

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001633.D
 Acq On : 13 Feb 2020 17:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 2/14/2020 5:27:18 PM

Quant Time: Feb 14 07:05:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	180306	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	319904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	137006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	96334	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.75	113	88469	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.20	98	361375	51.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.49	95	134844	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	76756	43.489	ug/l	96
3) Chloromethane	2.13	50	100665	54.570	ug/l	96
4) Vinyl Chloride	2.27	62	104968	54.801	ug/l	99
5) Bromomethane	2.66	94	69351	57.571	ug/l	99
6) Chloroethane	2.81	64	67422	58.396	ug/l	98
7) Trichlorofluoromethane	3.15	101	141489	44.626	ug/l	100
8) Diethyl Ether	3.55	74	56169	52.499	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	87992	46.126	ug/l	98
10) Methyl Iodide	4.12	142	109016	44.849	ug/l	99
11) Tert butyl alcohol	5.00	59	54020	266.897	ug/l	99
12) 1,1-Dichloroethene	3.90	96	88973	46.935	ug/l	99
13) Acrolein	3.76	56	45132	262.549	ug/l	98
14) Allyl chloride	4.51	41	161877	55.821	ug/l	96
15) Acrylonitrile	5.21	53	150771	307.393	ug/l	99
16) Acetone	3.98	43	132440	252.204	ug/l	99
17) Carbon Disulfide	4.22	76	274924	45.557	ug/l	99
18) Methyl Acetate	4.51	43	68774	61.372	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	260696	51.712	ug/l	94
20) Methylene Chloride	4.75	84	104988	51.170	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	102151	48.473	ug/l	97
22) Diisopropyl ether	6.15	45	340022	59.182	ug/l	93
23) Vinyl Acetate	6.10	43	1127494	308.270	ug/l	95
24) 1,1-Dichloroethane	6.05	63	180798	52.317	ug/l	98
25) 2-Butanone	7.02	43	208625	306.227	ug/l	92
26) 2,2-Dichloropropane	7.02	77	152099	45.987	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	116296	50.525	ug/l	97
28) Bromochloromethane	7.36	49	78564	66.734	ug/l	86
29) Tetrahydrofuran	7.38	42	135376	331.531	ug/l	91
30) Chloroform	7.54	83	174401	49.821	ug/l	97
31) Cyclohexane	7.81	56	173793	49.163	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	146881	46.280	ug/l	97
36) 1,1-Dichloropropene	7.94	75	140734	48.089	ug/l	99
37) Ethyl Acetate	7.10	43	87876	62.028	ug/l	96
38) Carbon Tetrachloride	7.93	117	126704	44.749	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	181719	47.158	ug/l	99
40) Benzene	8.19	78	420591	50.386	ug/l	99
41) Methacrylonitrile	7.35	41	38317m	58.357	ug/l	
42) 1,2-Dichloroethane	8.26	62	119624	51.439	ug/l	99
43) Isopropyl Acetate	8.30	43	170960	60.948	ug/l	94
44) Trichloroethene	8.96	130	104871	46.609	ug/l	98
45) 1,2-Dichloropropane	9.24	63	108835	53.994	ug/l	98
46) Dibromomethane	9.33	93	57659	50.942	ug/l	98
47) Bromodichloromethane	9.52	83	135490	49.130	ug/l	97
48) Methyl methacrylate	9.31	41	76985	60.470	ug/l	92
49) 1,4-Dioxane	9.32	88	16268	1088.314	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	447280	323.789	ug/l	94
52) Toluene	10.26	92	263148	49.684	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	151011	50.274	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	174329	50.553	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	83797	51.601	ug/l	96
56) Ethyl methacrylate	10.52	69	128304	55.548	ug/l	92
57) 1,3-Dichloropropane	10.81	76	149247	52.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	241522	284.241	ug/l	95
59) 2-Hexanone	10.85	43	323800	322.383	ug/l	95
60) Dibromochloromethane	11.00	129	94615	49.428	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80860	50.554	ug/l	97
64) Tetrachloroethene	10.74	164	84476	44.391	ug/l	98
65) Chlorobenzene	11.53	112	273797	48.056	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	94789	47.535	ug/l	100
67) Ethyl Benzene	11.61	91	510698	48.479	ug/l	100
68) m/p-Xylenes	11.72	106	381006	96.343	ug/l	99
69) o-Xylene	12.04	106	182231	48.872	ug/l	99
70) Styrene	12.06	104	319137	49.493	ug/l	98
71) Bromoform	12.22	173	54175	48.791	ug/l #	97
73) Isopropylbenzene	12.34	105	484485	46.366	ug/l	100
74) N-amyl acetate	12.16	43	161223	59.376	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	107196	53.996	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	79996m	54.295	ug/l	
77) Bromobenzene	12.62	156	107697	47.626	ug/l	95
78) n-propylbenzene	12.69	91	596746	47.704	ug/l	99
79) 2-Chlorotoluene	12.77	91	333613	46.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	405734	46.106	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39430	51.783	ug/l	99
82) 4-Chlorotoluene	12.87	91	352436	47.142	ug/l	100
83) tert-Butylbenzene	13.09	119	343521	46.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	403658	46.346	ug/l	99
85) sec-Butylbenzene	13.27	105	498359	47.652	ug/l	100
86) p-Isopropyltoluene	13.38	119	430221	46.682	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	205863	47.503	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	206738	47.618	ug/l	99
89) n-Butylbenzene	13.71	91	437784	48.144	ug/l	99
90) Hexachloroethane	13.97	117	82707	46.757	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	190657	48.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17181	46.879	ug/l	97

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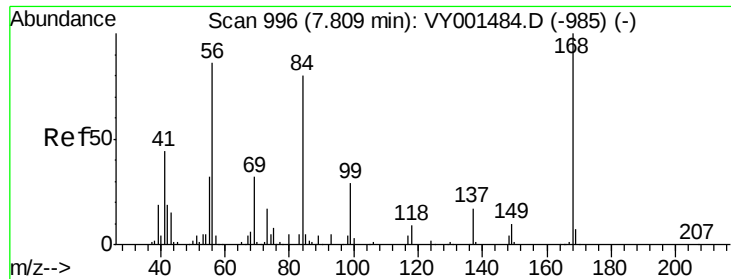
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	120918	45.689	ug/l	99
94) Hexachlorobutadiene	15.12	225	60297	44.890	ug/l	99
95) Naphthalene	15.25	128	288757	46.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	106996	45.799	ug/l	98

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



#1

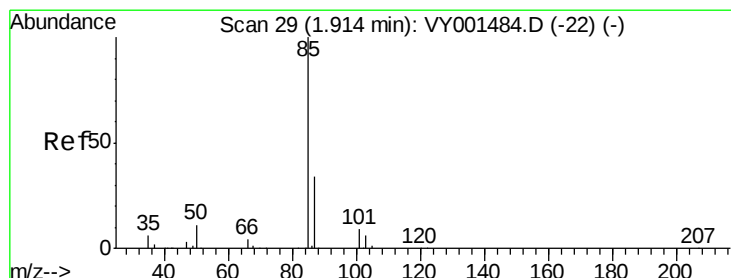
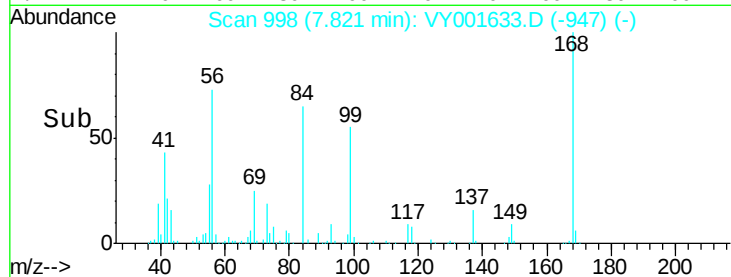
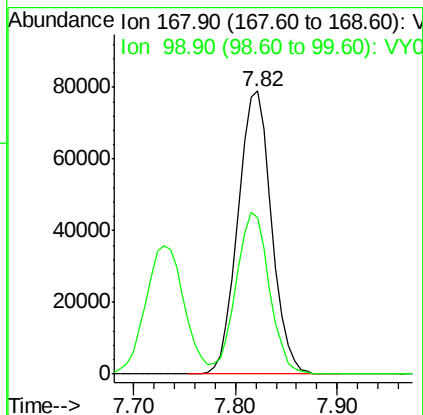
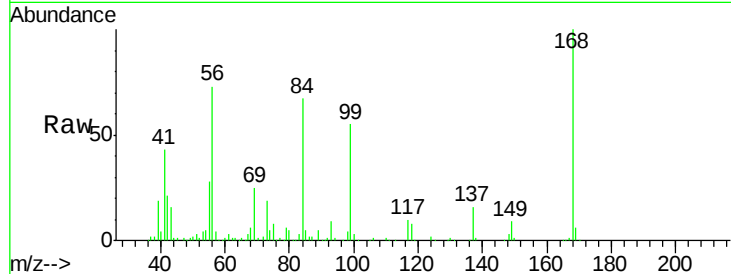
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:168 Resp: 180306
 Ion Ratio Lower Upper
 168 100
 99 55.1 48.2 72.4

Manual Integrations
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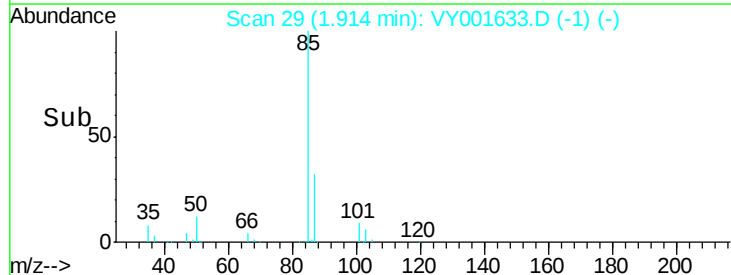
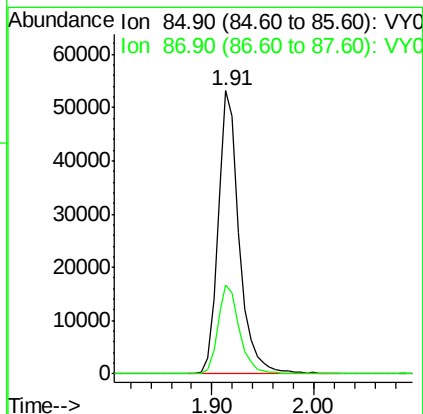
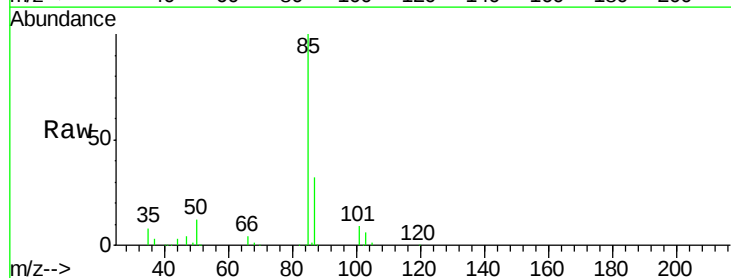
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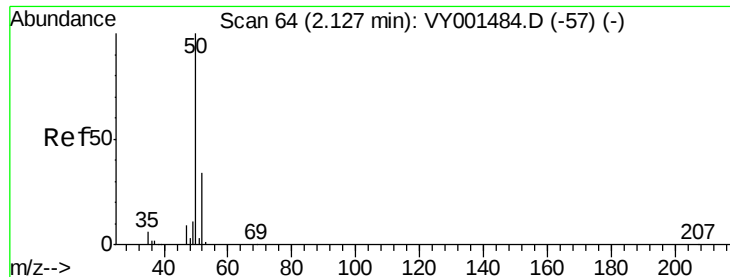


#2

Dichlorodifluoromethane
 Concen: 43.489 ug/l
 RT: 1.91 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion: 85 Resp: 76756
 Ion Ratio Lower Upper
 85 100
 87 31.6 17.0 50.9





#3

Chloromethane

Concen: 54.570 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100665

Ion Ratio Lower Upper

50 100

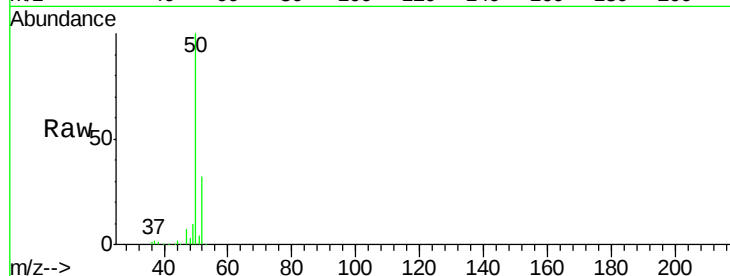
52 32.0 27.3 40.9

Manual Integrations

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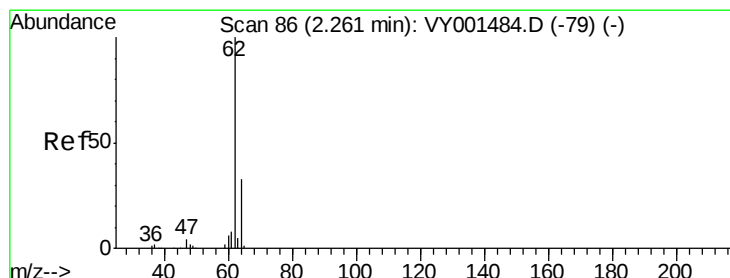
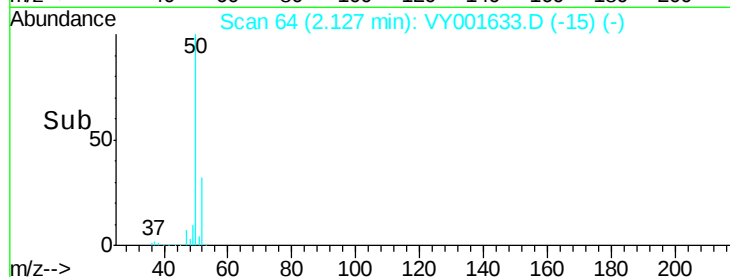
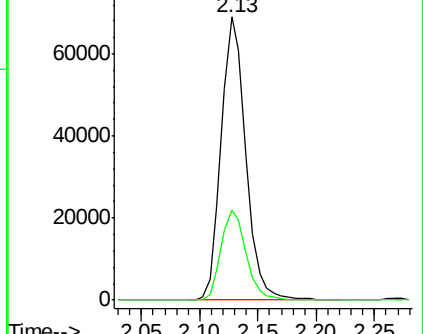
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 54.801 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001633.D

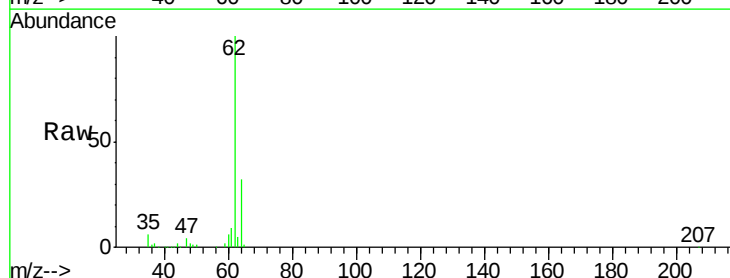
Acq: 13 Feb 2020 17:57

Tgt Ion: 62 Resp: 104968

Ion Ratio Lower Upper

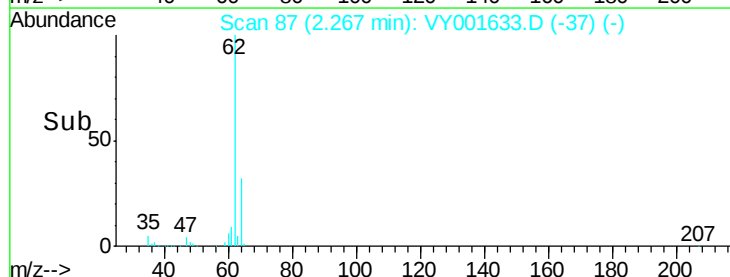
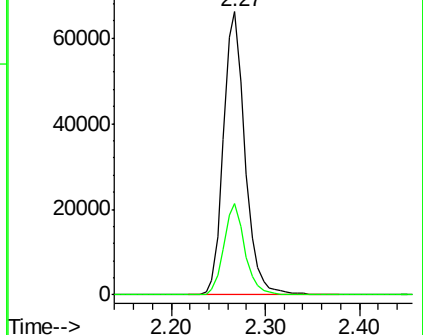
62 100

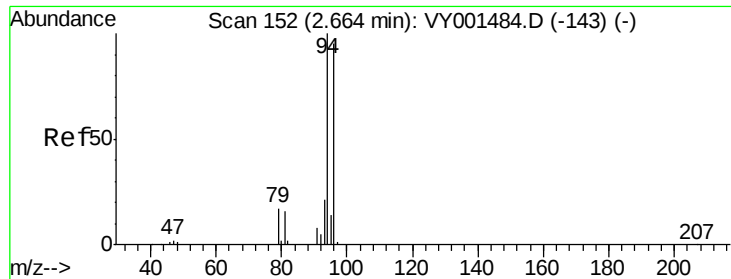
64 32.5 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 57.571 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69351

Ion Ratio Lower Upper

94 100

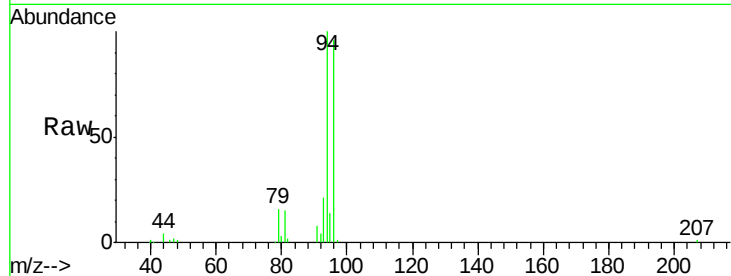
96 96.3 76.2 114.2

Manual Integrations

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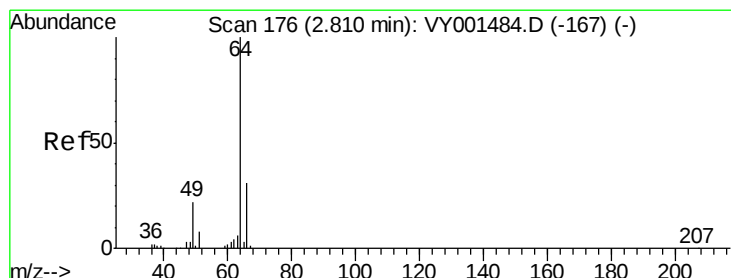
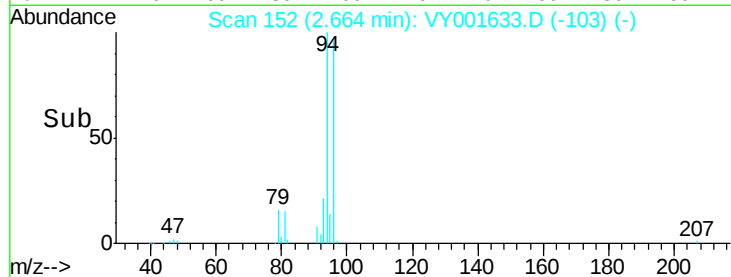
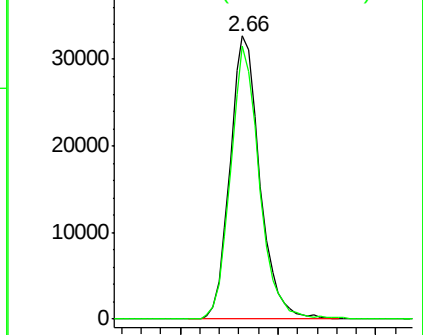
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 58.396 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001633.D

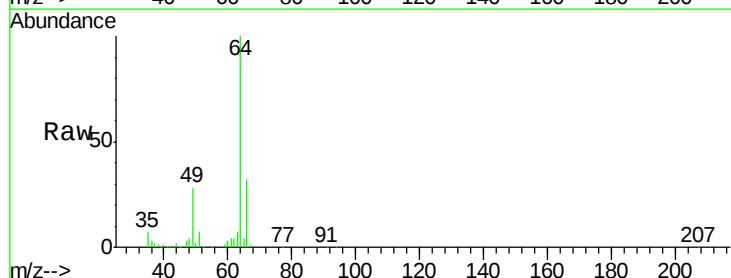
Acq: 13 Feb 2020 17:57

Tgt Ion: 64 Resp: 67422

Ion Ratio Lower Upper

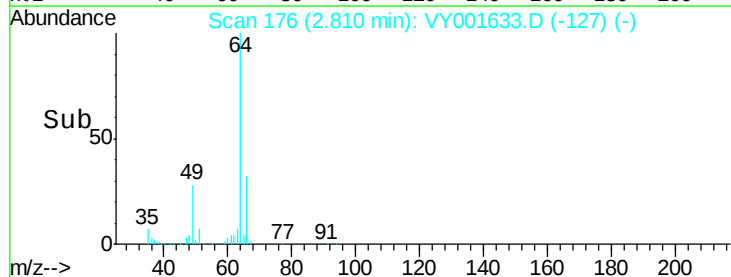
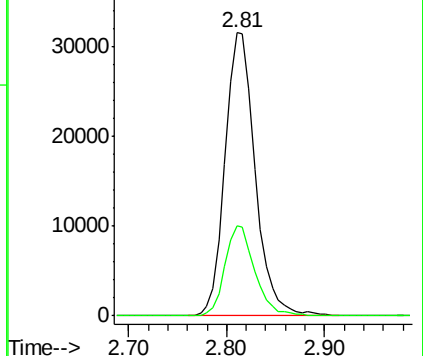
64 100

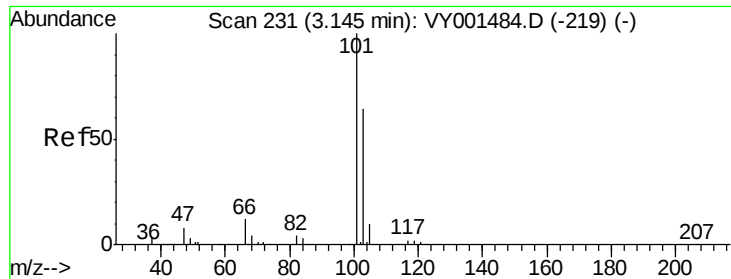
66 31.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

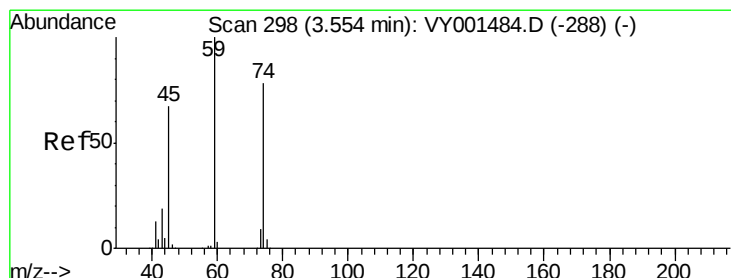
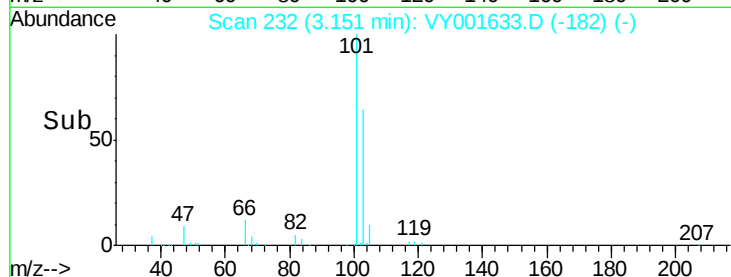
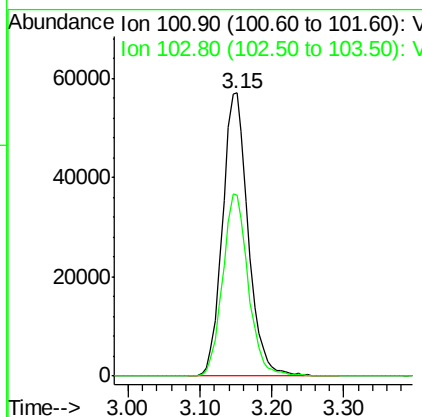
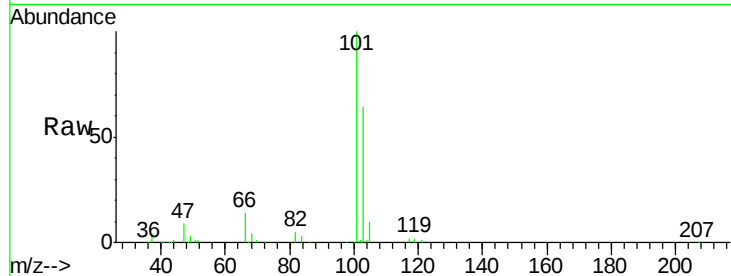
Trichlorofluoromethane
 Concen: 44.626 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.9	76.3

Manual Integrations
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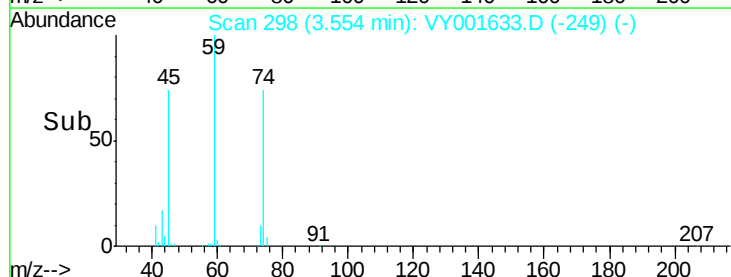
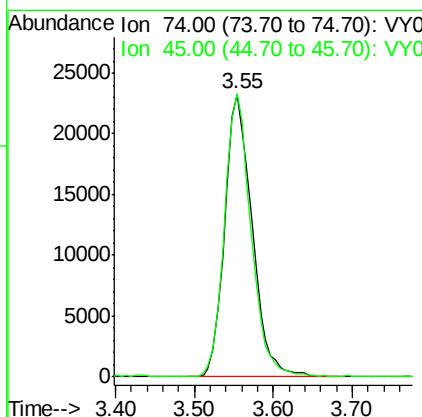
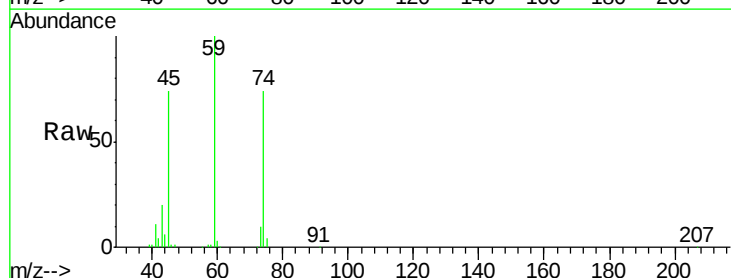
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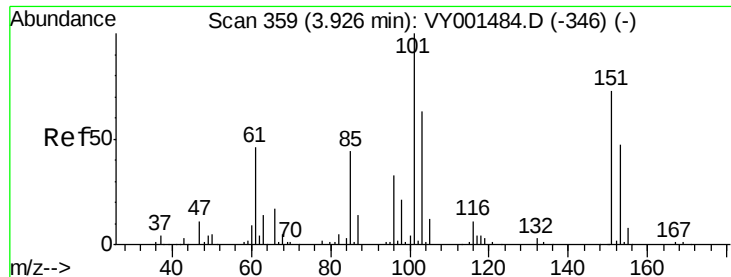


#8

Diethyl Ether
 Concen: 52.499 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.126 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

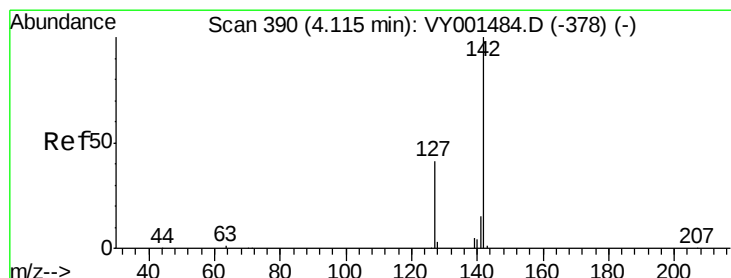
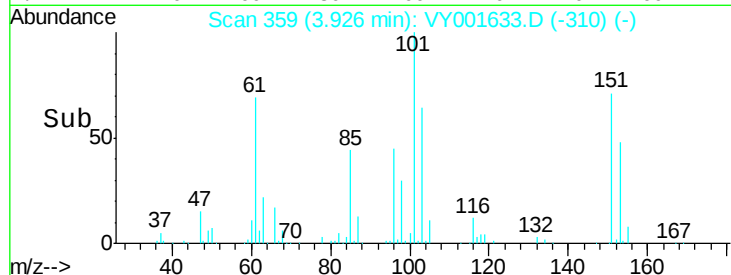
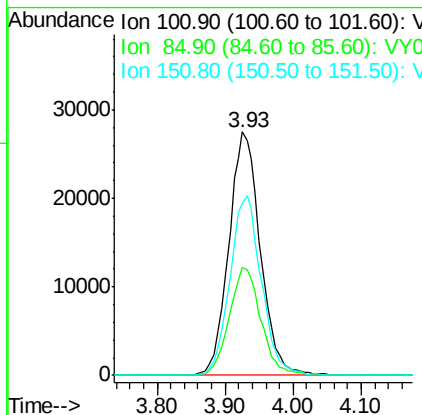
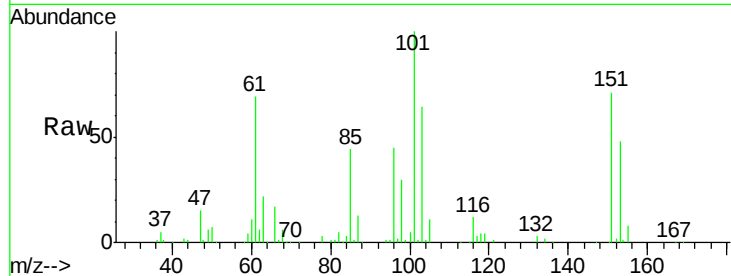
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	87992
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.6	51.8
151	73.7	60.3	90.5

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#10

Methyl Iodide

Concen: 44.849 ug/l

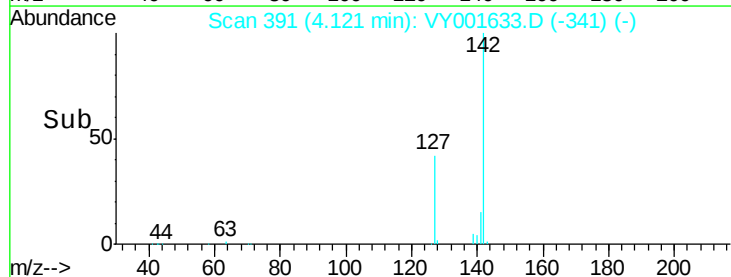
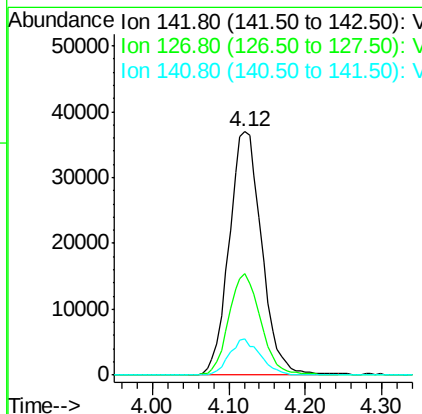
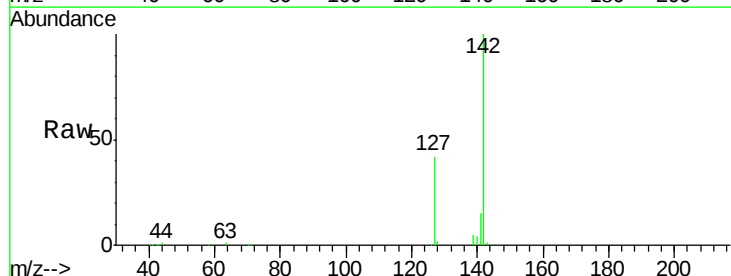
RT: 4.12 min Scan# 391

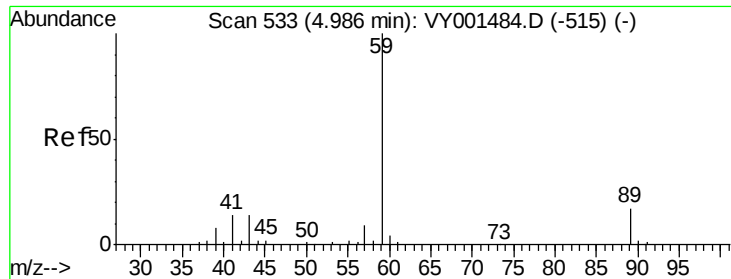
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	142	Resp:	109016
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.3	49.9
141	14.3	11.5	17.3





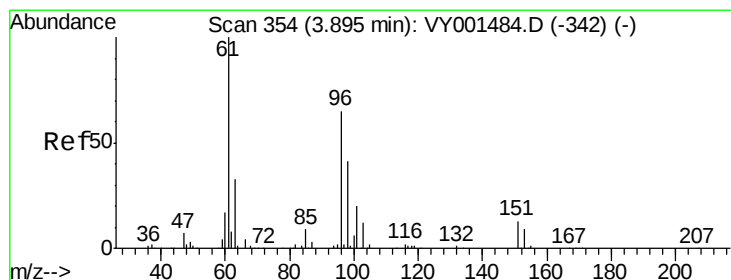
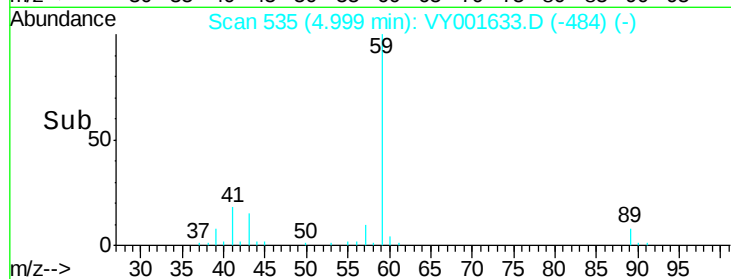
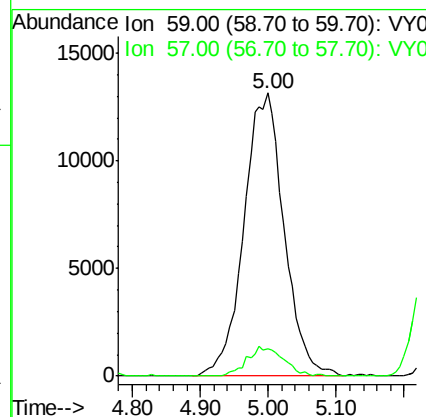
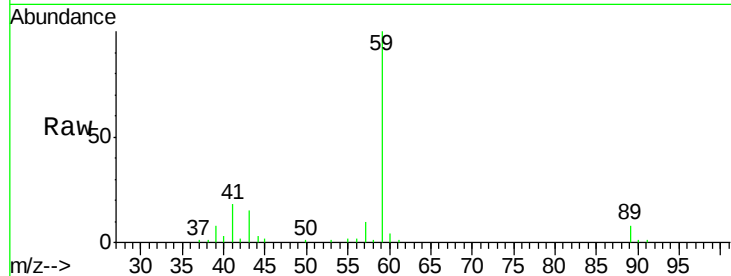
#11
Tert butyl alcohol
Concen: 266.897 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.0	10.6

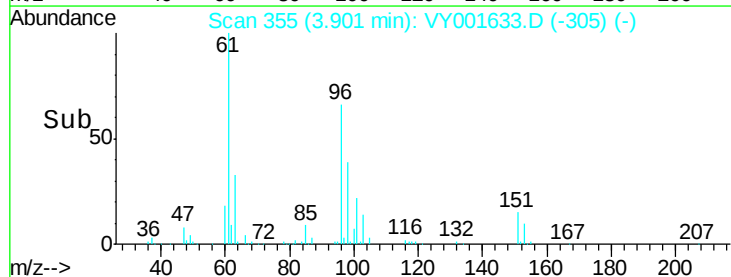
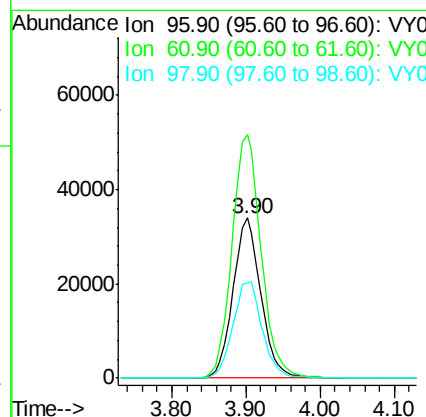
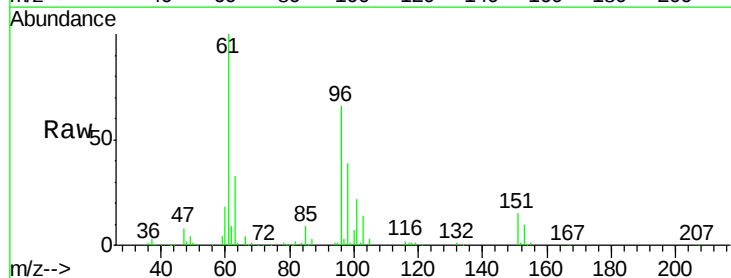
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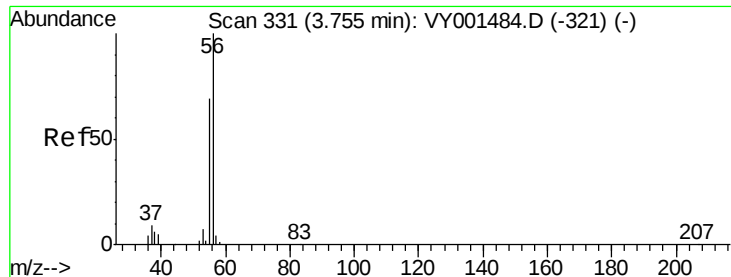
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.935 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	122.3	183.5
98	59.7	49.7	74.5





#13

Acrolein

Concen: 262.549 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45132

Ion Ratio Lower Upper

56 100

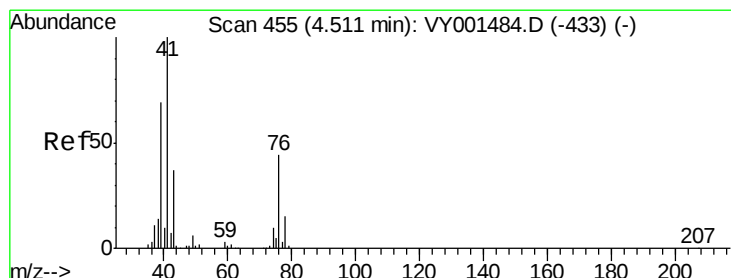
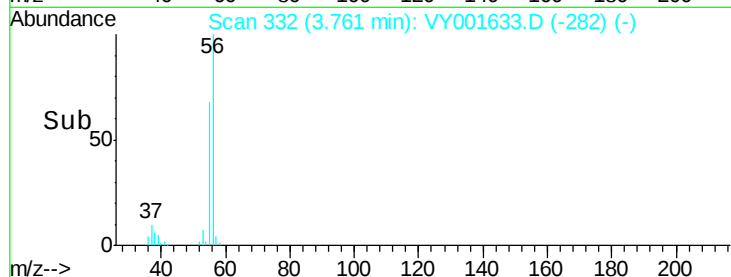
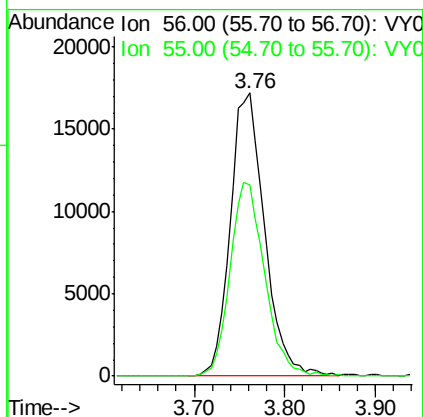
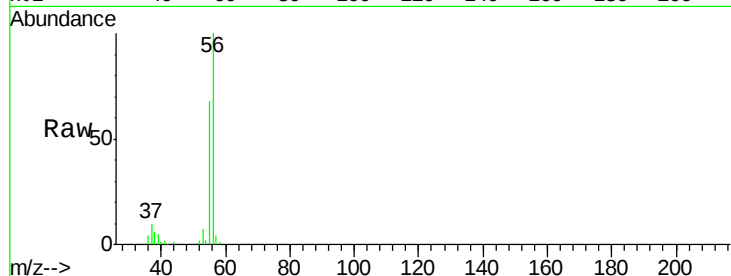
55 69.1 56.2 84.4

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#14

Allyl chloride

Concen: 55.821 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

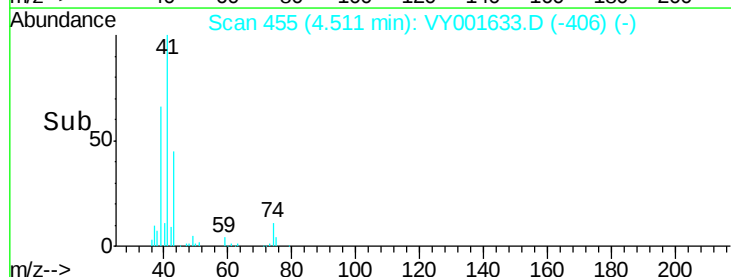
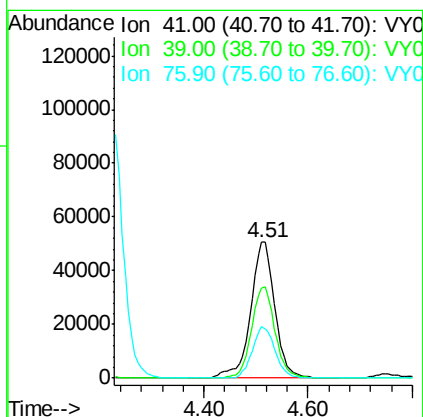
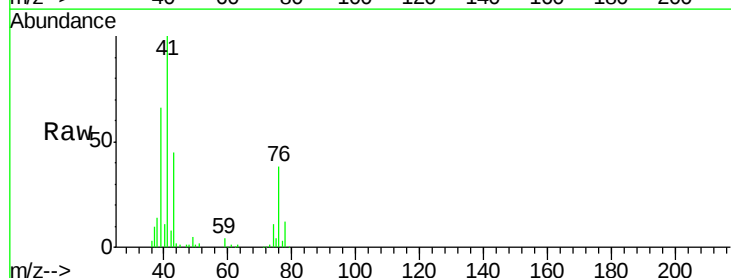
Tgt Ion: 41 Resp: 161877

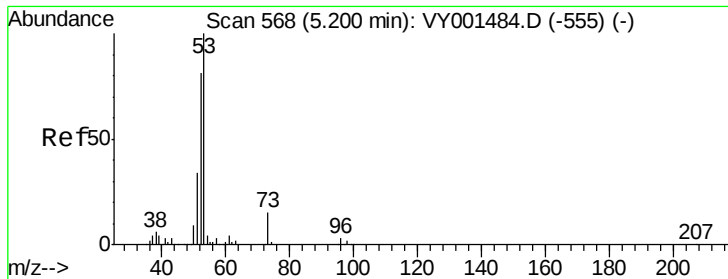
Ion Ratio Lower Upper

41 100

39 64.9 53.0 79.6

76 35.7 32.6 48.8





#15

Acrylonitrile

Concen: 307.393 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

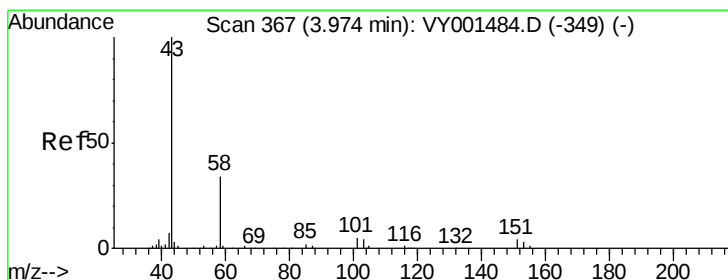
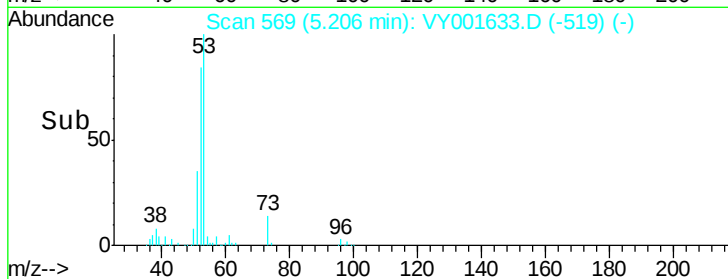
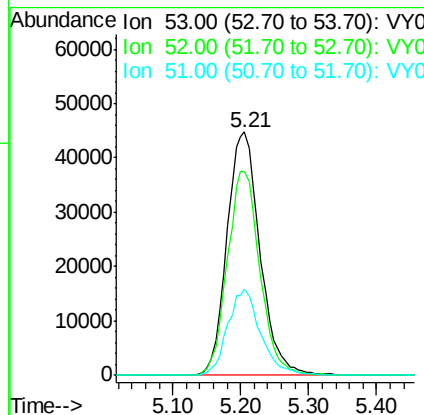
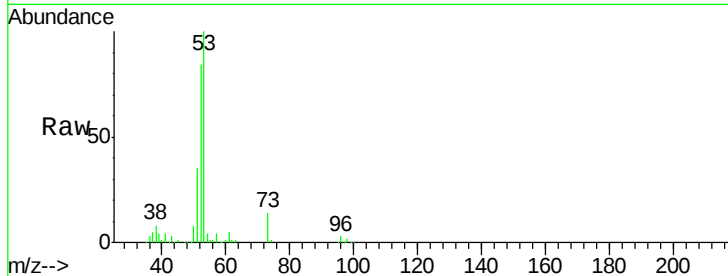
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	150771
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	35.4	29.0	43.4

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#16

Acetone

Concen: 252.204 ug/l

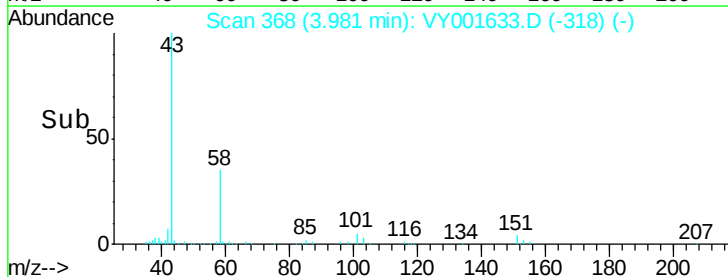
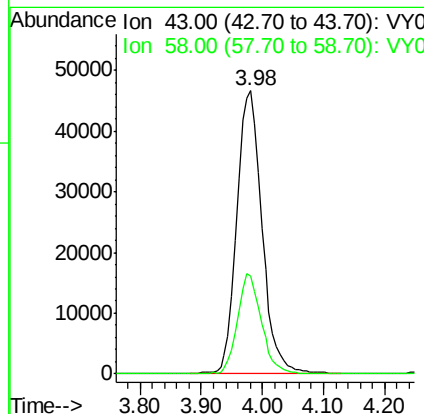
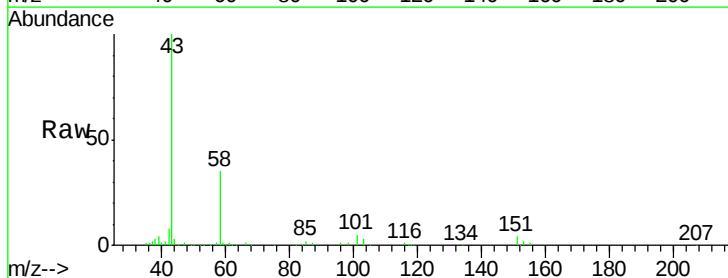
RT: 3.98 min Scan# 368

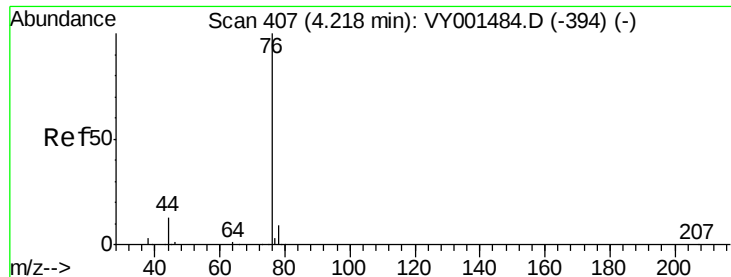
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	43	Resp:	132440
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.5	41.3





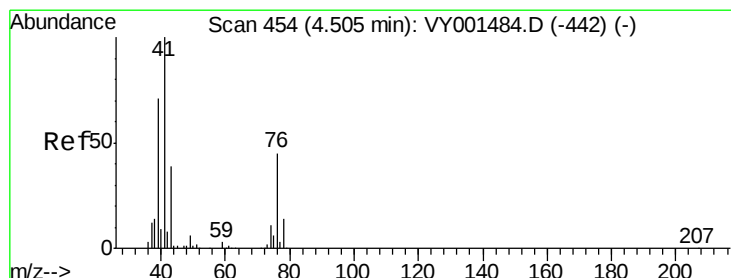
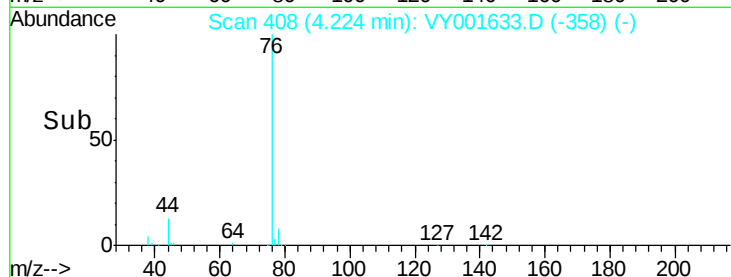
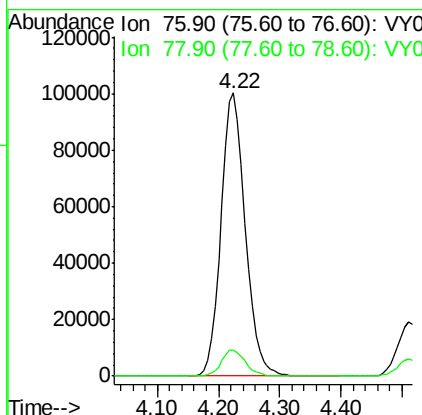
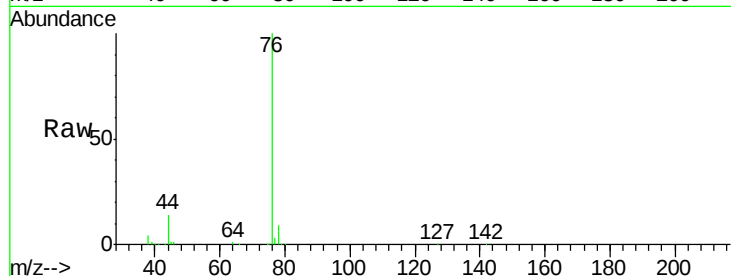
#17
Carbon Disulfide
Concen: 45.557 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.0	7.0	10.6	

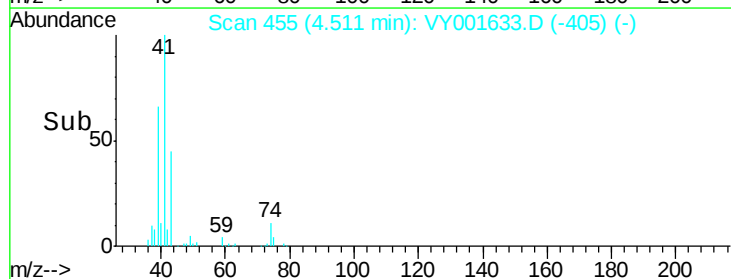
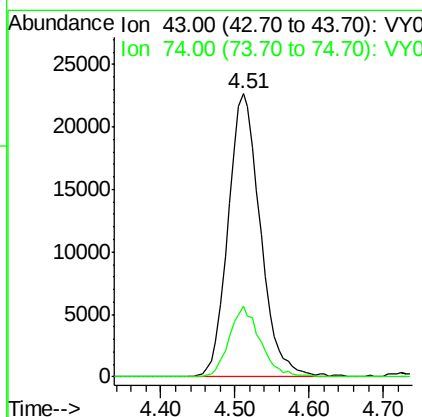
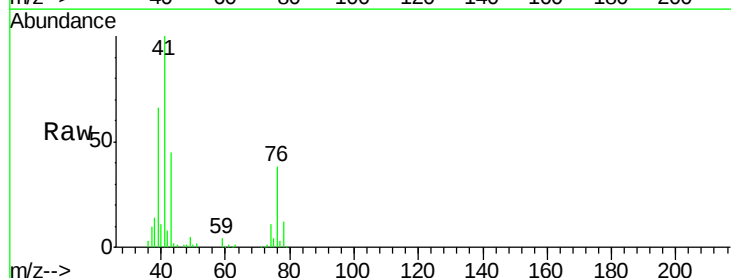
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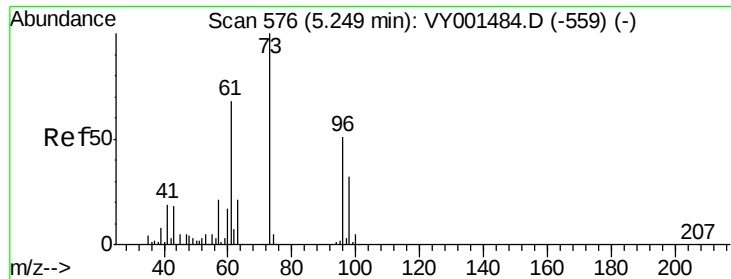
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#18
Methyl Acetate
Concen: 61.372 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	23.9	21.0	31.6	





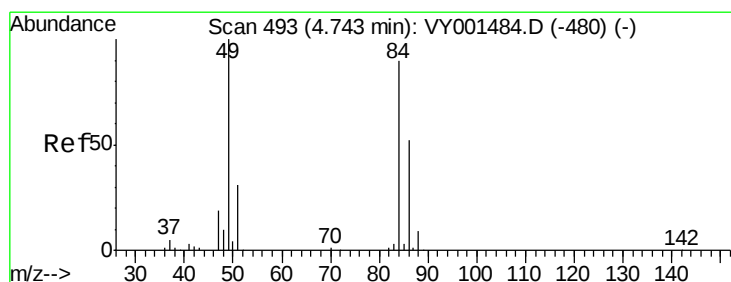
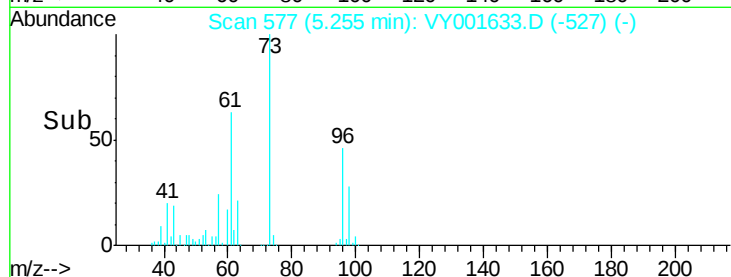
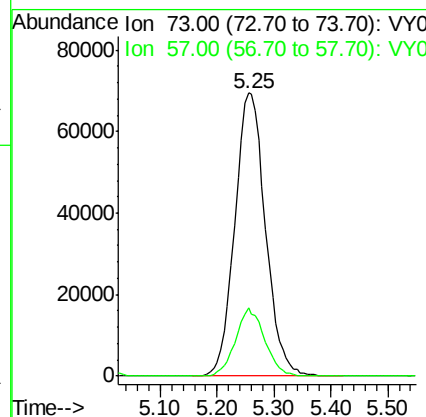
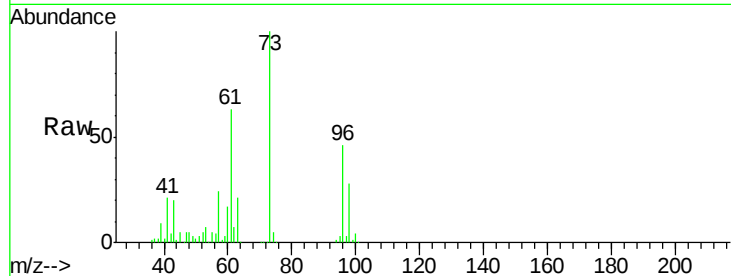
#19
Methvl tert-butvl Ether
Concen: 51.712 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 260696
Ion Ratio Lower Upper
73 100
57 24.0 17.0 25.6

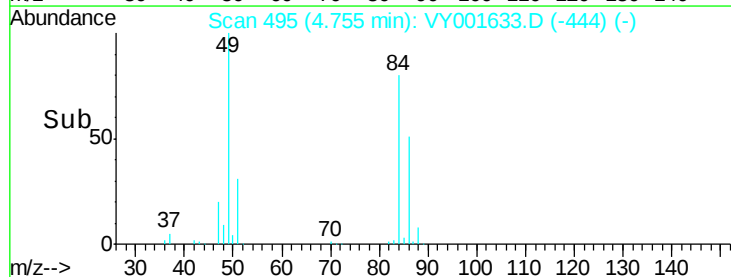
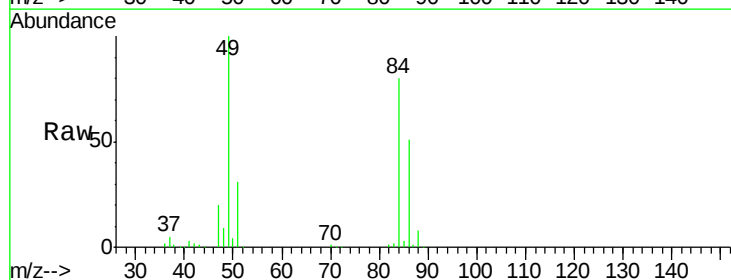
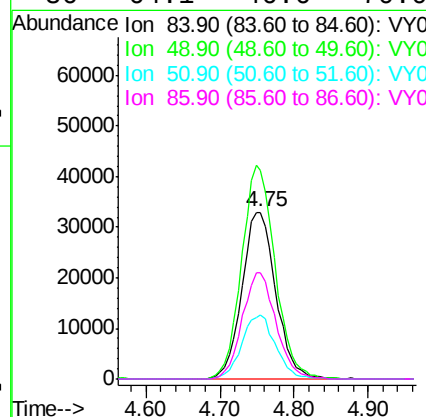
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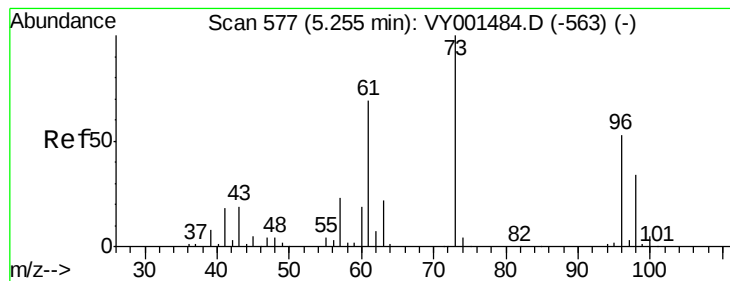
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#20
Methylene Chloride
Concen: 51.170 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion: 84 Resp: 104988
Ion Ratio Lower Upper
84 100
49 125.0 89.0 133.6
51 38.2 27.4 41.2
86 64.1 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 48.473 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

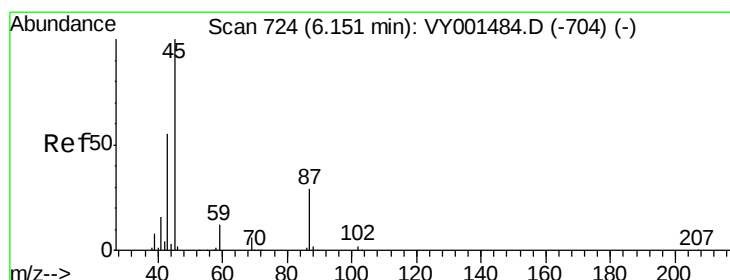
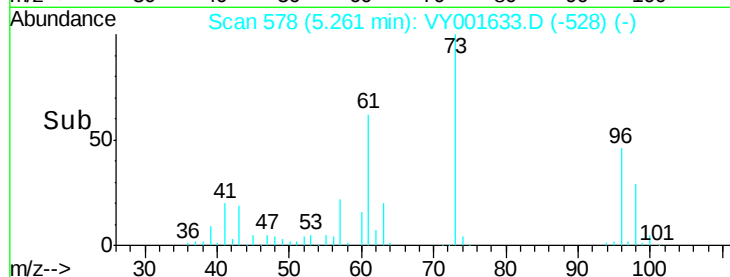
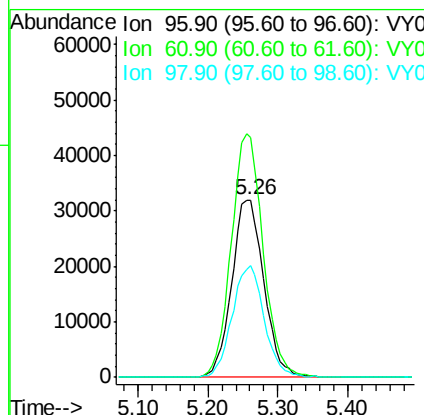
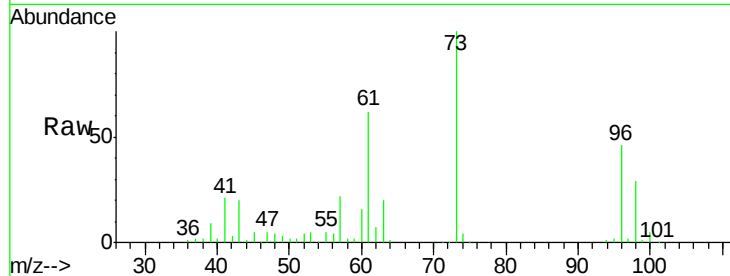
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	102151
Ion	Ratio	Lower	Upper
96	100		
61	134.9	104.2	156.4
98	63.4	51.4	77.0

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#22

Diisopropyl ether

Concen: 59.182 ug/l

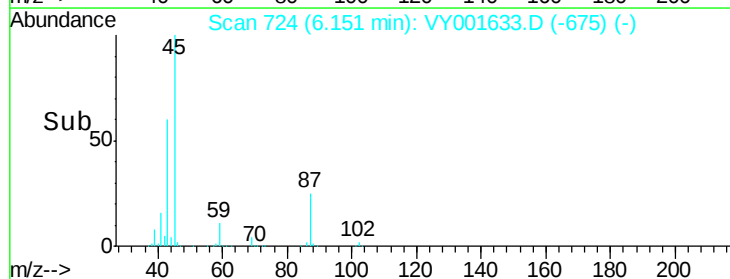
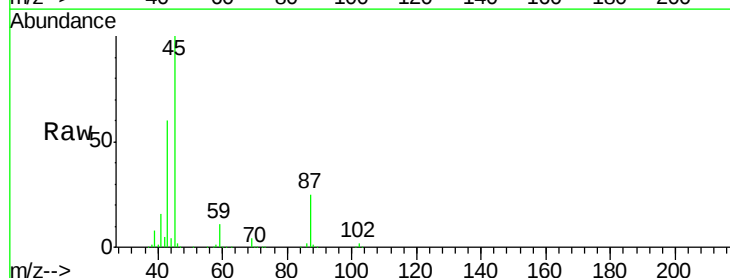
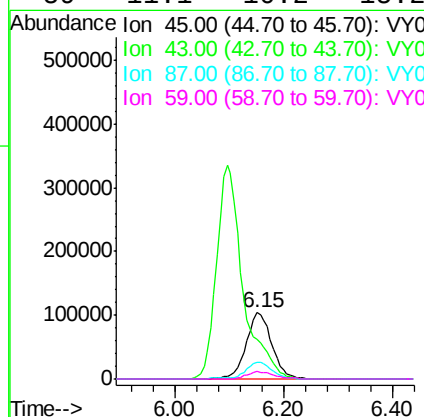
RT: 6.15 min Scan# 724

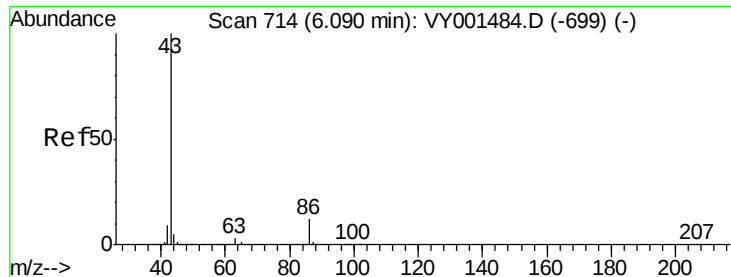
Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	45	Resp:	340022
Ion	Ratio	Lower	Upper
45	100		
43	59.9	44.2	66.4
87	25.3	23.9	35.9
59	11.1	10.2	15.2





#23

Vinyl Acetate

Concen: 308.270 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1127494

Ion Ratio Lower Upper

43 100

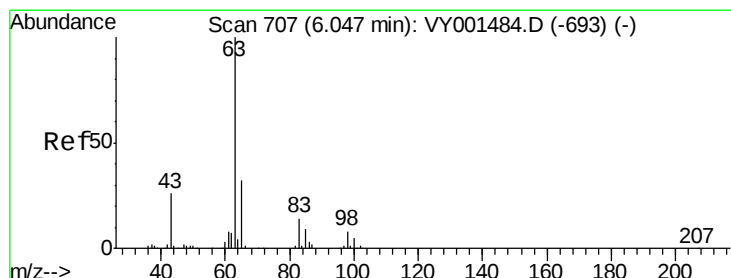
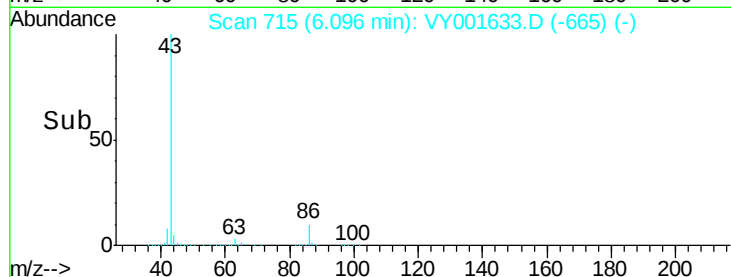
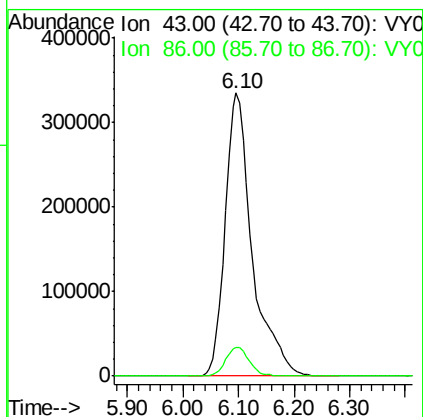
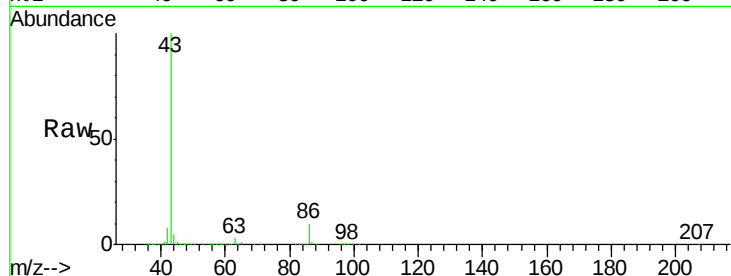
86 10.2 9.8 14.8

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#24

1,1-Dichloroethane

Concen: 52.317 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

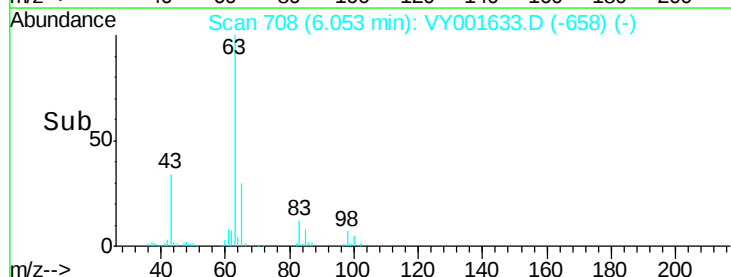
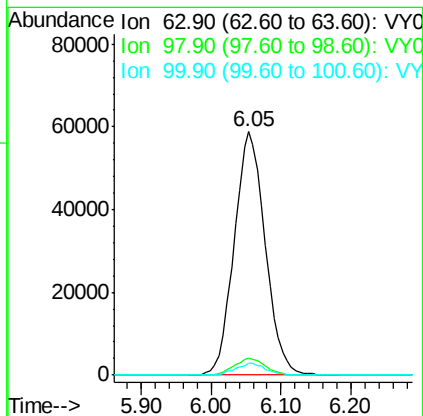
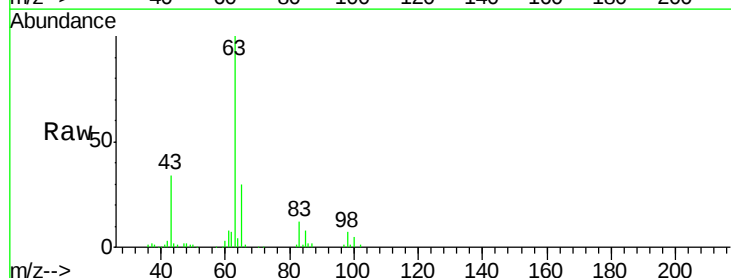
Tgt Ion: 63 Resp: 180798

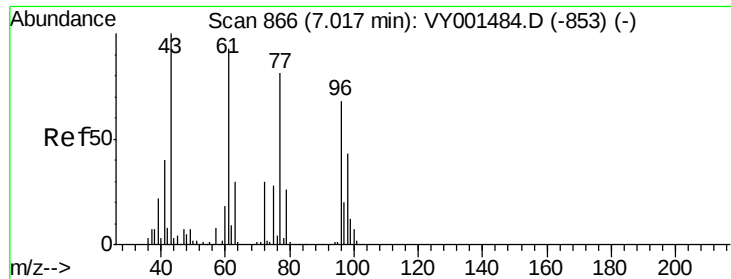
Ion Ratio Lower Upper

63 100

98 7.0 4.0 11.9

100 4.7 2.6 8.0





#25

2-Butanone

Concen: 306.227 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 208625

Ion Ratio Lower Upper

43 100

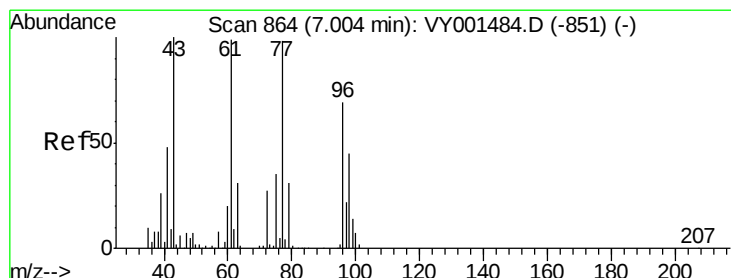
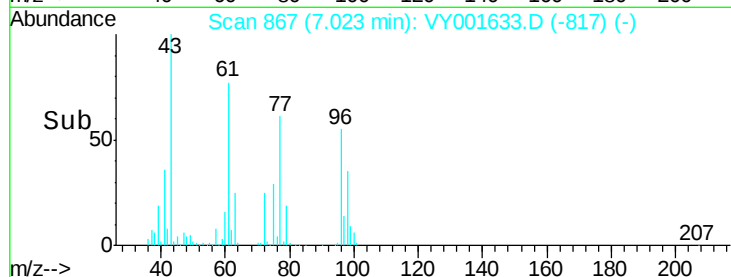
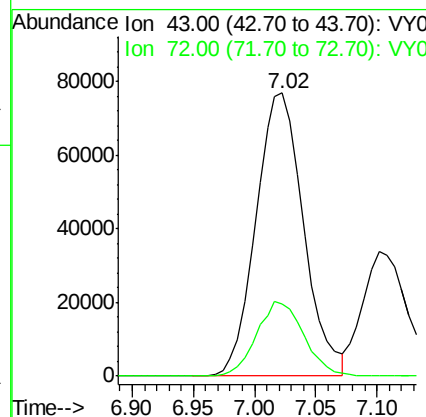
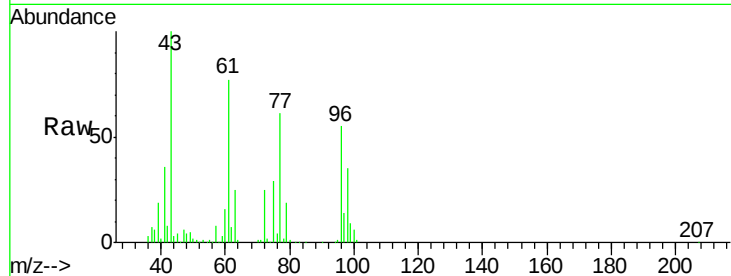
72 25.5 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.987 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001633.D

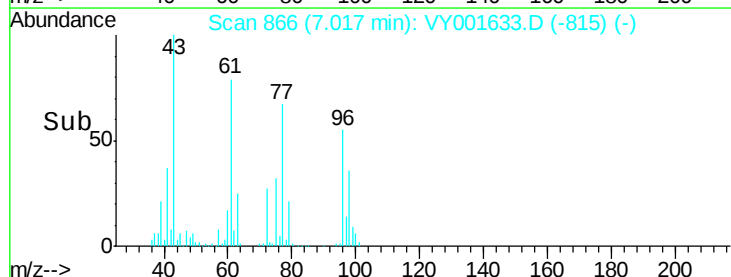
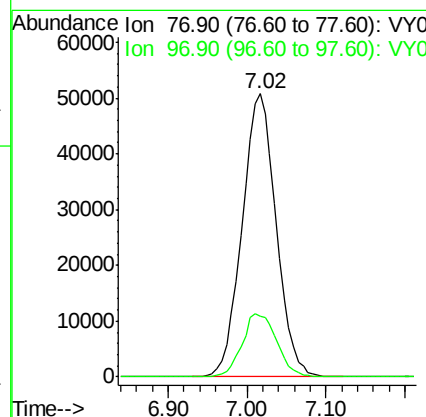
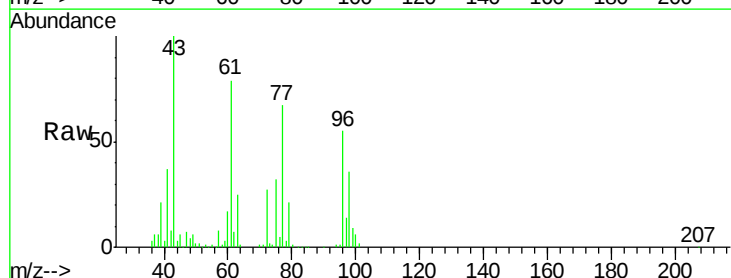
Acq: 13 Feb 2020 17:57

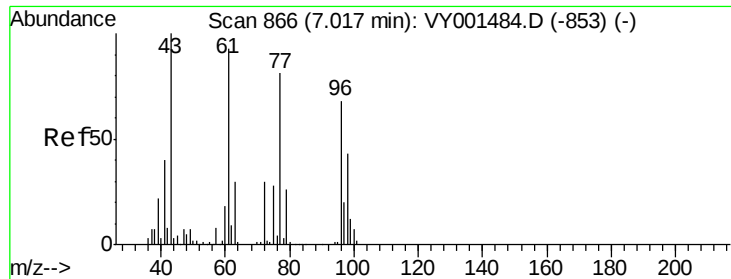
Tgt Ion: 77 Resp: 152099

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

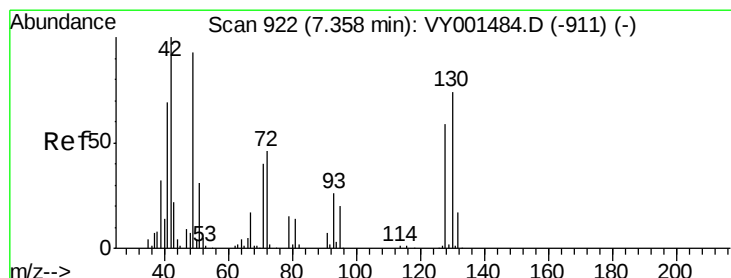
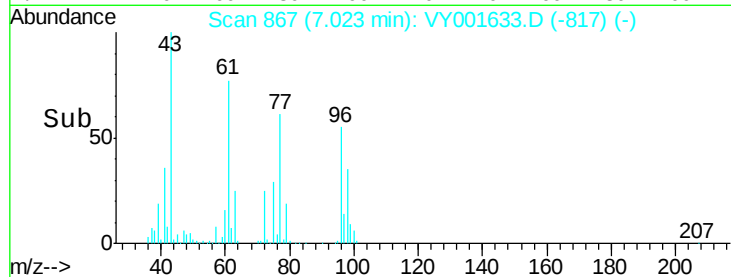
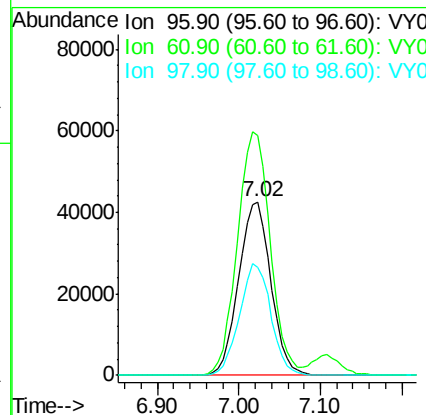
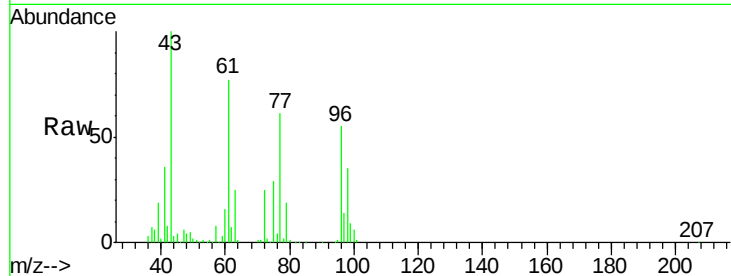
cis-1,2-Dichloroethene
Concen: 50.525 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116296		
61	143.4	0.0	278.8	
98	63.0	0.0	128.8	

Manual Integrations
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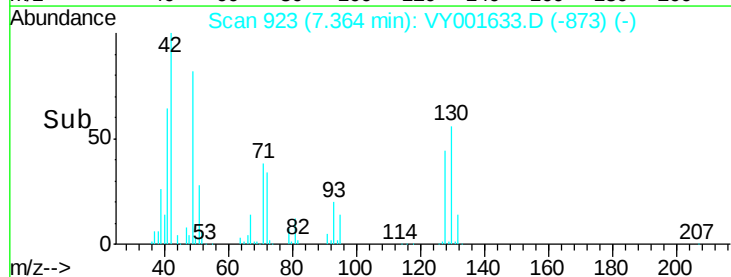
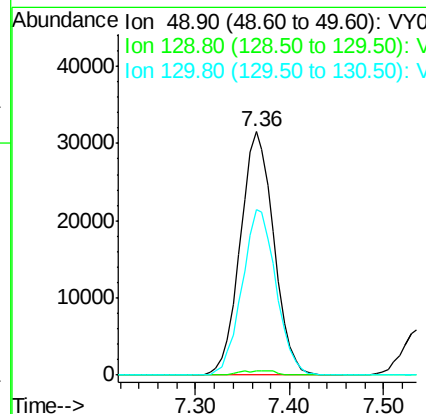
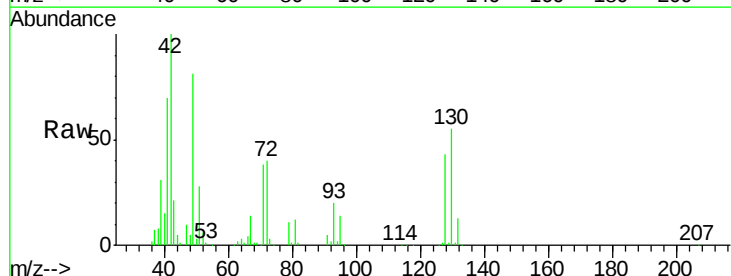
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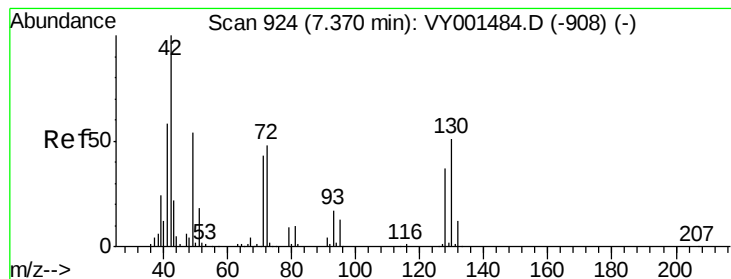


#28

Bromochloromethane
Concen: 66.734 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78564		
129	1.8	0.0	4.8	
130	68.9	65.4	98.2	





#29

Tetrahydrofuran

Concen: 331.531 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

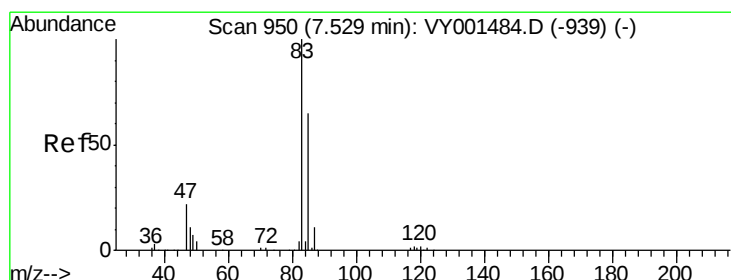
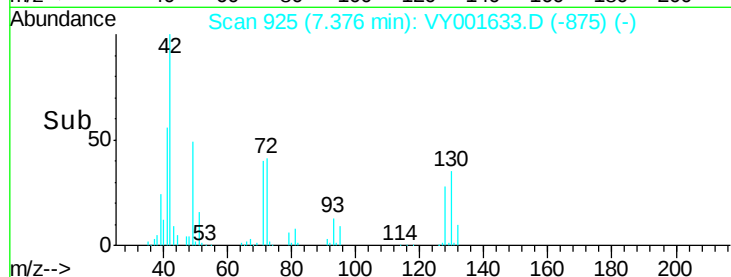
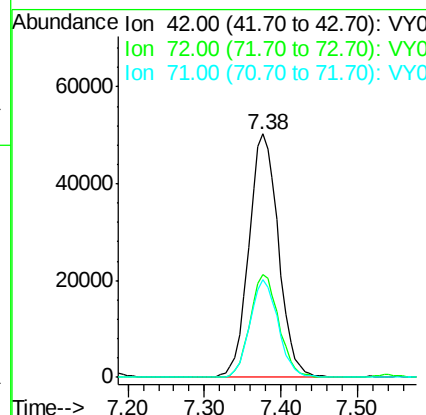
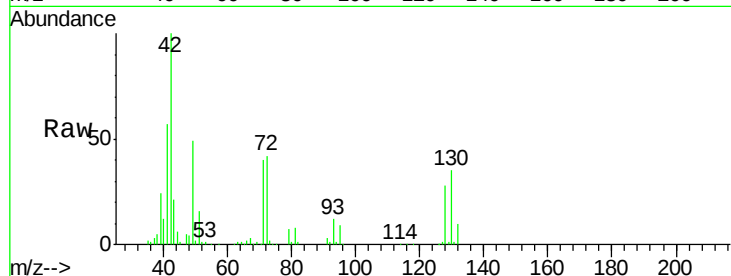
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	135376
Ion	Ratio	Lower	Upper
42	100		
72	41.2	37.8	56.6
71	38.3	34.8	52.2

Manual Integrations
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#30

Chloroform

Concen: 49.821 ug/l

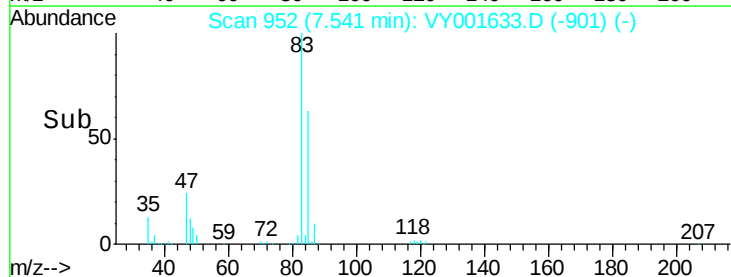
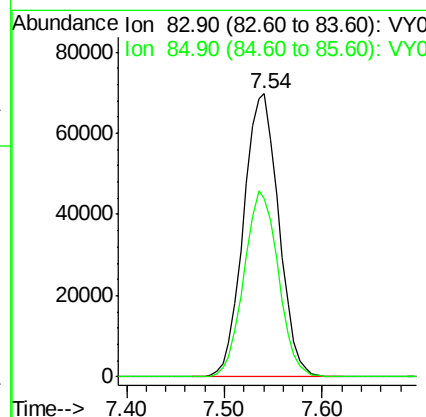
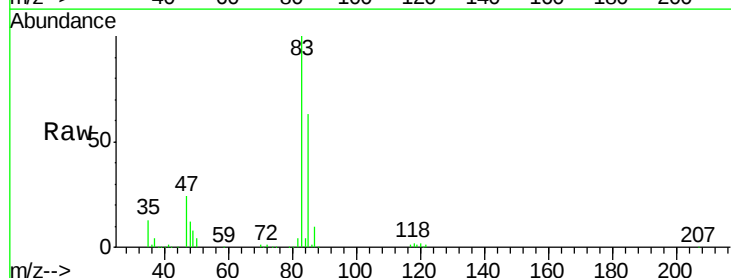
RT: 7.54 min Scan# 952

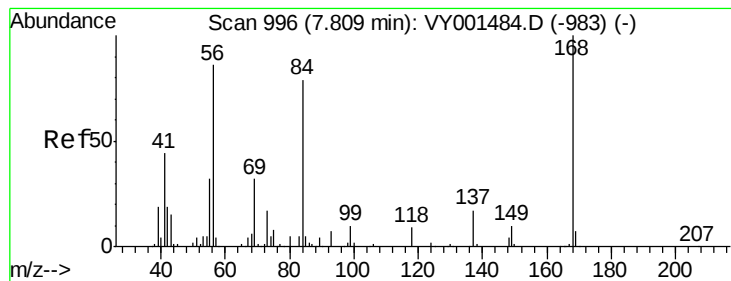
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	83	Resp:	174401
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.4	78.6





#31

Cyclohexane

Concen: 49.163 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

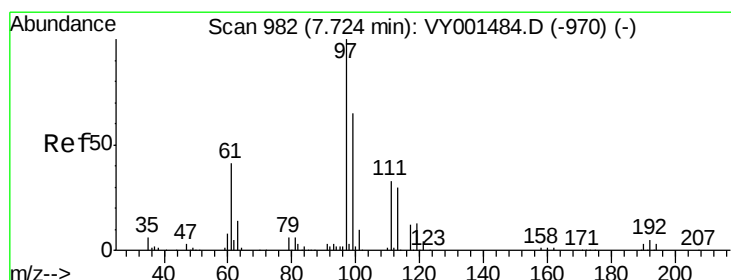
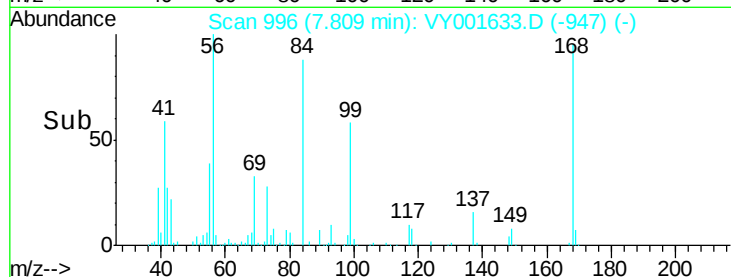
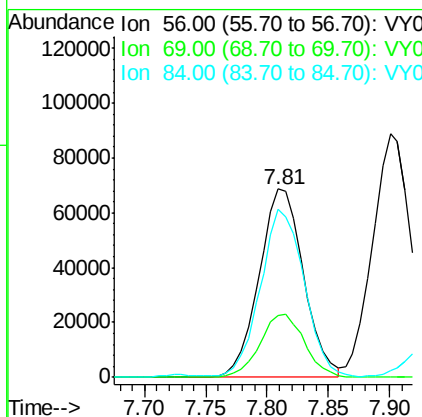
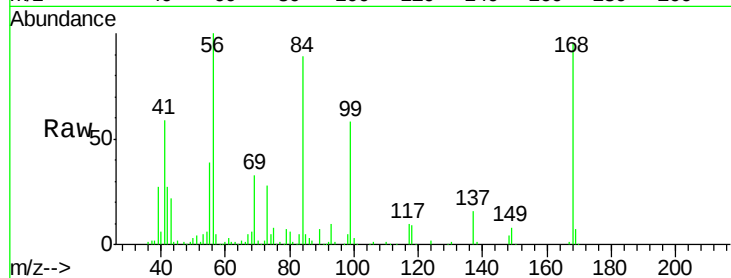
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	173793
Ion Ratio	Lower	Upper	
56	100		
69	32.9	29.6	44.4
84	87.8	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.280 ug/l

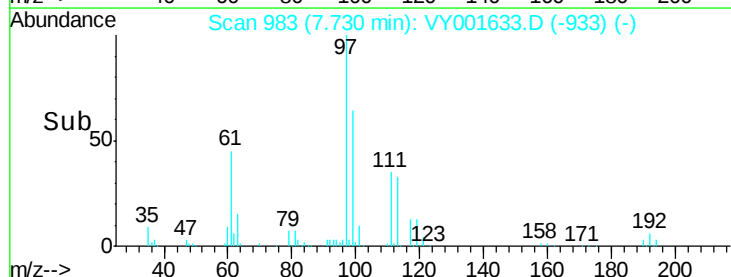
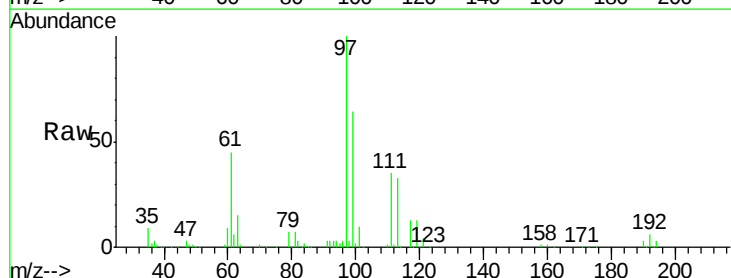
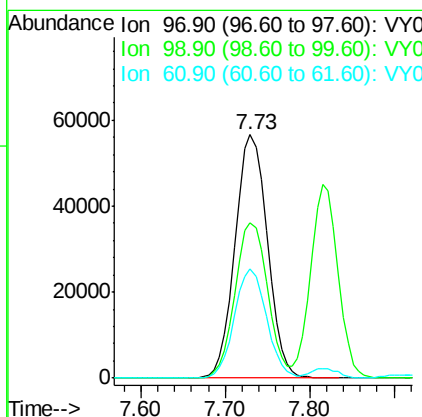
RT: 7.73 min Scan# 983

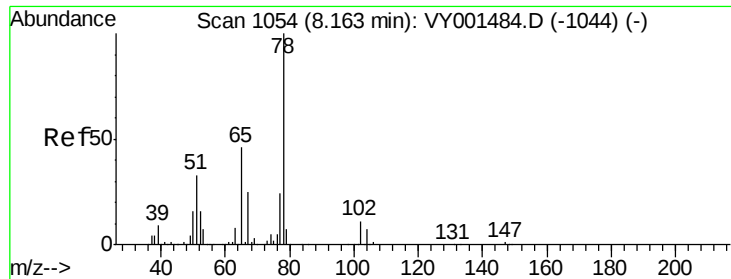
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	97	Resp:	146881
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.8
61	44.6	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 53.064 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 96334

Ion Ratio Lower Upper

65 100

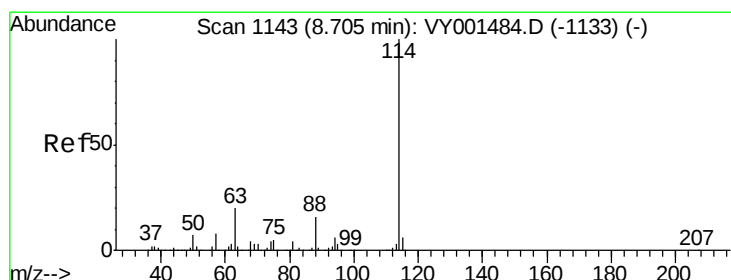
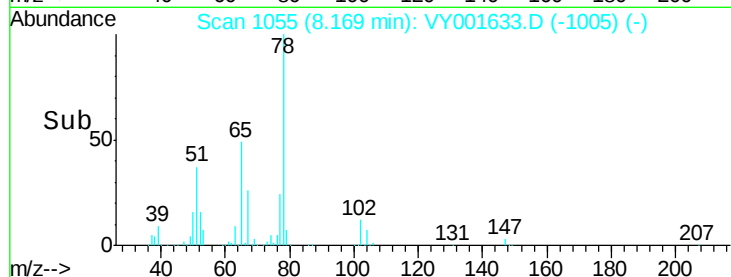
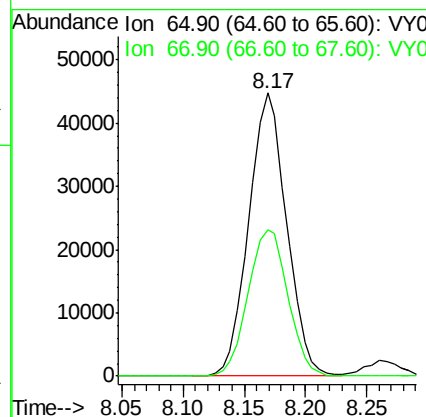
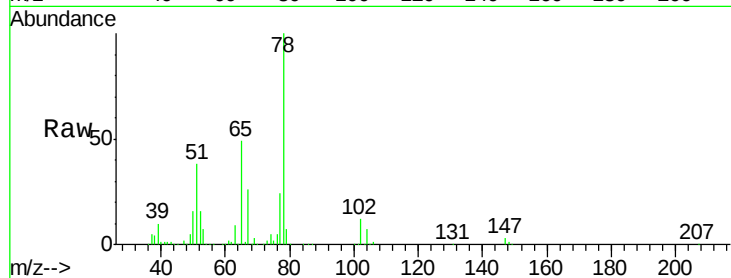
67 54.6 0.0 108.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

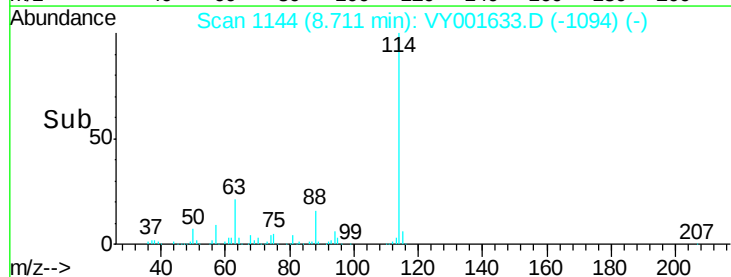
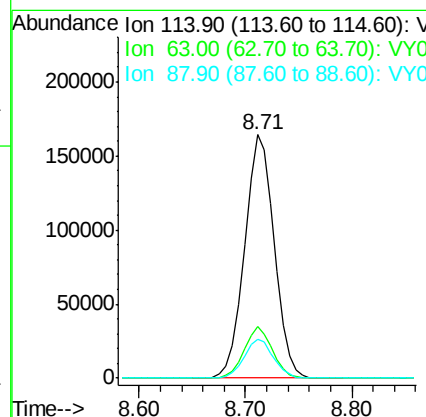
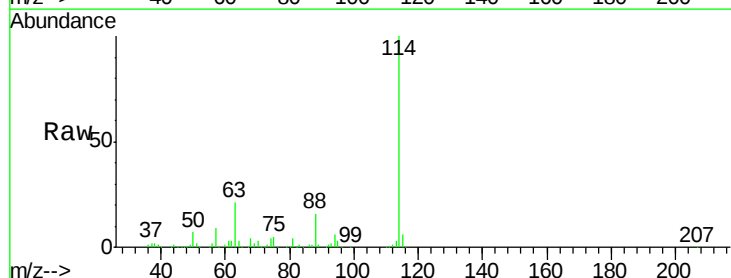
Tgt Ion: 114 Resp: 319904

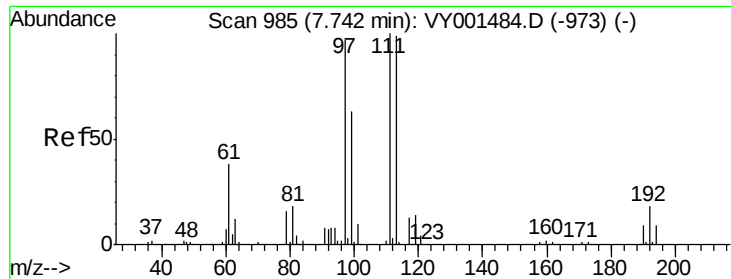
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

88 15.9 0.0 32.6





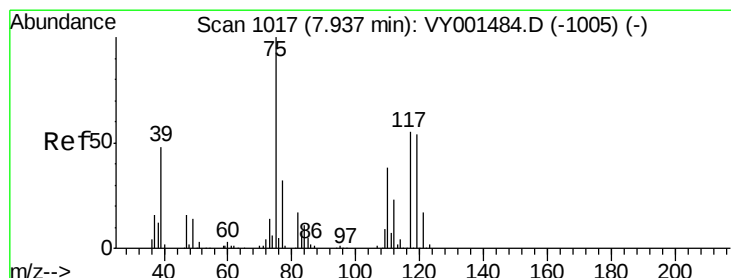
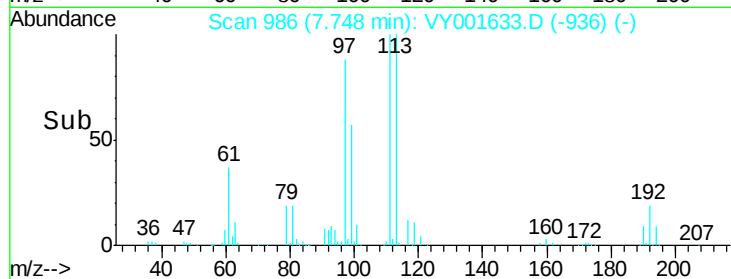
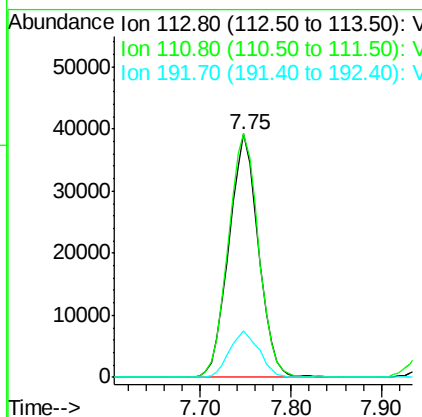
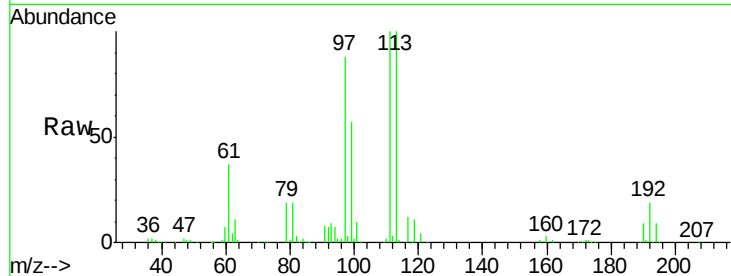
#35
Dibromofluoromethane
Concen: 47.958 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88469		
111	103.3	82.9	124.3	
192	19.1	14.6	22.0	

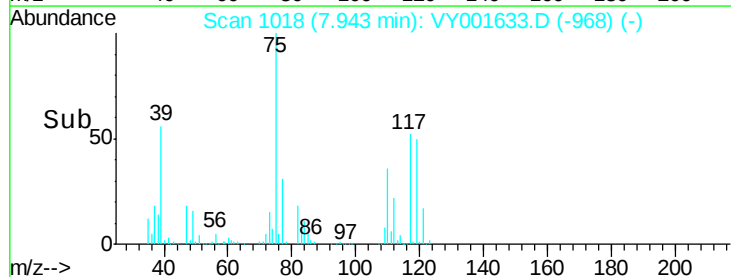
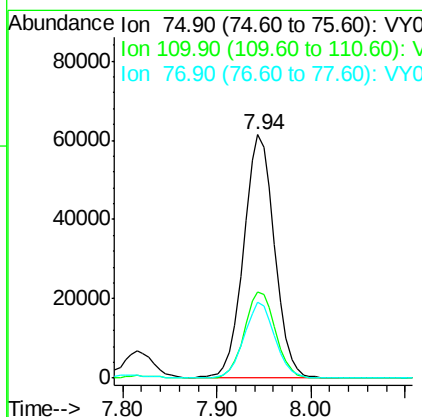
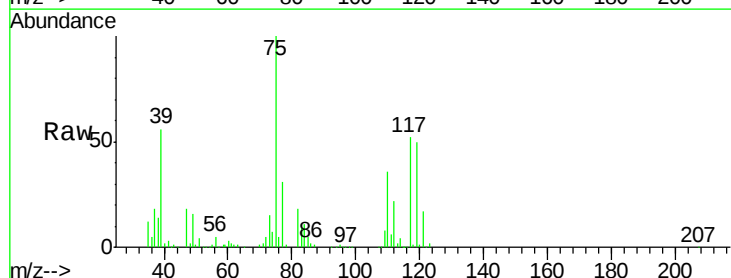
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 48.089 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140734		
110	35.7	18.2	54.6	
77	31.1	25.0	37.4	





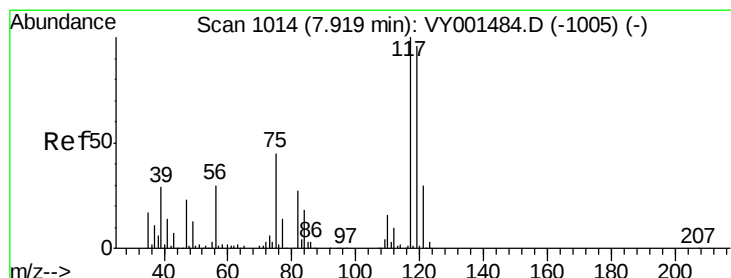
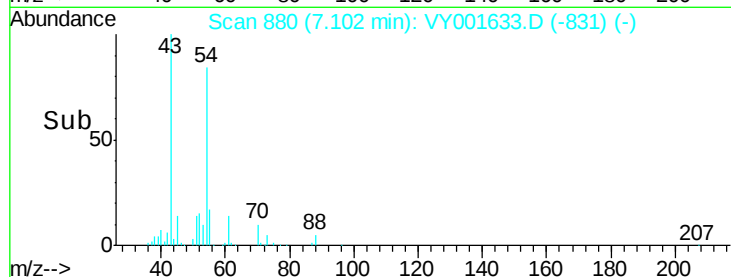
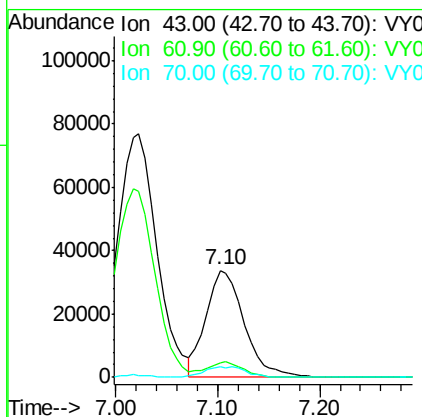
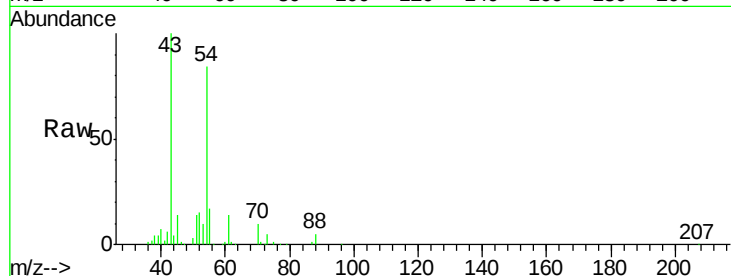
#37
Ethyl Acetate
Concen: 62.028 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	10.8	10.2	15.4

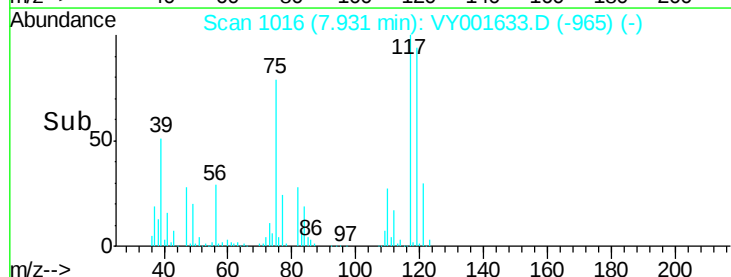
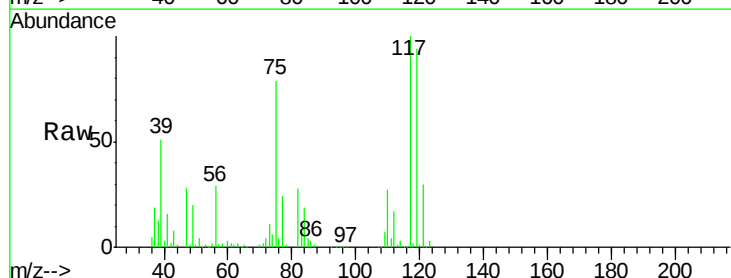
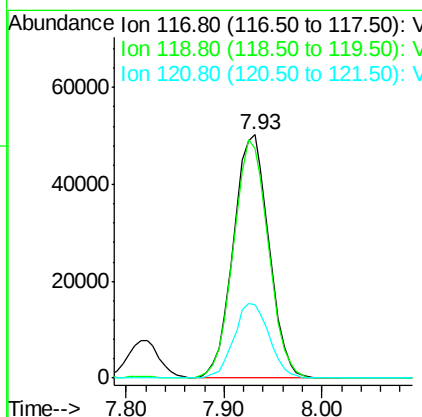
Manual Integrations
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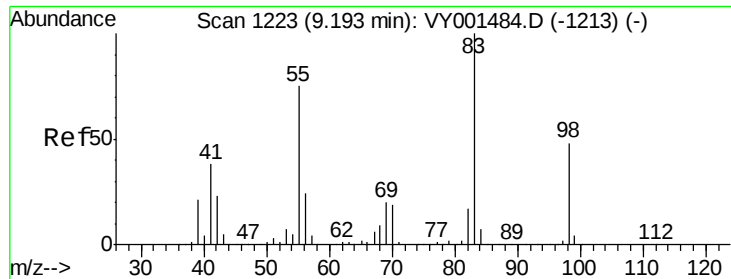
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#38
Carbon Tetrachloride
Concen: 44.749 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.4	114.6
121	30.2	24.2	36.4





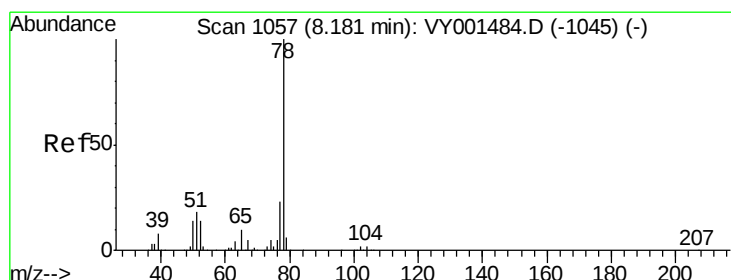
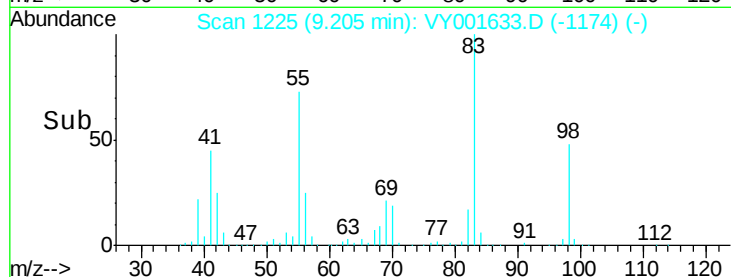
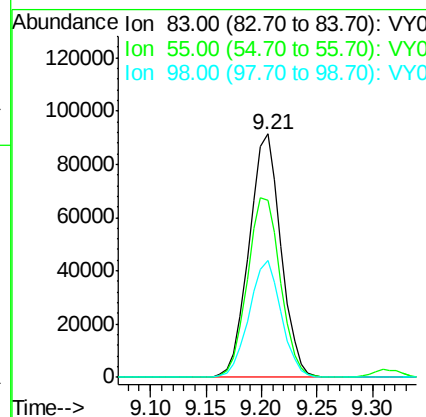
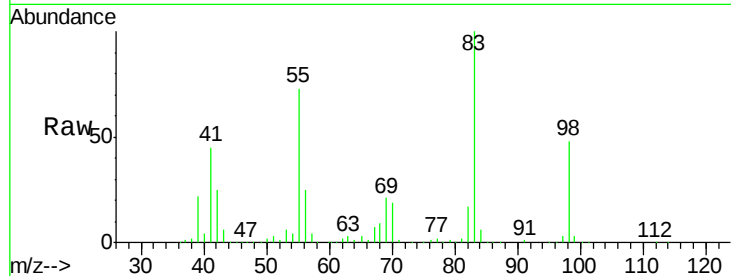
#39
Methvlcvclohexane
Concen: 47.158 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	181719		
55	72.8	59.8	89.6	
98	47.9	38.6	57.8	

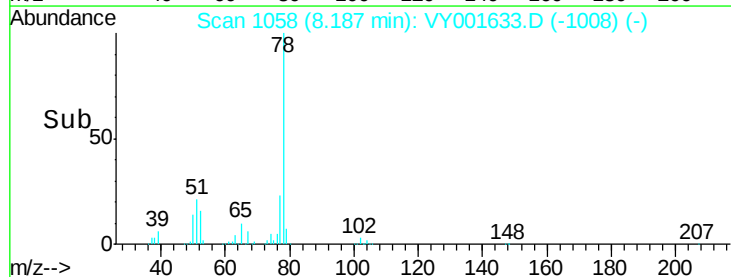
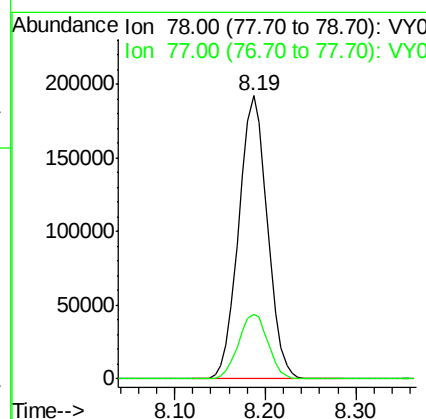
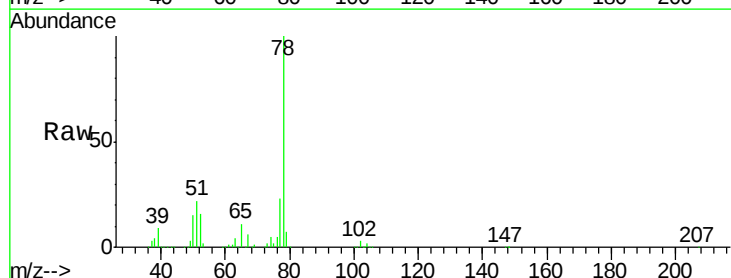
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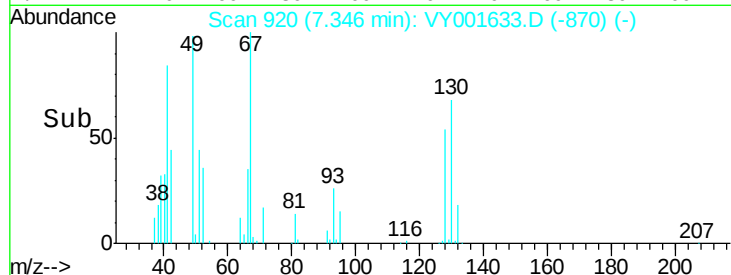
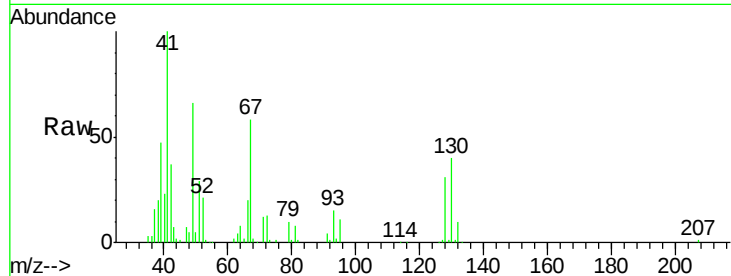
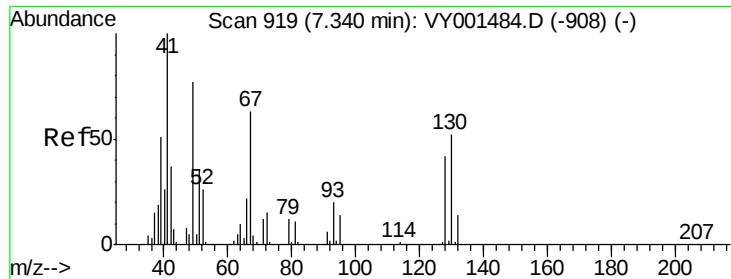
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#40
Benzene
Concen: 50.386 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	420591		
77	22.7	18.5	27.7	





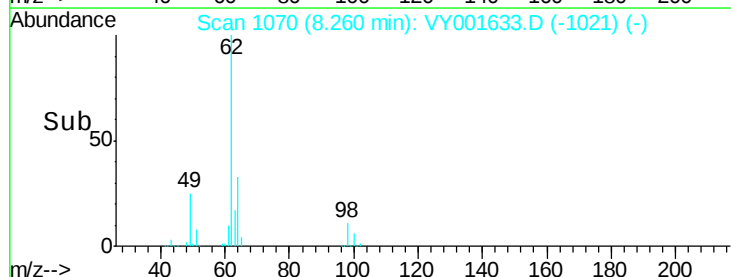
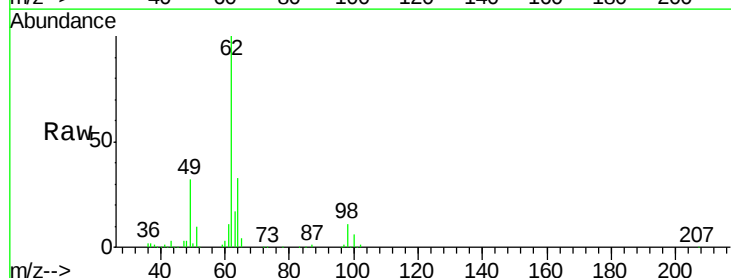
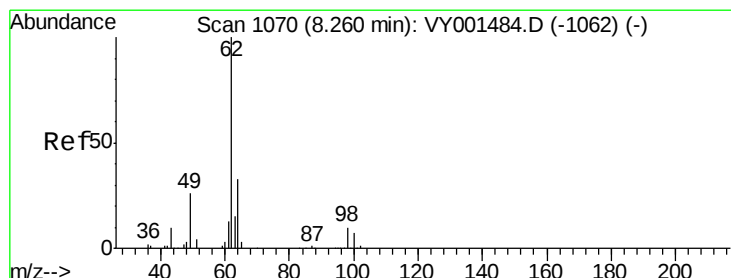
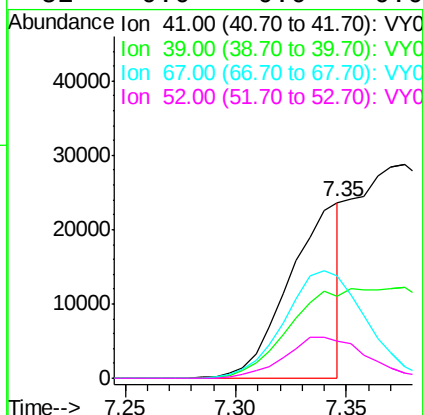
#41
Methacrylonitrile
Concen: 58.357 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tot Ion	41	Resp:	38317
Ion	Ratio	Lower	Upper
41	100		
39	145.1	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

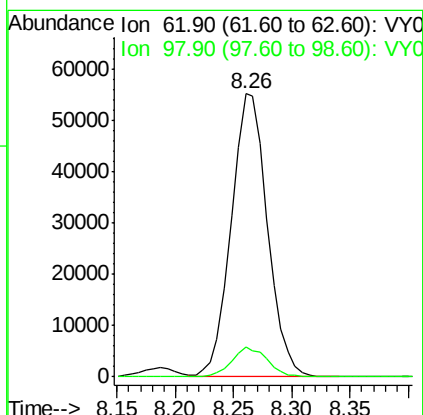
Manual Integrations
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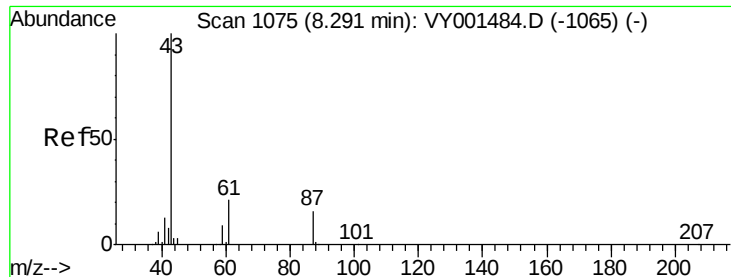
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#42
1,2-Dichloroethane
Concen: 51.439 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	62	Resp:	119624
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 60.948 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

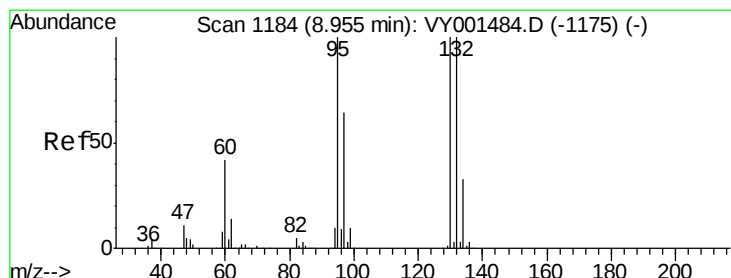
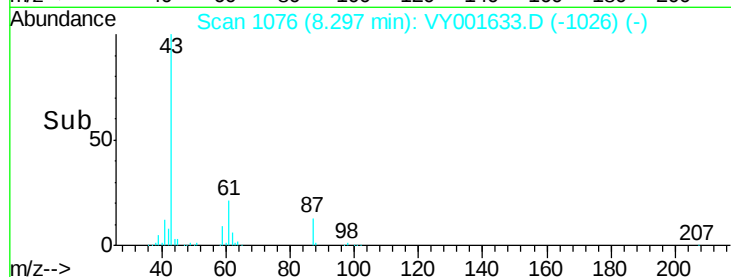
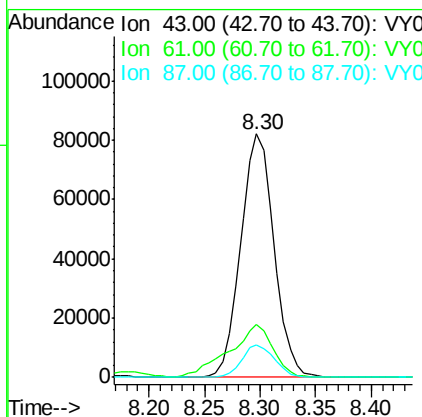
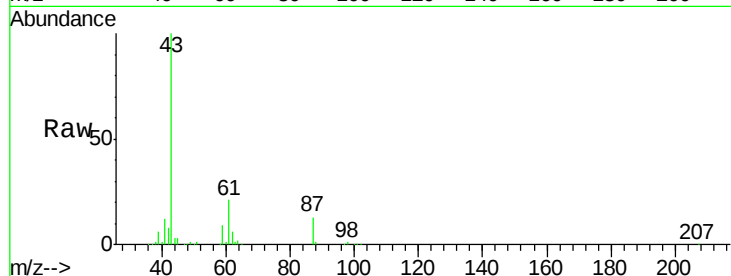
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	170960
Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.1	37.7
87	13.1	12.6	19.0

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#44

Trichloroethene

Concen: 46.609 ug/l

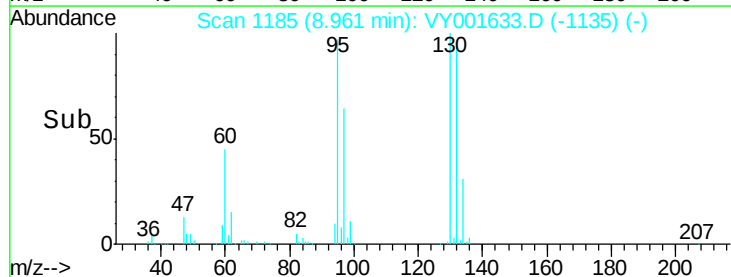
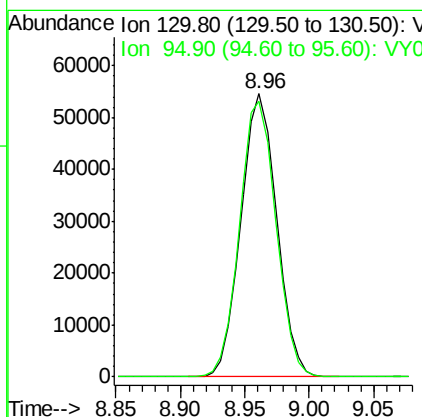
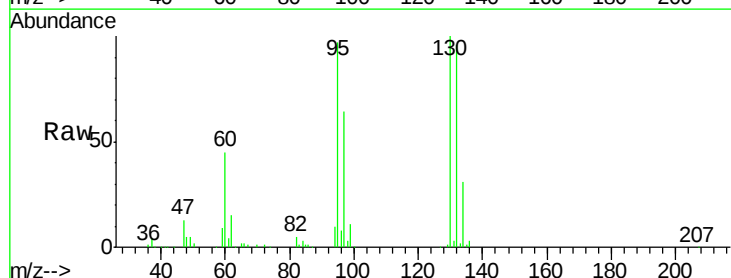
RT: 8.96 min Scan# 1185

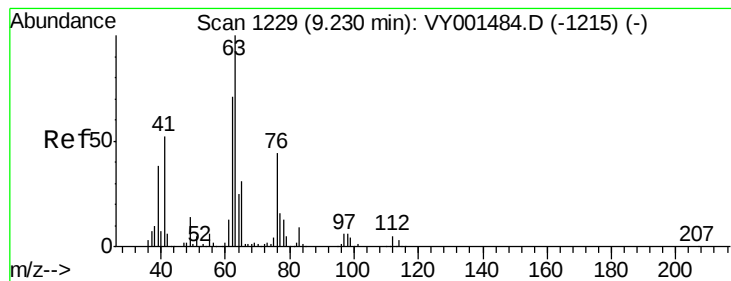
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	130	Resp:	104871
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	199.2





#45

1,2-Dichloropropane

Concen: 53.994 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 108835

Ion Ratio Lower Upper

63 100

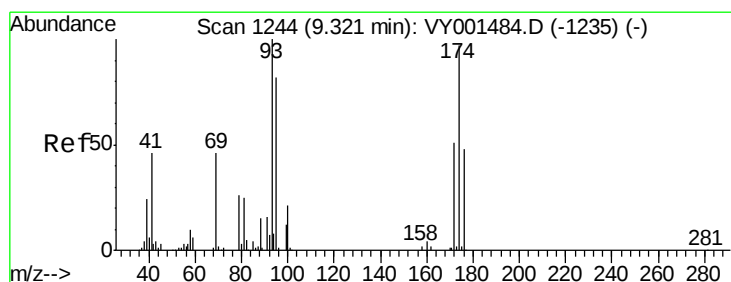
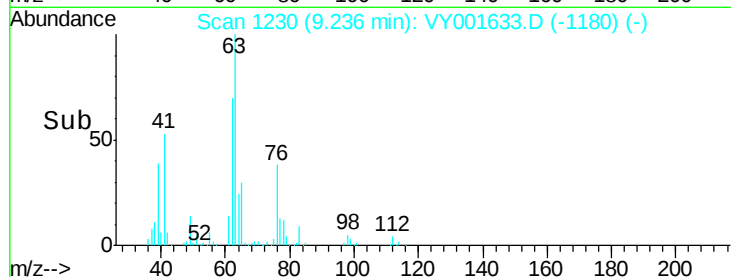
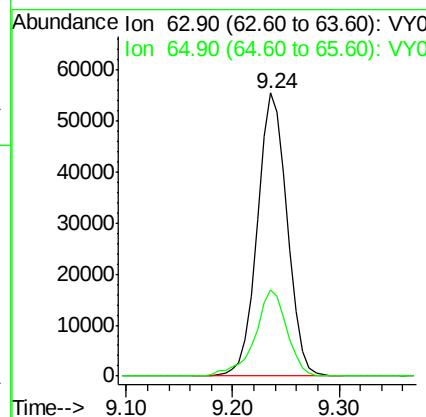
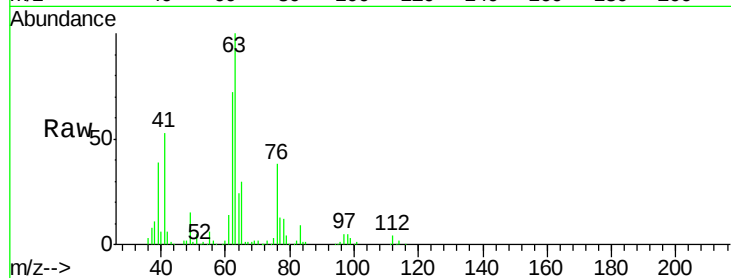
65 30.4 25.0 37.4

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#46

Dibromomethane

Concen: 50.942 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

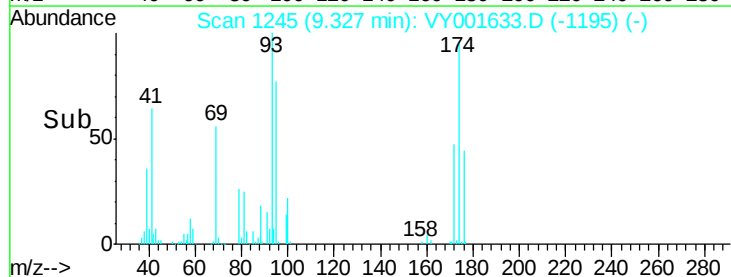
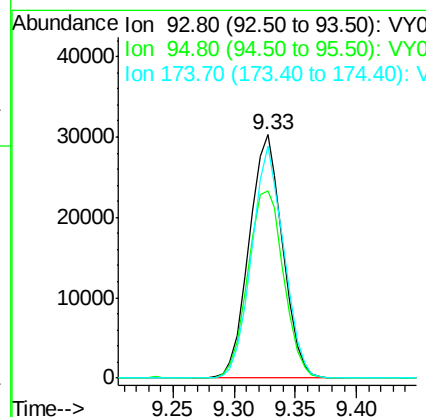
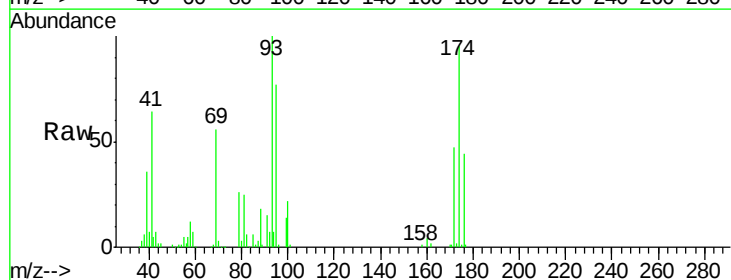
Tgt Ion: 93 Resp: 57659

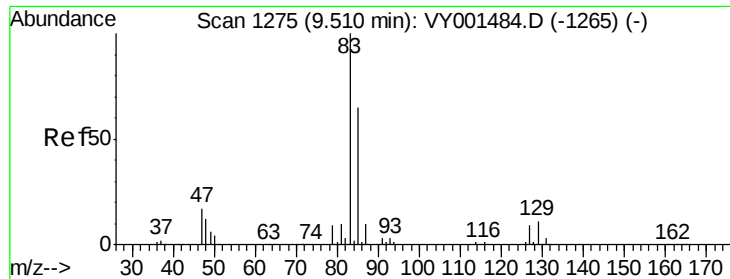
Ion Ratio Lower Upper

93 100

95 82.1 66.6 99.8

174 91.4 75.4 113.2





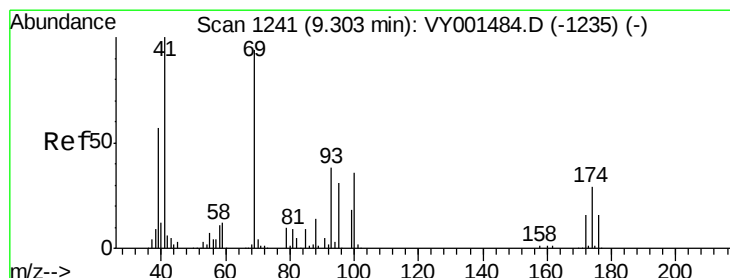
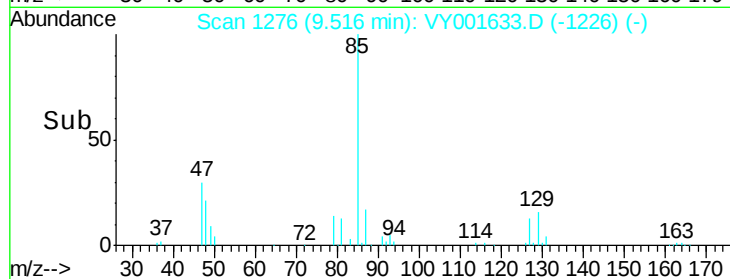
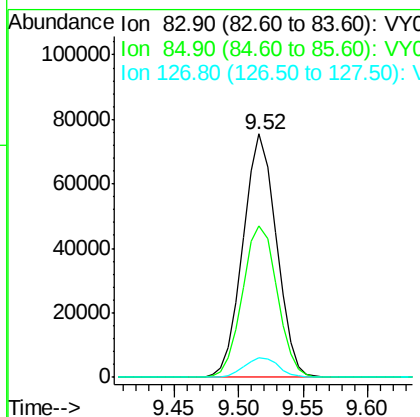
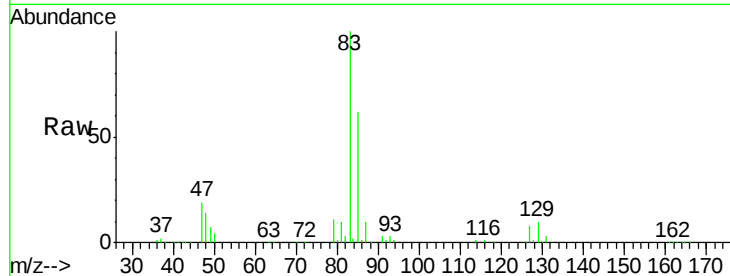
#47
Bromodichloromethane
Concen: 49.130 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135490		
85	62.2	51.9	77.9	
127	8.2	6.9	10.3	

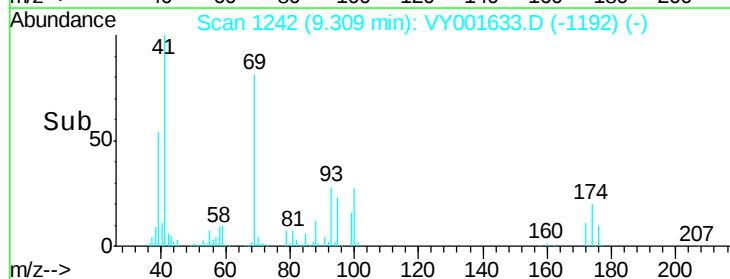
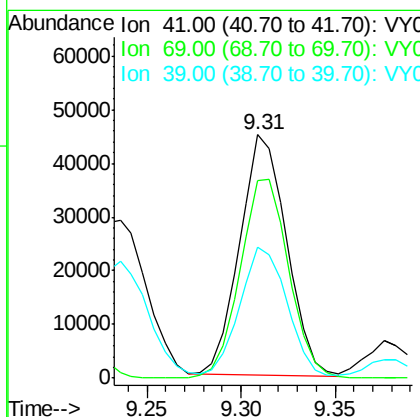
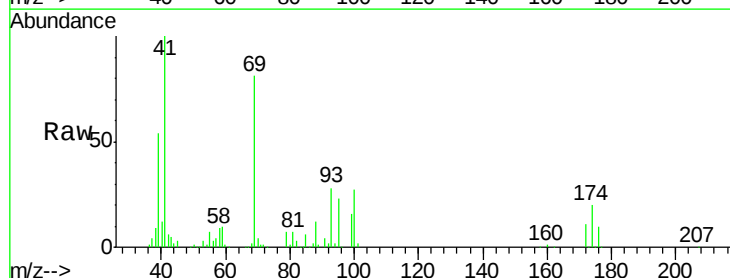
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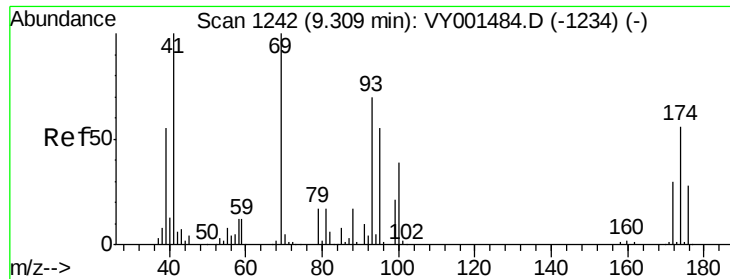
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#48
Methyl methacrylate
Concen: 60.470 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	76985		
69	86.3	76.6	114.8	
39	53.7	45.4	68.0	





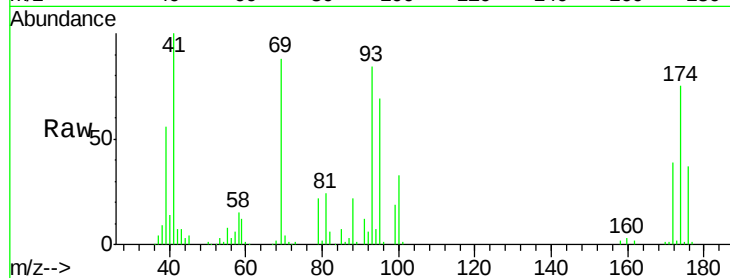
#49
 1,4-Dioxane
 Concen: 1088.314 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	16268
Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.8	37.2
58	76.9	59.3	88.9

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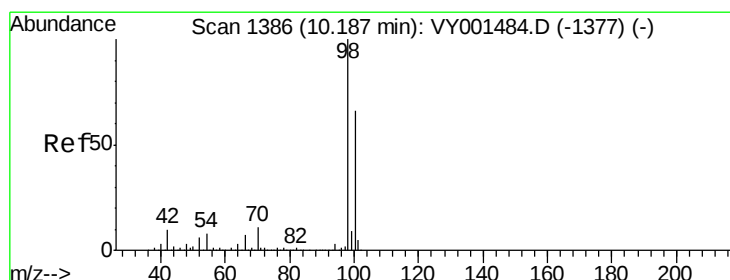
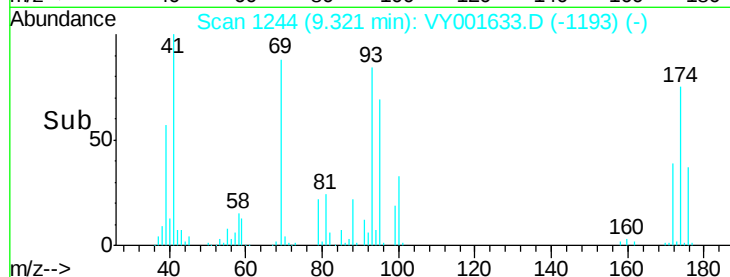
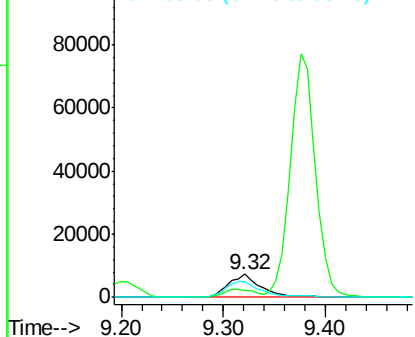


Abundance

Ion 88.00 (87.70 to 88.70): VY001633.D (-1193) (-)

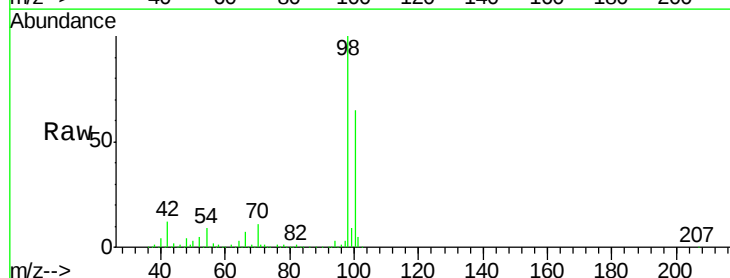
Ion 43.00 (42.70 to 43.70): VY001633.D (-1193) (-)

Ion 58.00 (57.70 to 58.70): VY001633.D (-1193) (-)



#50
 Toluene-d8
 Concen: 51.778 ug/l
 RT: 10.20 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

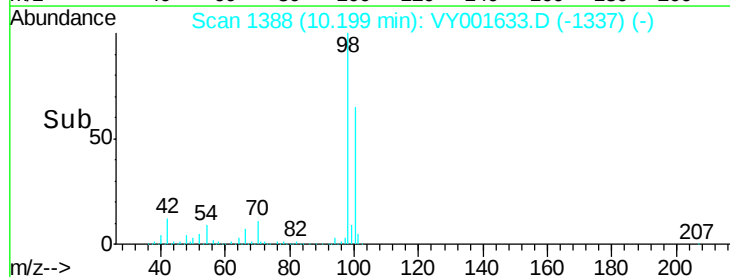
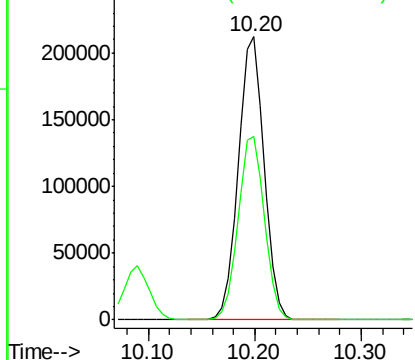
Tgt Ion	98	Resp	361375
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6

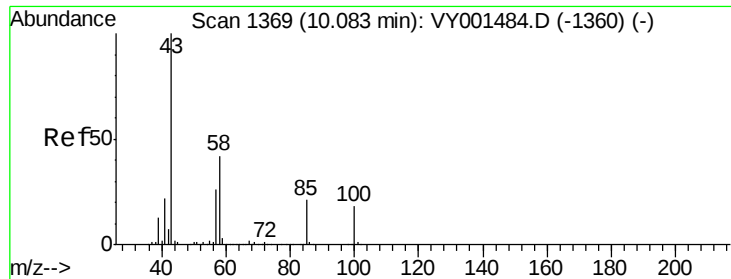


Abundance

Ion 98.00 (97.70 to 98.70): VY001633.D (-1337) (-)

Ion 100.00 (99.70 to 100.70): VY001633.D (-1337) (-)





#51

4-Methyl-2-Pentanone

Concen: 323.789 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 447280

Ion Ratio Lower Upper

43 100

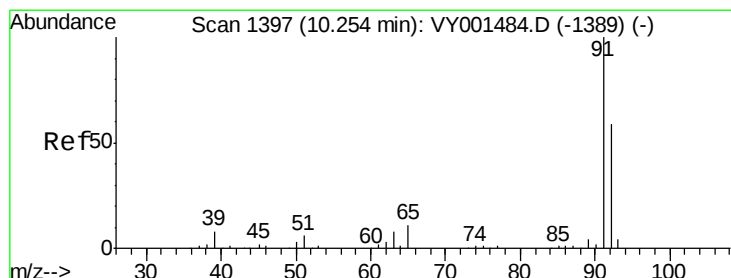
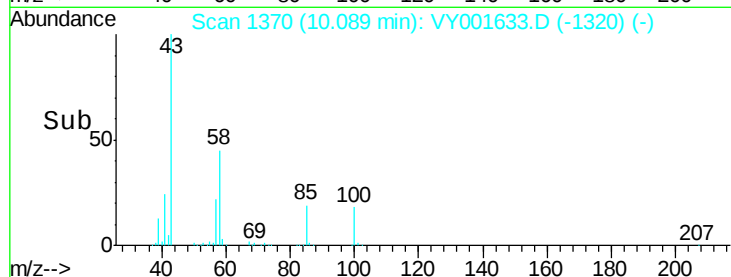
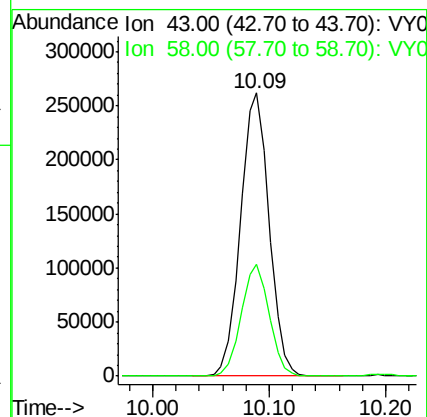
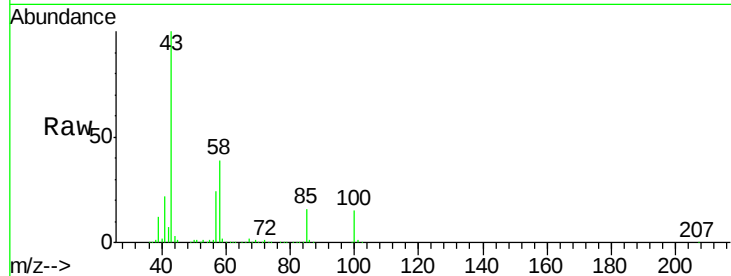
58 38.8 33.9 50.9

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#52

Toluene

Concen: 49.684 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001633.D

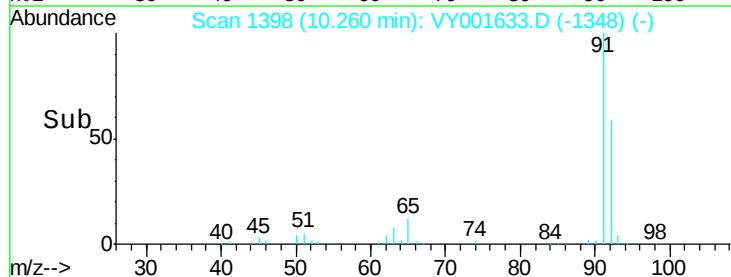
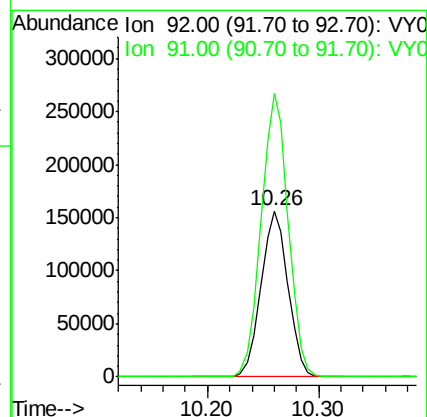
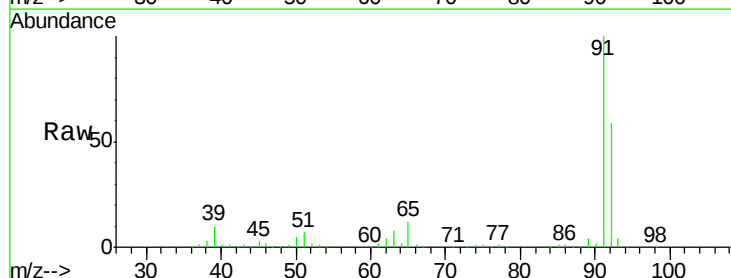
Acq: 13 Feb 2020 17:57

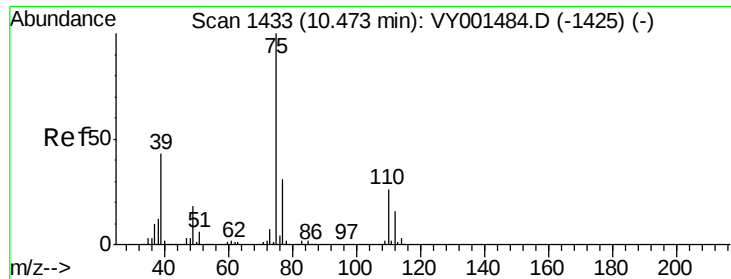
Tgt Ion: 92 Resp: 263148

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





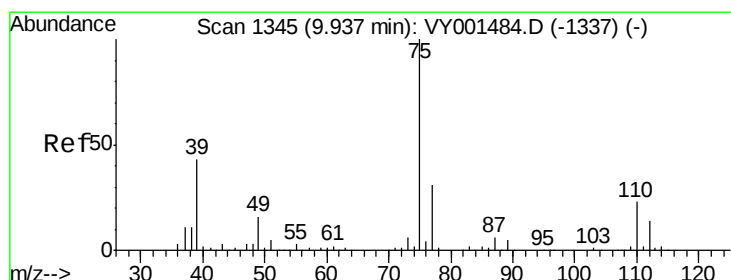
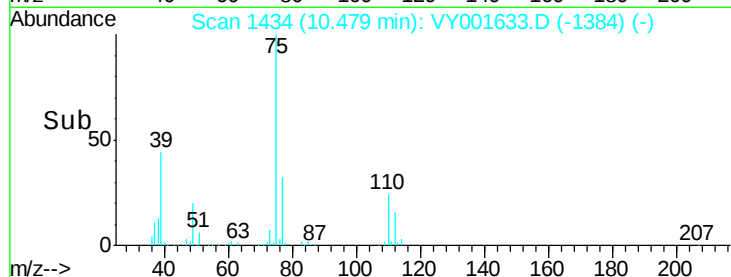
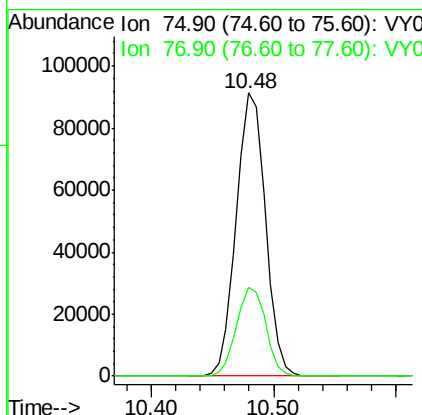
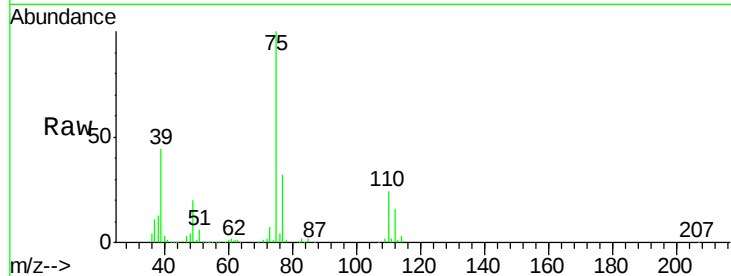
#53
t-1,3-Dichloropropene
Concen: 50.274 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 151011
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3

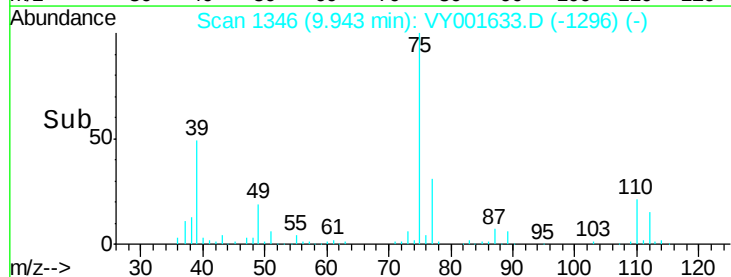
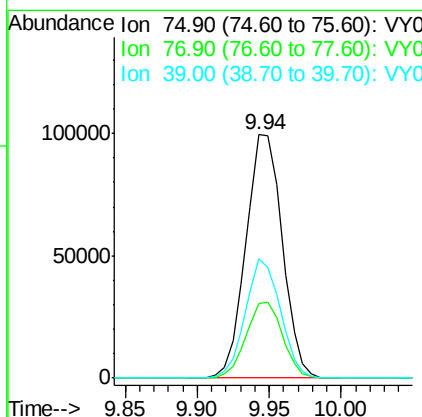
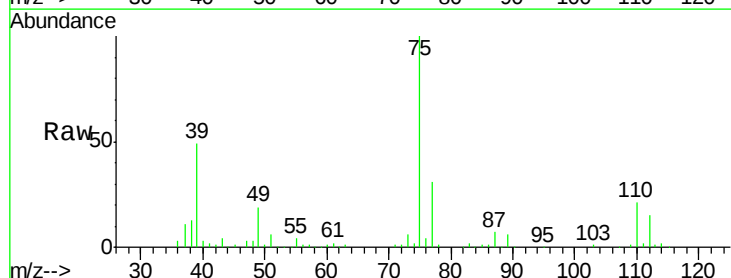
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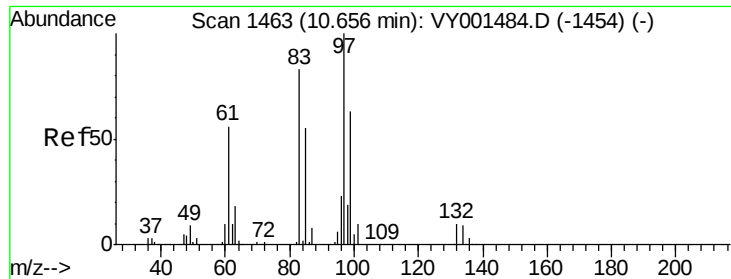
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#54
cis-1,3-Dichloropropene
Concen: 50.553 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion: 75 Resp: 174329
Ion Ratio Lower Upper
75 100
77 30.7 24.7 37.1
39 48.9 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 51.601 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

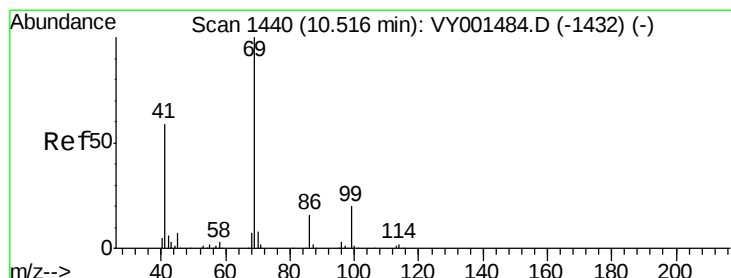
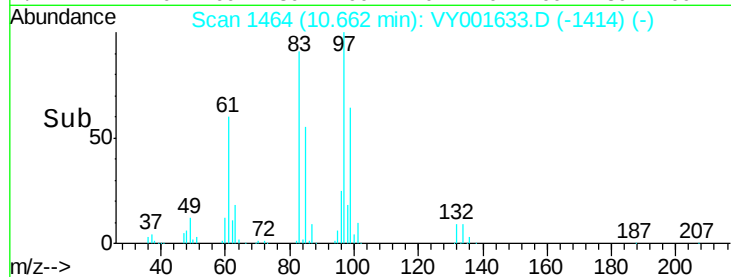
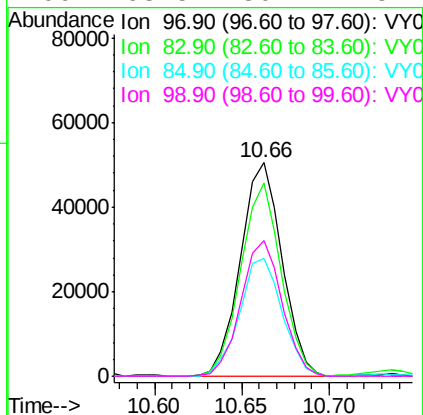
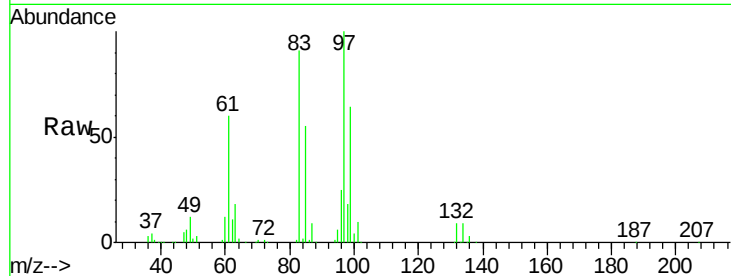
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	83797
Ion	Ratio	Lower	Upper
97	100		
83	90.7	66.2	99.2
85	55.2	43.8	65.6
99	63.5	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.548 ug/l

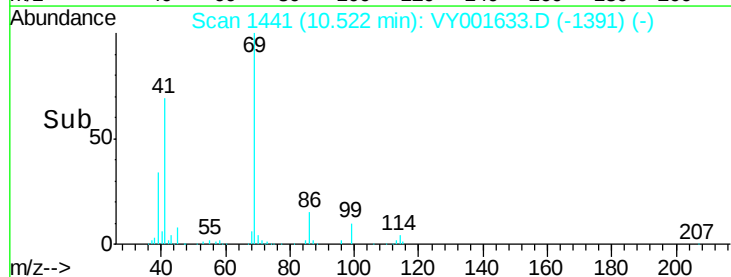
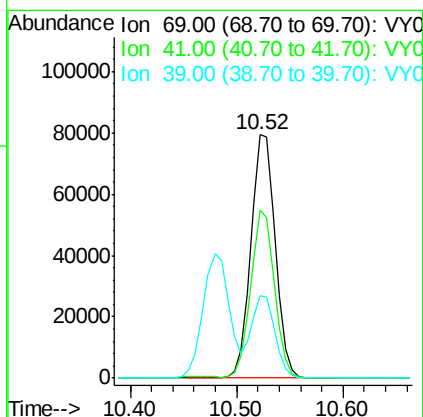
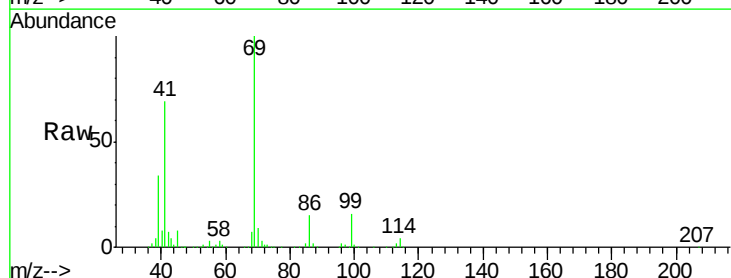
RT: 10.52 min Scan# 1441

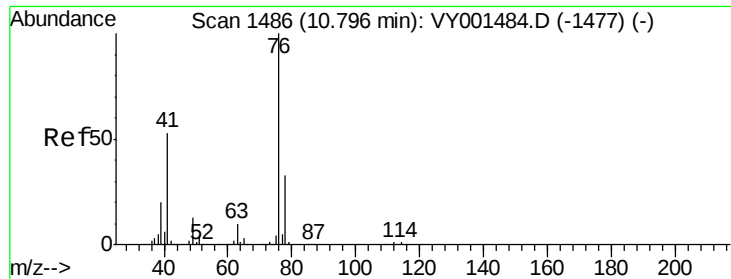
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	69	Resp:	128304
Ion	Ratio	Lower	Upper
69	100		
41	67.0	47.8	71.8
39	33.2	24.4	36.6





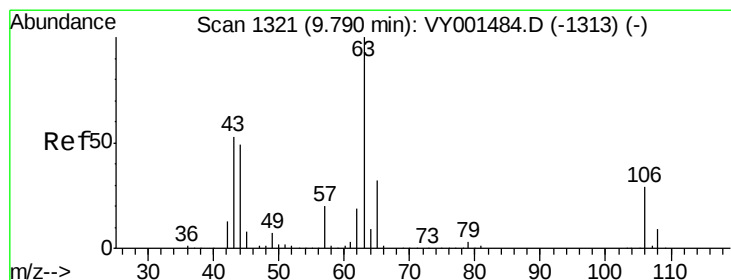
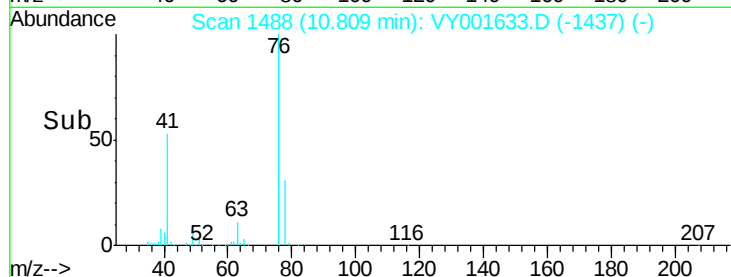
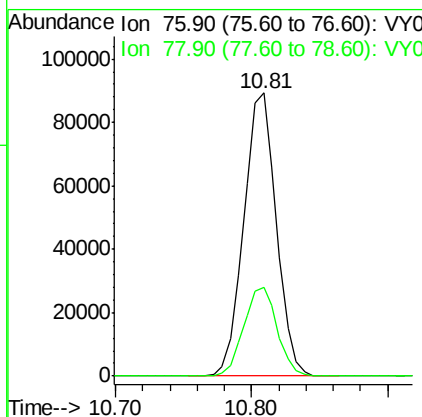
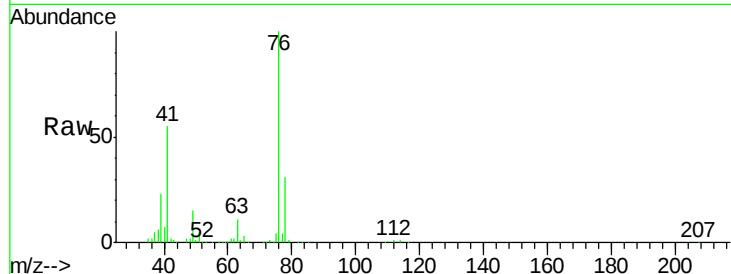
#57
 1,3-Dichloropropane
 Concen: 52.136 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 149247
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

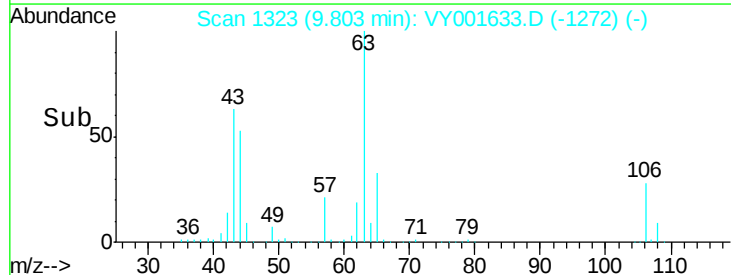
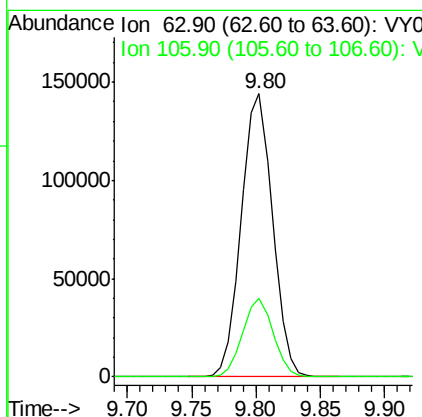
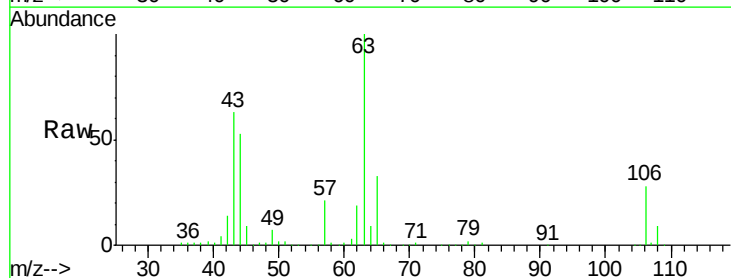
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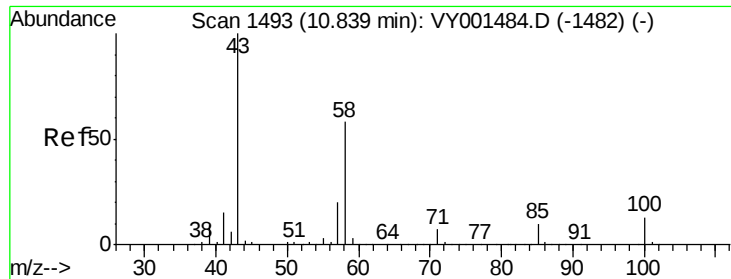
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#58
 2-Chloroethyl Vinyl ether
 Concen: 284.241 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion: 63 Resp: 241522
 Ion Ratio Lower Upper
 63 100
 106 27.1 24.0 36.0





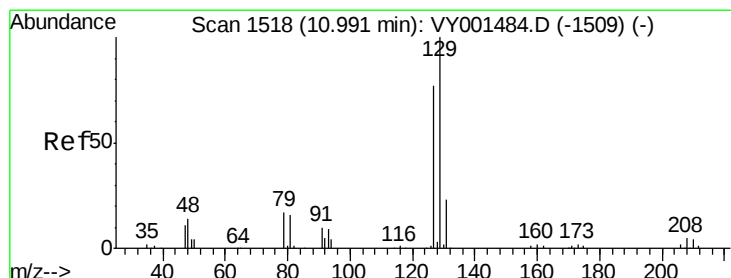
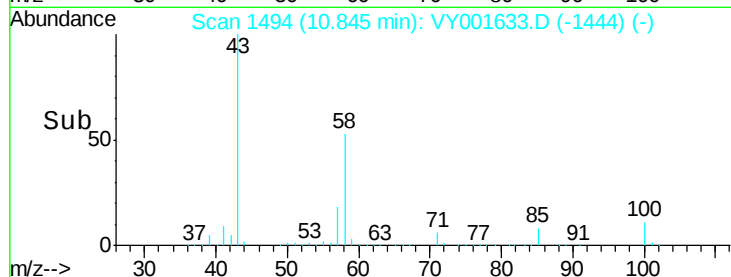
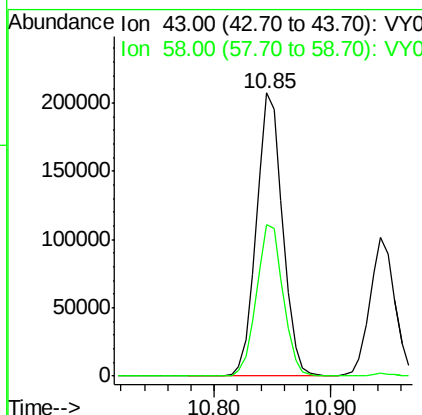
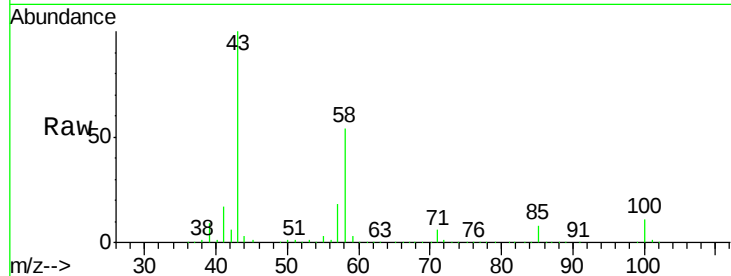
#59
2-Hexanone
Concen: 322.383 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 323800
Ion Ratio Lower Upper
43 100
58 54.4 29.0 87.0

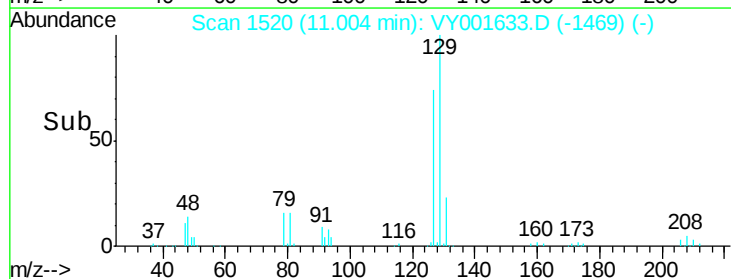
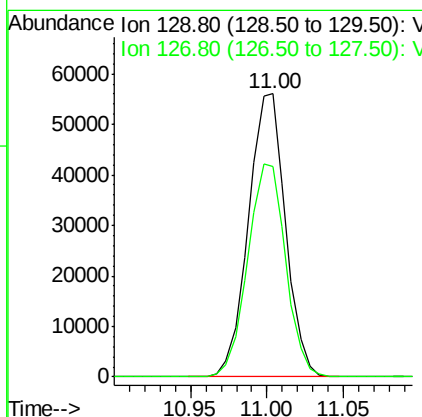
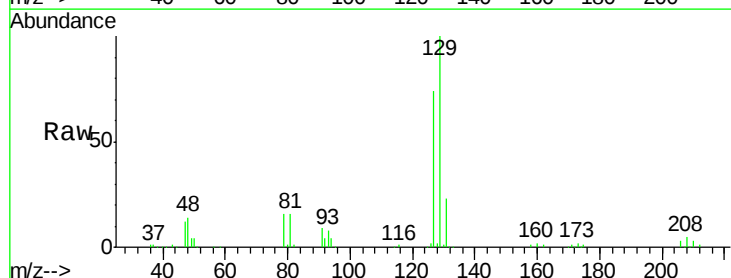
Manual Integrations
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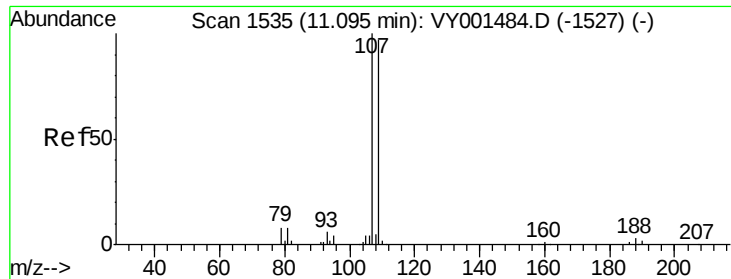
MMDadoda
2/14/2020 5:27:18 PM



#60
Dibromochloromethane
Concen: 49.428 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion: 129 Resp: 94615
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





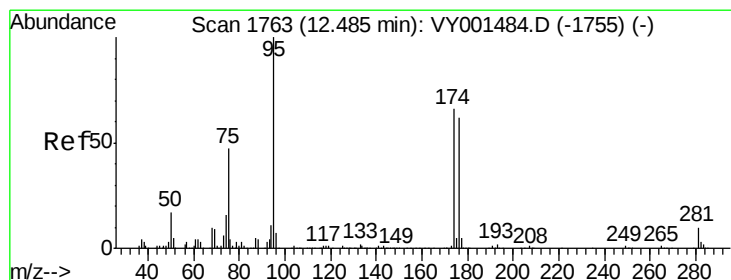
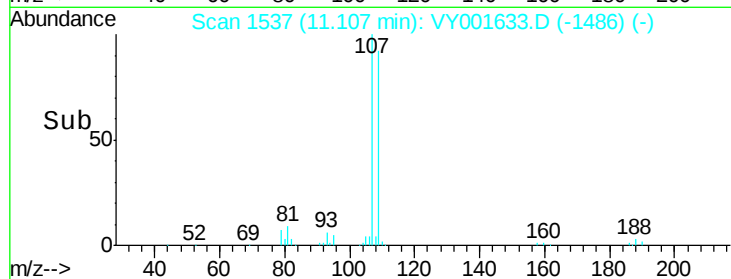
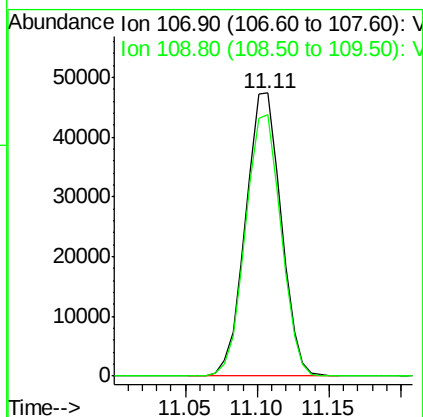
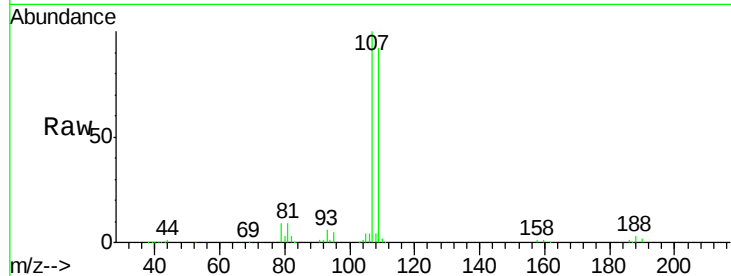
#61
 1,2-Dibromoethane
 Concen: 50.554 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.2	114.2

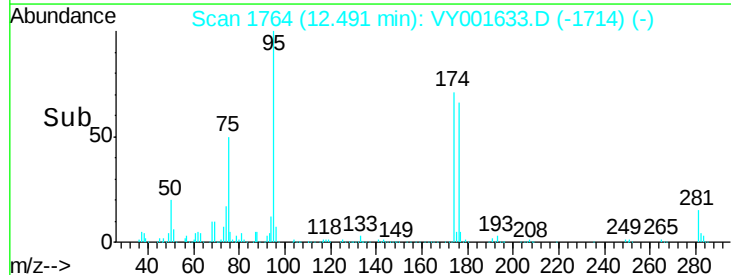
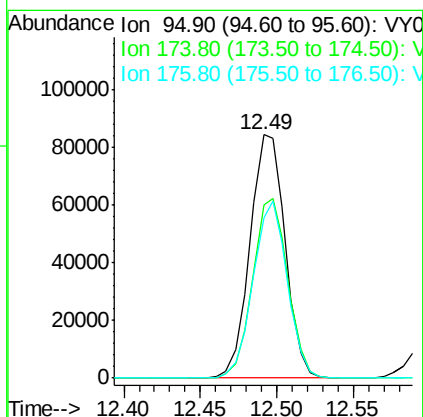
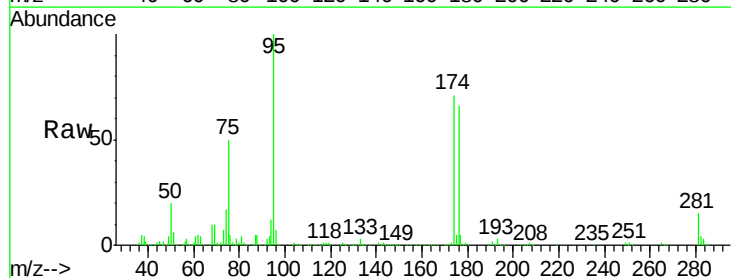
Manual Integrations
 APPROVED

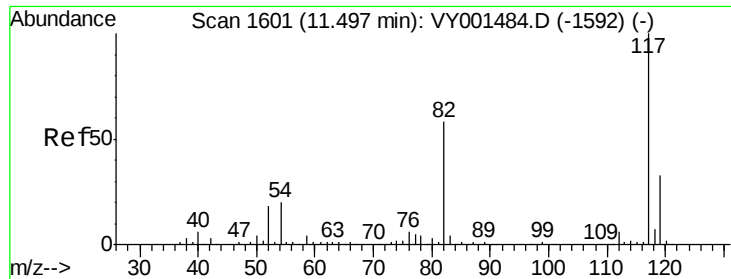
MMDadoda
 2/14/2020 5:27:18 PM



#62
 4-Bromofluorobenzene
 Concen: 49.043 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	141.4
176	70.6	0.0	135.4





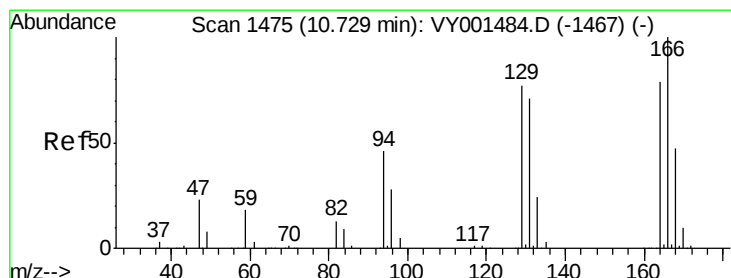
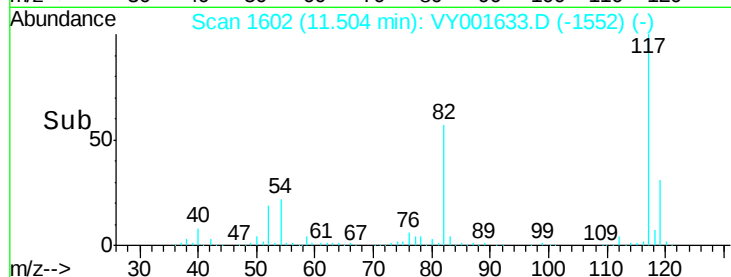
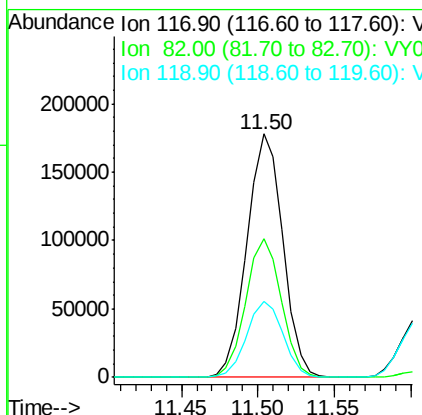
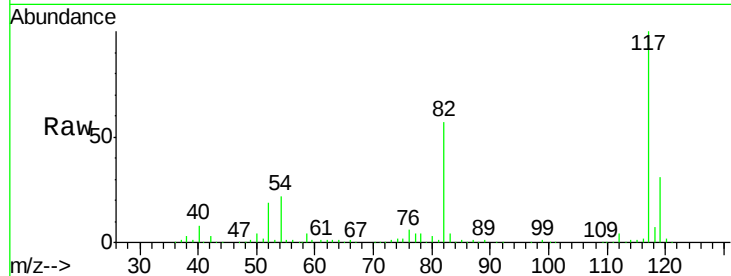
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.1	69.1
119	31.0	26.1	39.1

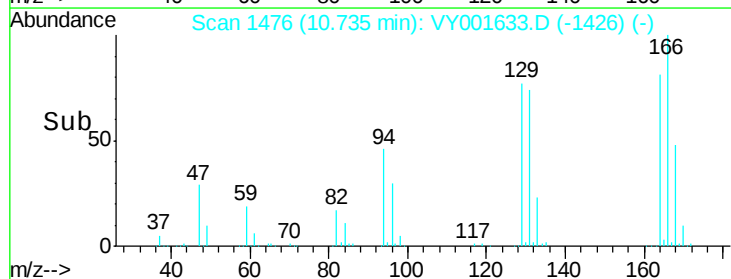
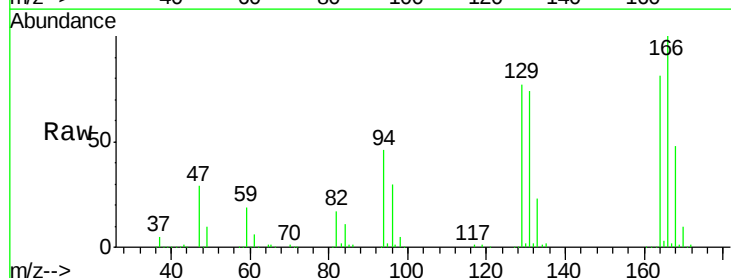
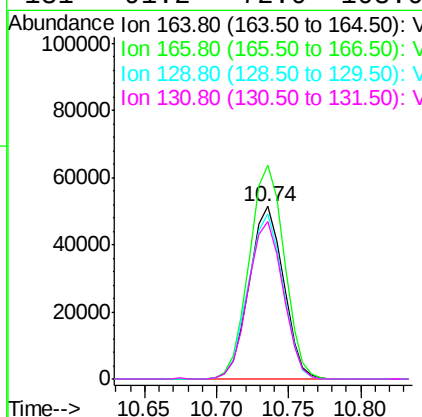
Manual Integrations
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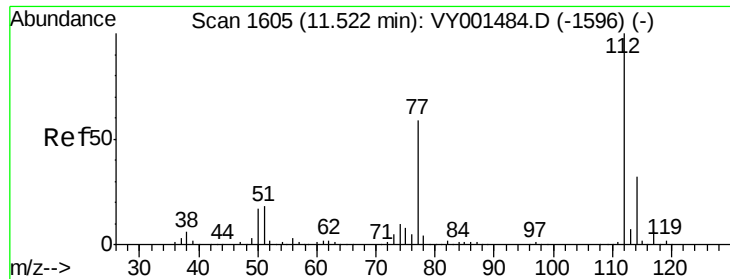
MMDadoda
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#64
Tetrachloroethene
Concen: 44.391 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.8	151.2
129	95.5	77.8	116.6
131	91.2	72.0	108.0





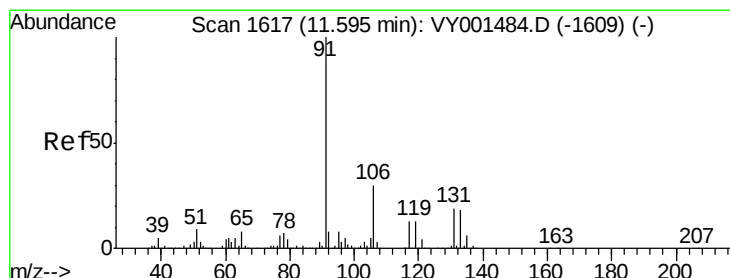
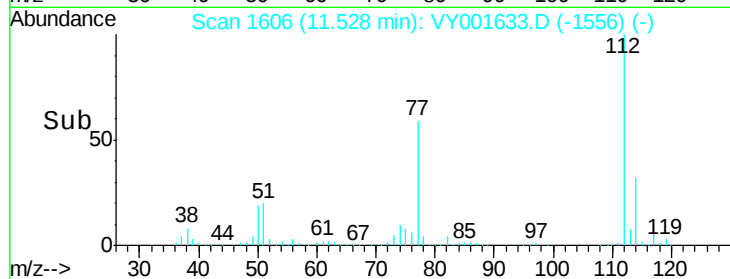
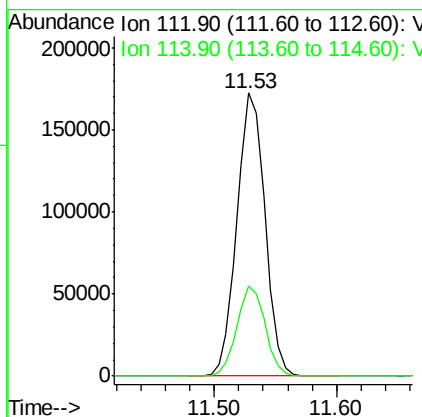
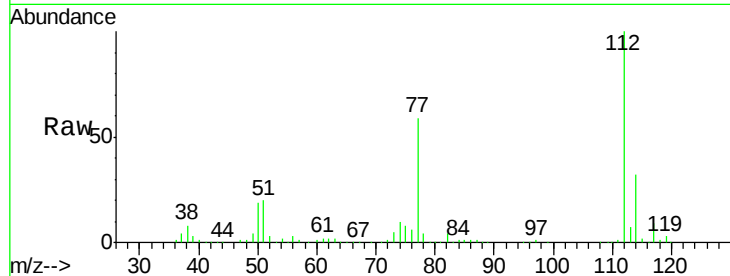
#65
Chlorobenzene
Concen: 48.056 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 273797
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

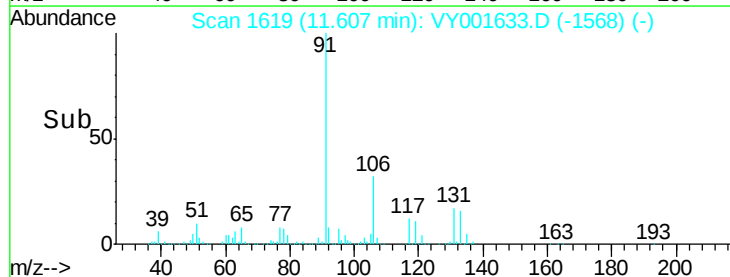
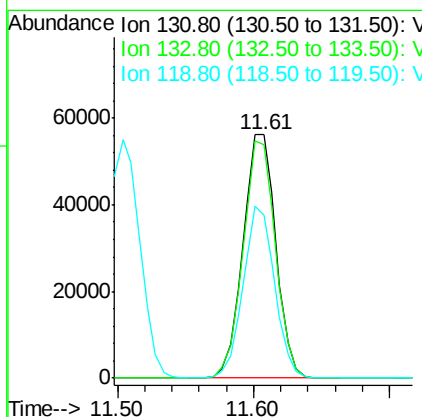
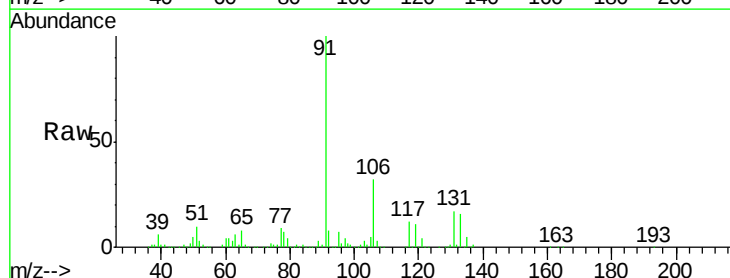
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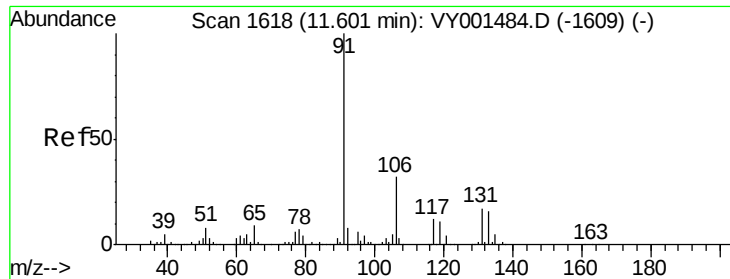
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.535 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion:131 Resp: 94789
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.8
119 67.8 33.7 101.0





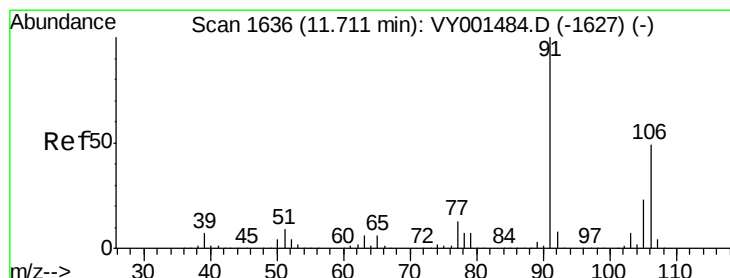
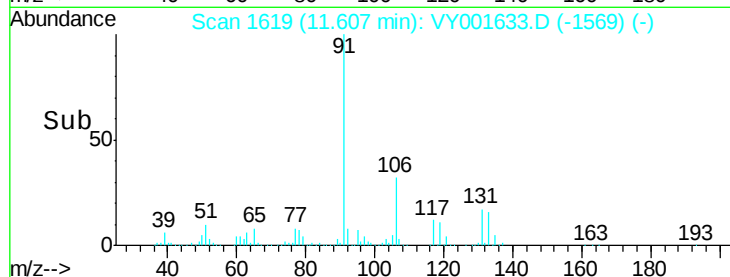
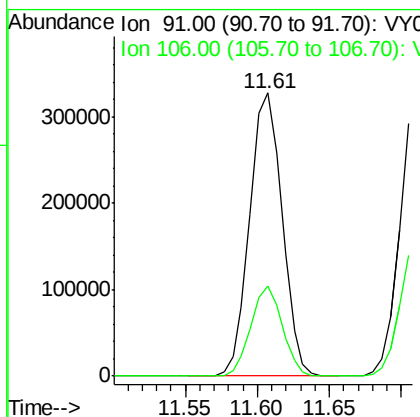
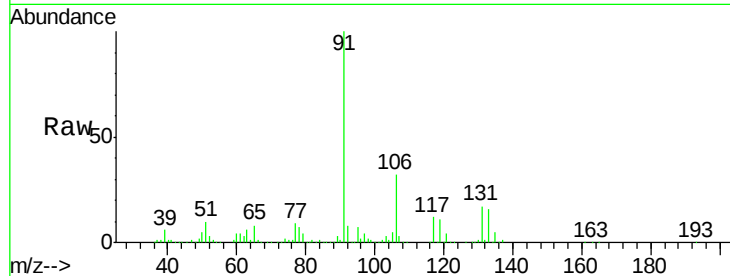
#67
Ethyl Benzene
Concen: 48.479 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 510698
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

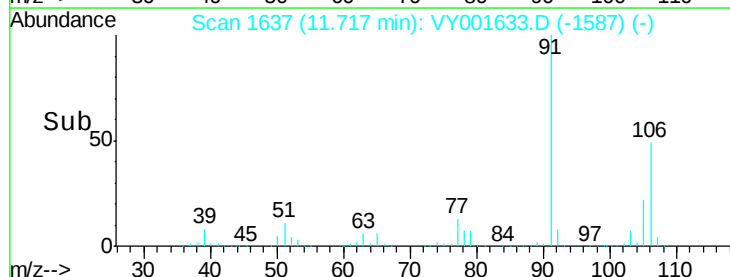
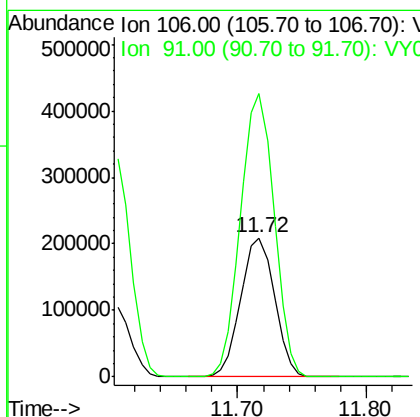
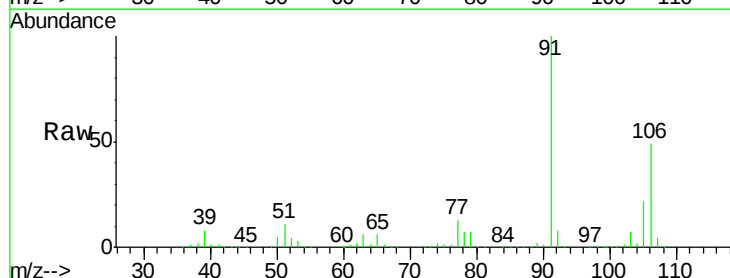
Manual Integrations
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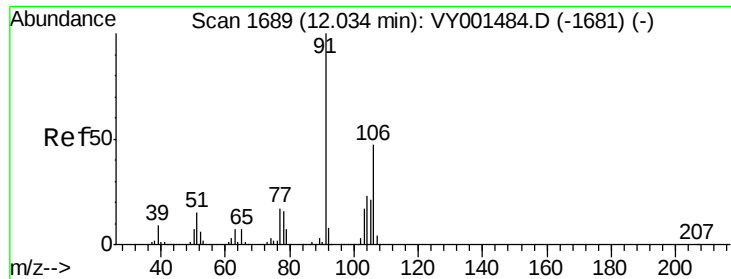
MMDadoda
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#68
m/p-Xylenes
Concen: 96.343 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion: 106 Resp: 381006
Ion Ratio Lower Upper
106 100
91 202.9 163.6 245.4





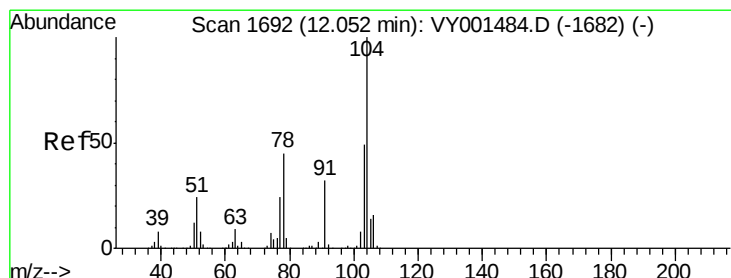
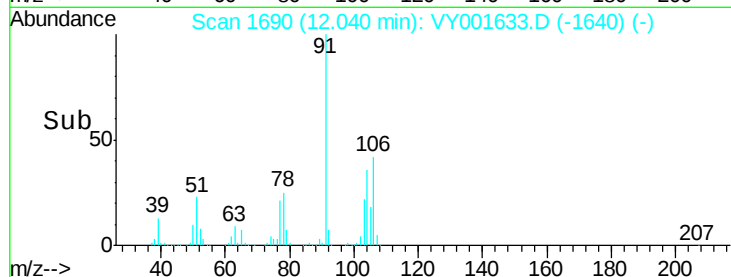
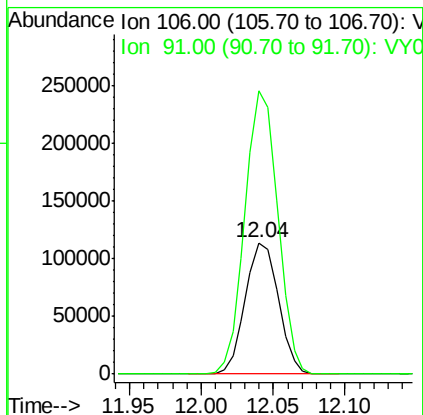
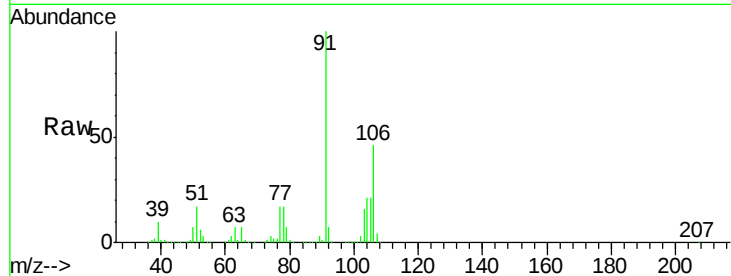
#69
o-Xylene
Concen: 48.872 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	182231		
91	212.9	106.0	318.0	

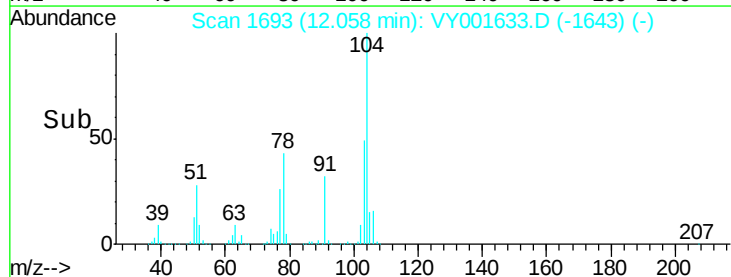
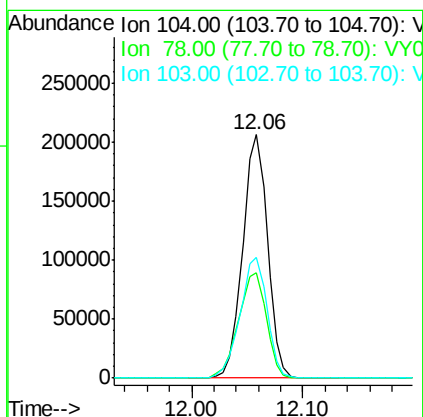
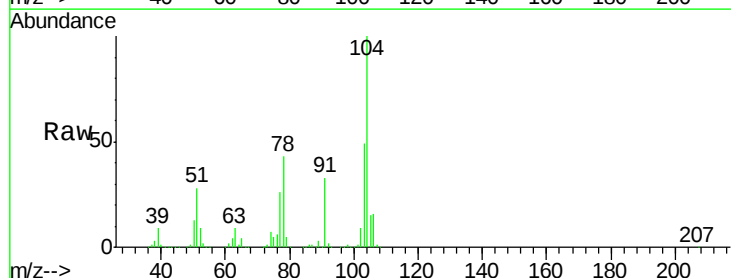
Manual Integrations
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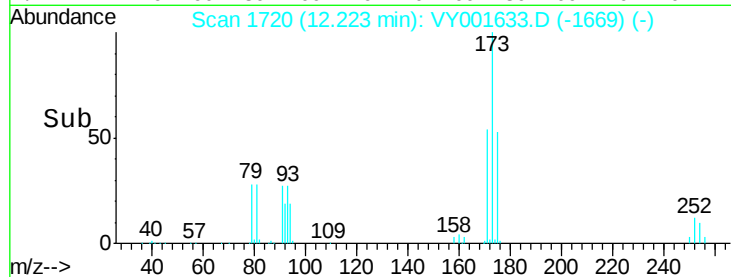
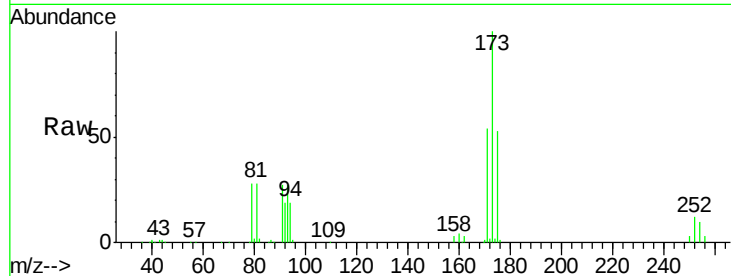
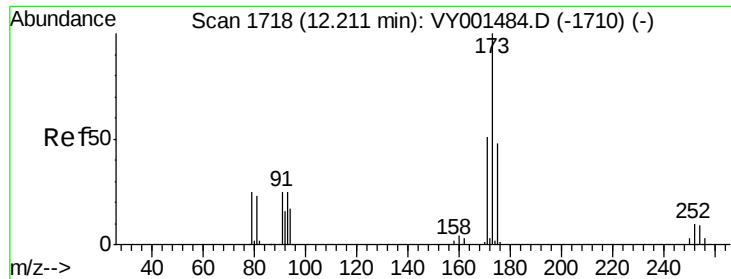
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#70
Styrene
Concen: 49.493 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	319137		
78	48.7	40.4	60.6	
103	54.0	42.8	64.2	





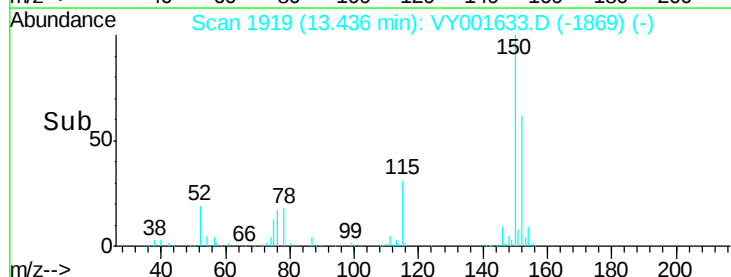
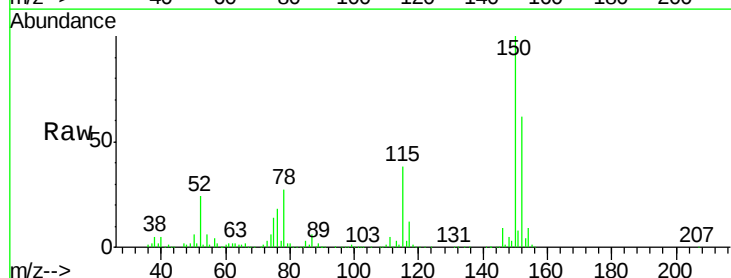
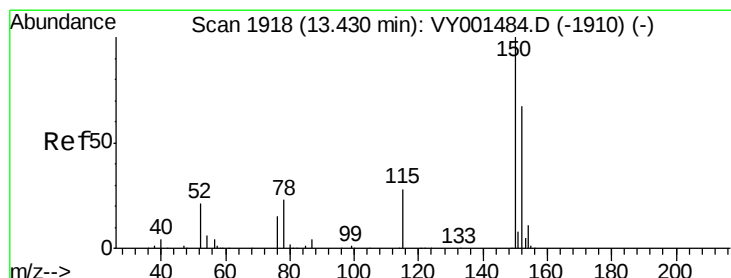
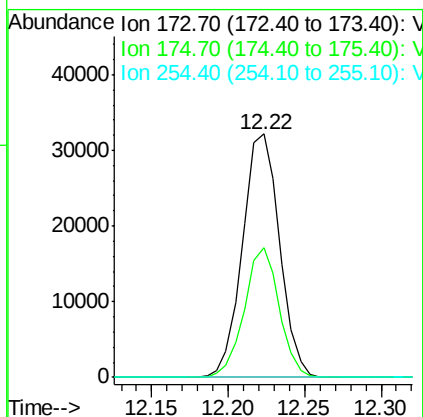
#71
Bromoform
Concen: 48.791 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.0	72.0
254	0.0	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

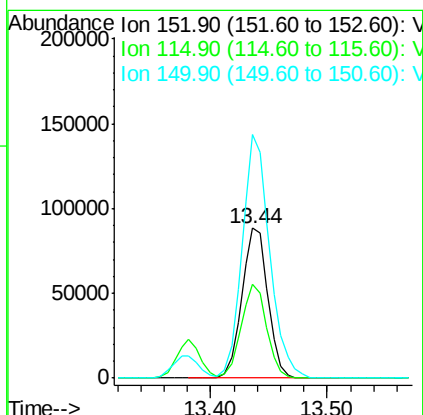
Manual Integrations
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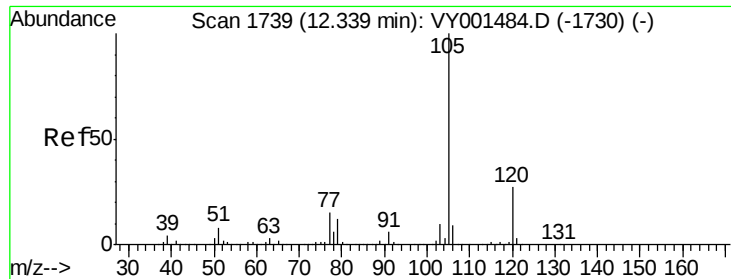
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	31.4	94.3
150	172.5	0.0	346.8





#73

Isopropylbenzene

Concen: 46.366 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 484485

Ion Ratio Lower Upper

105 100

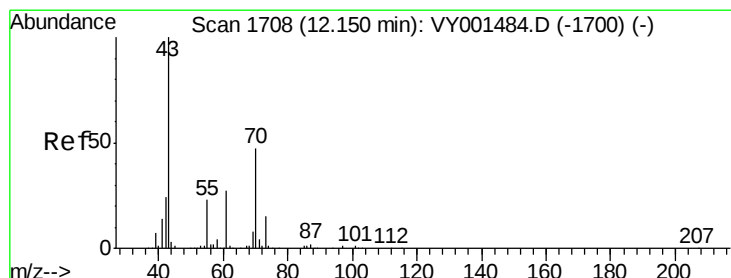
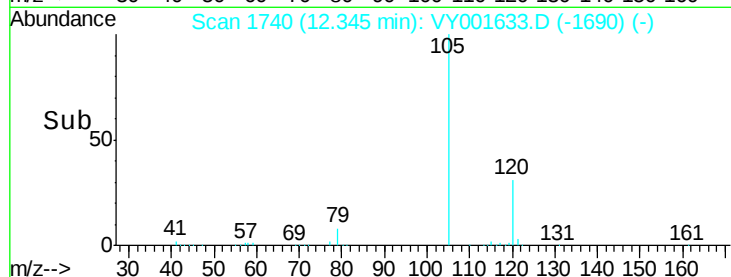
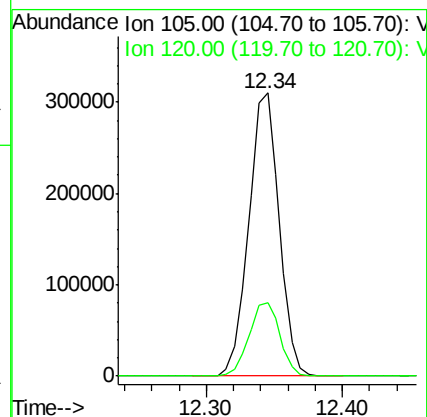
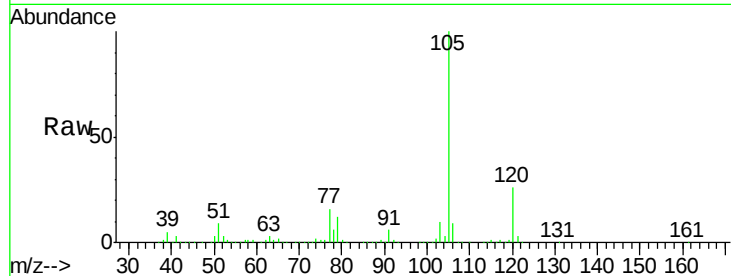
120 26.4 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 59.376 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion: 43 Resp: 161223

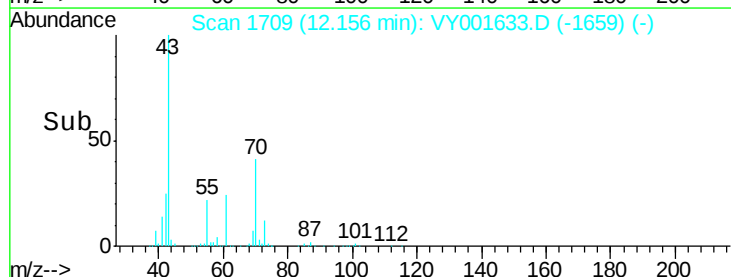
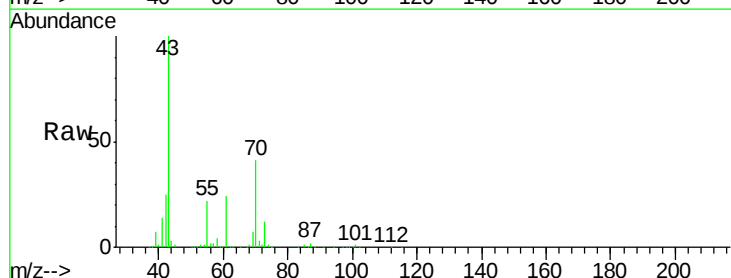
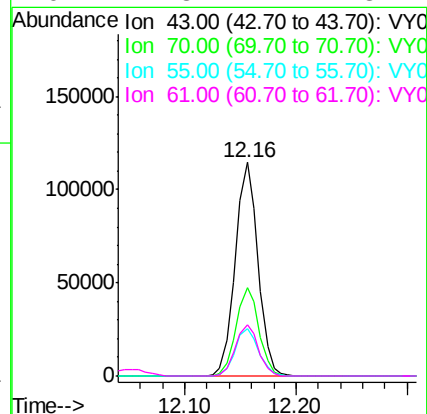
Ion Ratio Lower Upper

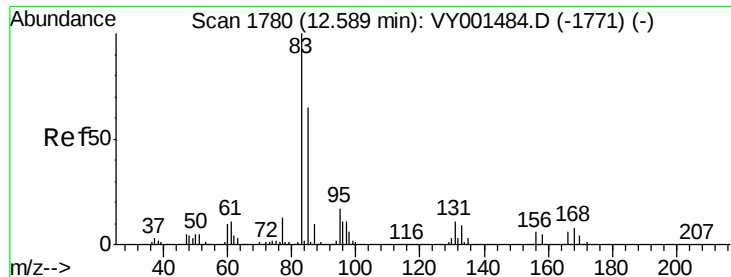
43 100

70 42.0 37.2 55.8

55 22.8 18.8 28.2

61 24.3 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.996 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

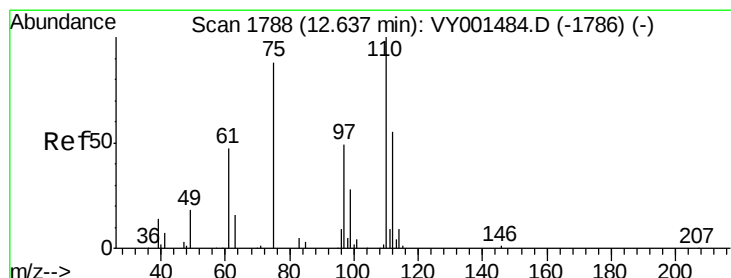
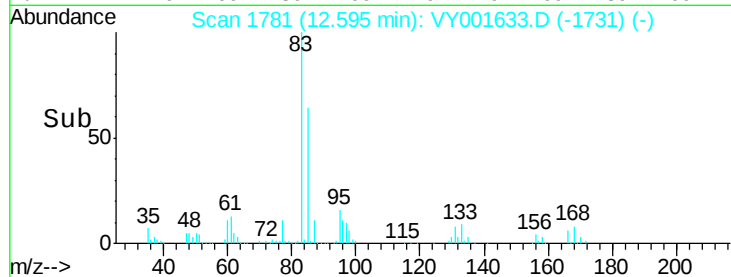
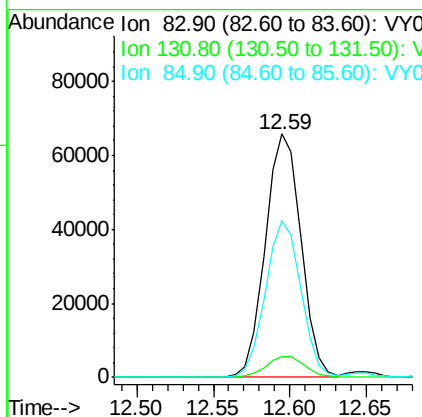
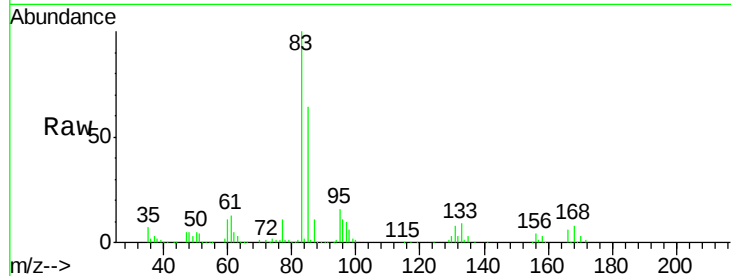
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107196
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.295 ug/l m

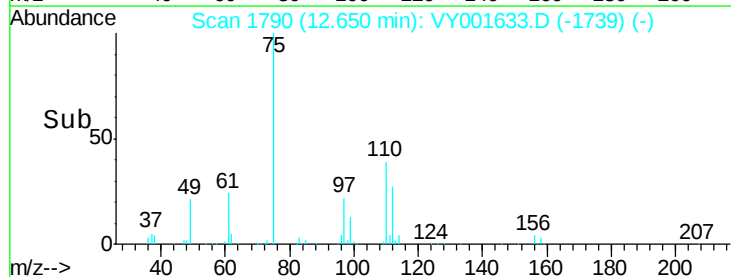
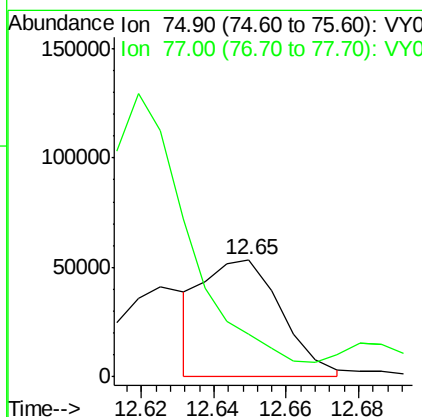
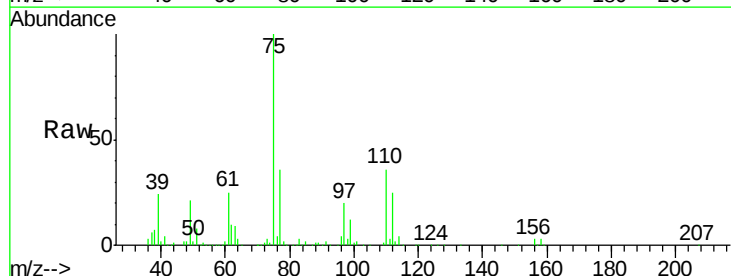
RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	75	Resp:	79996
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.626 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 107697

Ion Ratio Lower Upper

156 100

77 211.5 99.8 299.3

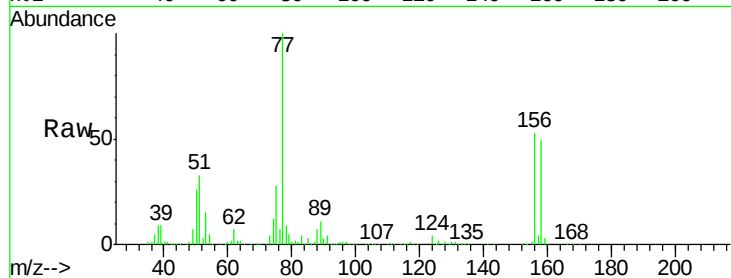
158 95.4 47.5 142.6

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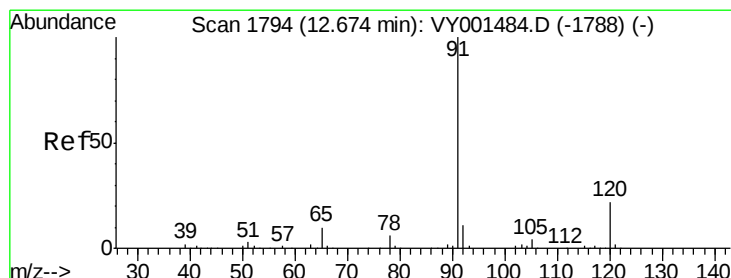
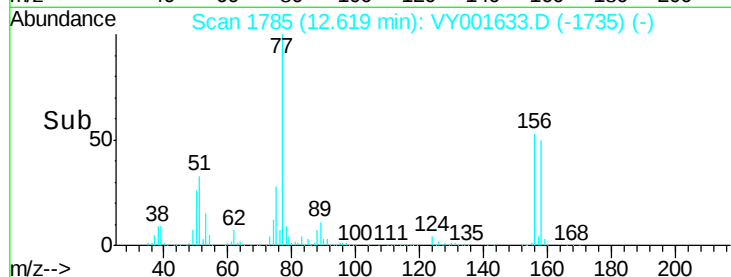
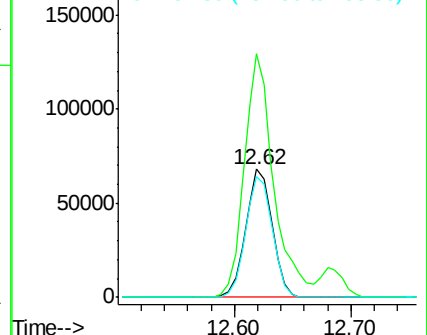
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.704 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001633.D

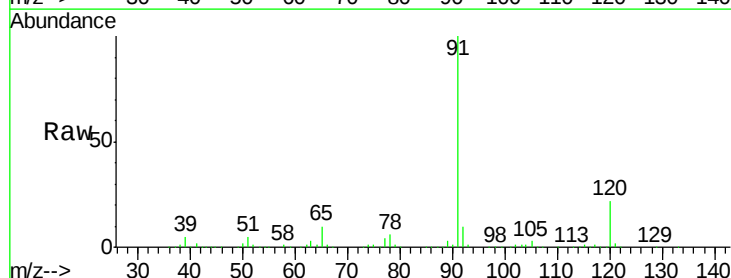
Acq: 13 Feb 2020 17:57

Tgt Ion: 91 Resp: 596746

Ion Ratio Lower Upper

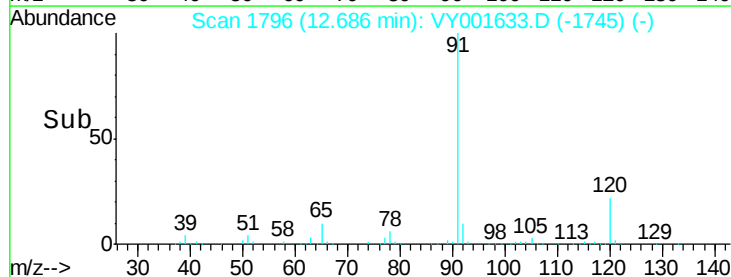
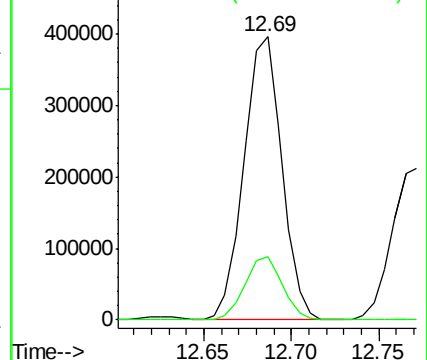
91 100

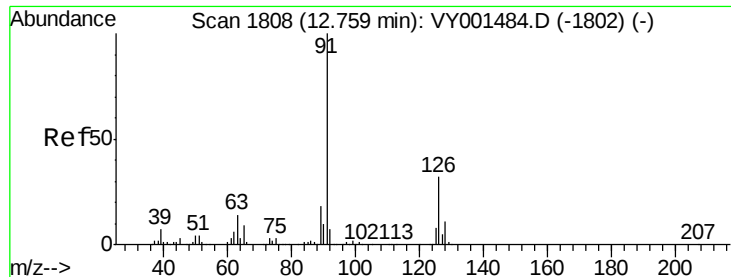
120 22.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.787 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 333613

Ion Ratio Lower Upper

91 100

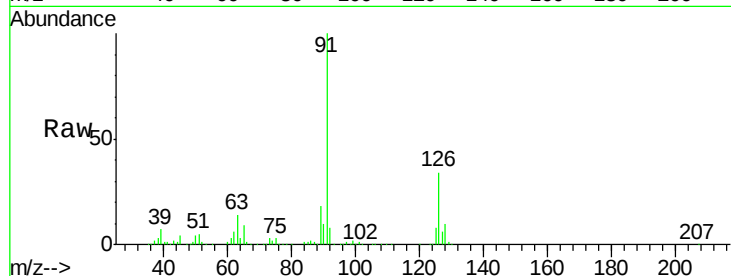
126 32.9 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VY001633.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001633.D (-1759) (-)

300000

250000

200000

150000

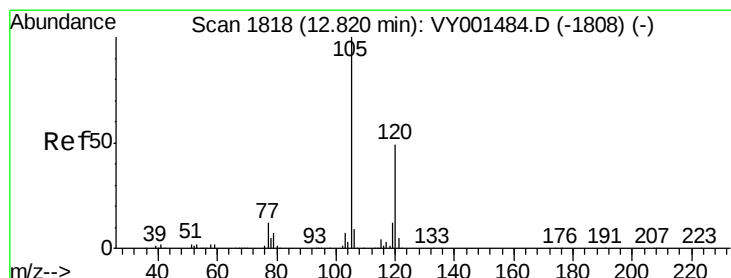
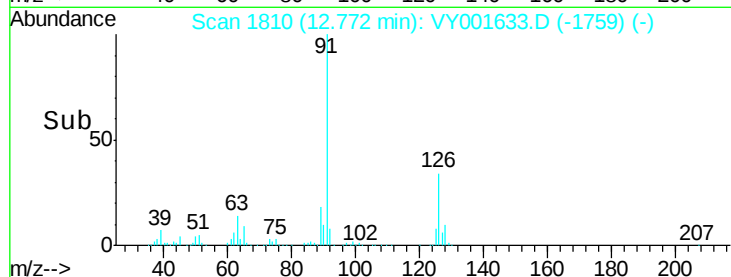
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.106 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001633.D

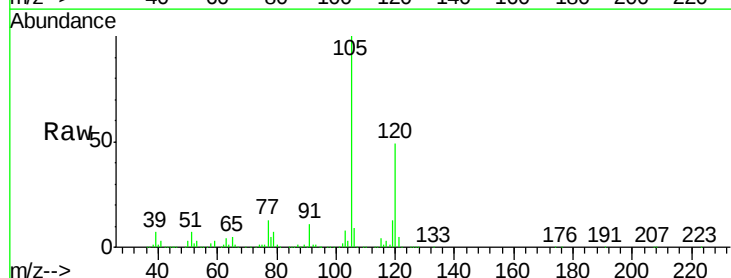
Acq: 13 Feb 2020 17:57

Tgt Ion: 105 Resp: 405734

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001633.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001633.D (-1769) (-)

300000

250000

200000

150000

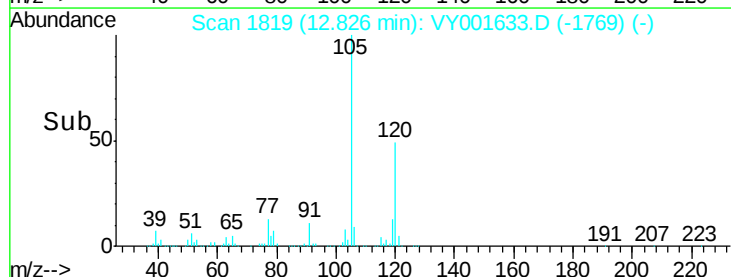
100000

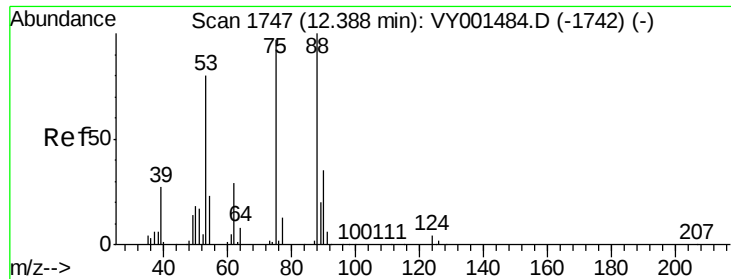
50000

0

12.80 12.85 12.90

Time-->





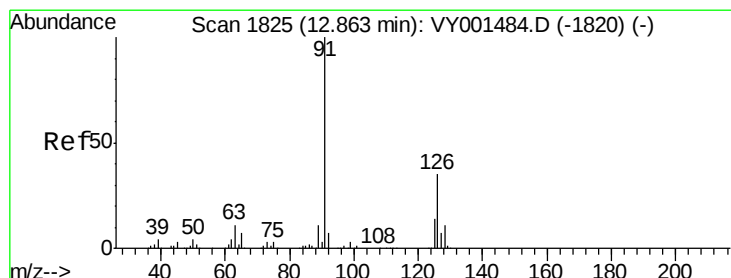
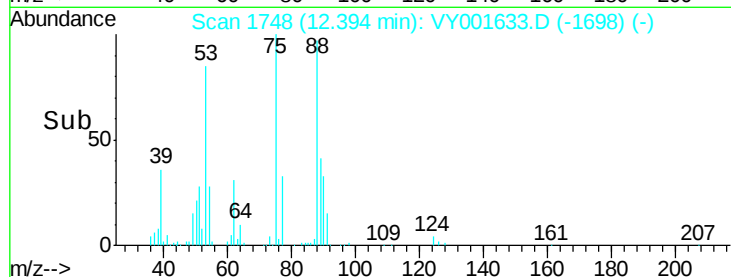
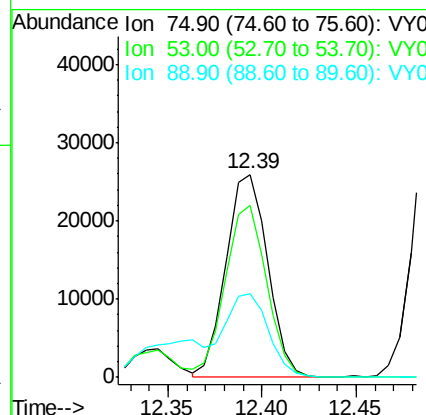
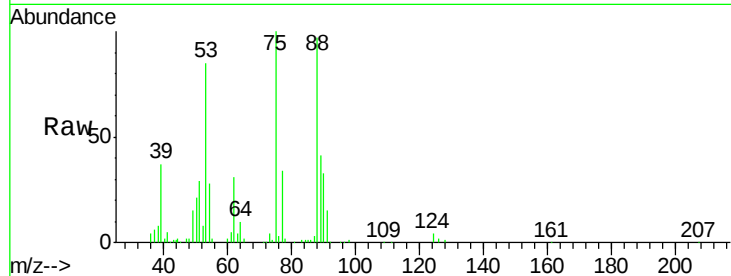
#81
trans-1,4-Dichloro-2-butene
Concen: 51.783 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.4	67.7	101.5
89	44.2	34.6	52.0

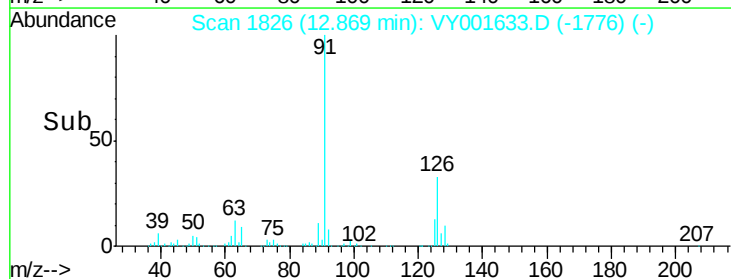
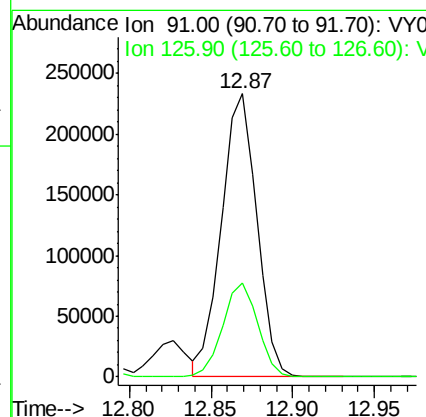
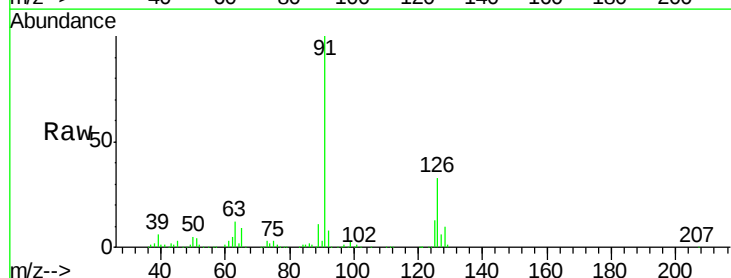
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#82
4-Chlorotoluene
Concen: 47.142 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





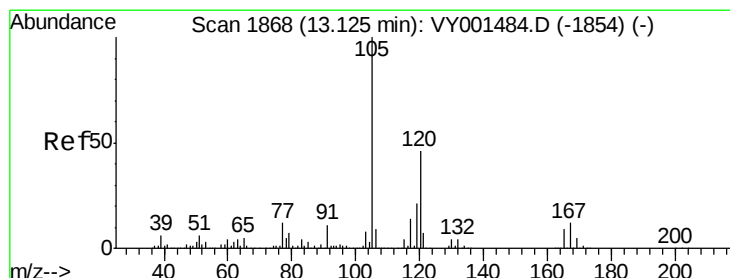
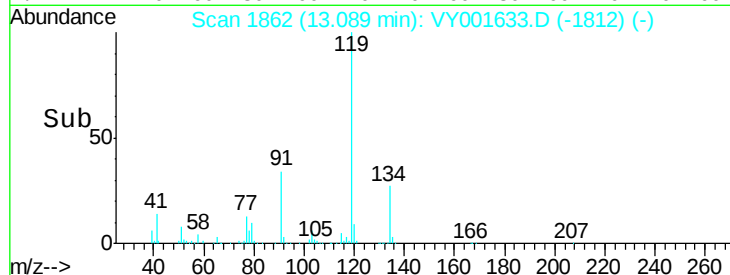
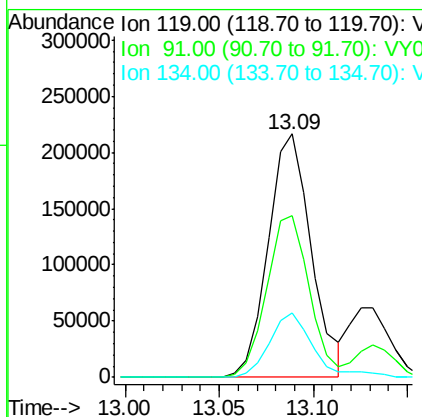
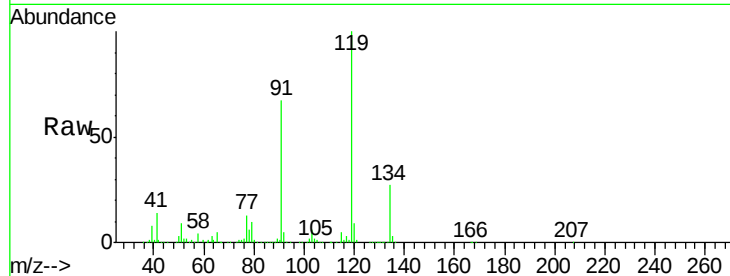
#83
tert-Butylbenzene
Concen: 46.182 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.1	99.3
134	26.9	13.0	39.0

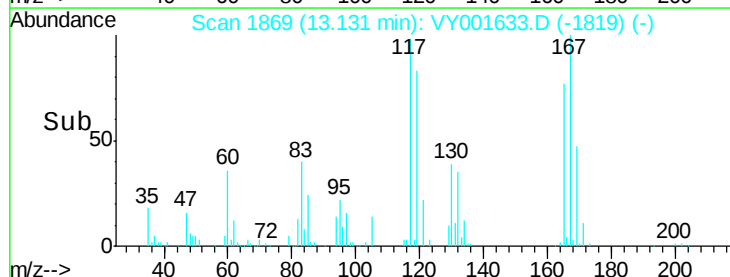
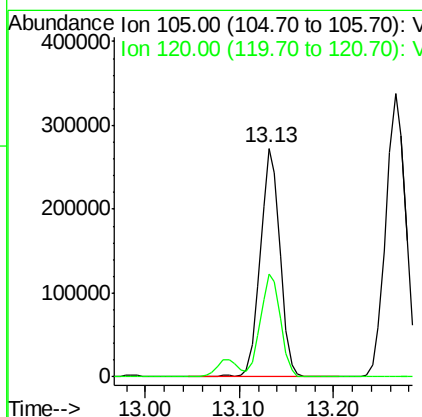
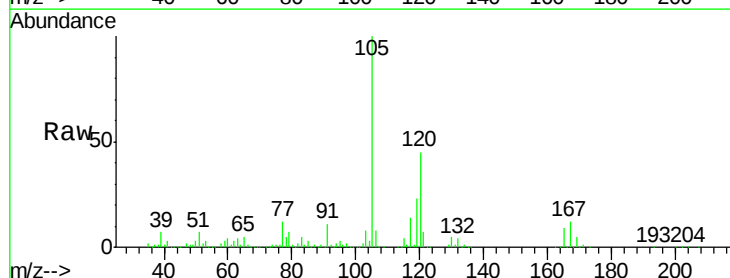
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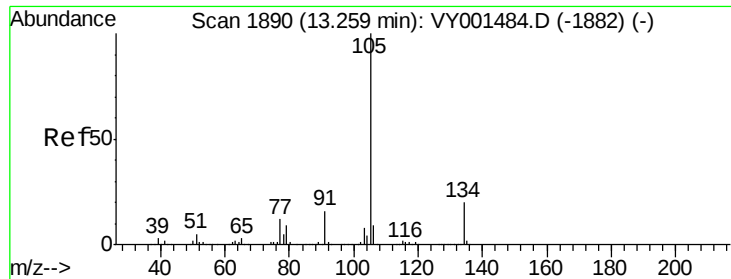
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#84
1,2,4-Trimethylbenzene
Concen: 46.346 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.0





#85

sec-Butylbenzene

Concen: 47.652 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 498359

Ion Ratio Lower Upper

105 100

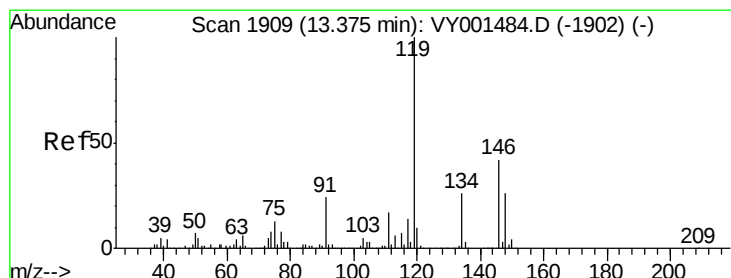
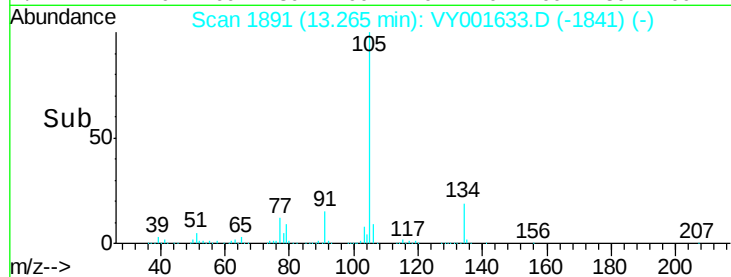
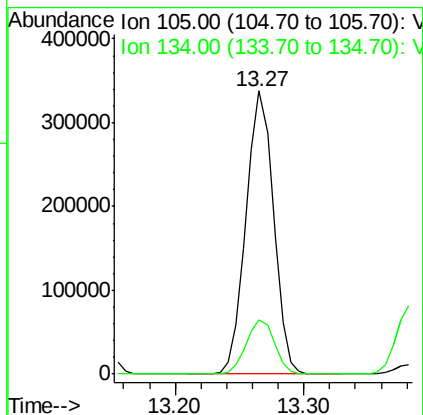
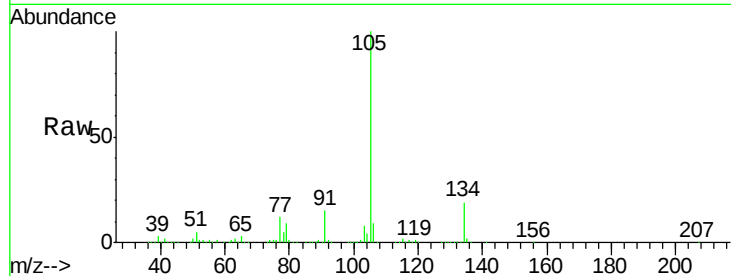
134 19.7 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 46.682 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

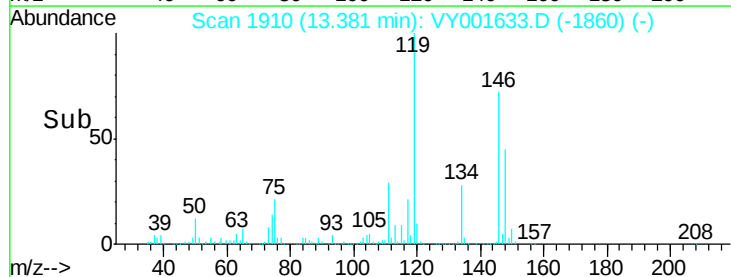
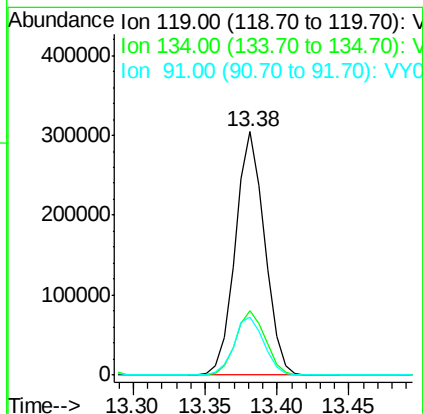
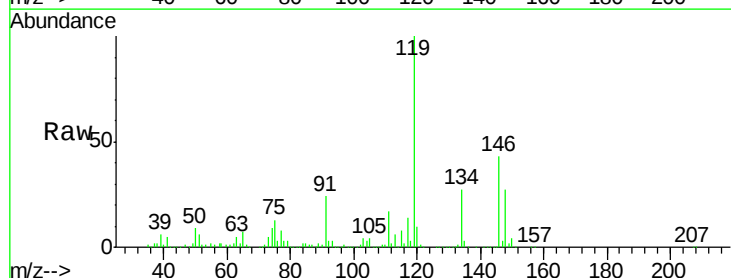
Tgt Ion:119 Resp: 430221

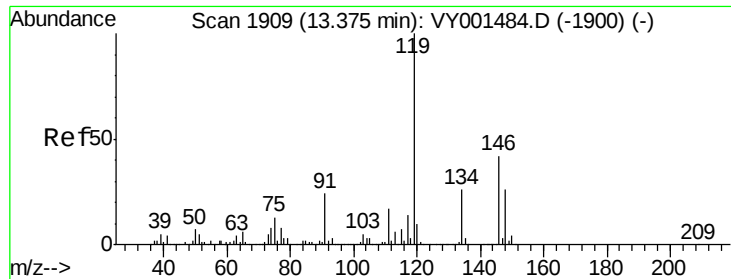
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 24.3 12.2 36.6





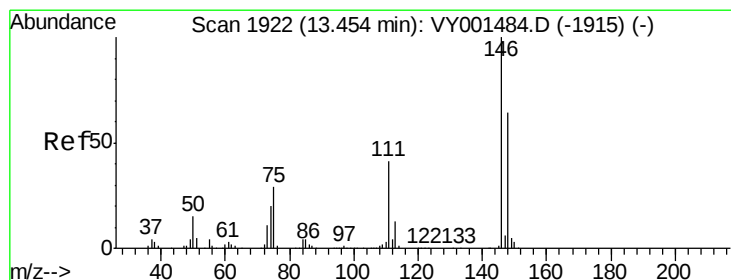
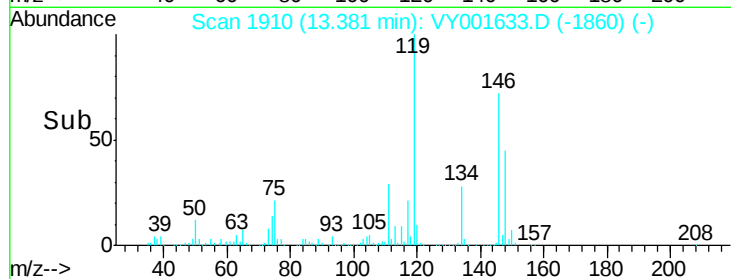
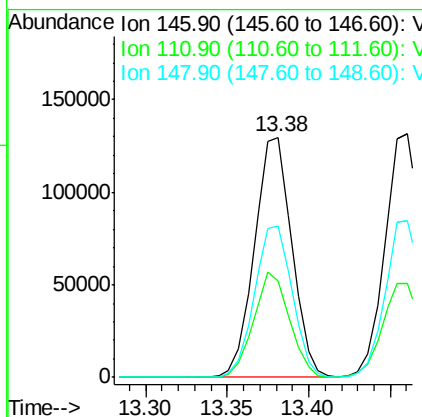
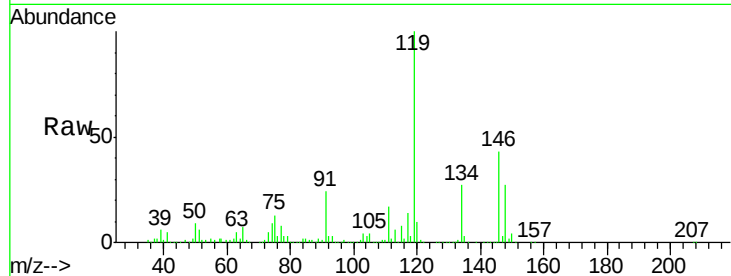
#87
 1,3-Dichlorobenzene
 Concen: 47.503 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205863		
111	42.2	21.3	63.9	
148	63.6	31.9	95.7	

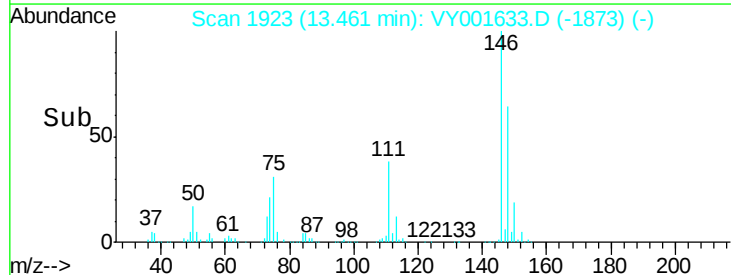
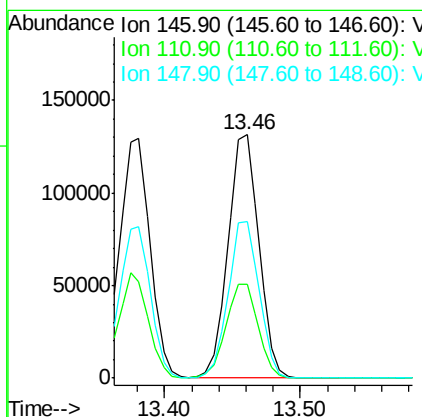
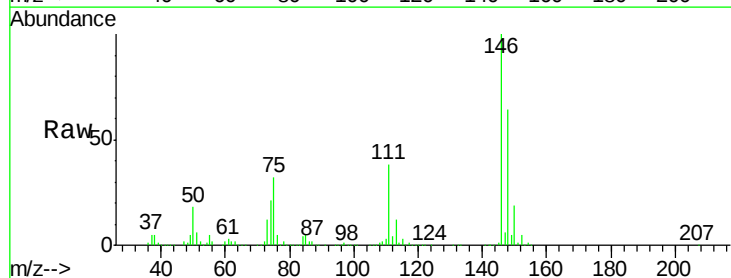
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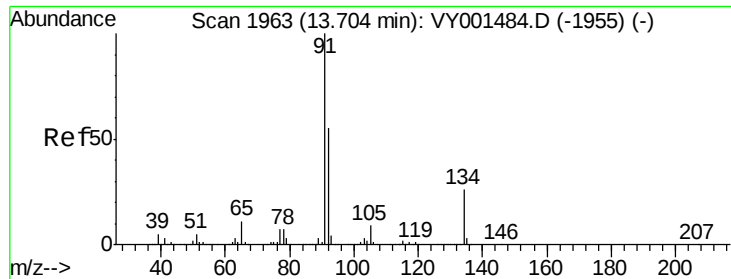
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#88
 1,4-Dichlorobenzene
 Concen: 47.618 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206738		
111	40.4	20.7	62.1	
148	64.5	32.1	96.5	





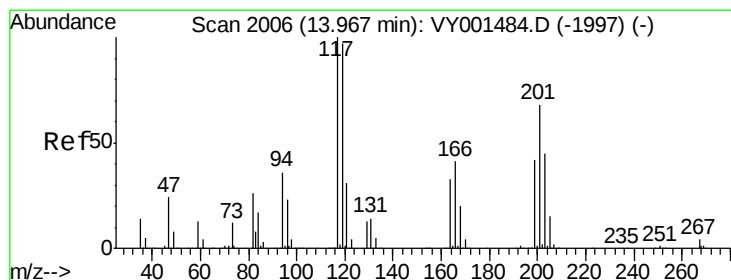
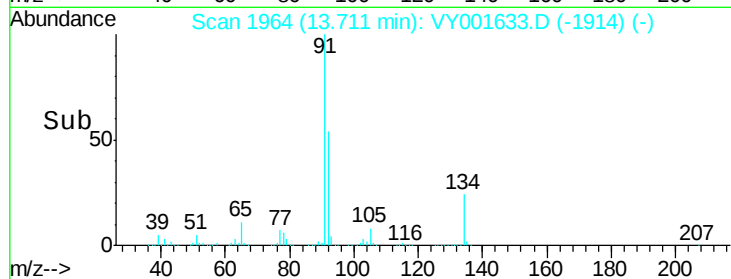
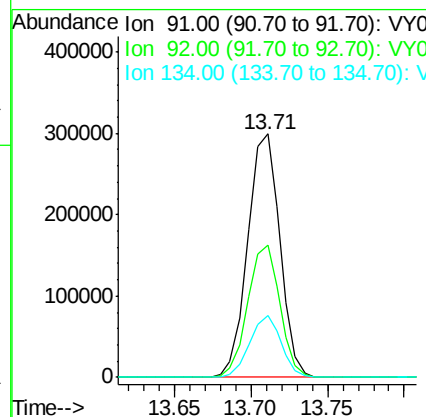
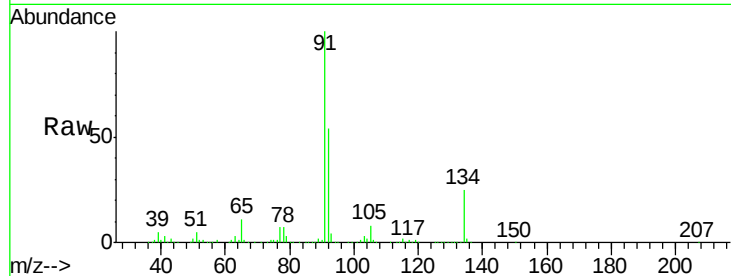
#89
n-Butylbenzene
Concen: 48.144 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.9
134	24.7	13.0	38.9

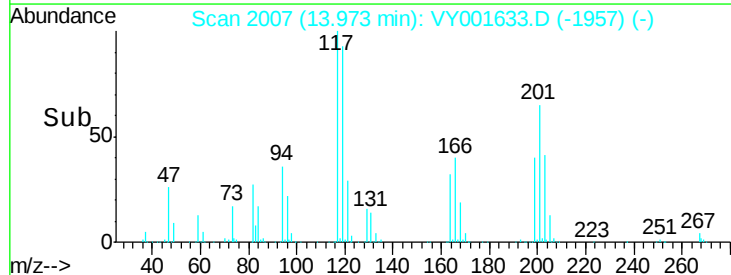
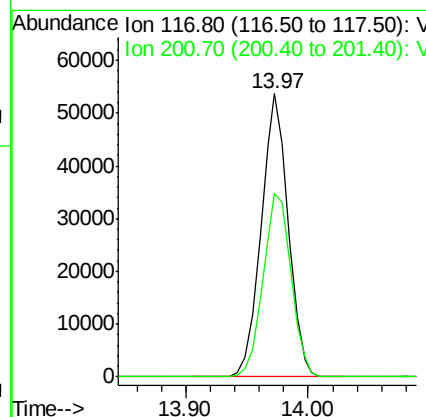
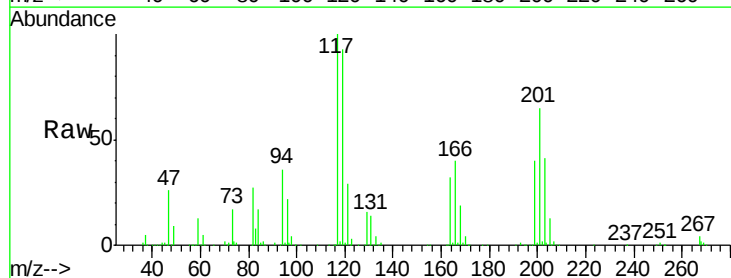
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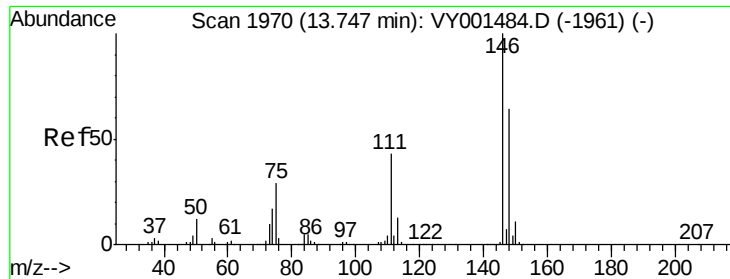
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#90
Hexachloroethane
Concen: 46.757 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 48.546 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Instrument :

MSVOA_Y

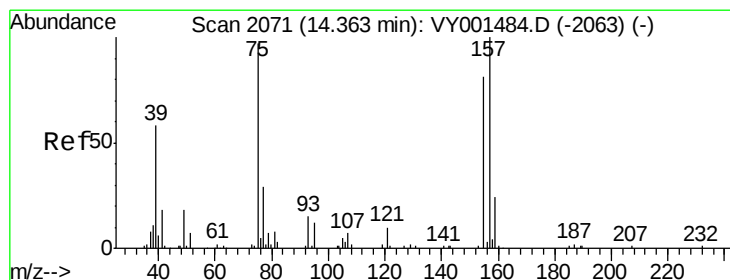
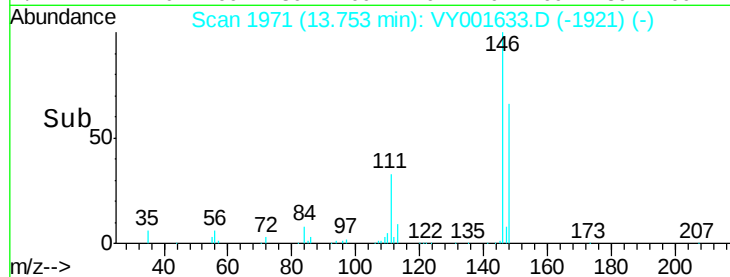
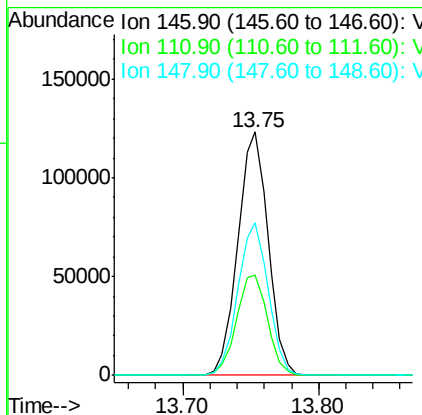
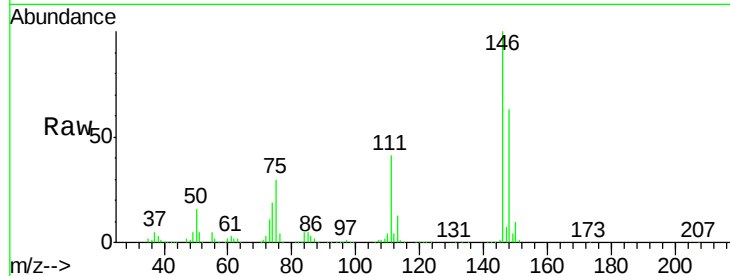
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	190657
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.9	65.8
148	62.9	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.879 ug/l

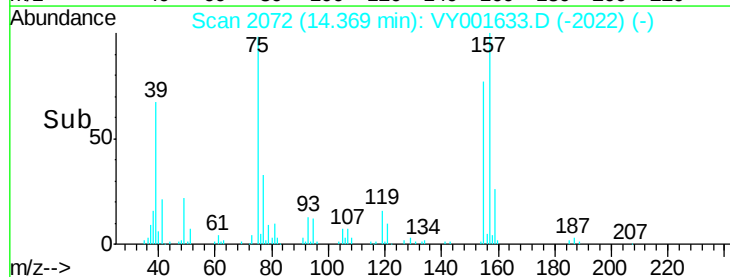
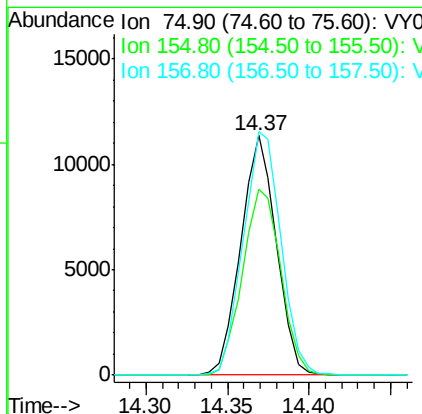
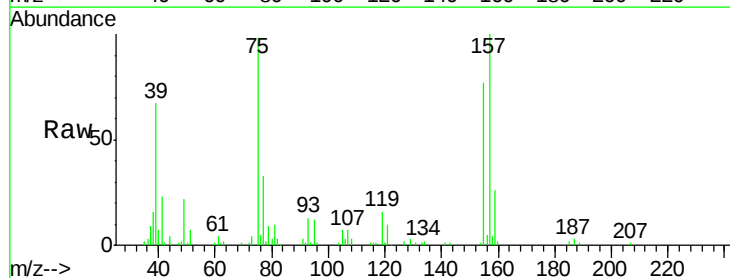
RT: 14.37 min Scan# 2072

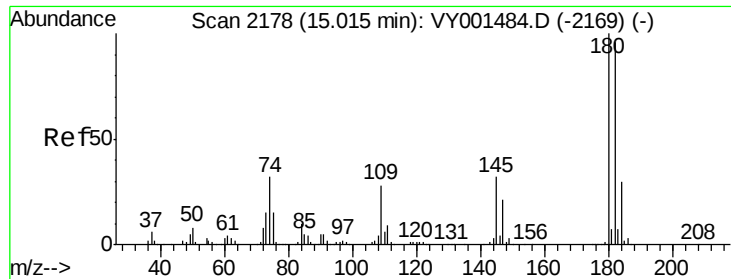
Delta R.T. 0.01 min

Lab File: VY001633.D

Acq: 13 Feb 2020 17:57

Tgt Ion:	75	Resp:	17181
Ion Ratio	Lower	Upper	
75	100		
155	83.8	40.7	122.1
157	108.1	52.3	157.1





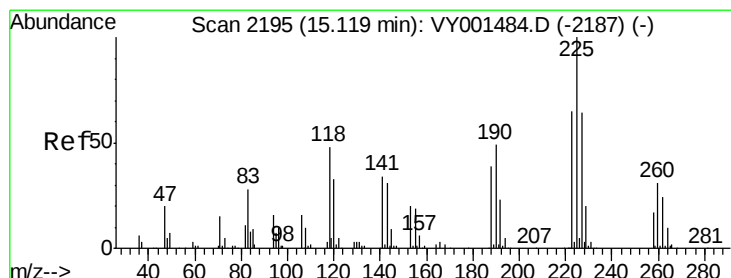
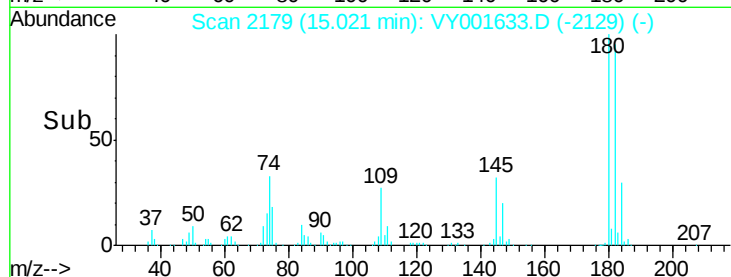
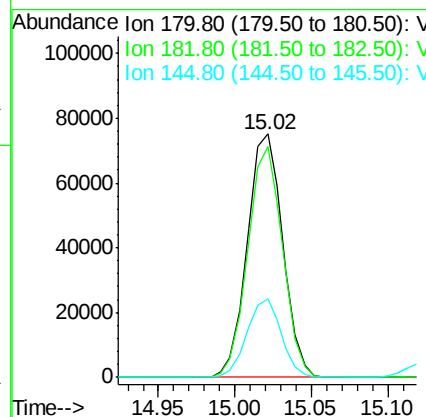
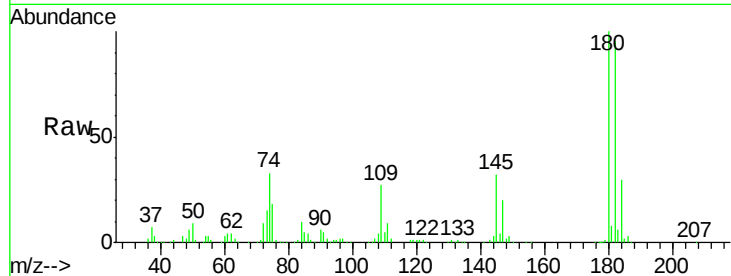
#93
 1,2,4-Trichlorobenzene
 Concen: 45.689 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120918		
182	93.2	46.9	140.7	
145	31.3	16.8	50.3	

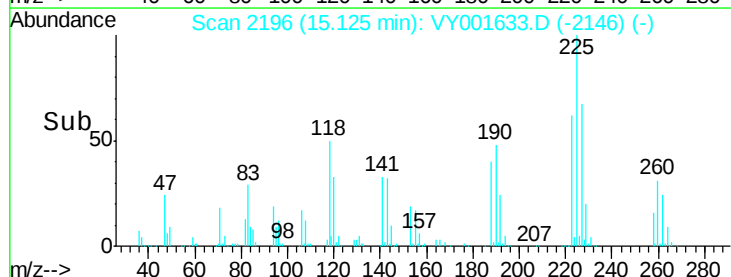
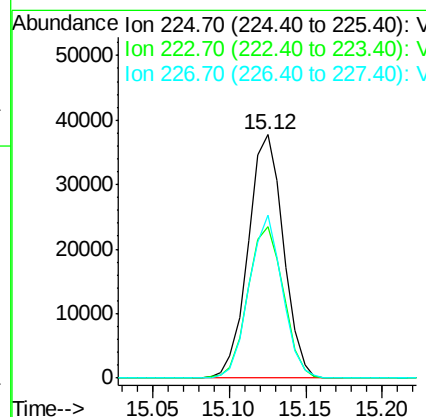
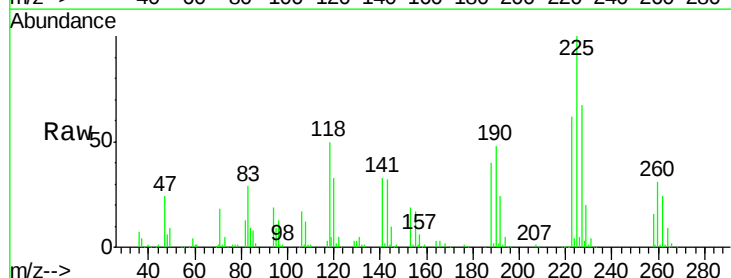
Manual Integrations
 APPROVED

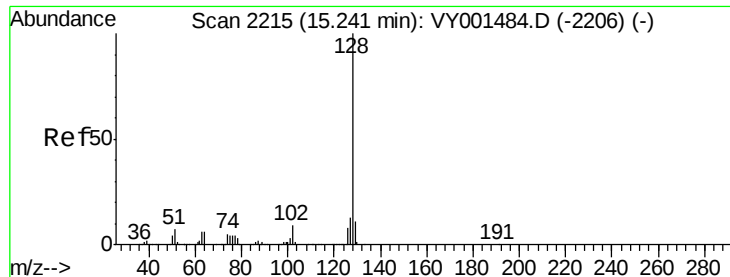
MMDadoda
 2/14/2020 5:27:18 PM



#94
 Hexachlorobutadiene
 Concen: 44.890 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001633.D
 Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60297		
223	63.2	31.9	95.7	
227	63.4	32.6	97.7	





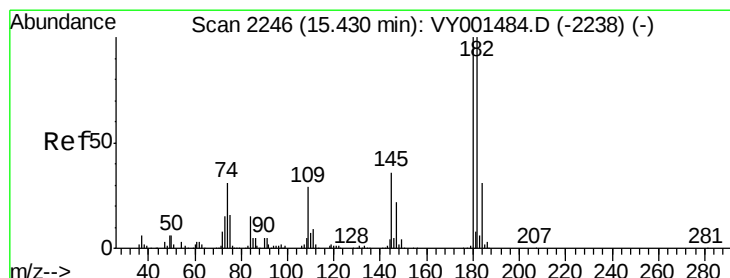
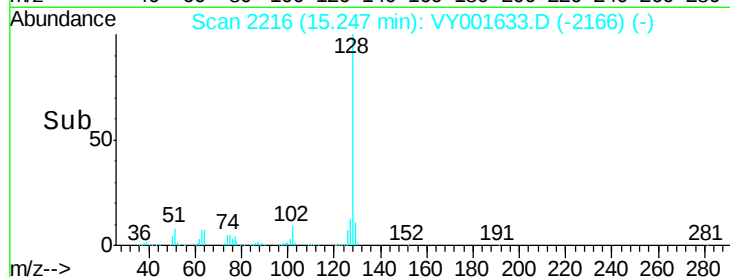
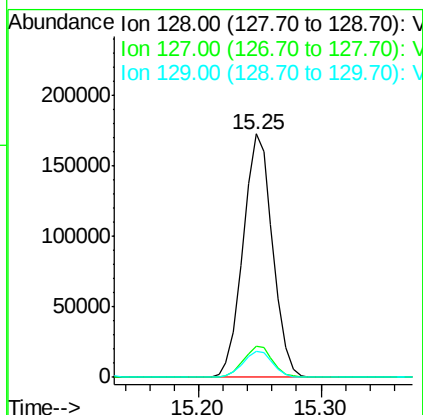
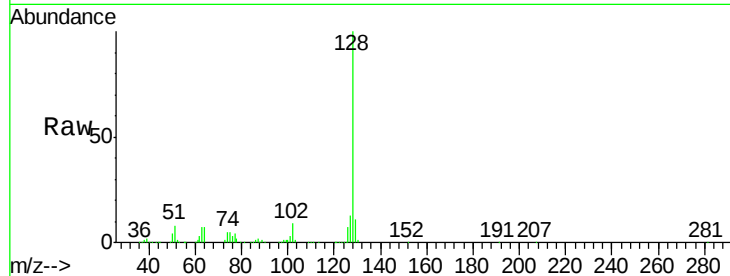
#95
Naphthalene
Concen: 46.424 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:27:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.799 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001633.D
Acq: 13 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	34.0	17.8	53.5

