

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
 Data File : VY001950.D
 Acq On : 11 Mar 2020 18:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:46:21 PM

Quant Time: Mar 12 09:36:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	190463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	302059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	136475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	105104	51.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.74	113	99958	53.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.19	98	394684	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.49	95	140408	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	75345	42.856	ug/l	97
3) Chloromethane	2.12	50	91421	38.569	ug/l	98
4) Vinyl Chloride	2.26	62	96642	40.083	ug/l	97
5) Bromomethane	2.66	94	63862	44.733	ug/l	95
6) Chloroethane	2.80	64	62047	40.967	ug/l	94
7) Trichlorofluoromethane	3.14	101	161165	49.288	ug/l	96
8) Diethyl Ether	3.55	74	62089	48.178	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.91	101	98571	46.869	ug/l	96
10) Methyl Iodide	4.11	142	125815	51.730	ug/l	99
11) Tert butyl alcohol	4.98	59	60478	289.373	ug/l	99
12) 1,1-Dichloroethene	3.89	96	102102	48.216	ug/l	93
13) Acrolein	3.75	56	57647	201.754	ug/l	97
14) Allyl chloride	4.50	41	155168	41.333	ug/l	93
15) Acrylonitrile	5.19	53	148125	215.093	ug/l	100
16) Acetone	3.97	43	111697	188.606	ug/l	95
17) Carbon Disulfide	4.21	76	305360	42.896	ug/l	100
18) Methyl Acetate	4.50	43	62691	41.199	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	279366	48.682	ug/l	98
20) Methylene Chloride	4.74	84	113013	44.525	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	112542	46.823	ug/l	98
22) Diisopropyl ether	6.14	45	320109	41.598	ug/l #	97
23) Vinyl Acetate	6.08	43	1073076	212.711	ug/l	95
24) 1,1-Dichloroethane	6.04	63	184130	44.185	ug/l	96
25) 2-Butanone	7.01	43	182125	202.224	ug/l	91
26) 2,2-Dichloropropane	7.00	77	163445	47.786	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	125742	48.094	ug/l	96
28) Bromochloromethane	7.36	49	78401	41.739	ug/l #	81
29) Tetrahydrofuran	7.36	42	120189	200.964	ug/l	91
30) Chloroform	7.53	83	187290	47.836	ug/l	97
31) Cyclohexane	7.80	56	175648	39.311	ug/l	92
32) 1,1,1-Trichloroethane	7.72	97	164528	49.859	ug/l	98
36) 1,1-Dichloropropene	7.94	75	148033	45.362	ug/l	97
37) Ethyl Acetate	7.10	43	82282	43.382	ug/l	96
38) Carbon Tetrachloride	7.92	117	141701	50.830	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	198105	45.769	ug/l	98
40) Benzene	8.17	78	441603	45.655	ug/l	100
41) Methacrylonitrile	7.34	41	42657m	49.974	ug/l	
42) 1,2-Dichloroethane	8.25	62	123833	49.682	ug/l	99
43) Isopropyl Acetate	8.29	43	158048	44.013	ug/l	98
44) Trichloroethene	8.96	130	117006	49.669	ug/l	91
45) 1,2-Dichloropropane	9.23	63	107623	44.261	ug/l	99
46) Dibromomethane	9.32	93	60348	48.161	ug/l	97
47) Bromodichloromethane	9.51	83	144047	49.419	ug/l	97
48) Methyl methacrylate	9.30	41	72756	45.660	ug/l	92
49) 1,4-Dioxane	9.31	88	16393	954.764	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	405797	219.397	ug/l	99
52) Toluene	10.25	92	278747	47.438	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	156989	49.436	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	178849	47.309	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	89425	48.765	ug/l	94
56) Ethyl methacrylate	10.52	69	129158	48.052	ug/l	97
57) 1,3-Dichloropropane	10.80	76	150350	45.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	199799	207.122	ug/l	93
59) 2-Hexanone	10.84	43	284293	215.347	ug/l	99
60) Dibromochloromethane	10.99	129	100571	52.046	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84334	48.550	ug/l	100
64) Tetrachloroethene	10.73	164	94224	49.742	ug/l	96
65) Chlorobenzene	11.52	112	292741	48.639	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	101587	51.470	ug/l	98
67) Ethyl Benzene	11.60	91	534337	47.603	ug/l	99
68) m/p-Xylenes	11.70	106	401502	96.750	ug/l	99
69) o-Xylene	12.03	106	189158	48.361	ug/l	99
70) Styrene	12.05	104	330748	49.372	ug/l	99
71) Bromoform	12.21	173	58300	54.467	ug/l #	99
73) Isopropylbenzene	12.33	105	510953	49.044	ug/l	100
74) N-amyl acetate	12.15	43	145491	45.439	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	103907	46.250	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	71924m	44.415	ug/l	
77) Bromobenzene	12.61	156	112005	50.743	ug/l	94
78) n-propylbenzene	12.67	91	611606	47.585	ug/l	98
79) 2-Chlorotoluene	12.76	91	345671	48.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	435468	50.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	37798	47.148	ug/l	97
82) 4-Chlorotoluene	12.86	91	357261	48.321	ug/l	98
83) tert-Butylbenzene	13.08	119	352584	49.495	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	440012	51.696	ug/l	99
85) sec-Butylbenzene	13.26	105	510629	48.631	ug/l	99
86) p-Isopropyltoluene	13.38	119	448318	49.496	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	213742	49.416	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	214193	48.813	ug/l	99
89) n-Butylbenzene	13.70	91	439893	46.811	ug/l	99
90) Hexachloroethane	13.97	117	84652	49.541	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	194706	49.549	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17344	49.473	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	126250	49.542	ug/l	99
94) Hexachlorobutadiene	15.12	225	62543	50.339	ug/l	98
95) Naphthalene	15.24	128	296712	49.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	109157	48.623	ug/l	99

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

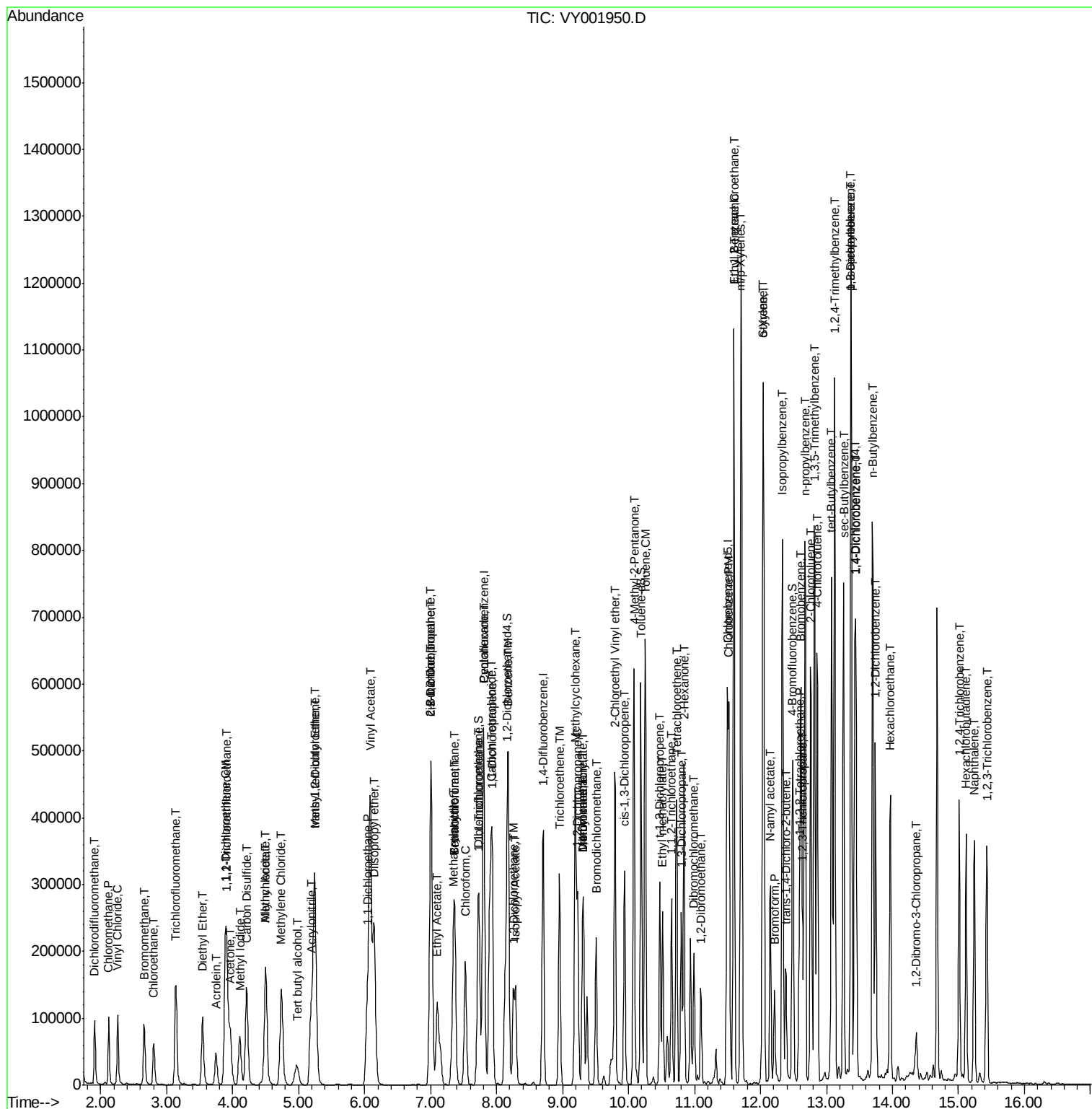
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 190463

Ion Ratio Lower Upper

168 100

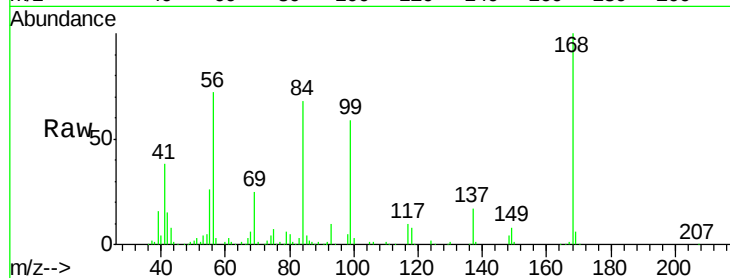
99 58.7 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

80000

60000

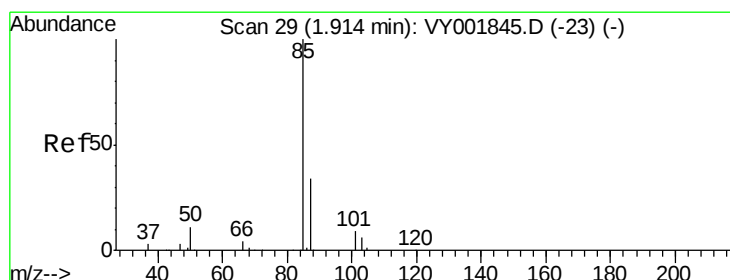
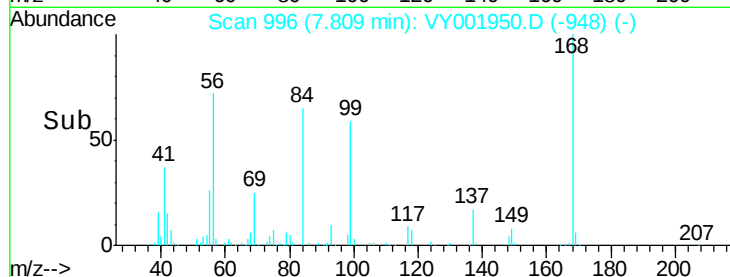
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 42.856 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001950.D

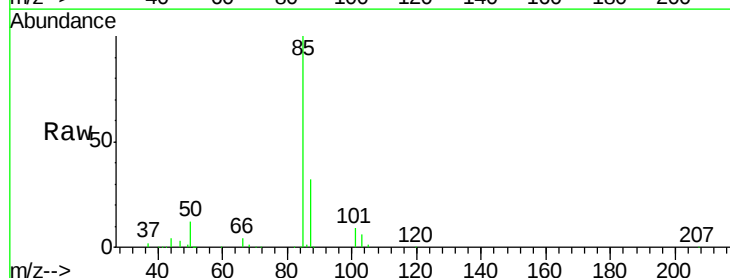
Acq: 11 Mar 2020 18:13

Tgt Ion: 85 Resp: 75345

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

60000

50000

40000

30000

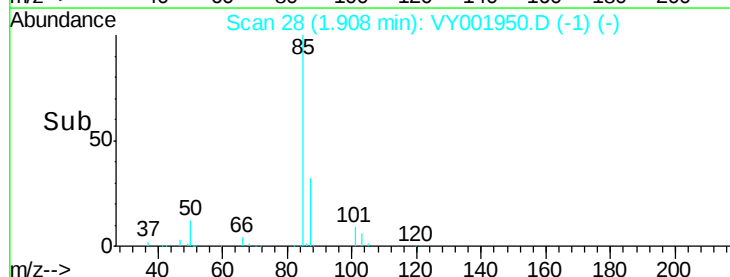
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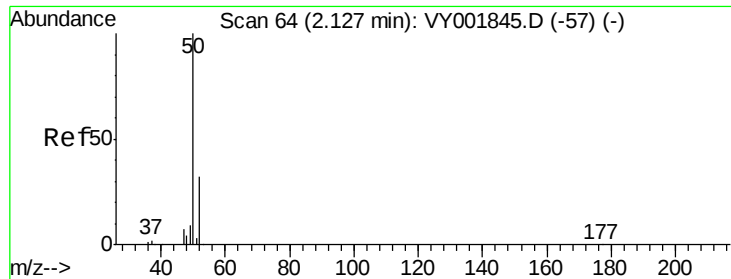
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 38.569 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 91421

Ion Ratio Lower Upper

50 100

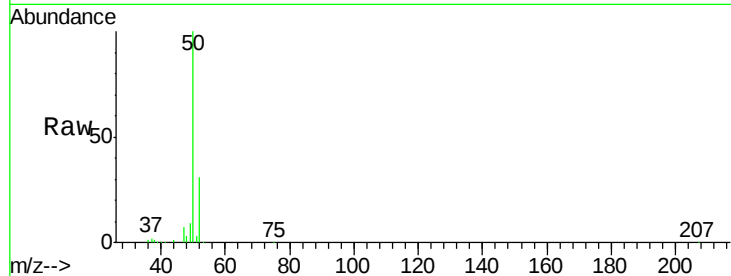
52 31.3 25.8 38.6

Manual Integrations

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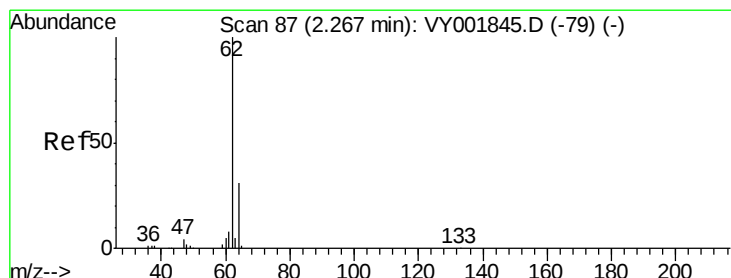
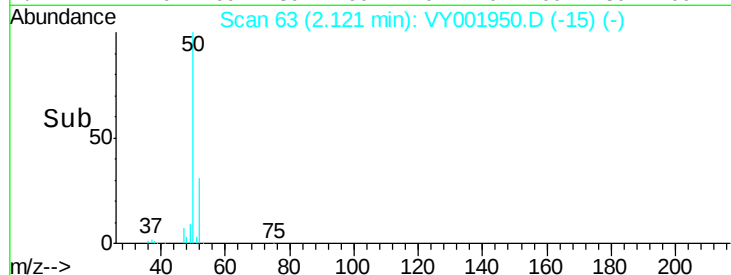
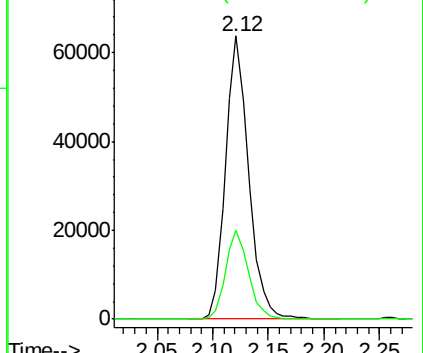
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 40.083 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001950.D

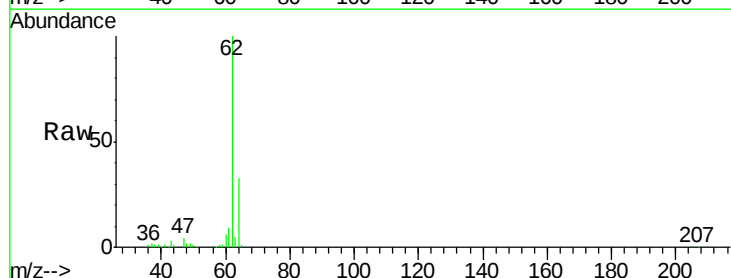
Acq: 11 Mar 2020 18:13

Tgt Ion: 62 Resp: 96642

Ion Ratio Lower Upper

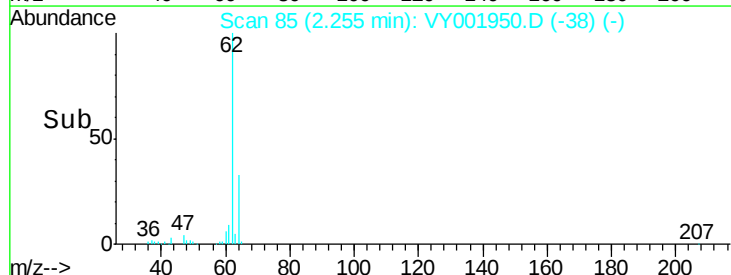
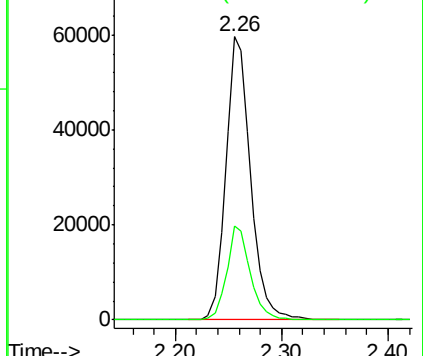
62 100

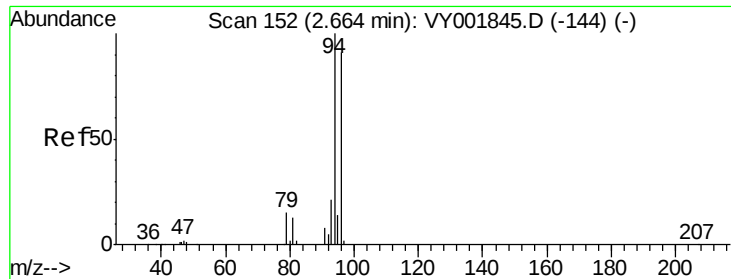
64 33.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 44.733 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63862

Ion Ratio Lower Upper

94 100

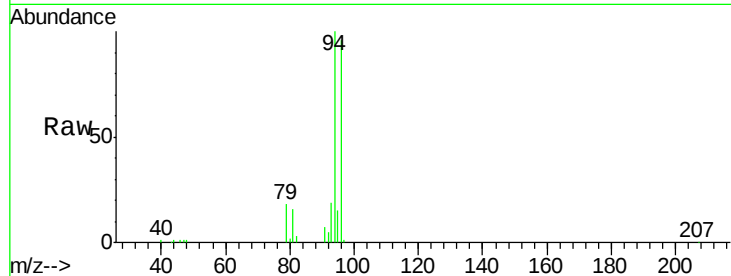
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Manual Integrations

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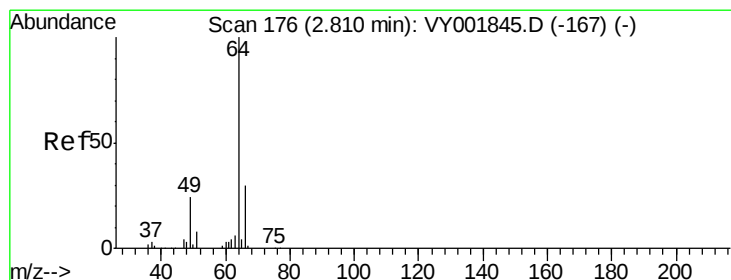
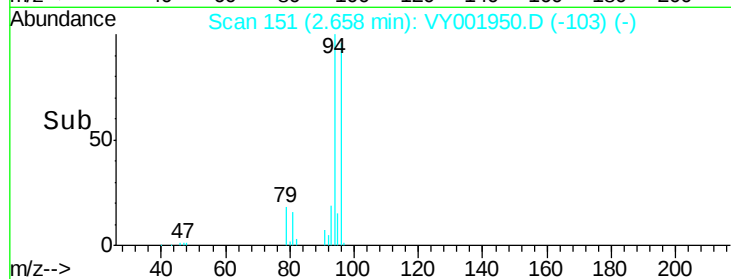
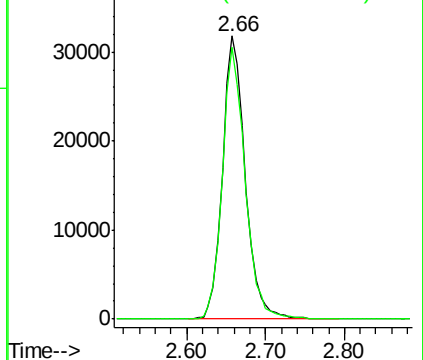
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 40.967 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001950.D

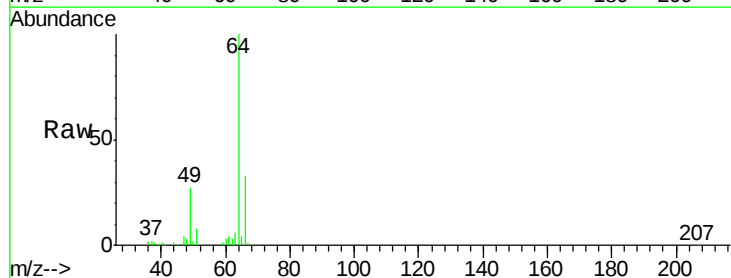
Acq: 11 Mar 2020 18:13

Tgt Ion: 64 Resp: 62047

Ion Ratio Lower Upper

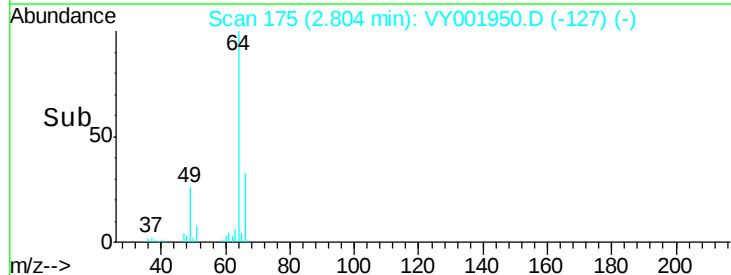
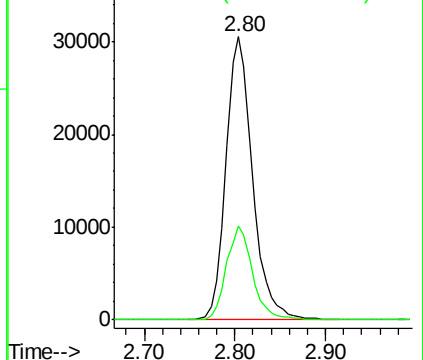
64 100

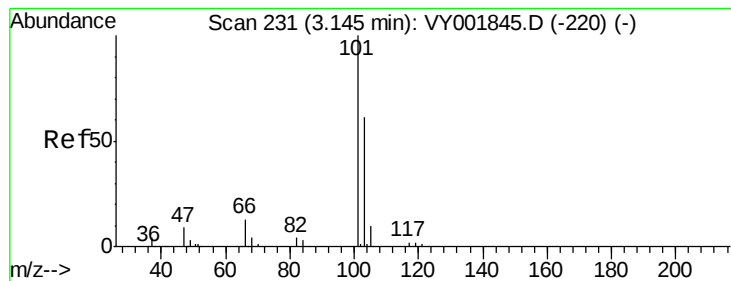
66 33.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

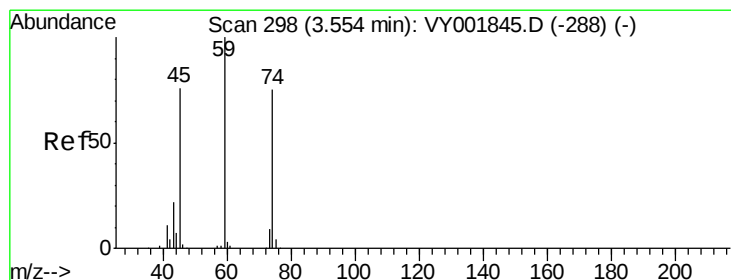
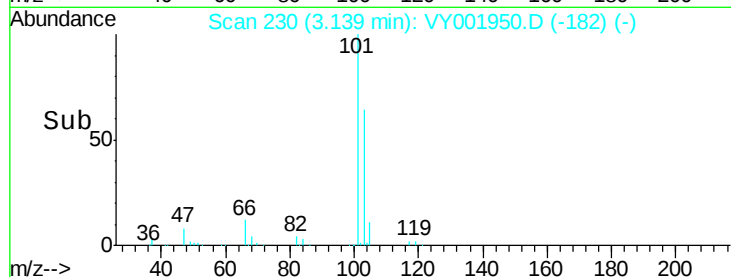
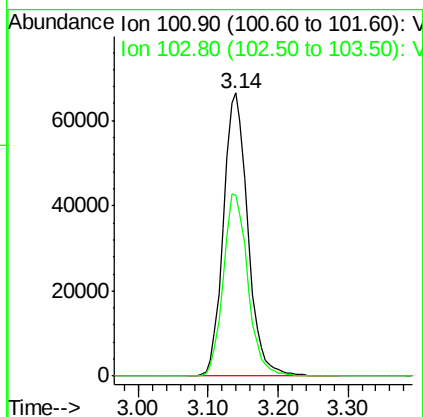
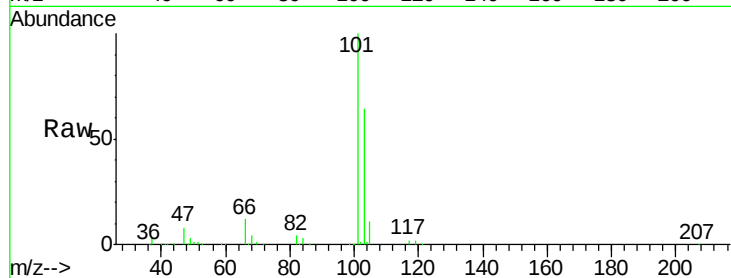
Trichlorofluoromethane
 Concen: 49.288 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.1	73.7

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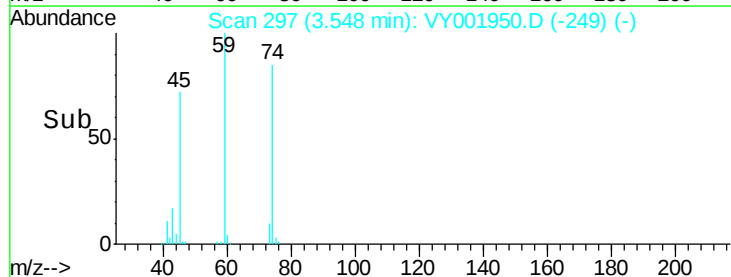
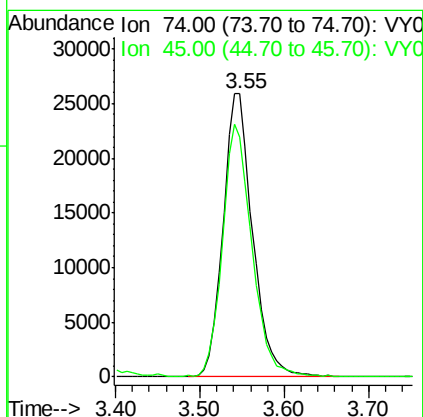
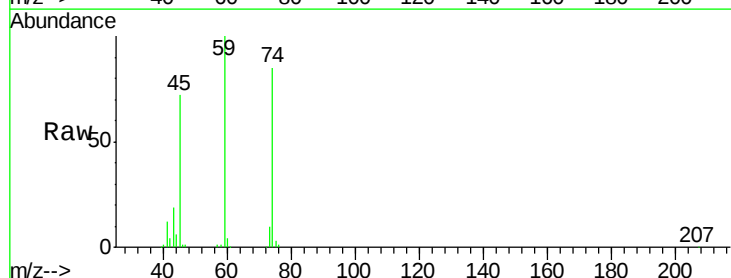
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 3/12/2020 2:46:21 PM



#8

Diethyl Ether
 Concen: 48.178 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001950.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.869 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

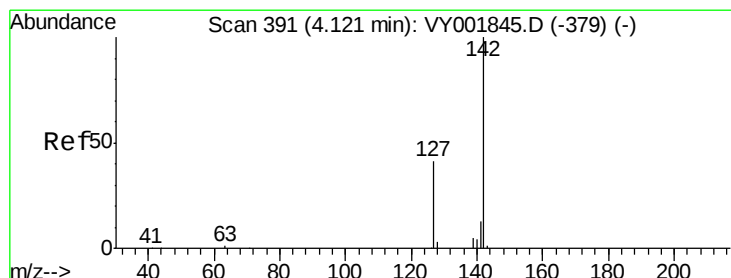
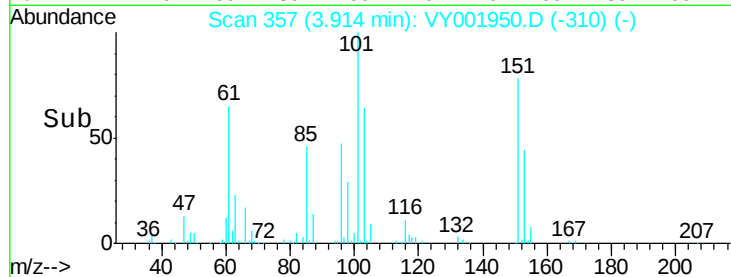
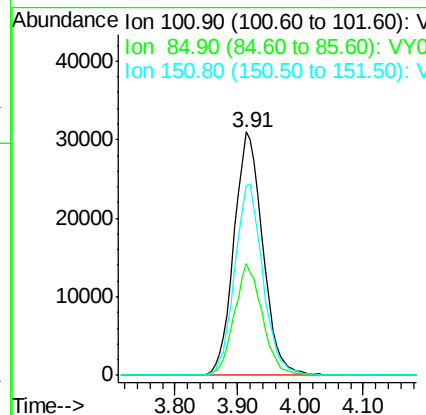
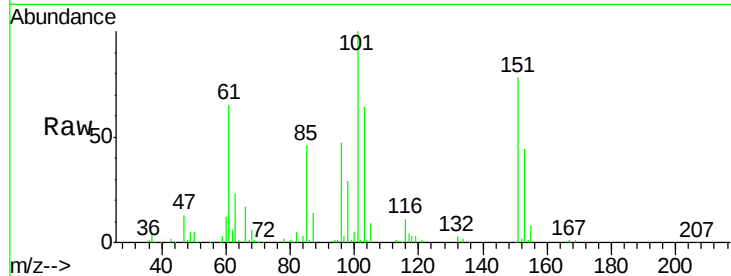
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98571
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.3	52.9
151	76.9	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 51.730 ug/l

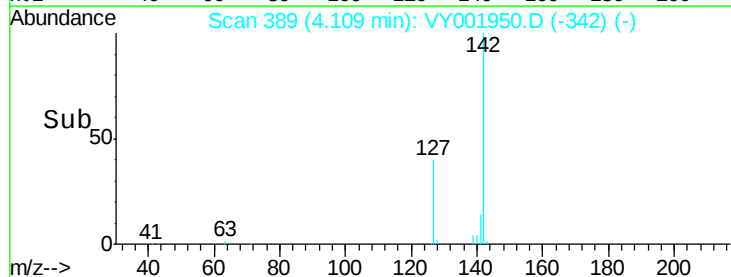
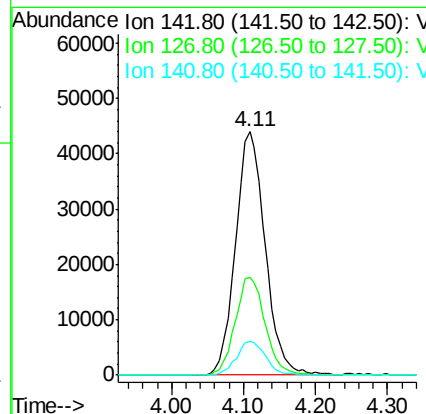
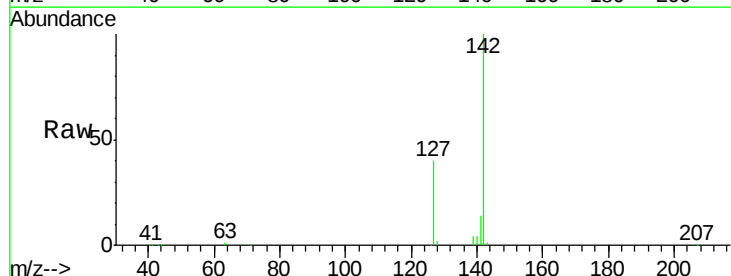
RT: 4.11 min Scan# 389

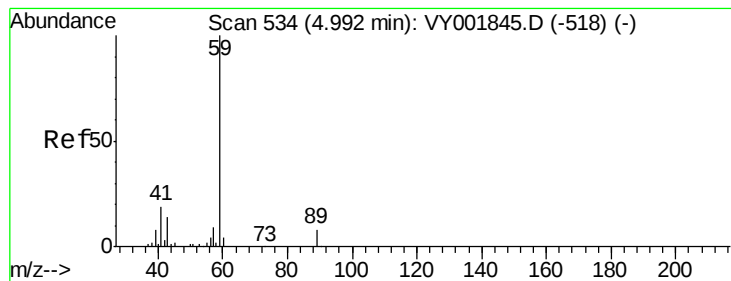
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	142	Resp:	125815
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.7	49.1
141	13.8	11.0	16.6





#11

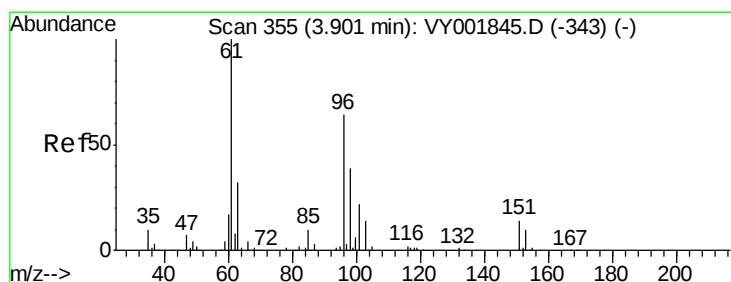
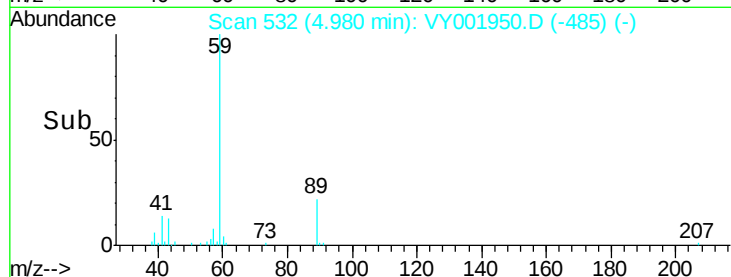
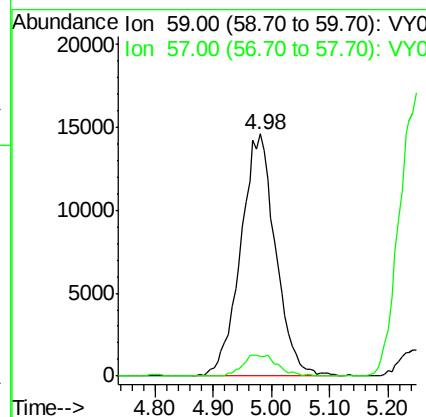
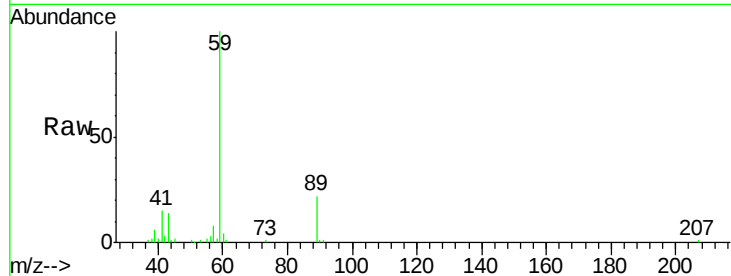
Tert butyl alcohol
 Concen: 289.373 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	60478
Ion Ratio	100	Lower	Upper
57	8.8	7.4	11.2

Manual Integrations
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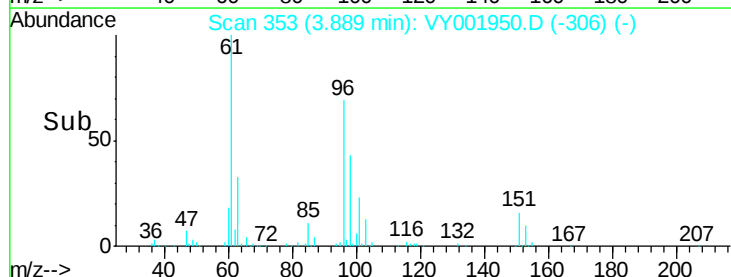
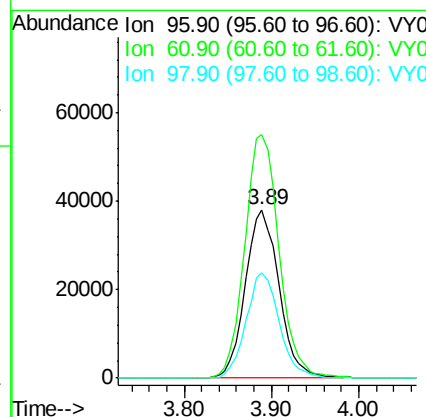
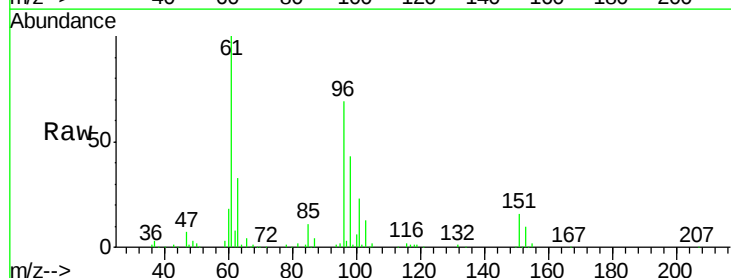
MMDadoda
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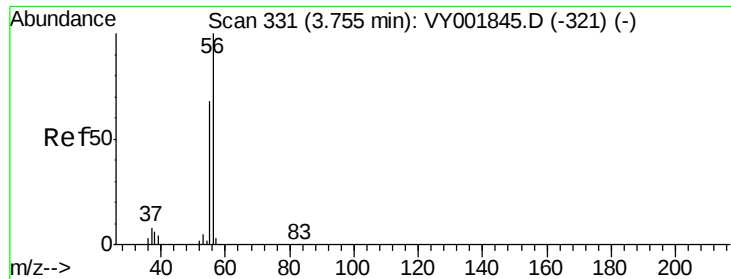


#12

1,1-Dichloroethene
 Concen: 48.216 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	96	Resp	102102
Ion Ratio	100	Lower	Upper
61	144.3	124.8	187.2
98	62.2	49.2	73.8





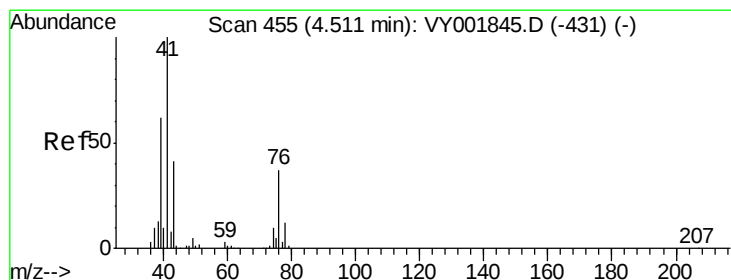
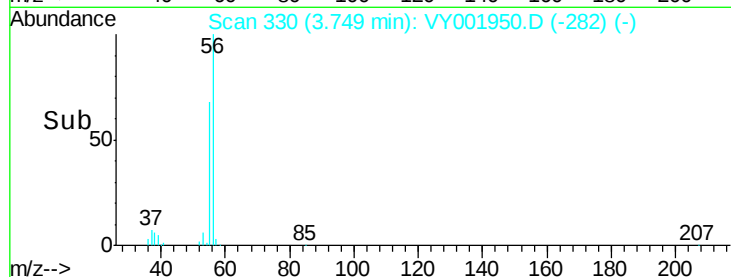
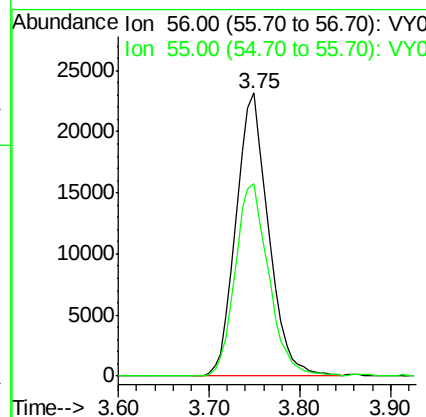
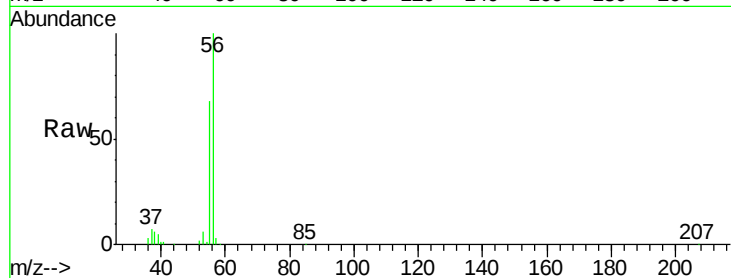
#13
Acrolein
Concen: 201.754 ug/l
RT: 3.75 min Scan# 330
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	54.0	81.0

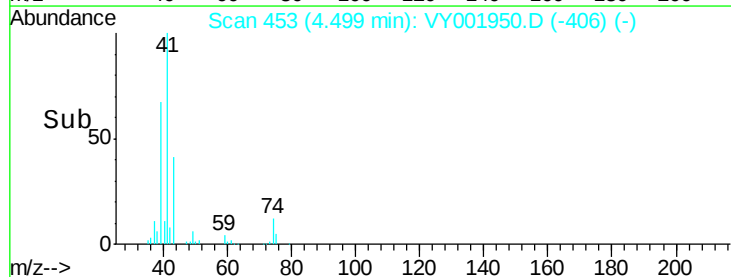
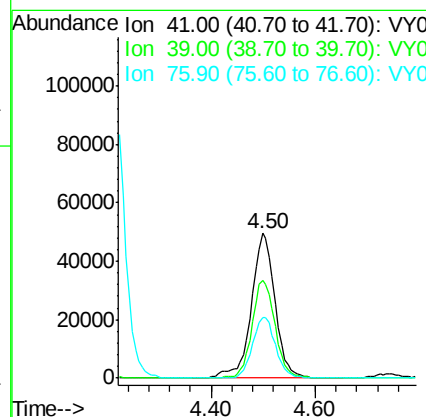
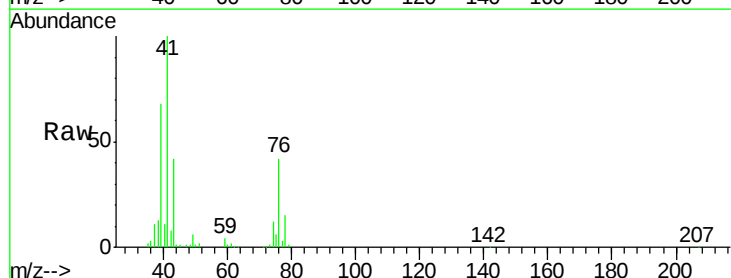
Manual Integrations
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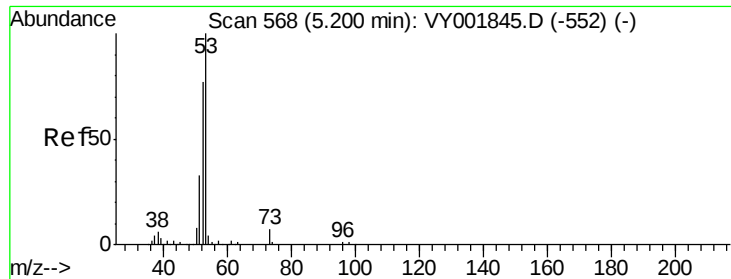
MMDadoda
3/12/2020 2:46:21 PM



#14
Allyl chloride
Concen: 41.333 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	49.0	73.6
76	40.7	28.9	43.3





#15

Acrylonitrile

Concen: 215.093 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

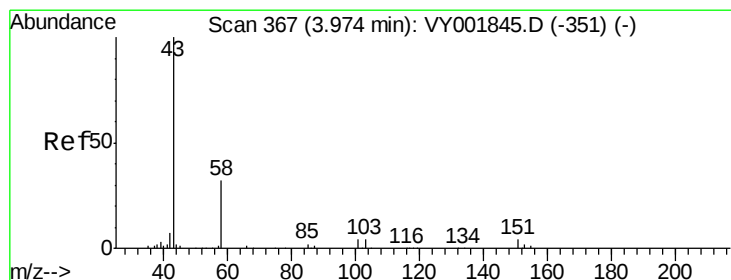
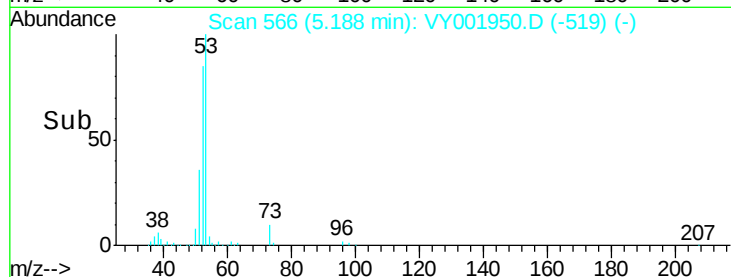
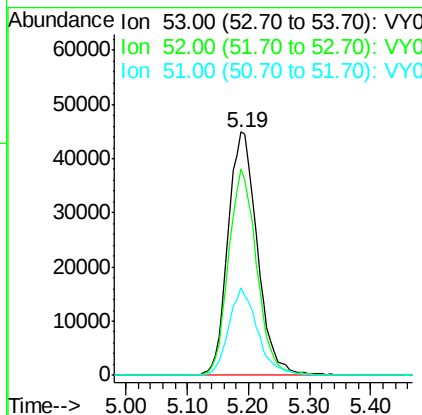
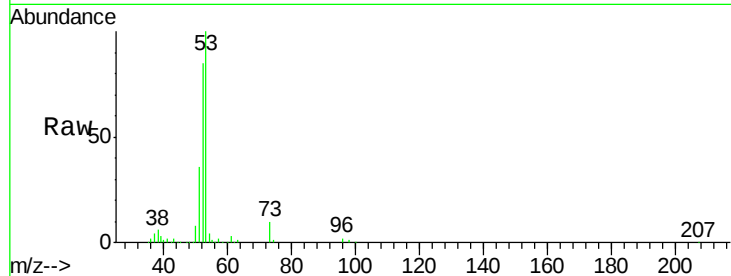
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	148125
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.1	97.7
51	35.1	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 188.606 ug/l

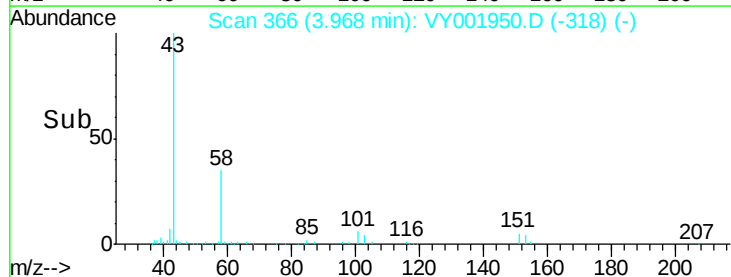
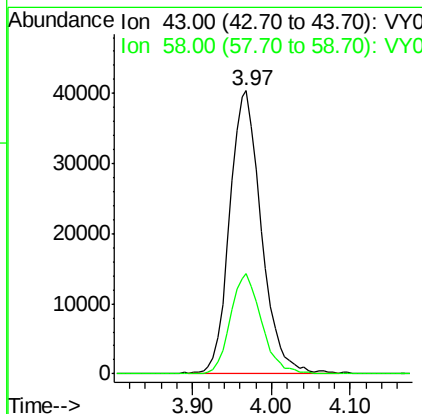
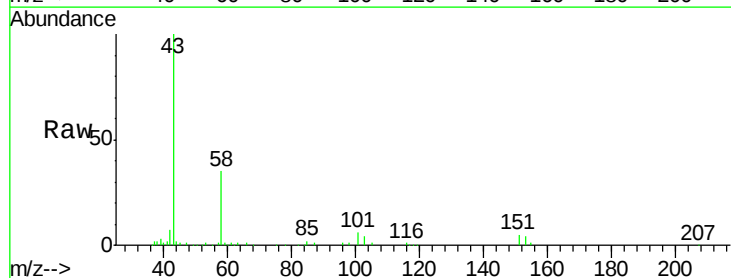
RT: 3.97 min Scan# 366

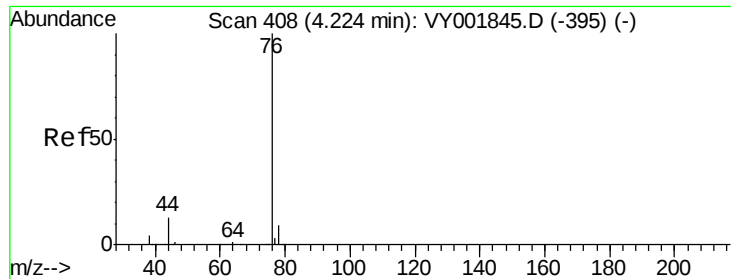
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	43	Resp:	111697
Ion Ratio	Lower	Upper	
43	100		
58	35.1	25.9	38.9





#17

Carbon Disulfide

Concen: 42.896 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 305360

Ion Ratio Lower Upper

76 100

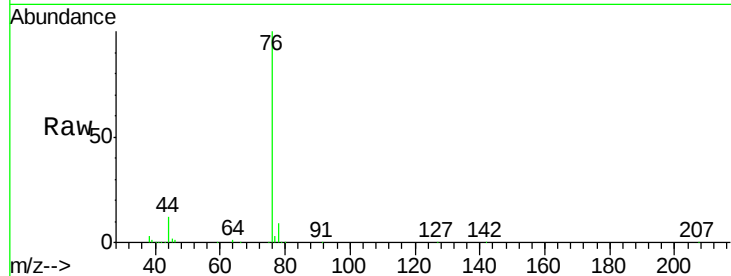
78 9.2 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY001845.D (-395) (-)

Ion 77.90 (77.60 to 78.60): VY001845.D (-395) (-)

4.21

120000

100000

80000

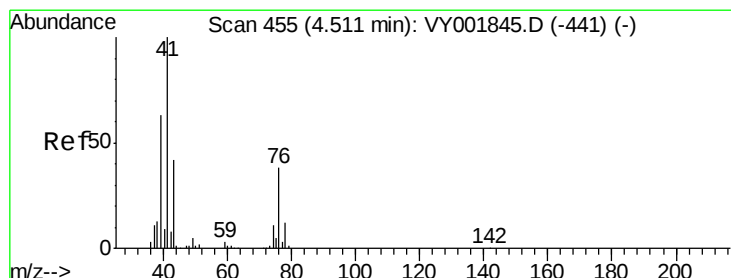
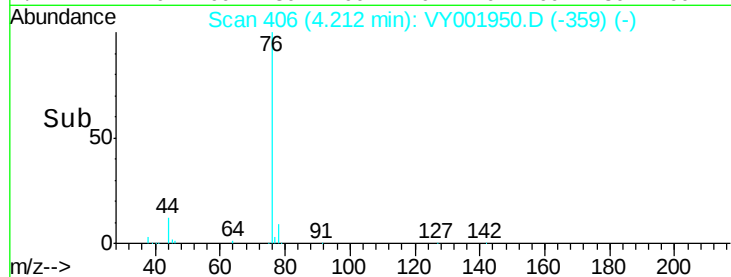
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 41.199 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001950.D

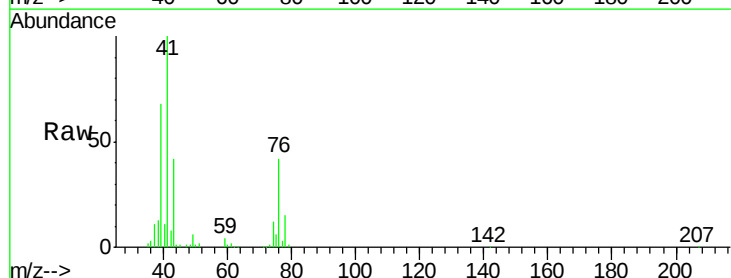
Acq: 11 Mar 2020 18:13

Tgt Ion: 43 Resp: 62691

Ion Ratio Lower Upper

43 100

74 26.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.30): VY001950.D (-406) (-)

Ion 74.00 (73.70 to 74.30): VY001950.D (-406) (-)

4.50

25000

20000

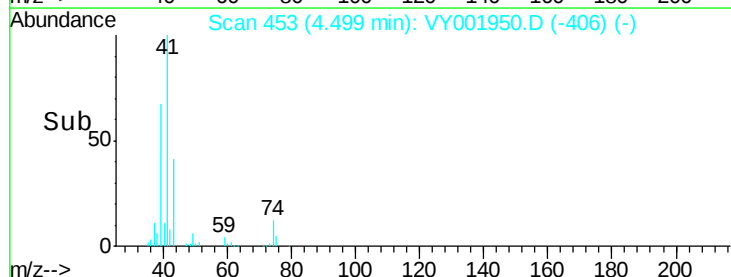
15000

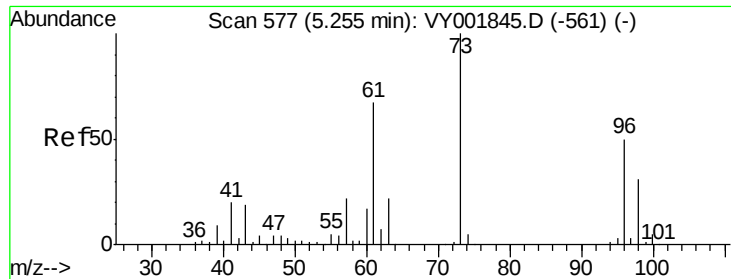
10000

5000

0

Time-->





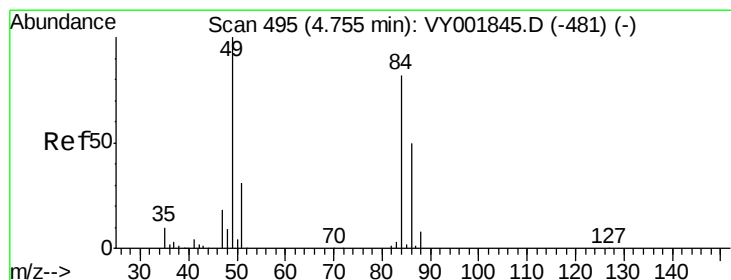
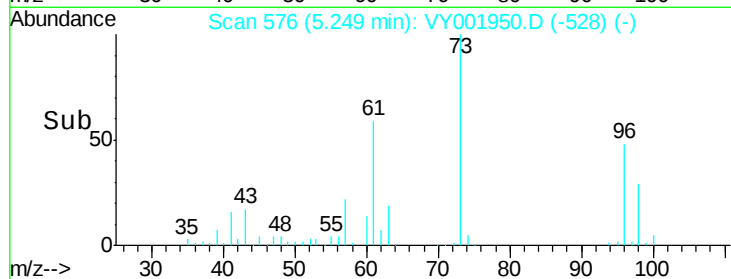
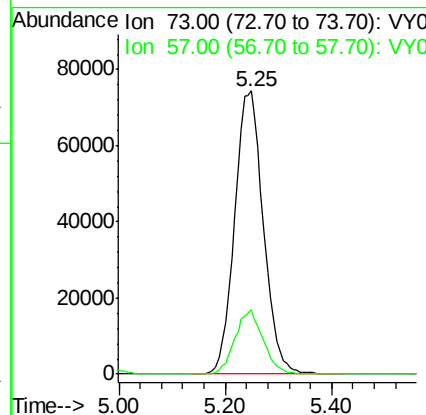
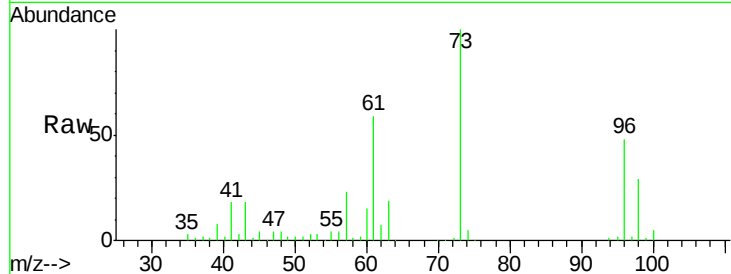
#19
Methvl tert-butvl Ether
Concen: 48.682 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 279366
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.2

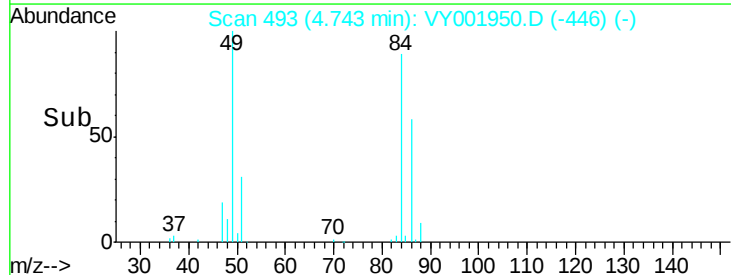
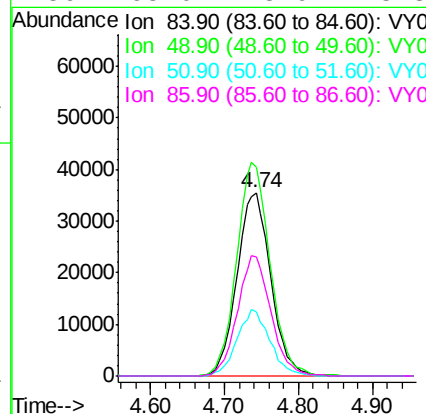
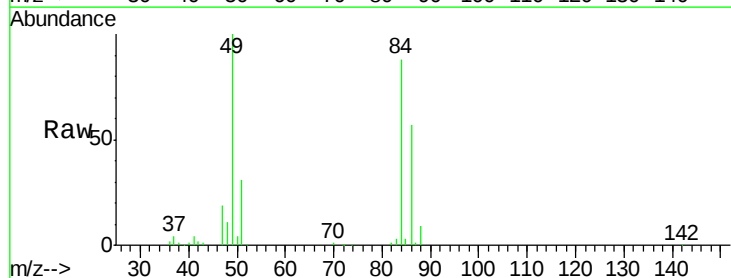
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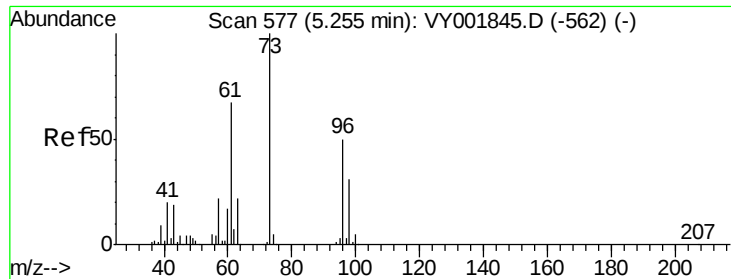
MMDadoda
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#20
Methylene Chloride
Concen: 44.525 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion: 84 Resp: 113013
Ion Ratio Lower Upper
84 100
49 113.4 98.2 147.2
51 34.6 30.2 45.2
86 65.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 46.823 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

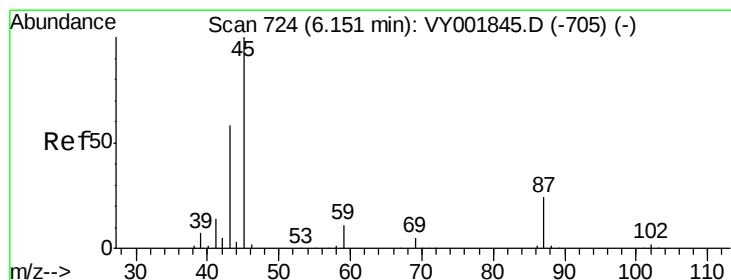
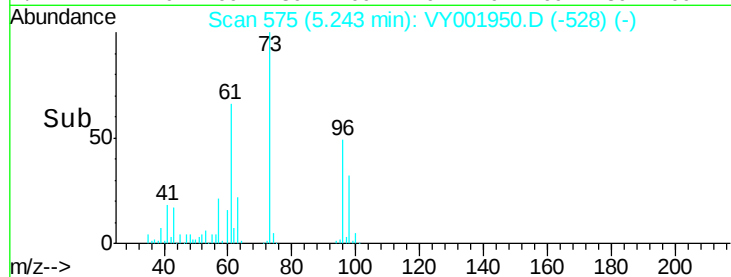
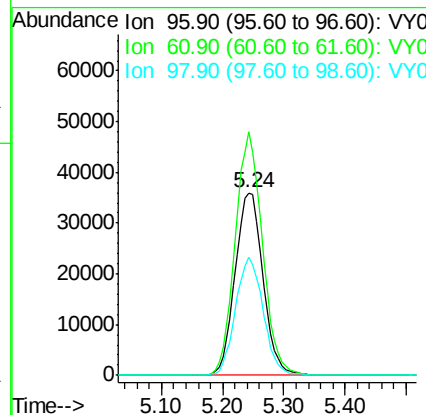
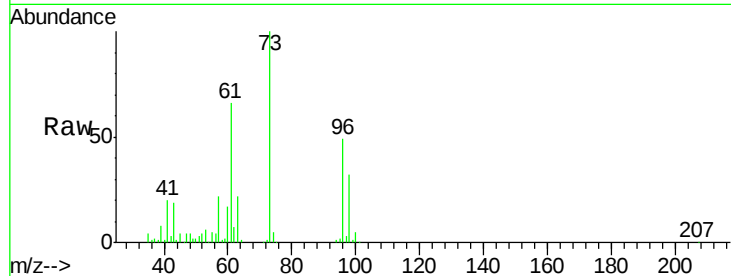
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	112542
Ion	Ratio	Lower	Upper
96	100		
61	133.3	107.7	161.5
98	64.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 41.598 ug/l

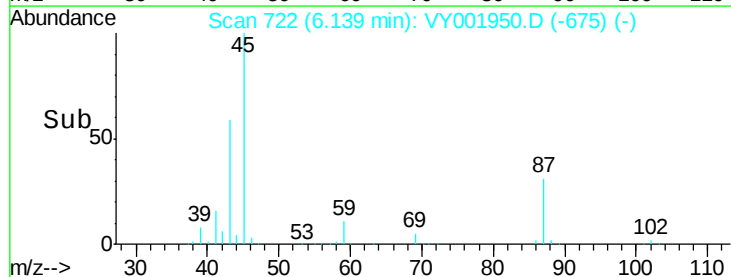
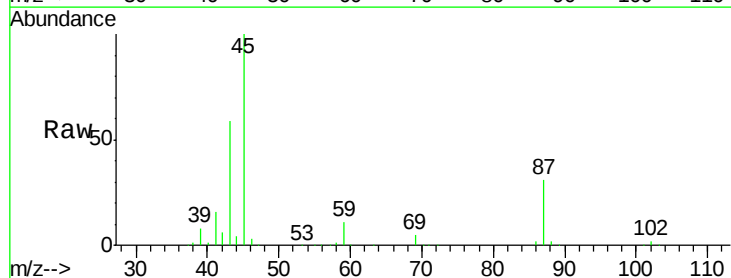
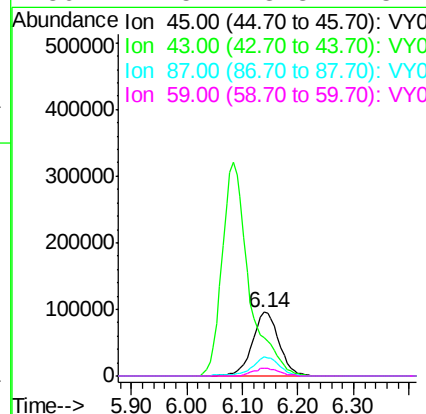
RT: 6.14 min Scan# 722

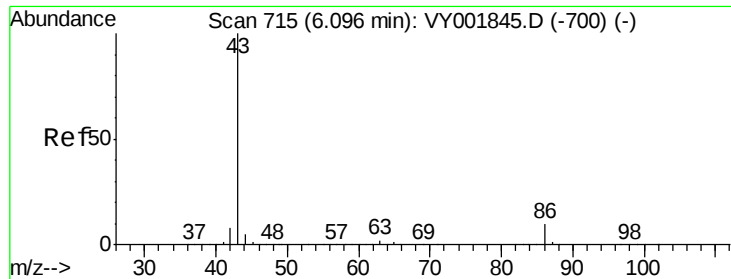
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	45	Resp:	320109
Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.2	70.8
87	30.5	19.8	29.8#
59	11.5	8.8	13.2





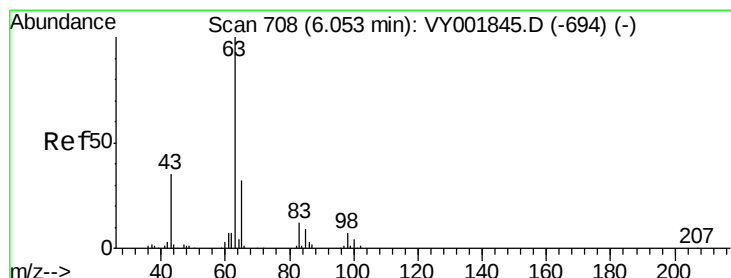
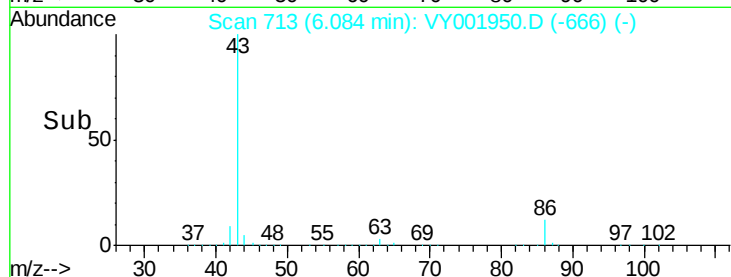
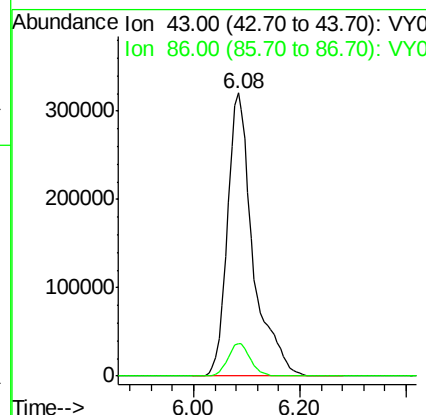
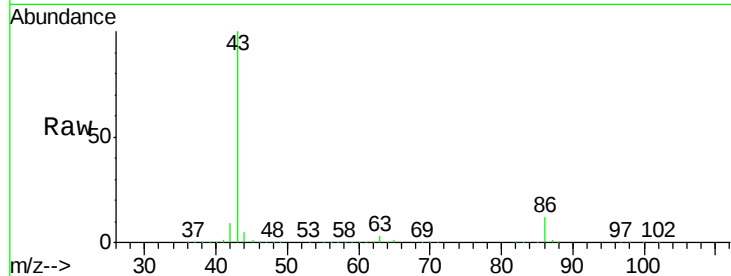
#23
 Vinyl Acetate
 Concen: 212.711 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1073076
 Ion Ratio Lower Upper
 43 100
 86 11.6 7.8 11.8

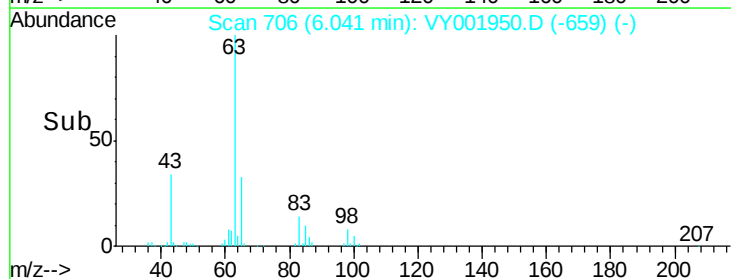
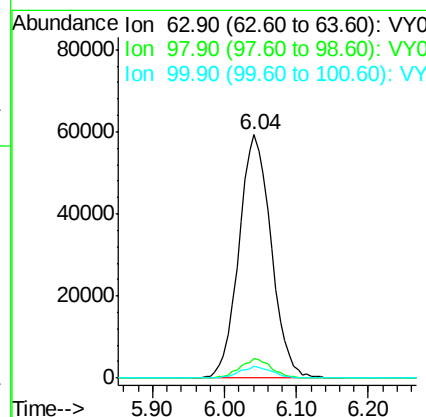
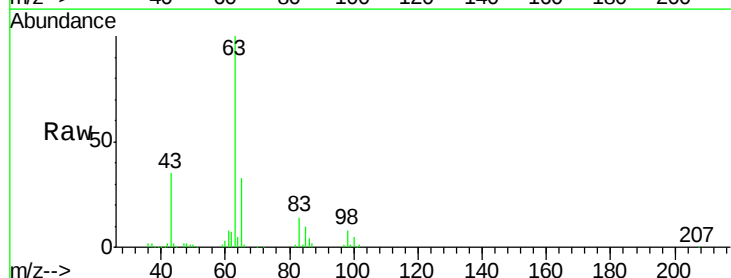
Manual Integrations
 APPROVED

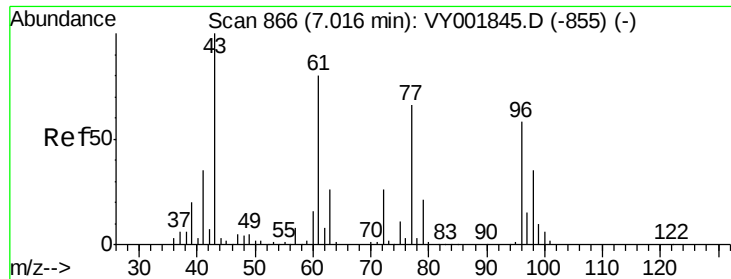
MMDadoda
 3/12/2020 2:46:21 PM



#24
 1,1-Dichloroethane
 Concen: 44.185 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion: 63 Resp: 184130
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.4 10.2
 100 4.8 2.0 6.0





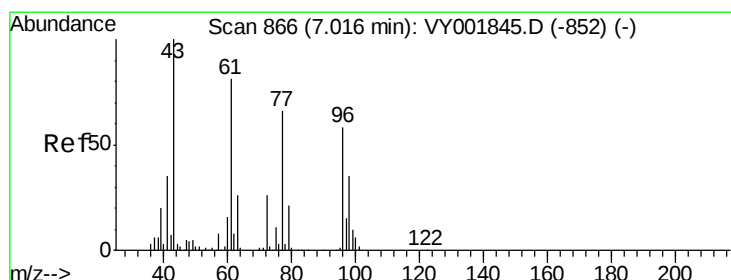
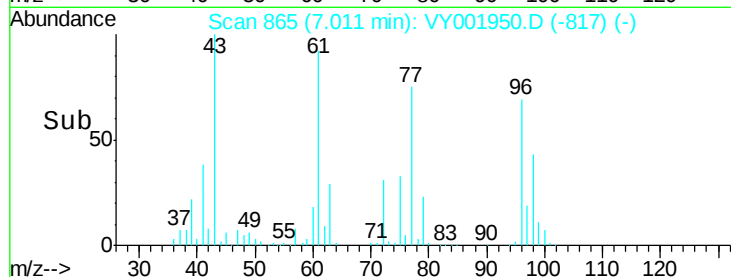
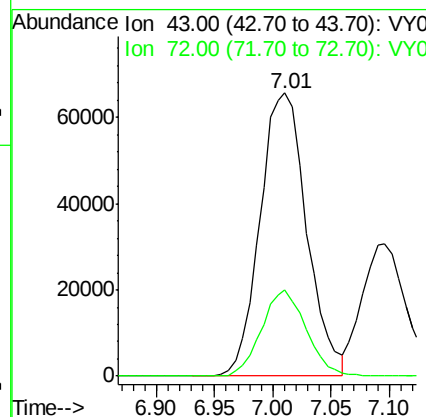
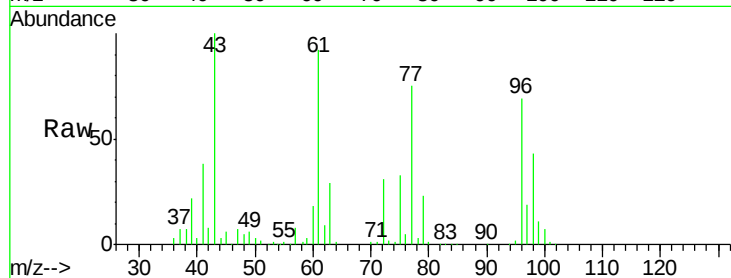
#25
2-Butanone
Concen: 202.224 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.5	20.9	31.3

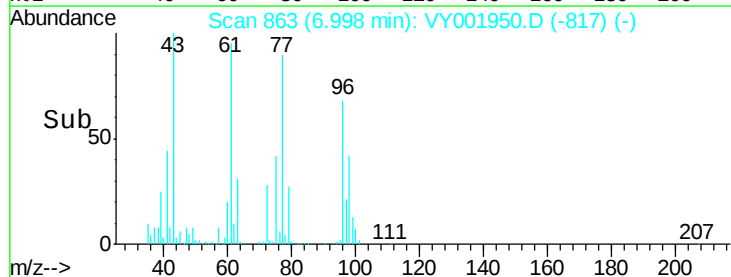
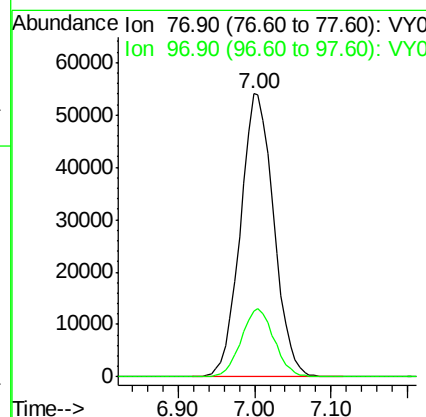
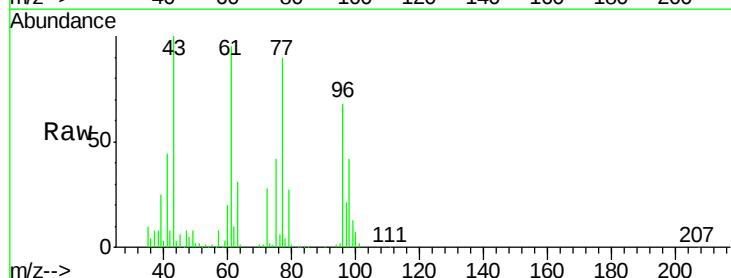
Manual Integrations
APPROVED

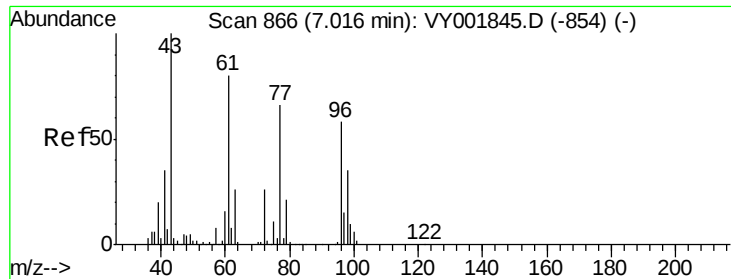
MMDadoda
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#26
2,2-Dichloropropane
Concen: 47.786 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.9	35.7





#27

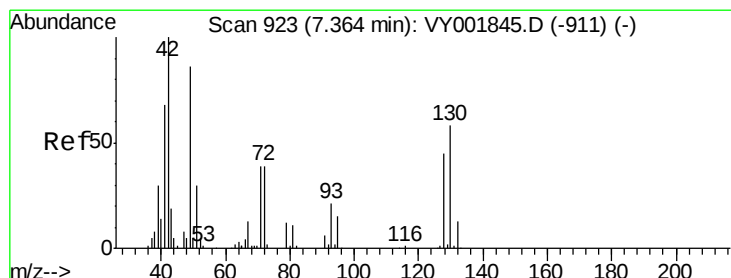
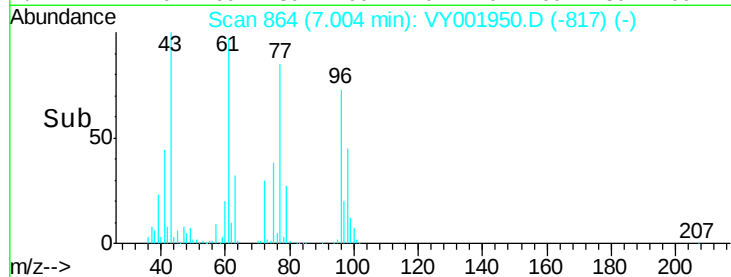
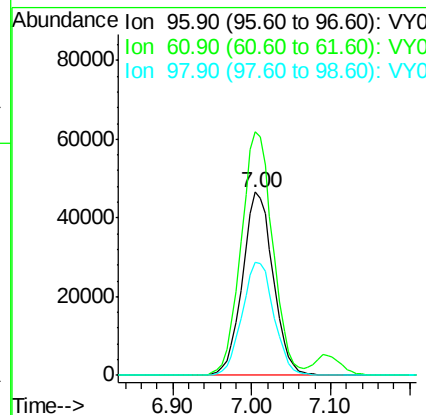
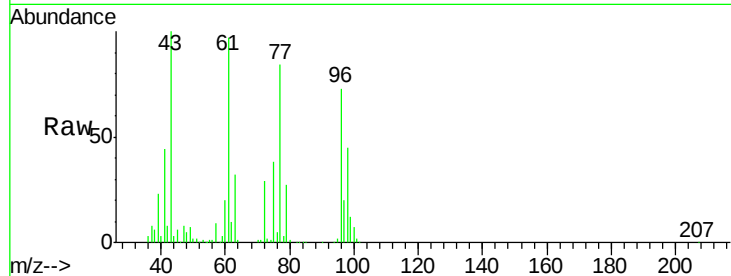
cis-1,2-Dichloroethene
Concen: 48.094 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125742		
61	137.2	0.0	288.2	
98	63.9	0.0	129.0	

Manual Integrations
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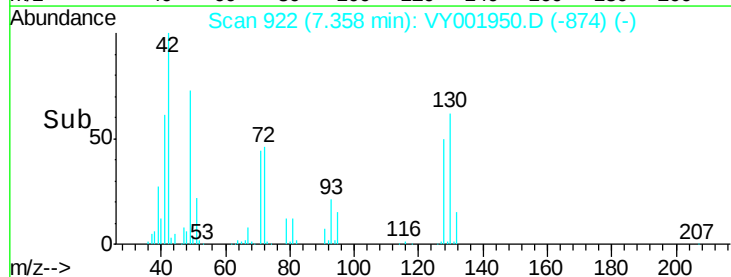
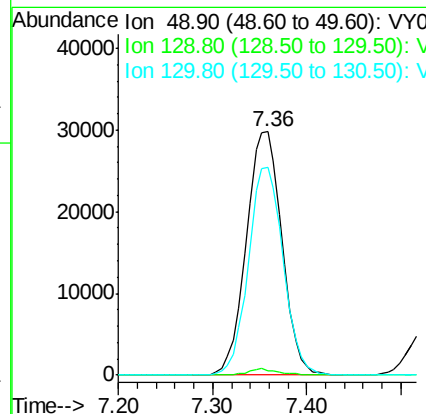
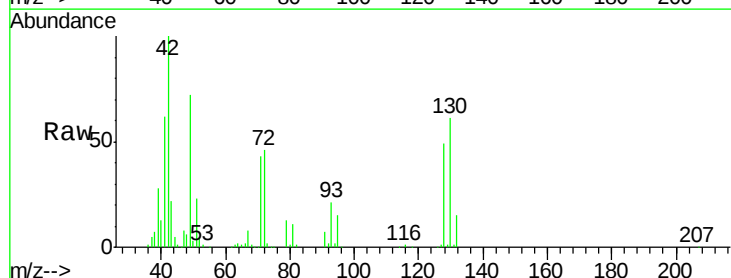
MMDadoda
3/12/2020 2:46:21 PM

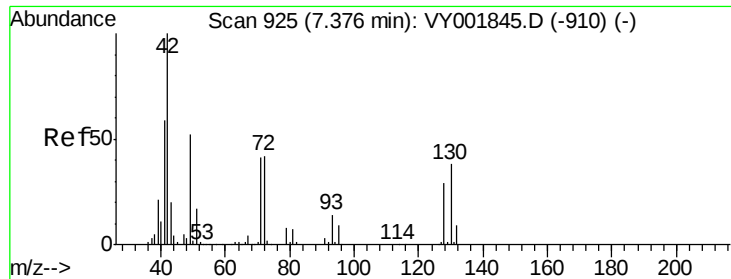


#28

Bromochloromethane
Concen: 41.739 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78401		
129	2.2	0.0	3.8	
130	83.6	54.4	81.6#	





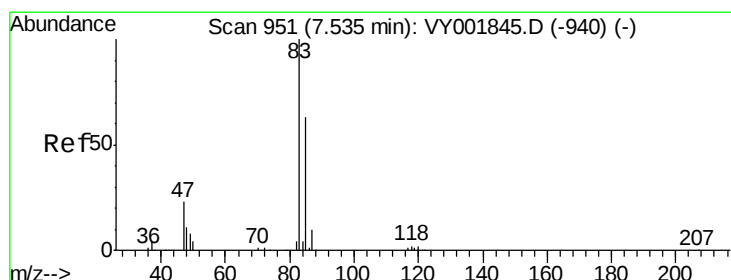
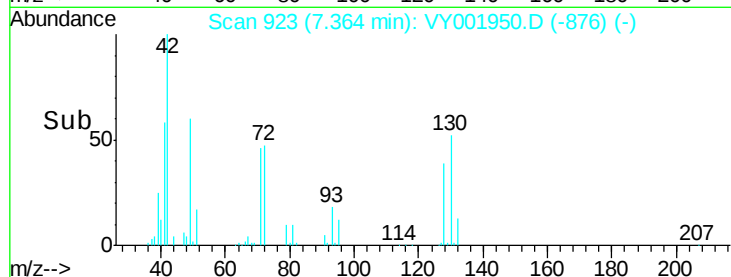
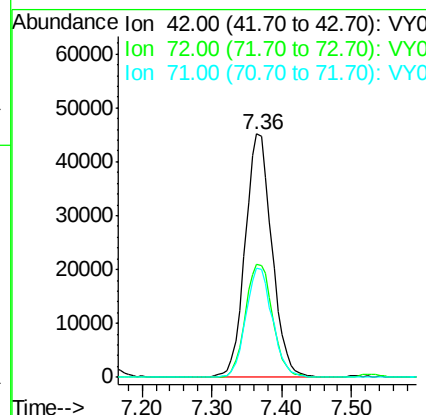
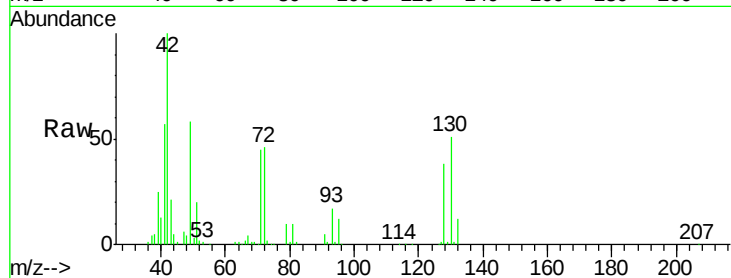
#29
Tetrahydrofuran
Concen: 200.964 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	33.5	50.3
71	44.5	31.3	46.9

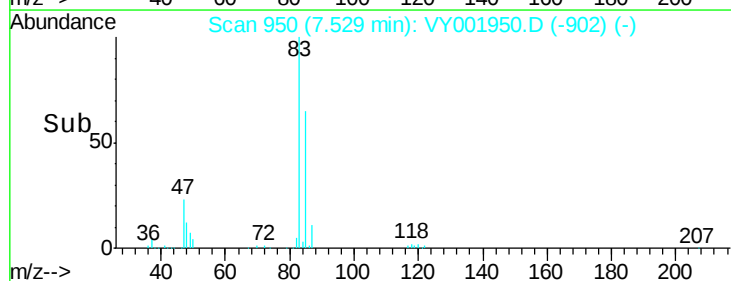
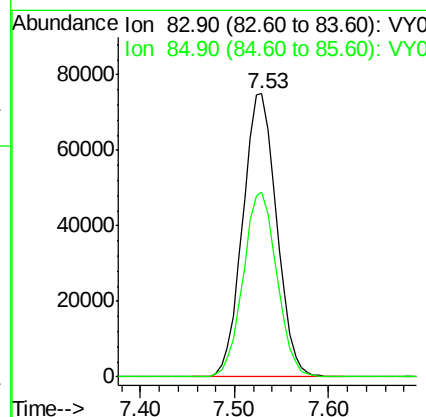
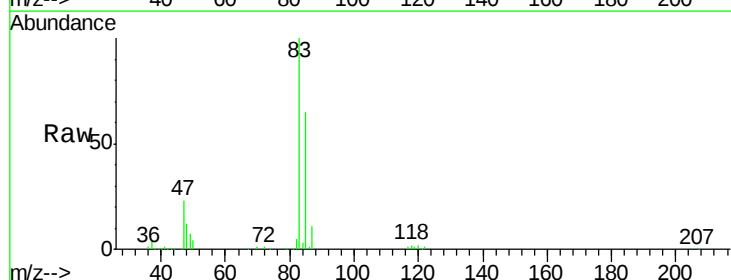
Manual Integrations
APPROVED

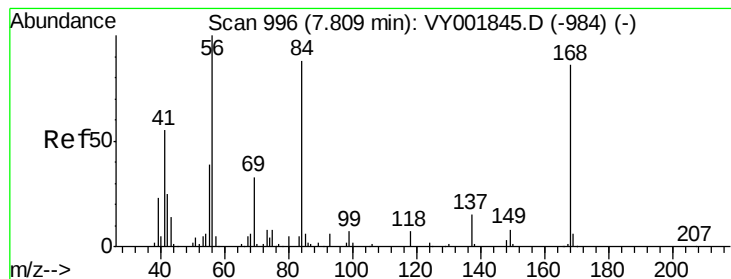
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#30
Chloroform
Concen: 47.836 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1





#31

Cyclohexane

Concen: 39.311 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 175648

Ion Ratio Lower Upper

56 100

69 36.8 26.7 40.1

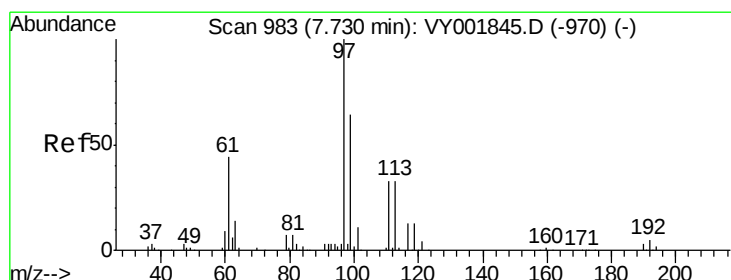
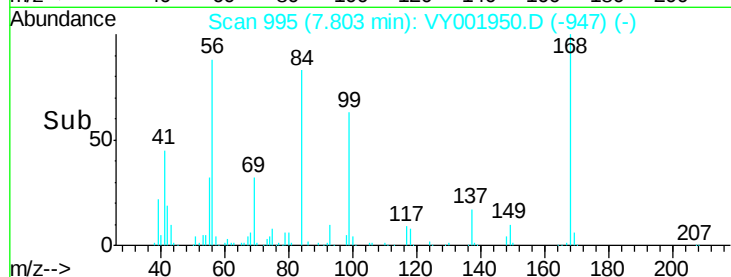
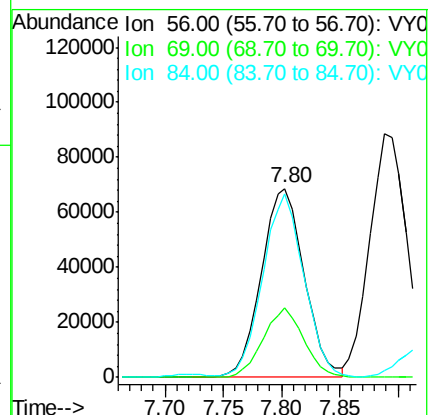
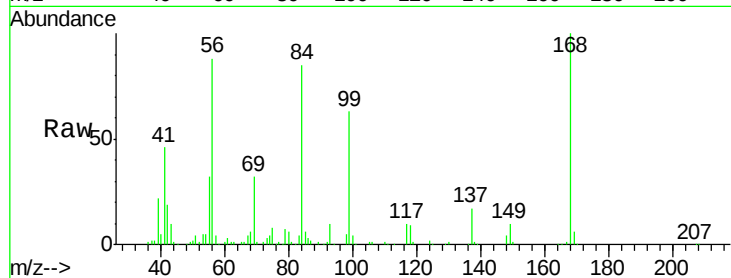
84 95.9 70.4 105.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 49.859 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

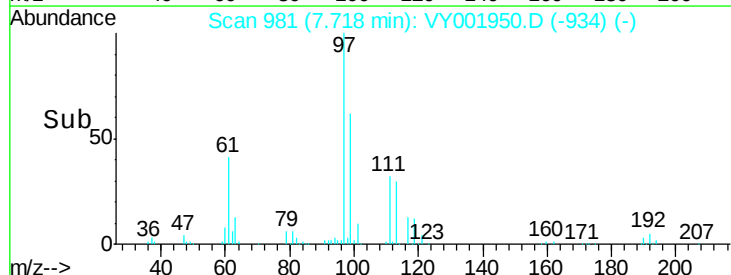
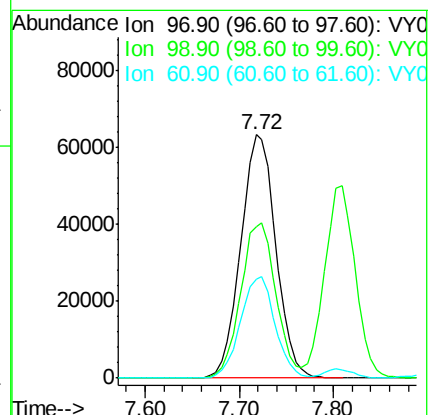
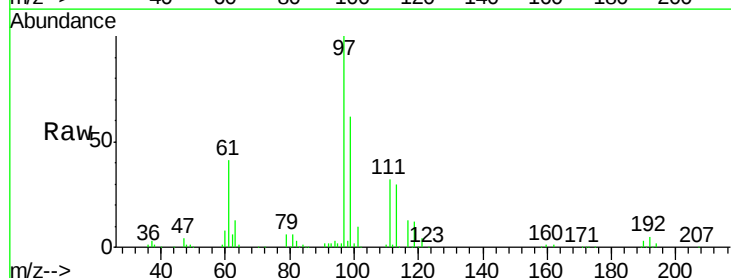
Tgt Ion: 97 Resp: 164528

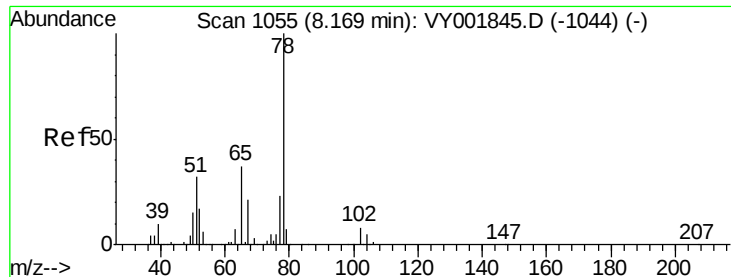
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 41.2 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 51.691 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 105104

Ion Ratio Lower Upper

65 100

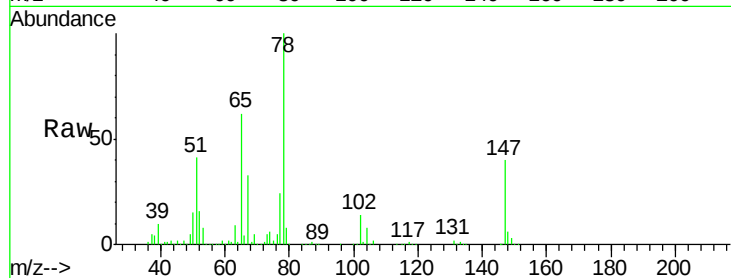
67 55.2 0.0 110.8

Manual Integrations

APPROVED

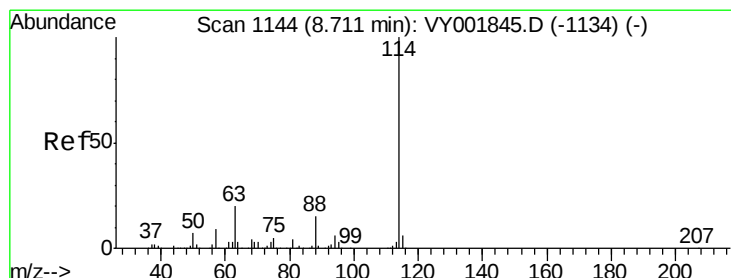
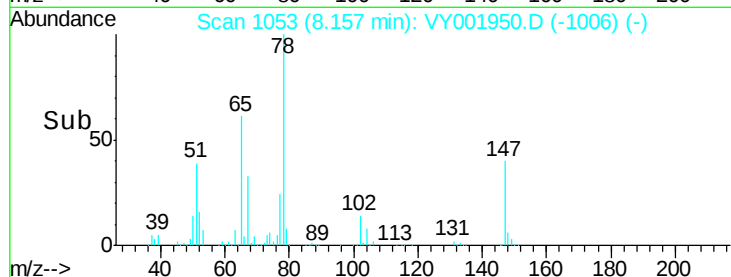
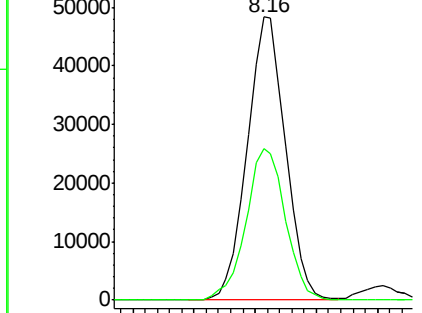
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Abundance Ion 64.90 (64.60 to 65.60): VY001950.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001950.D (-1006) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

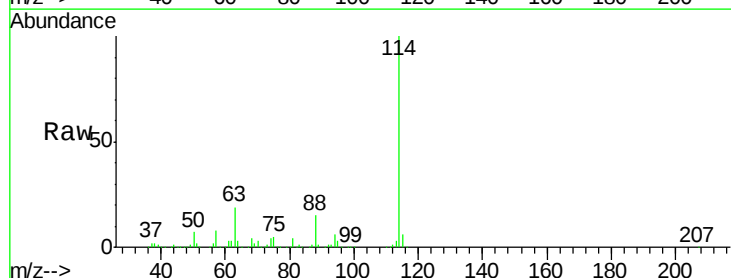
Tgt Ion: 114 Resp: 339123

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

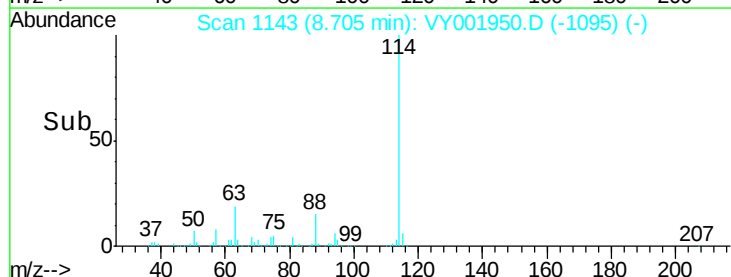
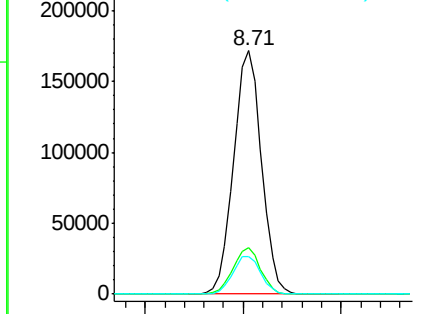
88 15.4 0.0 30.4

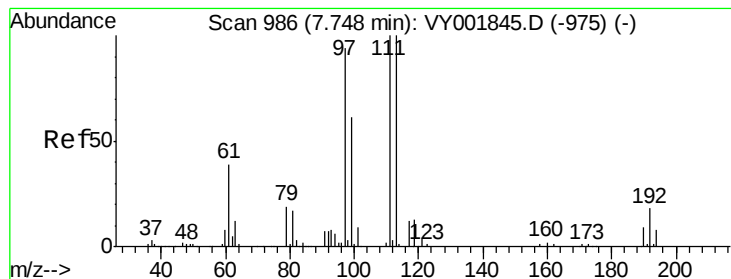


Abundance Ion 113.90 (113.60 to 114.60): VY001950.D (-1095) (-)

Ion 63.00 (62.70 to 63.70): VY001950.D (-1095) (-)

Ion 87.90 (87.60 to 88.60): VY001950.D (-1095) (-)





#35

Dibromofluoromethane

Concen: 53.980 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 99958

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.8

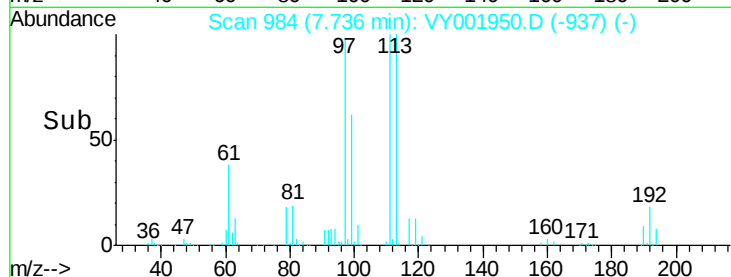
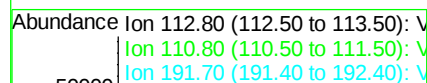
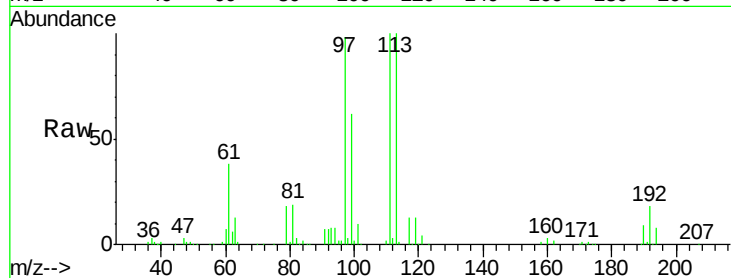
192 18.4 14.2 21.2

Manual Integrations

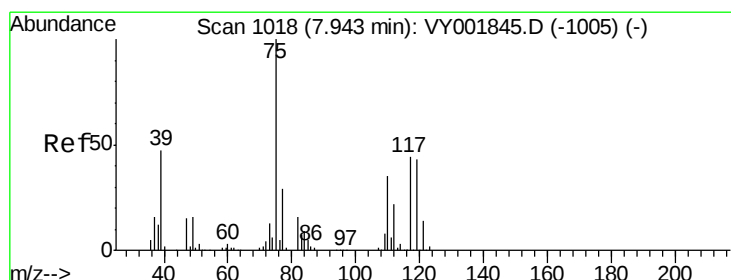
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Time-->



#36

1,1-Dichloropropene

Concen: 45.362 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

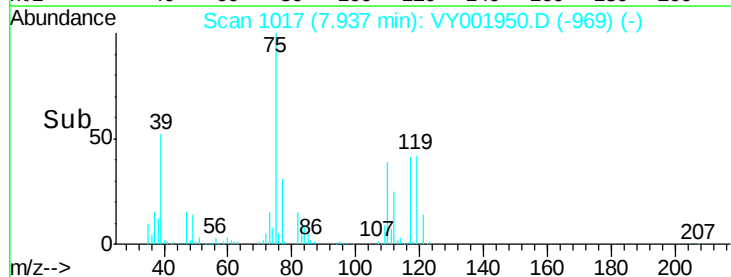
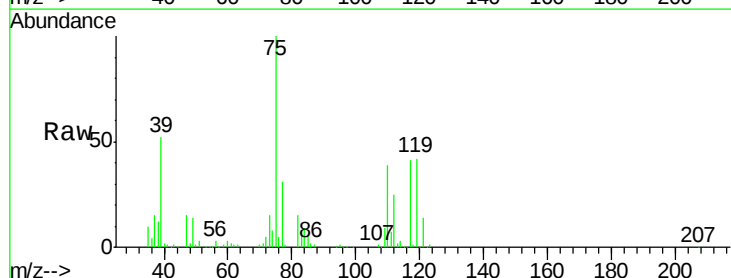
Tgt Ion: 75 Resp: 148033

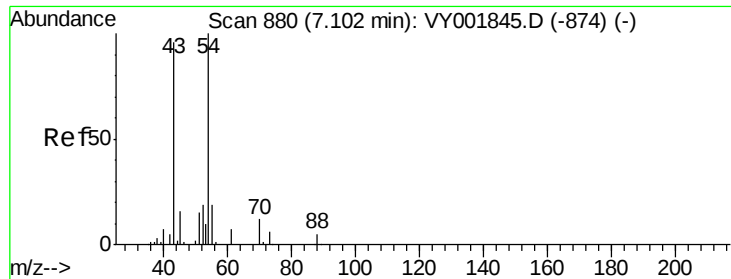
Ion Ratio Lower Upper

75 100

110 36.9 17.4 52.2

77 30.8 24.2 36.2





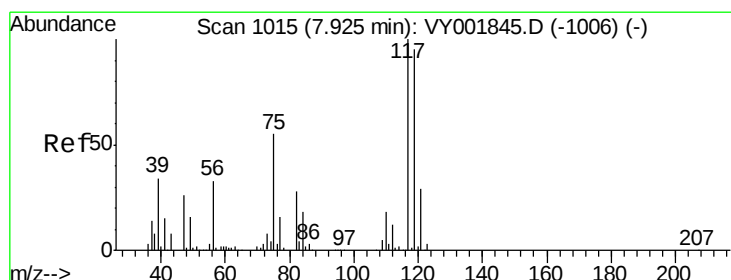
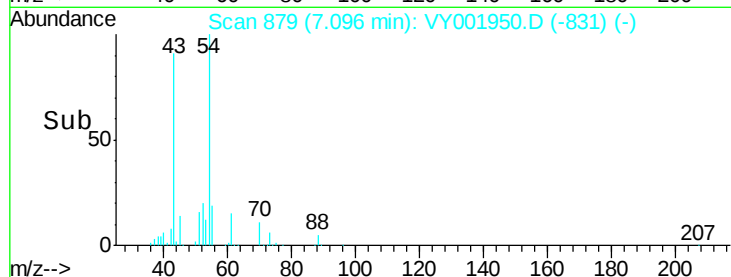
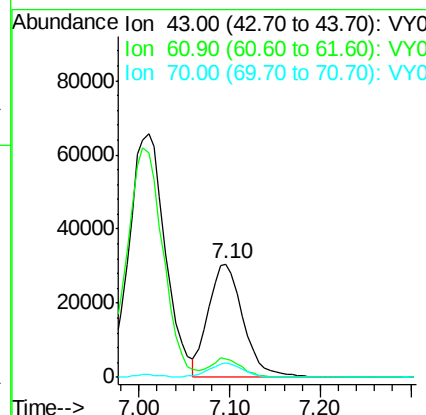
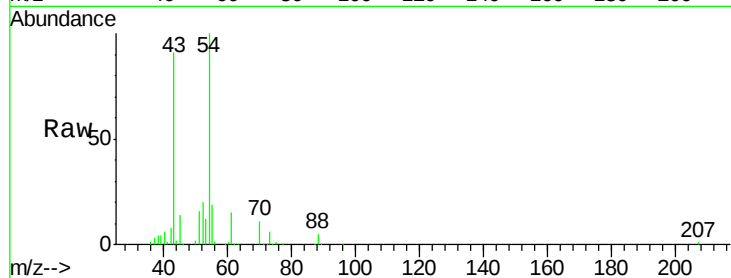
#37
Ethyl Acetate
Concen: 43.382 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.1	16.7
70	12.2	8.2	12.4

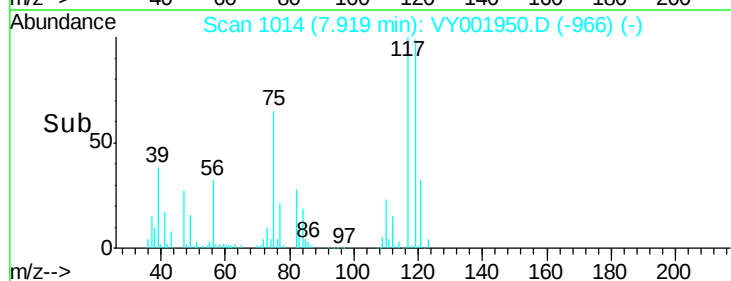
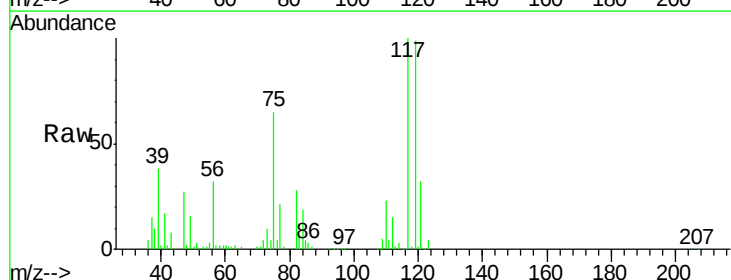
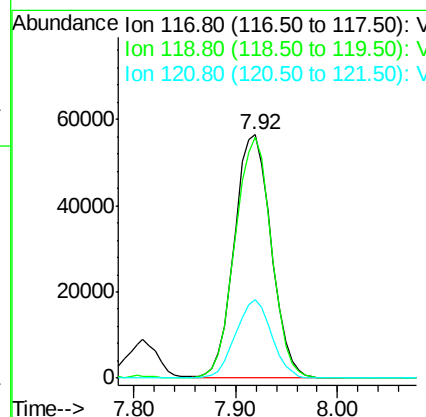
Manual Integrations
APPROVED

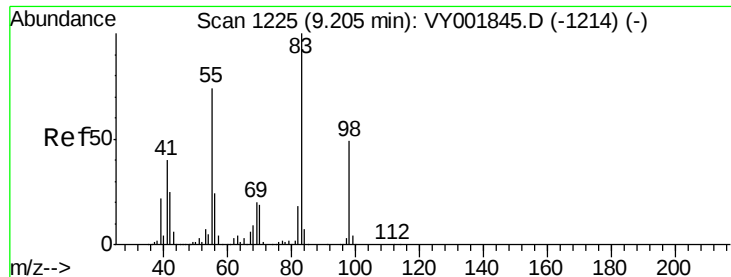
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#38
Carbon Tetrachloride
Concen: 50.830 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.3	114.5
121	32.0	23.5	35.3





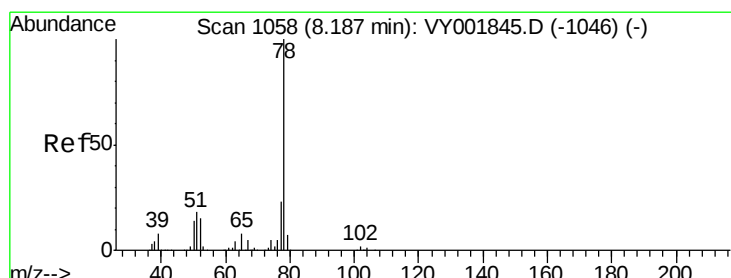
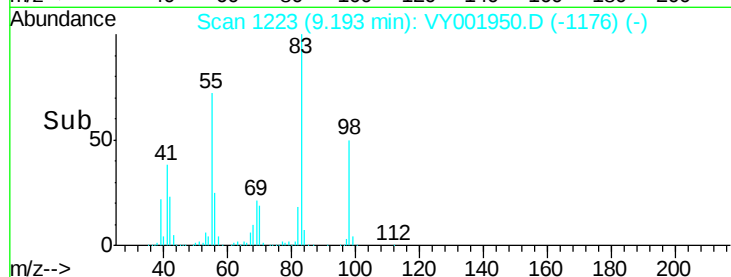
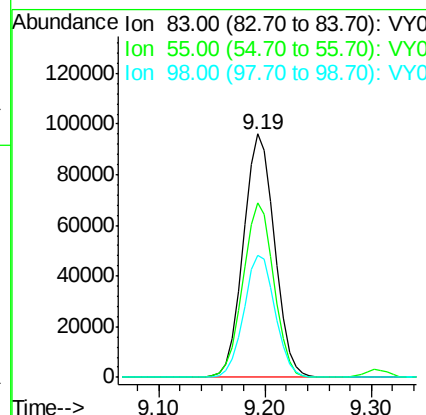
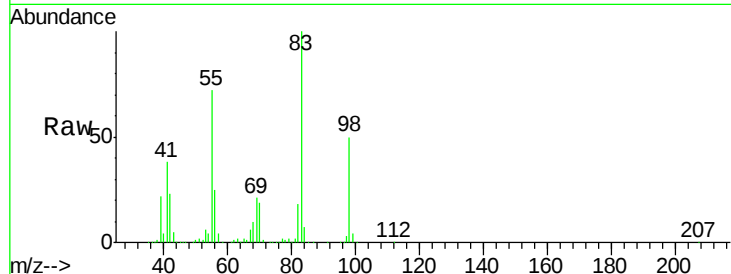
#39
Methylvlcyclohexane
Concen: 45.769 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198105		
55	71.9		59.4	89.0
98	50.0		38.9	58.3

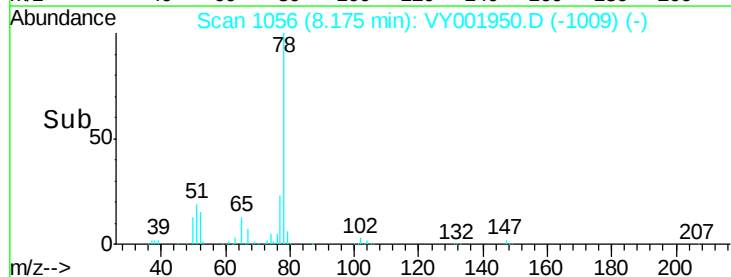
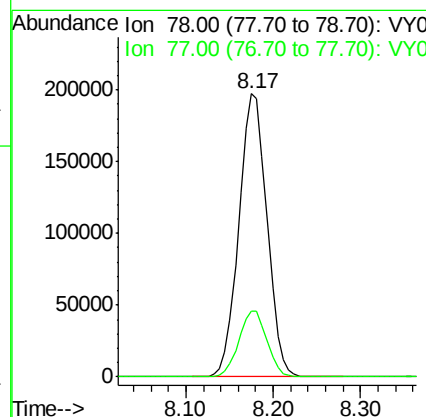
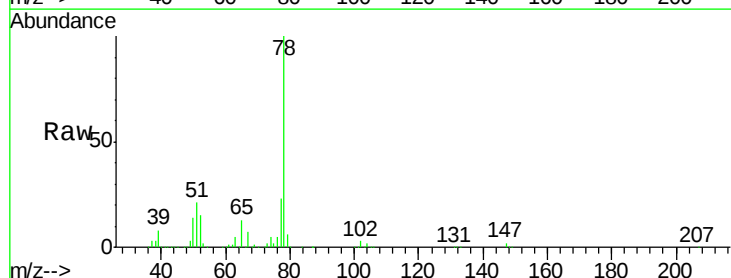
Manual Integrations
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#40
Benzene
Concen: 45.655 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	441603		
77	23.4		18.7	28.1





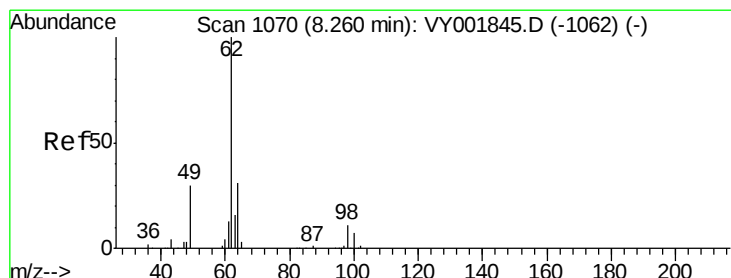
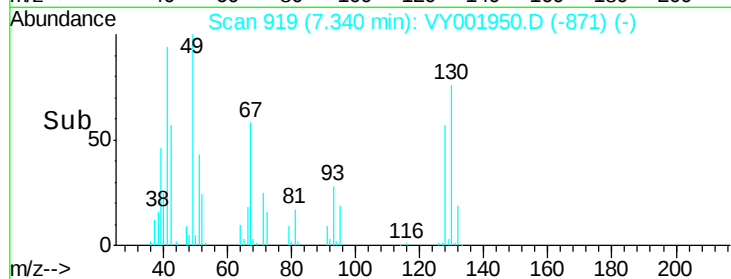
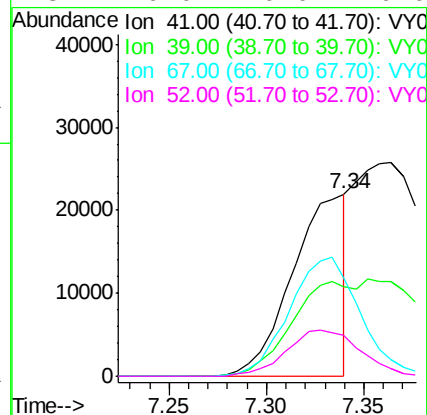
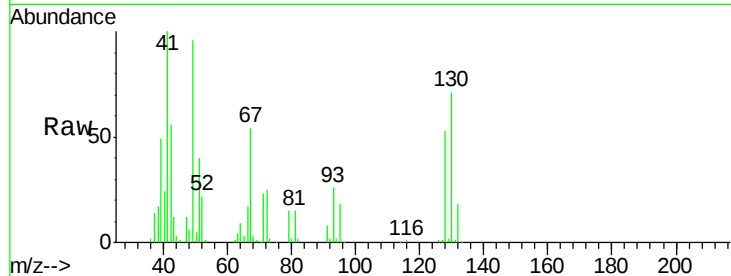
#41
Methacrylonitrile
Concen: 49.974 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

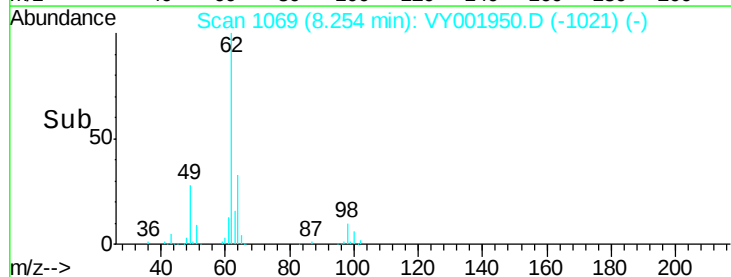
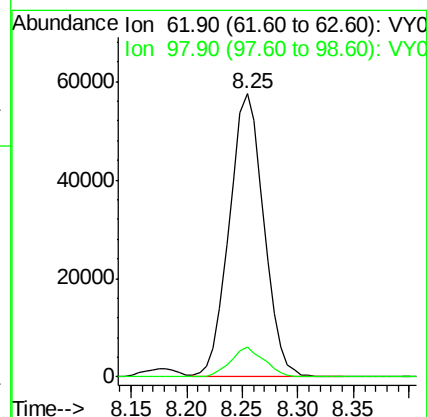
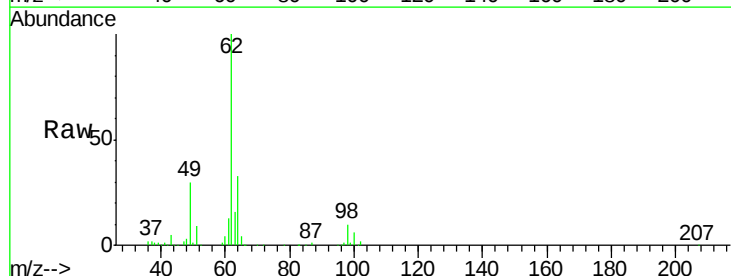
Manual Integrations
APPROVED

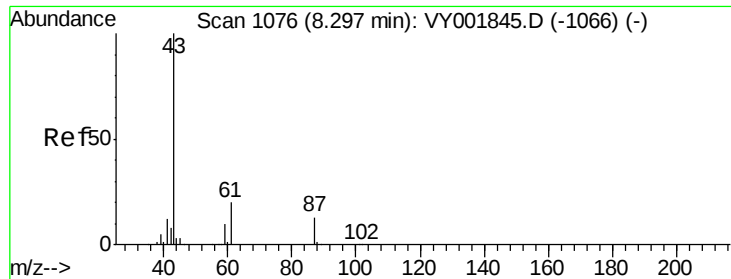
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#42
1,2-Dichloroethane
Concen: 49.682 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4





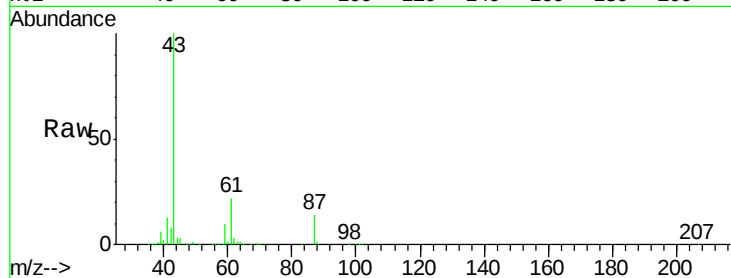
#43
Isopropyl Acetate
Concen: 44.013 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	14.9	10.9	16.3

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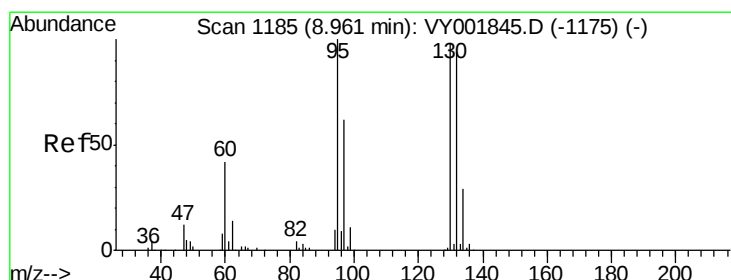
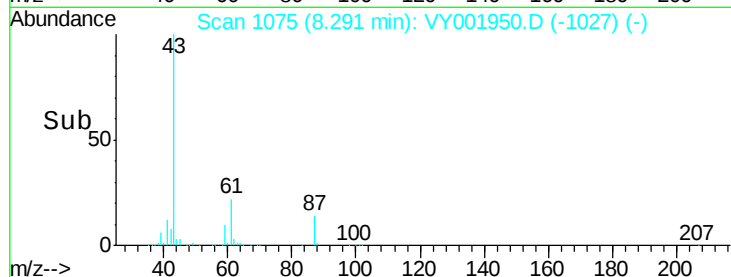
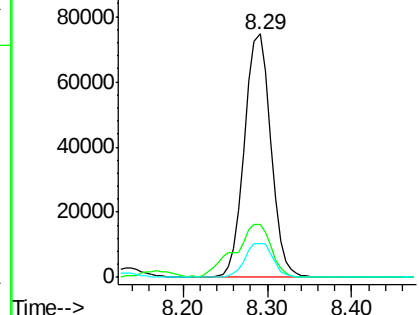
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VY001950.D (-1075) (-)

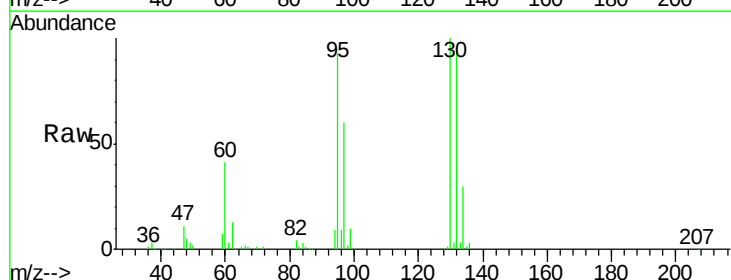
Ion 61.00 (60.70 to 61.70): VY001950.D (-1075) (-)

Ion 87.00 (86.70 to 87.70): VY001950.D (-1075) (-)



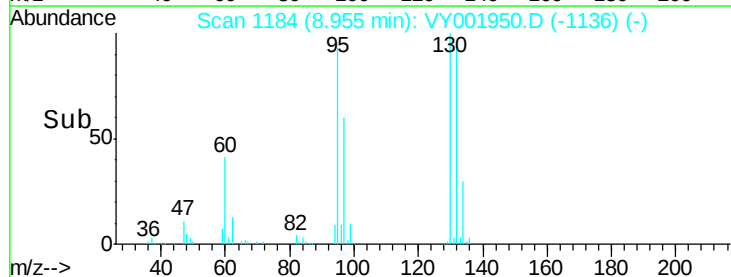
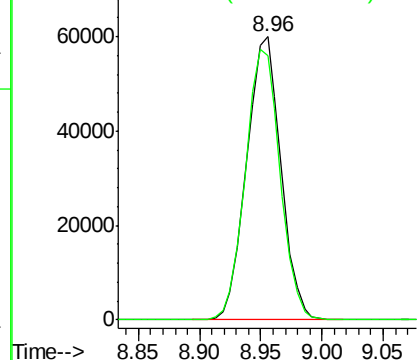
#44
Trichloroethene
Concen: 49.669 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

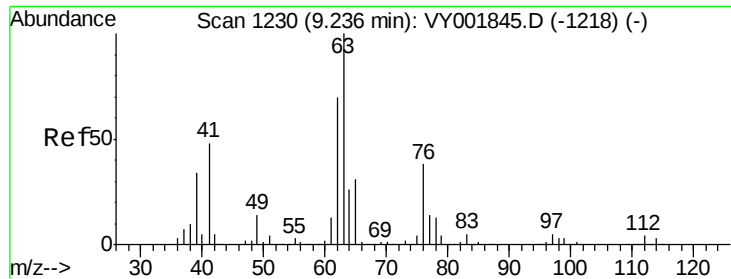
Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	204.6



Abundance Ion 129.80 (129.50 to 130.50): VY001950.D (-1184) (-)

Ion 94.90 (94.60 to 95.60): VY001950.D (-1184) (-)





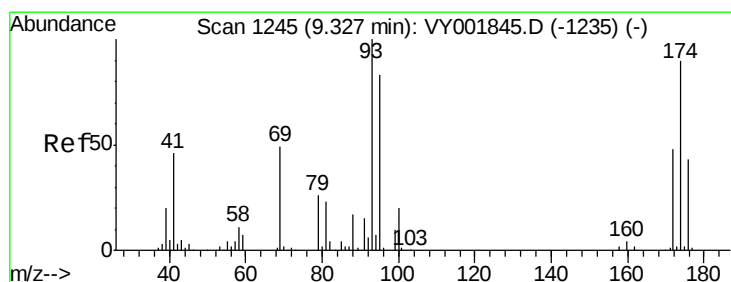
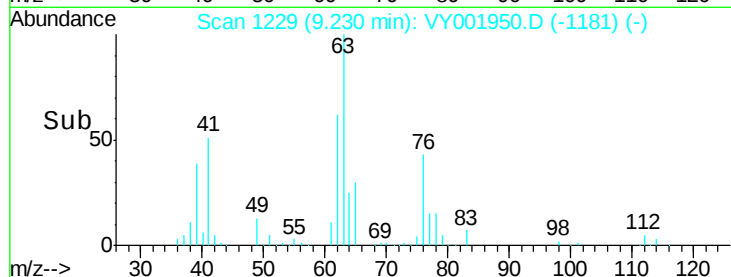
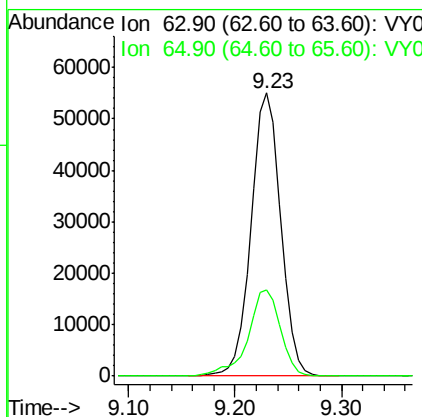
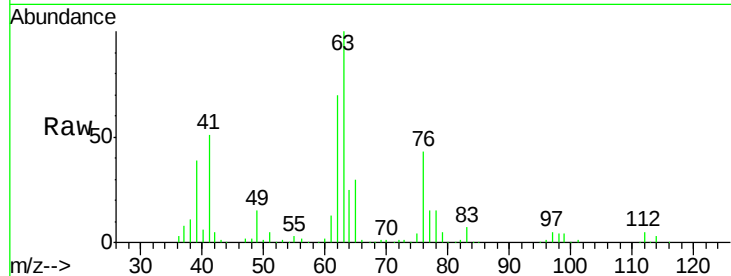
#45
 1,2-Dichloropropane
 Concen: 44.261 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 107623
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3

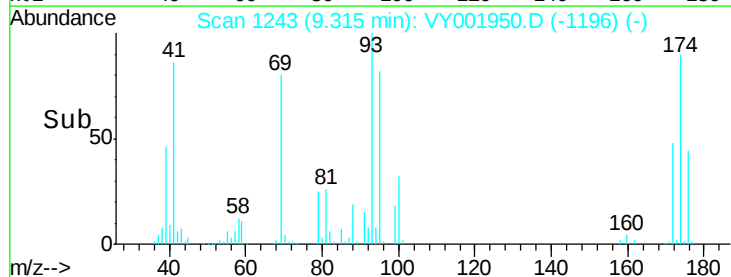
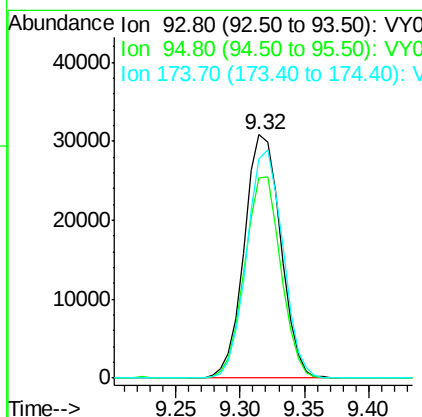
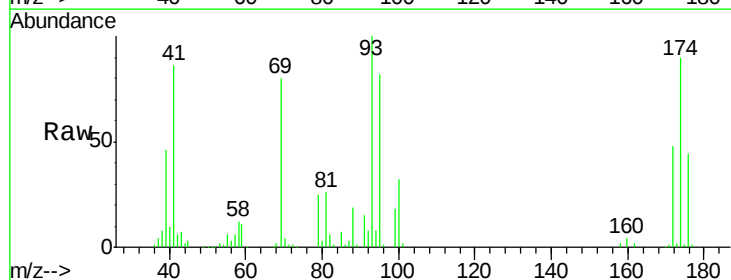
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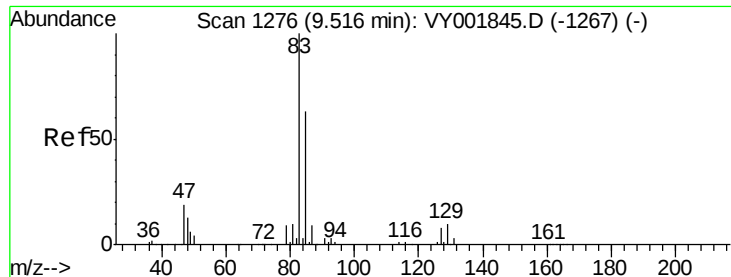
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#46
 Dibromomethane
 Concen: 48.161 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion: 93 Resp: 60348
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.4
 174 92.9 71.8 107.8





#47

Bromodichloromethane

Concen: 49.419 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

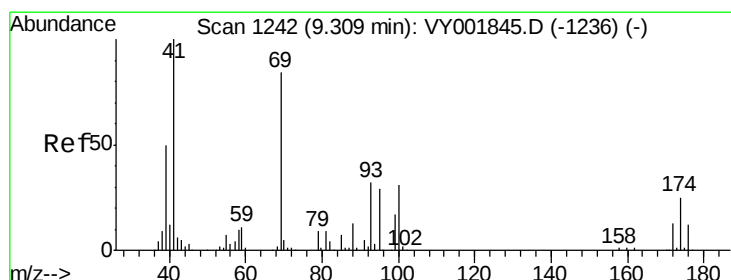
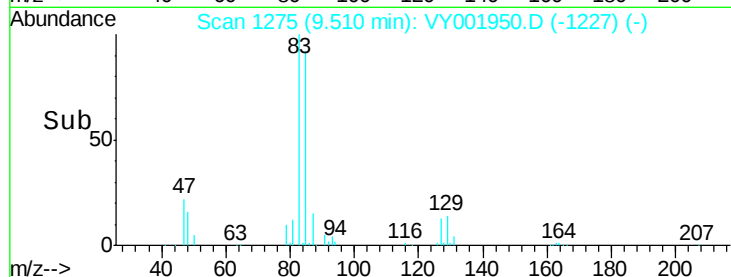
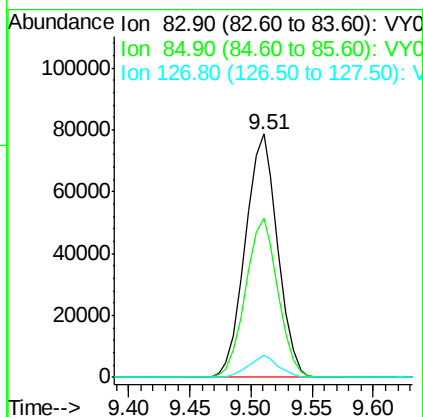
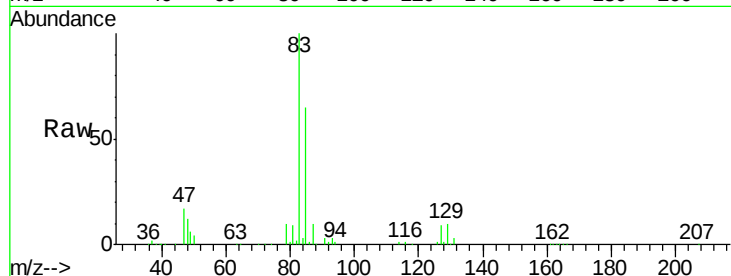
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144047
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.6	76.0
127	9.1	6.2	9.4

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#48

Methyl methacrylate

Concen: 45.660 ug/l

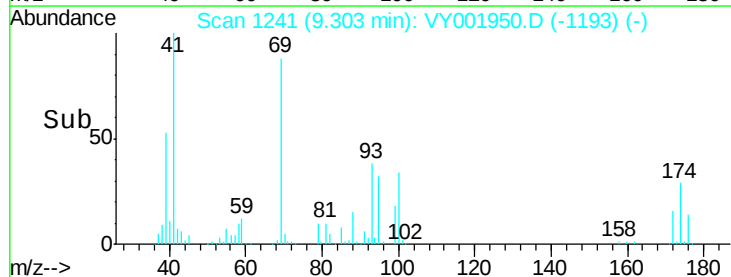
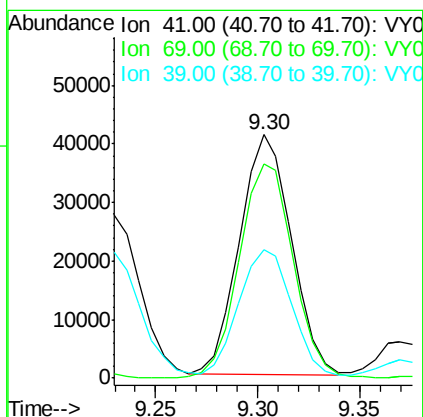
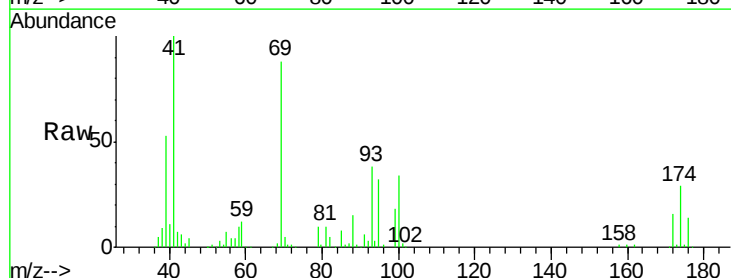
RT: 9.30 min Scan# 1241

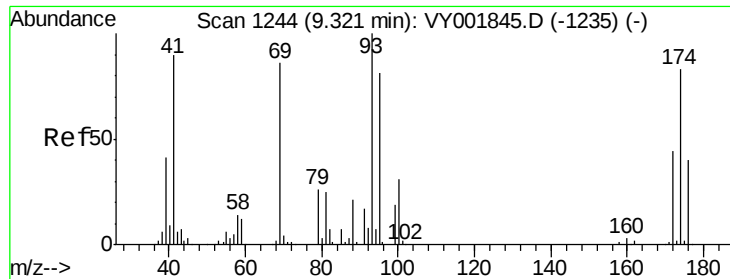
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	41	Resp:	72756
Ion Ratio	Lower	Upper	
41	100		
69	92.6	69.0	103.6
39	55.0	39.1	58.7





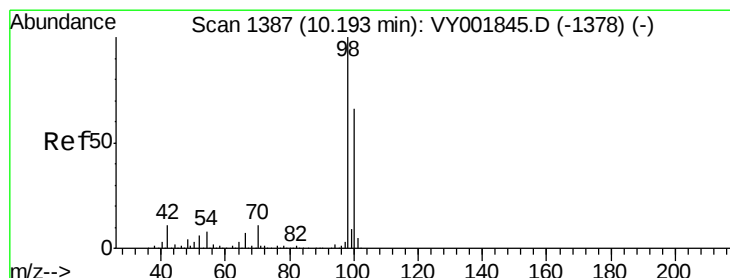
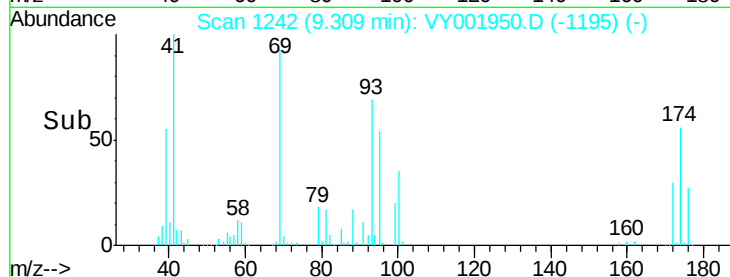
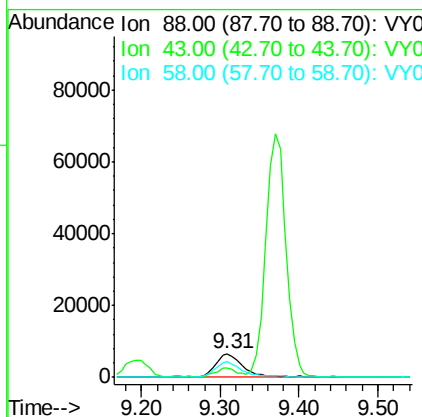
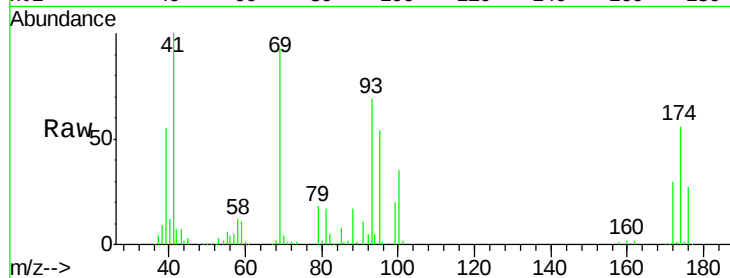
#49
 1,4-Dioxane
 Concen: 954.764 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	16393
Ion Ratio	Lower	Upper	
88	100		
43	29.6	25.0	37.6
58	67.4	58.9	88.3

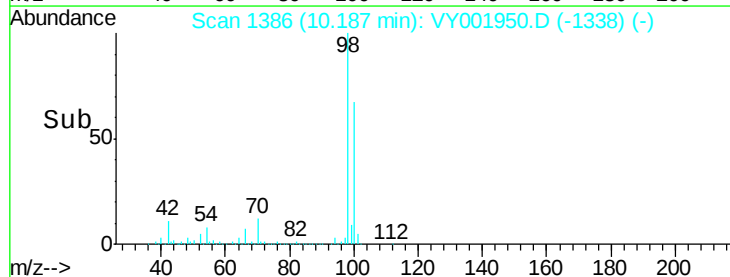
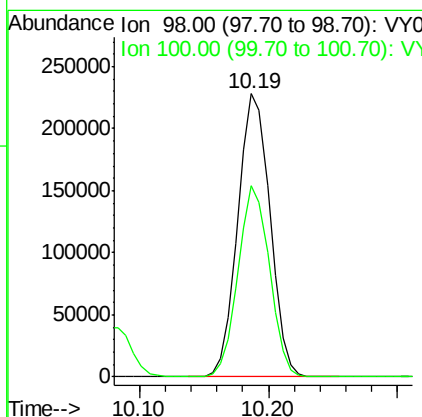
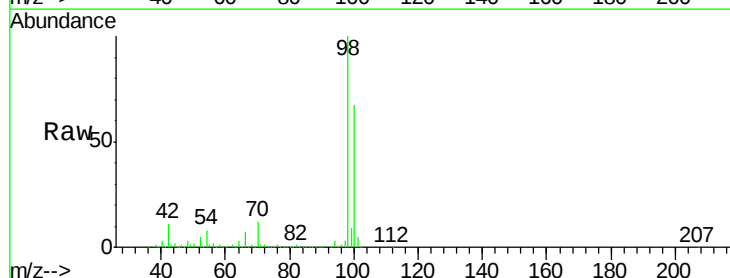
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#50
 Toluene-d8
 Concen: 50.545 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	98	Resp	394684
Ion Ratio	Lower	Upper	
98	100		
100	65.8	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 219.397 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 405797

Ion Ratio Lower Upper

43 100

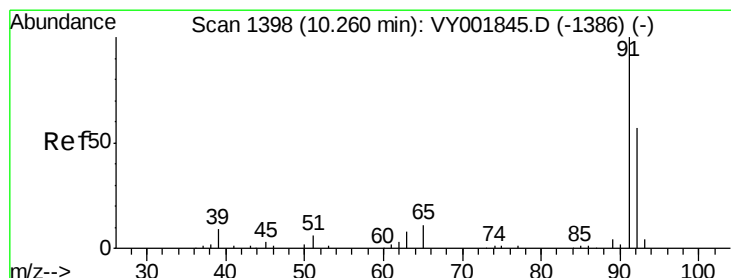
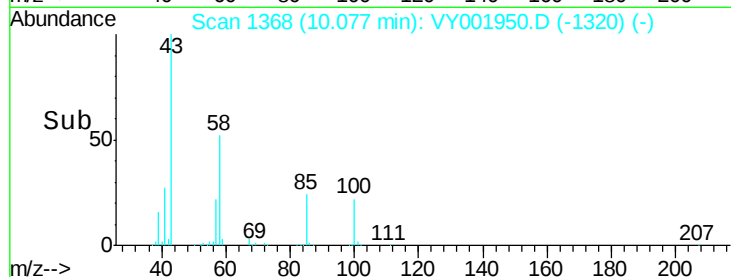
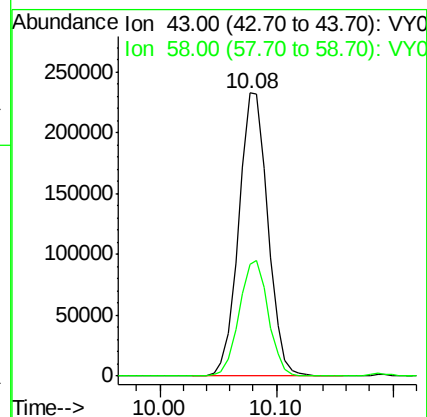
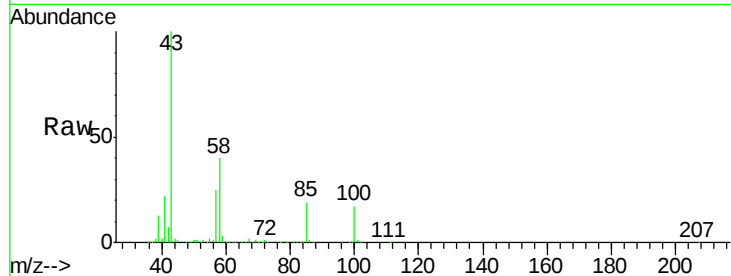
58 40.9 32.0 48.0

Manual Integrations

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3/12/2020 2:46:21 PM



#52

Toluene

Concen: 47.438 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001950.D

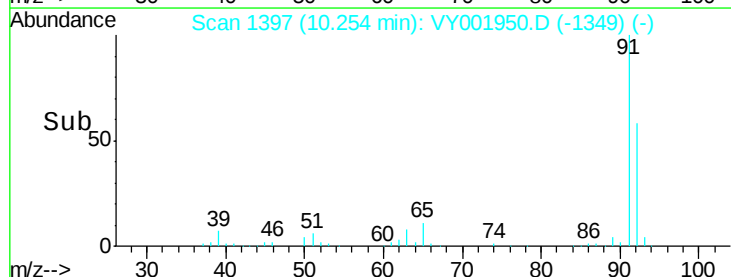
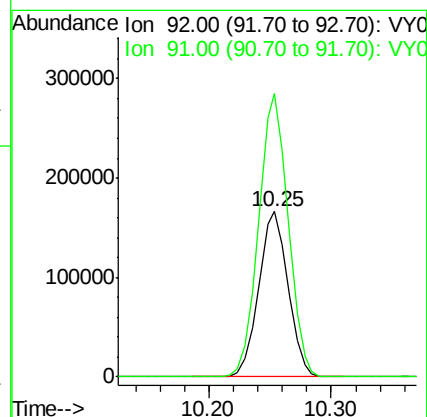
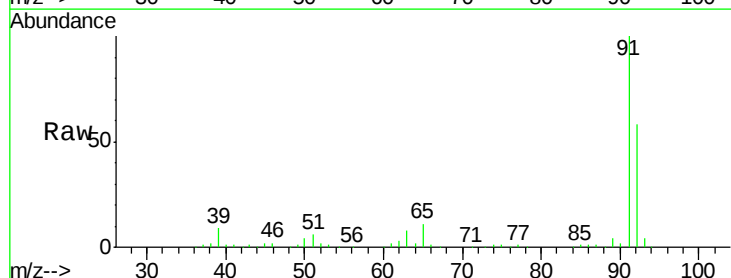
Acq: 11 Mar 2020 18:13

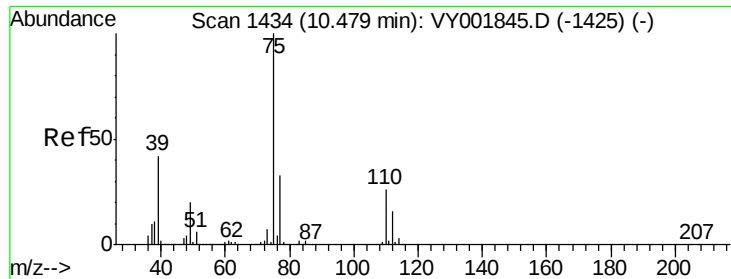
Tgt Ion: 92 Resp: 278747

Ion Ratio Lower Upper

92 100

91 171.6 138.6 208.0





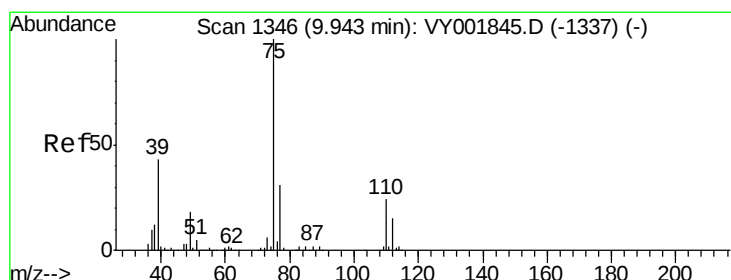
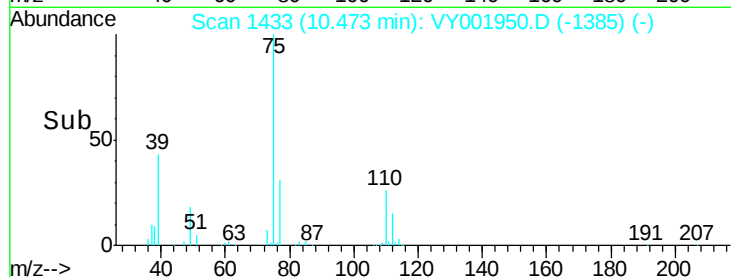
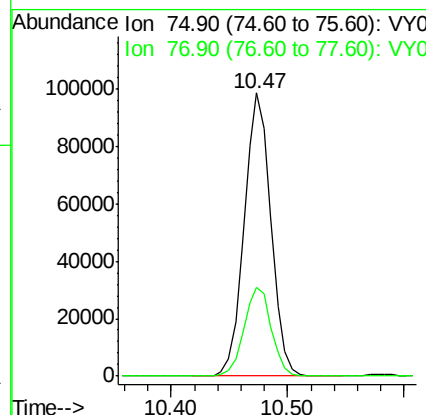
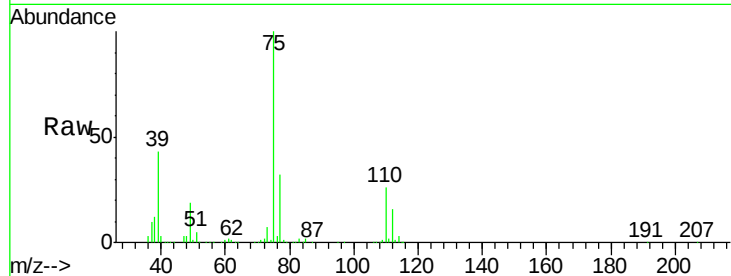
#53
t-1,3-Dichloropropene
Concen: 49.436 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 156989
Ion Ratio Lower Upper
75 100
77 31.5 26.3 39.5

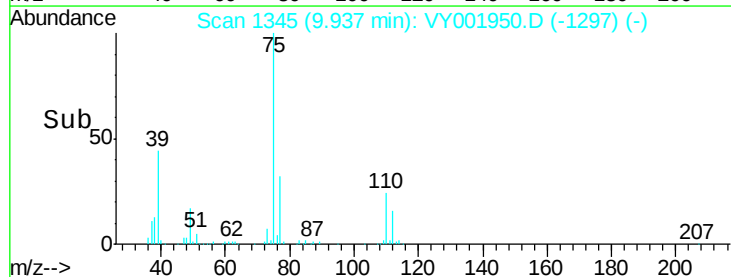
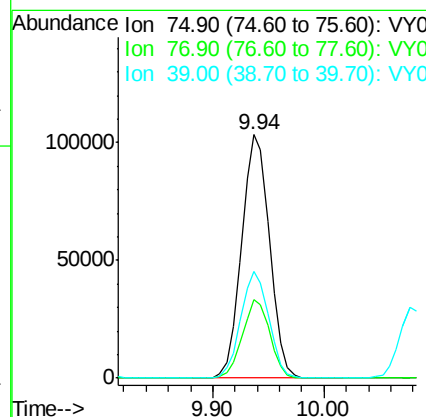
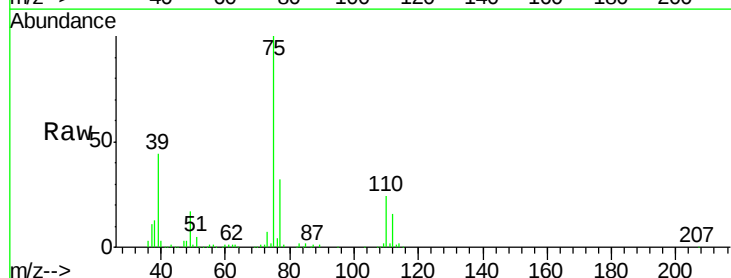
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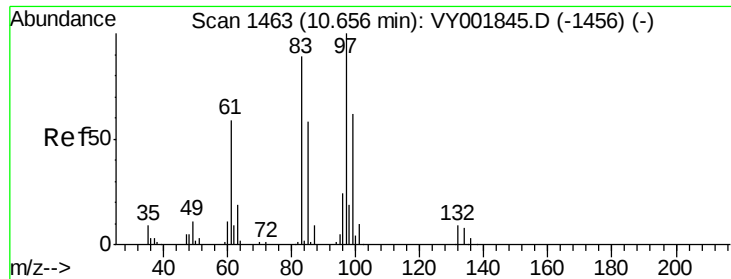
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#54
cis-1,3-Dichloropropene
Concen: 47.309 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion: 75 Resp: 178849
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
39 43.9 34.7 52.1





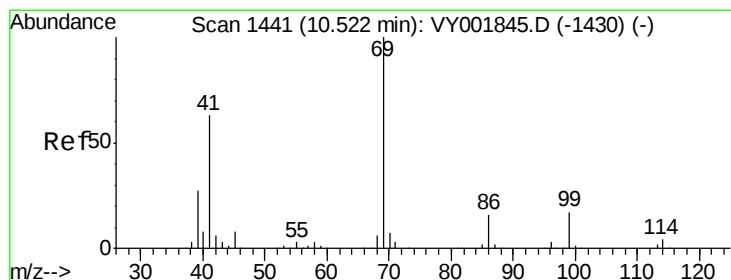
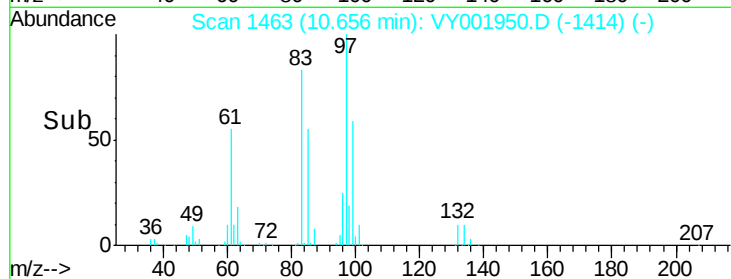
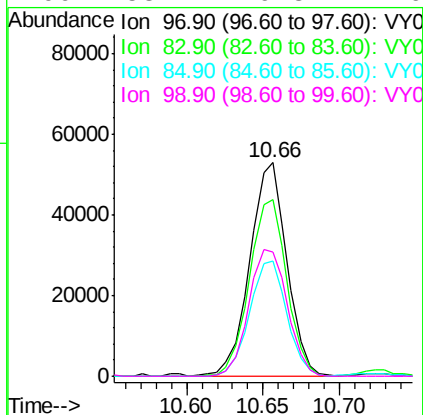
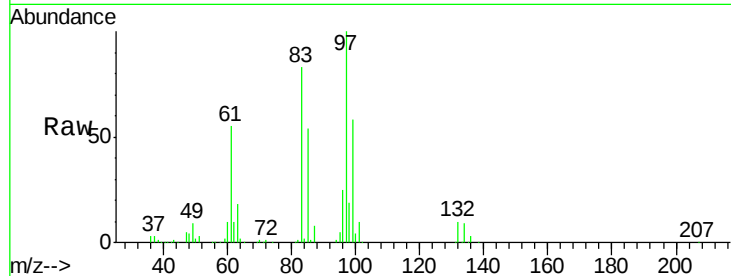
#55
 1,1,2-Trichloroethane
 Concen: 48.765 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.9	71.6	107.4
85	54.1	46.6	69.8
99	58.2	49.8	74.6

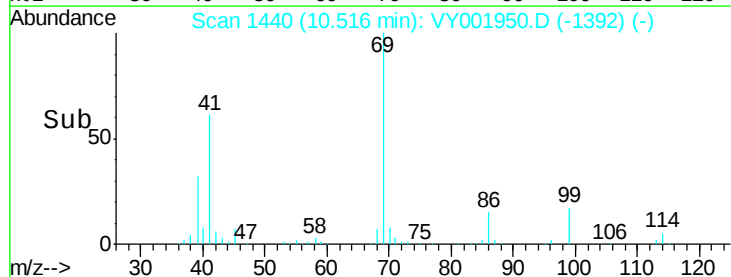
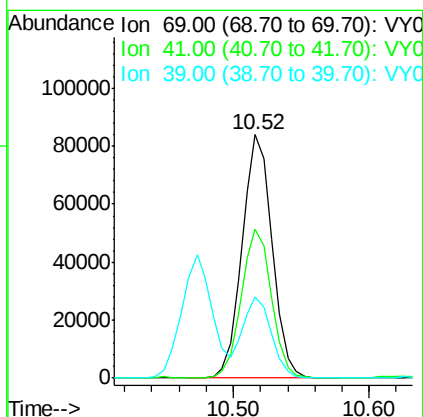
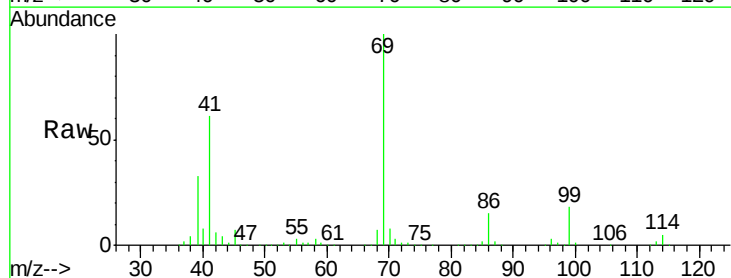
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#56
 Ethyl methacrylate
 Concen: 48.052 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.9	74.9
39	31.7	23.0	34.6





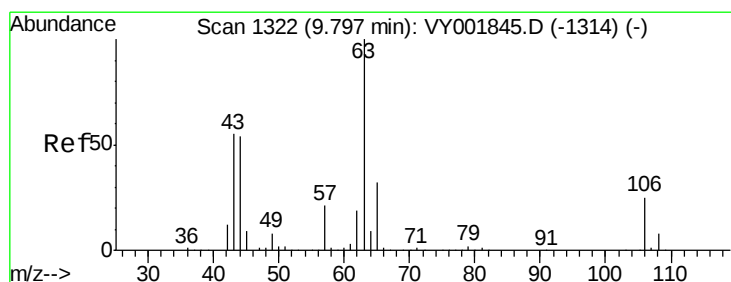
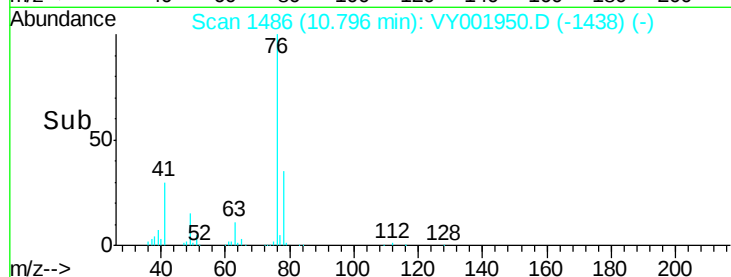
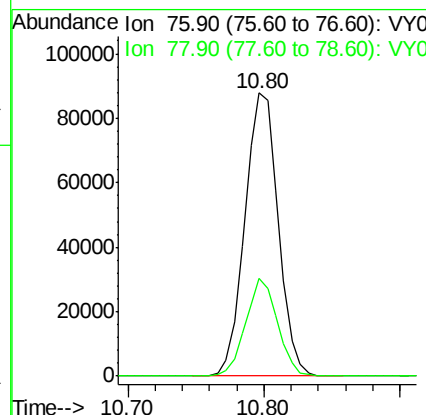
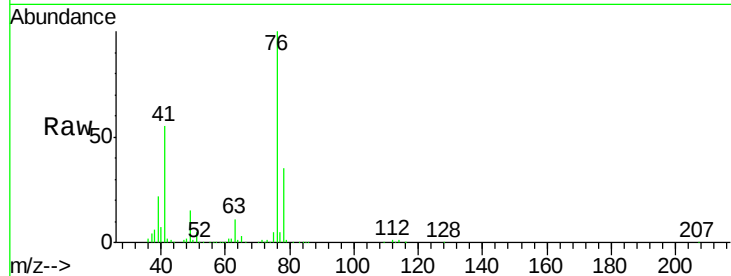
#57
 1,3-Dichloropropane
 Concen: 45.995 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

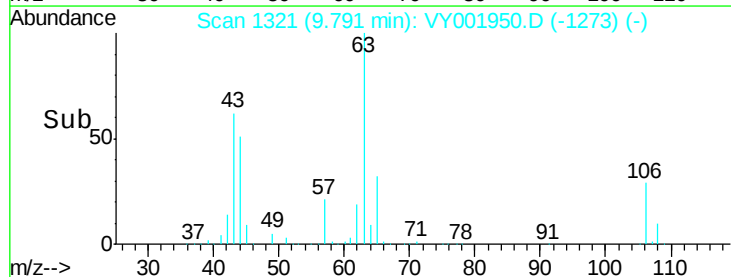
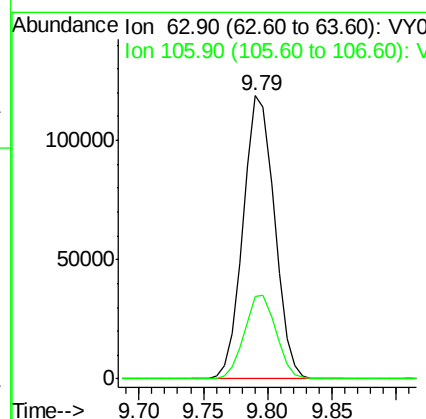
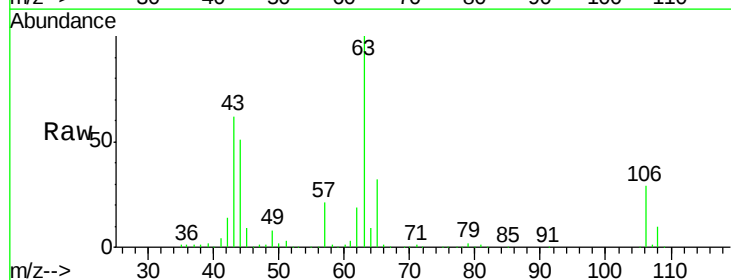
Manual Integrations
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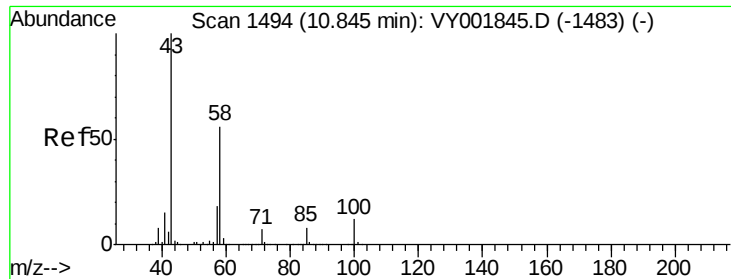
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#58
 2-Chloroethyl Vinyl ether
 Concen: 207.122 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	21.3	31.9





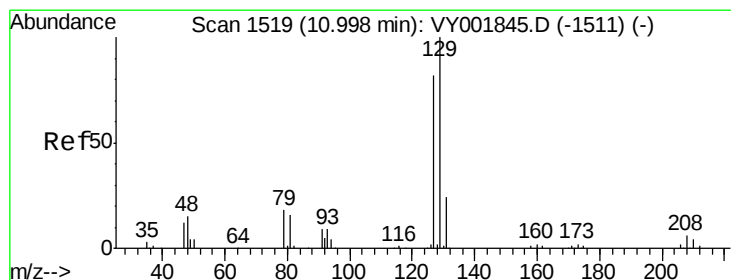
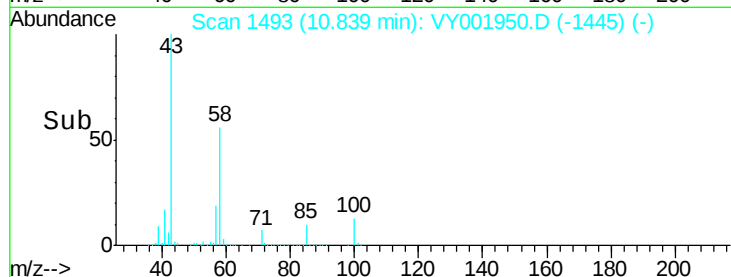
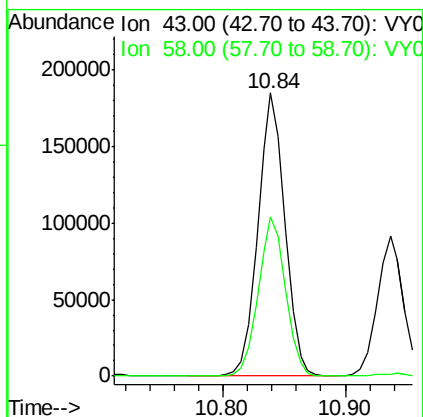
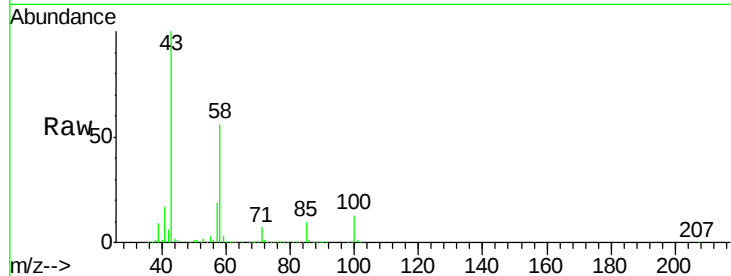
#59
2-Hexanone
Concen: 215.347 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 284293
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.3

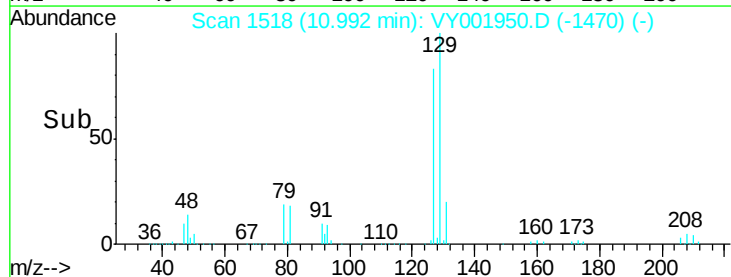
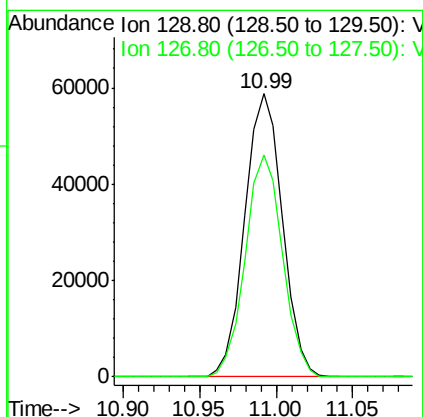
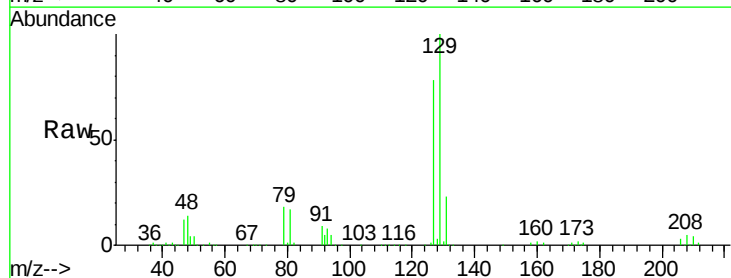
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#60
Dibromochloromethane
Concen: 52.046 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion: 129 Resp: 100571
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





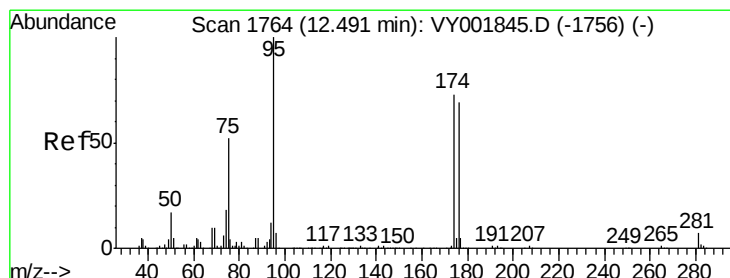
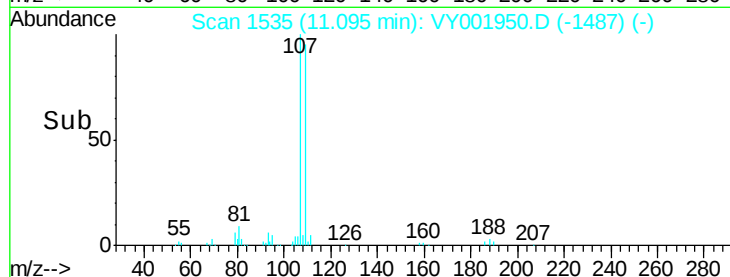
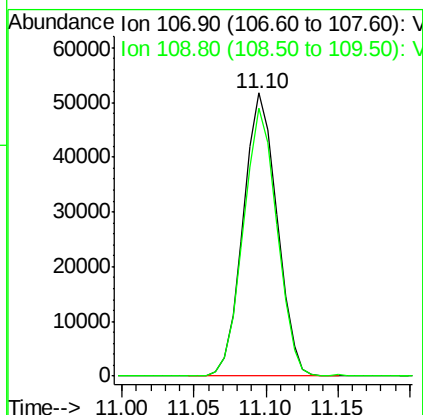
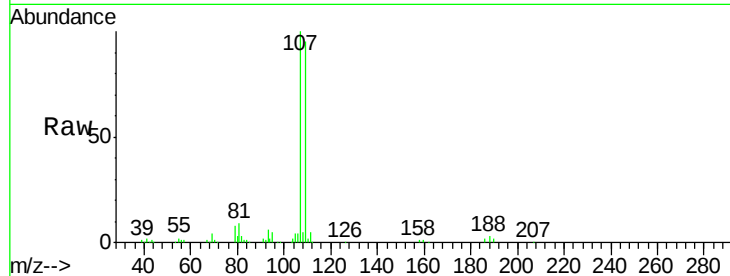
#61
 1,2-Dibromoethane
 Concen: 48.550 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 84334
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.0

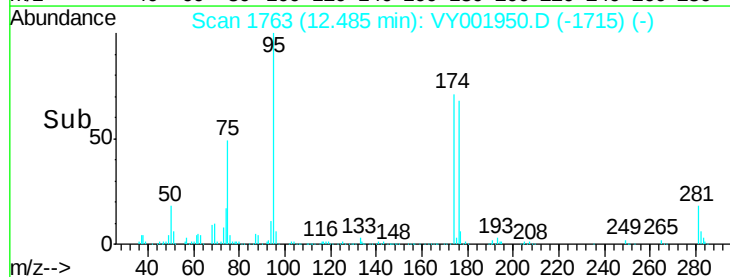
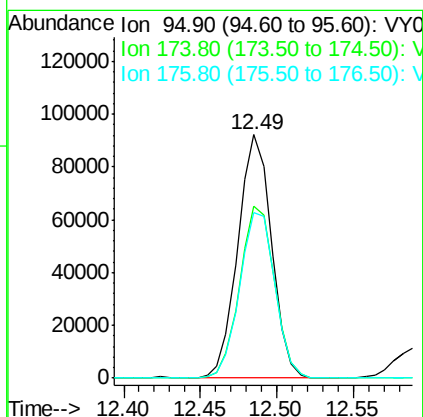
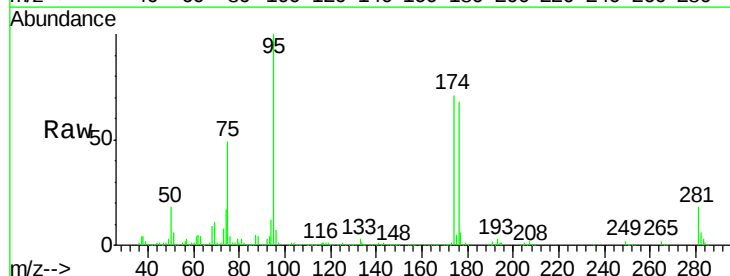
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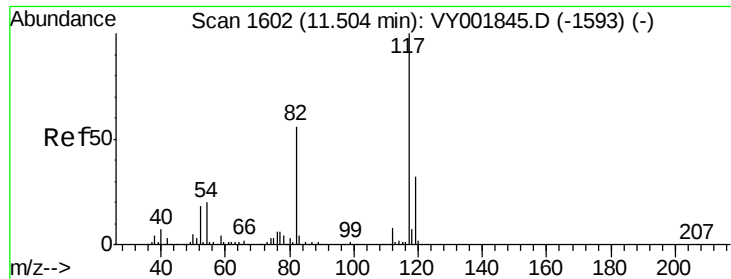
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.713 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion: 95 Resp: 140408
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 145.0
 176 71.6 0.0 137.4





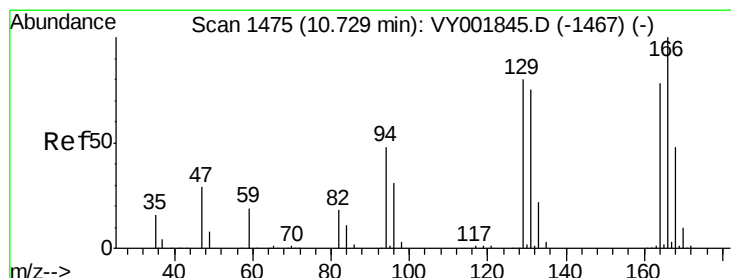
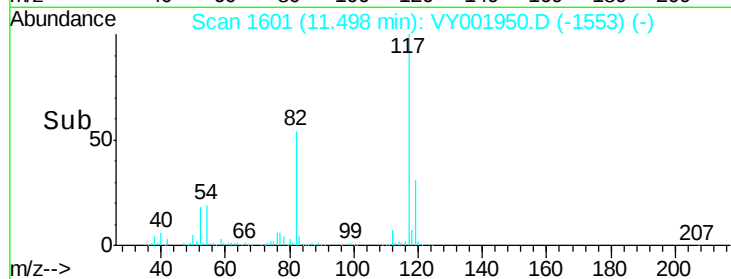
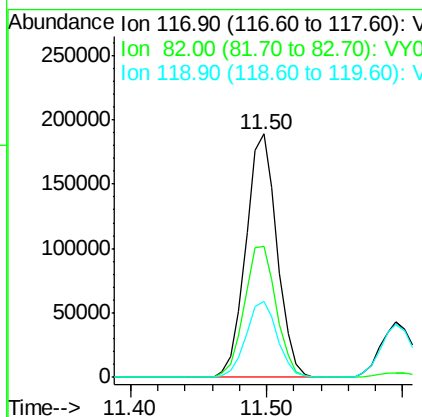
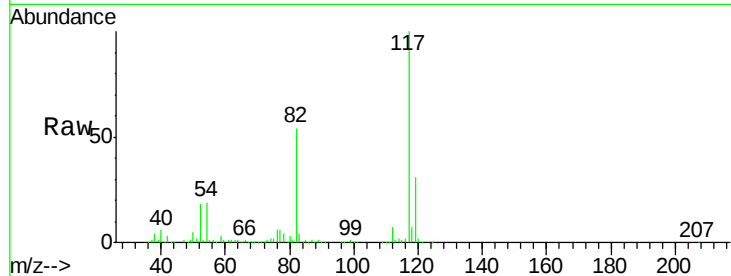
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.5	66.7
119	30.9	25.7	38.5

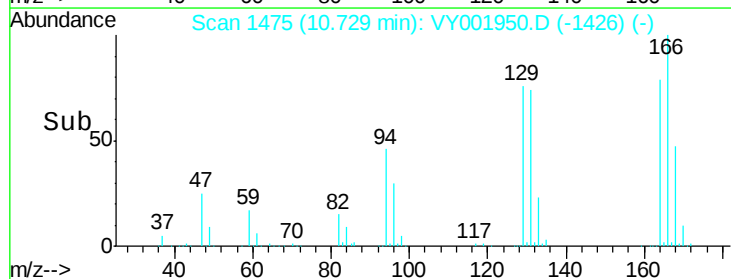
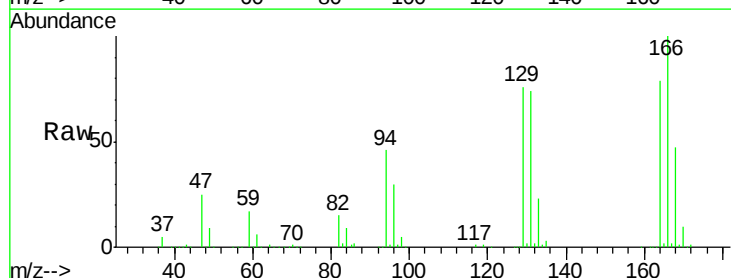
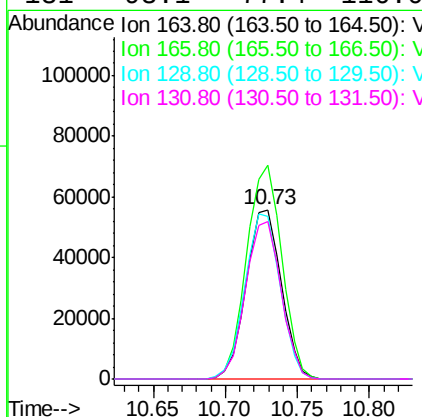
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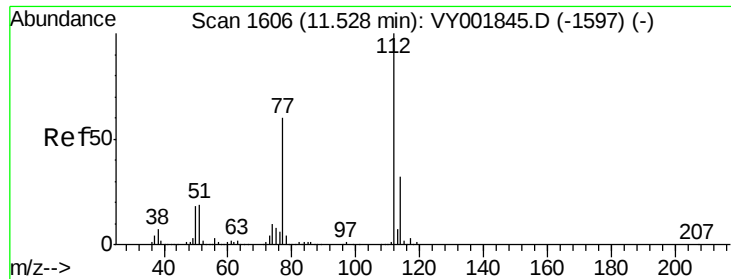
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#64
Tetrachloroethene
Concen: 49.742 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.6	154.0
129	95.9	82.3	123.5
131	93.1	77.4	116.0





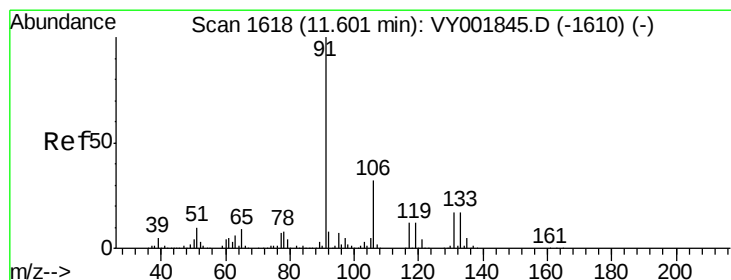
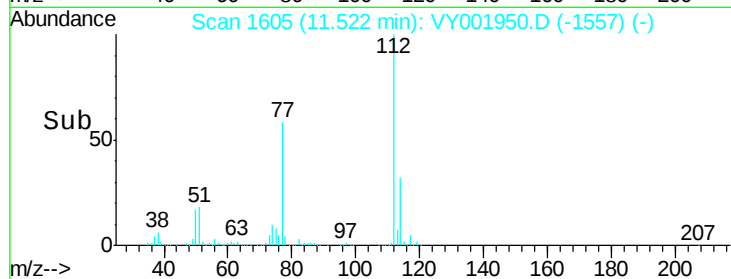
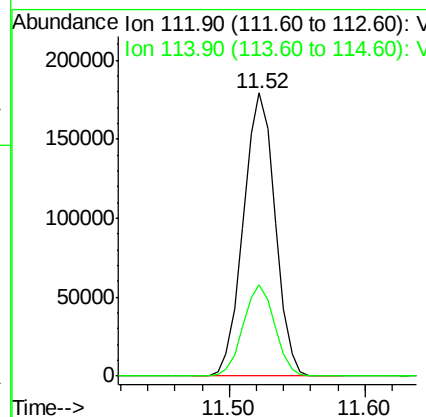
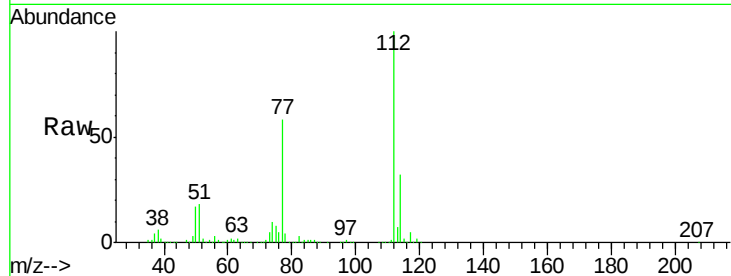
#65
Chlorobenzene
Concen: 48.639 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	292741		
114	32.2	25.9	38.9	

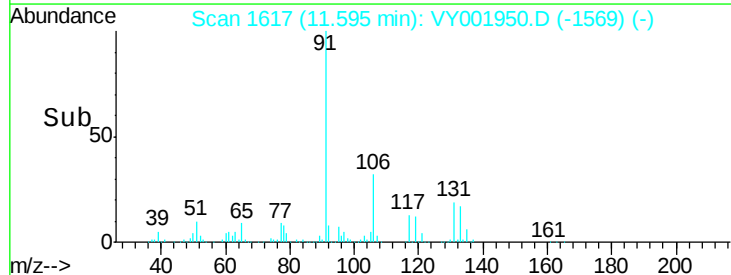
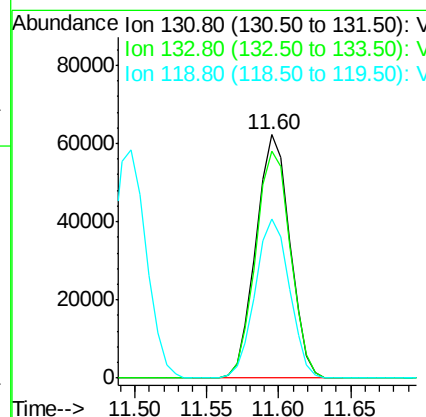
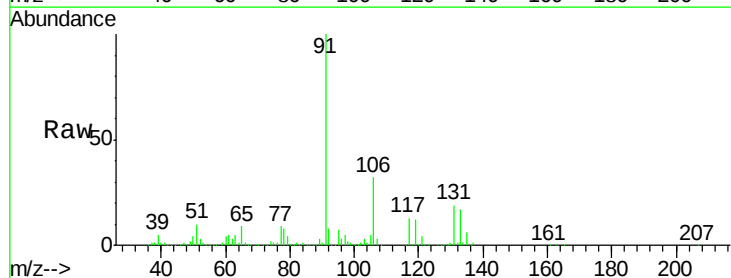
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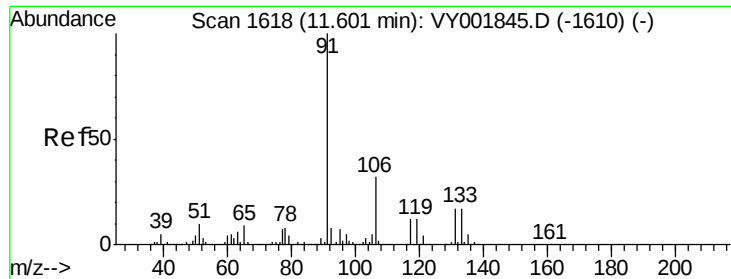
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.470 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101587		
133	95.3	47.1	141.3	
119	66.0	34.5	103.6	





#67

Ethyl Benzene

Concen: 47.603 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 534337

Ion Ratio Lower Upper

91 100

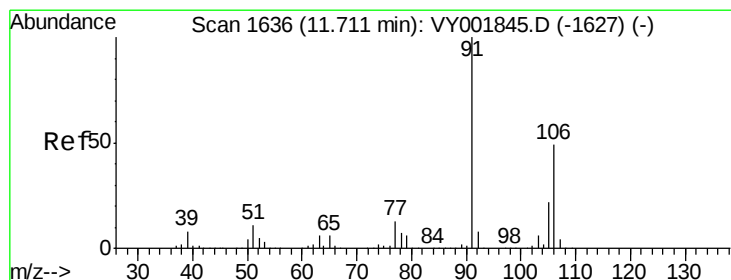
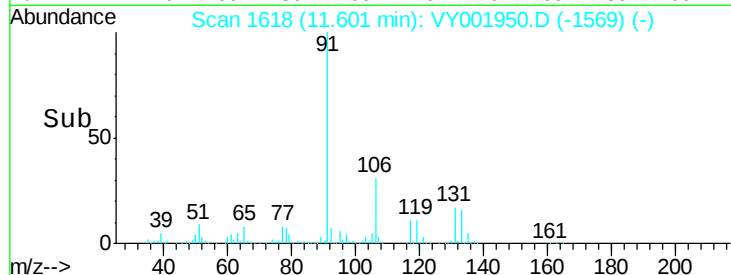
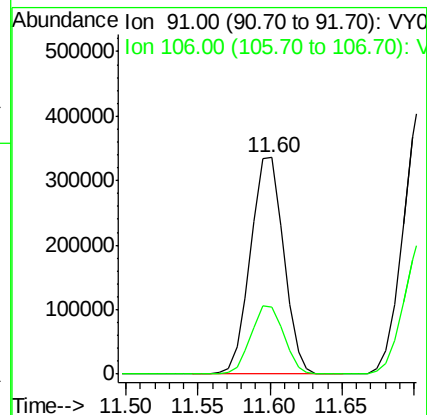
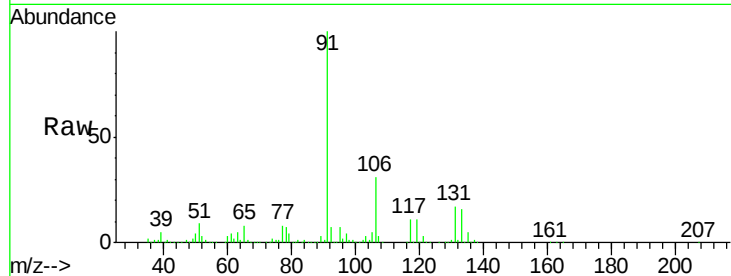
106 31.0 25.4 38.2

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3/12/2020 2:46:21 PM



#68

m/p-Xylenes

Concen: 96.750 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001950.D

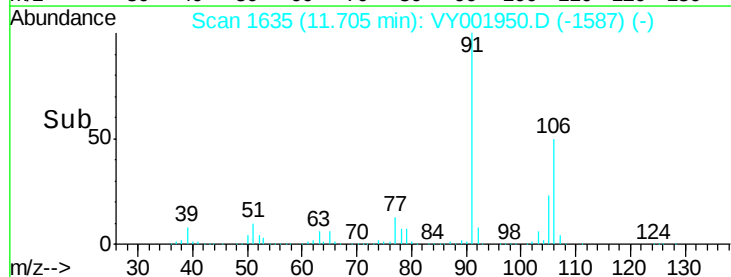
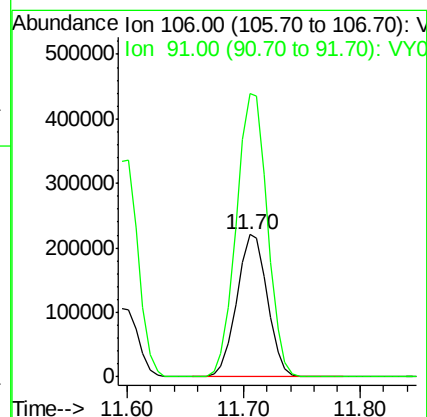
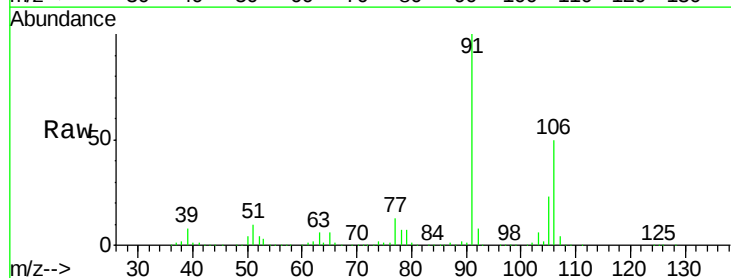
Acq: 11 Mar 2020 18:13

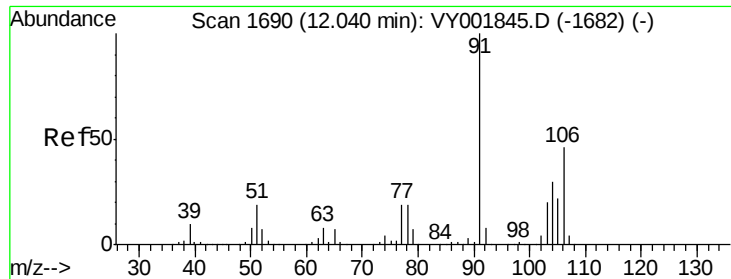
Tgt Ion: 106 Resp: 401502

Ion Ratio Lower Upper

106 100

91 202.9 161.3 241.9





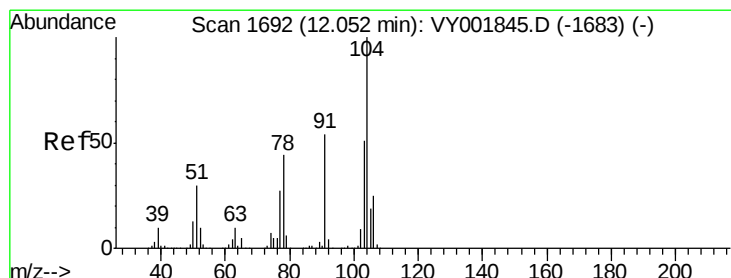
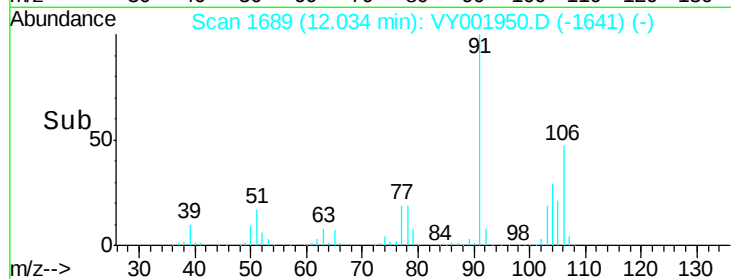
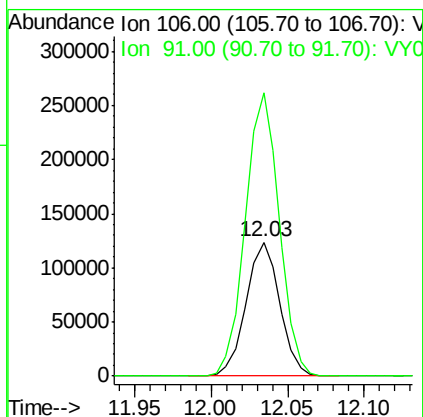
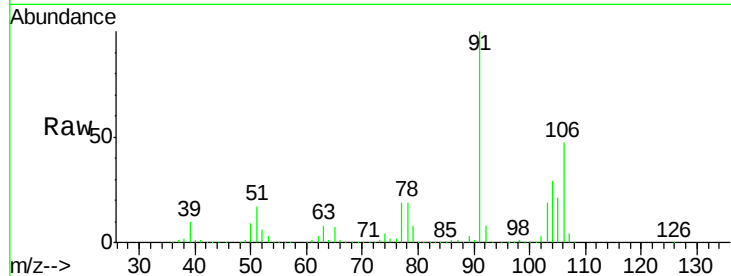
#69
o-Xylene
Concen: 48.361 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 189158
Ion Ratio Lower Upper
106 100
91 212.8 106.8 320.4

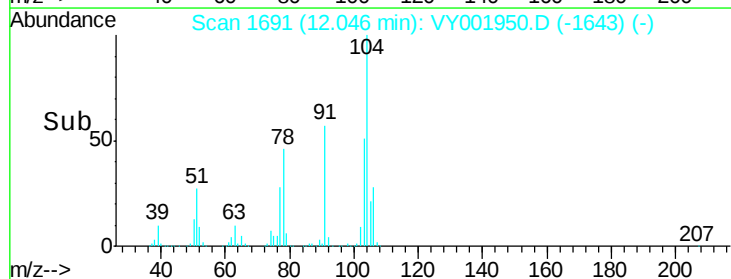
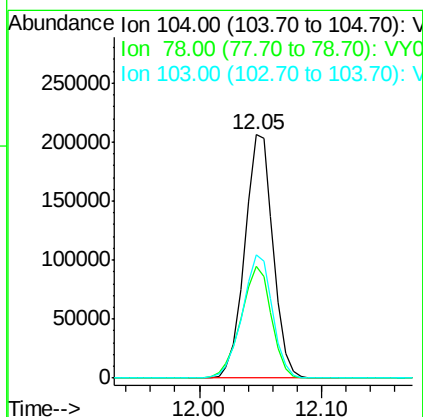
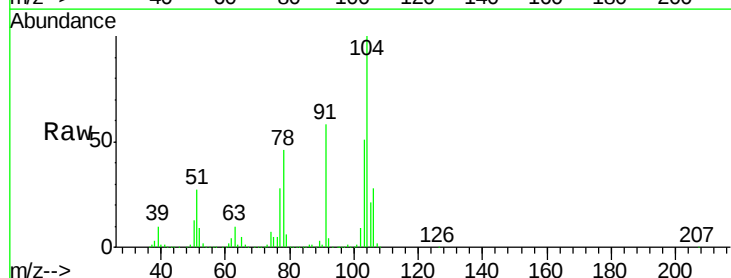
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#70
Styrene
Concen: 49.372 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion:104 Resp: 330748
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 54.0 42.9 64.3





#71

Bromoform

Concen: 54.467 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 58300

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

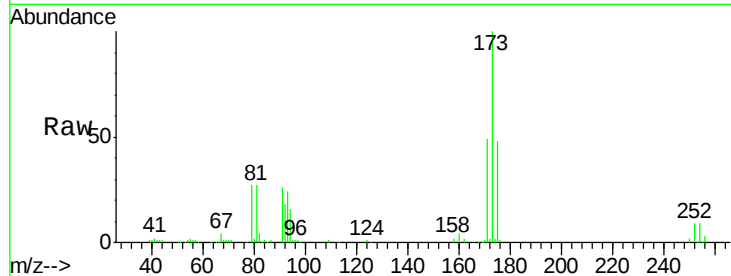
254 0.0 0.0 0.0#

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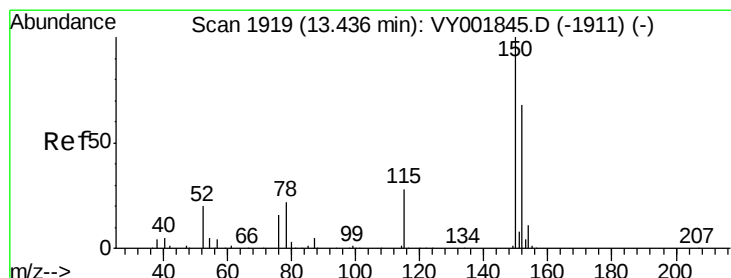
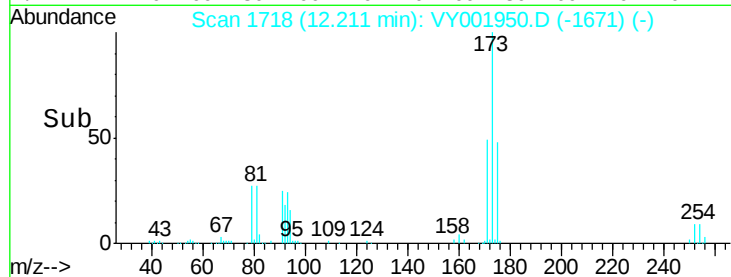
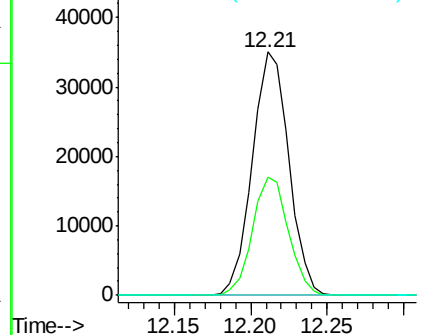
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

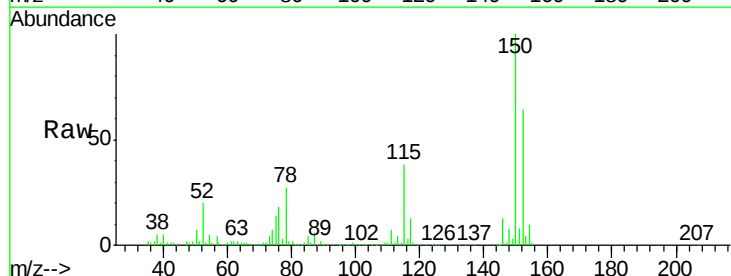
Tgt Ion:152 Resp: 136475

Ion Ratio Lower Upper

152 100

115 62.0 29.9 89.7

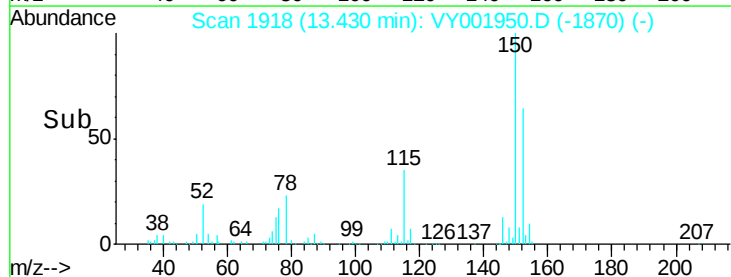
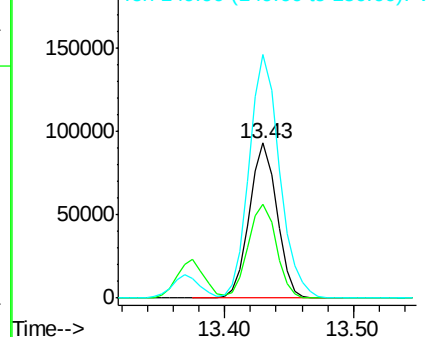
150 173.9 0.0 340.6

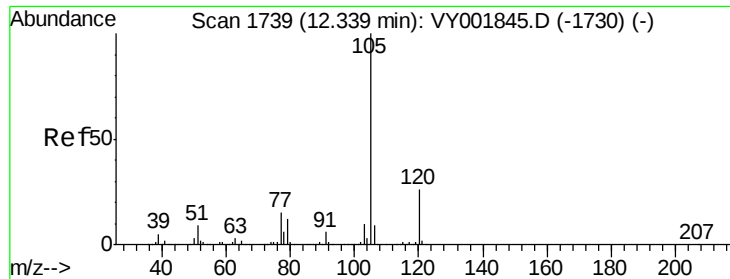


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





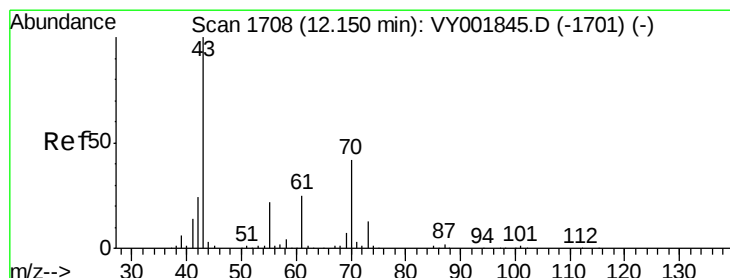
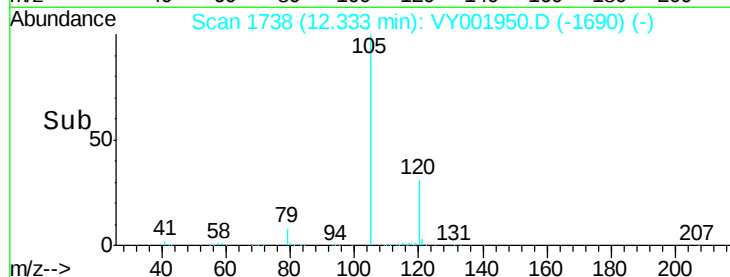
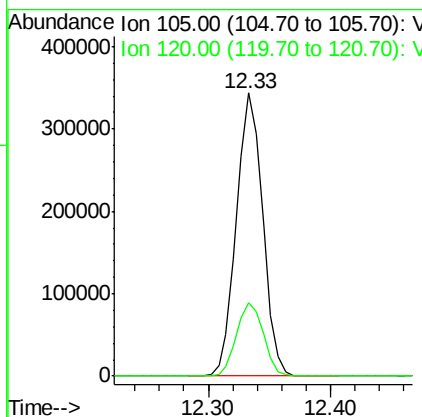
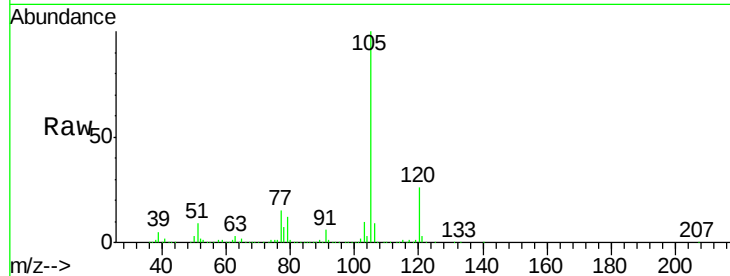
#73
Isopropylbenzene
Concen: 49.044 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

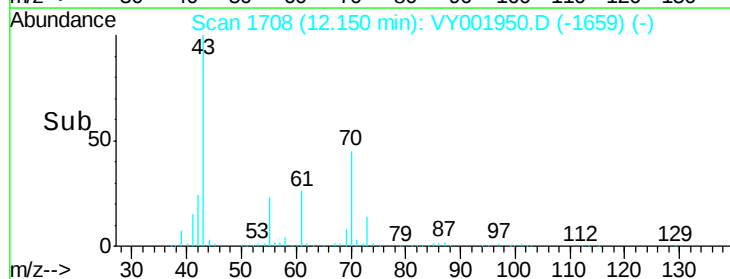
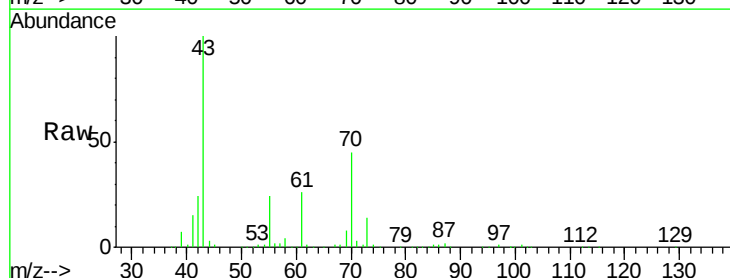
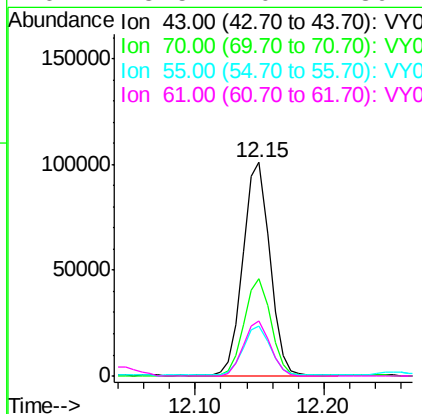
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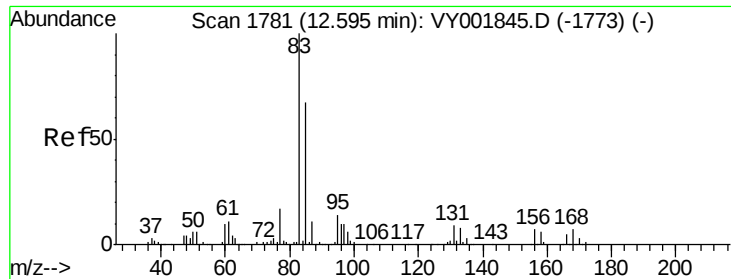
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#74
N-ethyl acetate
Concen: 45.439 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.7	52.1
55	23.4	18.2	27.4
61	25.5	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.250 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

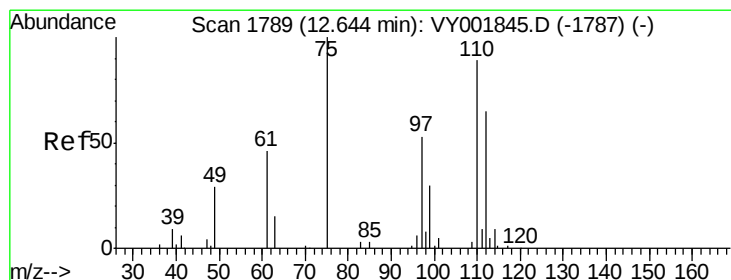
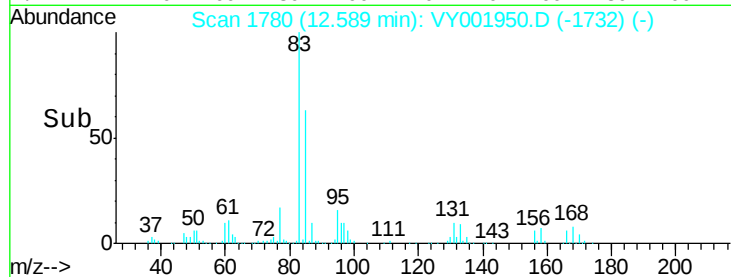
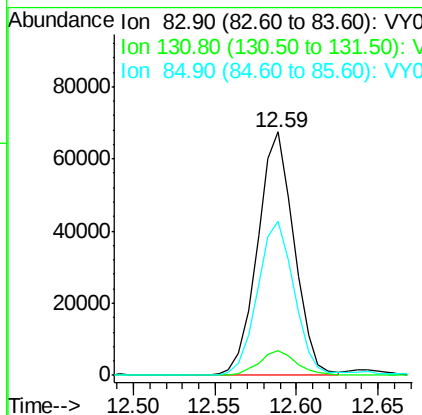
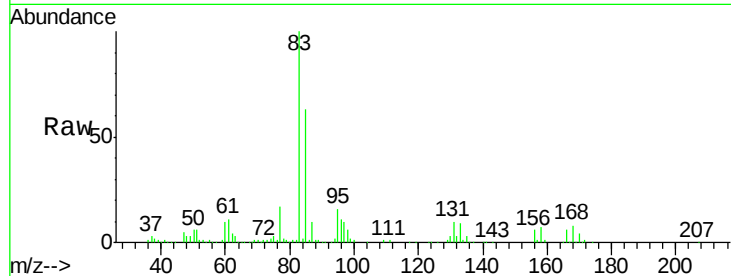
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	103907
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.6	13.8
85	63.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.415 ug/l m

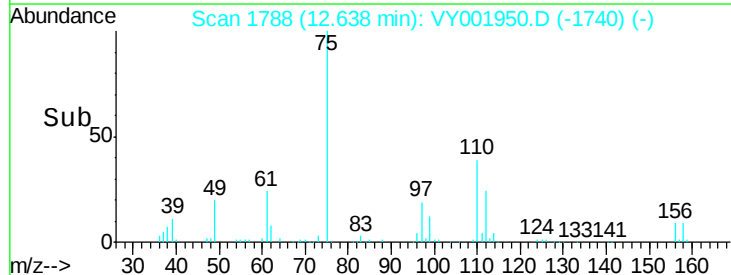
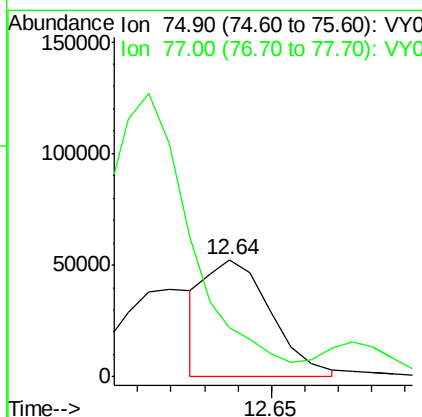
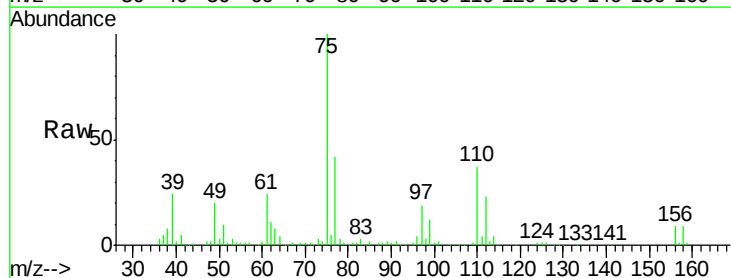
RT: 12.64 min Scan# 1788

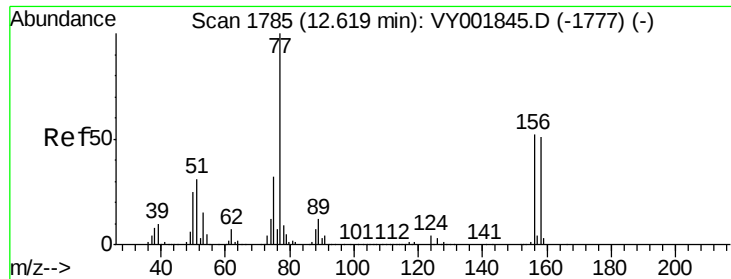
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	75	Resp:	71924
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





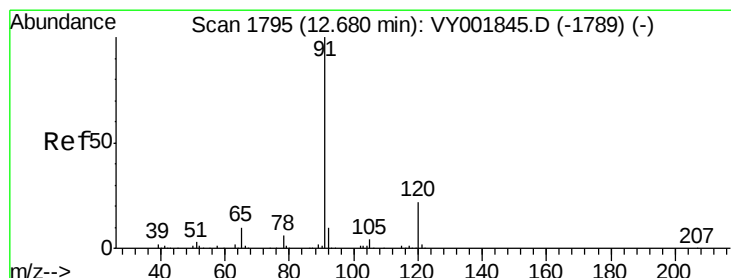
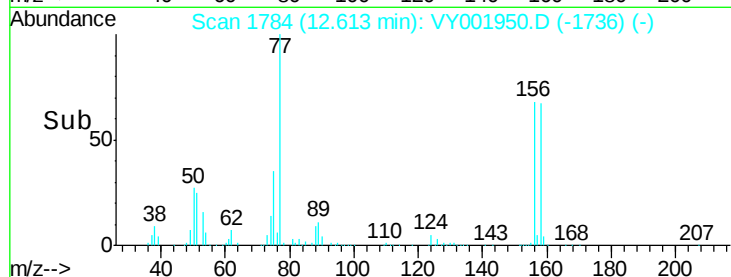
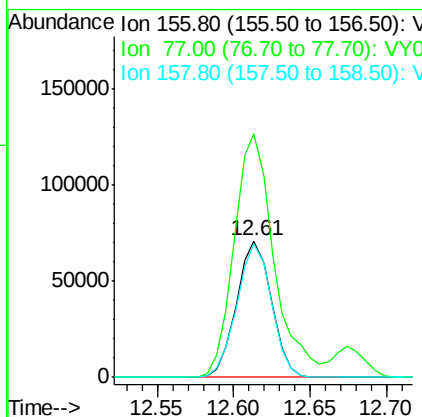
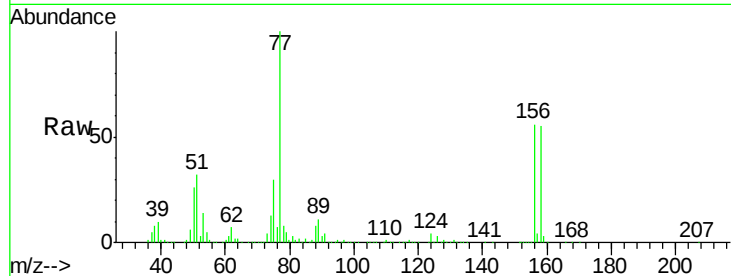
#77
Bromobenzene
Concen: 50.743 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	204.3	109.0	327.0	
158	97.4	48.9	146.8	

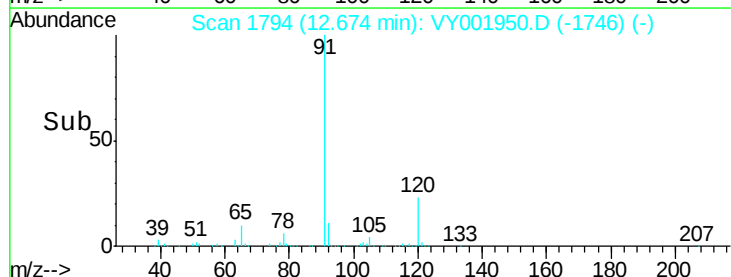
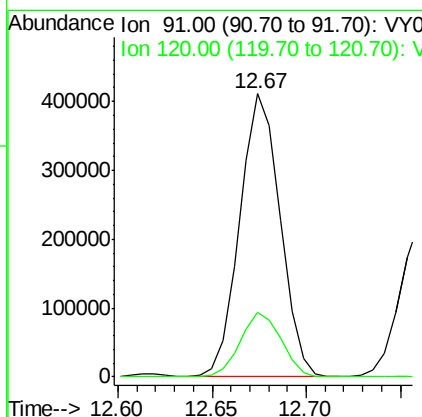
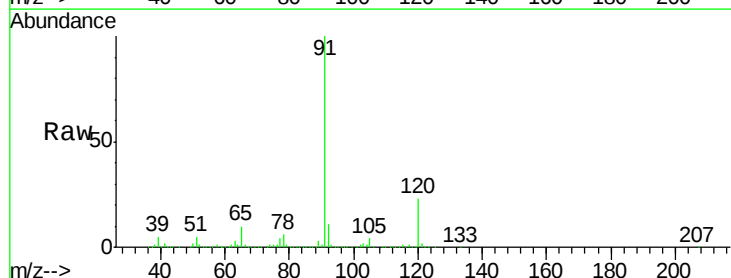
Manual Integrations
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#78
n-propylbenzene
Concen: 47.585 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.0	33.0	





#79

2-Chlorotoluene

Concen: 48.679 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 345671

Ion Ratio Lower Upper

91 100

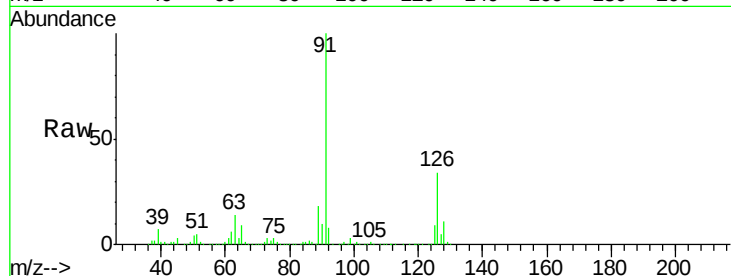
126 33.3 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001950.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001950.D (-1760) (-)

400000

300000

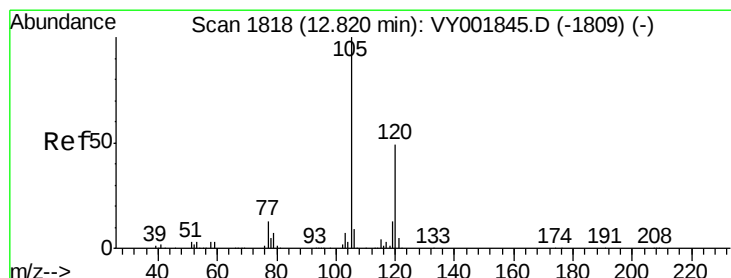
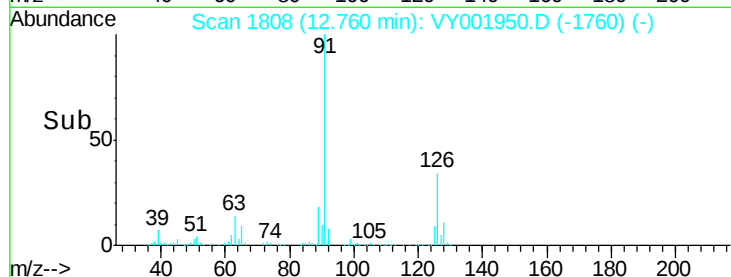
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.774 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001950.D

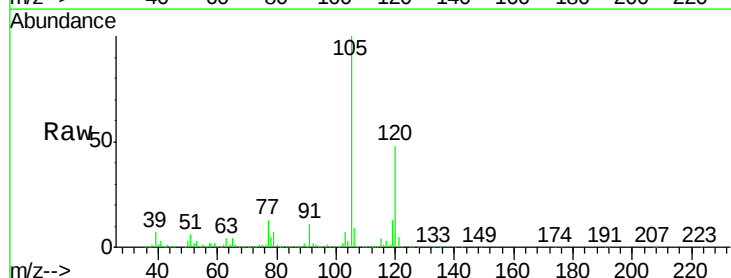
Acq: 11 Mar 2020 18:13

Tgt Ion: 105 Resp: 435468

Ion Ratio Lower Upper

105 100

120 48.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001950.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001950.D (-1769) (-)

300000

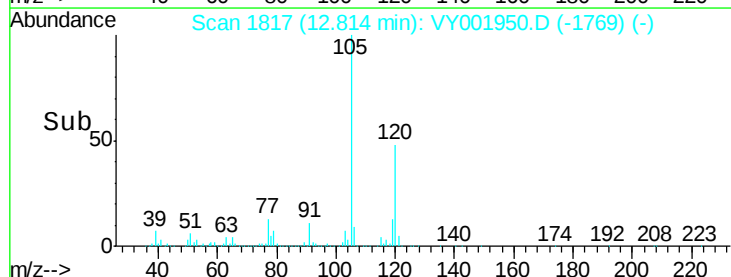
200000

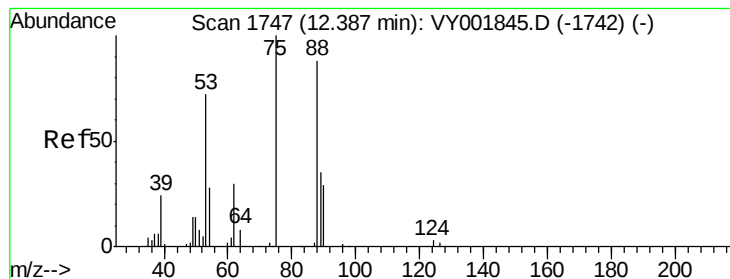
100000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.148 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

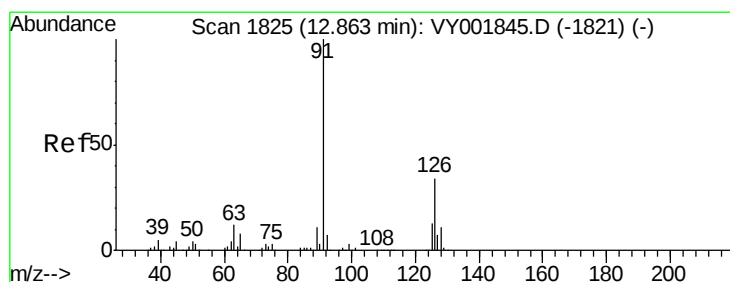
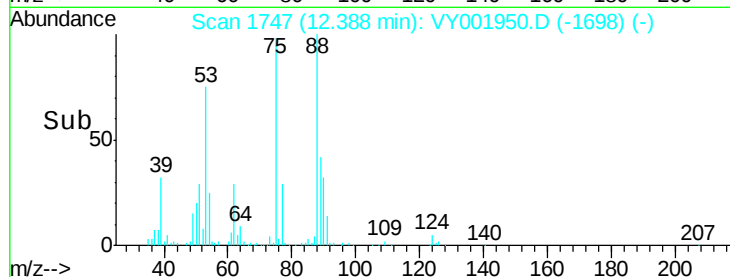
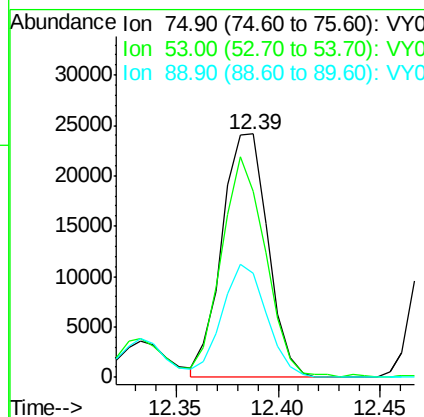
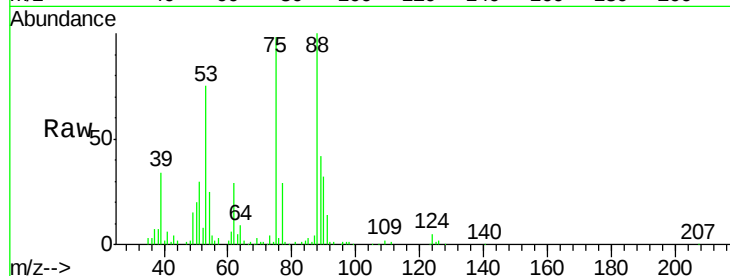
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	37798
Ion	Ratio	Lower	Upper
75	100		
53	86.3	65.4	98.0
89	45.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.321 ug/l

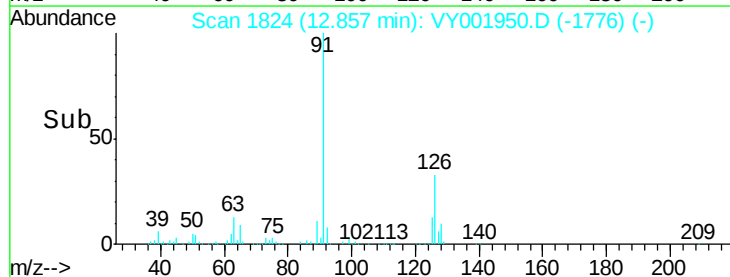
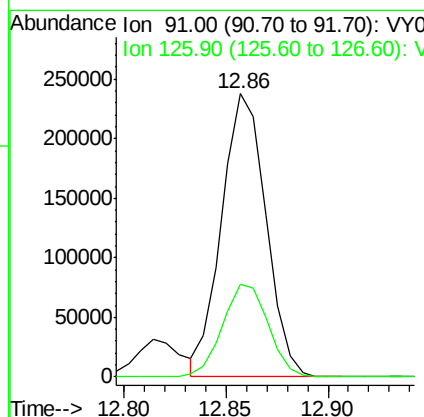
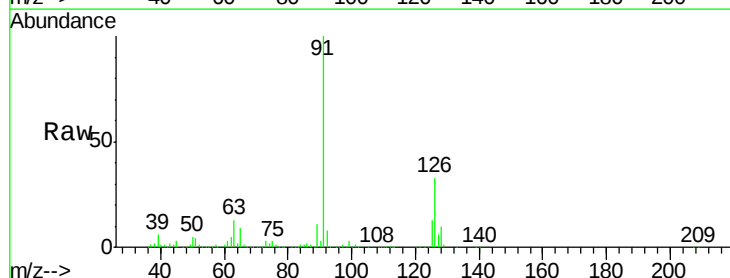
RT: 12.86 min Scan# 1824

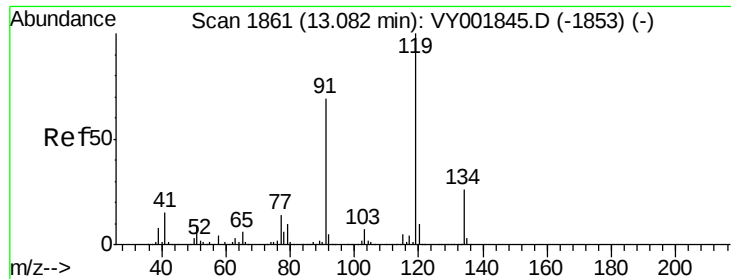
Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	91	Resp:	357261
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.2





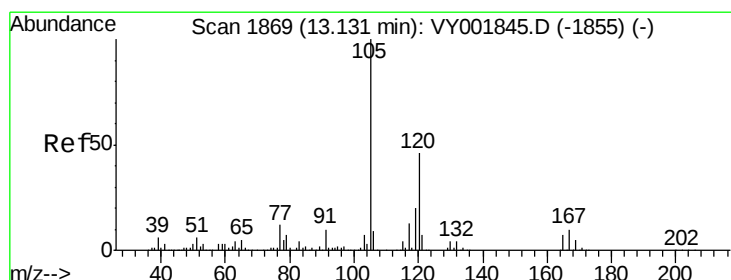
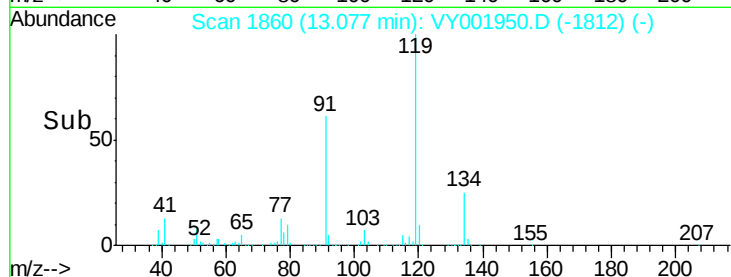
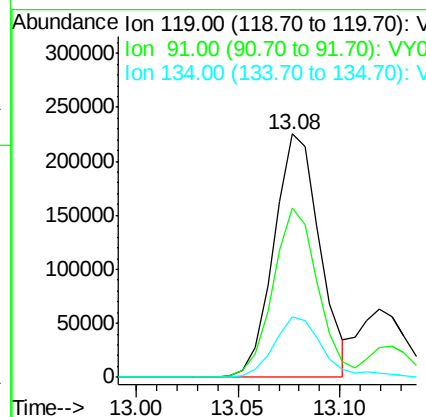
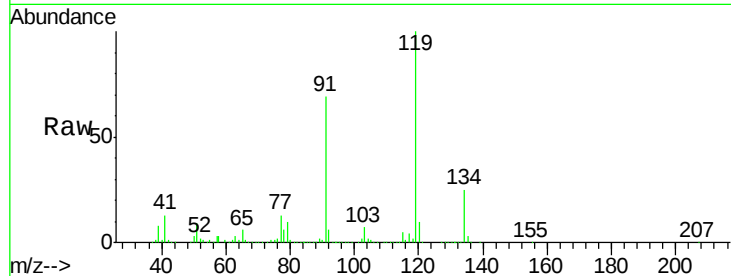
#83
tert-Butylbenzene
Concen: 49.495 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352584		
91	68.2	34.0	101.8	
134	27.0	13.5	40.4	

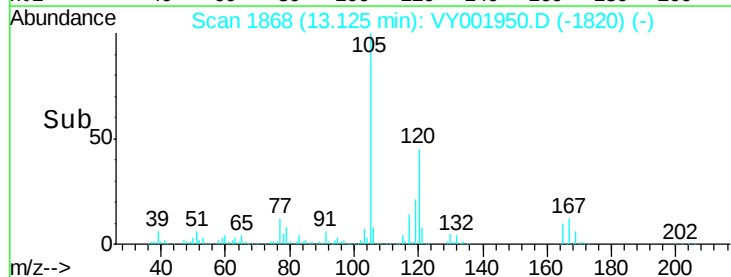
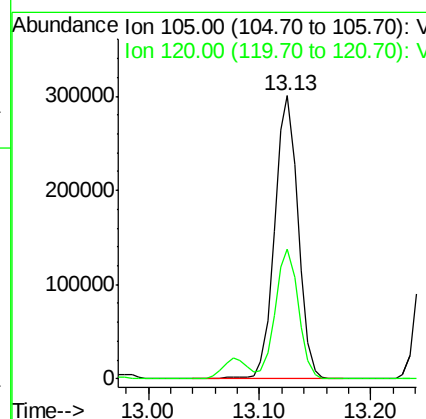
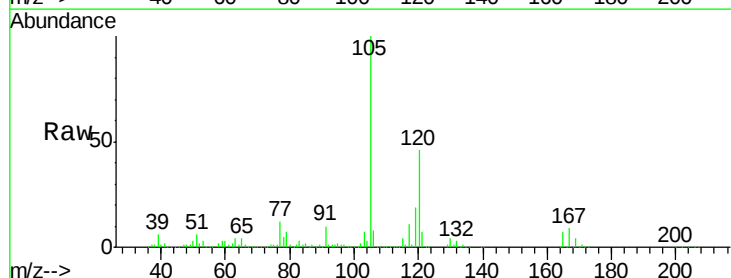
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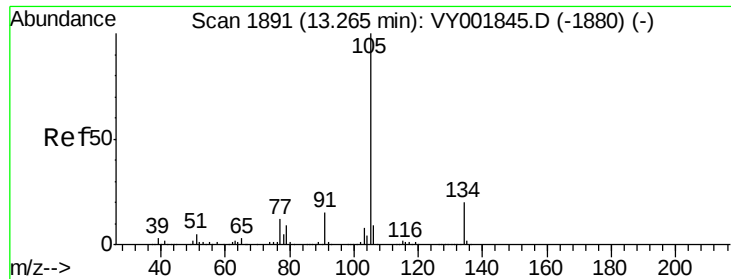
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#84
1,2,4-Trimethylbenzene
Concen: 51.696 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	440012		
120	45.5	22.6	67.7	





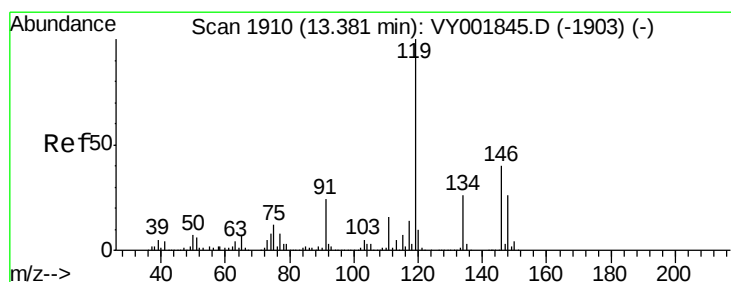
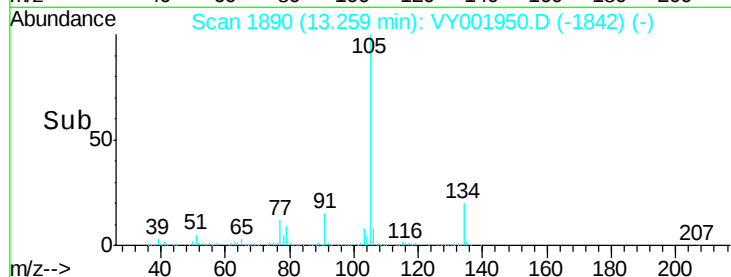
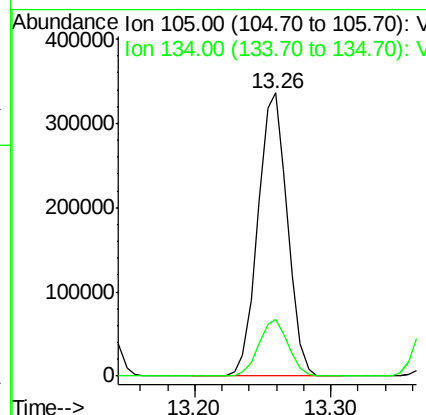
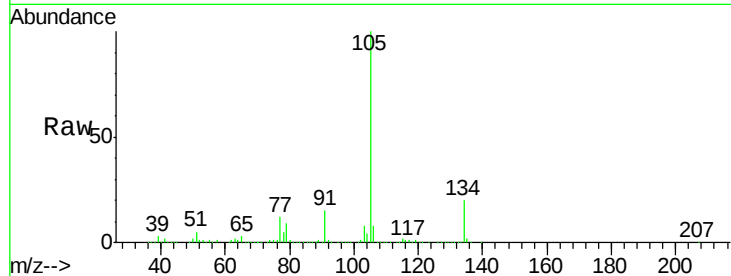
#85
 sec-Butylbenzene
 Concen: 48.631 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	29.1

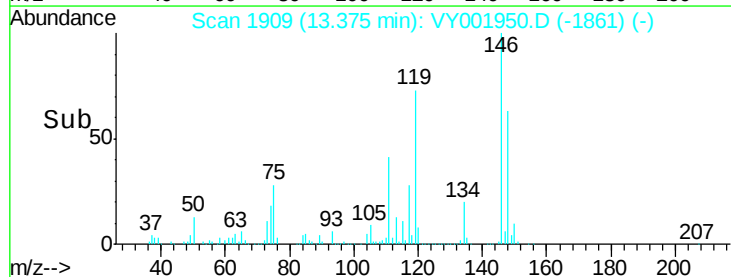
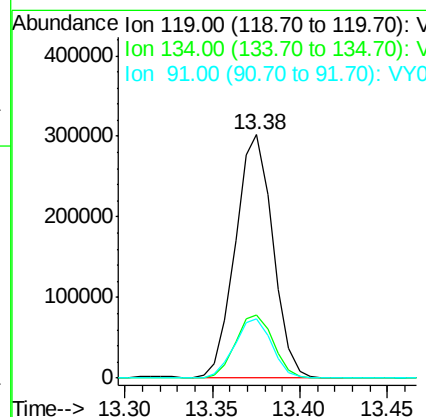
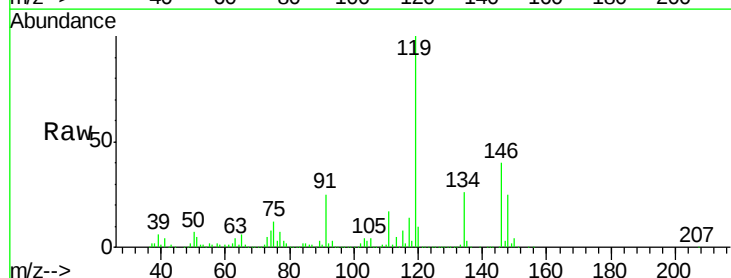
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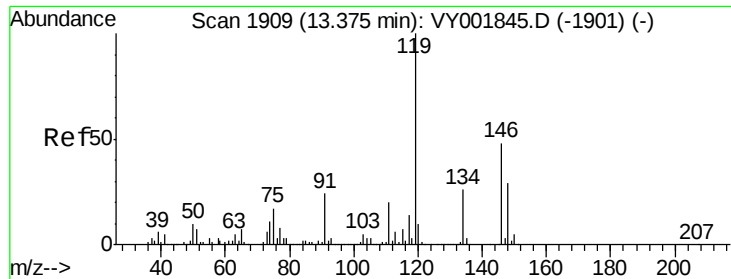
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#86
 p-Isopropyltoluene
 Concen: 49.496 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.2	11.9	35.7





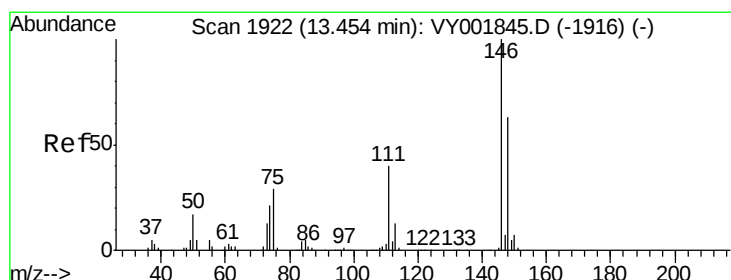
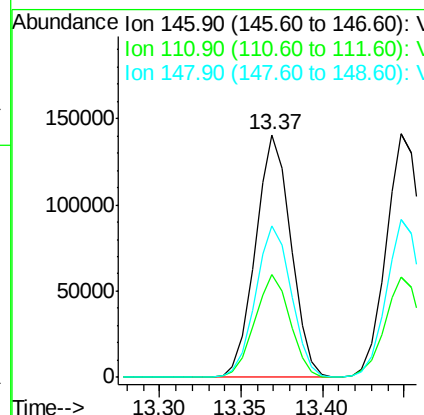
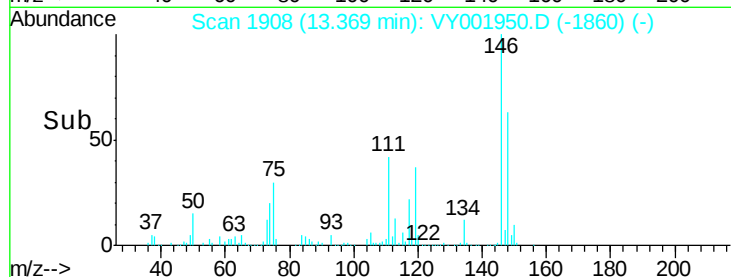
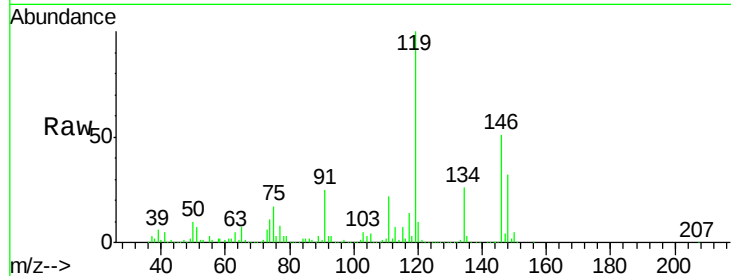
#87
 1,3-Dichlorobenzene
 Concen: 49.416 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	63.1	31.4	94.0

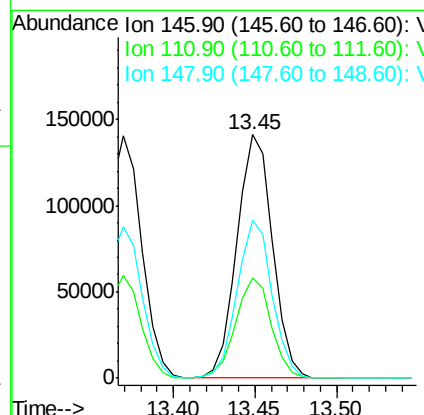
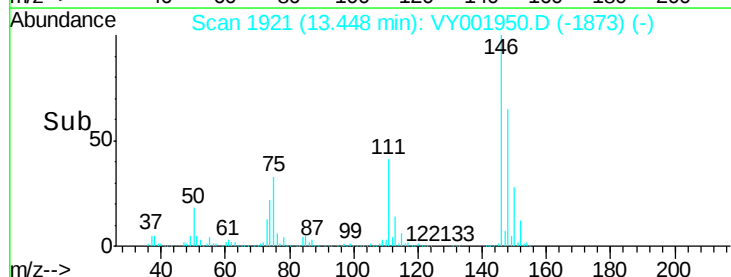
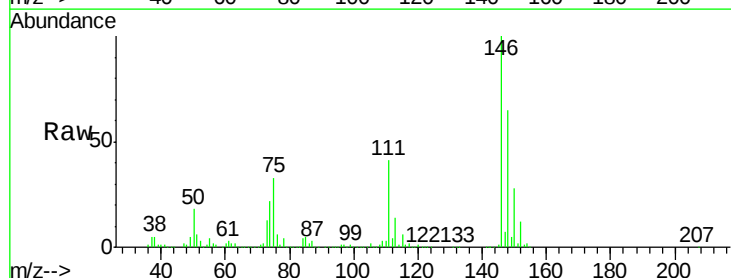
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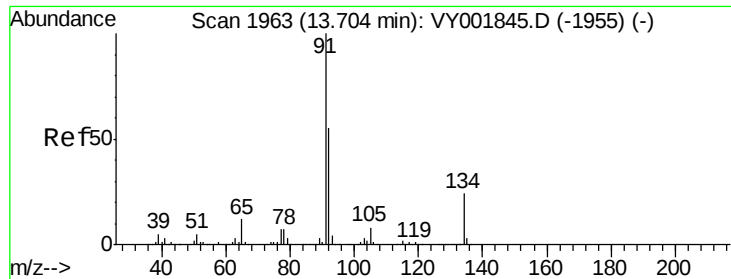
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.813 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.6	31.5	94.5





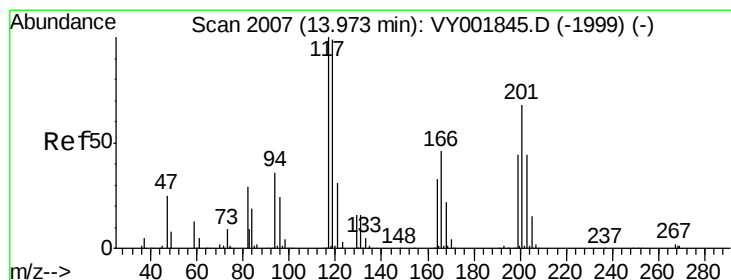
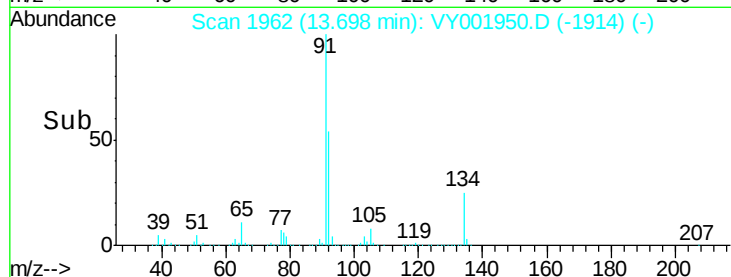
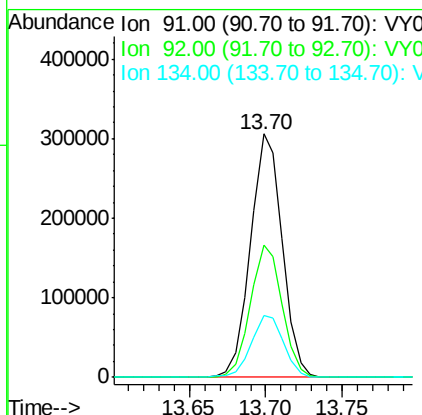
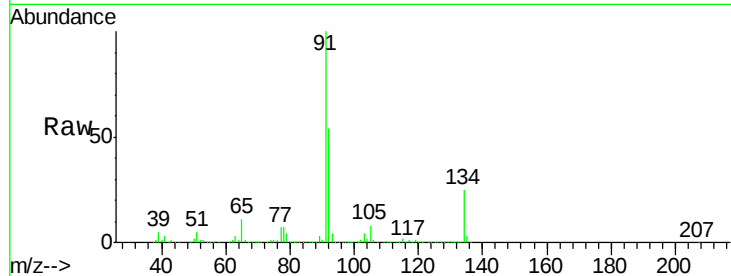
#89
n-Butylbenzene
Concen: 46.811 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	26.2	12.5	37.5

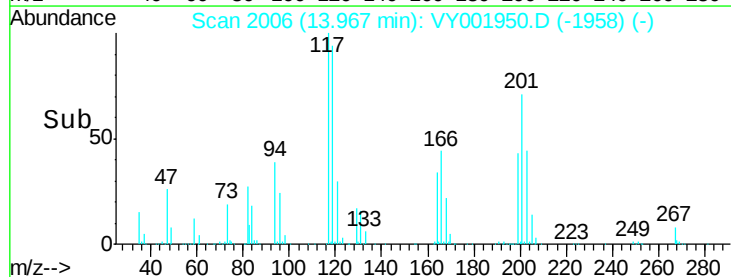
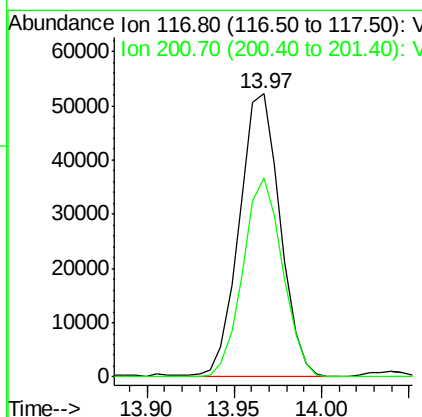
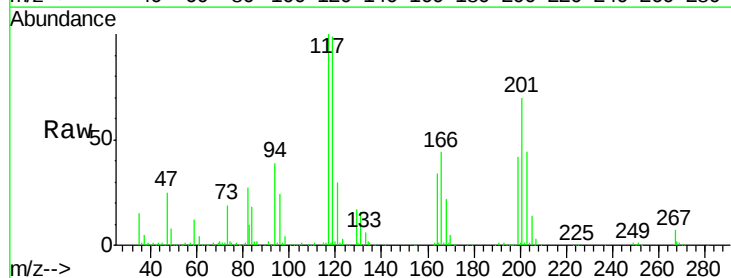
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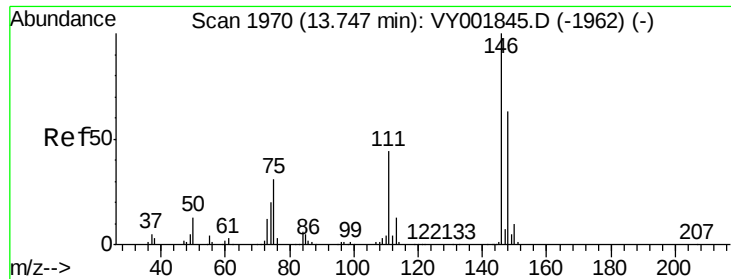
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#90
Hexachloroethane
Concen: 49.541 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001950.D
Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	32.5	97.5





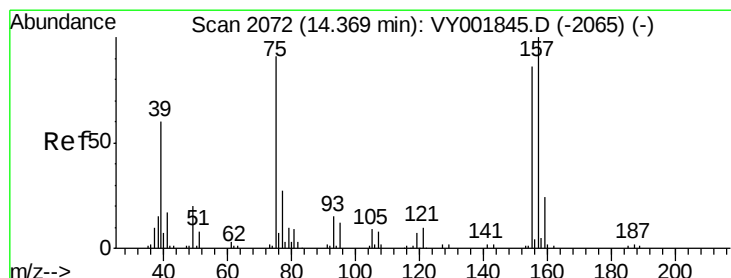
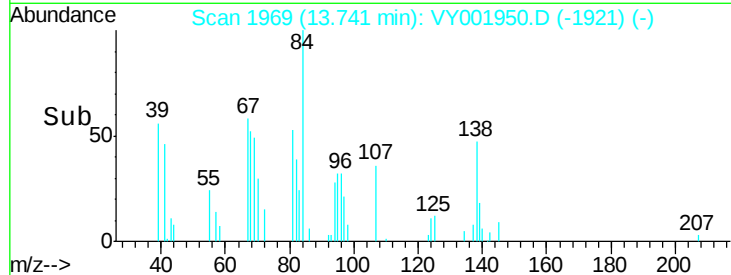
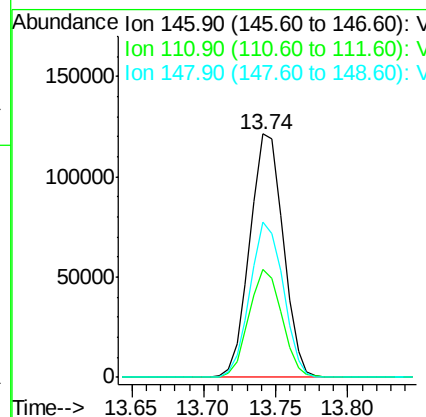
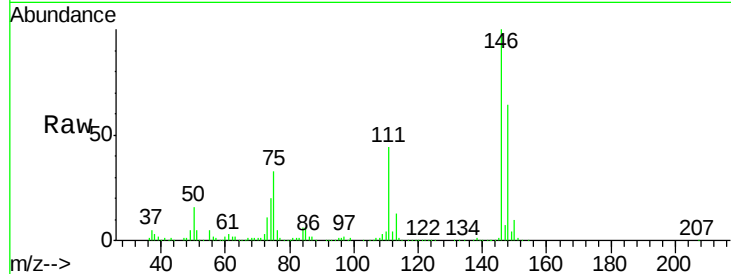
#91
 1,2-Dichlorobenzene
 Concen: 49.549 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.5	64.5
148	63.3	32.0	96.0

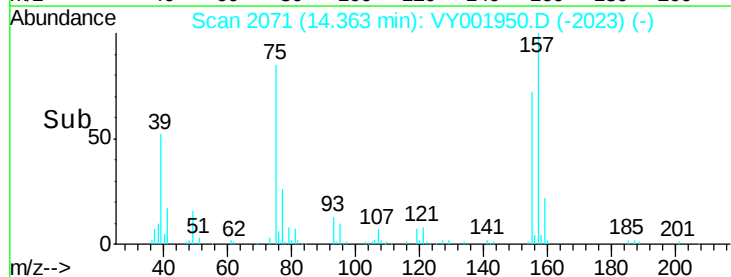
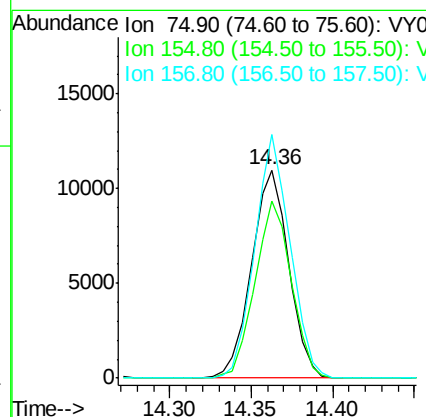
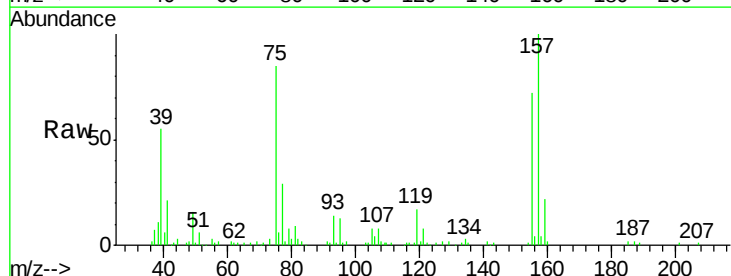
Manual Integrations
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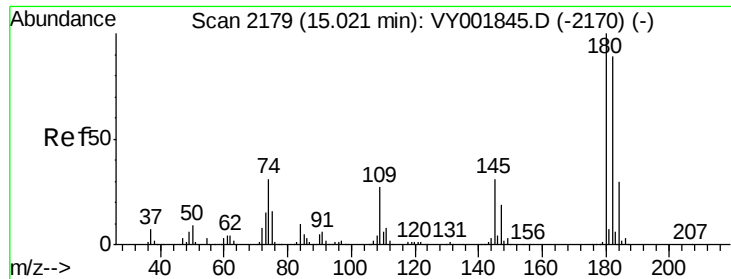
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.473 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	42.9	128.7
157	111.2	53.1	159.4





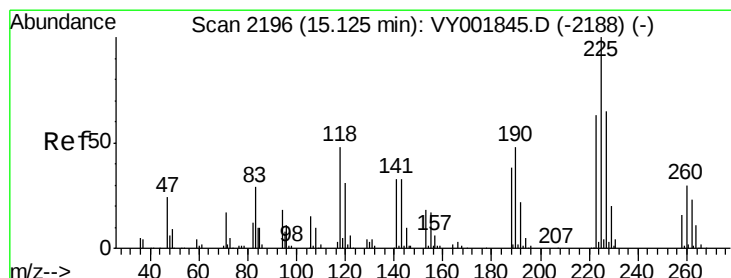
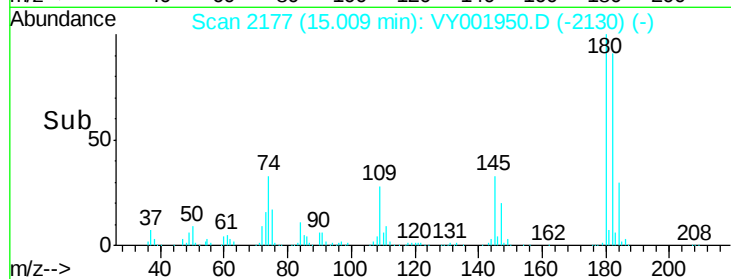
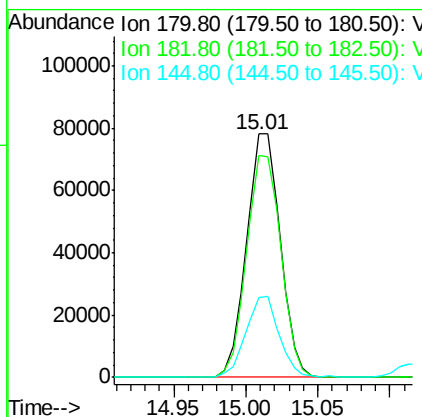
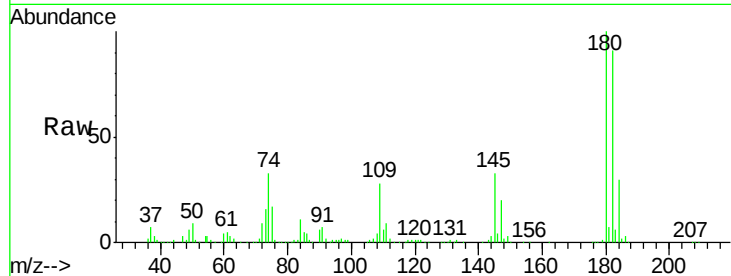
#93
 1,2,4-Trichlorobenzene
 Concen: 49.542 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126250		
182	92.9	46.1	138.3	
145	33.1	15.6	46.8	

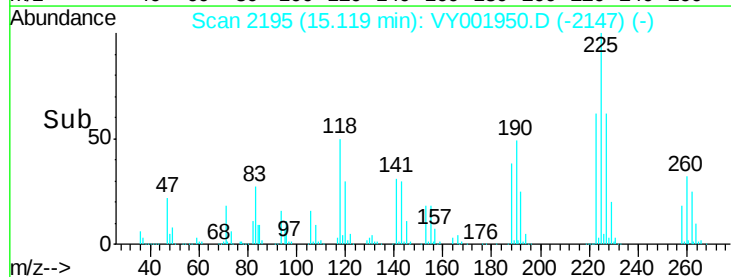
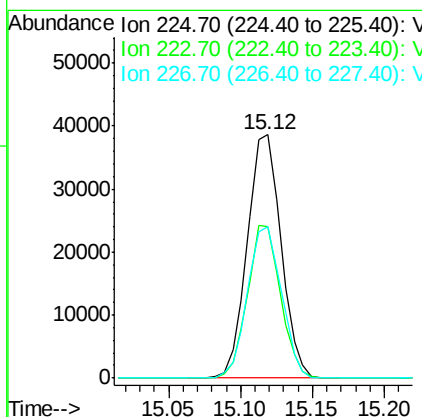
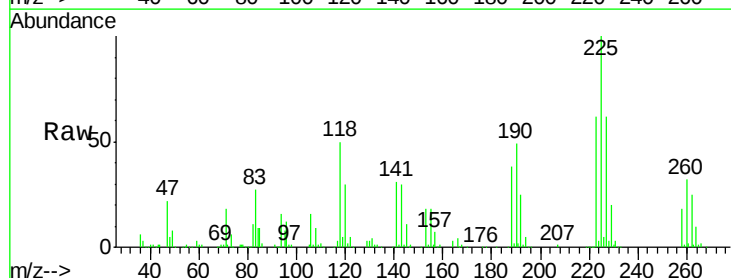
Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:46:21 PM



#94
 Hexachlorobutadiene
 Concen: 50.339 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001950.D
 Acq: 11 Mar 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62543		
223	61.4	31.5	94.5	
227	62.6	31.9	95.5	





#95

Naphthalene

Concen: 49.087 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_Y

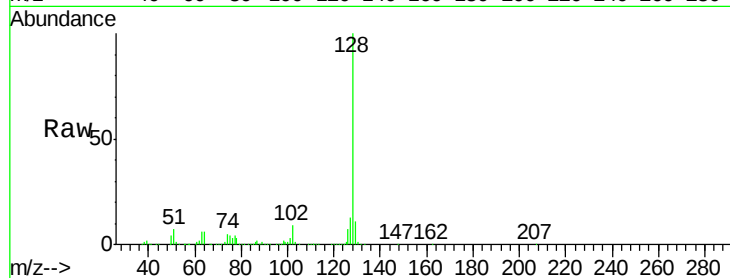
ClientSampleId :

VSTDCCC050EC

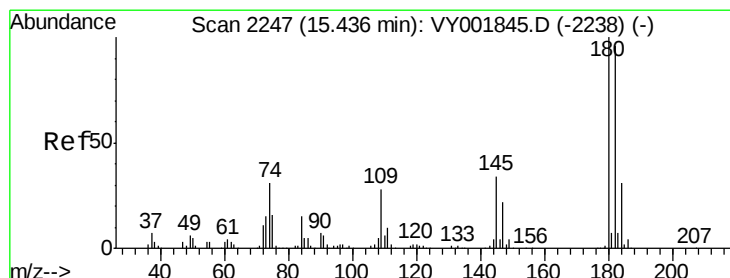
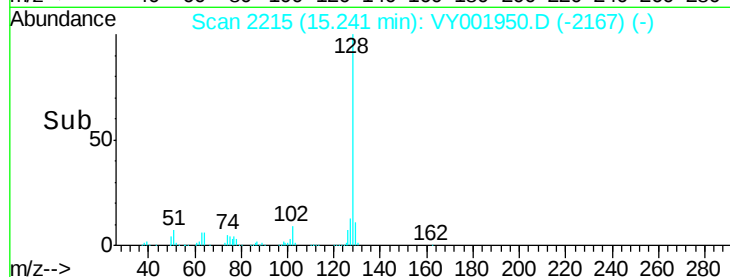
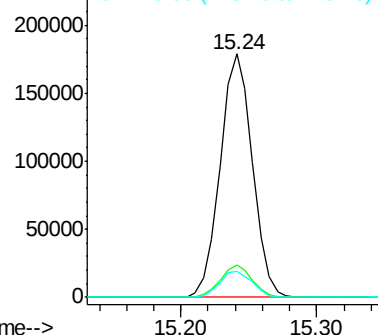
Tot Ion:	128	Resp:	296712
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:46:21 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.623 ug/l

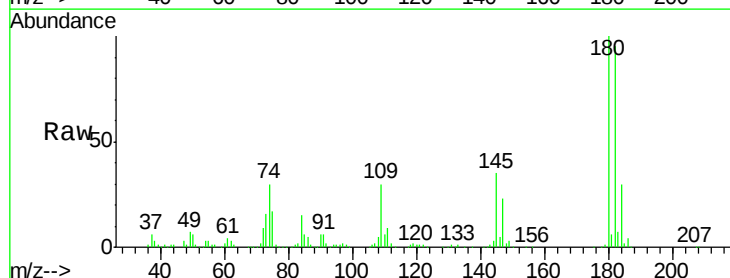
RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001950.D

Acq: 11 Mar 2020 18:13

Tgt Ion:	180	Resp:	109157
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.9
145	35.6	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

