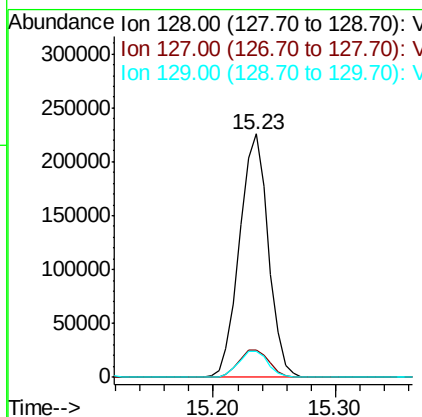
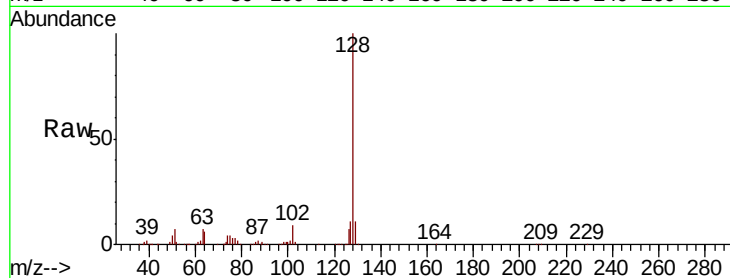
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	367139
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:53:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.832 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY000745.D

Acq: 20 Nov 2019 10:51

Tgt Ion:	180	Resp:	147411
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.3
145	32.2	15.7	47.0

