

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001844.D
 Acq On : 04 Mar 2020 11:11
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:08 PM

Quant Time: Mar 04 17:35:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	172498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	313647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	35568	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
35) Dibromofluoromethane	7.74	113	33684	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	10.19	98	142071	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
62) 4-Bromofluorobenzene	12.49	95	48866	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31944	20.379	ug/l	96
3) Chloromethane	2.13	50	43576	20.802	ug/l	100
4) Vinyl Chloride	2.27	62	44852	20.985	ug/l	98
5) Bromomethane	2.66	94	29888	21.342	ug/l	97
6) Chloroethane	2.81	64	27903	20.607	ug/l	96
7) Trichlorofluoromethane	3.15	101	58565	19.901	ug/l	96
8) Diethyl Ether	3.55	74	22927	20.040	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	38328	20.508	ug/l	100
10) Methyl Iodide	4.12	142	44845	20.675	ug/l	98
11) Tert butyl alcohol	4.99	59	19662	92.862	ug/l	97
12) 1,1-Dichloroethene	3.90	96	38658	20.494	ug/l	98
13) Acrolein	3.76	56	25942	101.133	ug/l	97
14) Allyl chloride	4.51	41	70077	20.769	ug/l	98
15) Acrylonitrile	5.20	53	57190	93.579	ug/l	98
16) Acetone	3.97	43	45841	87.385	ug/l	97
17) Carbon Disulfide	4.22	76	129418	20.489	ug/l	98
18) Methyl Acetate	4.51	43	25182	18.738	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	99923	19.554	ug/l	99
20) Methylene Chloride	4.75	84	43835	19.285	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	43852	20.556	ug/l	95
22) Diisopropyl ether	6.15	45	140930	20.697	ug/l	97
23) Vinyl Acetate	6.10	43	441221	98.661	ug/l	99
24) 1,1-Dichloroethane	6.05	63	76693	20.824	ug/l	99
25) 2-Butanone	7.02	43	71582	88.588	ug/l	100
26) 2,2-Dichloropropane	7.01	77	61791	20.181	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47572	20.534	ug/l	98
28) Bromochloromethane	7.36	49	33821	20.066	ug/l	99
29) Tetrahydrofuran	7.38	42	49272	92.626	ug/l	98
30) Chloroform	7.54	83	71122	20.371	ug/l	99
31) Cyclohexane	7.81	56	81796	20.603	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	60422	20.477	ug/l	98
36) 1,1-Dichloropropene	7.94	75	61379	20.835	ug/l	99
37) Ethyl Acetate	7.10	43	32726	18.652	ug/l	100
38) Carbon Tetrachloride	7.93	117	50984	20.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78859	20.026	ug/l	98
40) Benzene	8.18	78	179563	20.502	ug/l	100
41) Methacrylonitrile	7.35	41	15403m	7.419	ug/l	
42) 1,2-Dichloroethane	8.26	62	45767	20.246	ug/l	100
43) Isopropyl Acetate	8.30	43	60744	18.614	ug/l	100
44) Trichloroethene	8.96	130	43940	20.555	ug/l	94
45) 1,2-Dichloropropane	9.23	63	45518	20.595	ug/l	94
46) Dibromomethane	9.32	93	22491	19.641	ug/l	99
47) Bromodichloromethane	9.51	83	53970	20.390	ug/l	100
48) Methyl methacrylate	9.31	41	27707	18.735	ug/l	99
49) 1,4-Dioxane	9.31	88	5711	378.239	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	151566	90.129	ug/l	99
52) Toluene	10.25	92	108899	20.508	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	56436	19.523	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	69006	20.029	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32782	19.620	ug/l	98
56) Ethyl methacrylate	10.52	69	45860	18.836	ug/l	95
57) 1,3-Dichloropropane	10.80	76	58184	19.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	122055	123.575	ug/l	100
59) 2-Hexanone	10.84	43	106771	89.296	ug/l	99
60) Dibromochloromethane	10.99	129	34299	19.533	ug/l	100
61) 1,2-Dibromoethane	11.10	107	30327	19.421	ug/l	100
64) Tetrachloroethene	10.73	164	35647	20.898	ug/l	93
65) Chlorobenzene	11.52	112	111210	20.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36542	20.757	ug/l	99
67) Ethyl Benzene	11.60	91	212282	21.043	ug/l	99
68) m/p-Xylenes	11.71	106	154161	41.293	ug/l	99
69) o-Xylene	12.03	106	73368	20.894	ug/l	100
70) Styrene	12.05	104	126115	20.764	ug/l	99
71) Bromoform	12.22	173	17709	18.389	ug/l #	96
73) Isopropylbenzene	12.34	105	196587	20.424	ug/l	100
74) N-amyl acetate	12.15	43	55860	18.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38728	18.665	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	27643m	11.352	ug/l	
77) Bromobenzene	12.61	156	42447	20.769	ug/l	95
78) n-propylbenzene	12.68	91	245189	20.653	ug/l	100
79) 2-Chlorotoluene	12.76	91	134205	20.439	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	165473	20.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13243	17.778	ug/l	92
82) 4-Chlorotoluene	12.86	91	140117	20.604	ug/l	99
83) tert-Butylbenzene	13.08	119	138236	20.992	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	165123	20.954	ug/l	100
85) sec-Butylbenzene	13.26	105	202417	20.816	ug/l	100
86) p-Isopropyltoluene	13.38	119	175460	21.010	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	84070	20.937	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84678	20.979	ug/l	99
89) n-Butylbenzene	13.70	91	182447	21.178	ug/l	98
90) Hexachloroethane	13.97	117	32768	20.942	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	75433	20.828	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5492	17.014	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48203	20.397	ug/l	99
94) Hexachlorobutadiene	15.12	225	24403	21.229	ug/l	99
95) Naphthalene	15.25	128	104864	18.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42264	20.244	ug/l	99

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

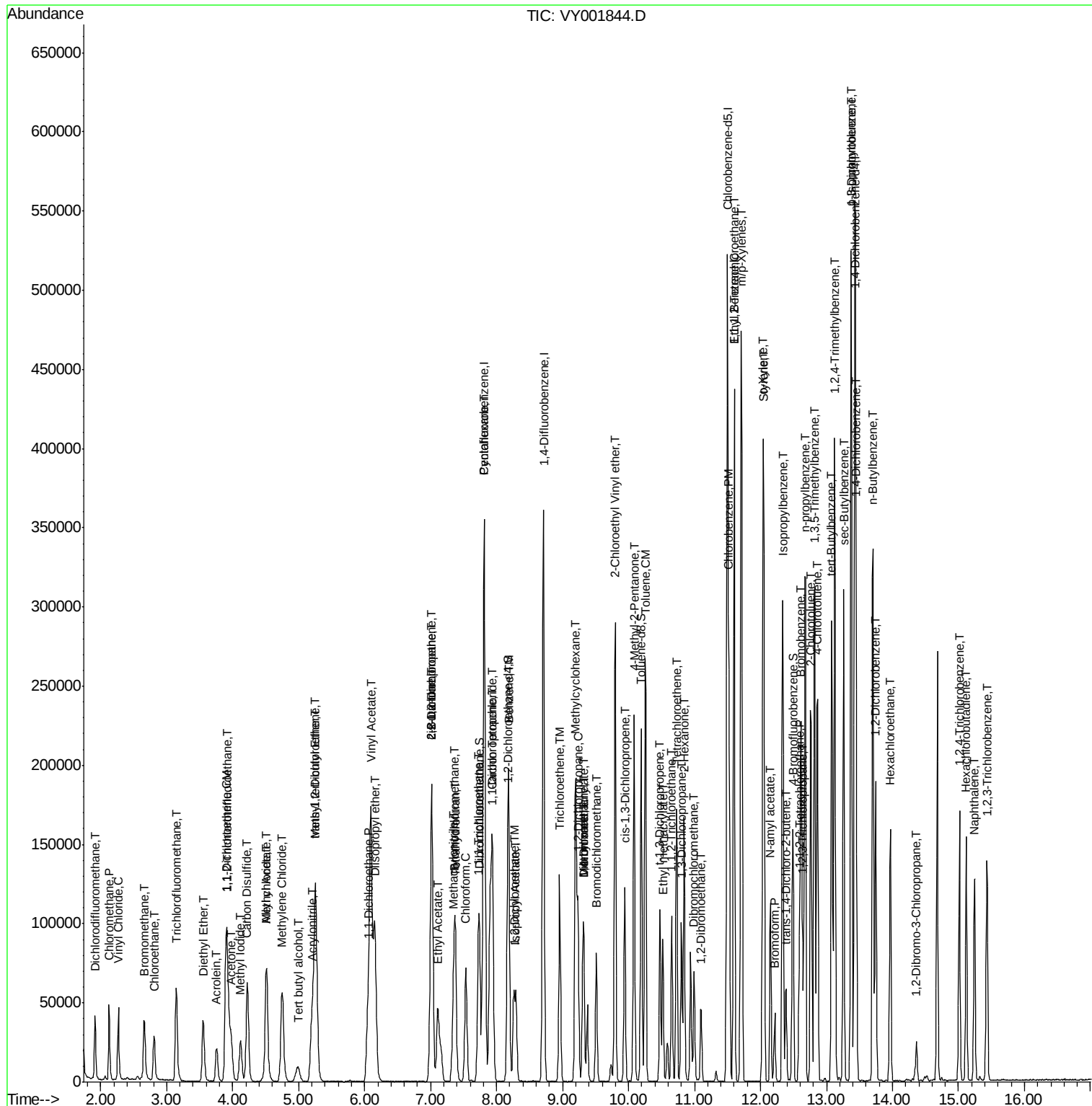
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 172498

Ion Ratio Lower Upper

168 100

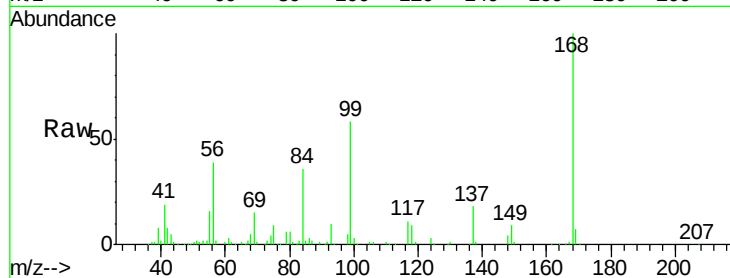
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Manual Integrations

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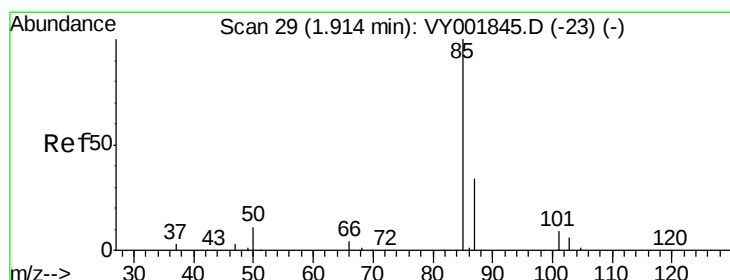
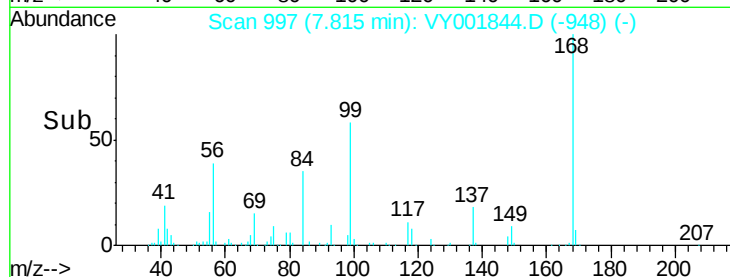
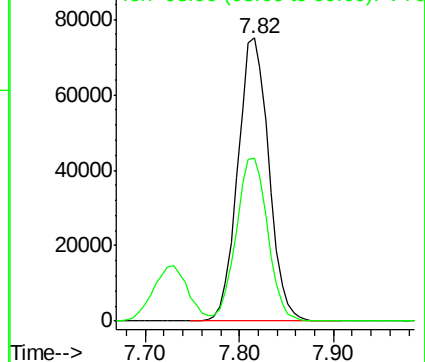
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Abundance Ion 167.90 (167.60 to 168.60): VY001844.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001844.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 20.379 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001844.D

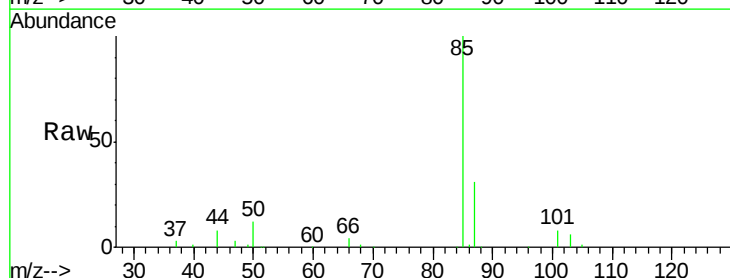
Acq: 04 Mar 2020 11:11

Tgt Ion: 85 Resp: 31944

Ion Ratio Lower Upper

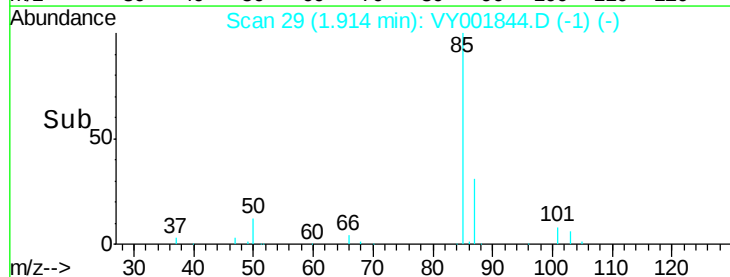
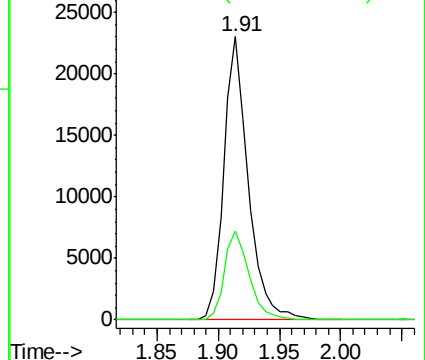
85 100

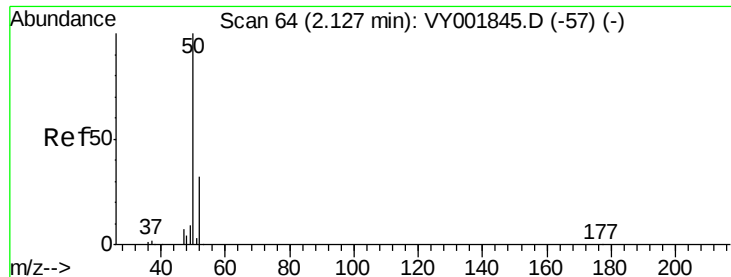
87 31.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001844.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001844.D (-23) (-)





#3

Chloromethane

Concen: 20.802 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tot Ion: 50 Resp: 43576

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

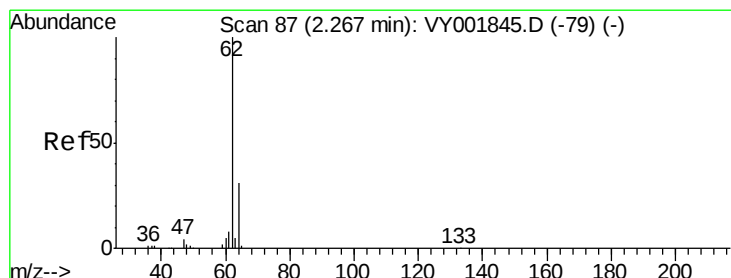
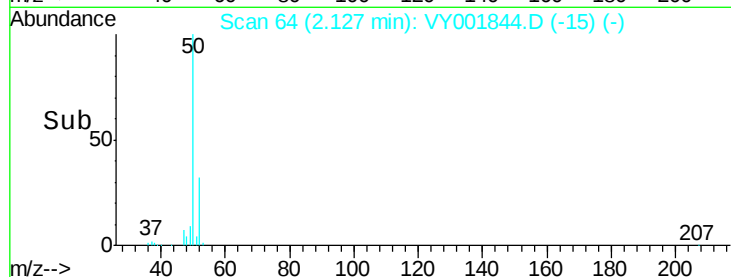
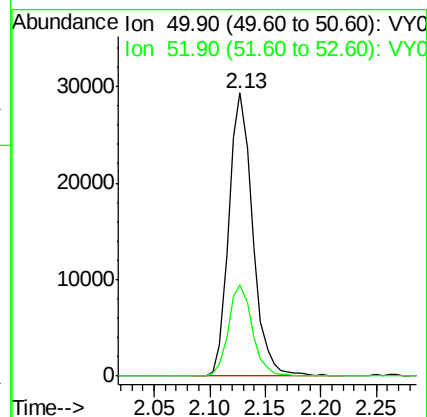
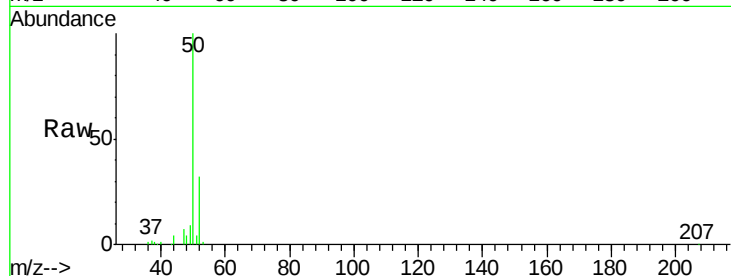
VSTDIC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.985 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001844.D

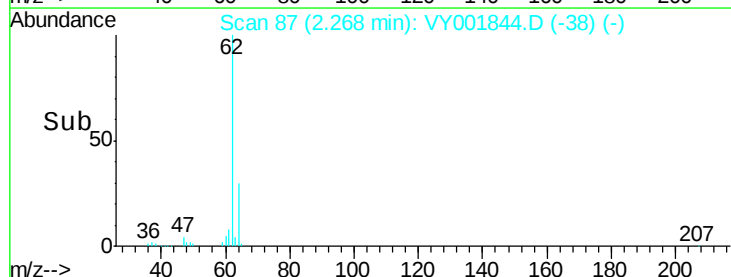
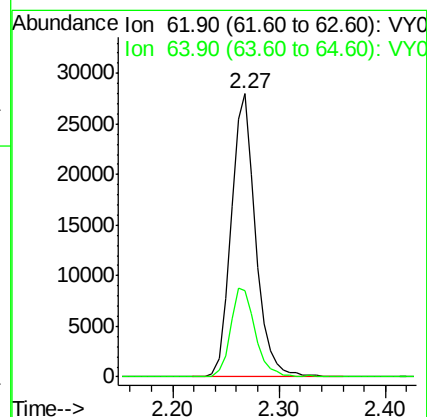
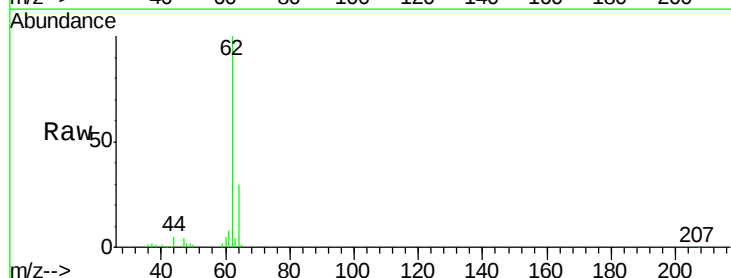
Acq: 04 Mar 2020 11:11

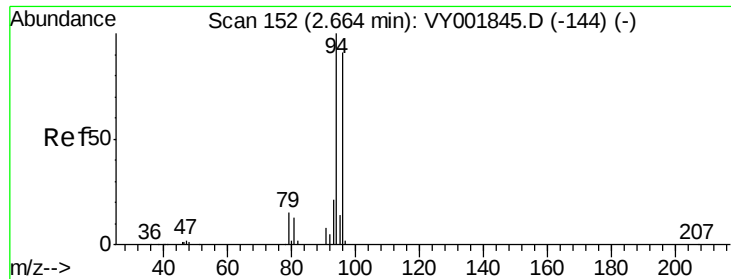
Tgt Ion: 62 Resp: 44852

Ion Ratio Lower Upper

62 100

64 30.5 25.1 37.7





#5

Bromomethane

Concen: 21.342 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 29888

Ion Ratio Lower Upper

94 100

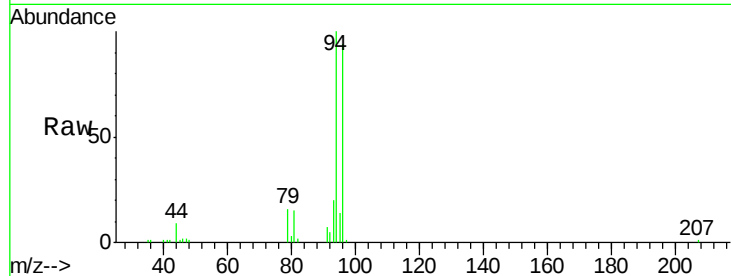
96 94.1 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY001844.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001844.D (-144) (-)

2.66

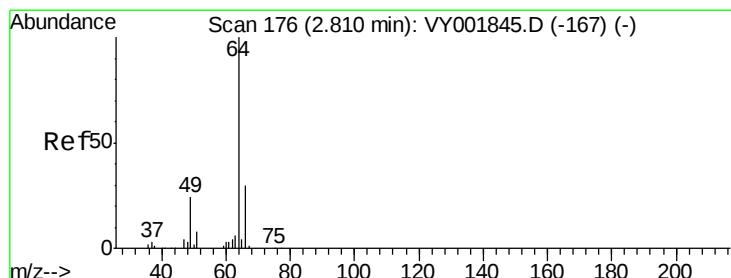
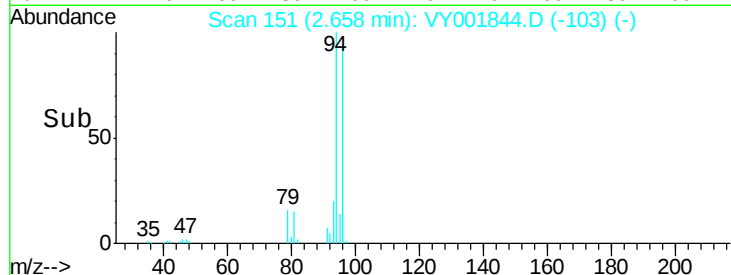
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.607 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001844.D

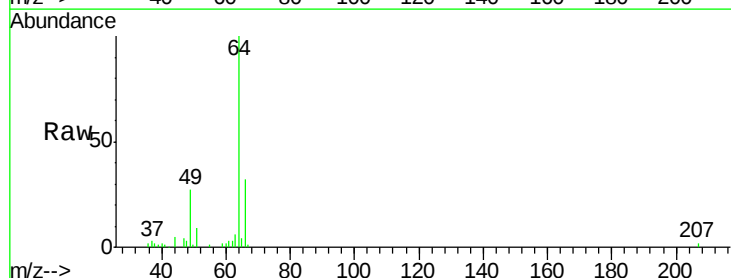
Acq: 04 Mar 2020 11:11

Tgt Ion: 64 Resp: 27903

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY001844.D (-127) (-)

Ion 65.90 (65.60 to 66.60): VY001844.D (-127) (-)

2.81

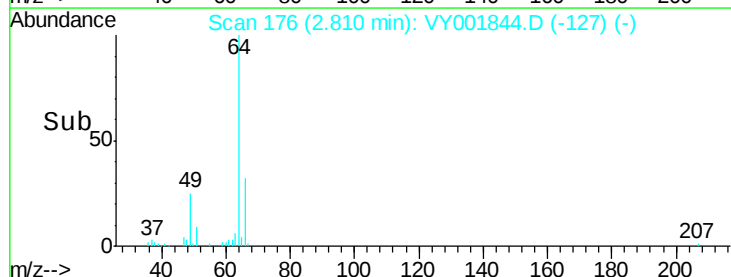
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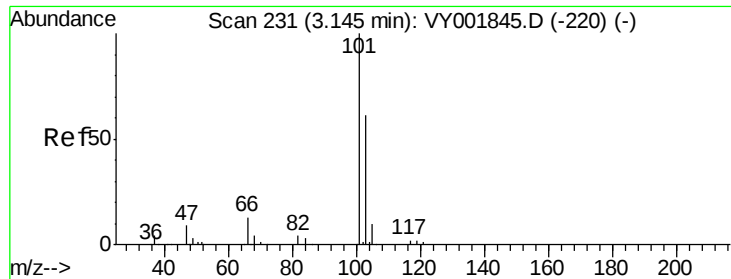
10000

5000

0

Time-->





#7

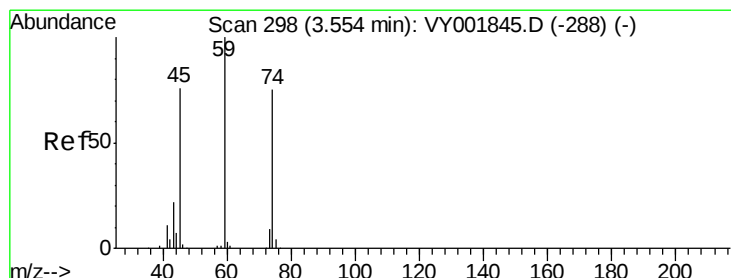
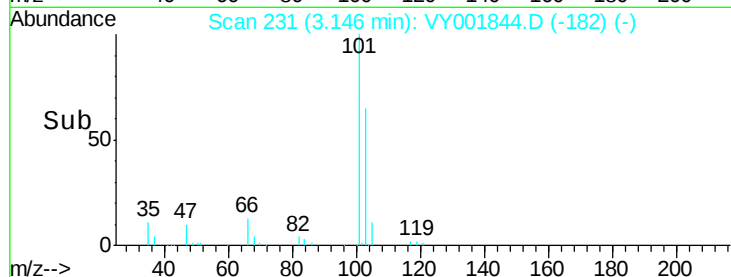
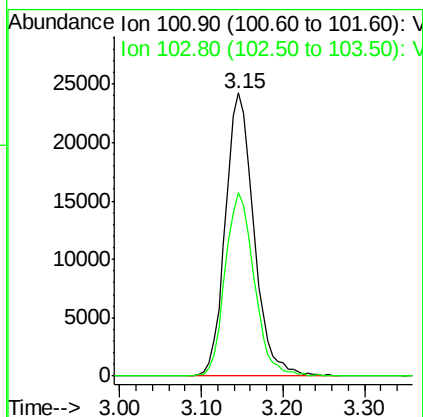
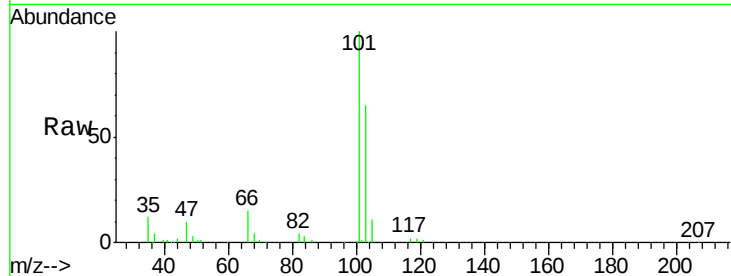
Trichlorofluoromethane
Concen: 19.901 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.1	73.7

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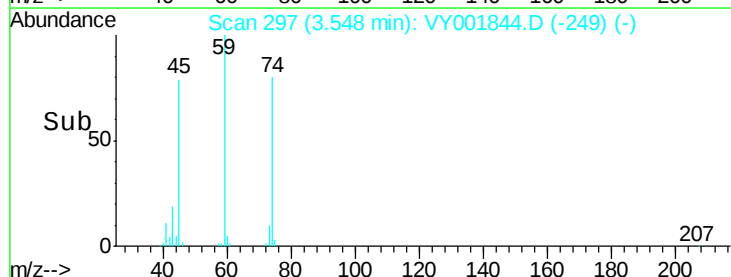
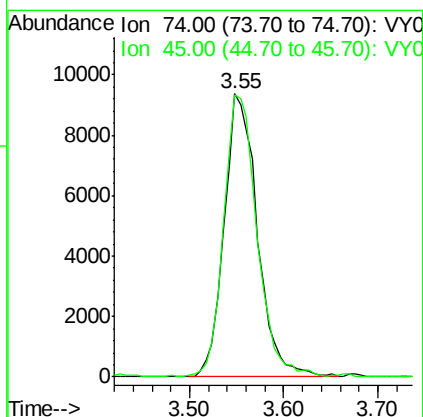
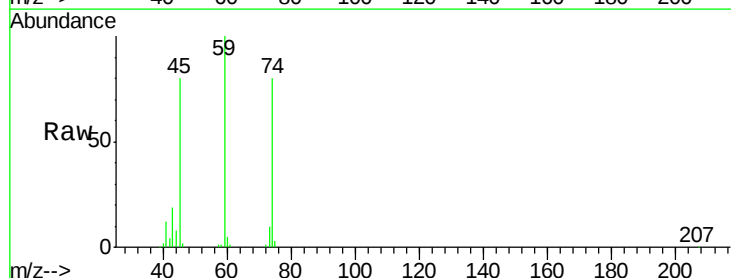
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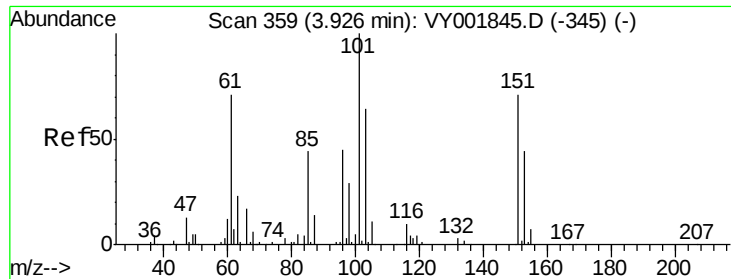


#8

Diethyl Ether
Concen: 20.040 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001844.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.508 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001844.D

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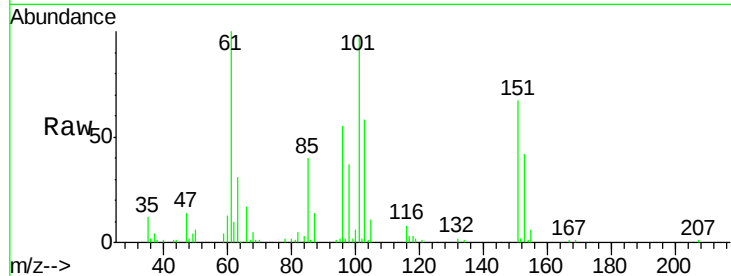
ClientSampleId :

VSTDIC020

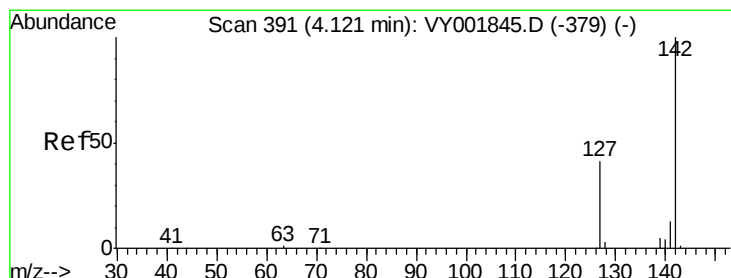
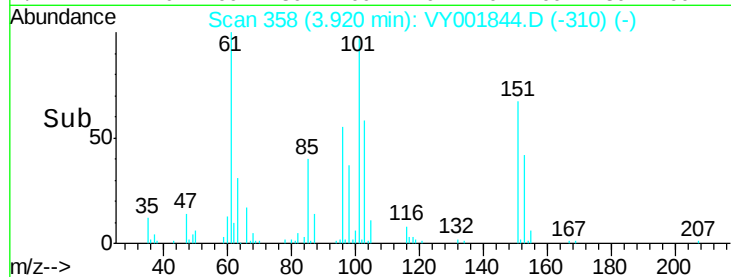
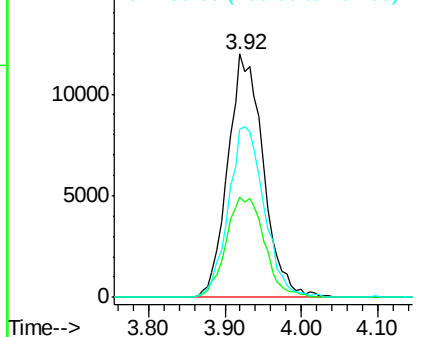
Tot Ion:	101	Resp:	38328
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	71.0	57.0	85.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.675 ug/l

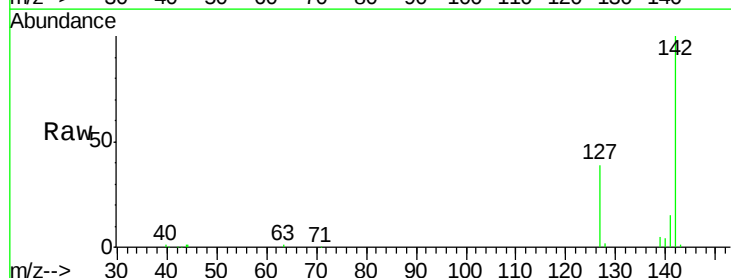
RT: 4.12 min Scan# 391

Delta R.T. 0.00 min

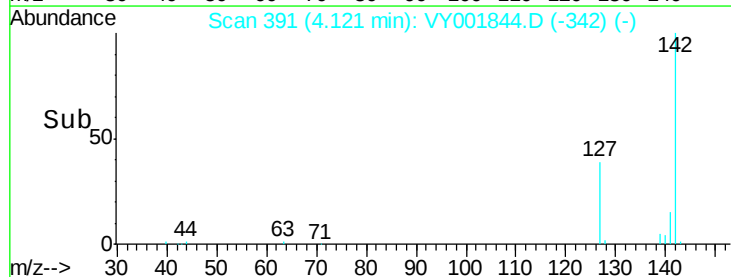
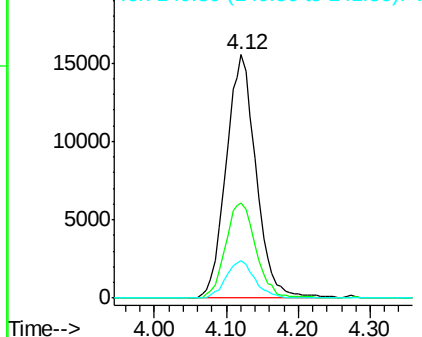
Lab File: VY001844.D

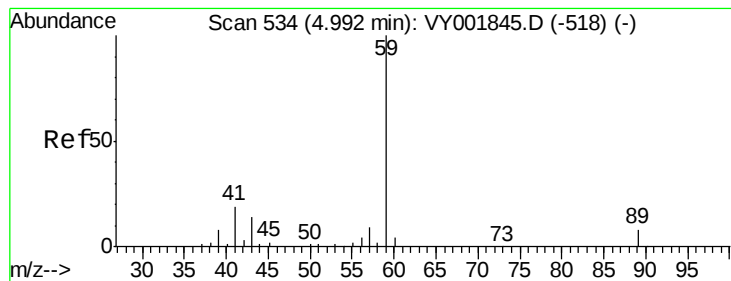
Acq: 04 Mar 2020 11:11

Tgt Ion:	142	Resp:	44845
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.7	49.1
141	14.6	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

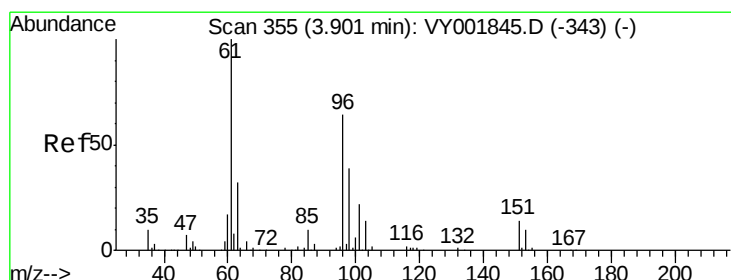
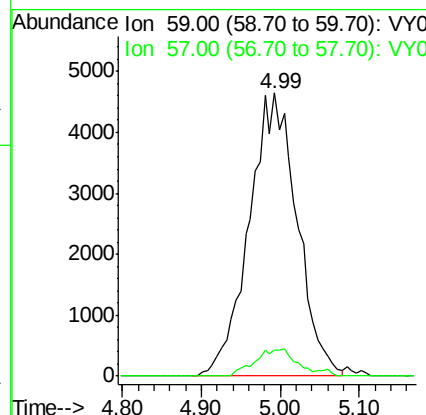
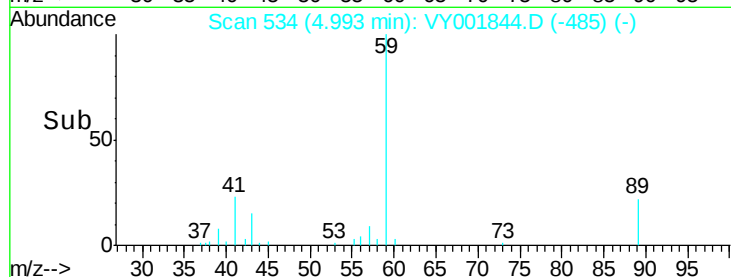
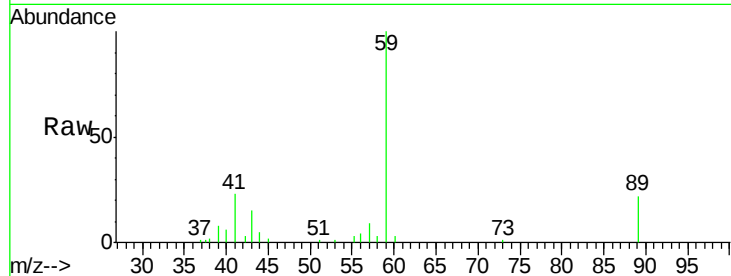
Tert butyl alcohol
Concen: 92.862 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

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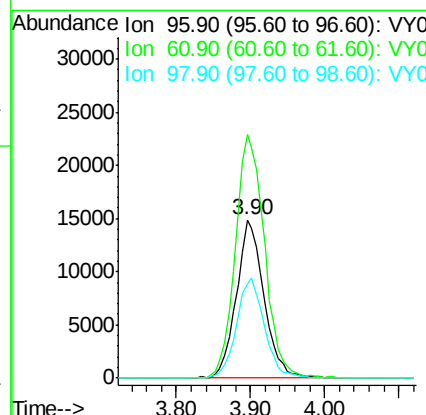
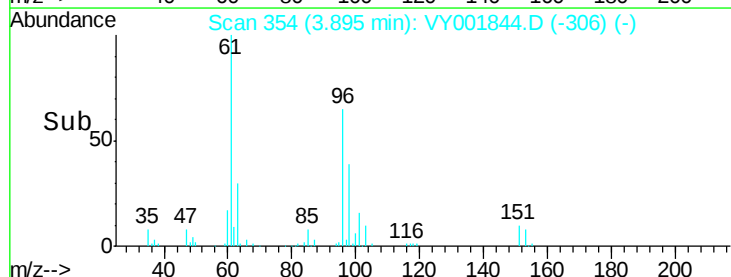
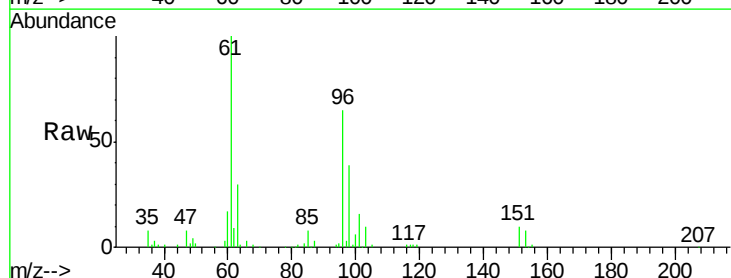
MMDadoda
3/5/2020 1:37:08 PM

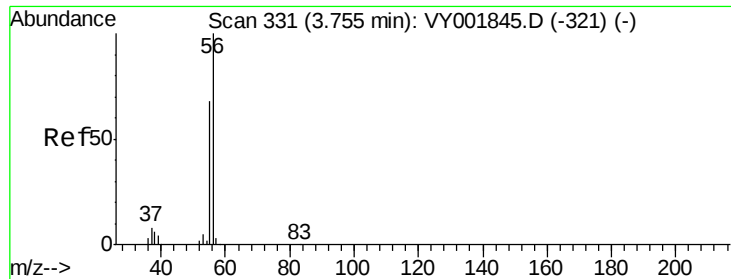


#12

1,1-Dichloroethene
Concen: 20.494 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	124.8	187.2
98	59.6	49.2	73.8





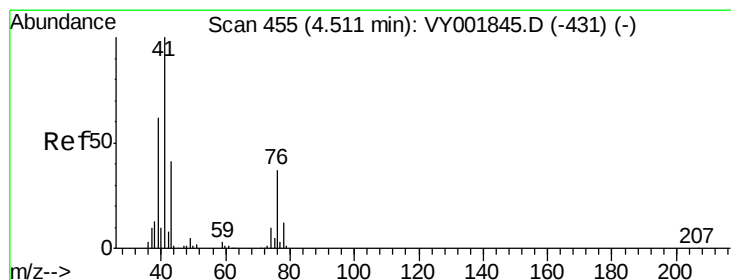
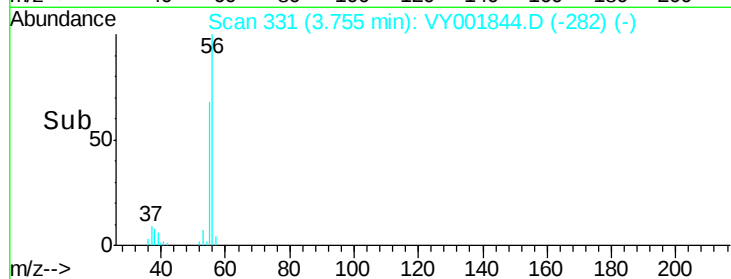
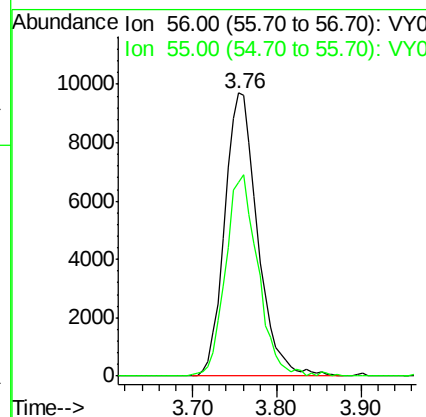
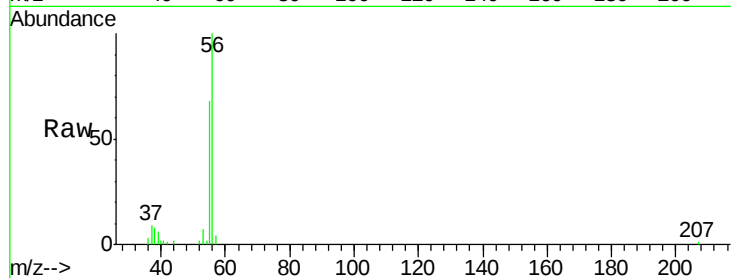
#13
Acrolein
Concen: 101.133 ug/l
RT: 3.76 min Scan# 331
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	25942
Ion Ratio	Lower	Upper	
56	100		
55	69.5	54.0	81.0

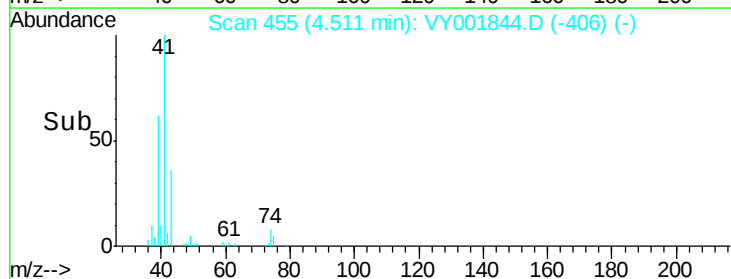
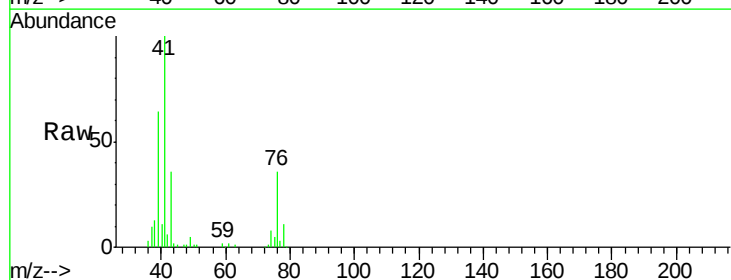
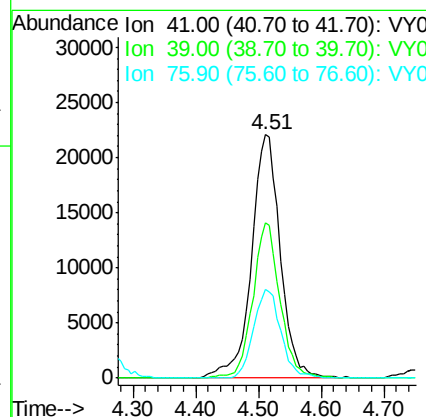
Manual Integrations
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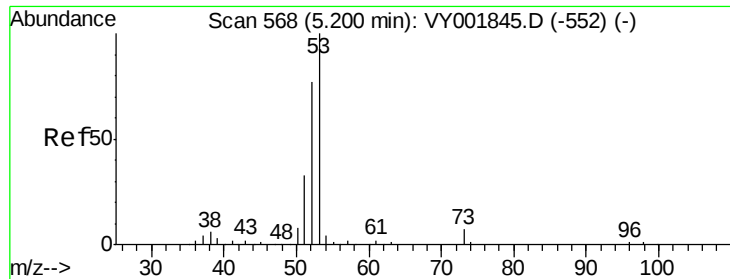
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#14
Allyl chloride
Concen: 20.769 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	41	Resp	70077
Ion Ratio	Lower	Upper	
41	100		
39	59.8	49.0	73.6
76	34.4	28.9	43.3





#15

Acrylonitrile

Concen: 93.579 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

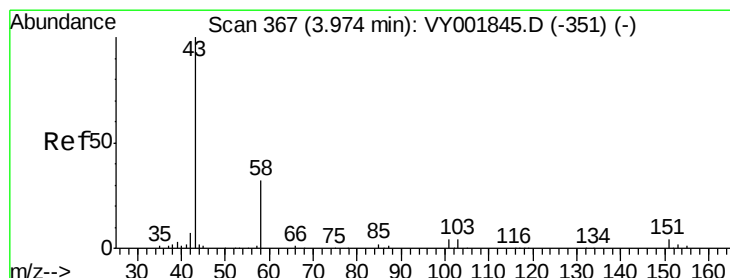
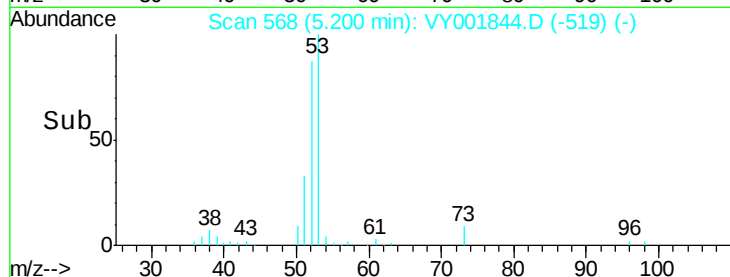
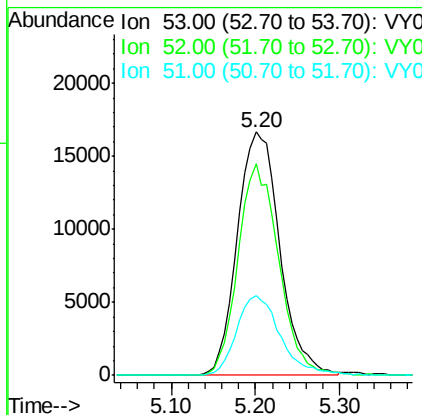
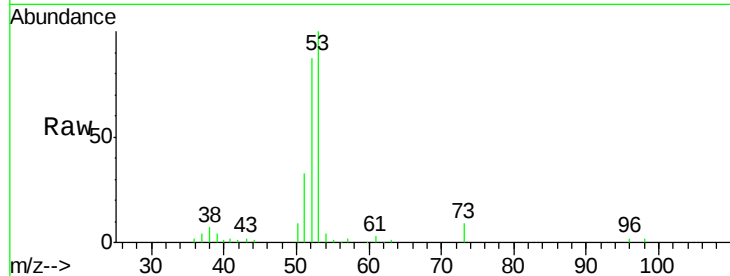
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	57190
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.1	97.7
51	33.7	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 87.385 ug/l

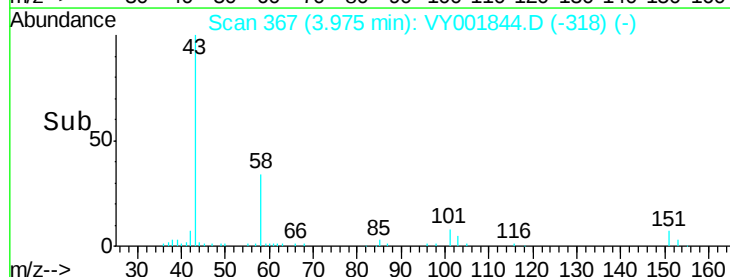
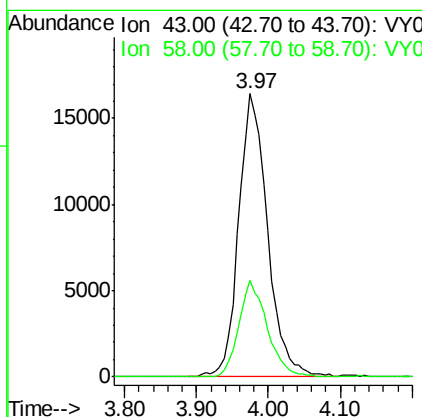
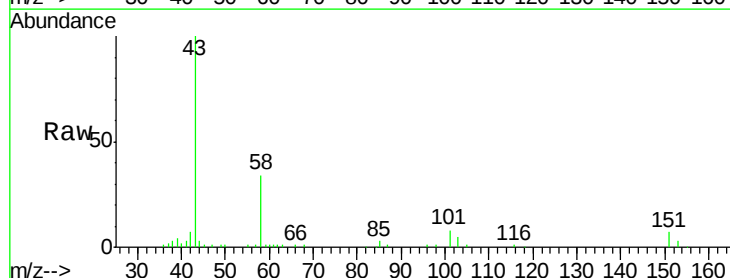
RT: 3.97 min Scan# 367

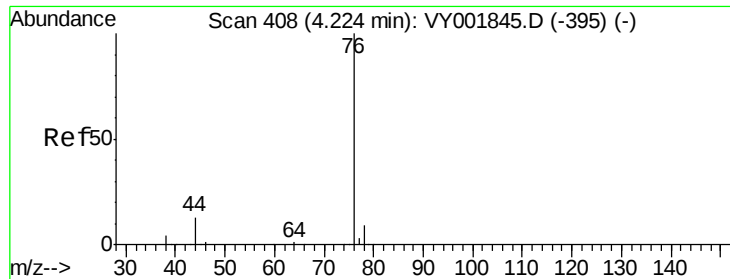
Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	43	Resp:	45841
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.9	38.9





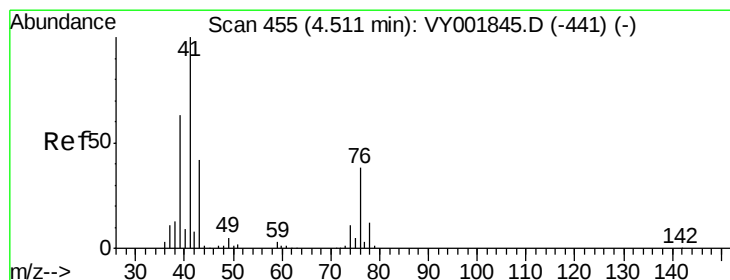
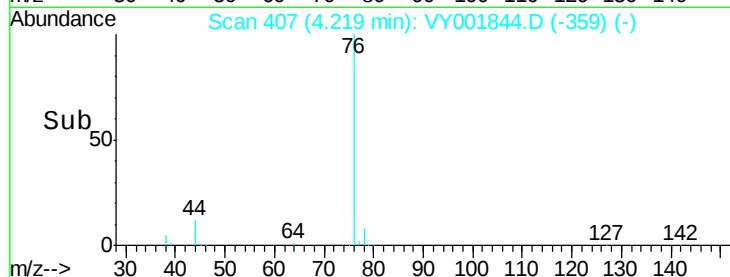
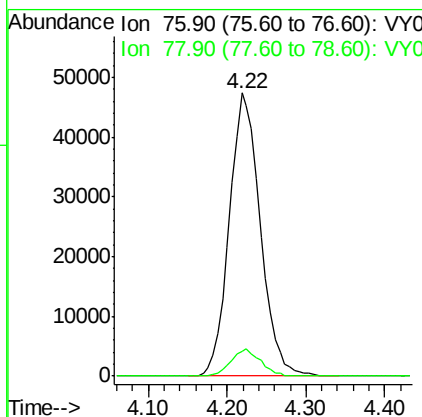
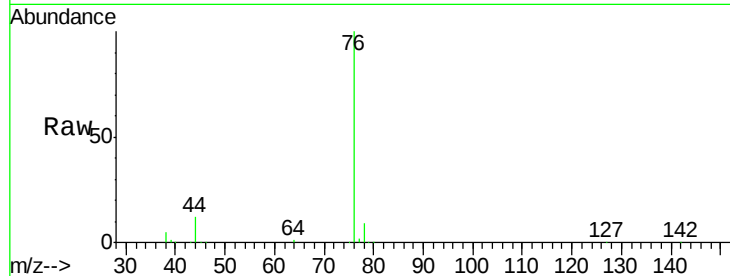
#17
Carbon Disulfide
Concen: 20.489 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

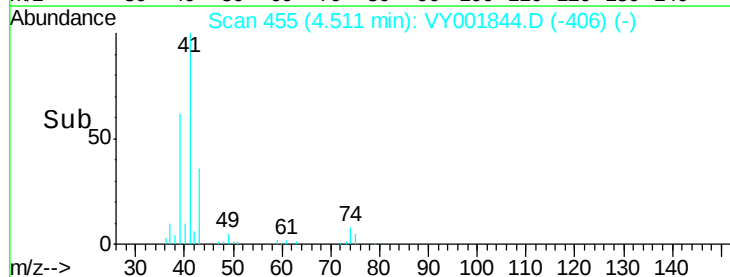
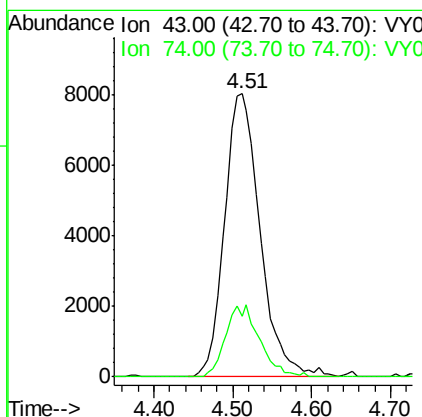
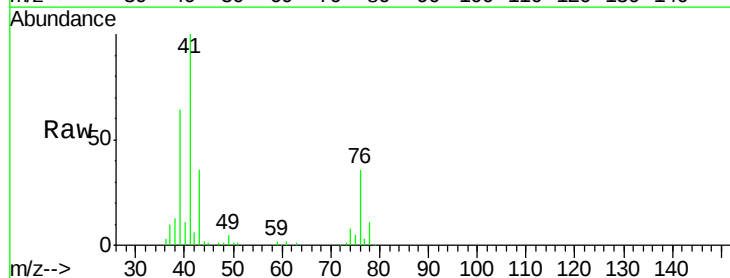
Manual Integrations
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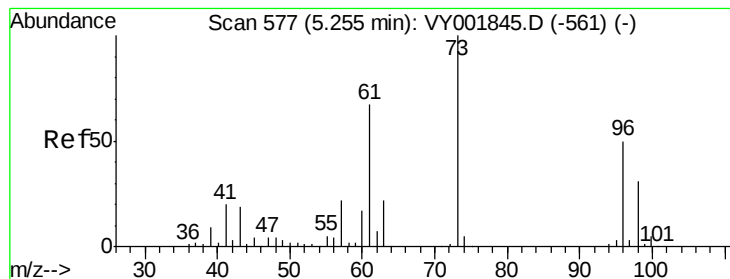
MMDadoda
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#18
Methyl Acetate
Concen: 18.738 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.0	28.6





#19

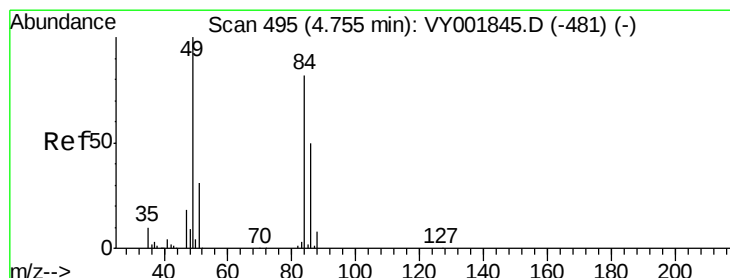
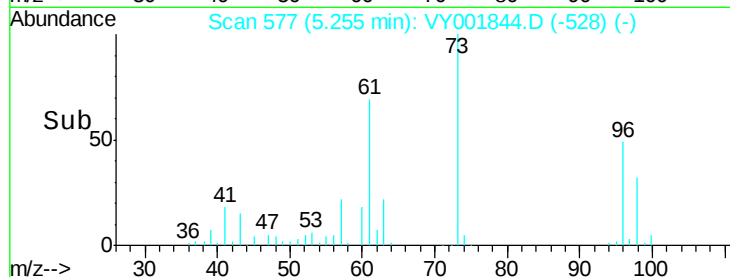
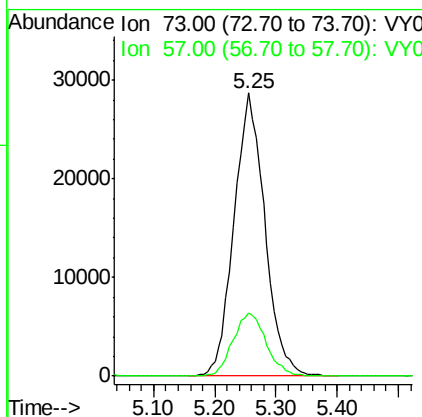
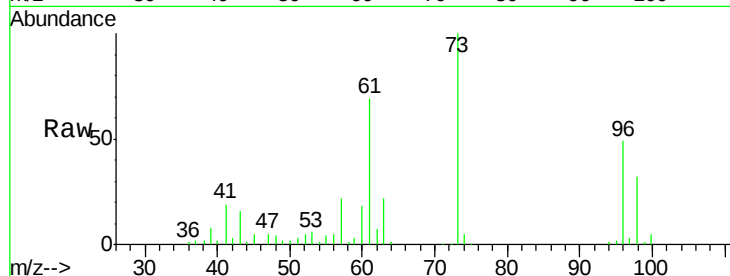
Methyl tert-butyl Ether
 Concen: 19.554 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.2

Manual Integrations
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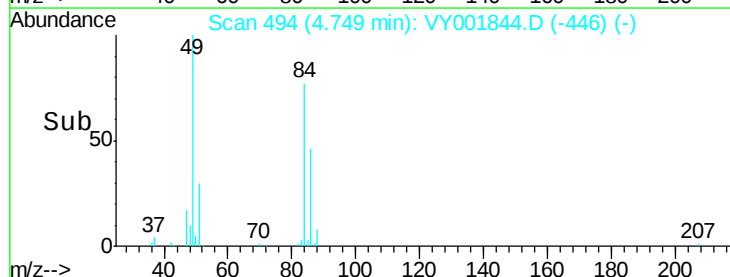
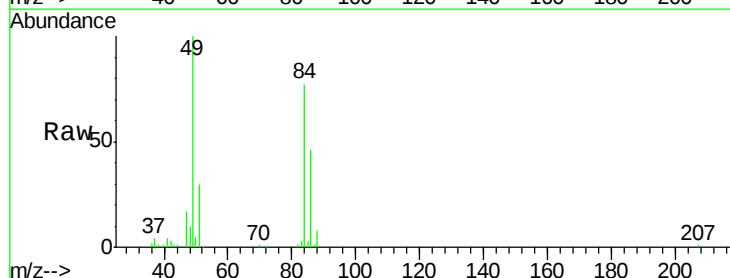
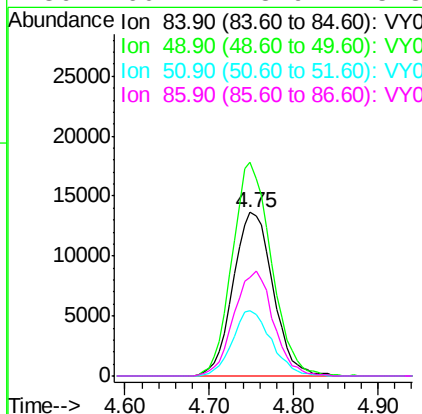
MMDadoda
 3/5/2020 1:37:08 PM

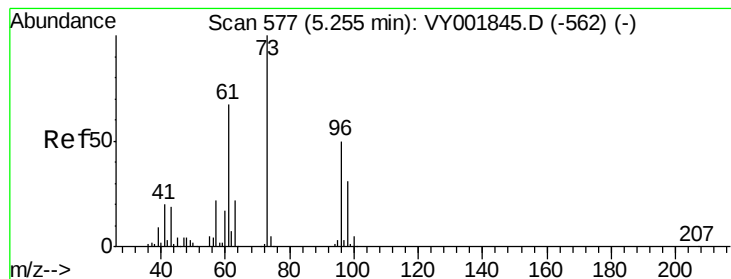


#20

Methylene Chloride
 Concen: 19.285 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	98.2	147.2
51	39.7	30.2	45.2
86	60.1	48.9	73.3





#21

trans-1,2-Dichloroethene

Concen: 20.556 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

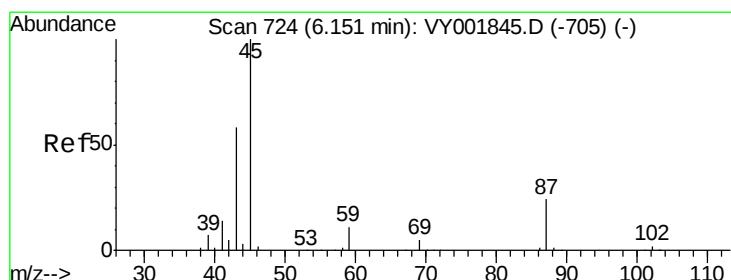
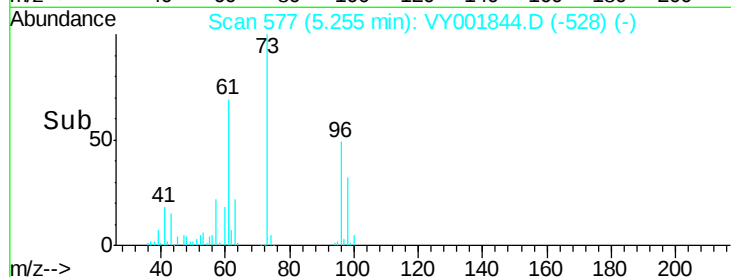
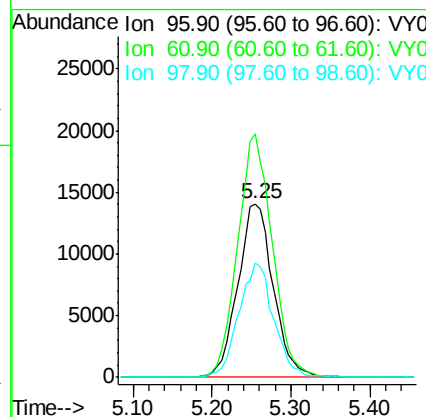
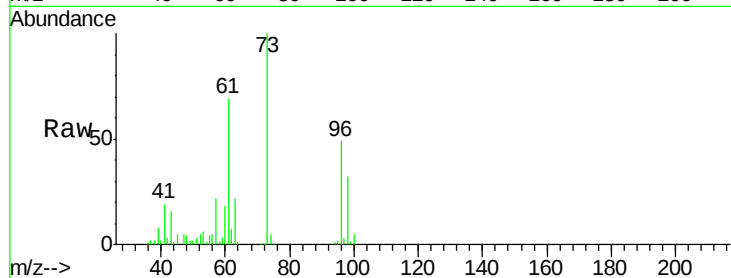
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	43852
Ion	Ratio	Lower	Upper
96	100		
61	140.6	107.7	161.5
98	66.4	49.3	73.9

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#22

Diisopropyl ether

Concen: 20.697 ug/l

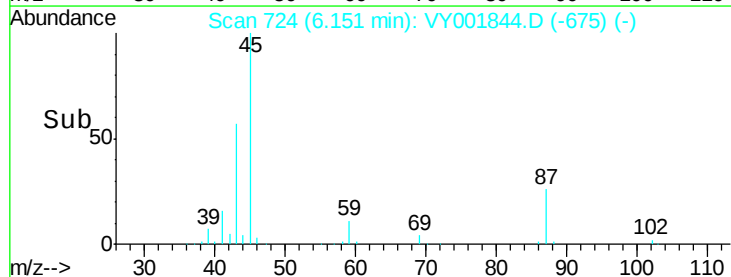
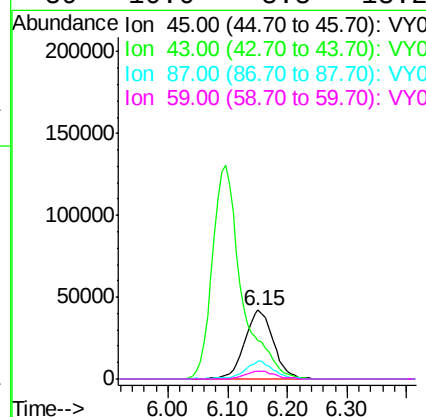
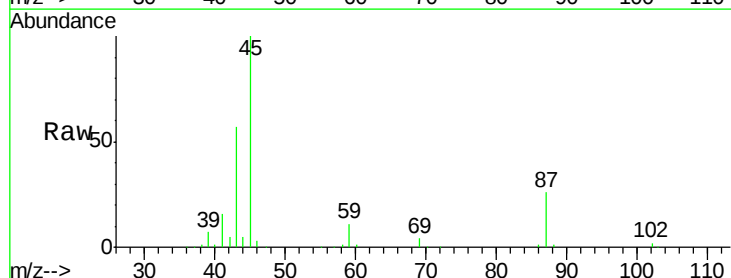
RT: 6.15 min Scan# 724

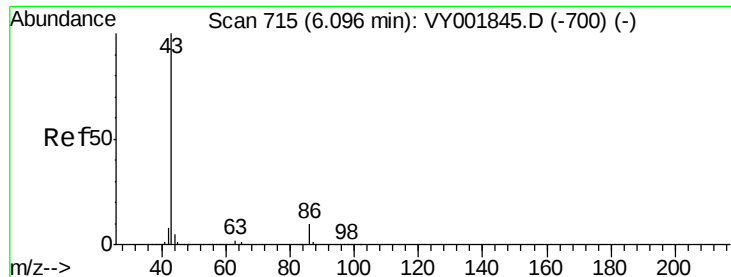
Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	45	Resp:	140930
Ion	Ratio	Lower	Upper
45	100		
43	56.3	47.2	70.8
87	25.5	19.8	29.8
59	10.6	8.8	13.2





#23

Vinyl Acetate

Concen: 98.661 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 441221

Ion Ratio Lower Upper

43 100

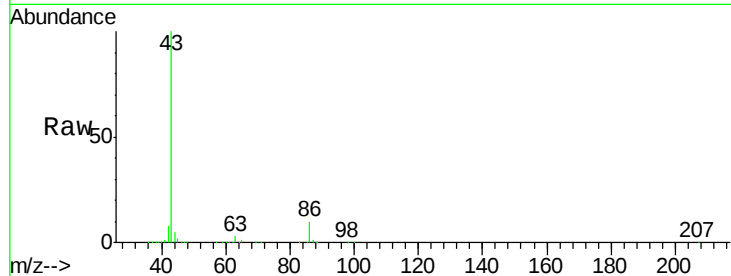
86 10.1 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

150000

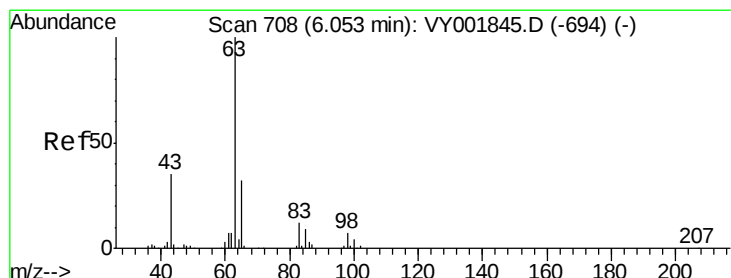
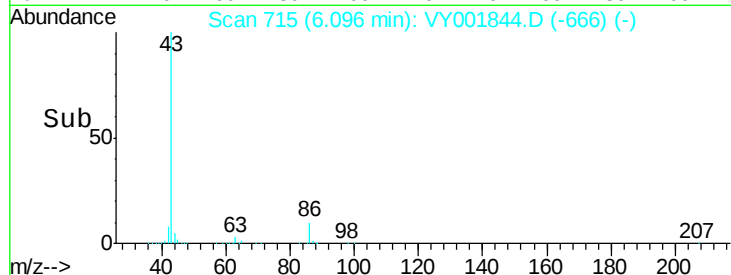
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 20.824 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

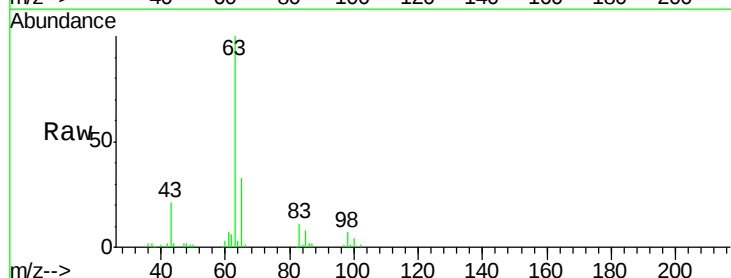
Tgt Ion: 63 Resp: 76693

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

15000

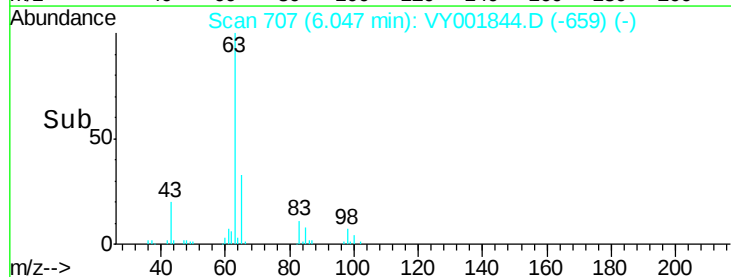
10000

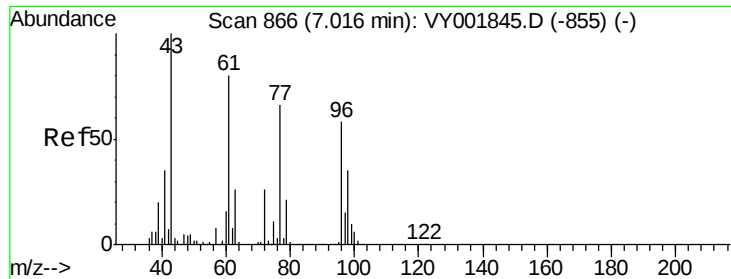
5000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 88.588 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 71582

Ion Ratio Lower Upper

43 100

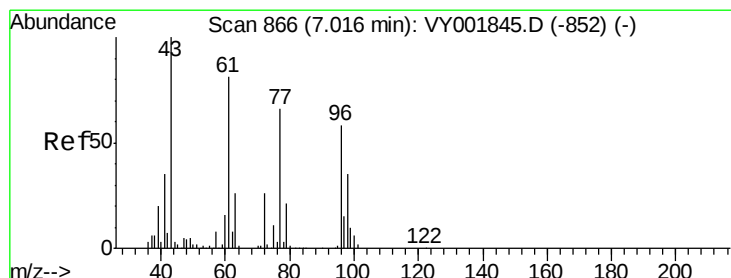
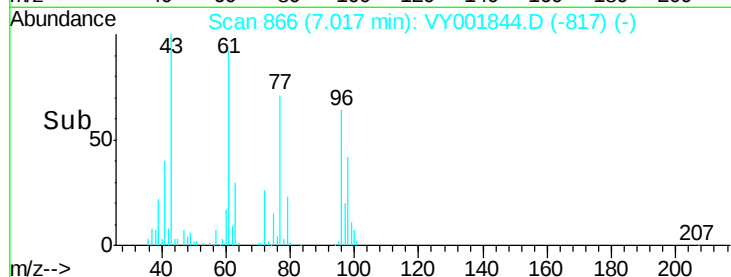
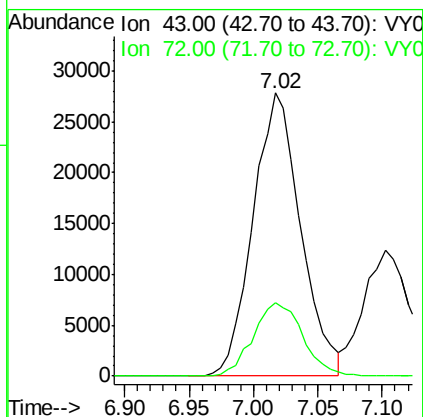
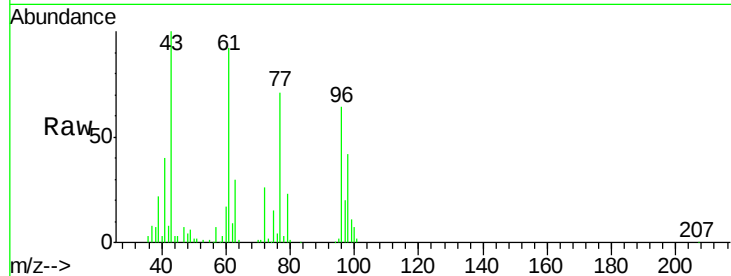
72 26.1 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.181 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001844.D

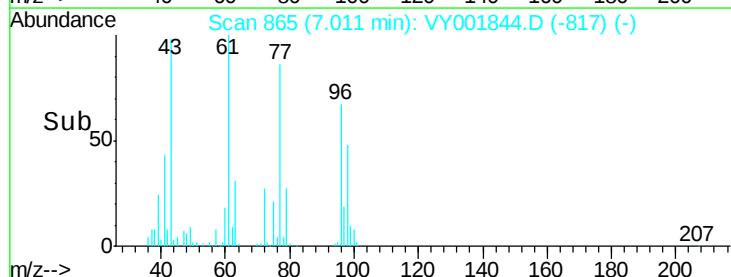
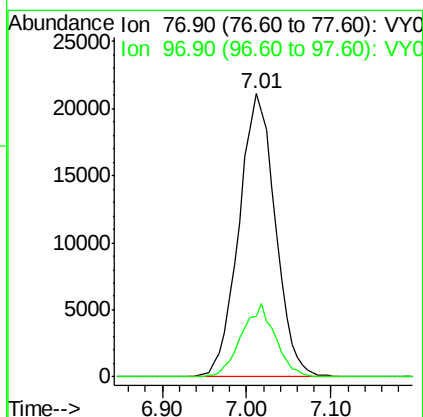
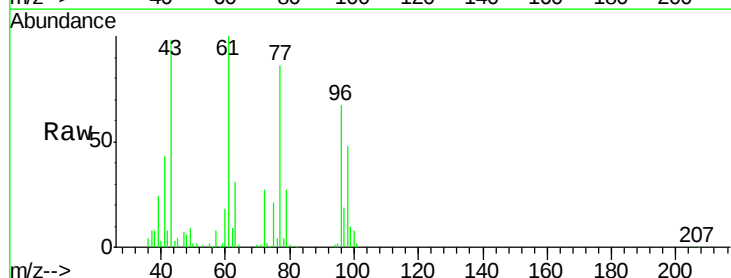
Acq: 04 Mar 2020 11:11

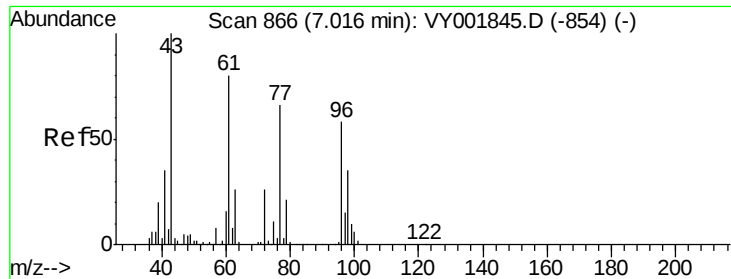
Tgt Ion: 77 Resp: 61791

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.7





#27

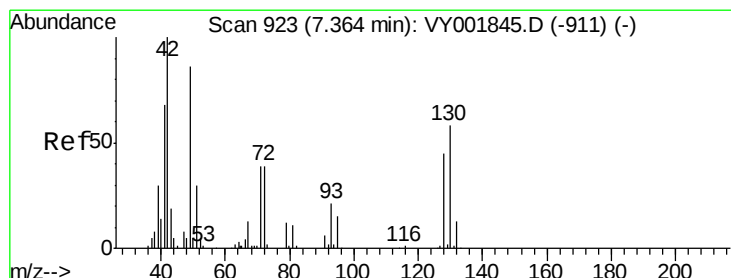
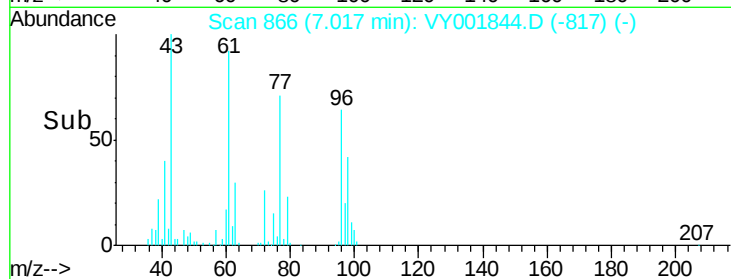
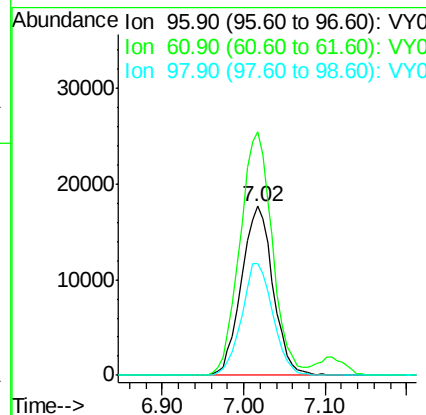
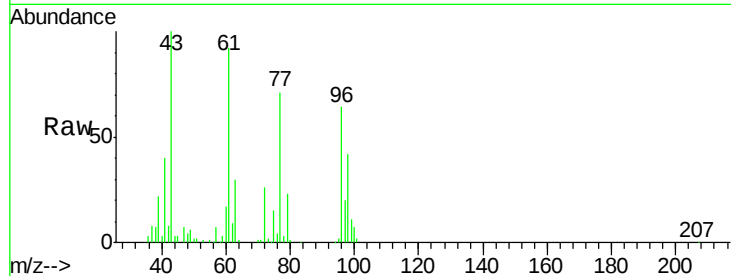
cis-1,2-Dichloroethene
Concen: 20.534 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	288.2
98	65.1	0.0	129.0

Manual Integrations
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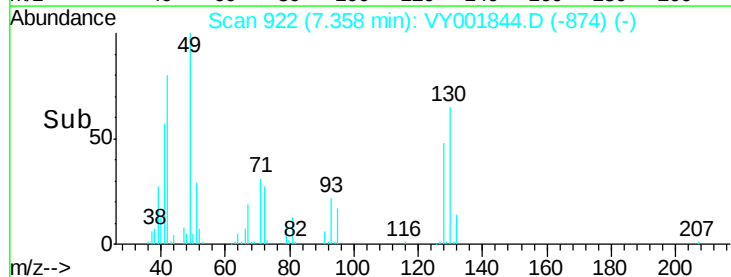
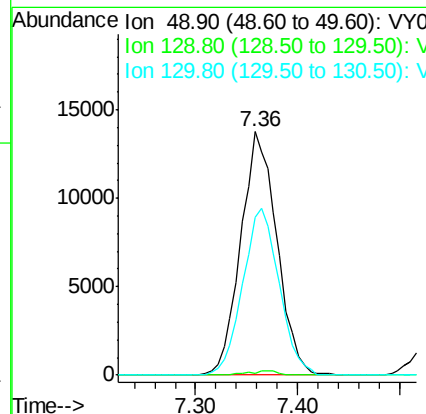
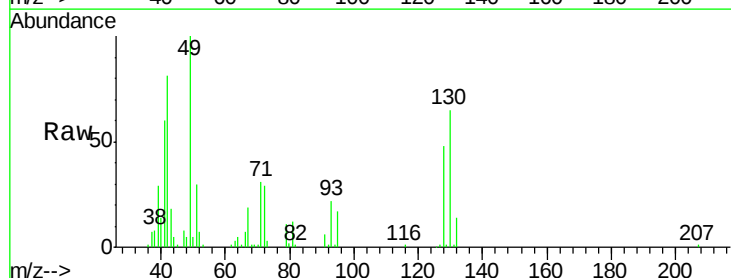
MMDadoda
3/5/2020 1:37:08 PM

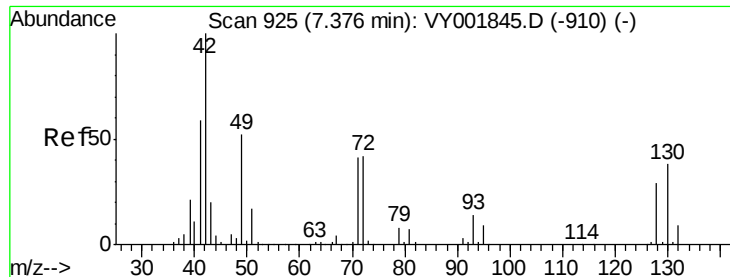


#28

Bromochloromethane
Concen: 20.066 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	68.9	54.4	81.6





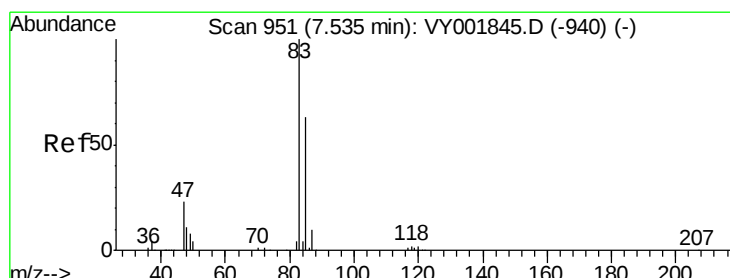
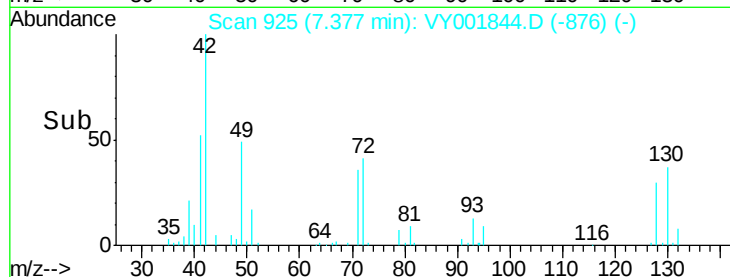
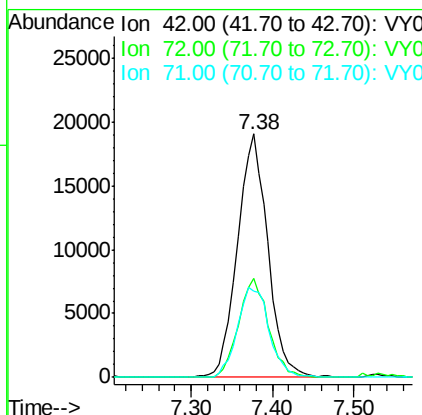
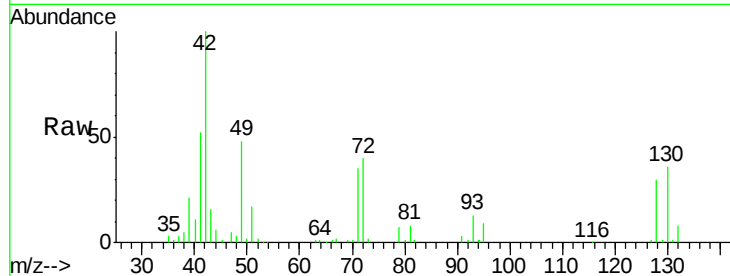
#29
Tetrahydrofuran
Concen: 92.626 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.5	50.3
71	38.6	31.3	46.9

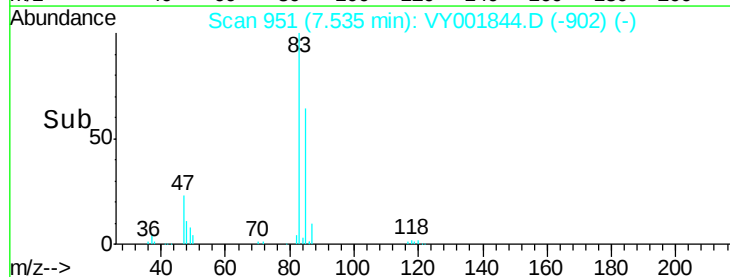
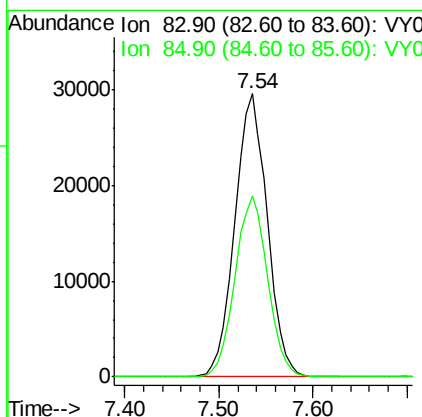
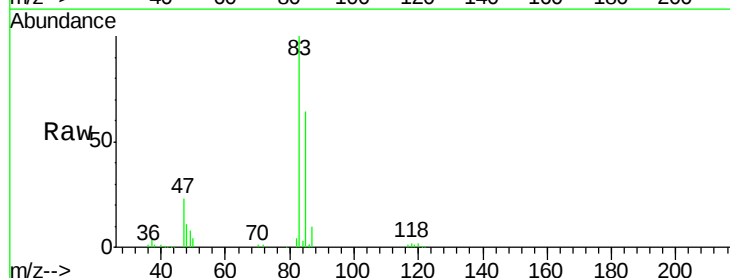
Manual Integrations
APPROVED

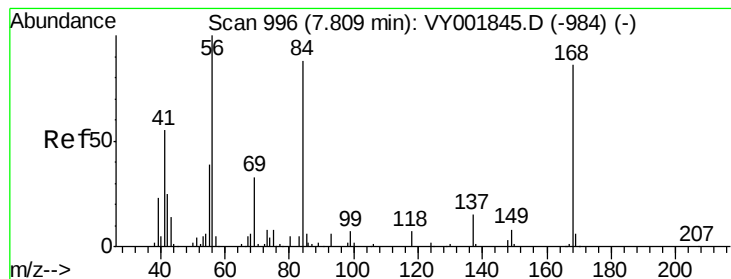
MMDadoda
3/5/2020 1:37:08 PM



#30
Chloroform
Concen: 20.371 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1





#31

Cvclohexane

Concen: 20.603 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 81796

Ion Ratio Lower Upper

56 100

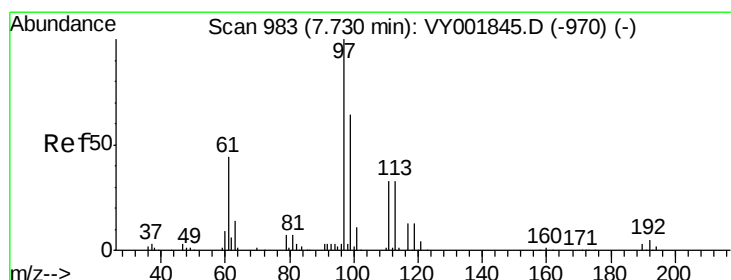
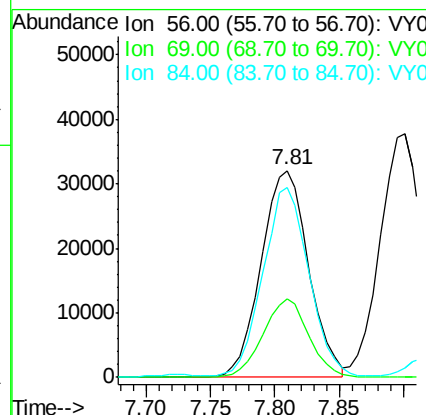
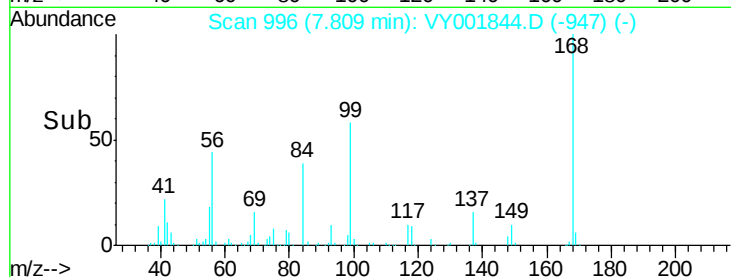
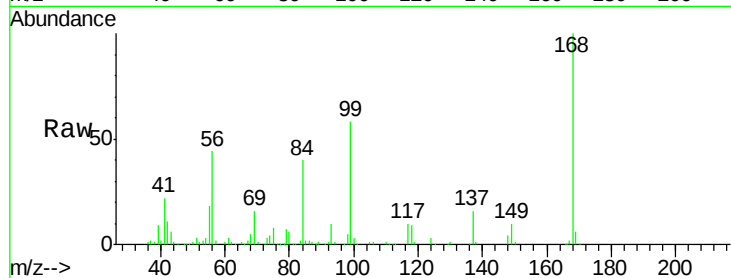
69 37.6 26.7 40.1

84 90.5 70.4 105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.477 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

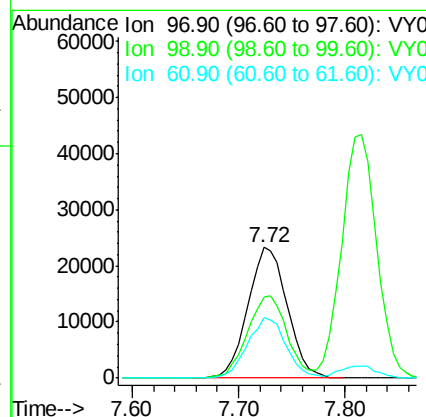
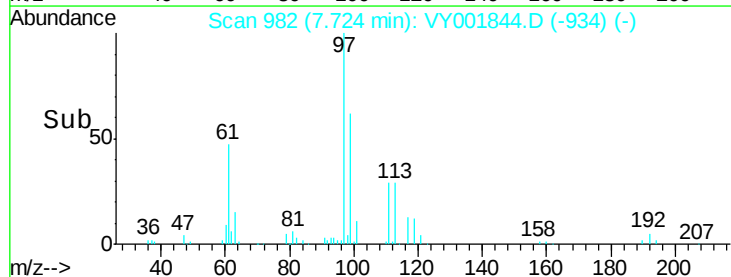
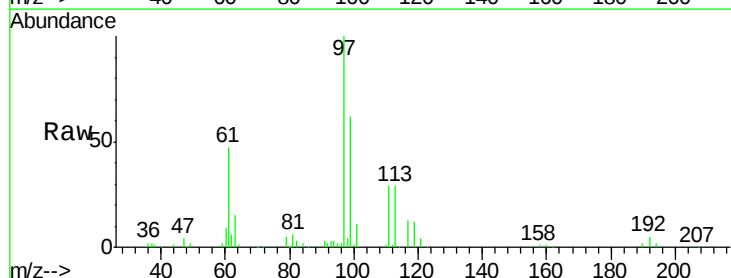
Tgt Ion: 97 Resp: 60422

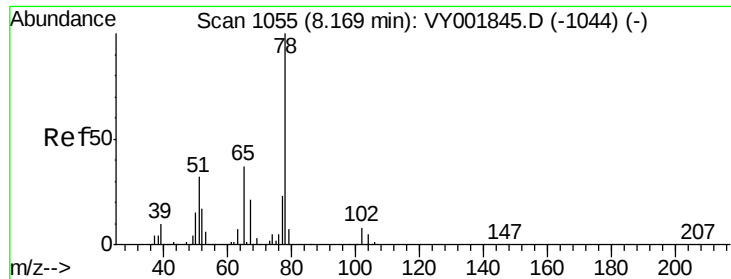
Ion Ratio Lower Upper

97 100

99 63.6 52.0 78.0

61 45.5 35.0 52.4





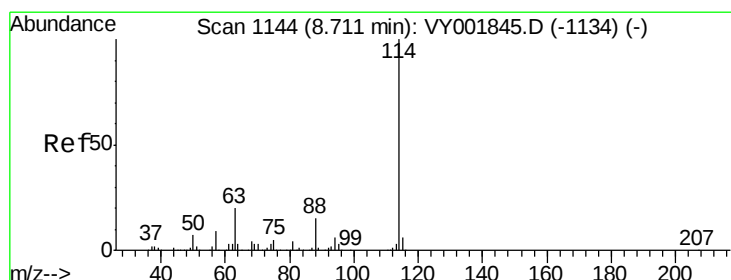
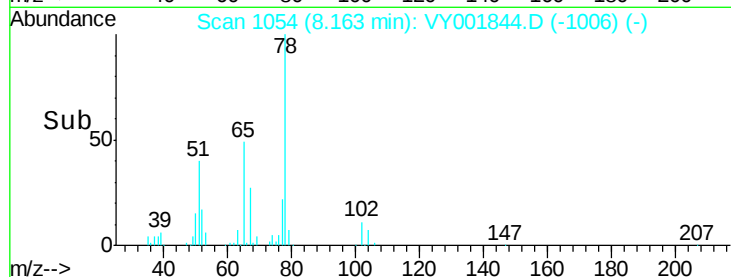
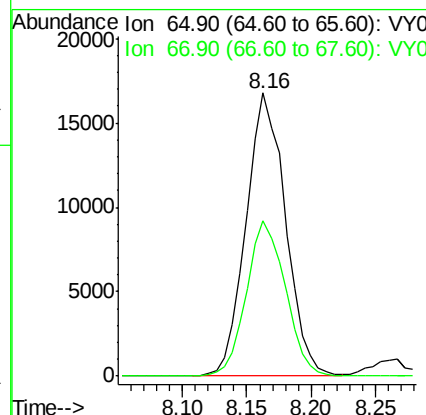
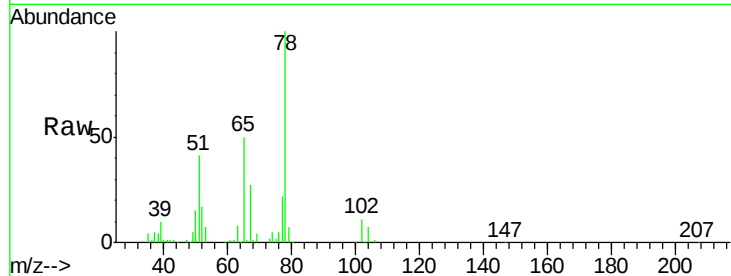
#33
 1,2-Dichloroethane-d4
 Concen: 19.362 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	110.8	

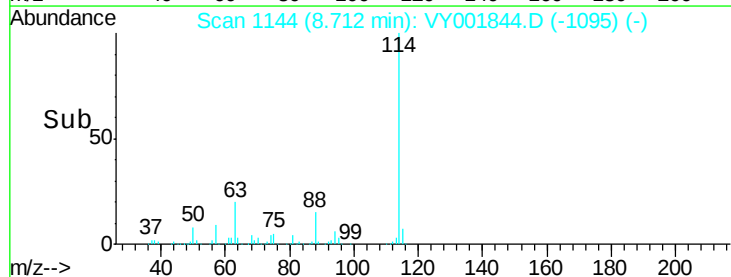
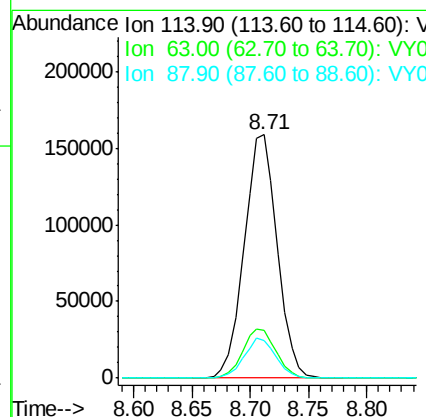
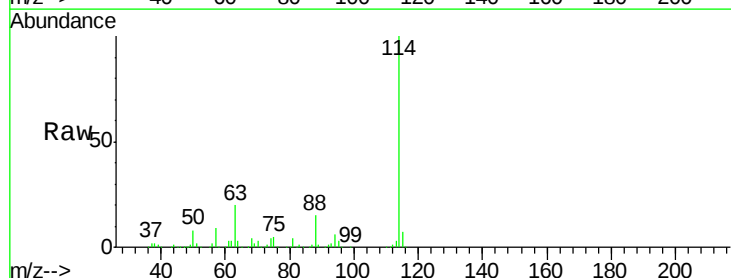
Manual Integrations
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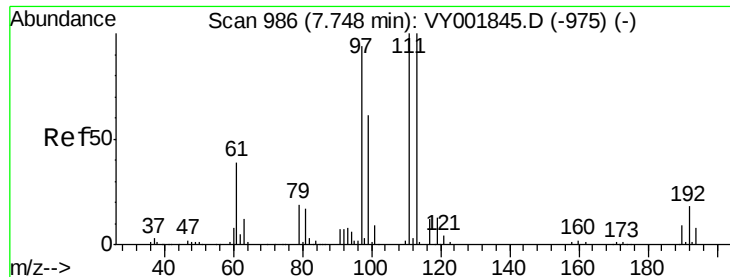
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.4	
88	15.4	0.0	30.4	





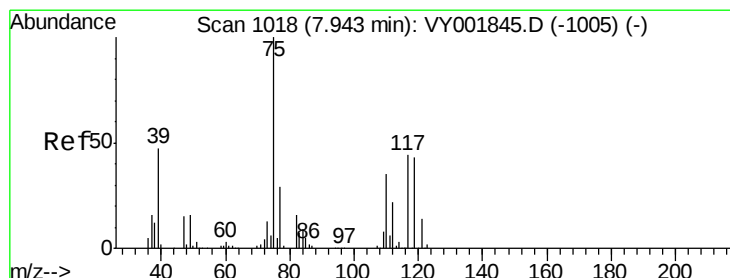
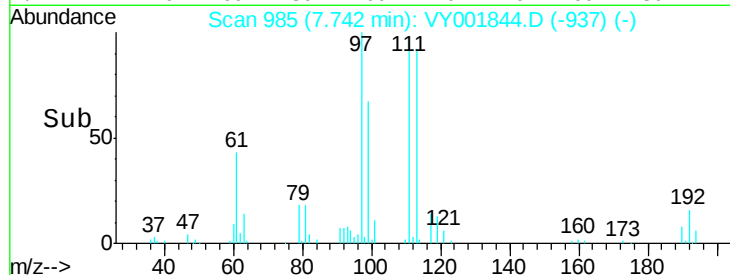
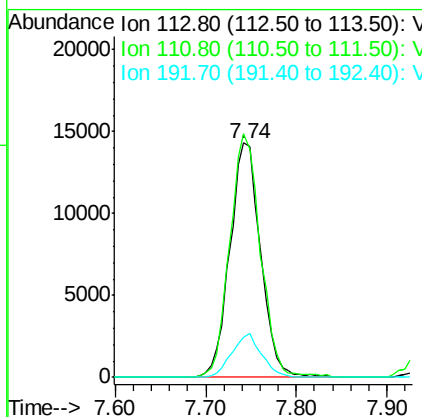
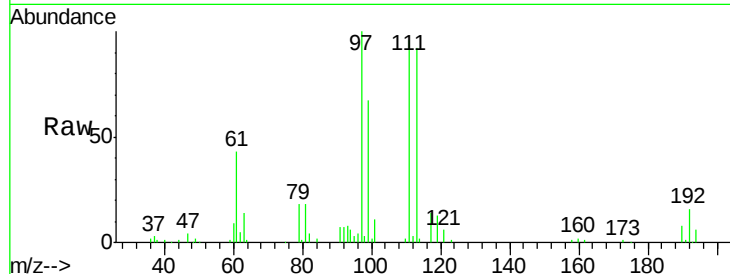
#35
 Dibromofluoromethane
 Concen: 19.660 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	18.1	14.2	21.2

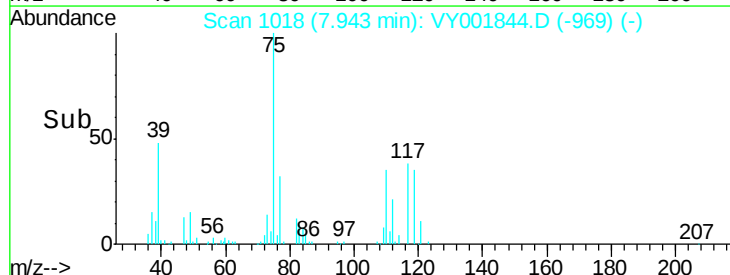
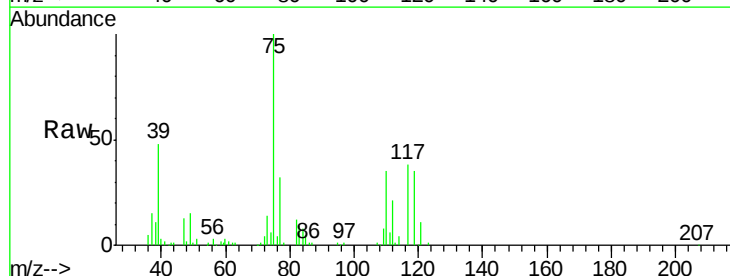
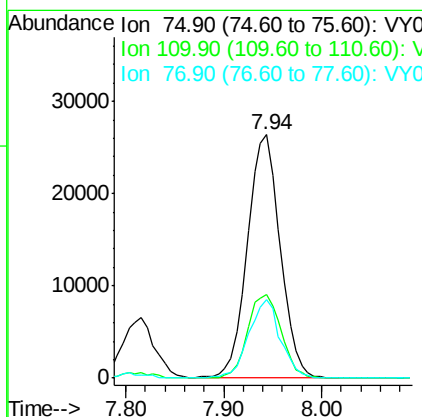
Manual Integrations
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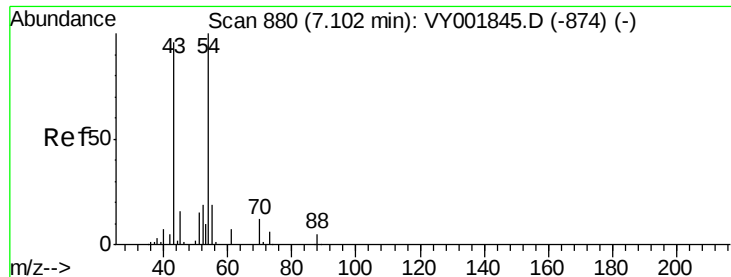
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 3/5/2020 1:37:08 PM



#36
 1,1-Dichloropropene
 Concen: 20.835 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.2
77	31.2	24.2	36.2





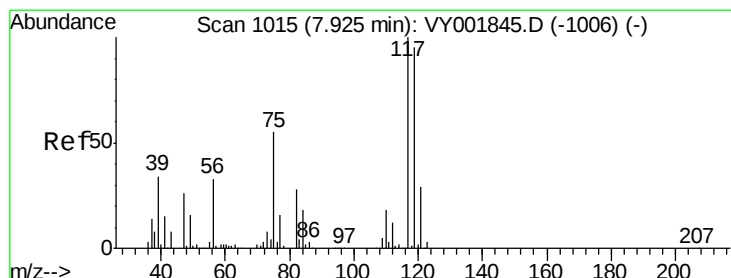
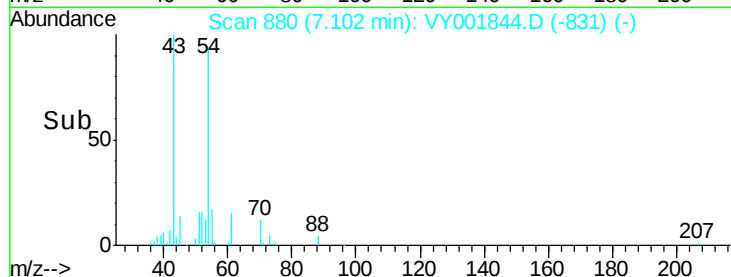
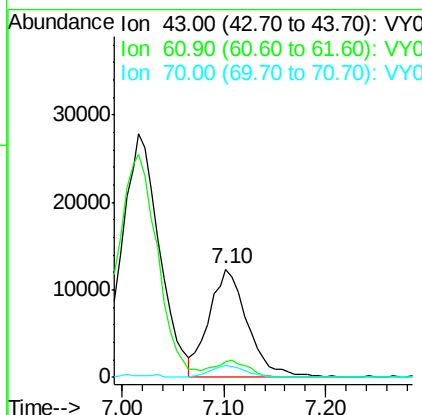
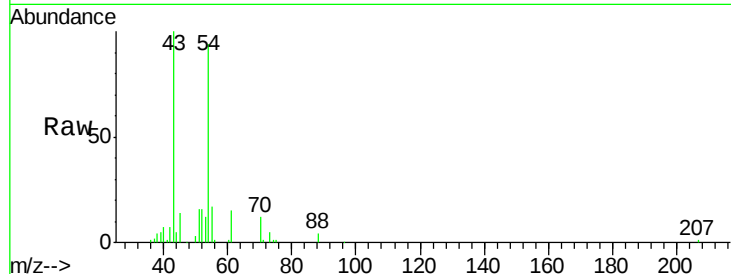
#37
Ethyl Acetate
Concen: 18.652 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.2	8.2	12.4

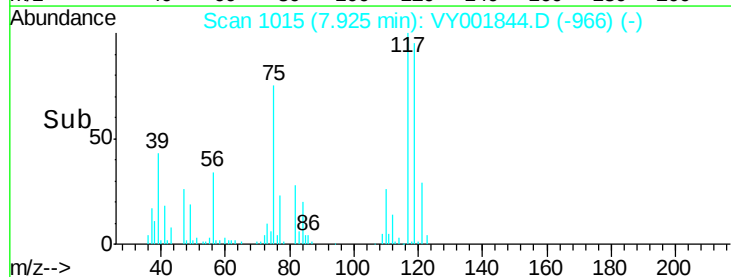
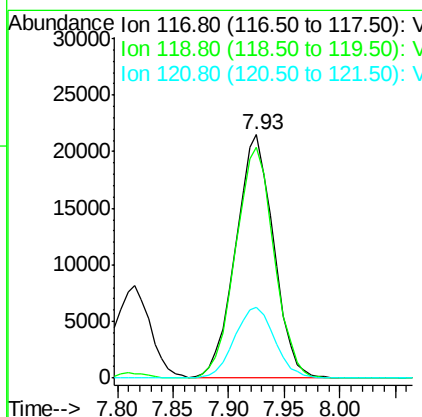
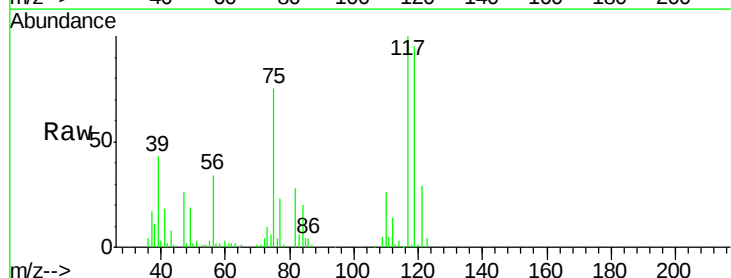
Manual Integrations
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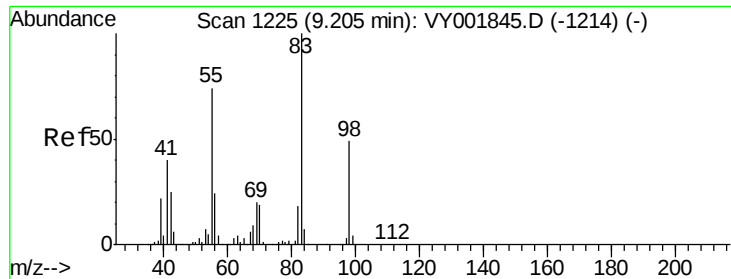
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#38
Carbon Tetrachloride
Concen: 20.223 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	28.9	23.5	35.3





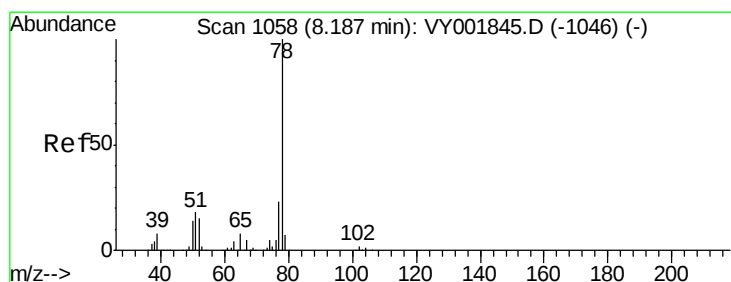
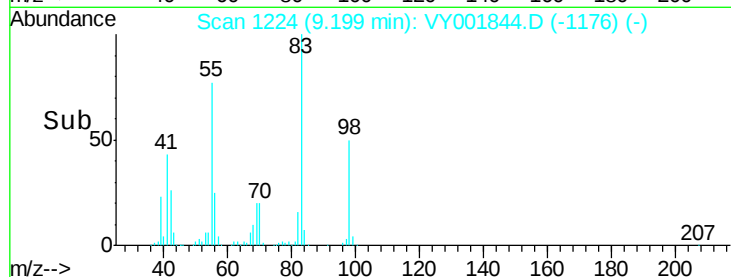
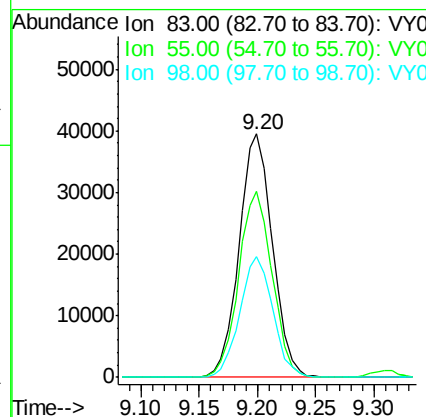
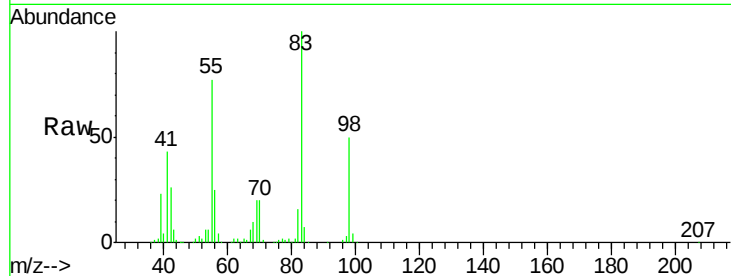
#39
Methvlcvclohexane
Concen: 20.026 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	59.4	89.0
98	49.7	38.9	58.3

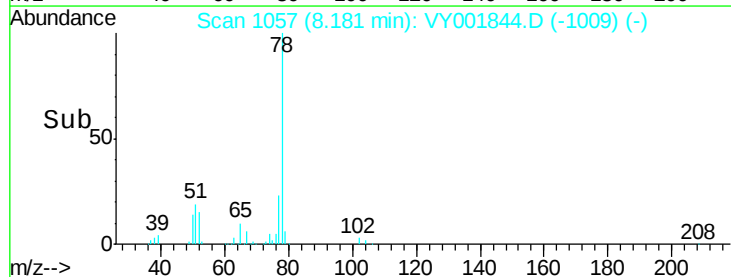
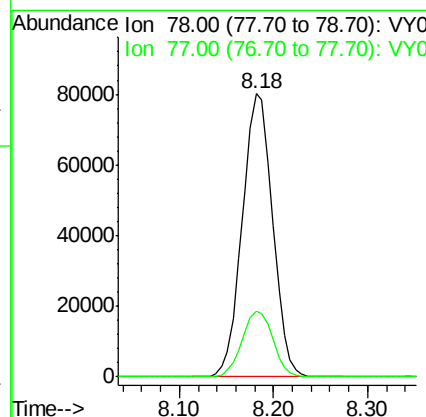
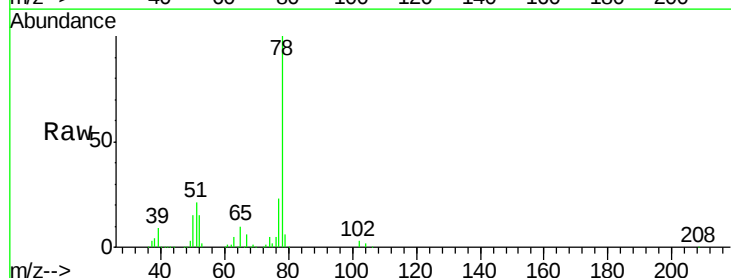
Manual Integrations
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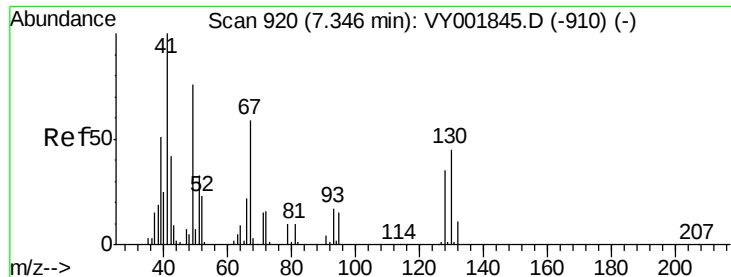
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#40
Benzene
Concen: 20.502 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





#41

Methacrylonitrile

Concen: 7.419 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 15403

Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

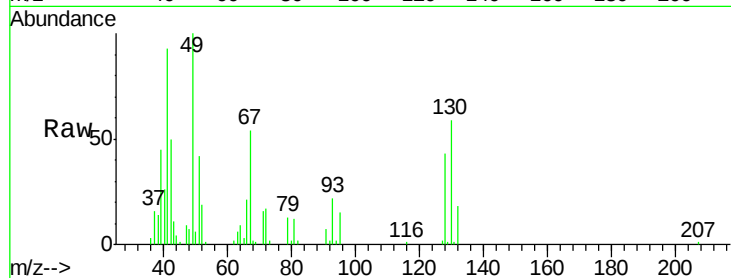
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:08 PM

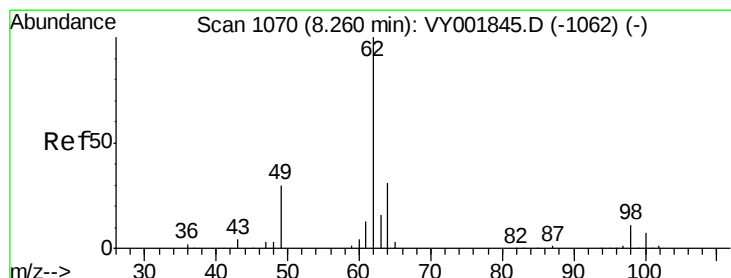
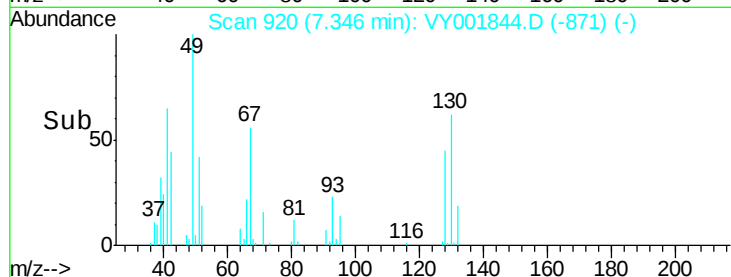
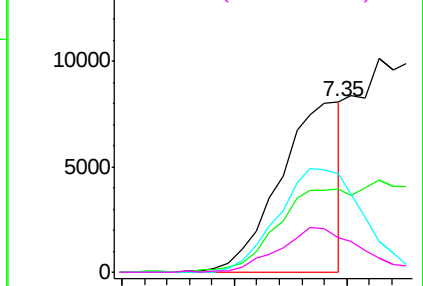


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.246 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001844.D

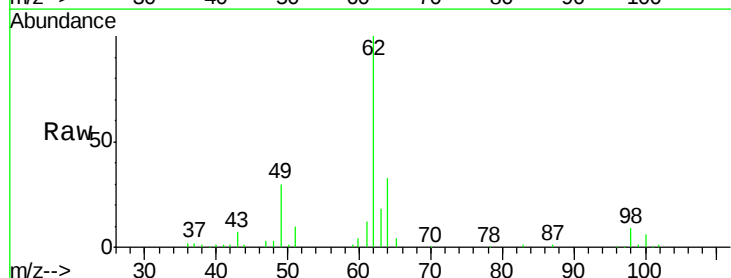
Acq: 04 Mar 2020 11:11

Tgt Ion: 62 Resp: 45767

Ion Ratio Lower Upper

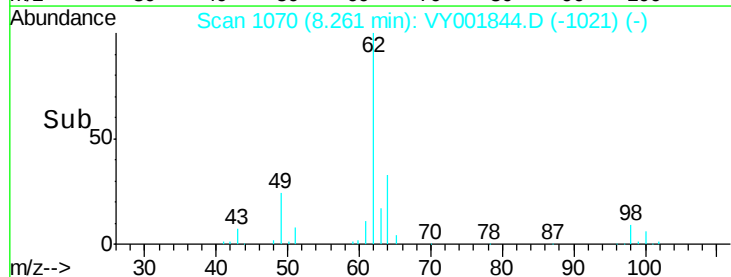
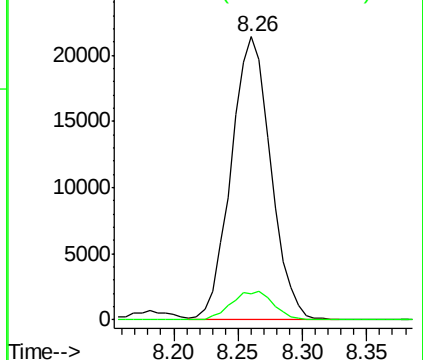
62 100

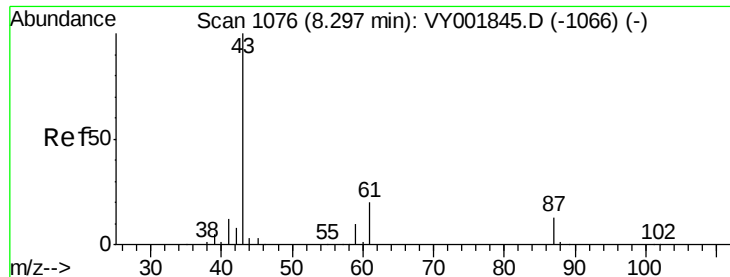
98 10.8 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





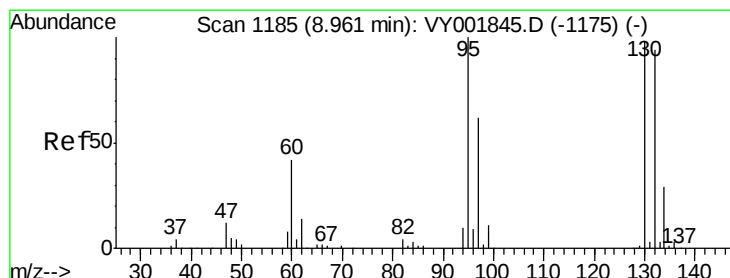
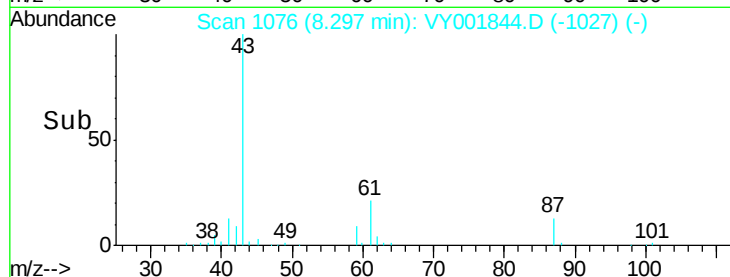
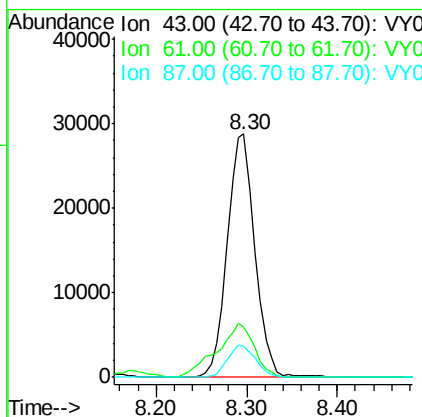
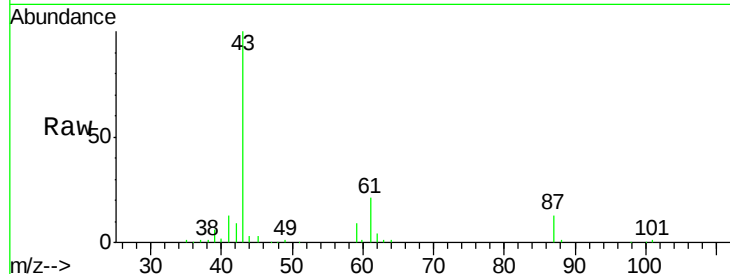
#43
Isopropyl Acetate
Concen: 18.614 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.6
87	13.5	10.9	16.3

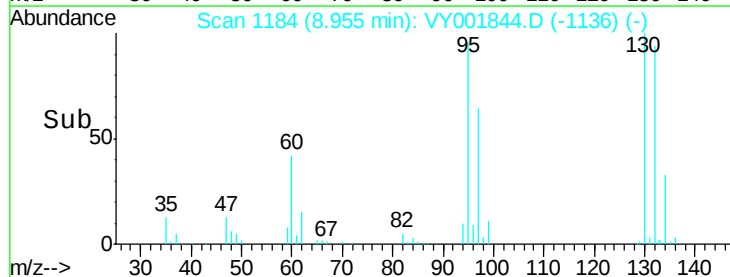
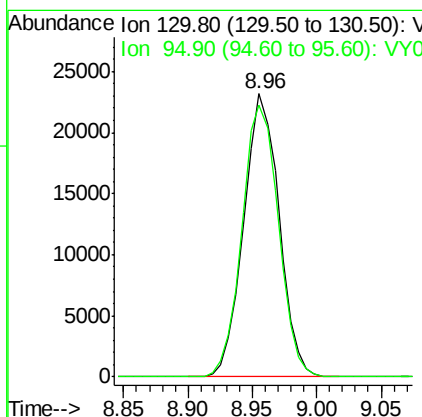
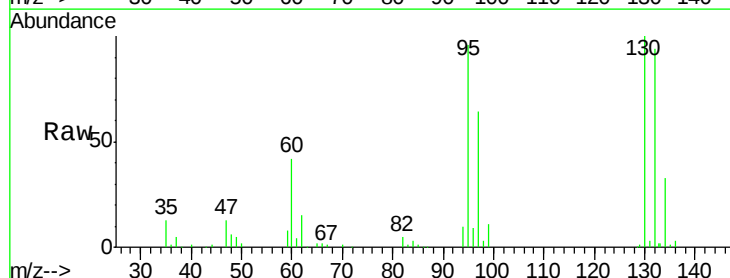
Manual Integrations
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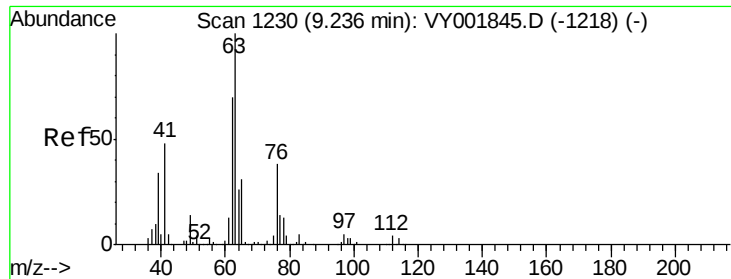
MMDadoda
3/5/2020 1:37:08 PM



#44
Trichloroethene
Concen: 20.555 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	204.6





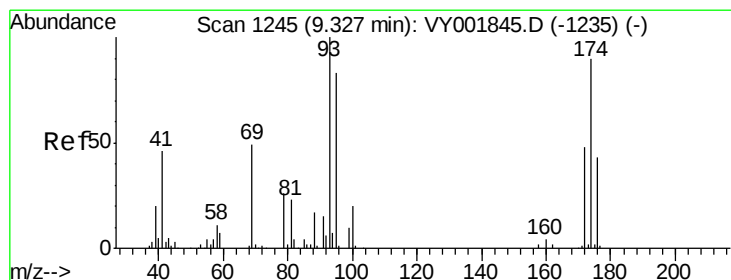
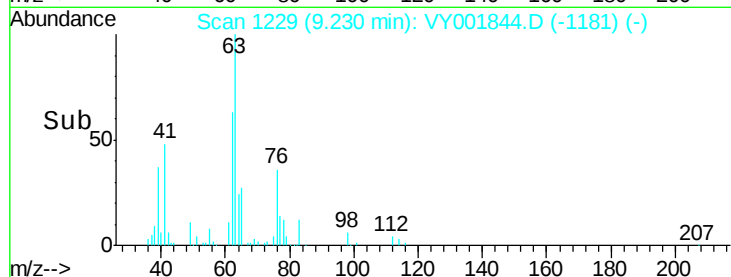
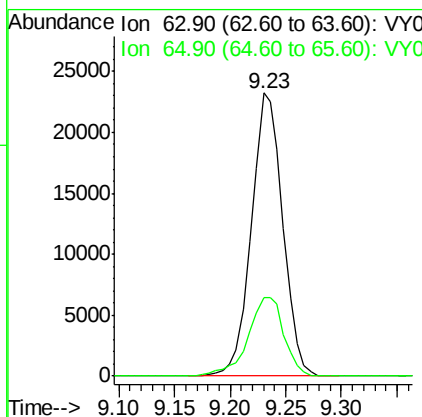
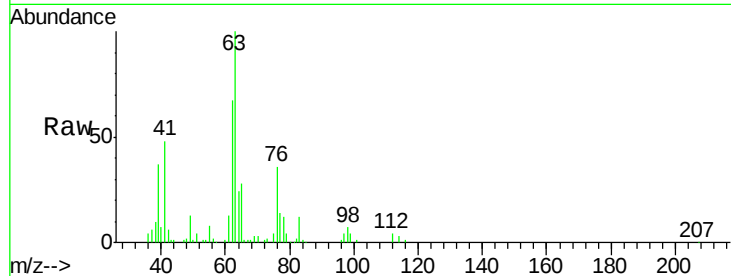
#45
 1,2-Dichloropropane
 Concen: 20.595 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.6	24.9	37.3

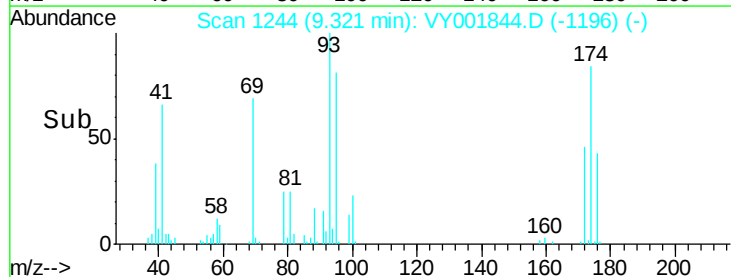
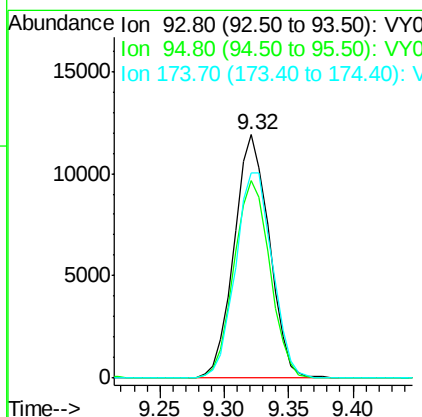
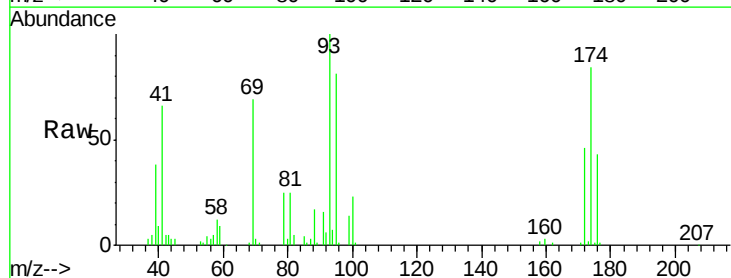
Manual Integrations
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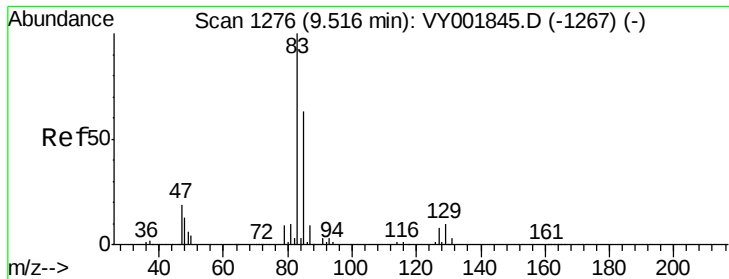
MMDadoda
 3/5/2020 1:37:08 PM



#46
 Dibromomethane
 Concen: 19.641 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.0	100.4
174	88.5	71.8	107.8





#47

Bromodichloromethane

Concen: 20.390 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

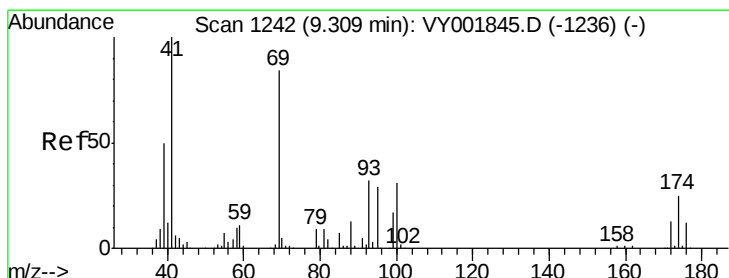
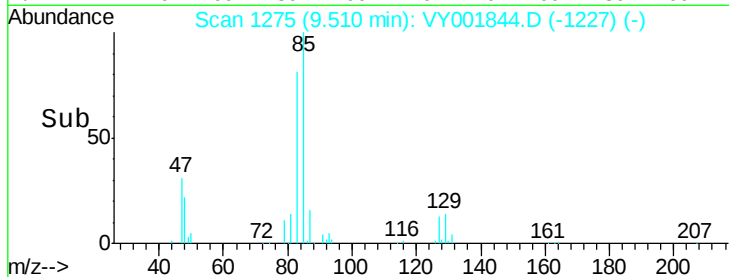
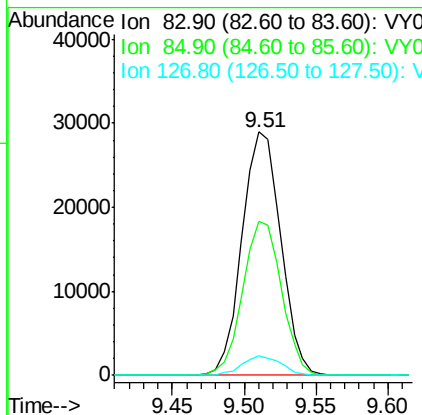
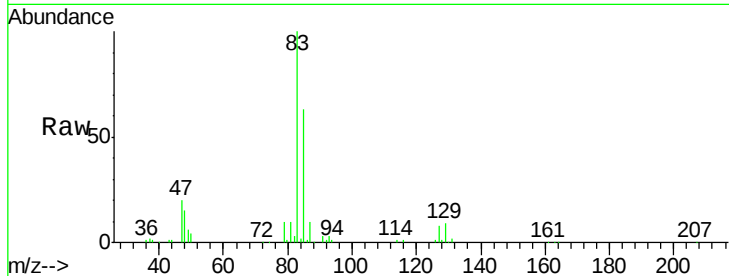
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53970
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0
127	7.9	6.2	9.4

Manual Integrations
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3/5/2020 1:37:08 PM



#48

Methyl methacrylate

Concen: 18.735 ug/l

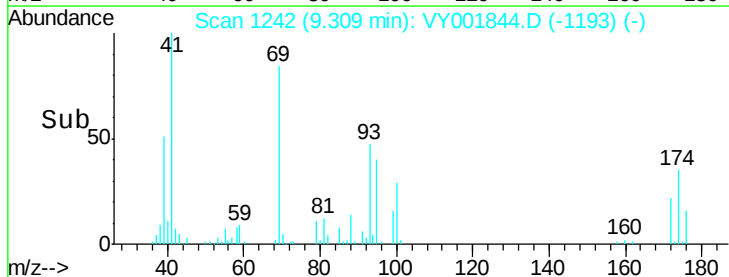
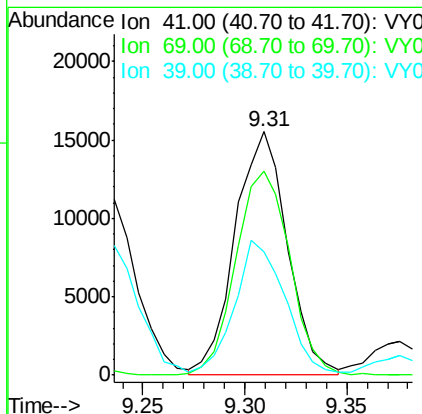
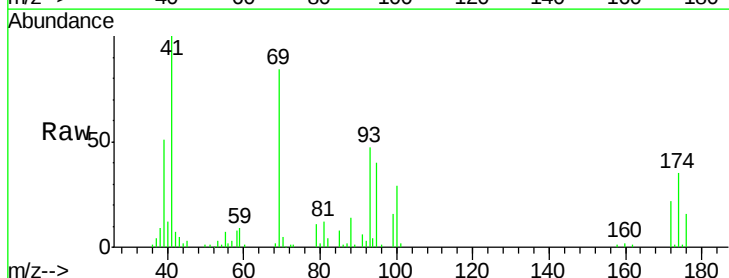
RT: 9.31 min Scan# 1242

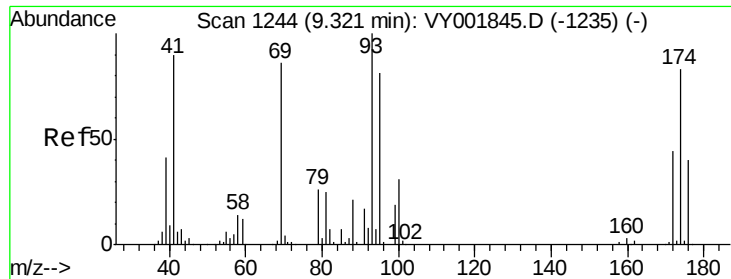
Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	41	Resp:	27707
Ion	Ratio	Lower	Upper
41	100		
69	86.3	69.0	103.6
39	50.9	39.1	58.7





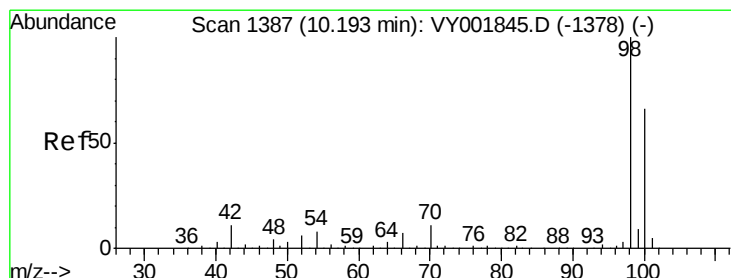
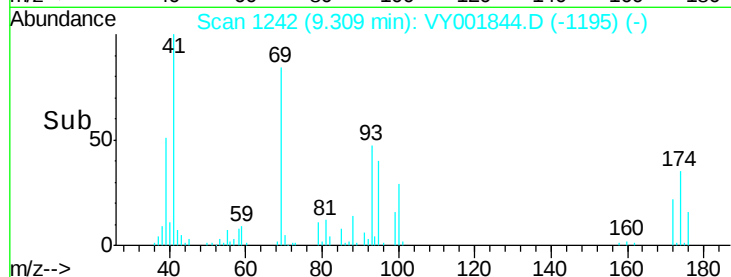
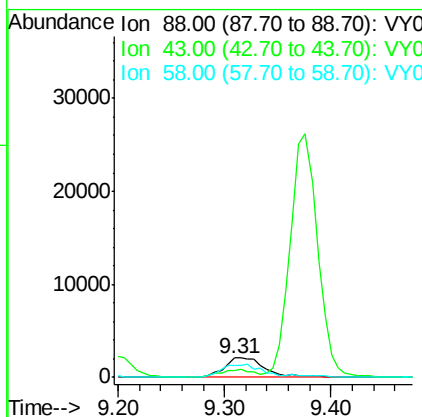
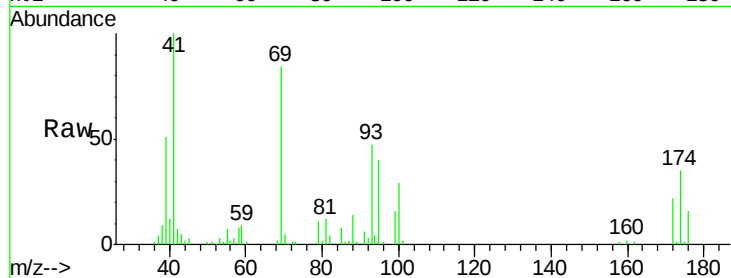
#49
 1,4-Dioxane
 Concen: 378.239 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.0	37.6
58	65.6	58.9	88.3

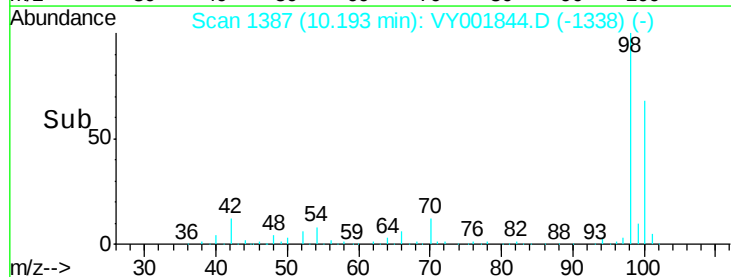
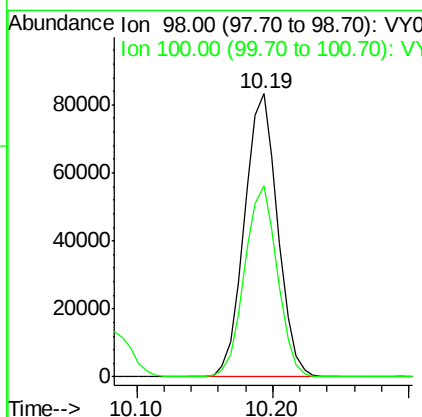
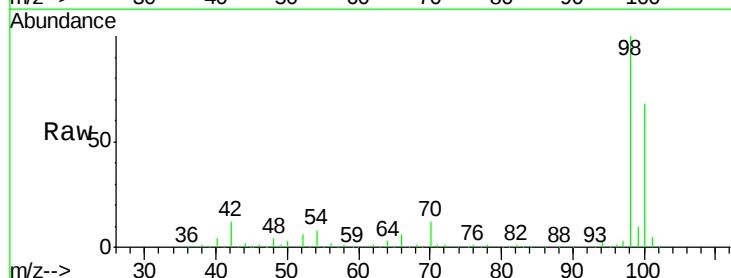
Manual Integrations
 APPROVED

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 3/5/2020 1:37:08 PM



#50
 Toluene-d8
 Concen: 19.689 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 90.129 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 151566

Ion Ratio Lower Upper

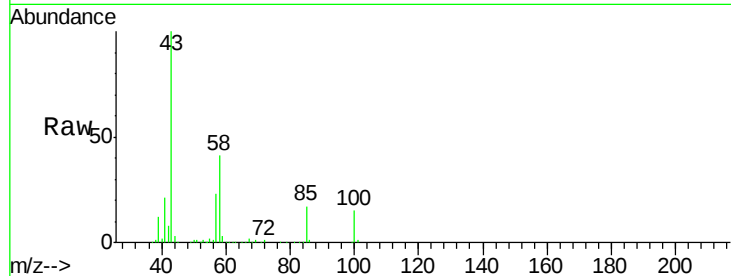
43 100

58 39.7 32.0 48.0

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.08

80000

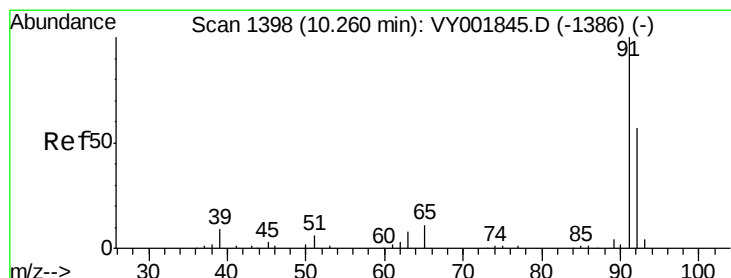
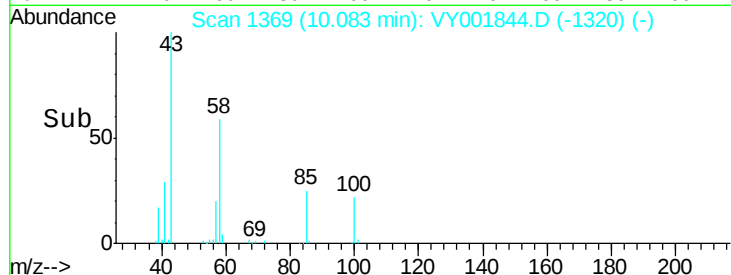
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.508 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001844.D

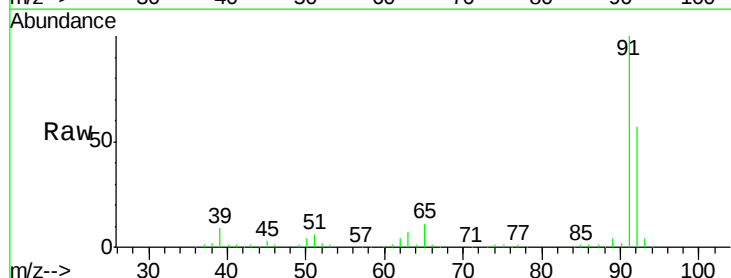
Acq: 04 Mar 2020 11:11

Tgt Ion: 92 Resp: 108899

Ion Ratio Lower Upper

92 100

91 175.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)

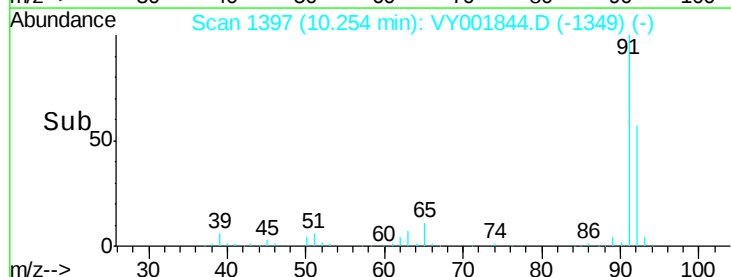
10.25

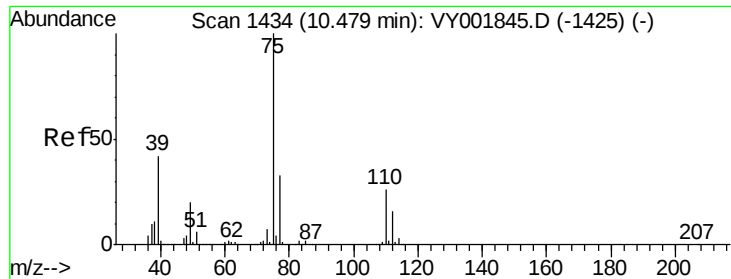
100000

50000

0

Time-->





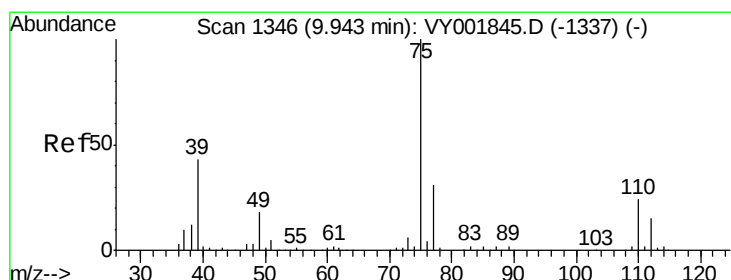
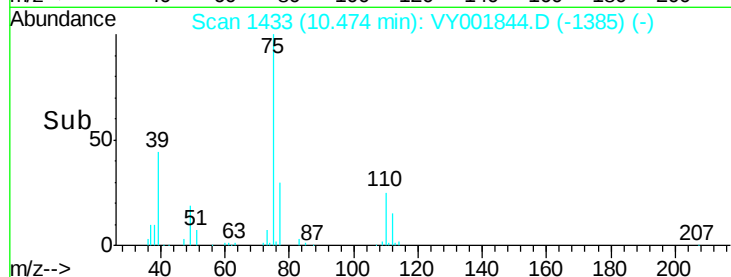
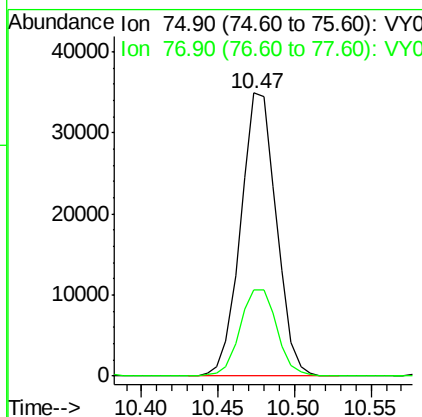
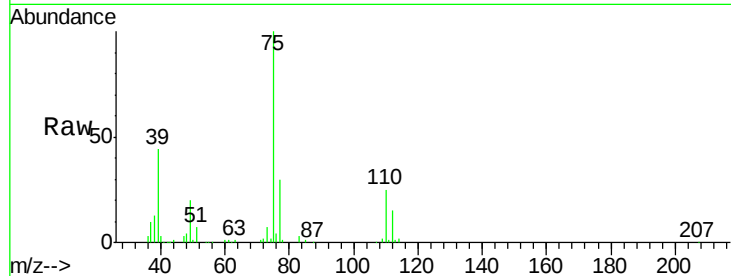
#53
 t-1,3-Dichloropropene
 Concen: 19.523 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 56436
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.3 39.5

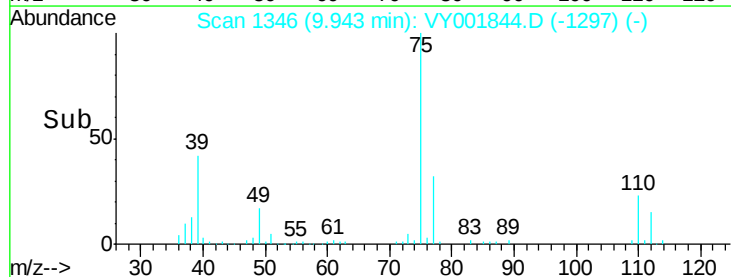
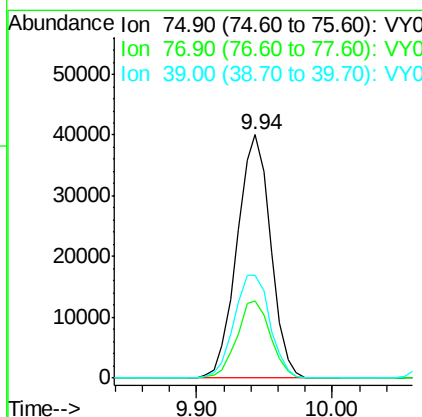
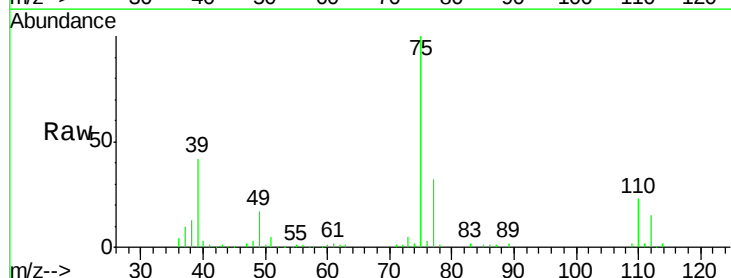
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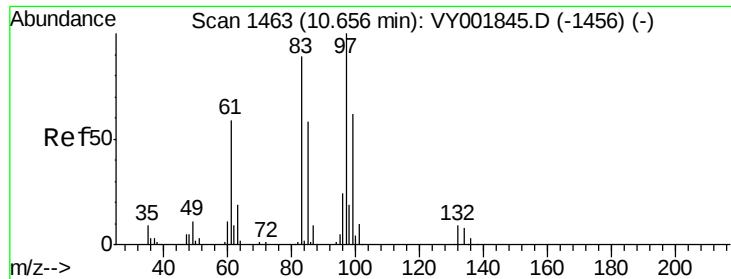
MMDadoda
 3/5/2020 1:37:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.029 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion: 75 Resp: 69006
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7
 39 42.2 34.7 52.1





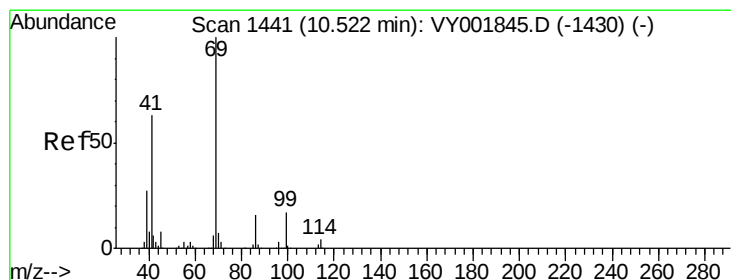
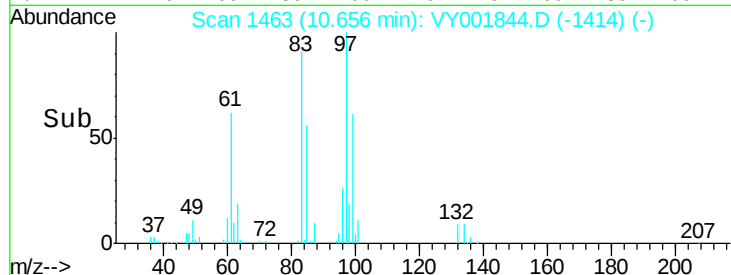
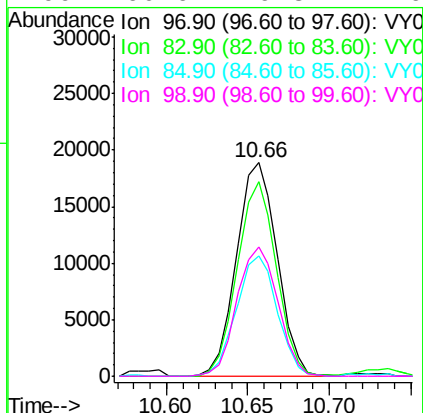
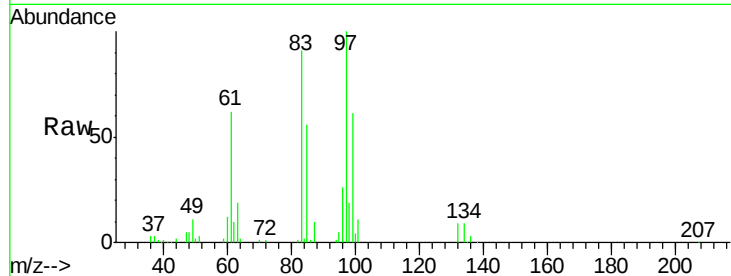
#55
 1,1,2-Trichloroethane
 Concen: 19.620 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	32782
Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.6	107.4
85	56.1	46.6	69.8
99	60.6	49.8	74.6

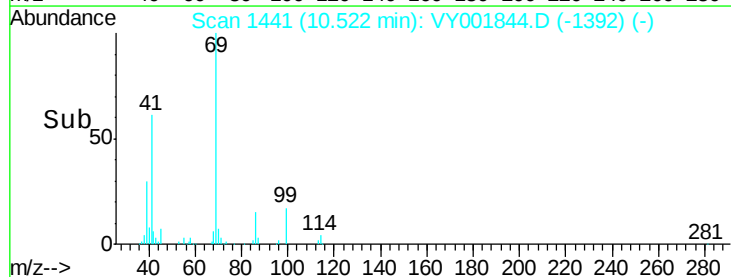
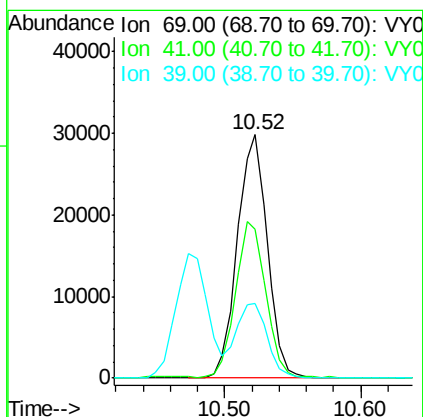
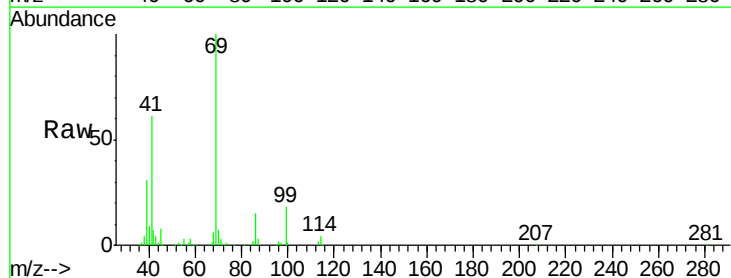
Manual Integrations
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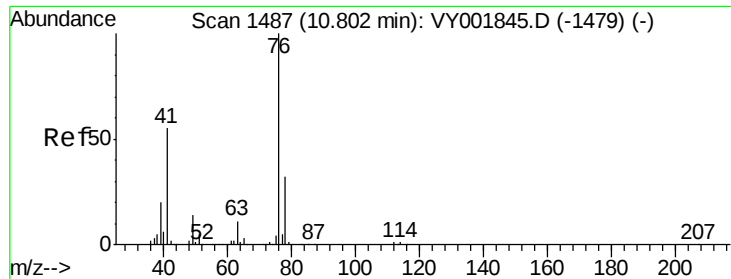
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.836 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion:	69	Resp:	45860
Ion	Ratio	Lower	Upper
69	100		
41	65.2	49.9	74.9
39	32.3	23.0	34.6





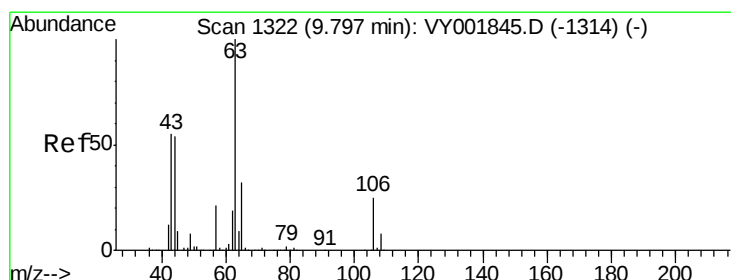
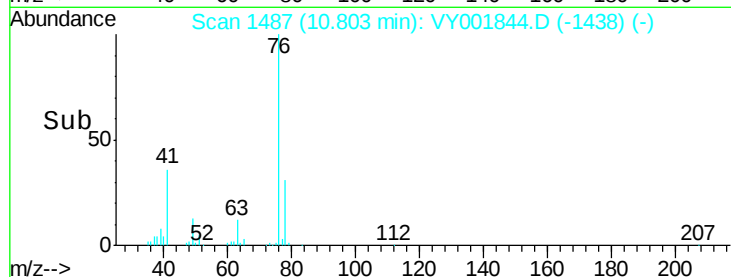
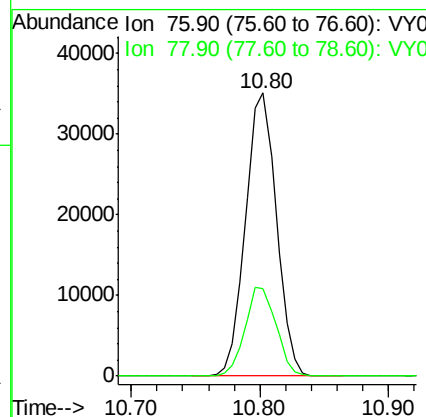
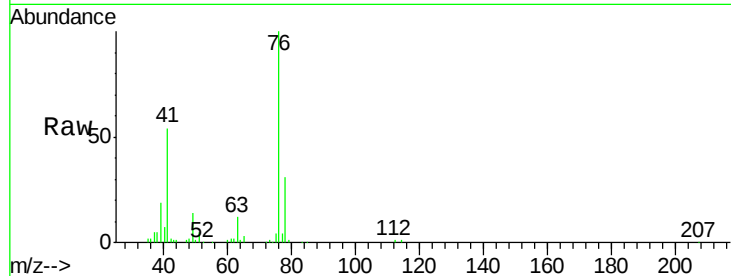
#57
 1,3-Dichloropropane
 Concen: 19.664 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

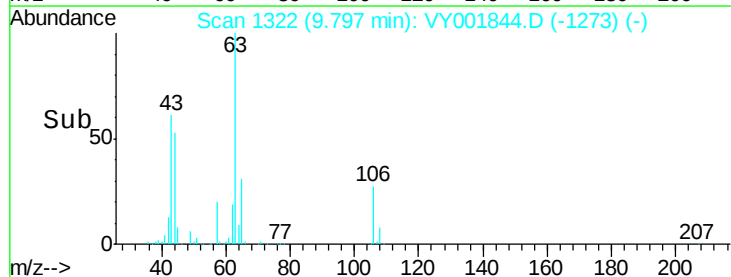
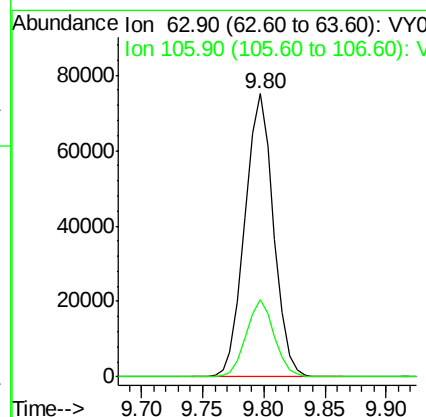
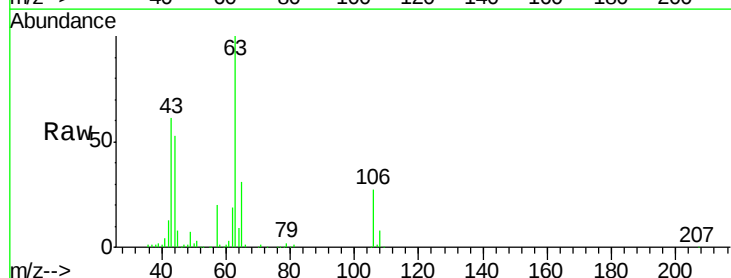
Manual Integrations
 APPROVED

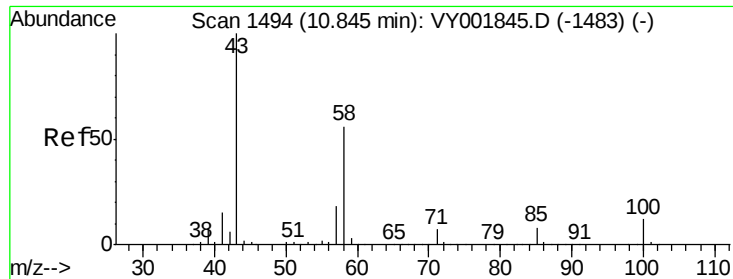
MMDadoda
 3/5/2020 1:37:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.575 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.3	31.9





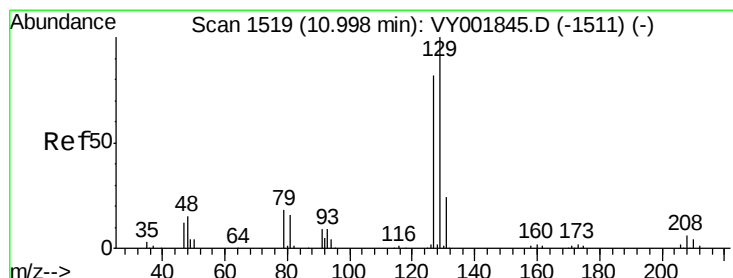
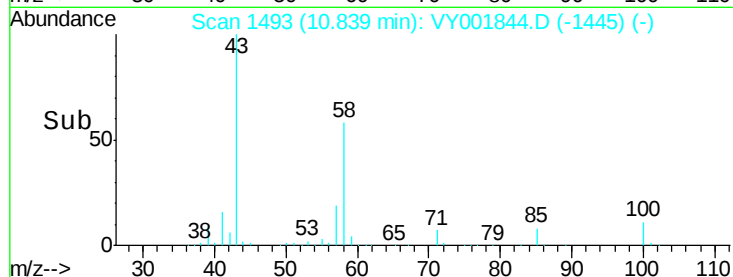
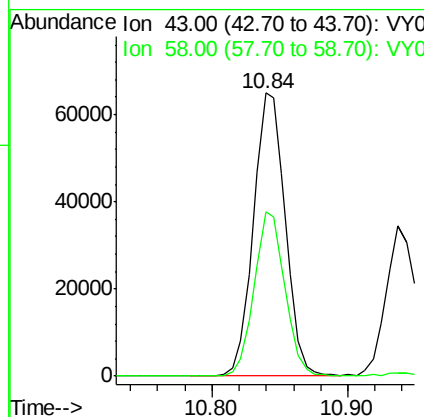
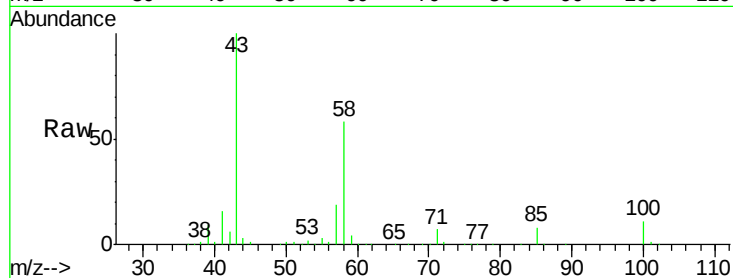
#59
2-Hexanone
Concen: 89.296 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 106771
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3

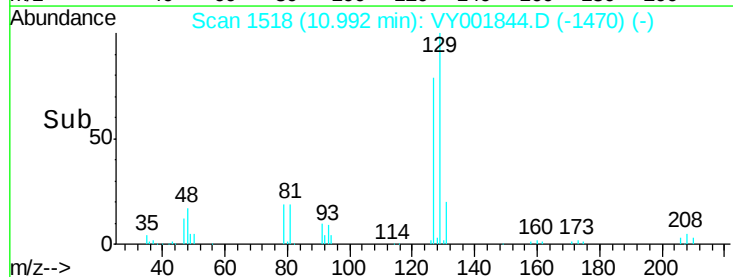
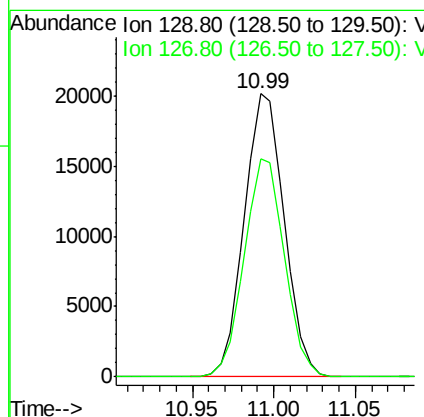
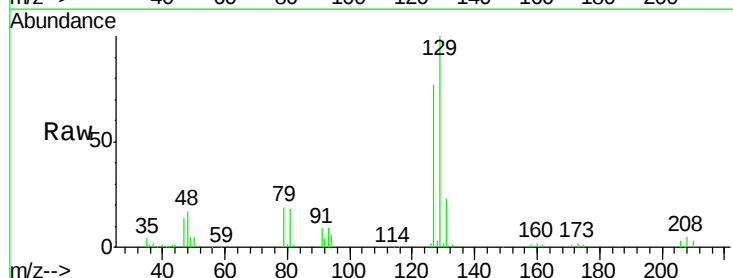
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#60
Dibromochloromethane
Concen: 19.533 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion: 129 Resp: 34299
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0





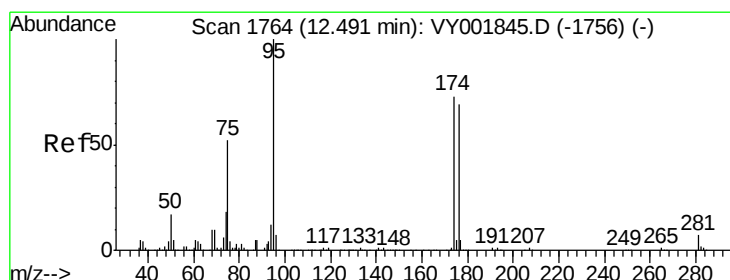
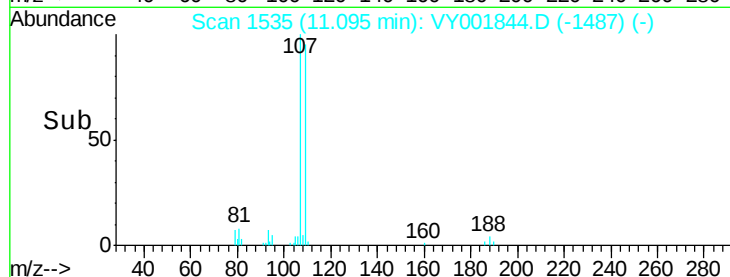
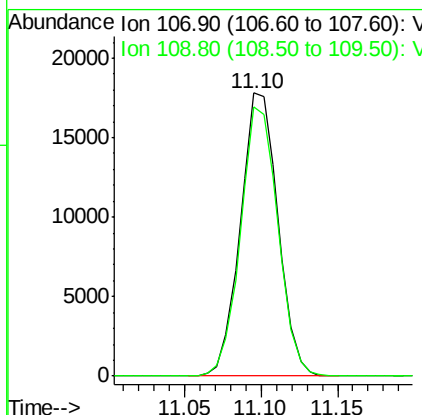
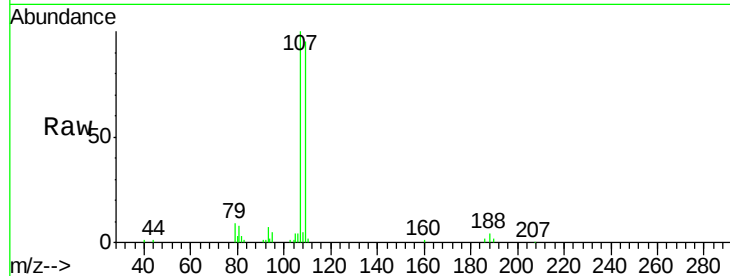
#61
1,2-Dibromoethane
Concen: 19.421 ug/l
RT: 11.10 min Scan# 1535
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

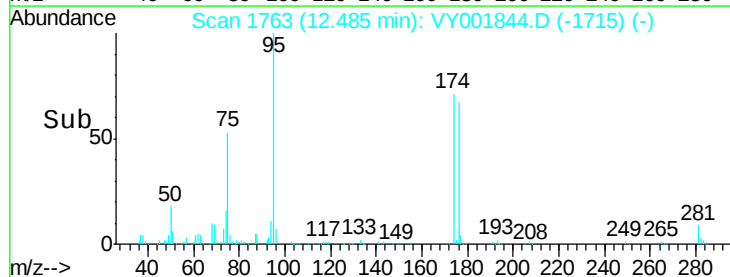
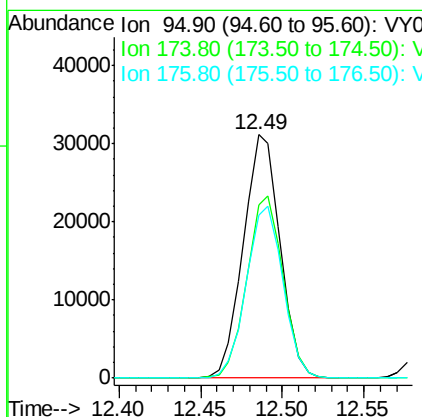
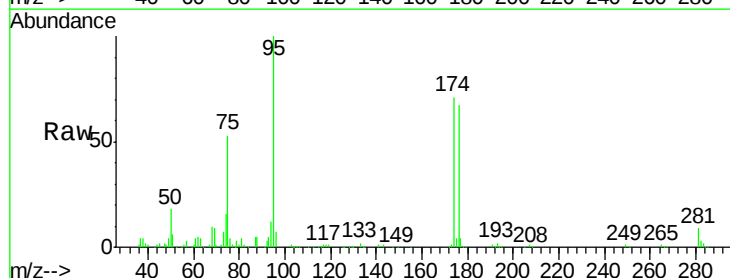
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#62
4-Bromofluorobenzene
Concen: 19.515 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.0
176	70.3	0.0	137.4





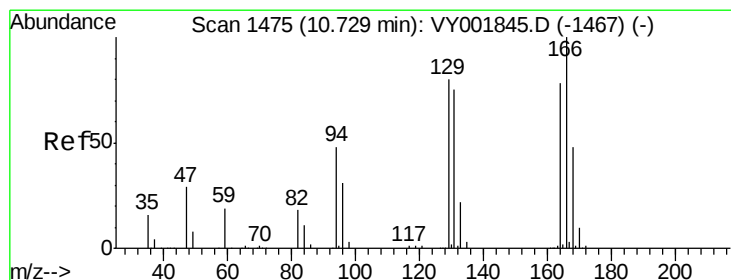
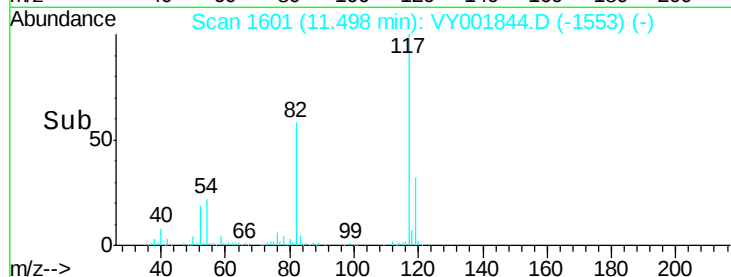
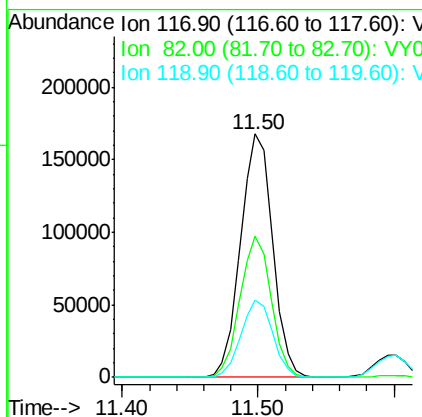
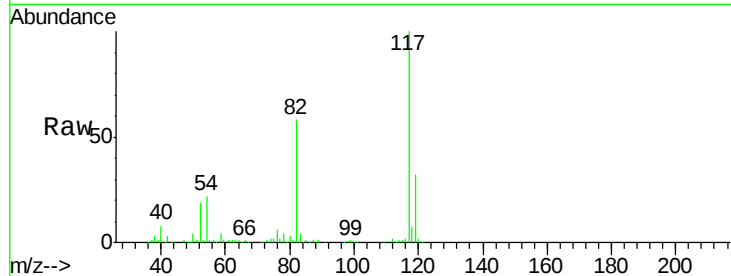
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	276529		
82	58.1		44.5	66.7
119	31.8		25.7	38.5

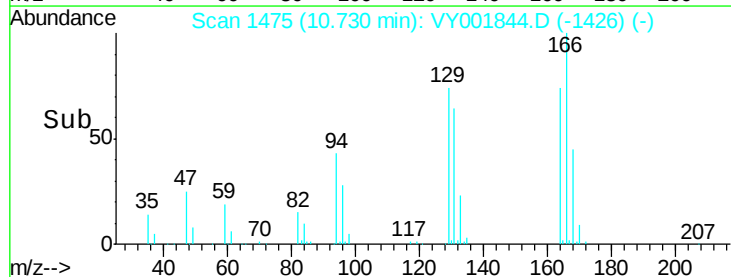
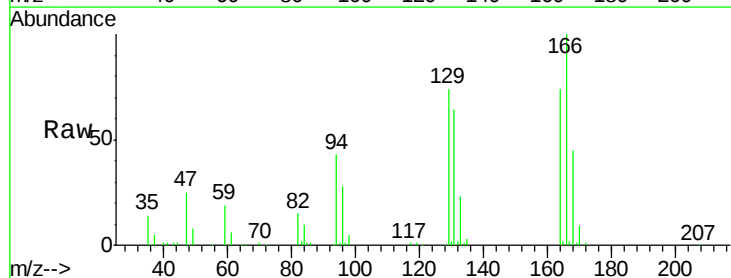
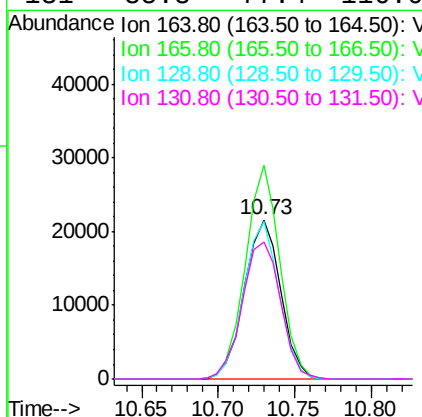
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#64
Tetrachloroethene
Concen: 20.898 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35647		
166	134.2		102.6	154.0
129	98.7		82.3	123.5
131	85.8		77.4	116.0





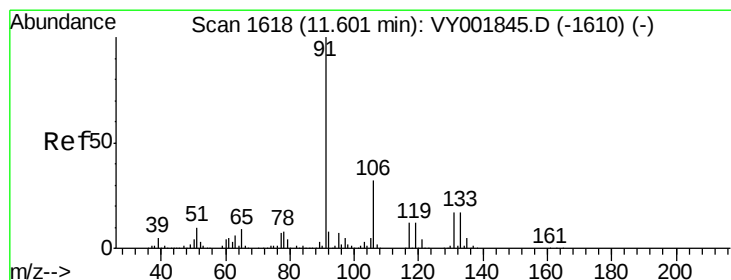
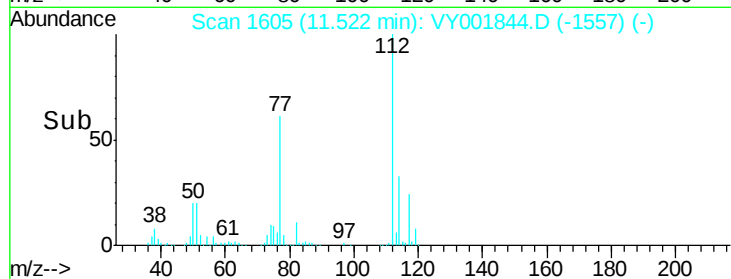
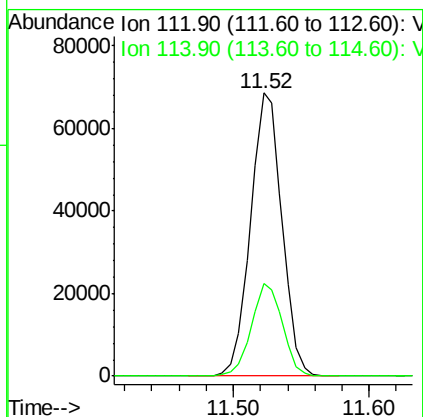
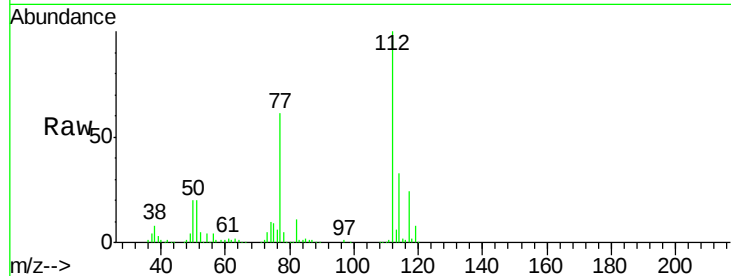
#65
Chlorobenzene
Concen: 20.602 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.9	38.9

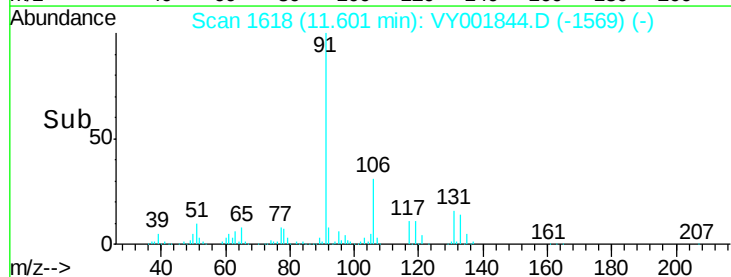
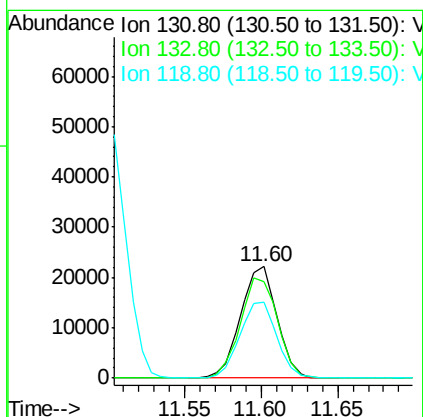
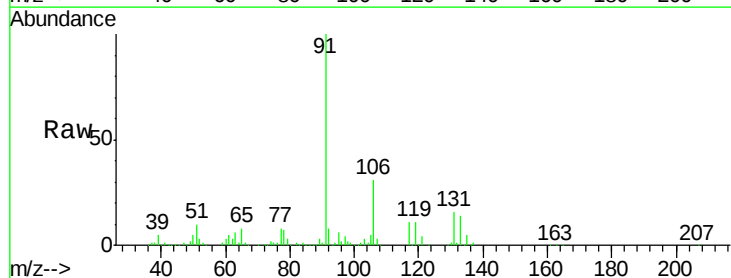
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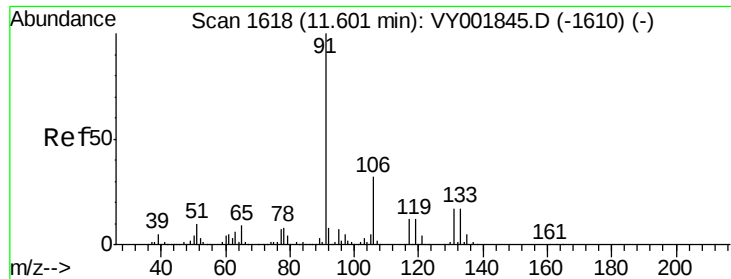
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.757 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.0	47.1	141.3
119	69.0	34.5	103.6





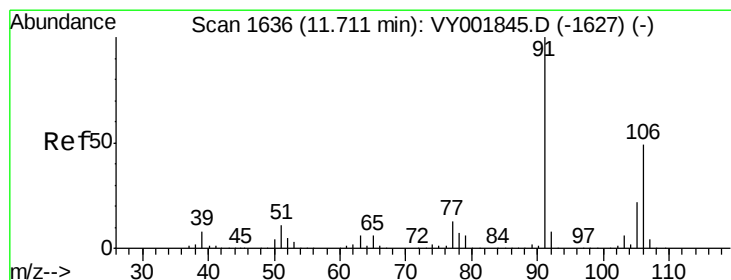
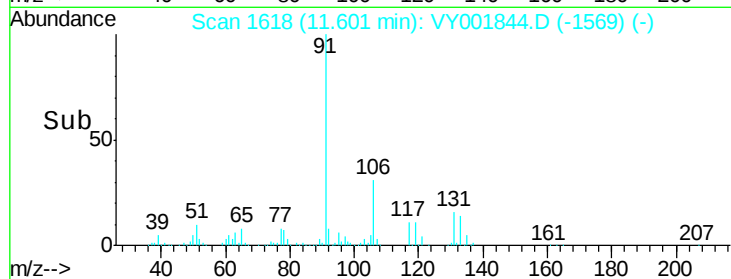
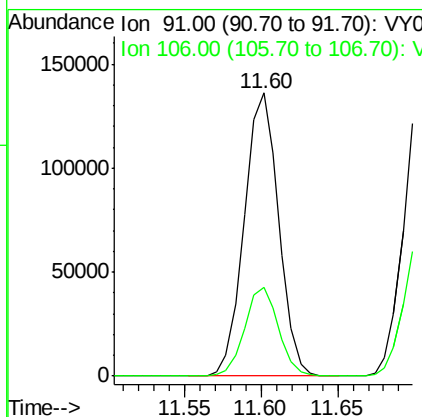
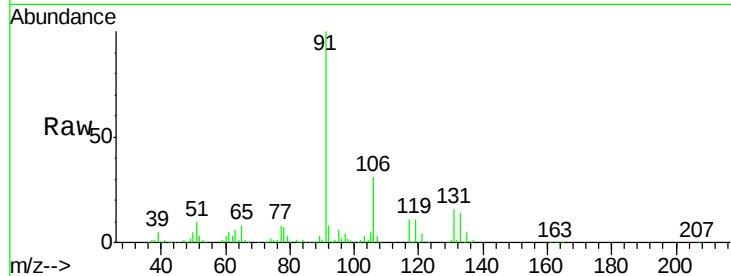
#67
Ethyl Benzene
Concen: 21.043 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 212282
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

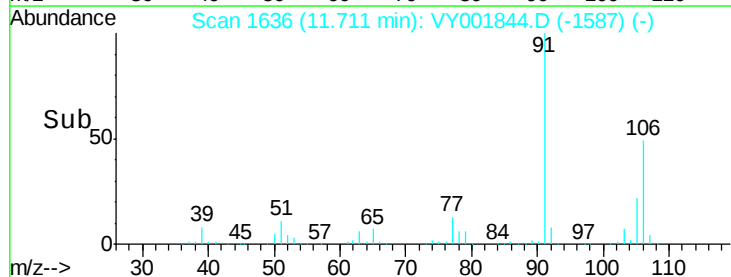
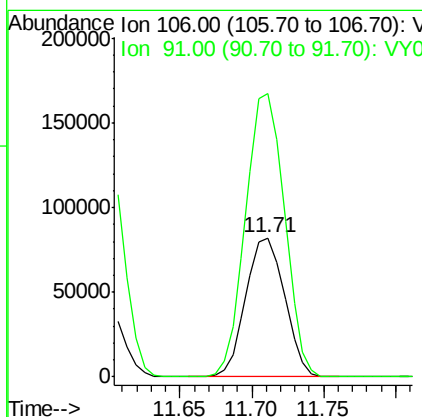
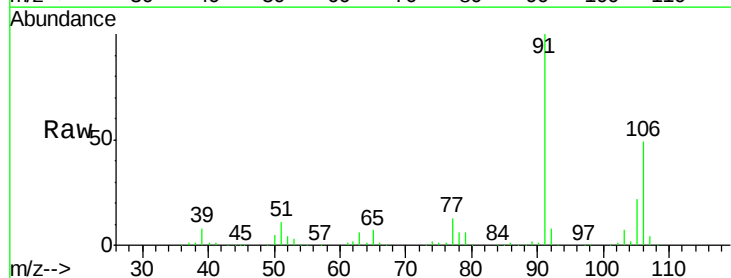
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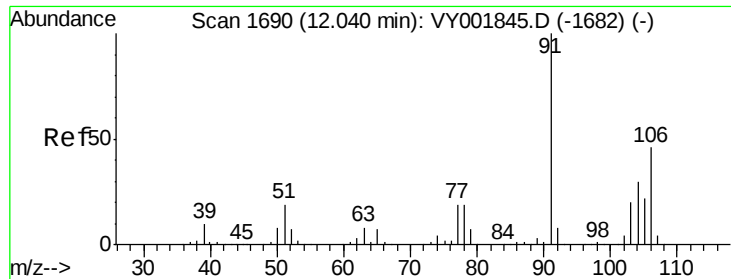
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#68
m/p-Xylenes
Concen: 41.293 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion: 106 Resp: 154161
Ion Ratio Lower Upper
106 100
91 203.8 161.3 241.9





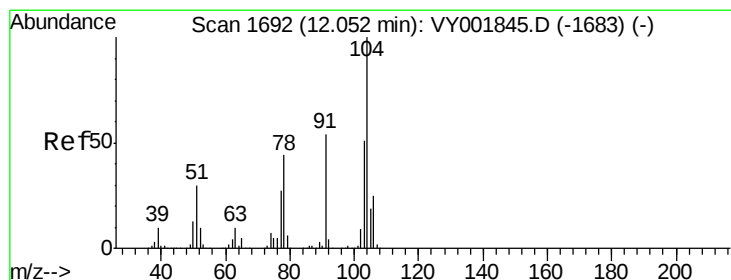
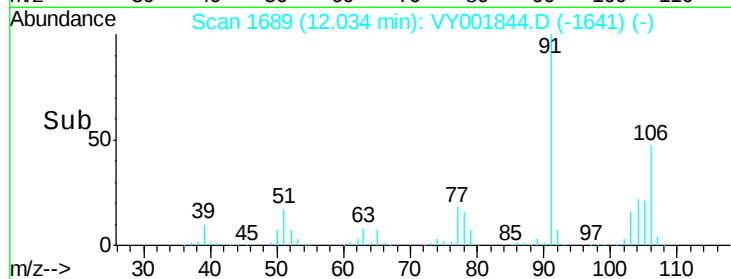
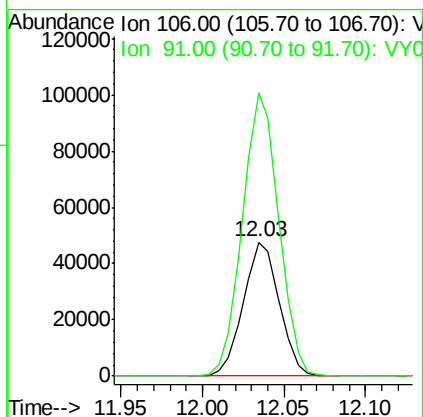
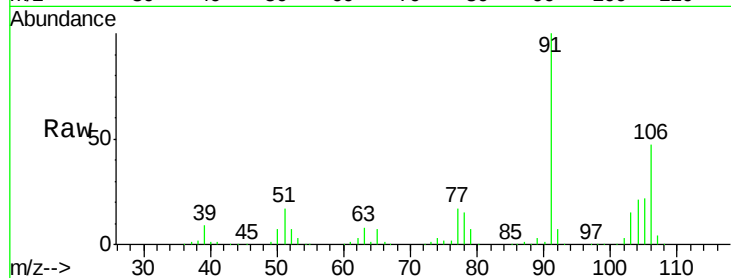
#69
o-Xylene
Concen: 20.894 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 73368
Ion Ratio Lower Upper
106 100
91 212.9 106.8 320.4

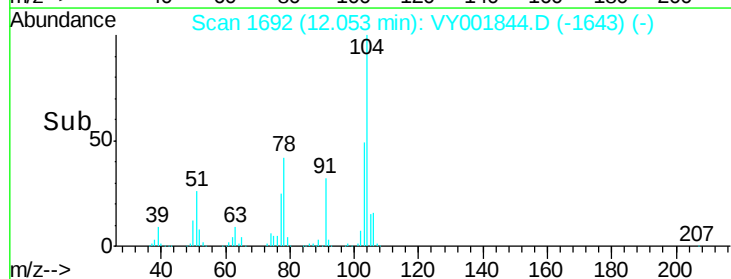
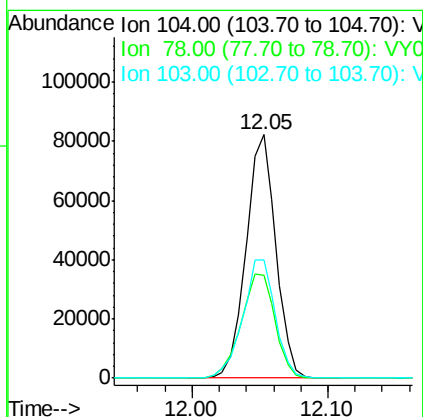
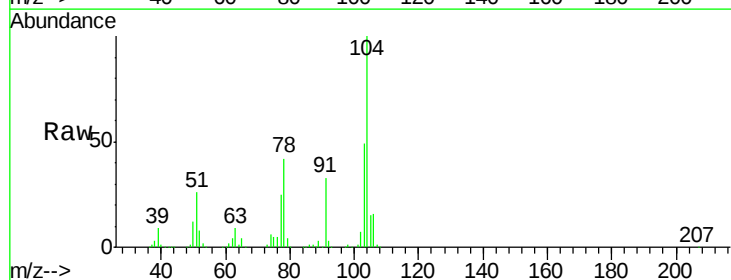
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#70
Styrene
Concen: 20.764 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion:104 Resp: 126115
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 53.0 42.9 64.3





#71

Bromoform

Concen: 18.389 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 17709

Ion Ratio Lower Upper

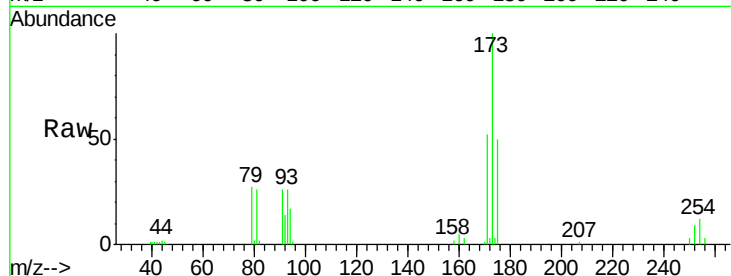
173 100

175 51.0 24.3 72.8

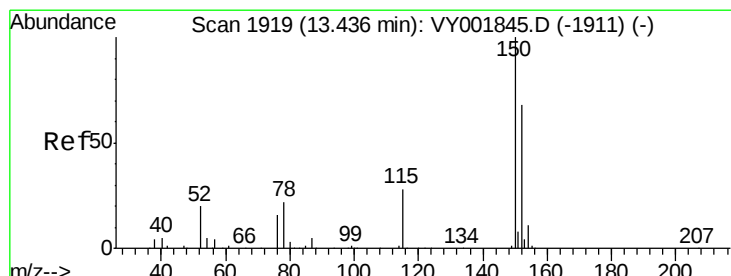
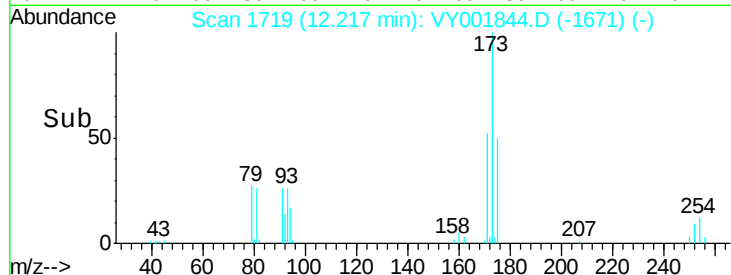
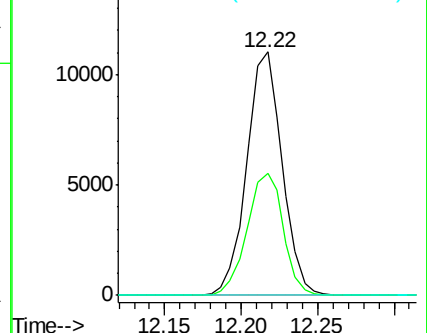
254 0.0 0.0 0.0

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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: VY001844.D

Acq: 04 Mar 2020 11:11

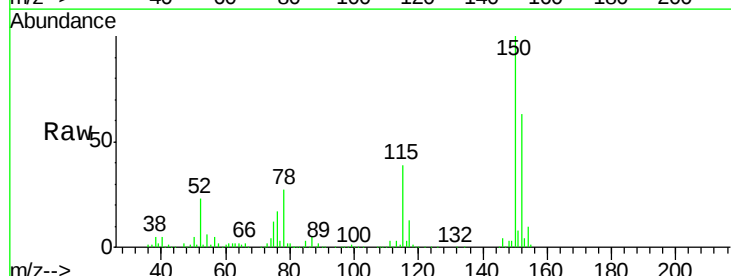
Tgt Ion:152 Resp: 128168

Ion Ratio Lower Upper

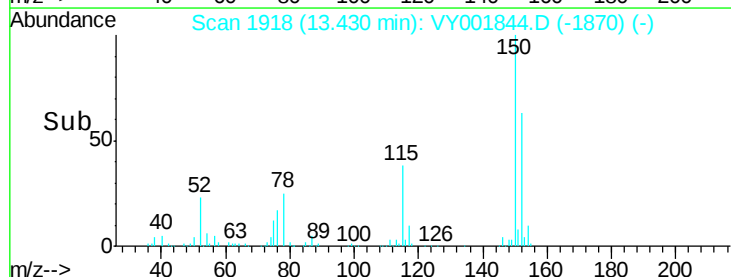
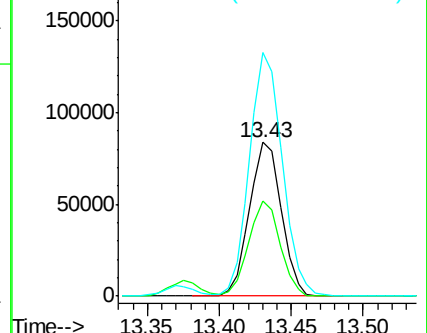
152 100

115 61.1 29.9 89.7

150 163.5 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: 20.424 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 196587

Ion Ratio Lower Upper

105 100

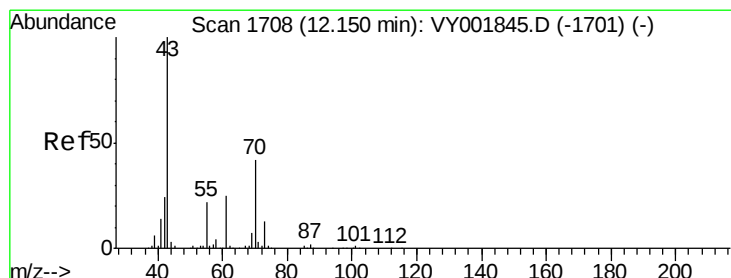
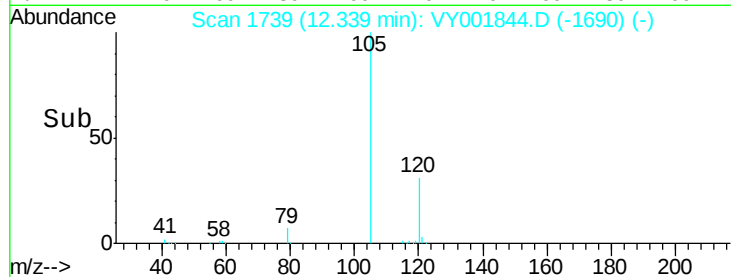
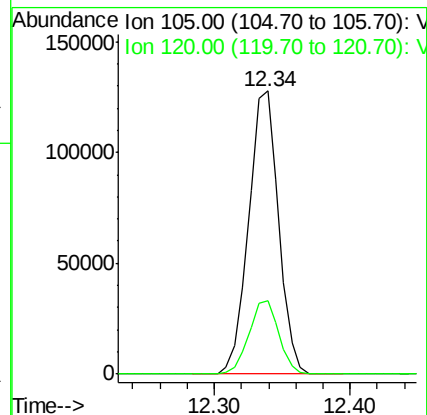
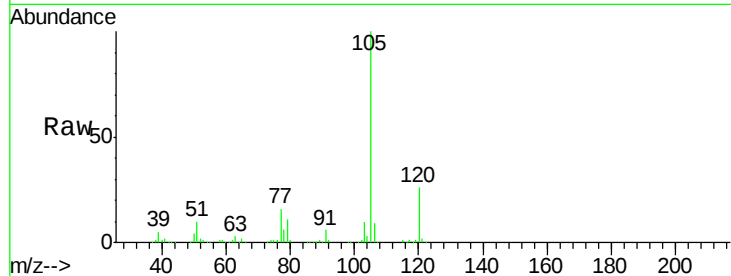
120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 18.926 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion: 43 Resp: 55860

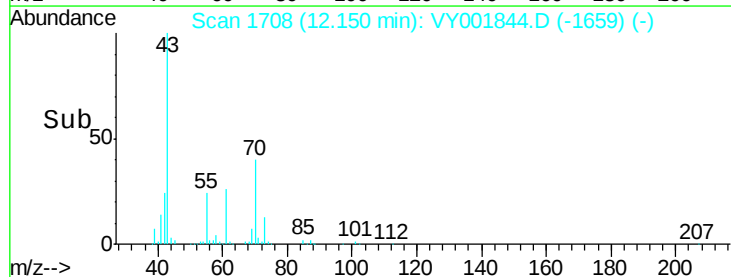
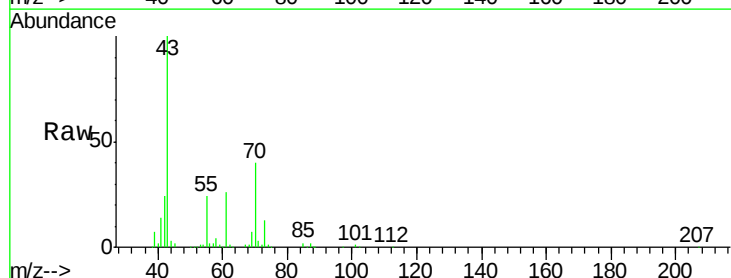
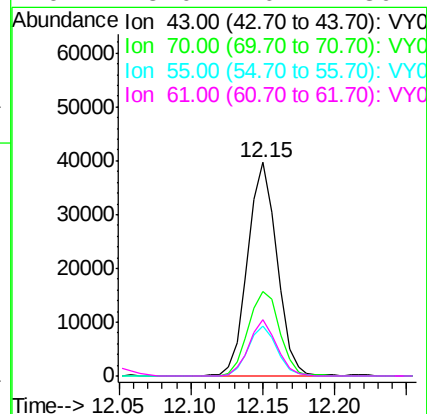
Ion Ratio Lower Upper

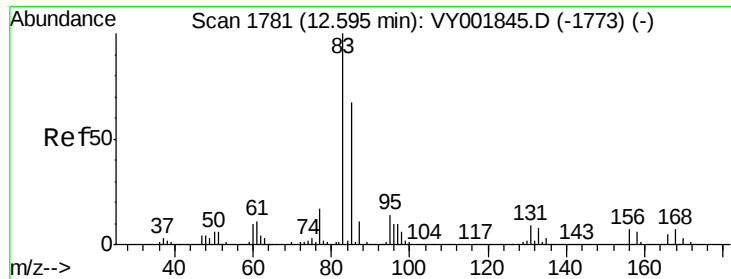
43 100

70 42.3 34.7 52.1

55 23.3 18.2 27.4

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.665 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

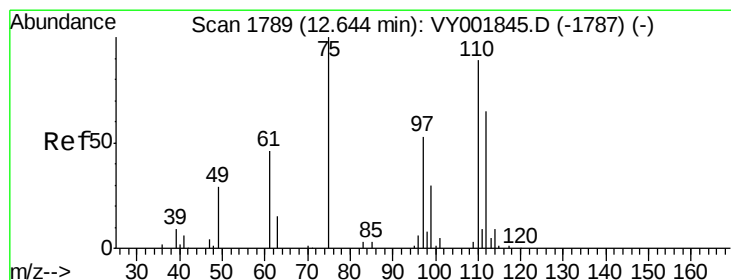
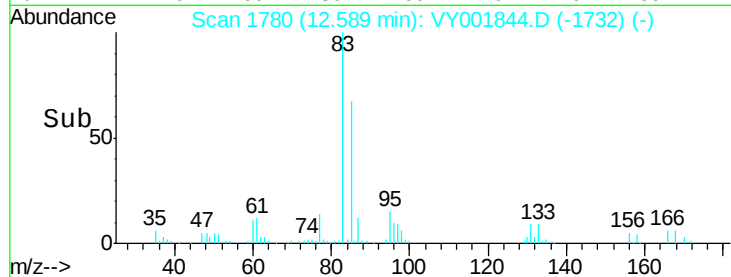
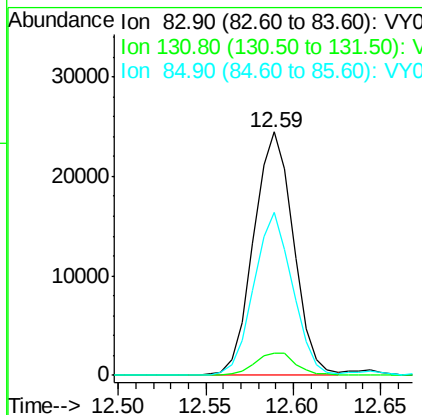
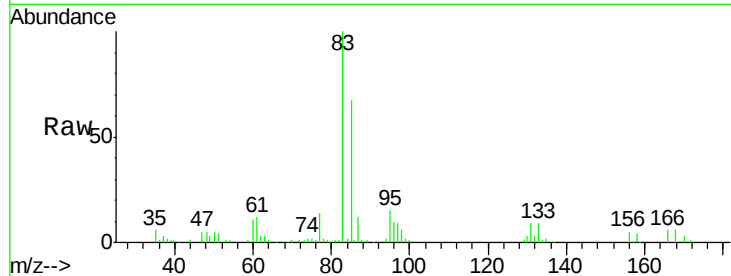
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	38728
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	65.1	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 11.352 ug/l m

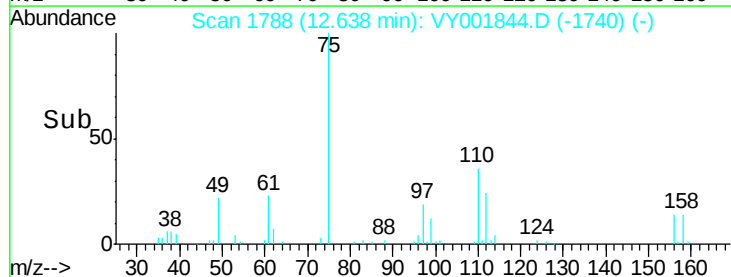
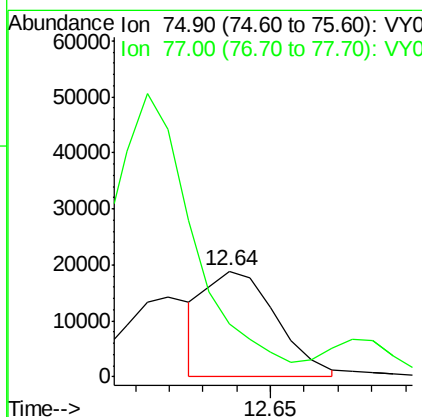
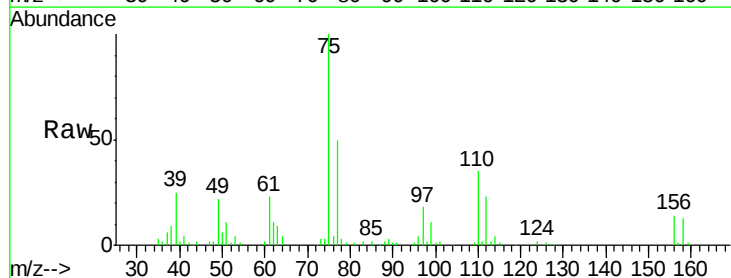
RT: 12.64 min Scan# 1788

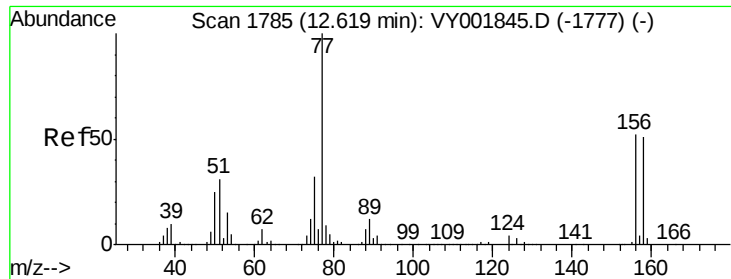
Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	75	Resp:	27643
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.769 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

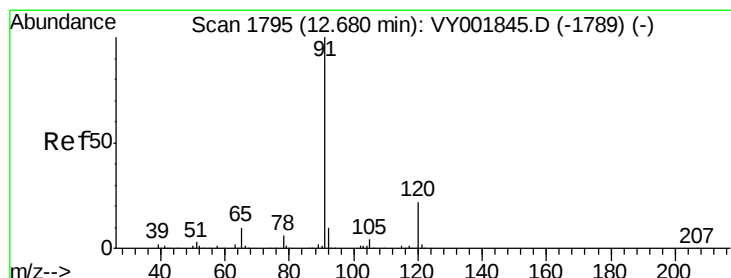
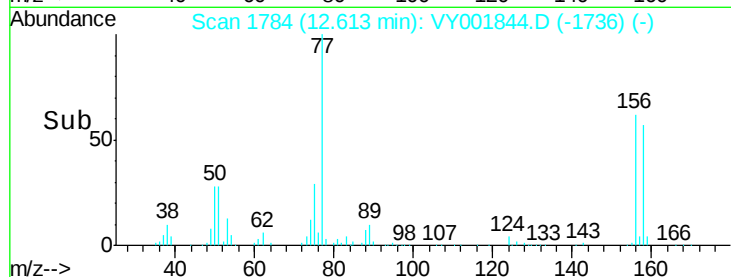
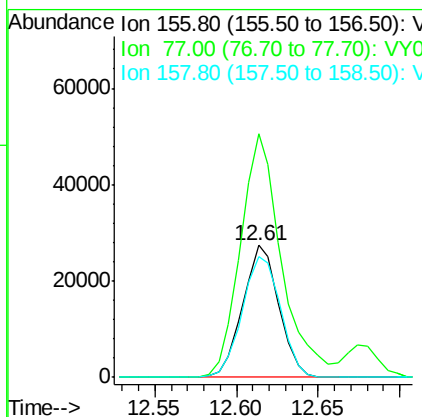
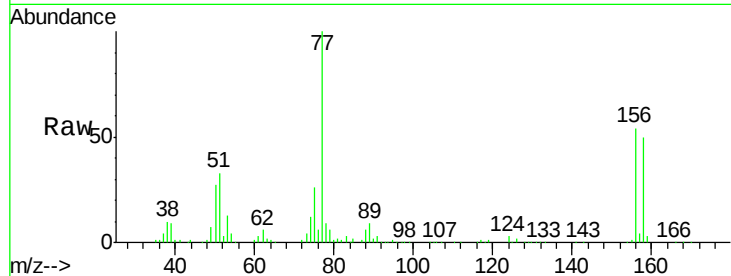
ClientSampleId :

VSTDIC020

Tot Ion	156	Resp	42447
Ion Ratio	Lower	Upper	
156	100		
77	207.5	109.0	327.0
158	96.6	48.9	146.8

Manual Integrations
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3/5/2020 1:37:08 PM



#78

n-propylbenzene

Concen: 20.653 ug/l

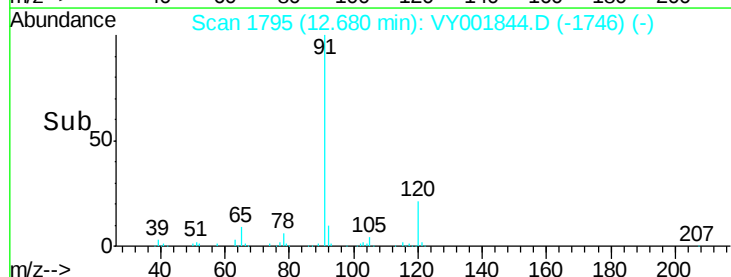
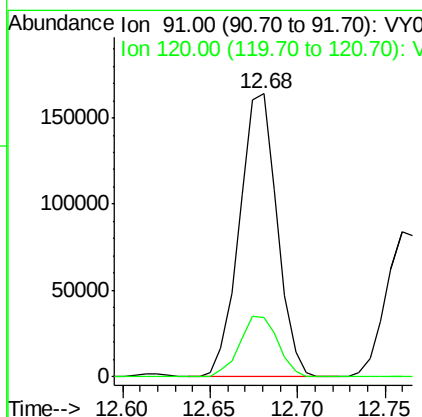
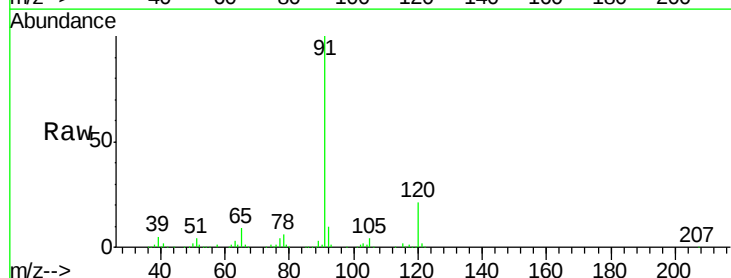
RT: 12.68 min Scan# 1795

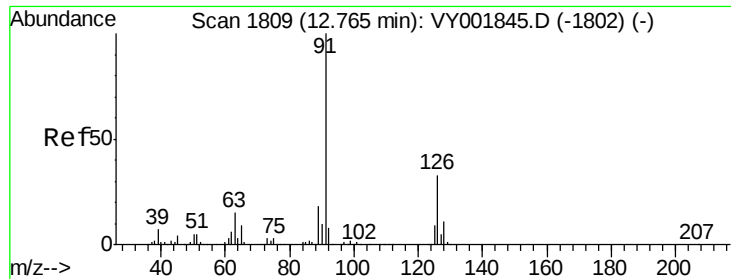
Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion	91	Resp	245189
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.439 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 134205

Ion Ratio Lower Upper

91 100

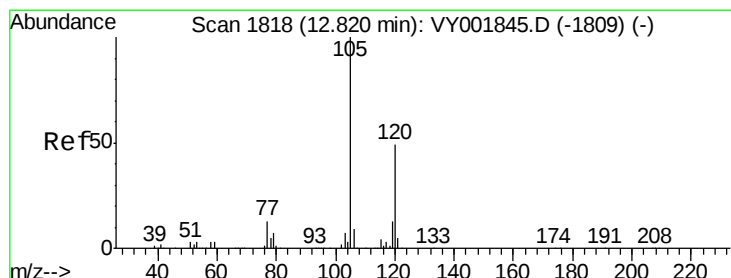
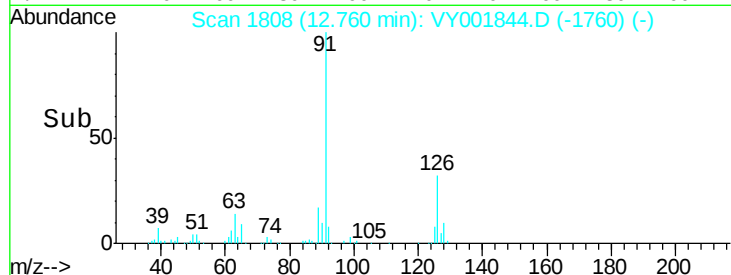
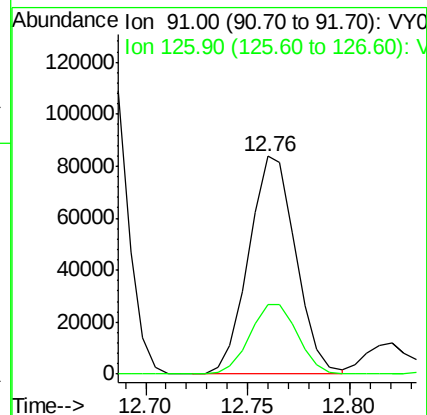
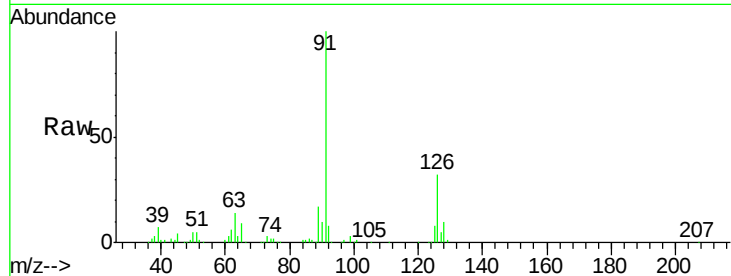
126 32.9 16.3 48.8

Manual Integrations

APPROVED

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3/5/2020 1:37:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.994 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001844.D

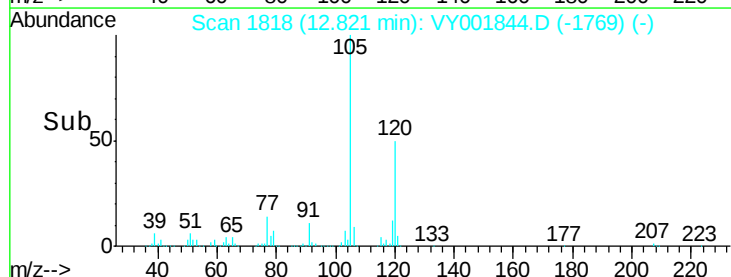
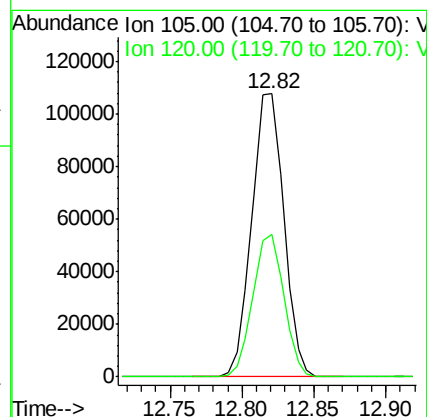
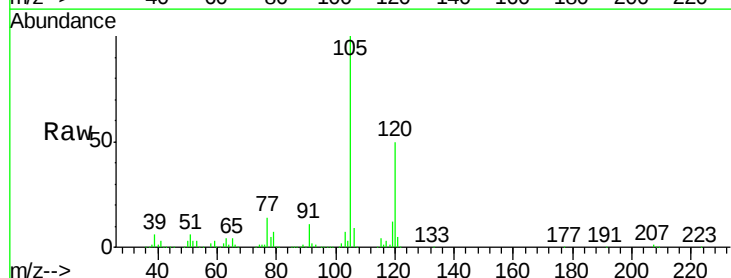
Acq: 04 Mar 2020 11:11

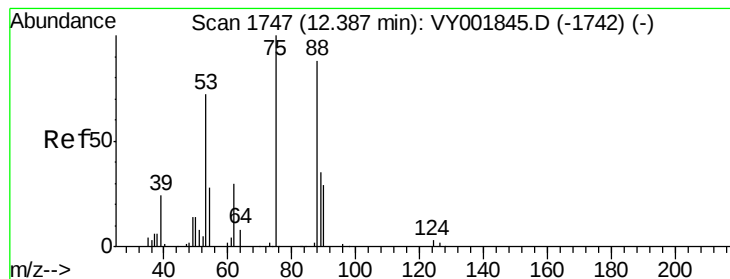
Tgt Ion: 105 Resp: 165473

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.778 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

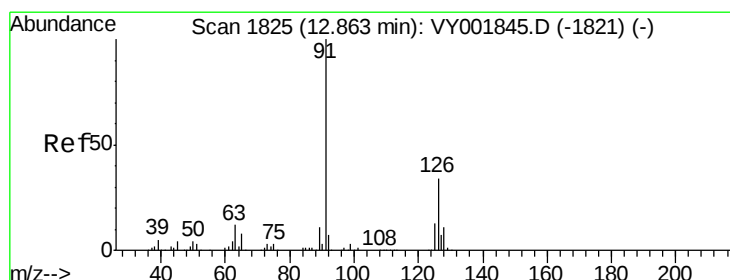
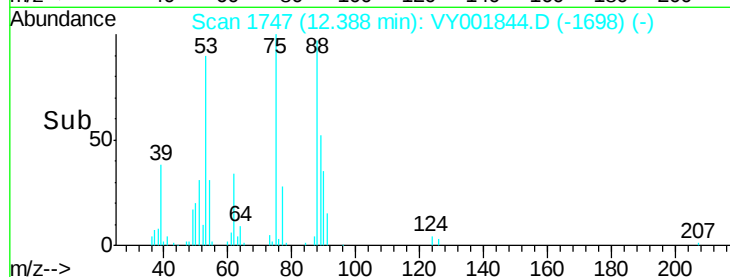
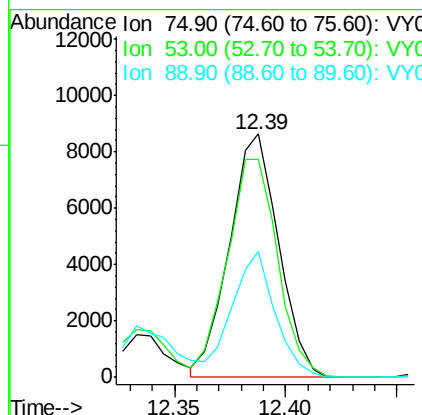
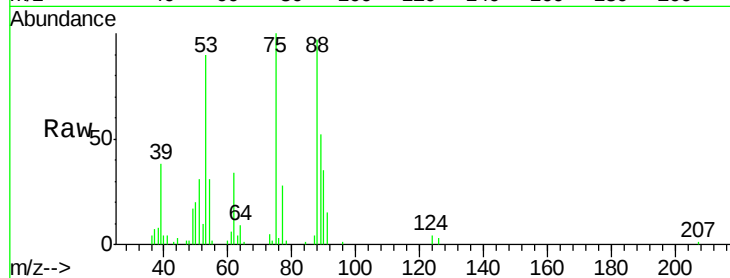
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	13243
Ion	Ratio	Lower	Upper
75	100		
53	92.5	65.4	98.0
89	45.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.604 ug/l

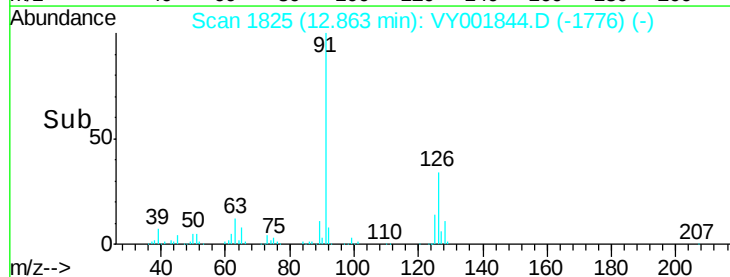
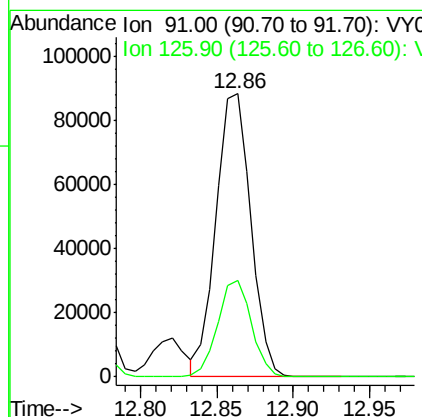
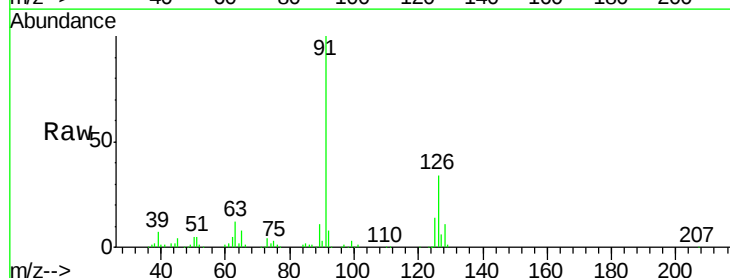
RT: 12.86 min Scan# 1825

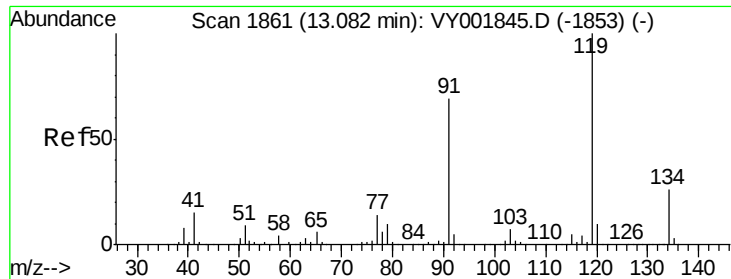
Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	91	Resp:	140117
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





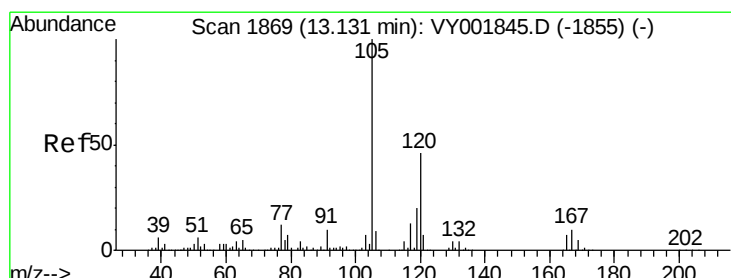
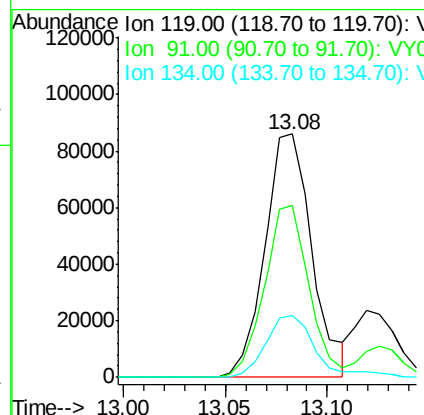
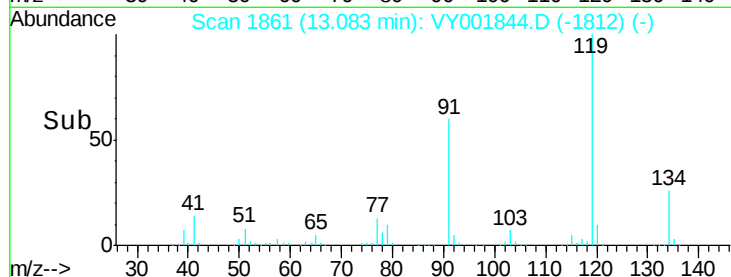
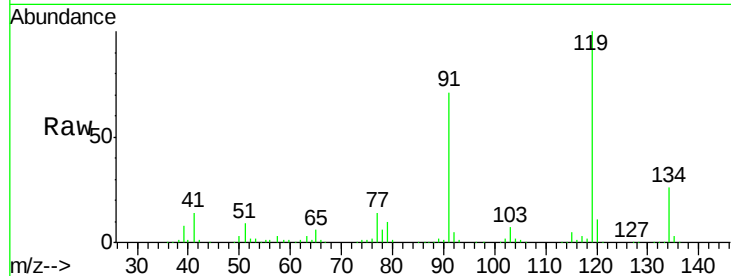
#83
tert-Butylbenzene
Concen: 20.992 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138236		
91	66.7	34.0	101.8	
134	27.0	13.5	40.4	

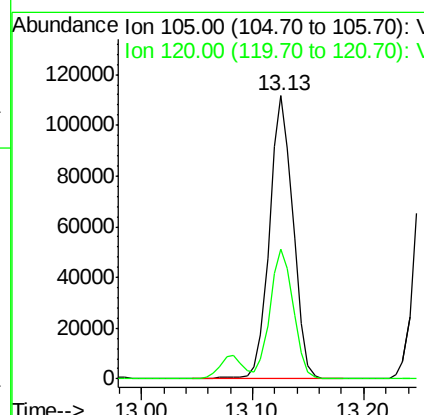
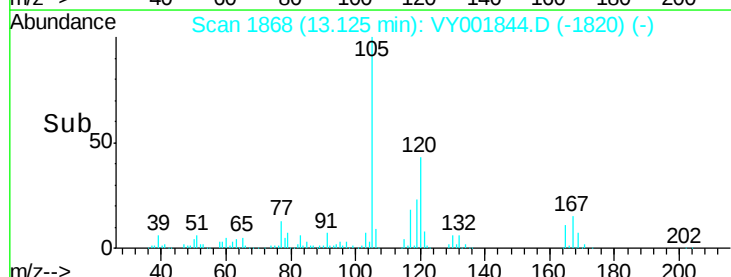
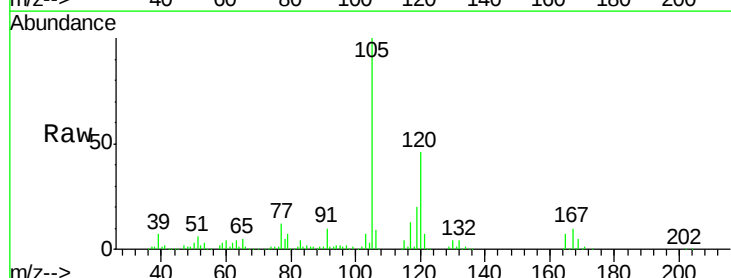
Manual Integrations
APPROVED

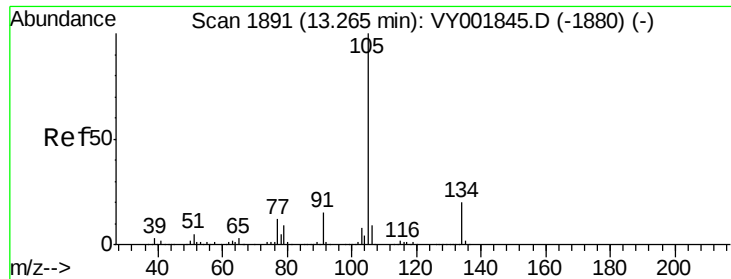
MMDadoda
3/5/2020 1:37:08 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.954 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165123		
120	45.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.816 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 202417

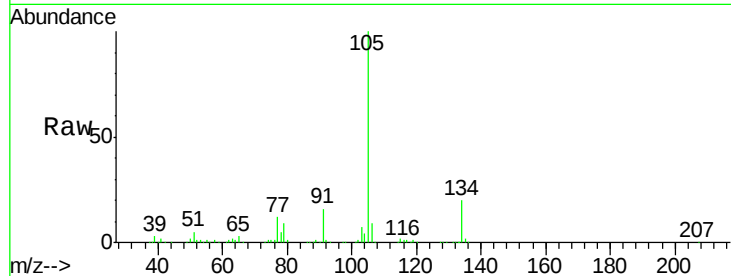
Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1

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

Ion 134.00 (133.70 to 134.70): V

13.26

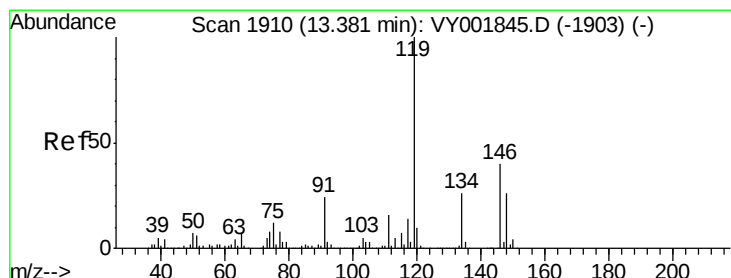
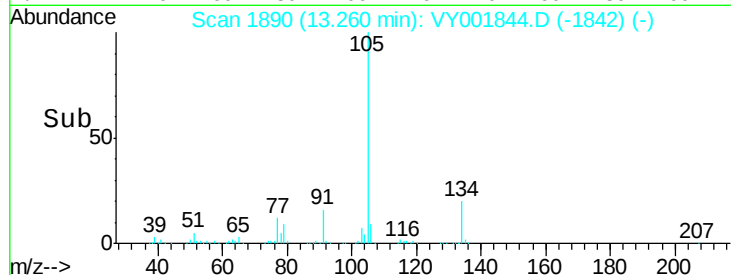
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.010 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

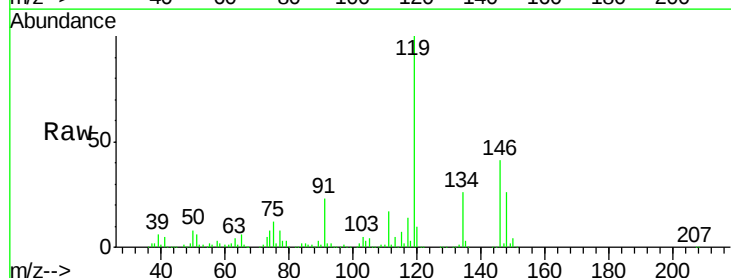
Tgt Ion:119 Resp: 175460

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.6 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

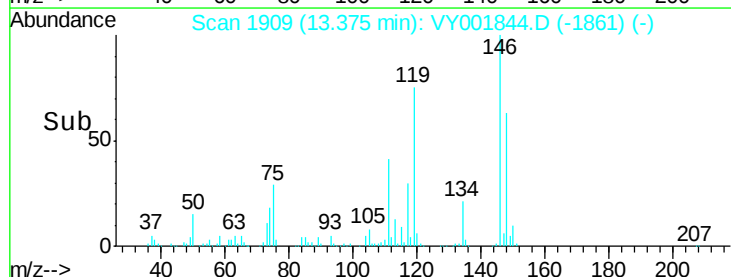
150000

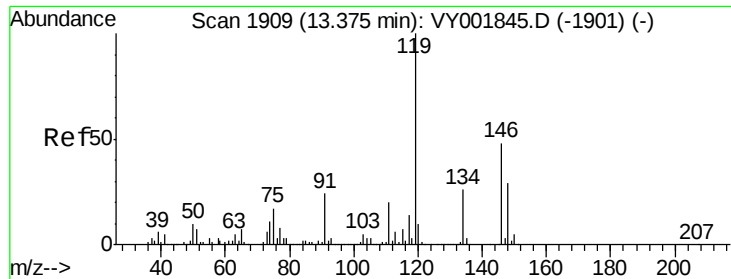
100000

50000

0

Time-->





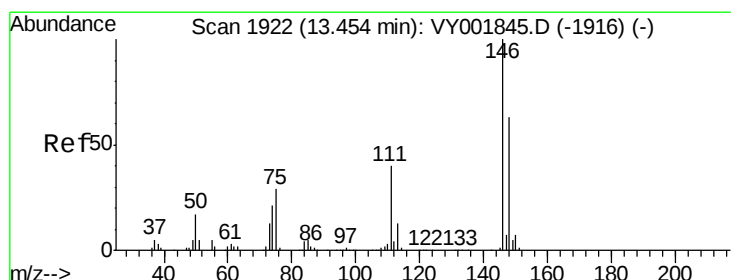
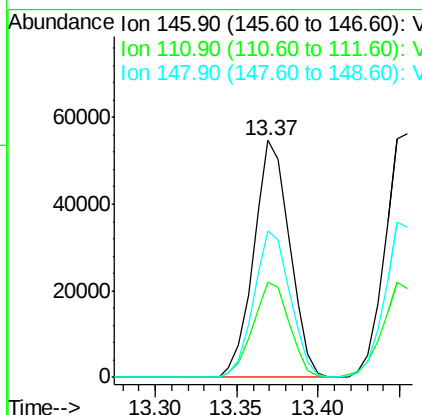
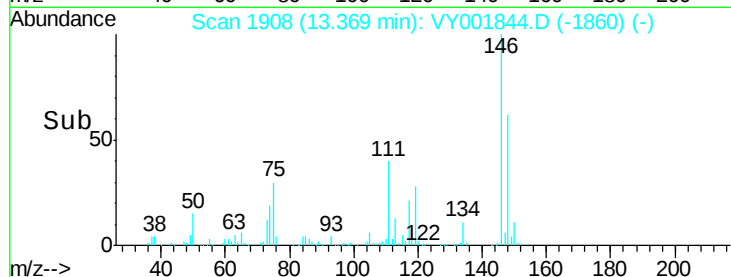
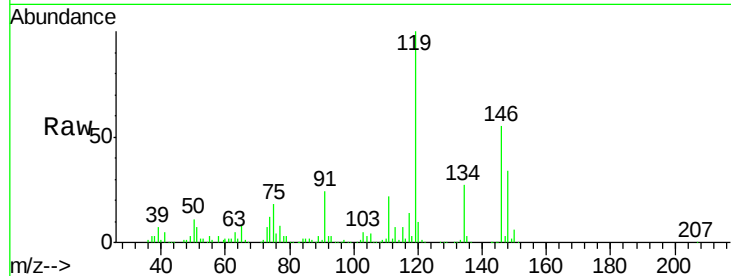
#87
 1,3-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	62.6	31.4	94.0

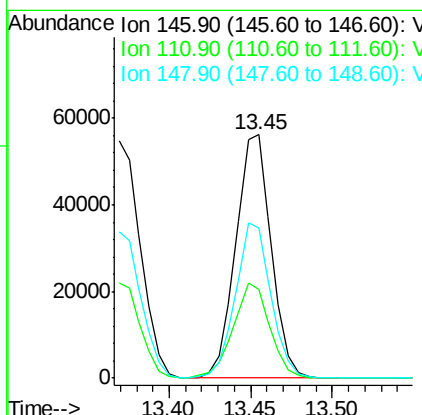
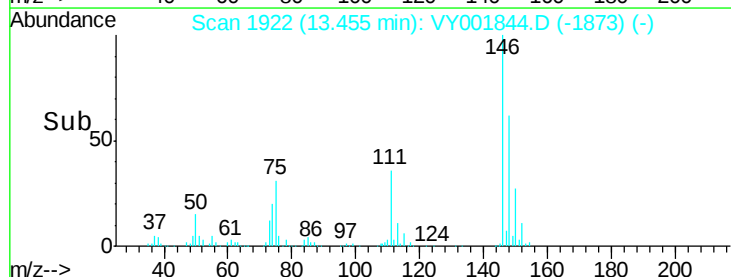
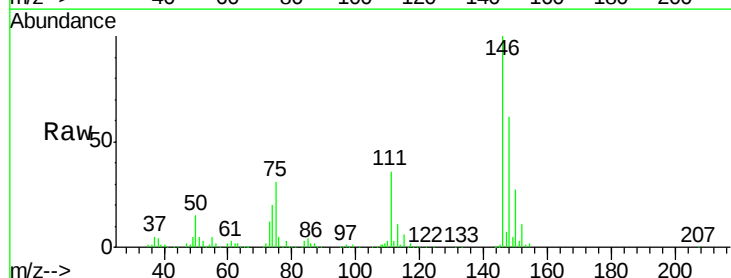
Manual Integrations
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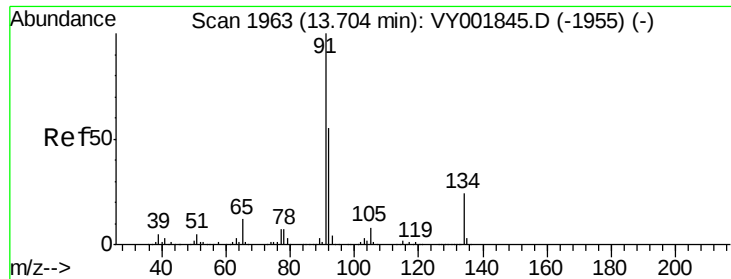
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 3/5/2020 1:37:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.979 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.0	31.5	94.5





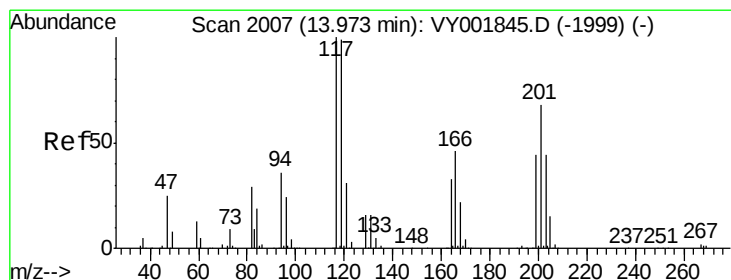
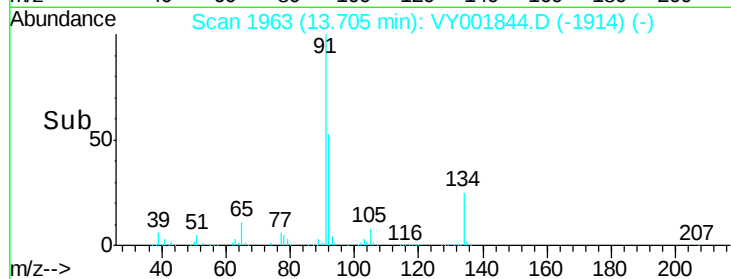
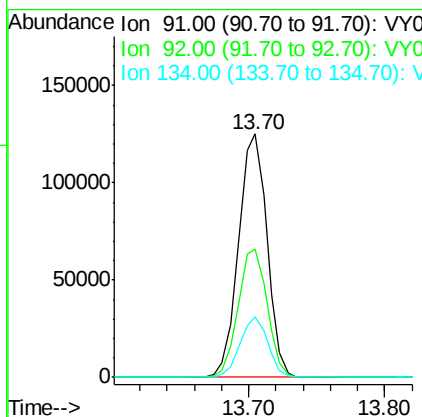
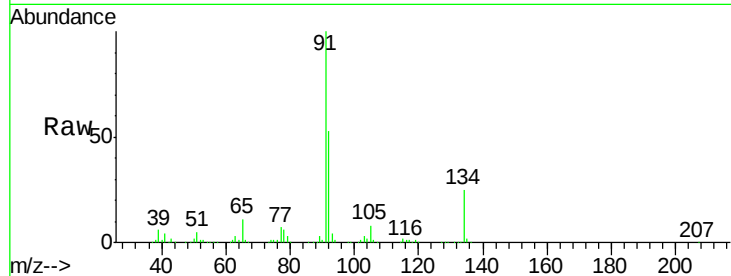
#89
n-Butylbenzene
Concen: 21.178 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.4
134	24.3	12.5	37.5

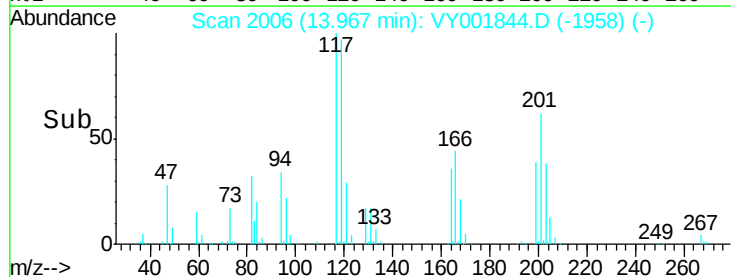
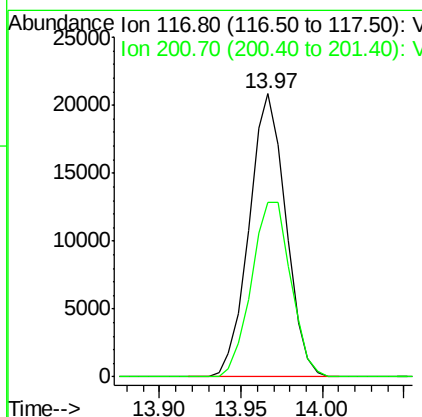
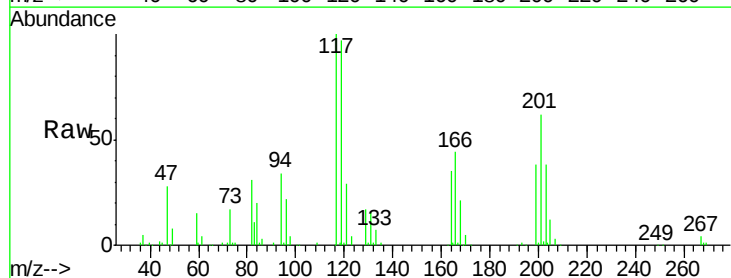
Manual Integrations
APPROVED

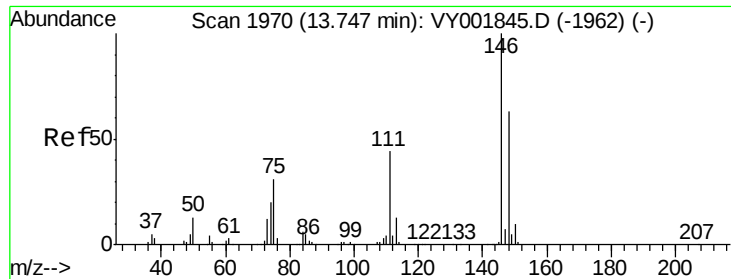
MMDadoda
3/5/2020 1:37:08 PM



#90
Hexachloroethane
Concen: 20.942 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001844.D
Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.3	32.5	97.5





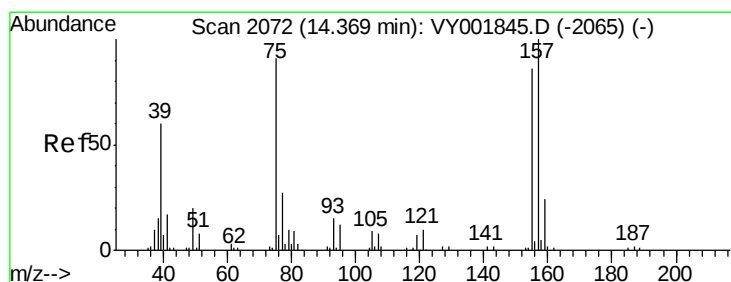
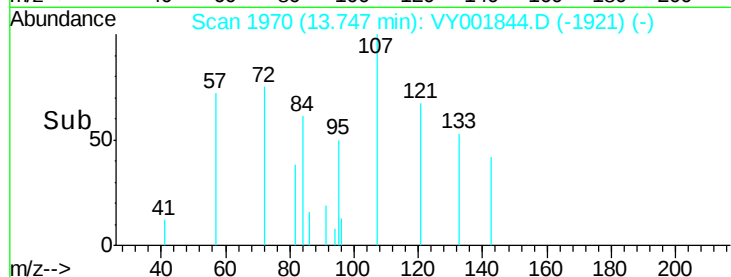
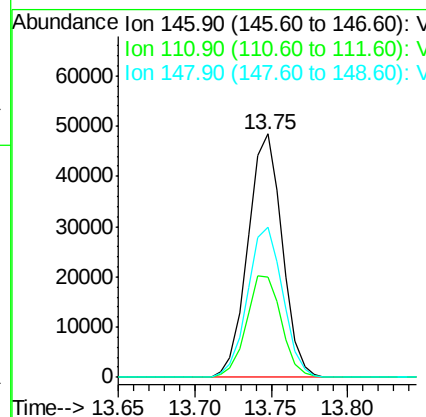
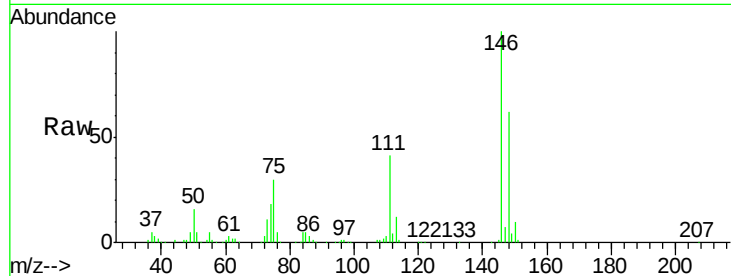
#91
 1,2-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.5	64.5
148	63.6	32.0	96.0

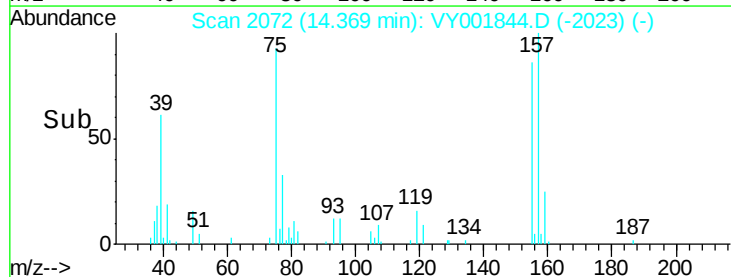
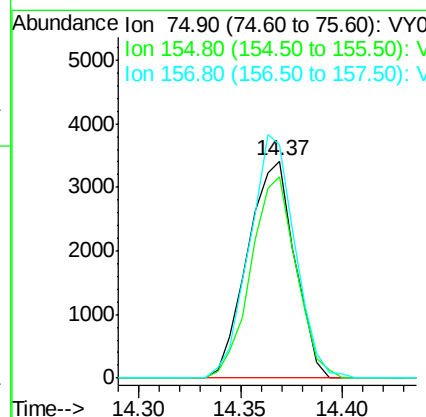
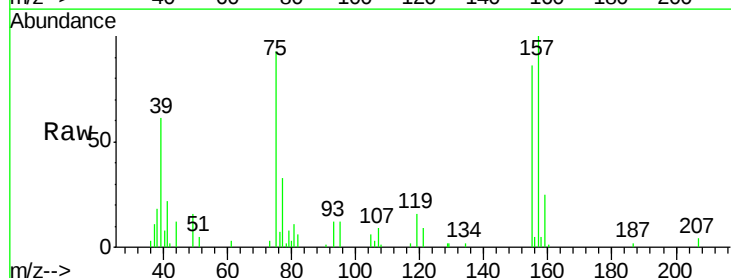
Manual Integrations
 APPROVED

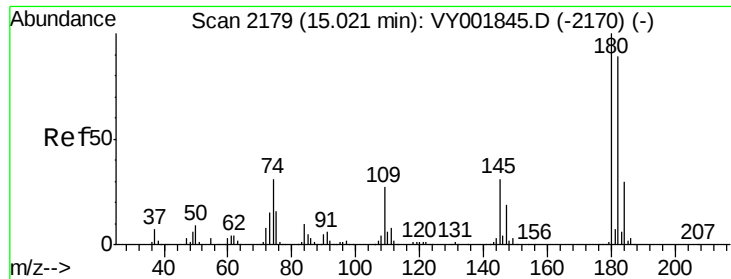
MMDadoda
 3/5/2020 1:37:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.014 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	42.9	128.7
157	108.3	53.1	159.4





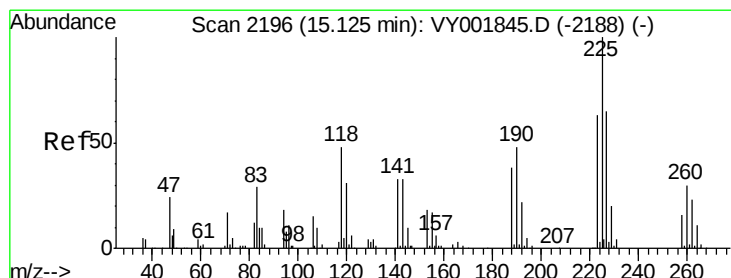
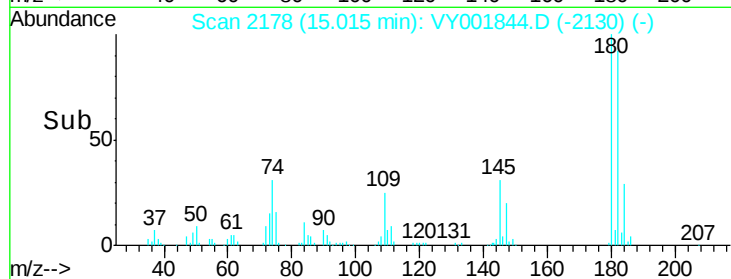
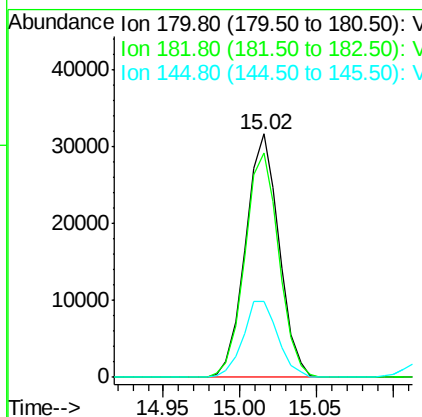
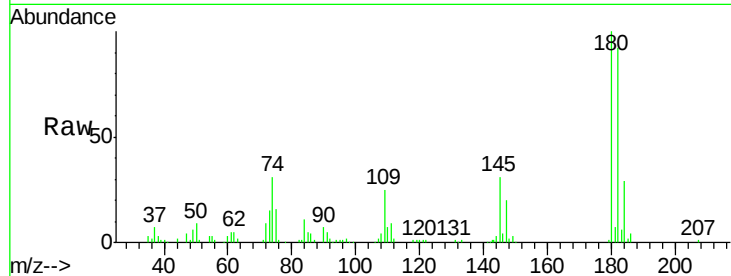
#93
 1,2,4-Trichlorobenzene
 Concen: 20.397 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.1	138.3
145	32.2	15.6	46.8

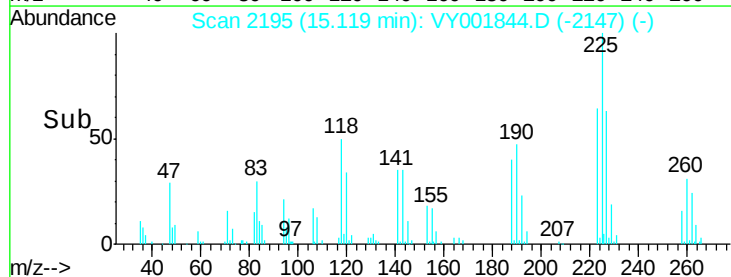
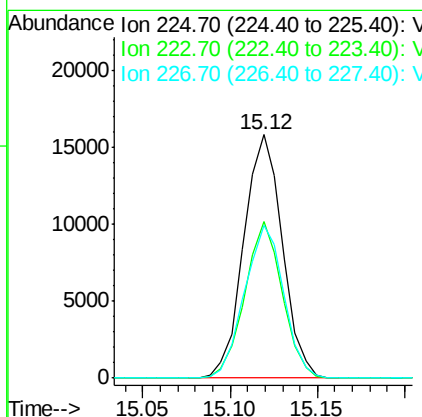
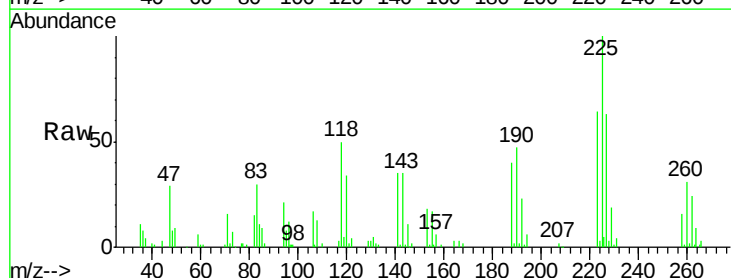
Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:08 PM



#94
 Hexachlorobutadiene
 Concen: 21.229 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001844.D
 Acq: 04 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	63.5	31.9	95.5





#95

Naphthalene

Concen: 18.866 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Instrument :

MSVOA_Y

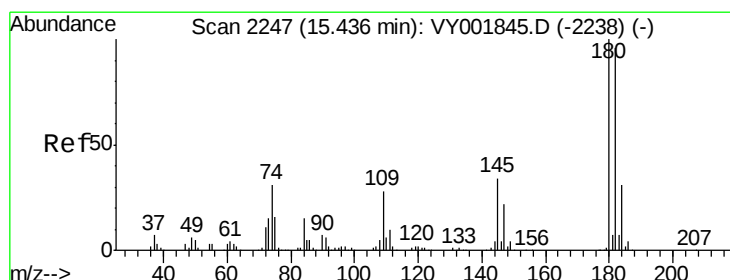
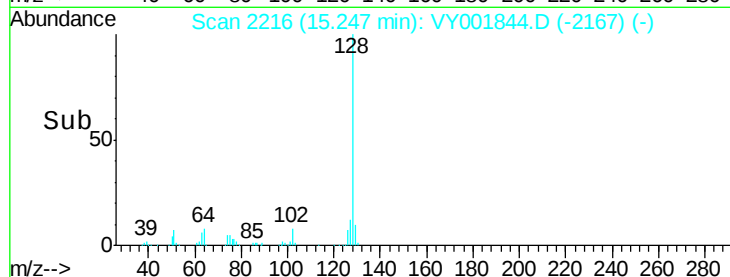
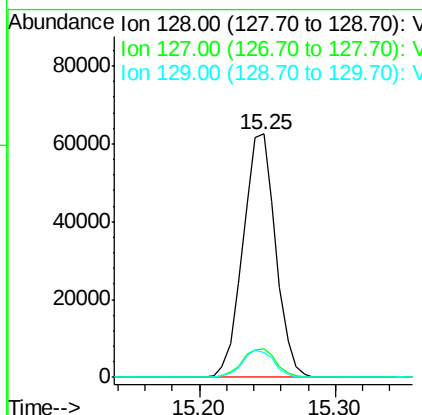
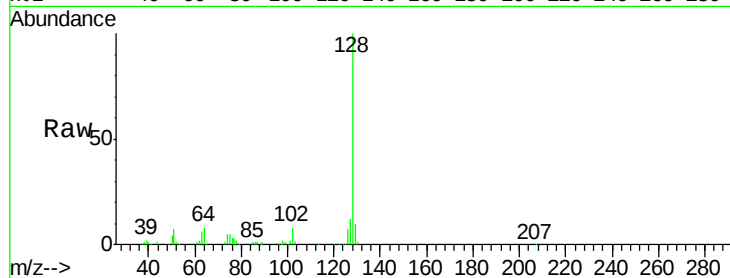
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	104864
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.244 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001844.D

Acq: 04 Mar 2020 11:11

Tgt Ion:	180	Resp:	42264
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.9
145	33.2	16.8	50.3

