

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002456.D
 Acq On : 23 Apr 2020 12:04
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:28 PM

Quant Time: Apr 23 13:01:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	280981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	416579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	381402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	198477	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	49533	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	
35) Dibromofluoromethane	7.75	113	46069	19.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.08%	
50) Toluene-d8	10.19	98	190743	20.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.16%	
62) 4-Bromofluorobenzene	12.49	95	61288	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	42445	20.426	ug/l	99
3) Chloromethane	2.13	50	54887	20.673	ug/l	98
4) Vinyl Chloride	2.27	62	40692	21.942	ug/l	96
5) Bromomethane	2.66	94	16955	16.932	ug/l	89
6) Chloroethane	2.82	64	14443	14.831	ug/l	93
7) Trichlorofluoromethane	3.15	101	58221	17.309	ug/l	100
8) Diethyl Ether	3.56	74	21981	15.976	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37637	16.196	ug/l	97
10) Methyl Iodide	4.12	142	70024	19.446	ug/l	98
11) Tert butyl alcohol	5.00	59	23304	101.834	ug/l	99
12) 1,1-Dichloroethene	3.91	96	38523	16.202	ug/l	97
13) Acrolein	3.75	56	13866	78.709	ug/l	97
14) Allyl chloride	4.51	41	69130	19.541	ug/l	98
15) Acrylonitrile	5.21	53	68474	103.076	ug/l	100
16) Acetone	3.99	43	42228	85.455	ug/l	98
17) Carbon Disulfide	4.22	76	143116	19.107	ug/l	99
18) Methyl Acetate	4.51	43	32783	19.937	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	129852	20.190	ug/l	98
20) Methylene Chloride	4.75	84	57272	18.969	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	53077	19.501	ug/l	95
22) Diisopropyl ether	6.15	45	140387	19.972	ug/l	98
23) Vinyl Acetate	6.10	43	453135	102.777	ug/l	97
24) 1,1-Dichloroethane	6.05	63	83349	19.557	ug/l	98
25) 2-Butanone	7.02	43	78867	102.133	ug/l	95
26) 2,2-Dichloropropane	7.02	77	79557	19.622	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	58202	19.670	ug/l	99
28) Bromochloromethane	7.36	49	33914	20.245	ug/l	96
29) Tetrahydrofuran	7.38	42	53922	104.857	ug/l	98
30) Chloroform	7.53	83	88669	19.581	ug/l	95
31) Cyclohexane	7.82	56	80873	18.735	ug/l #	96
32) 1,1,1-Trichloroethane	7.73	97	83752	19.700	ug/l	100
36) 1,1-Dichloropropene	7.94	75	69521	19.445	ug/l	99
37) Ethyl Acetate	7.11	43	36377	20.631	ug/l	99
38) Carbon Tetrachloride	7.92	117	80586	19.718	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	90257	19.429	ug/l	99
40) Benzene	8.19	78	202598	19.637	ug/l	99
41) Methacrylonitrile	7.36	41	21963m	10.346	ug/l	
42) 1,2-Dichloroethane	8.26	62	59143	19.805	ug/l	100
43) Isopropyl Acetate	8.30	43	66749	20.288	ug/l	99
44) Trichloroethene	8.96	130	62519	19.331	ug/l	100
45) 1,2-Dichloropropane	9.24	63	47491	19.947	ug/l	98
46) Dibromomethane	9.33	93	27863	20.168	ug/l	100
47) Bromodichloromethane	9.52	83	68171	19.686	ug/l	99
48) Methyl methacrylate	9.31	41	30137	20.105	ug/l	97
49) 1,4-Dioxane	9.31	88	6968	400.901	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	174707	102.466	ug/l	99
52) Toluene	10.26	92	129198	19.530	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	72059	20.007	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	82527	19.862	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	40571	19.829	ug/l	97
56) Ethyl methacrylate	10.52	69	56407	20.390	ug/l	99
57) 1,3-Dichloropropane	10.80	76	69210	20.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	137496	101.756	ug/l	100
59) 2-Hexanone	10.85	43	121686	103.153	ug/l	100
60) Dibromochloromethane	11.00	129	52932	19.853	ug/l	98
61) 1,2-Dibromoethane	11.10	107	40638	20.074	ug/l	98
64) Tetrachloroethene	10.74	164	69623	19.851	ug/l	99
65) Chlorobenzene	11.53	112	145169	19.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	54457	19.863	ug/l	99
67) Ethyl Benzene	11.61	91	255991	19.635	ug/l	99
68) m/p-Xylenes	11.71	106	196282	39.082	ug/l	99
69) o-Xylene	12.04	106	92542	19.674	ug/l	99
70) Styrene	12.06	104	161008	19.726	ug/l	99
71) Bromoform	12.22	173	34828	20.292	ug/l #	99
73) Isopropylbenzene	12.34	105	256029	19.901	ug/l	99
74) N-amyl acetate	12.16	43	61307	20.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39181	19.986	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	32127m	11.723	ug/l	
77) Bromobenzene	12.62	156	64578	20.002	ug/l	99
78) n-propylbenzene	12.68	91	294819	19.684	ug/l	99
79) 2-Chlorotoluene	12.77	91	159246	19.486	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	214233	19.553	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	17215	19.737	ug/l	98
82) 4-Chlorotoluene	12.86	91	168608	19.554	ug/l	99
83) tert-Butylbenzene	13.08	119	190975	19.800	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	217933	19.957	ug/l	100
85) sec-Butylbenzene	13.27	105	259485	19.703	ug/l	100
86) p-Isopropyltoluene	13.38	119	247566	19.860	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	121331	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	120525	19.745	ug/l	98
89) n-Butylbenzene	13.70	91	222855	19.544	ug/l	99
90) Hexachloroethane	13.97	117	43870	19.694	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	109036	19.762	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7872	20.253	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 12:46:18 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	82048	20.085	ug/l	99
94) Hexachlorobutadiene	15.12	225	49377	19.882	ug/l	98
95) Naphthalene	15.25	128	151082	20.349	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	69465	20.185	ug/l	99

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

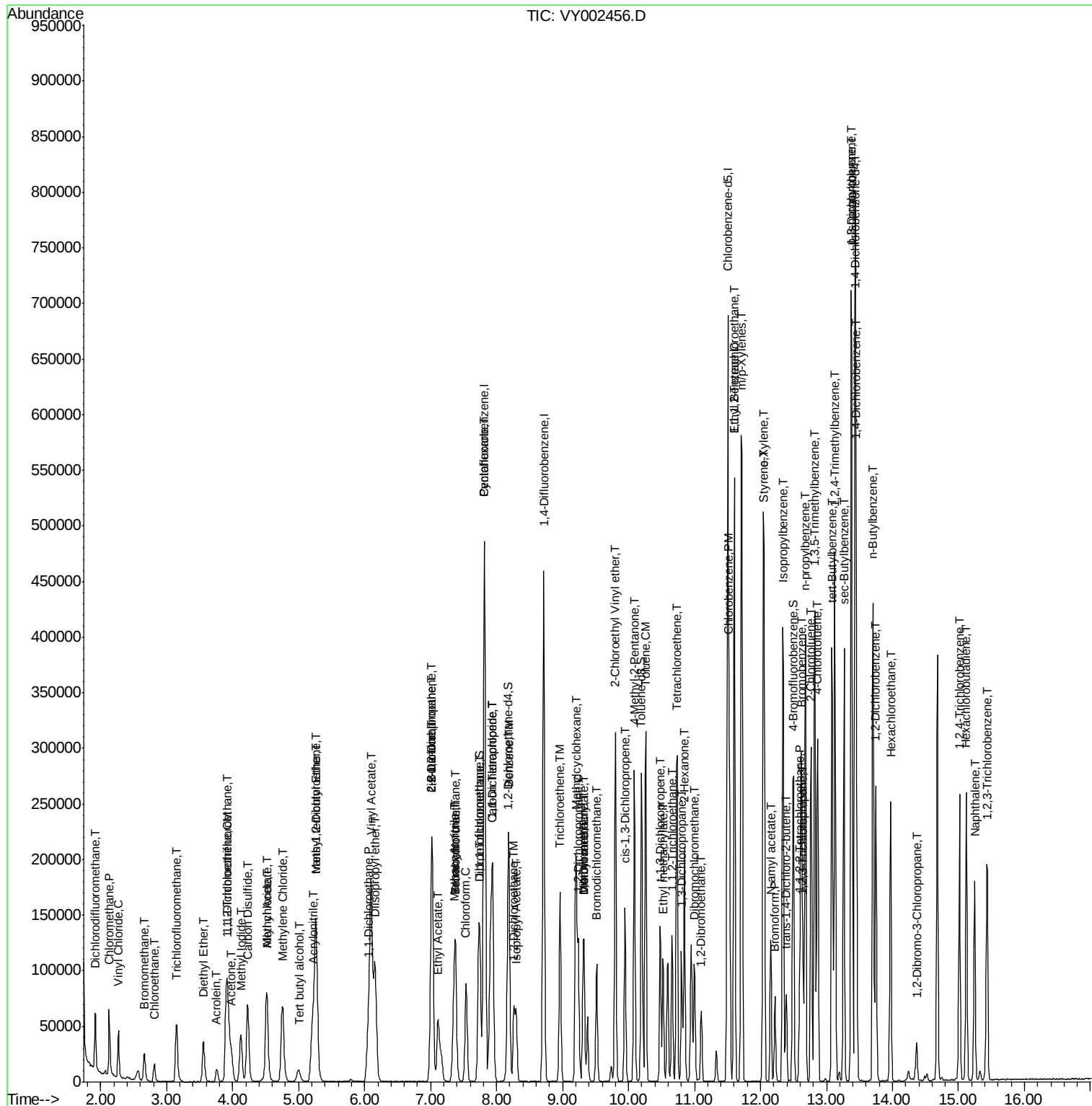
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002456.D
 Acq On : 23 Apr 2020 12:04
 Operator : SY/MD
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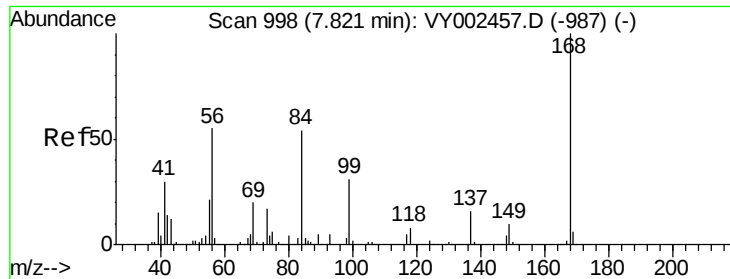
Instrument :
 MSVOA_Y
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#1

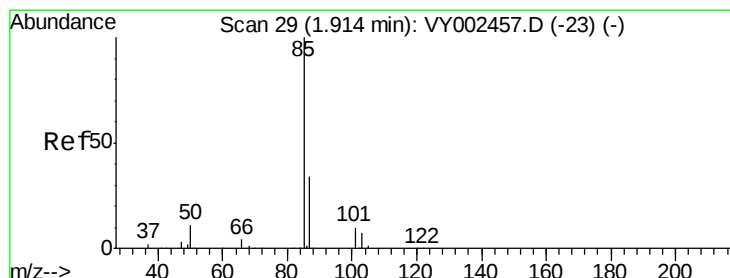
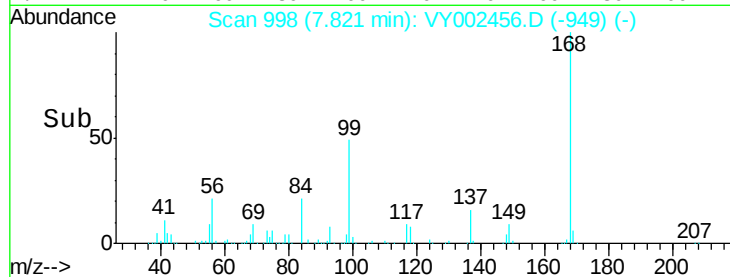
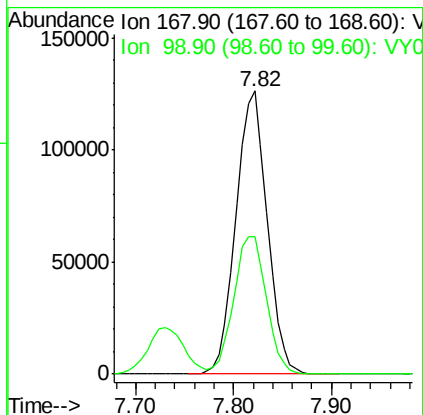
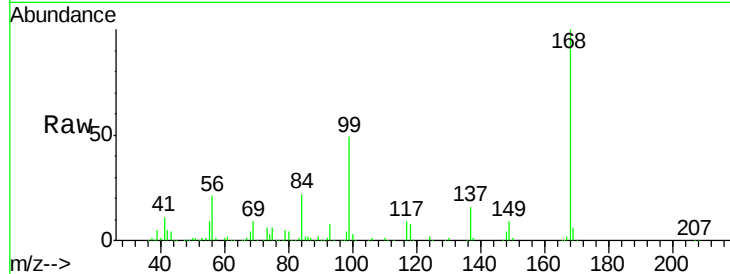
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.7	39.7	59.5

Manual Integrations
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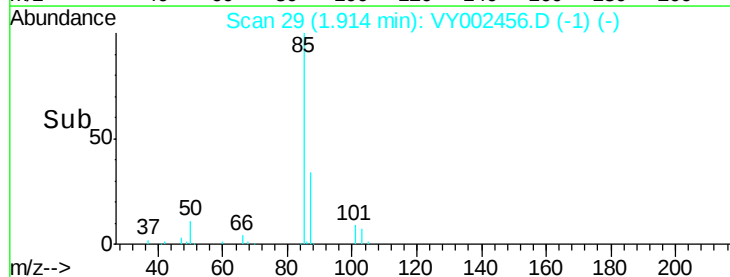
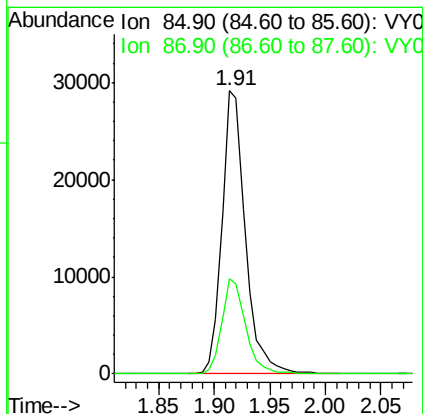
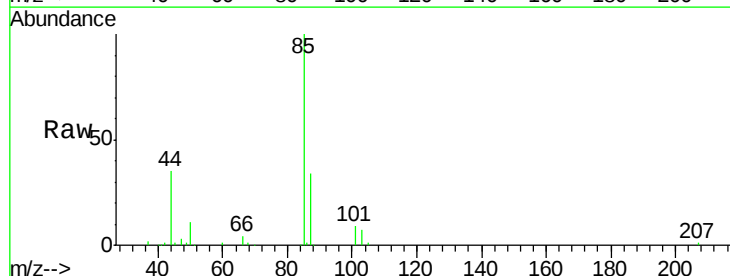
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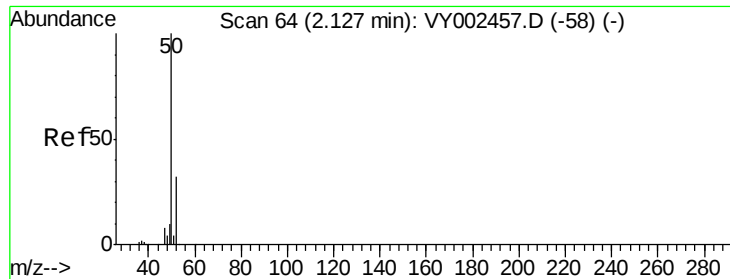


#2

Dichlorodifluoromethane
 Concen: 20.426 ug/l
 RT: 1.91 min Scan# 29
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.1	51.3





#3

Chloromethane

Concen: 20.673 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 54887

Ion Ratio Lower Upper

50 100

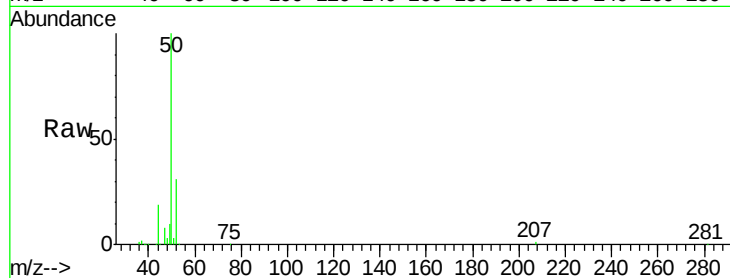
52 30.6 25.2 37.8

Manual Integrations

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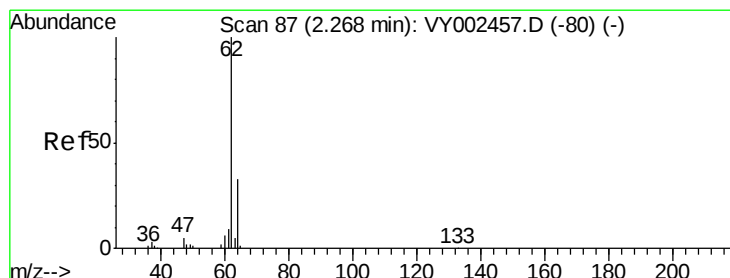
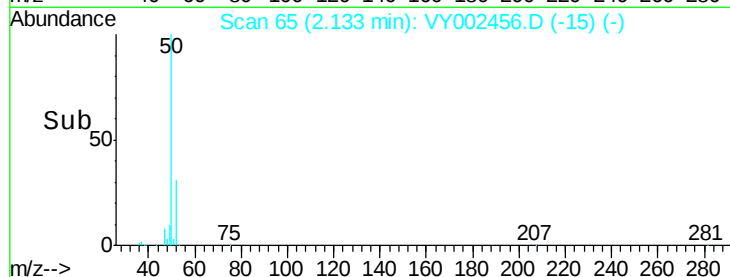
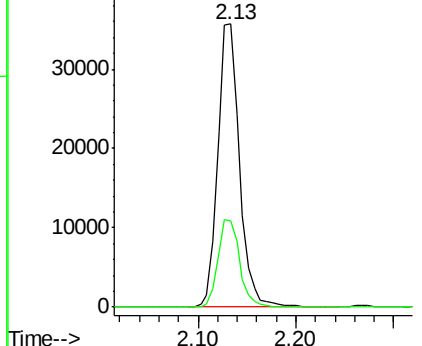
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.942 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002456.D

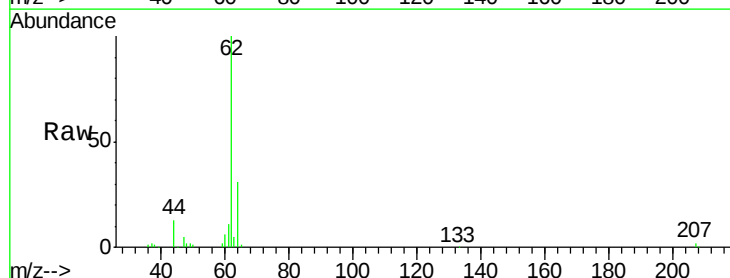
Acq: 23 Apr 2020 12:04

Tgt Ion: 62 Resp: 40692

Ion Ratio Lower Upper

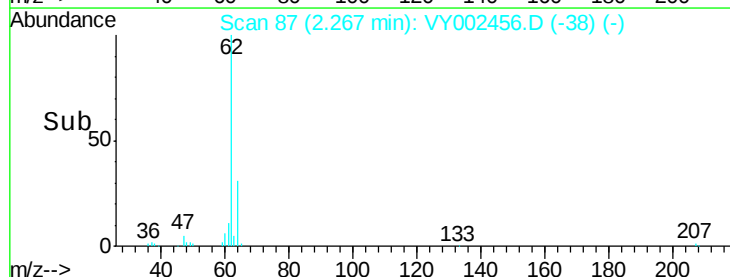
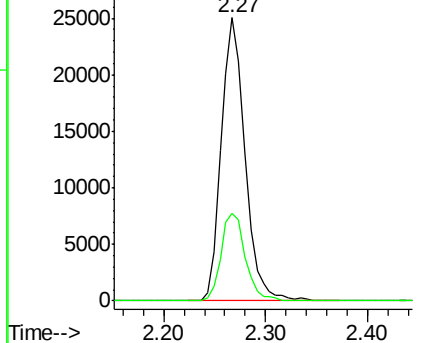
62 100

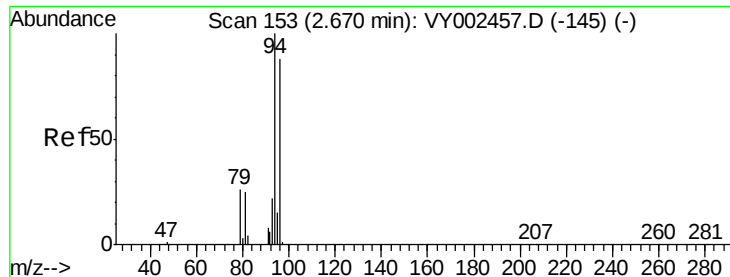
64 30.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 16.932 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY002456.D

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Tot Ion: 94 Resp: 16955

Ion Ratio Lower Upper

94 100

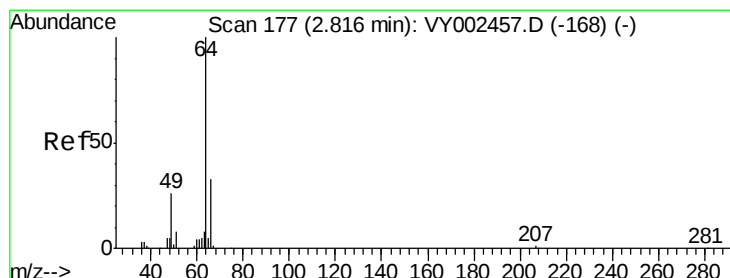
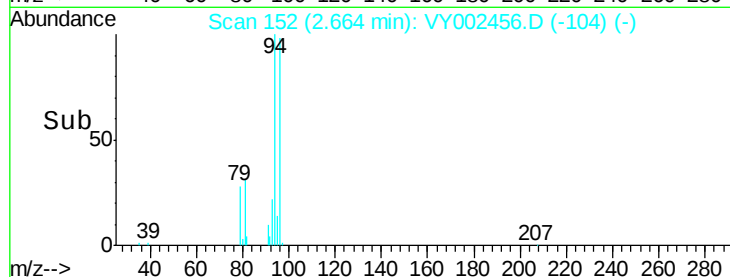
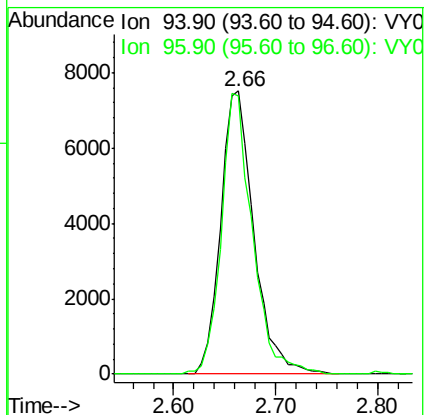
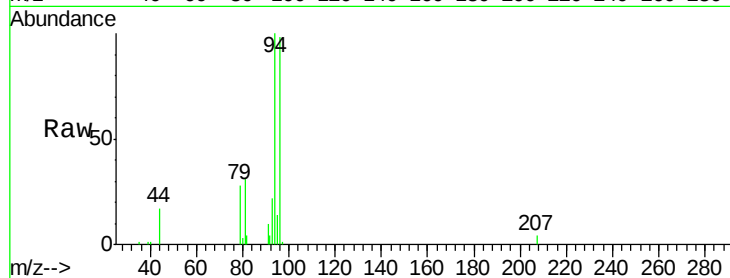
96 98.4 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 14.831 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY002456.D

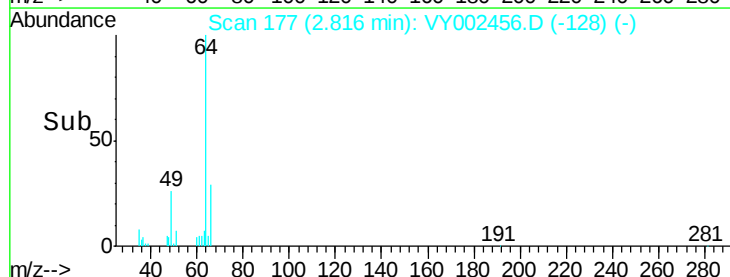
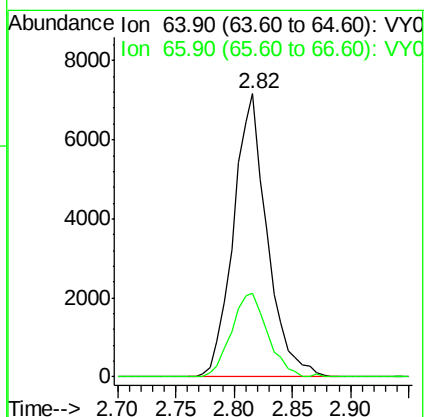
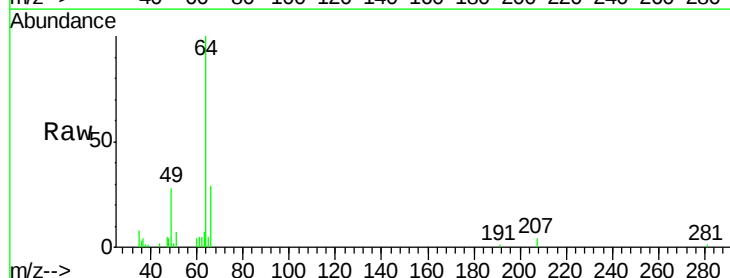
Acq: 23 Apr 2020 12:04

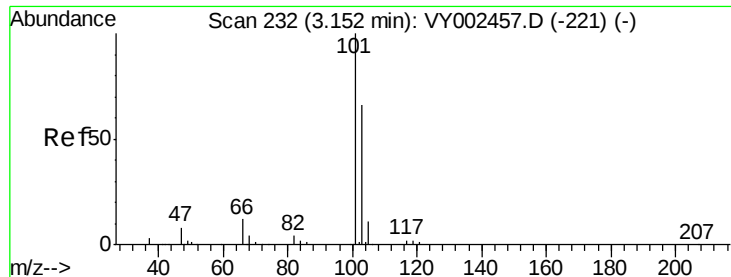
Tgt Ion: 64 Resp: 14443

Ion Ratio Lower Upper

64 100

66 29.4 26.6 40.0





#7

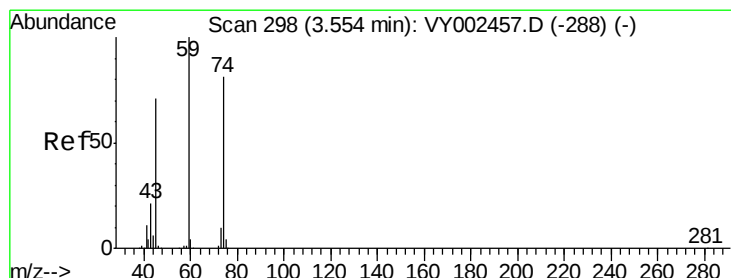
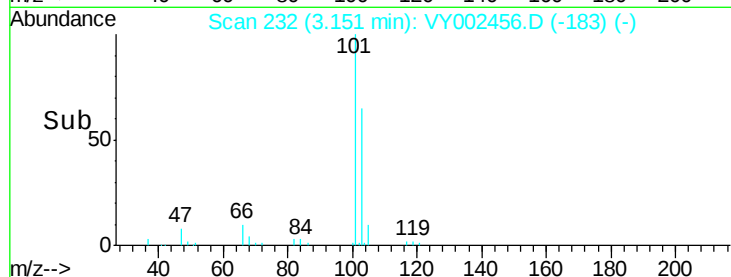
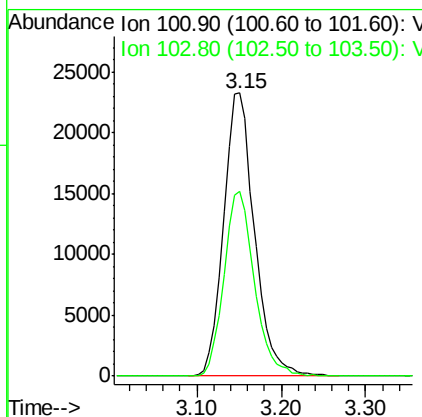
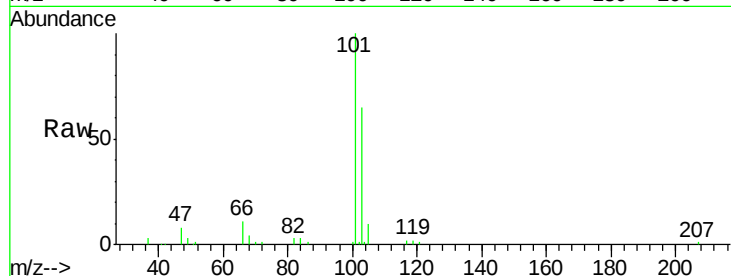
Trichlorofluoromethane
Concen: 17.309 ug/l
RT: 3.15 min Scan# 232
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.5	78.7

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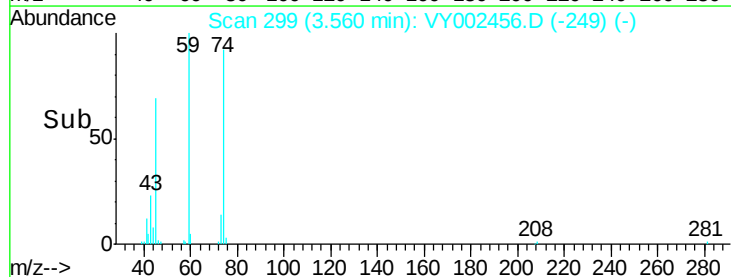
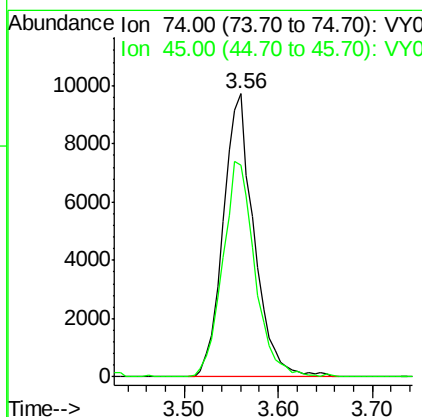
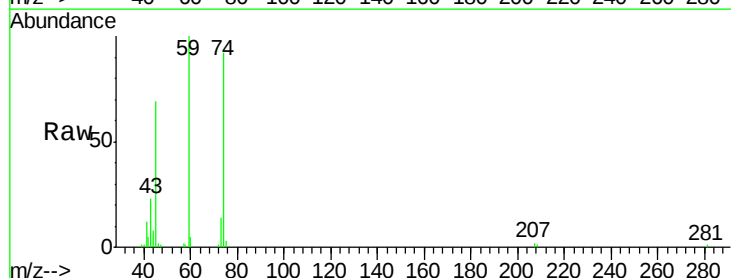
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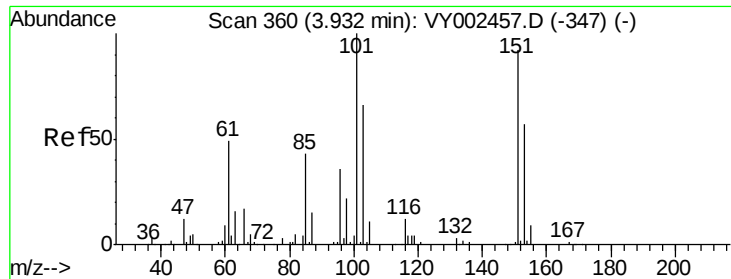


#8

Diethyl Ether
Concen: 15.976 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.5	44.0	132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.196 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

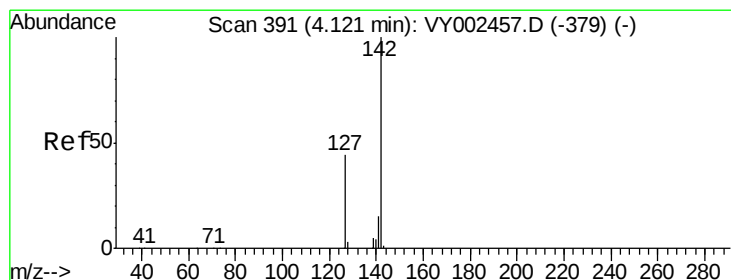
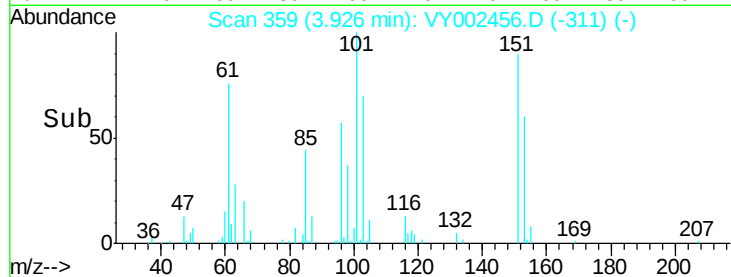
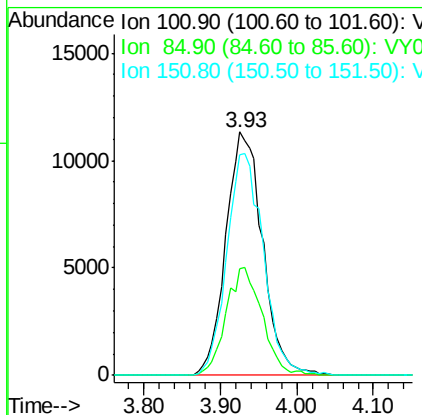
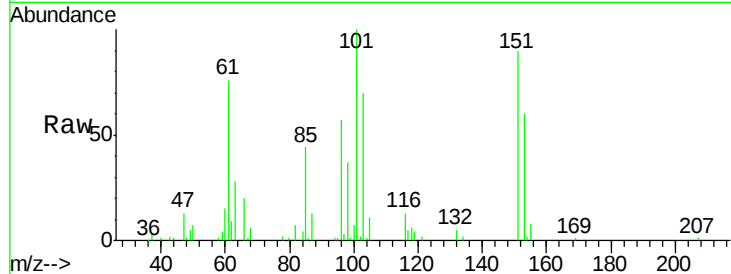
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	37637
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.1	51.1
151	90.9	70.3	105.5

Manual Integrations
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MMDadoda
4/24/2020 1:33:28 PM



#10

Methyl Iodide

Concen: 19.446 ug/l

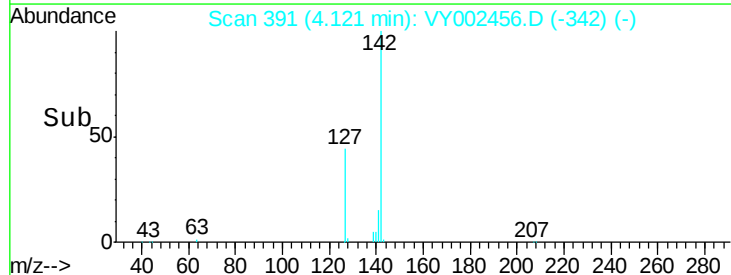
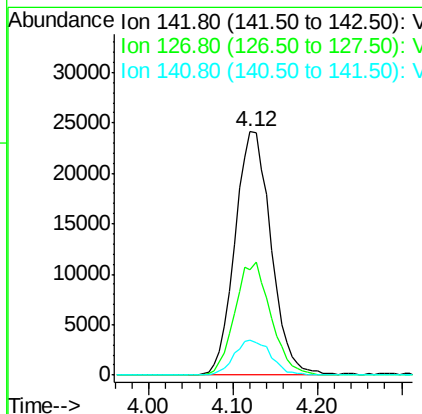
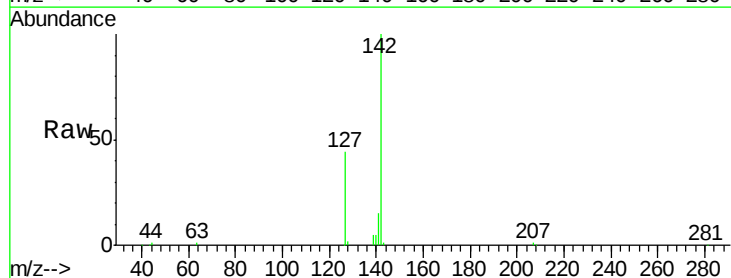
RT: 4.12 min Scan# 391

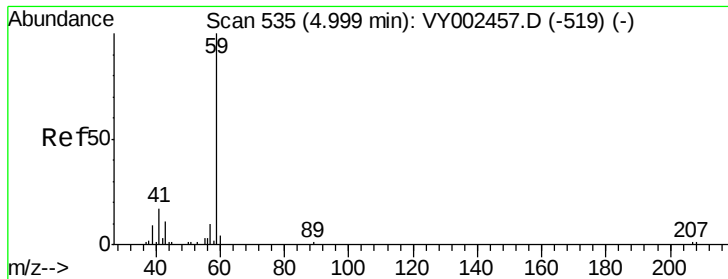
Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	142	Resp:	70024
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.8	53.8
141	14.6	11.6	17.4





#11

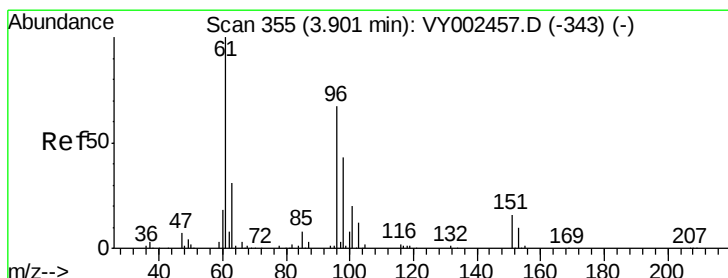
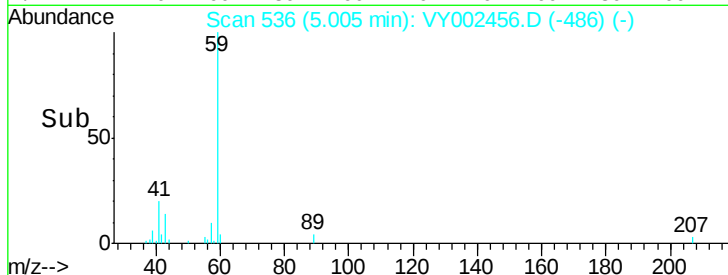
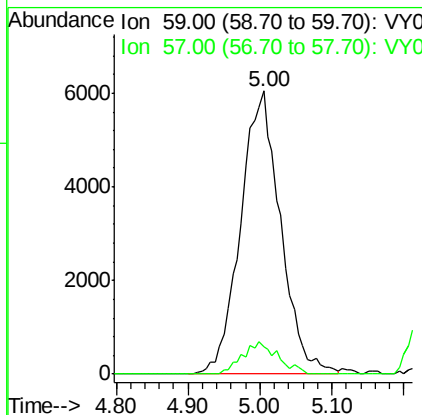
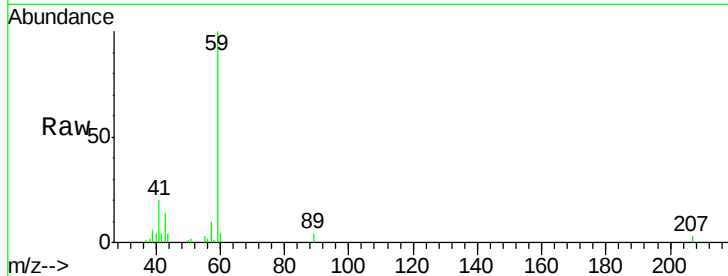
Tert butyl alcohol
Concen: 101.834 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	23304
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
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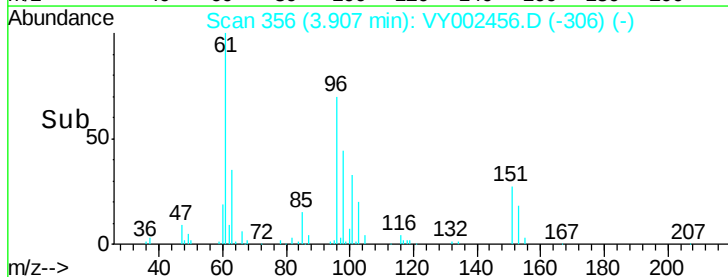
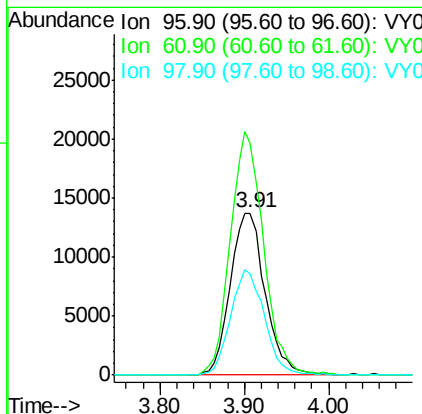
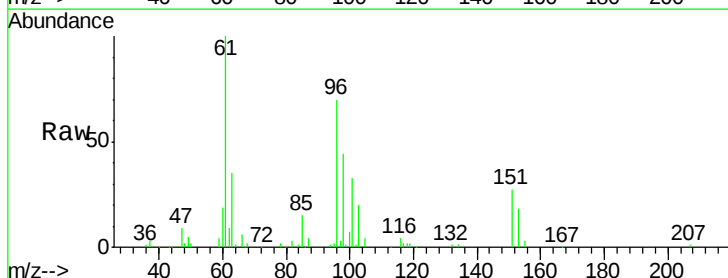
MMDadoda
4/24/2020 1:33:28 PM

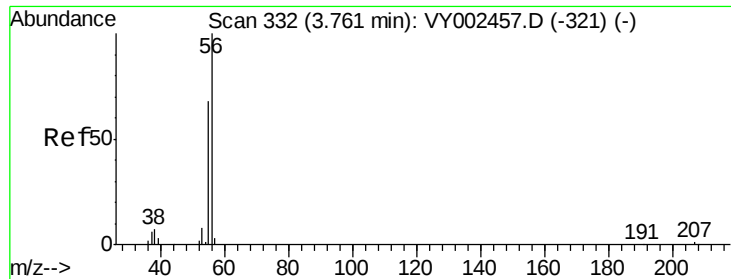


#12

1,1-Dichloroethene
Concen: 16.202 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	96	Resp	38523
Ion Ratio	100	Lower	Upper
61	143.7	119.0	178.6
98	63.0	51.4	77.2





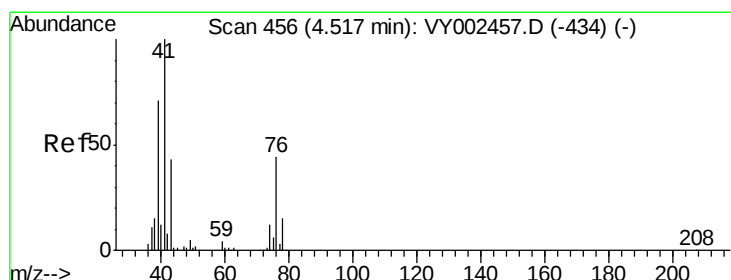
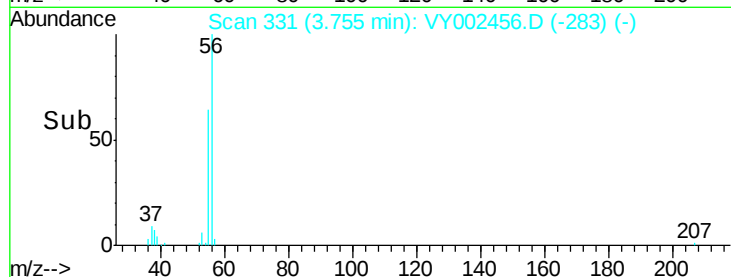
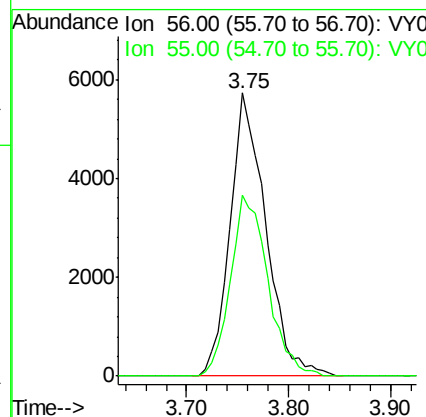
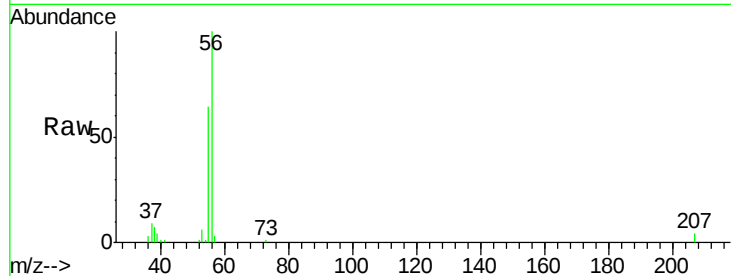
#13
Acrolein
Concen: 78.709 ug/l
RT: 3.75 min Scan# 331
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		13866		
55	67.1			55.8	83.6

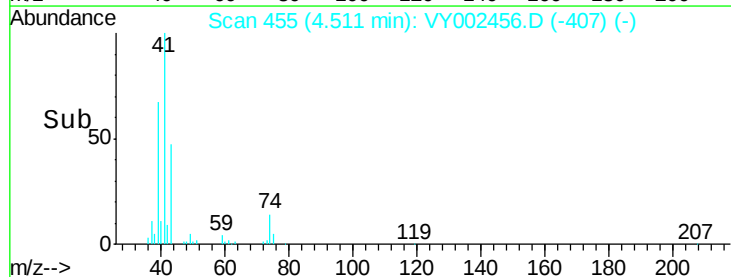
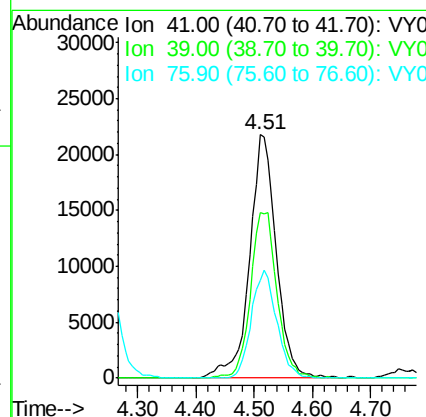
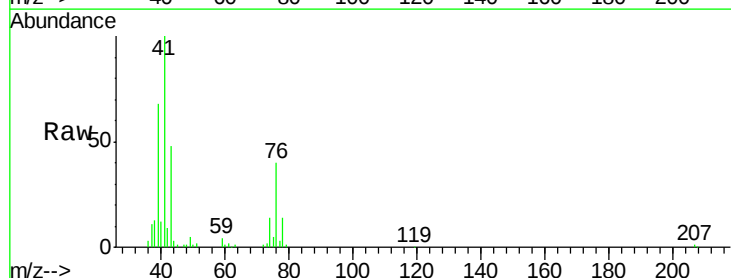
Manual Integrations
APPROVED

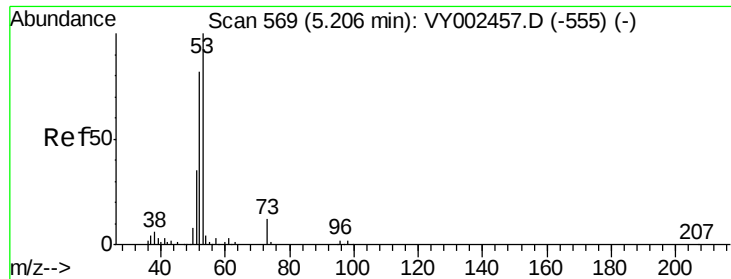
MMDadoda
4/24/2020 1:33:28 PM



#14
Allyl chloride
Concen: 19.541 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69130		
39	67.6			55.1	82.7
76	42.1			34.3	51.5





#15

Acrylonitrile

Concen: 103.076 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

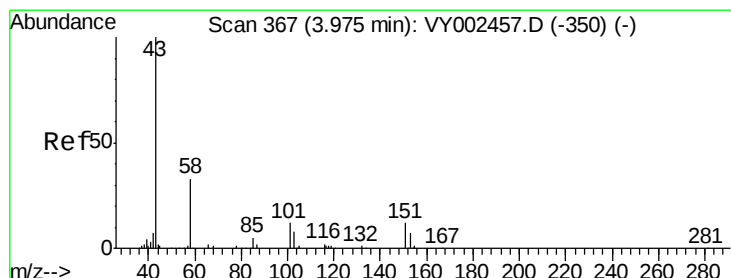
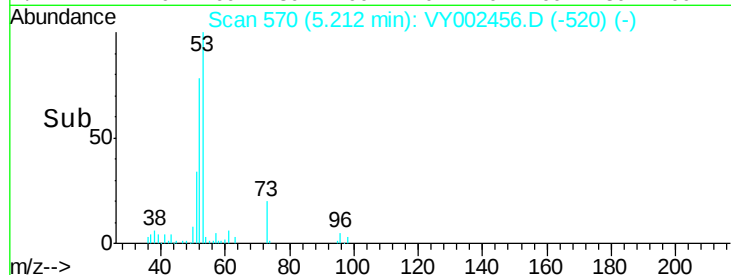
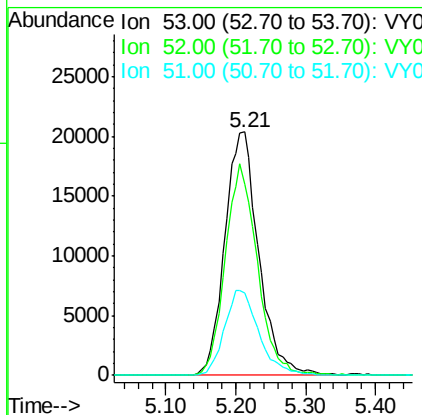
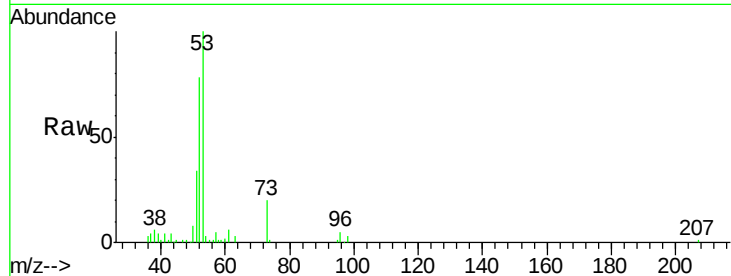
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	68474
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	35.6	28.3	42.5

Manual Integrations
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MMDadoda
4/24/2020 1:33:28 PM



#16

Acetone

Concen: 85.455 ug/l

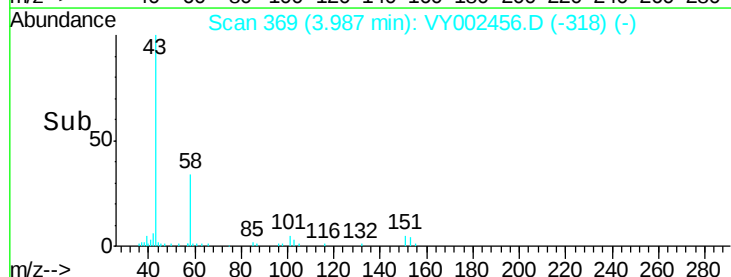
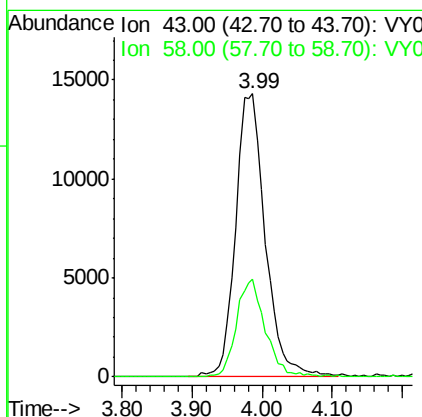
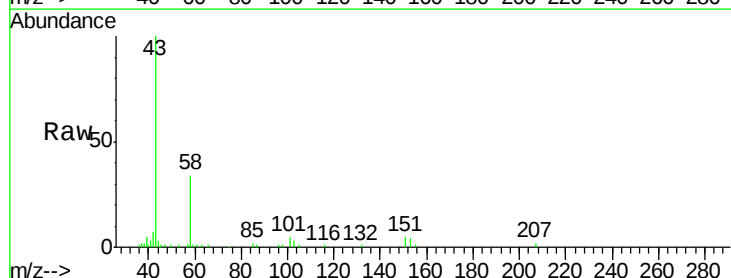
RT: 3.99 min Scan# 369

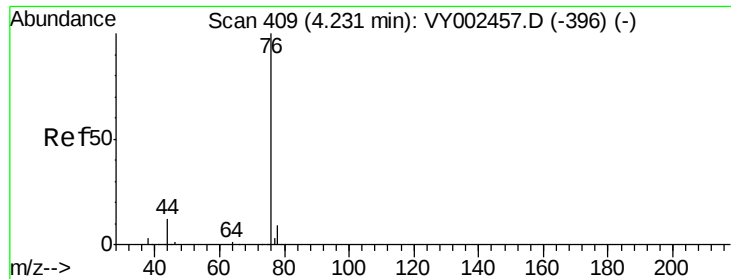
Delta R.T. 0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	43	Resp:	42228
Ion	Ratio	Lower	Upper
43	100		
58	34.3	26.4	39.6





#17

Carbon Disulfide

Concen: 19.107 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 143116

Ion Ratio Lower Upper

76 100

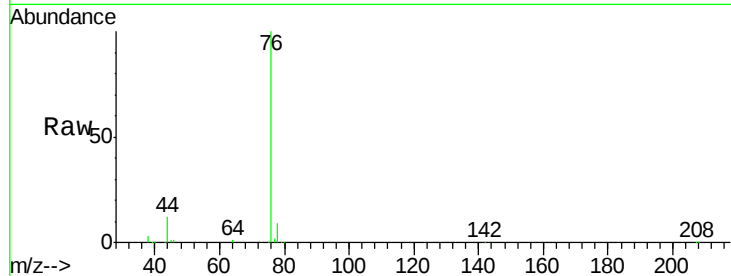
78 9.3 7.3 10.9

Manual Integrations

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4/24/2020 1:33:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

60000

50000

40000

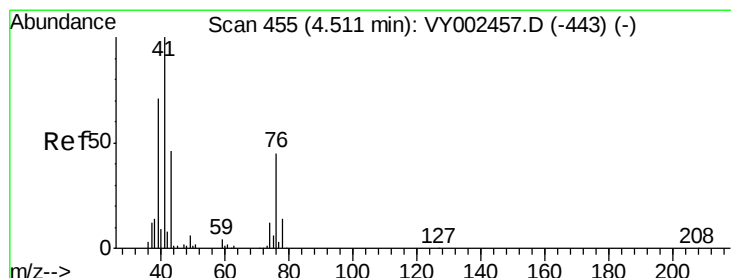
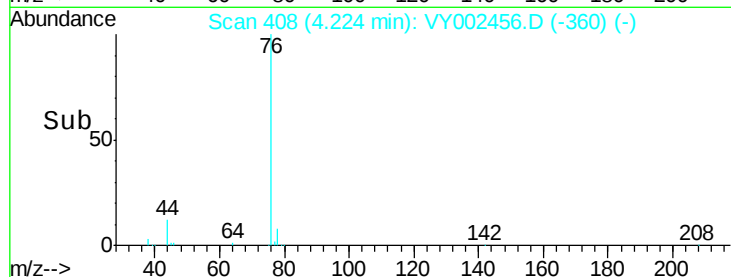
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.937 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY002456.D

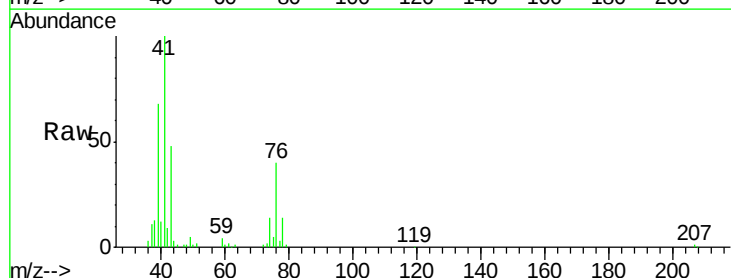
Acq: 23 Apr 2020 12:04

Tgt Ion: 43 Resp: 32783

Ion Ratio Lower Upper

43 100

74 27.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

12000

10000

8000

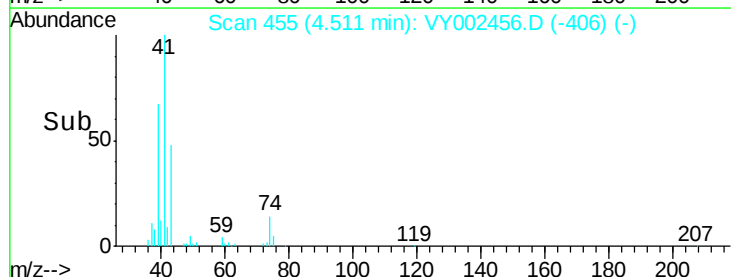
6000

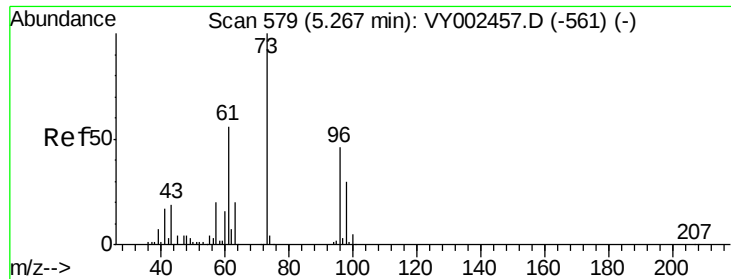
4000

2000

0

Time-->





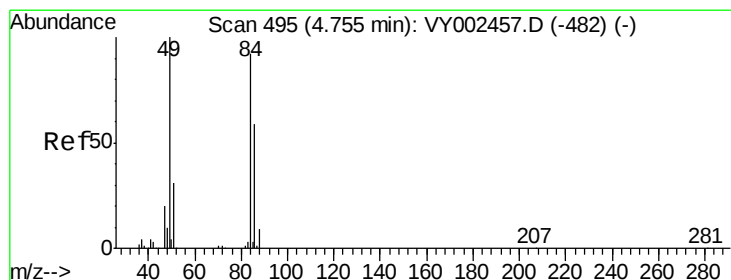
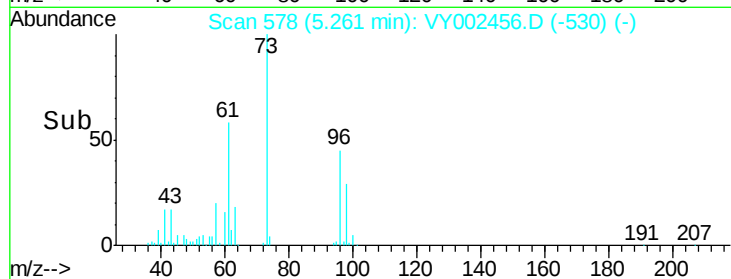
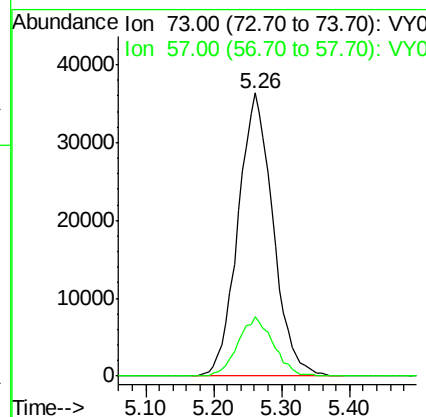
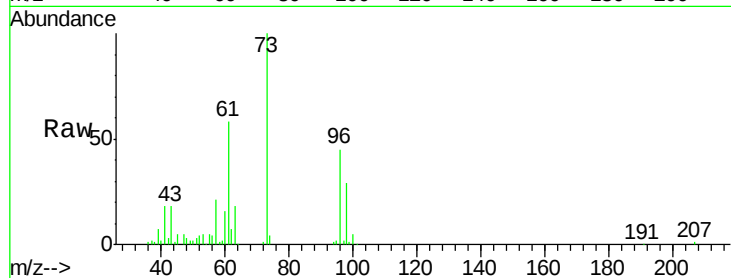
#19
Methvl tert-butvl Ether
Concen: 20.190 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 129852
Ion Ratio Lower Upper
73 100
57 20.9 16.0 24.0

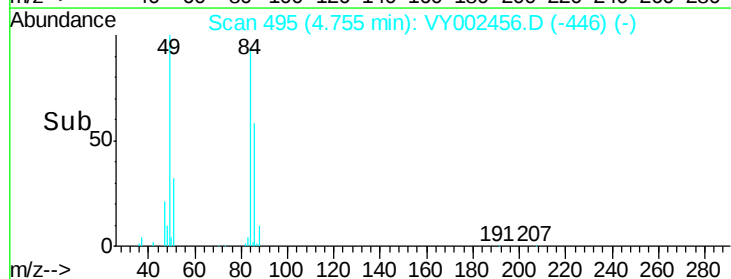
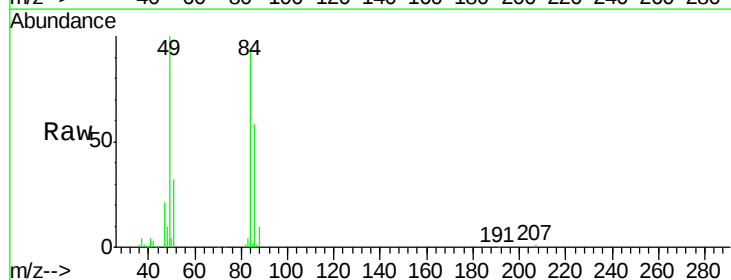
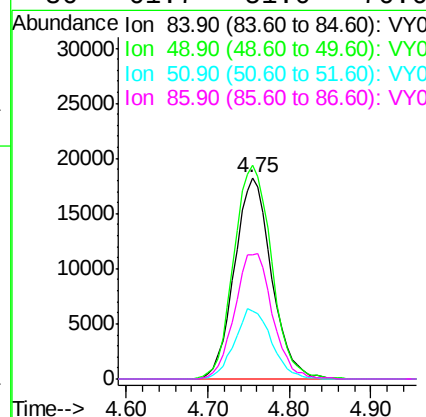
Manual Integrations
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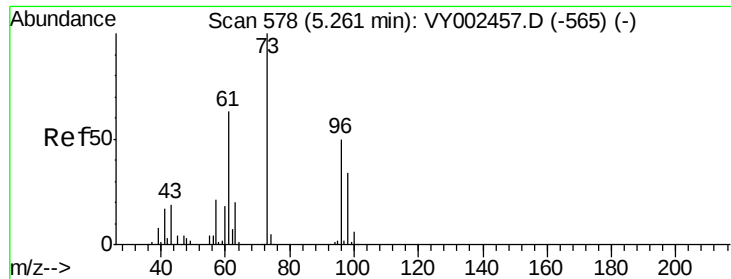
MMDadoda
4/24/2020 1:33:28 PM



#20
Methylene Chloride
Concen: 18.969 ug/l
RT: 4.75 min Scan# 495
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion: 84 Resp: 57272
Ion Ratio Lower Upper
84 100
49 106.2 86.9 130.3
51 33.6 27.3 40.9
86 61.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.501 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

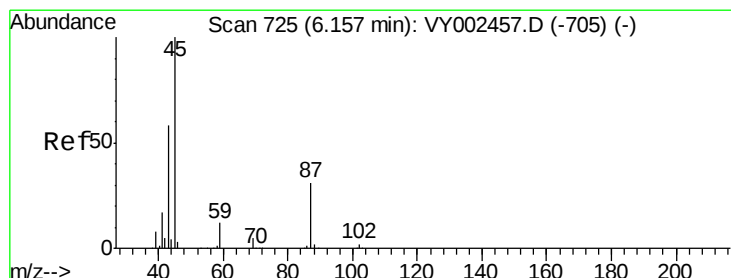
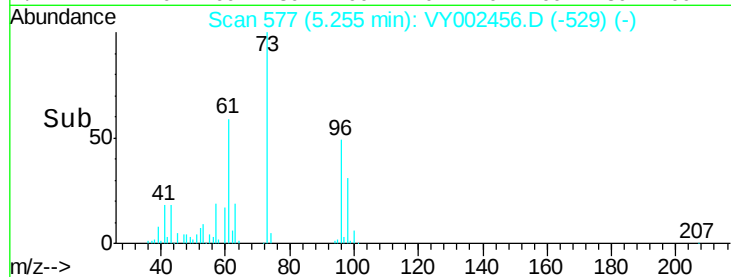
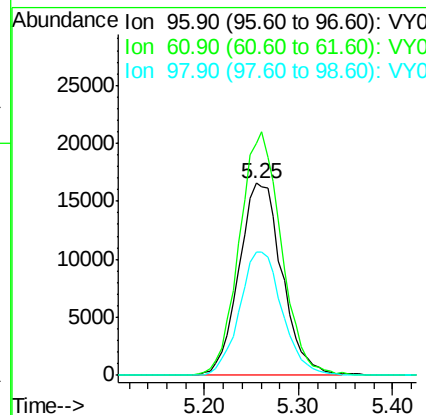
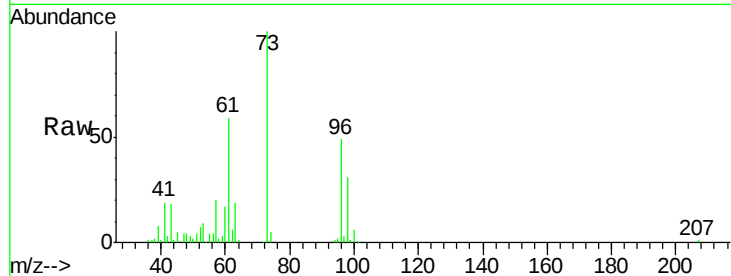
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	53077
Ion	Ratio	Lower	Upper
96	100		
61	120.9	101.4	152.0
98	64.1	53.6	80.4

Manual Integrations
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MMDadoda
4/24/2020 1:33:28 PM



#22

Diisopropyl ether

Concen: 19.972 ug/l

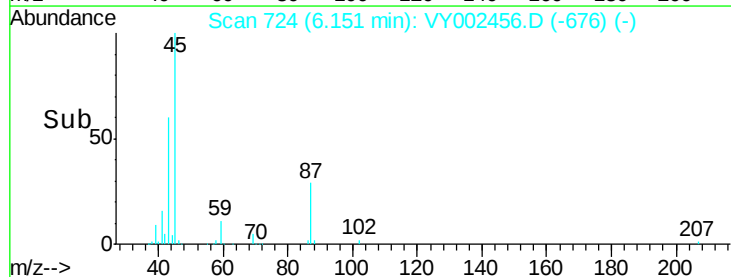
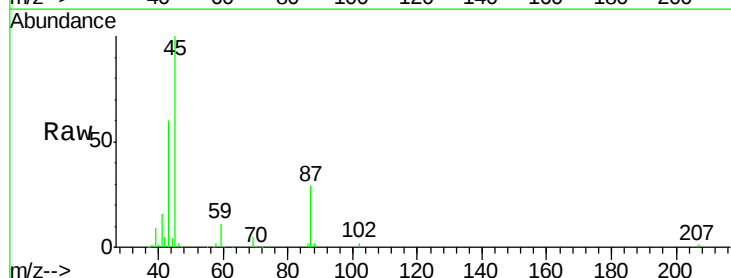
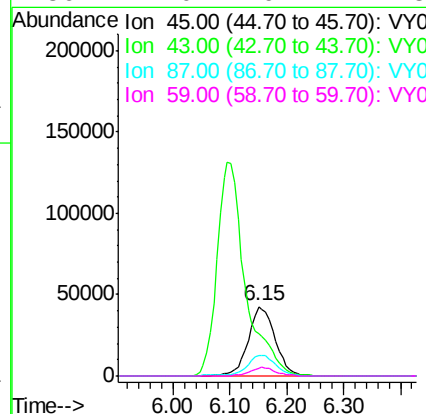
RT: 6.15 min Scan# 724

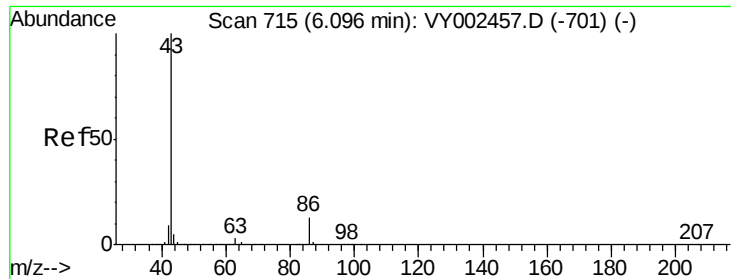
Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	45	Resp:	140387
Ion	Ratio	Lower	Upper
45	100		
43	60.0	47.1	70.7
87	29.1	25.0	37.6
59	11.0	9.7	14.5





#23

Vinyl Acetate

Concen: 102.777 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 453135

Ion Ratio Lower Upper

43 100

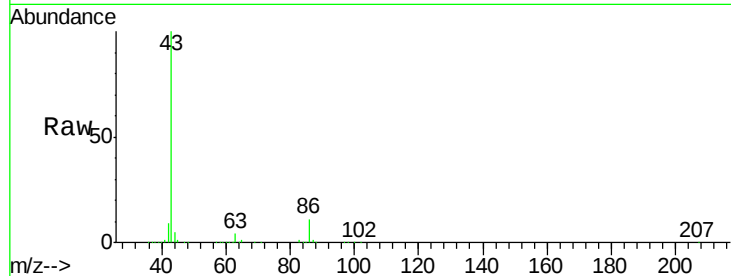
86 11.5 10.2 15.4

Manual Integrations

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MMDadoda

4/24/2020 1:33:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

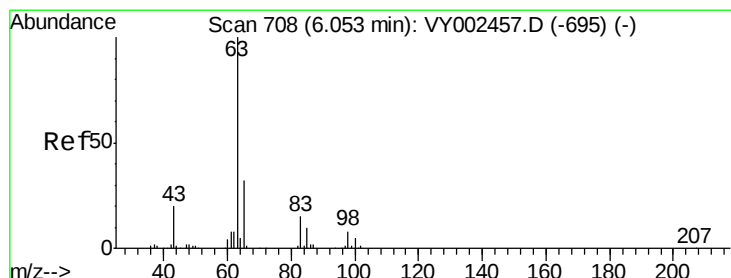
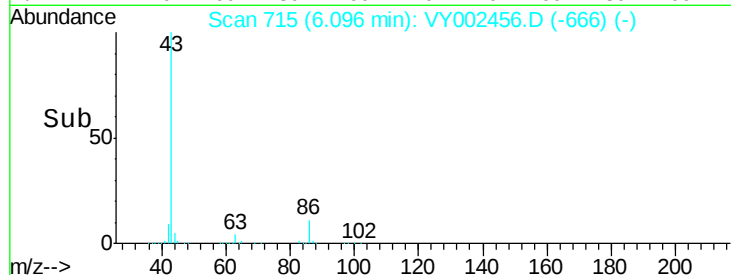
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.557 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

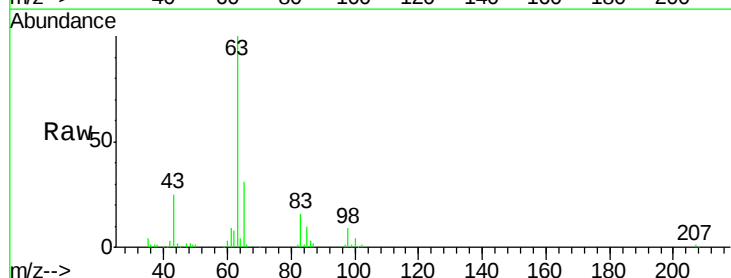
Tgt Ion: 63 Resp: 83349

Ion Ratio Lower Upper

63 100

98 9.0 4.1 12.3

100 4.4 2.5 7.4



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

6.05

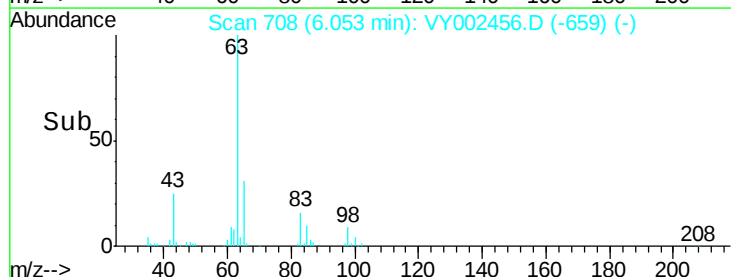
30000

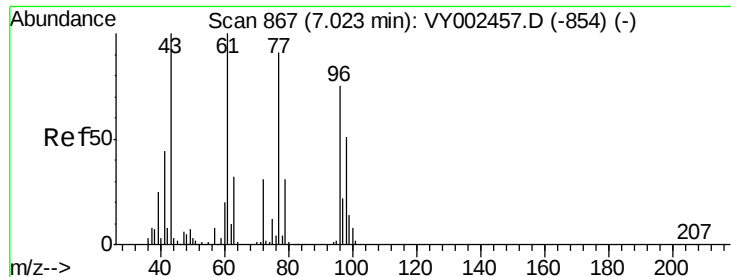
20000

10000

0

Time-->





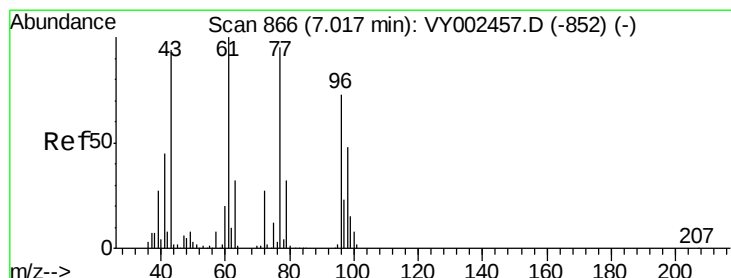
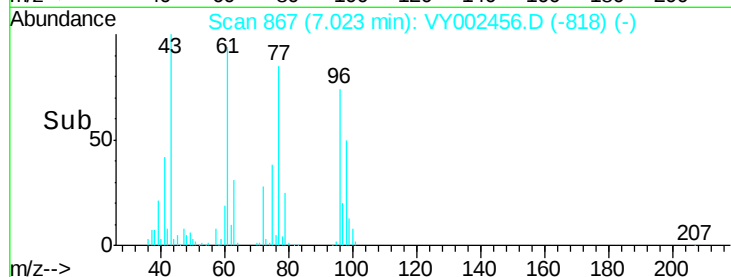
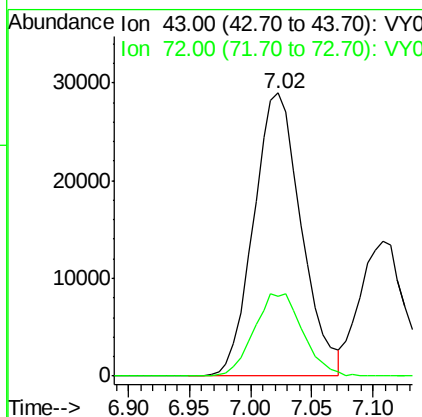
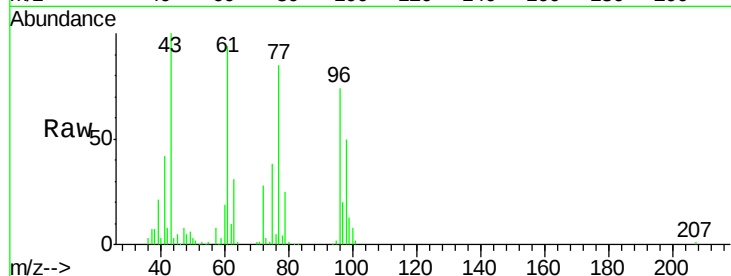
#25
2-Butanone
Concen: 102.133 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 78867
Ion Ratio Lower Upper
43 100
72 28.3 24.8 37.2

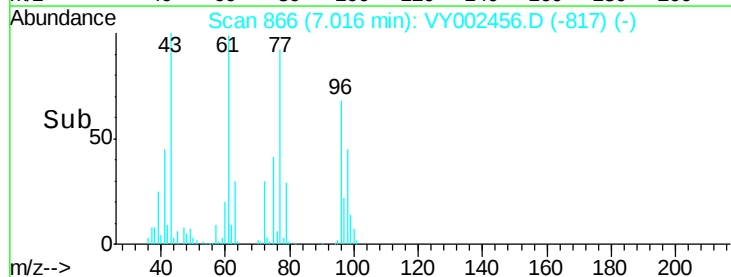
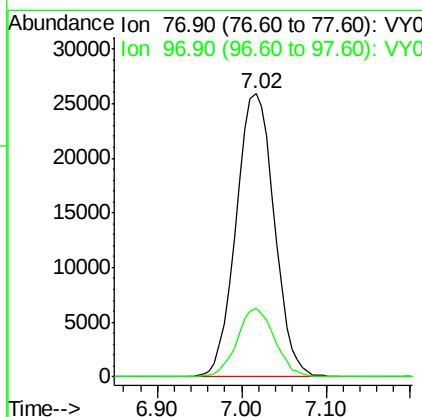
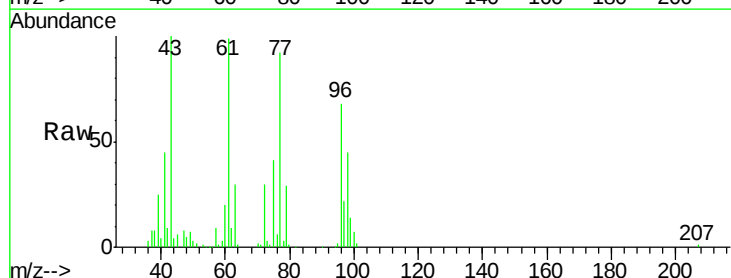
Manual Integrations
APPROVED

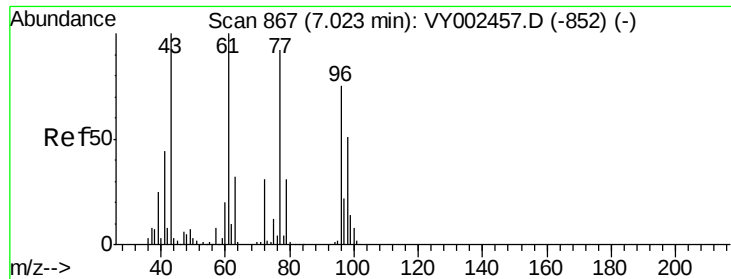
MMDadoda
4/24/2020 1:33:28 PM



#26
2,2-Dichloropropane
Concen: 19.622 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion: 77 Resp: 79557
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.0





#27

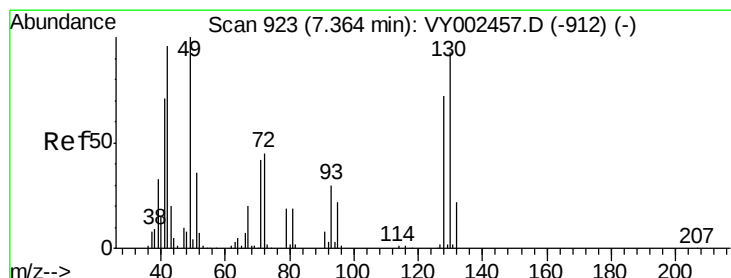
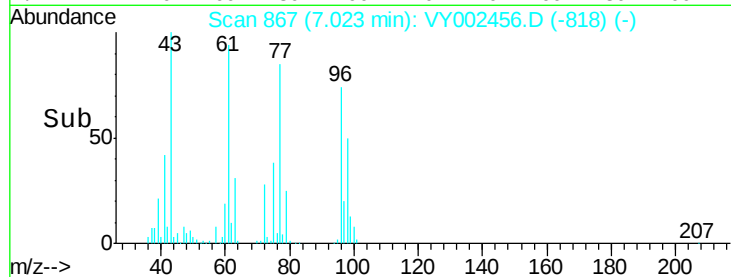
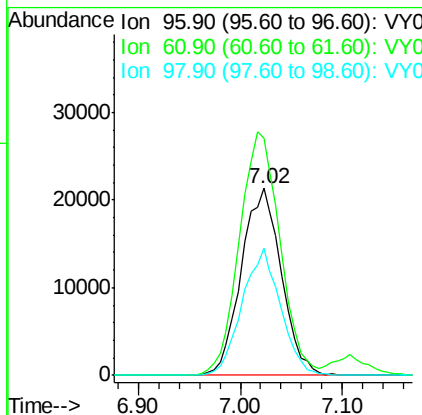
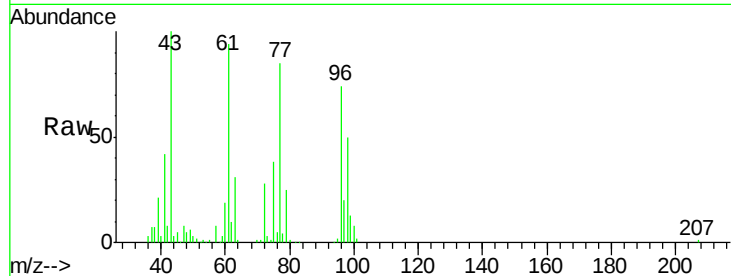
cis-1,2-Dichloroethene
Concen: 19.670 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	262.6
98	64.9	0.0	131.0

Manual Integrations
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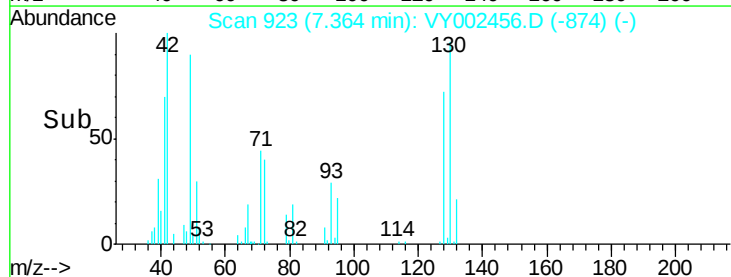
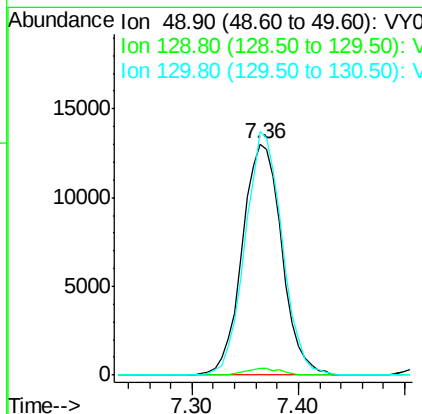
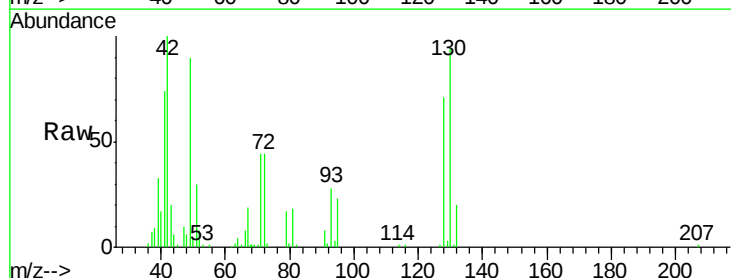
MMDadoda
4/24/2020 1:33:28 PM

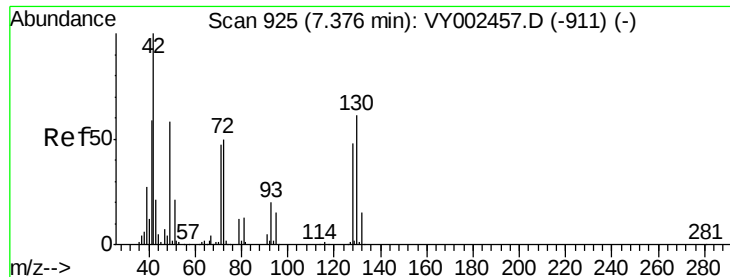


#28

Bromochloromethane
Concen: 20.245 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	99.1	76.3	114.5





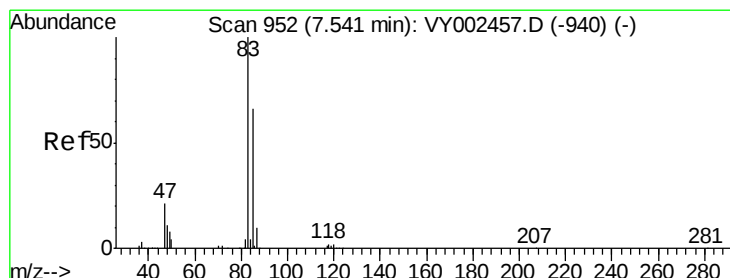
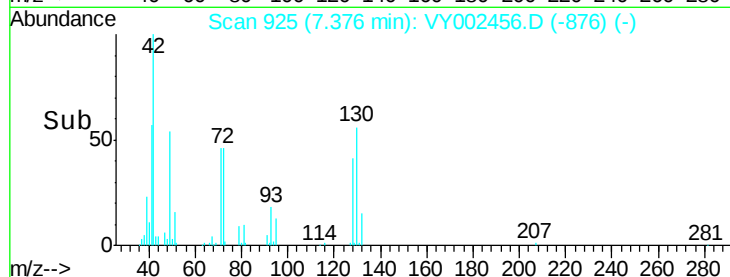
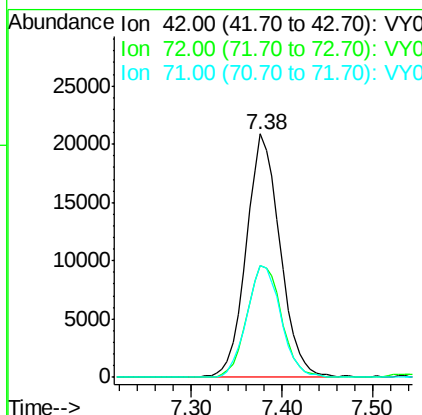
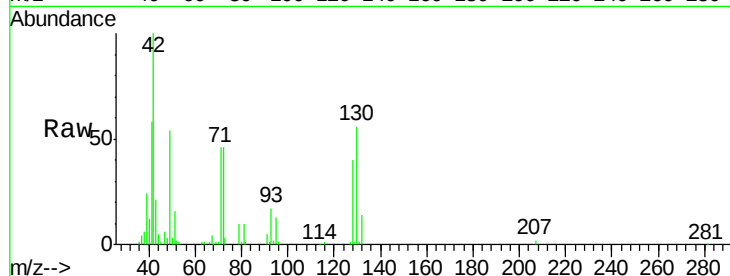
#29
Tetrahydrofuran
Concen: 104.857 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	53922
Ion Ratio	Lower	Upper	
42	100		
72	47.3	39.5	59.3
71	46.3	37.6	56.4

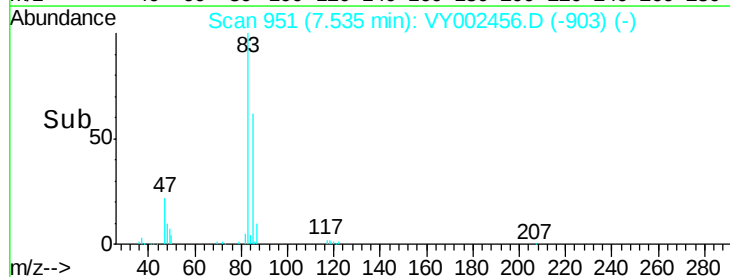
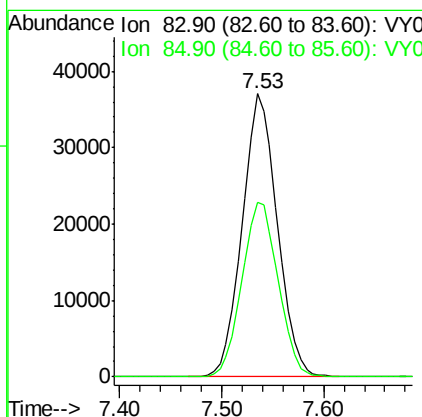
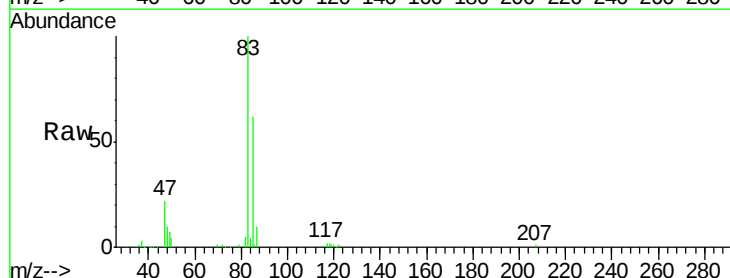
Manual Integrations
APPROVED

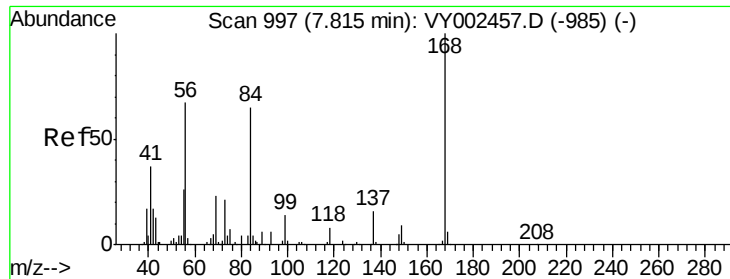
MMDadoda
4/24/2020 1:33:28 PM



#30
Chloroform
Concen: 19.581 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion:	83	Resp:	88669
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.4	78.6





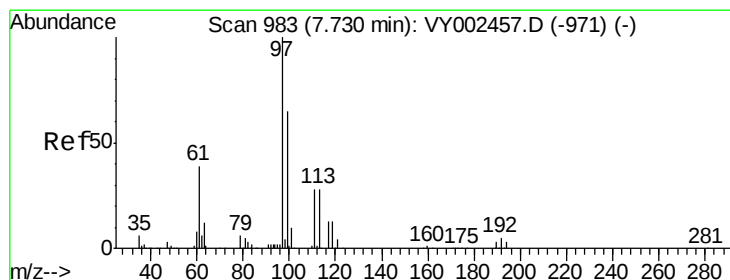
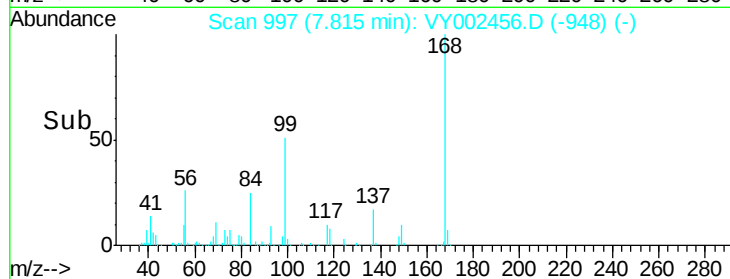
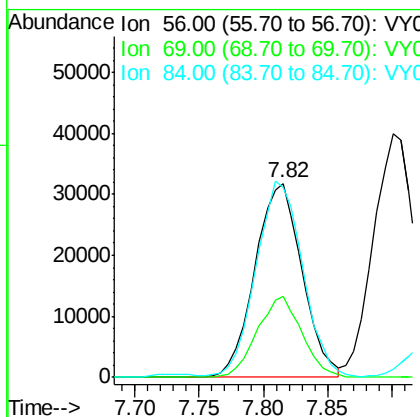
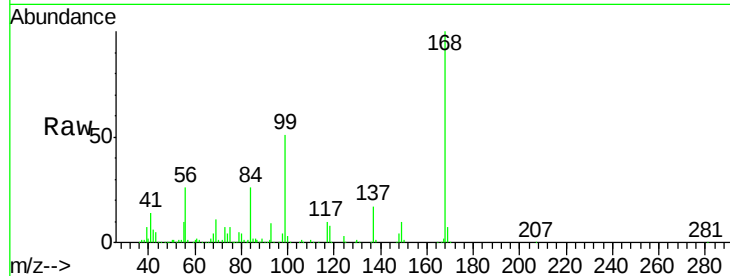
#31
Cyclohexane
Concen: 18.735 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 80873
Ion Ratio Lower Upper
56 100
69 41.8 27.0 40.6#
84 96.7 77.4 116.2

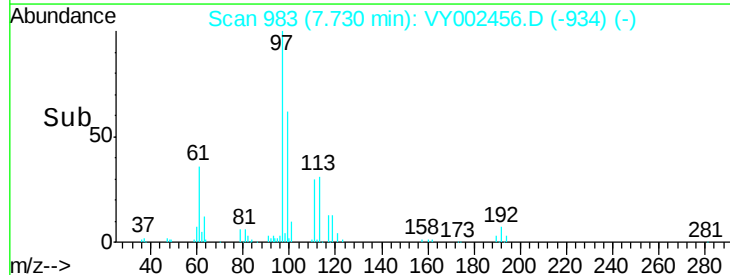
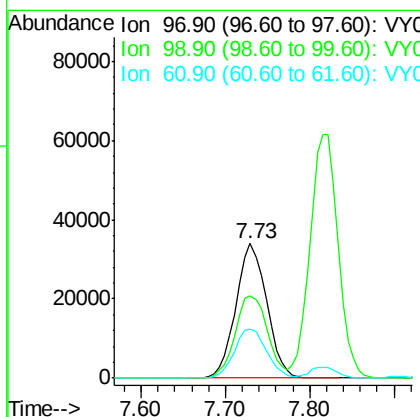
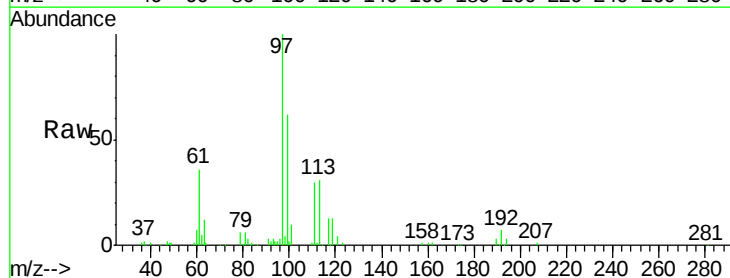
Manual Integrations
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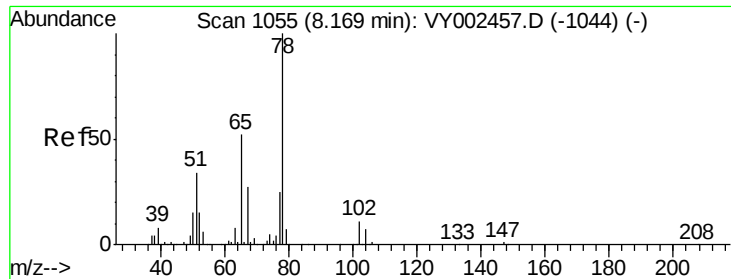
MMDadoda
4/24/2020 1:33:28 PM



#32
1,1,1-Trichloroethane
Concen: 19.700 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion: 97 Resp: 83752
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 38.4 30.6 45.8





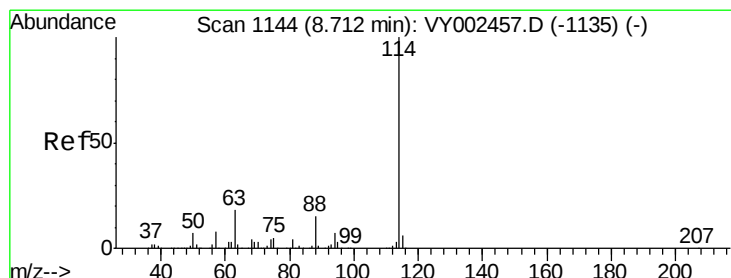
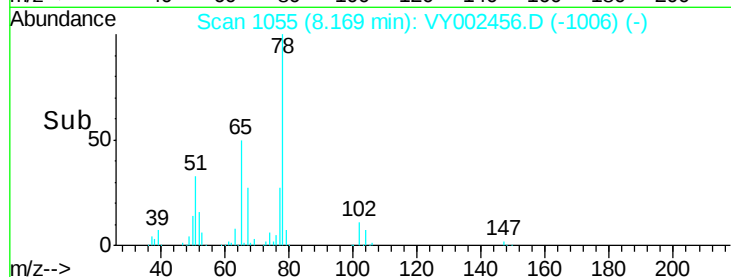
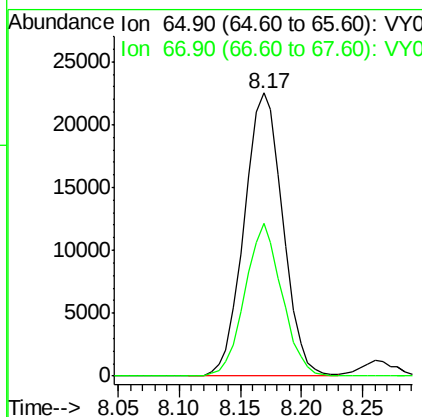
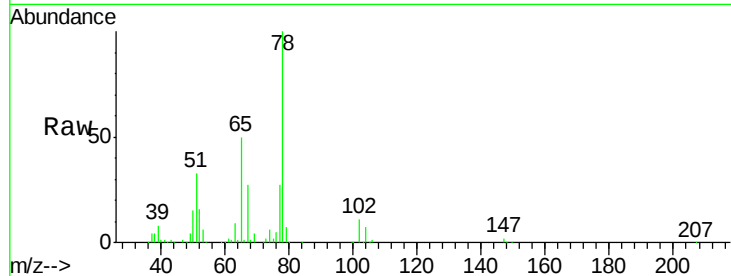
#33
 1,2-Dichloroethane-d4
 Concen: 20.125 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	49533		
67	51.6	0.0	104.2	

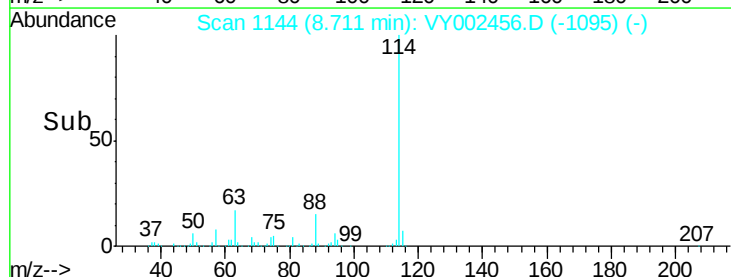
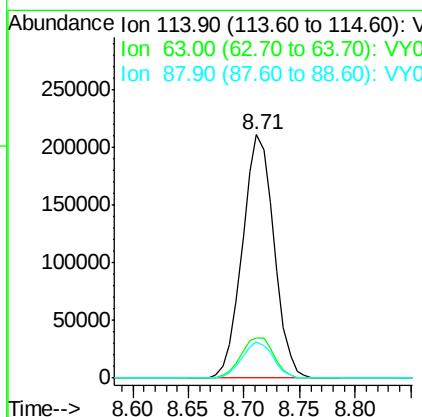
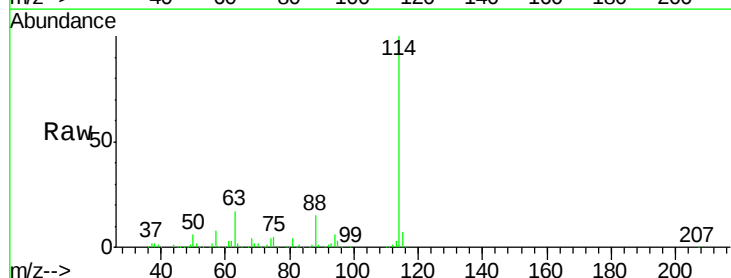
Manual Integrations
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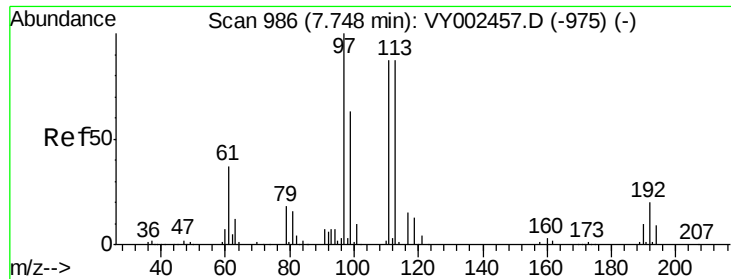
MMDadoda
 4/24/2020 1:33:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416579		
63	16.7	0.0	35.6	
88	14.7	0.0	29.4	





#35

Dibromofluoromethane

Concen: 19.539 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

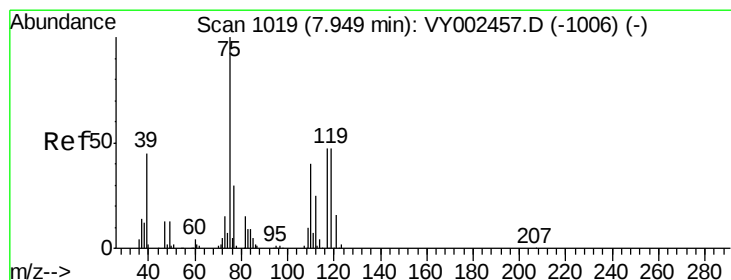
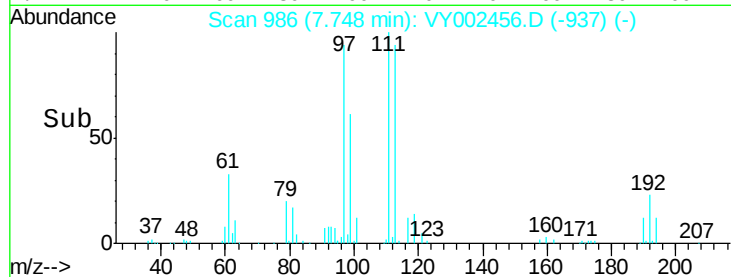
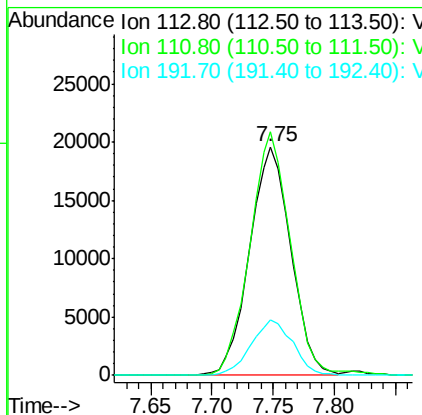
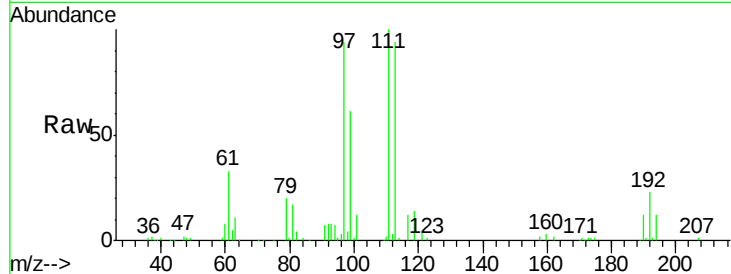
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	46069
Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.0	121.4
192	24.3	18.6	27.8

Manual Integrations
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4/24/2020 1:33:28 PM



#36

1,1-Dichloropropene

Concen: 19.445 ug/l

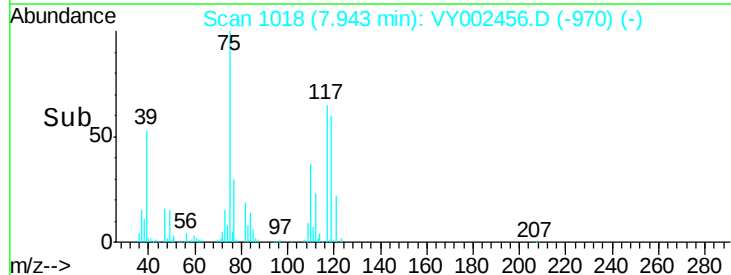
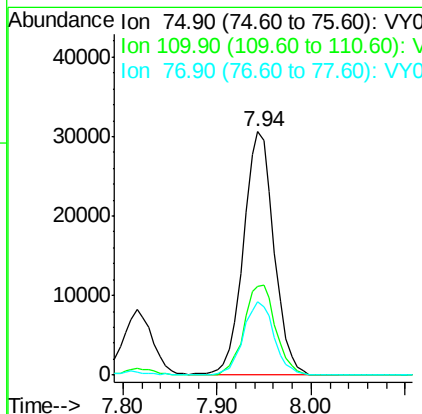
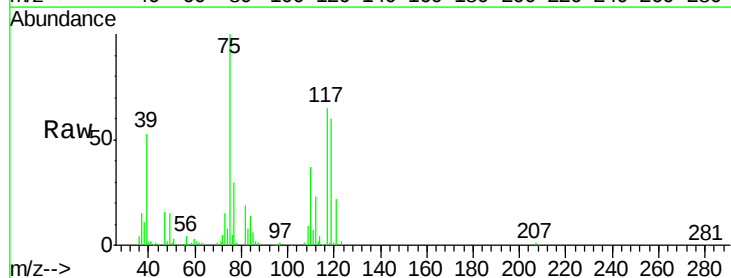
RT: 7.94 min Scan# 1018

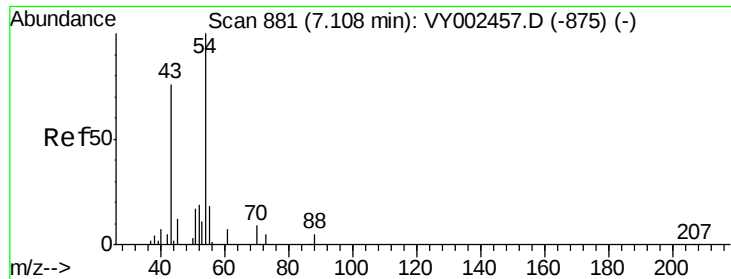
Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	75	Resp:	69521
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.4	58.4
77	30.4	24.7	37.1





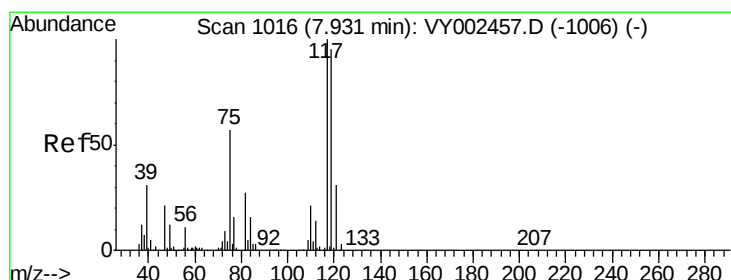
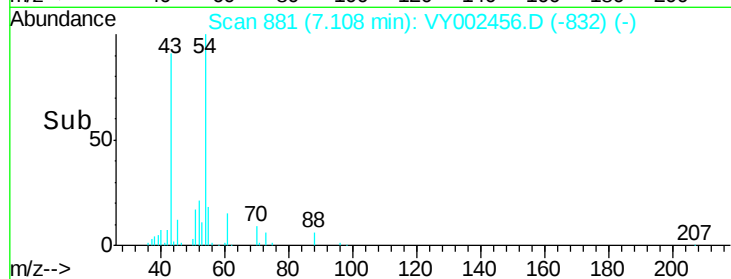
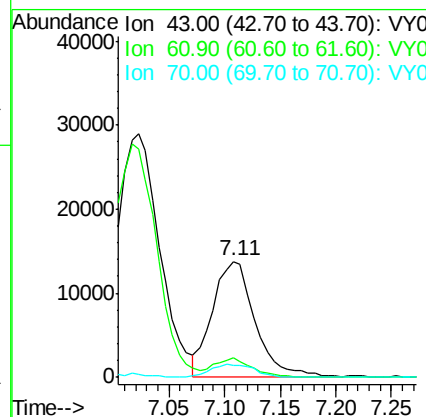
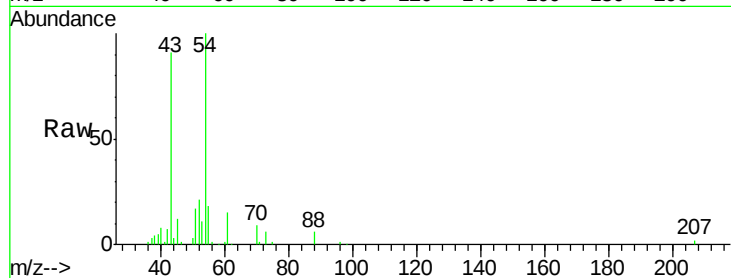
#37
Ethyl Acetate
Concen: 20.631 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	11.7	9.3	13.9

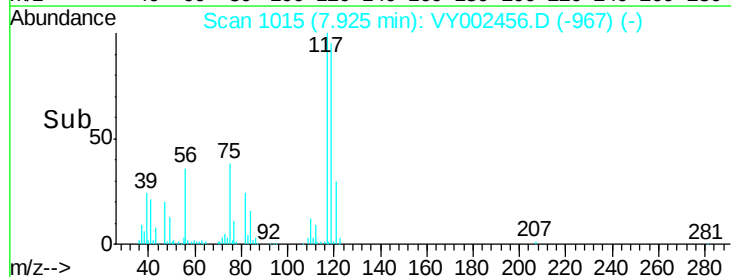
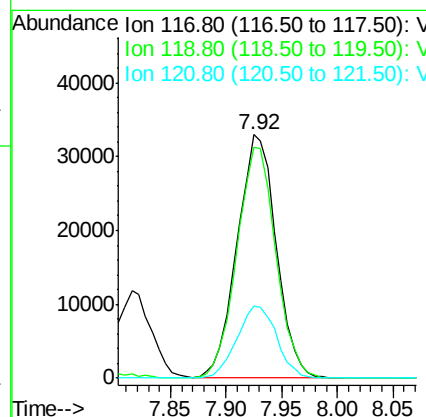
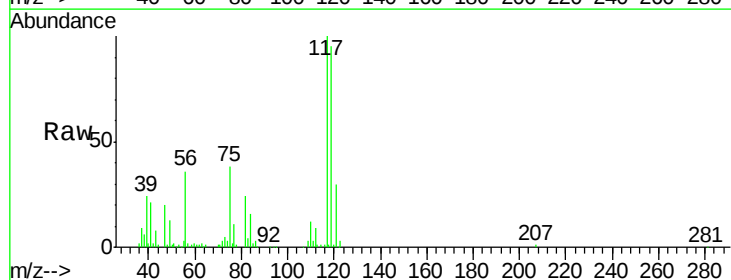
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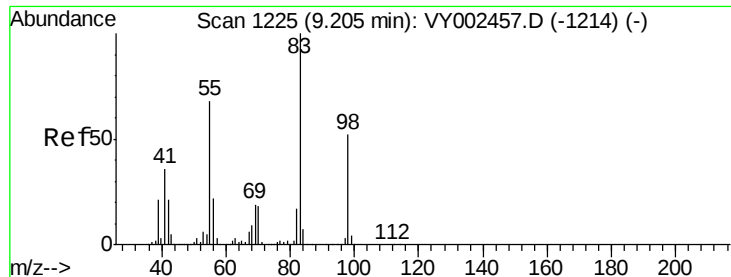
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#38
Carbon Tetrachloride
Concen: 19.718 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.9	113.9
121	29.7	24.5	36.7





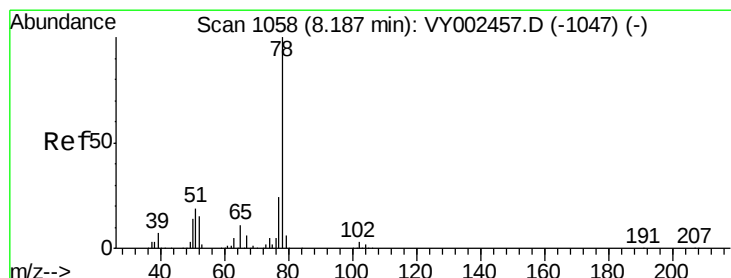
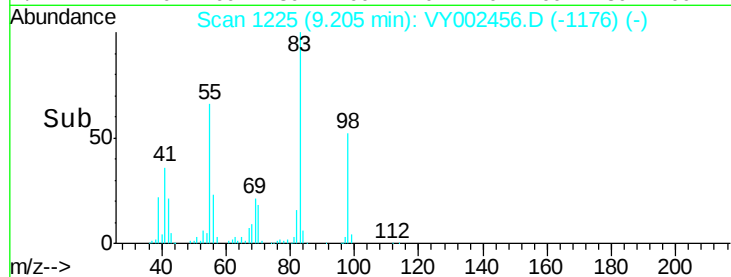
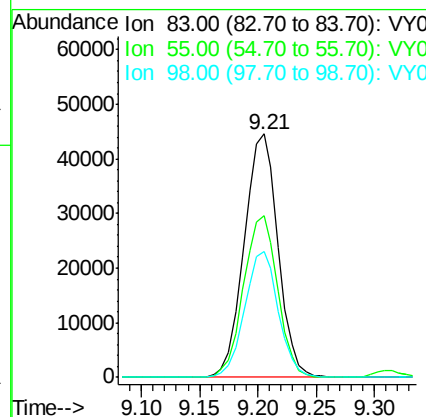
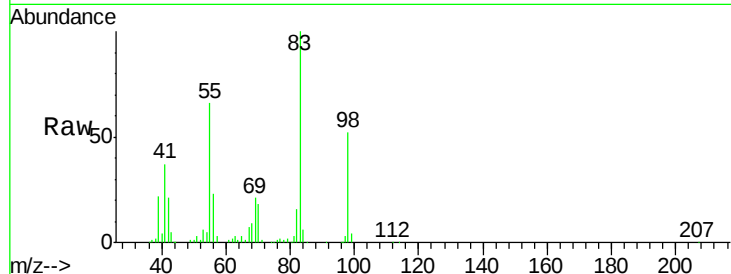
#39
Methvlcvclohexane
Concen: 19.429 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	54.2	81.2
98	51.7	41.9	62.9

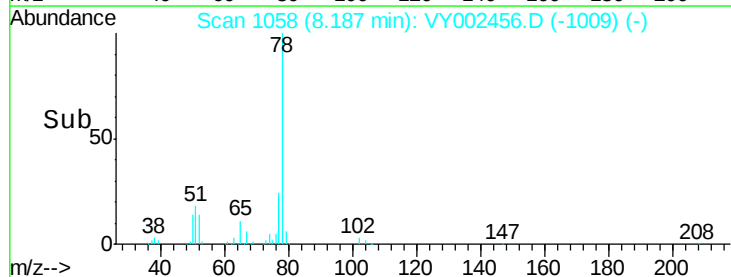
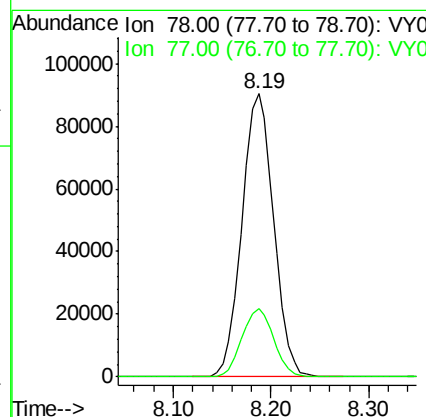
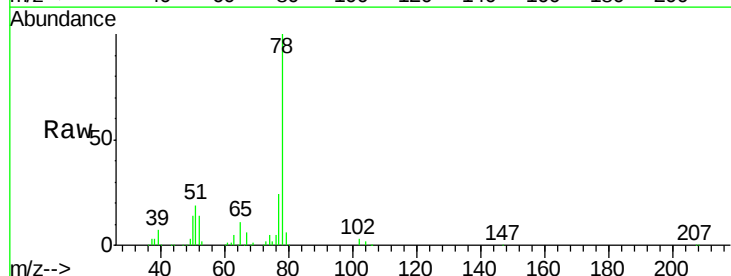
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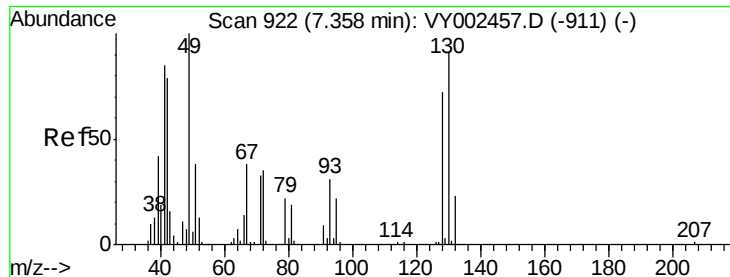
MMDadoda
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#40
Benzene
Concen: 19.637 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 10.346 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 21963

Ion Ratio Lower Upper

41 100

39 0.0 85.7 128.5#

67 0.0 0.0 0.0

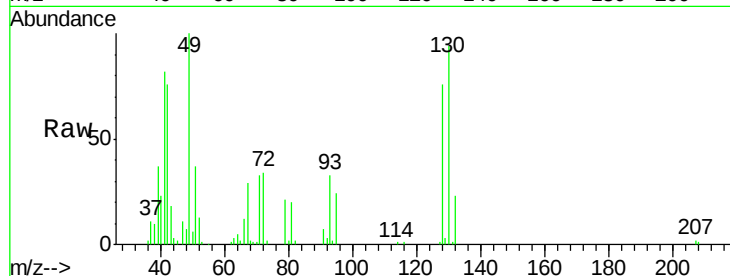
52 0.0 0.0 0.0

Manual Integrations

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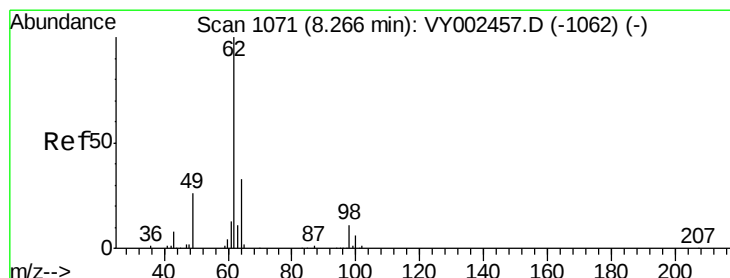
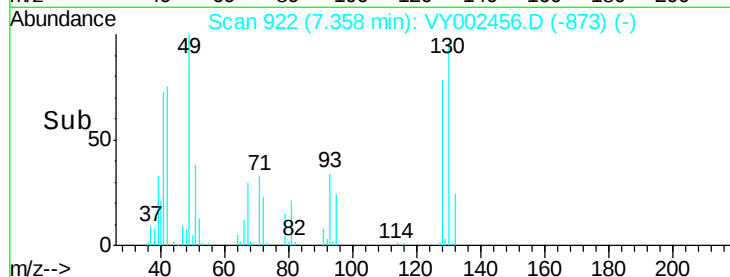
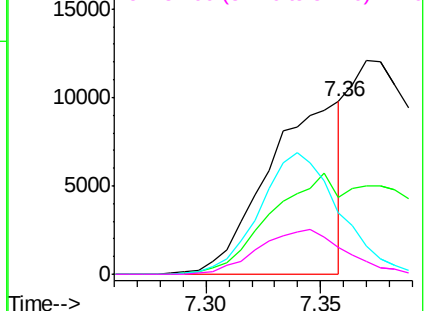


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 19.805 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VY002456.D

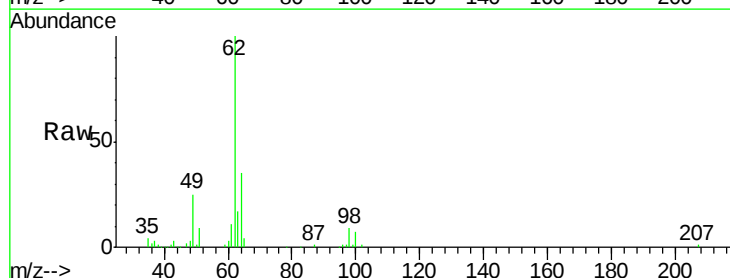
Acq: 23 Apr 2020 12:04

Tgt Ion: 62 Resp: 59143

Ion Ratio Lower Upper

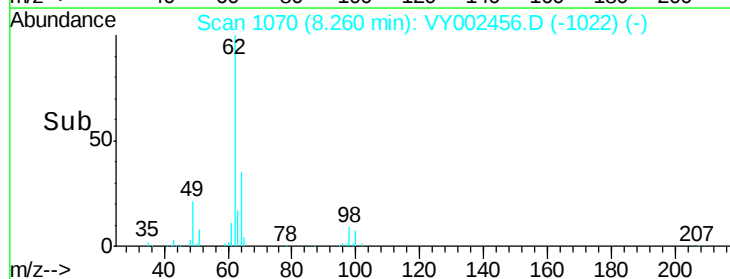
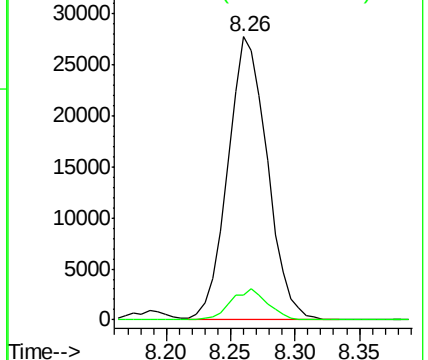
62 100

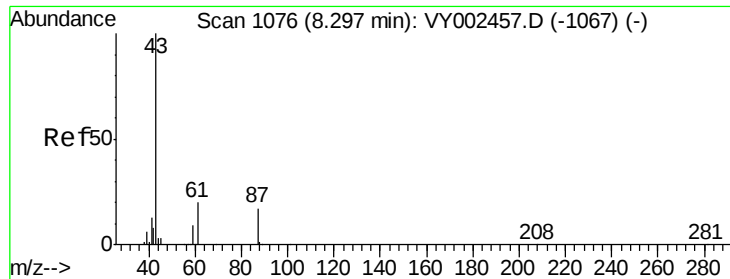
98 10.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





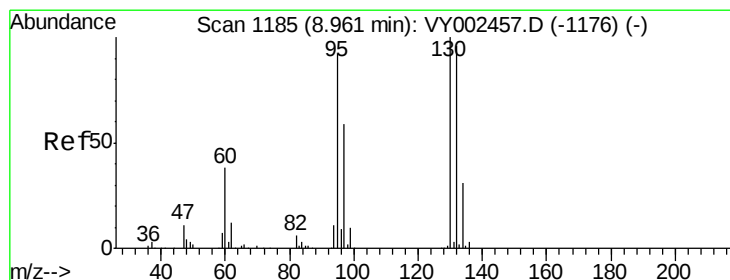
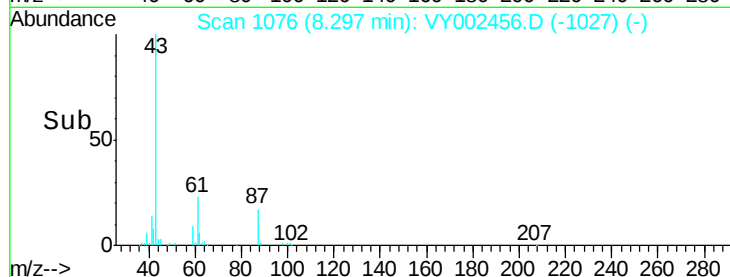
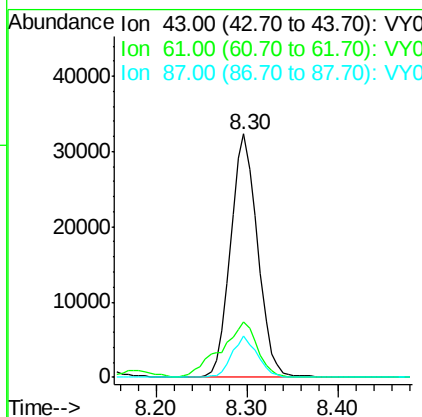
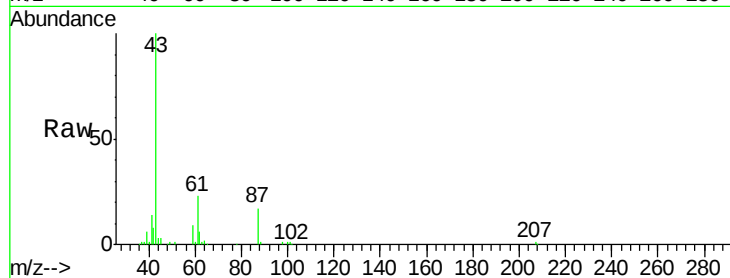
#43
Isopropyl Acetate
Concen: 20.288 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.0	37.4
87	16.0	13.0	19.4

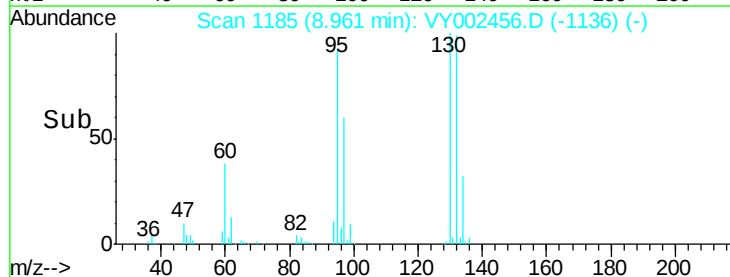
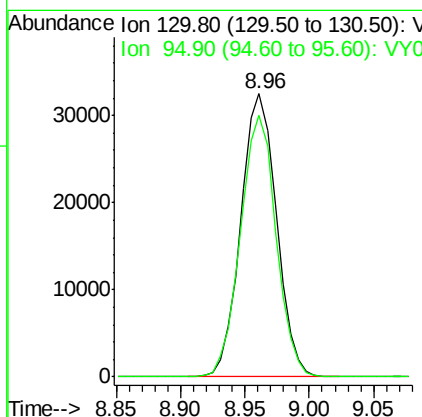
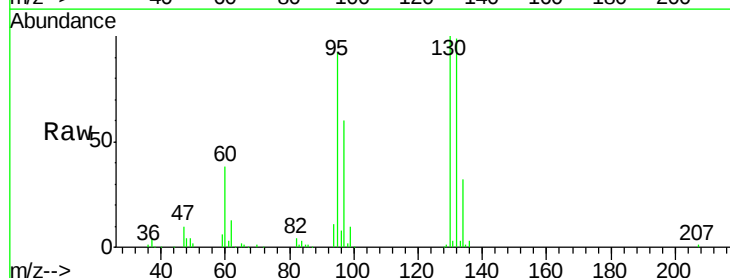
Manual Integrations
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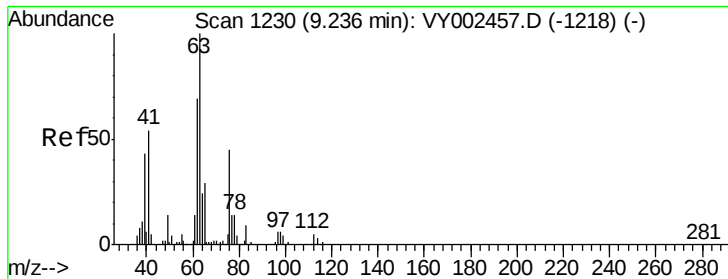
MMDadoda
4/24/2020 1:33:28 PM



#44
Trichloroethene
Concen: 19.331 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	184.2





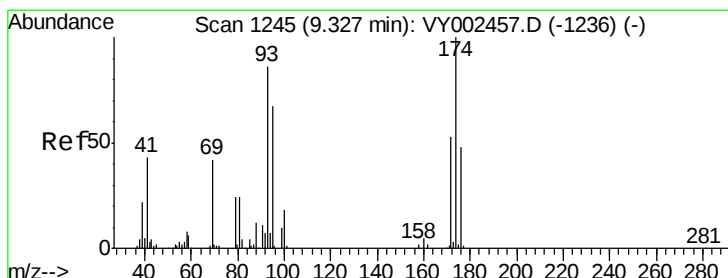
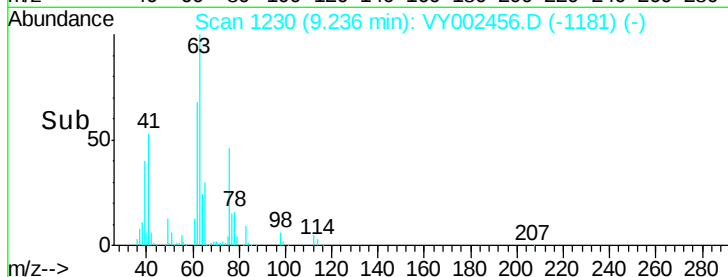
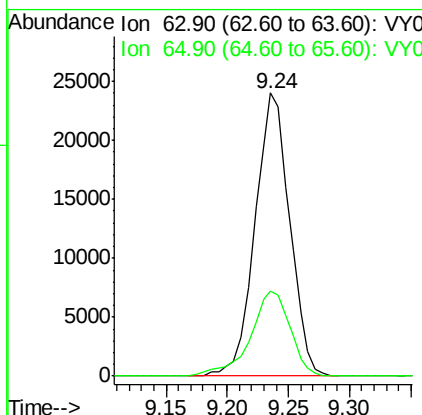
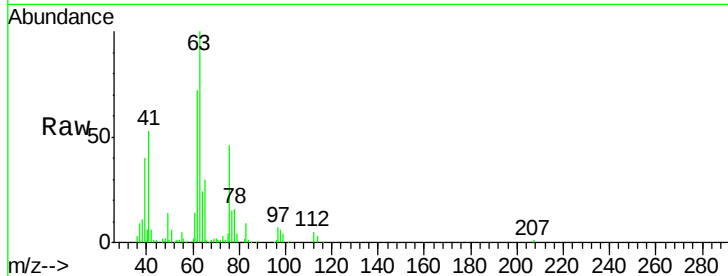
#45
 1,2-Dichloropropane
 Concen: 19.947 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Resp	47491
Ion Ratio	Lower	Upper	
63	100		
65	30.1	23.4	35.0

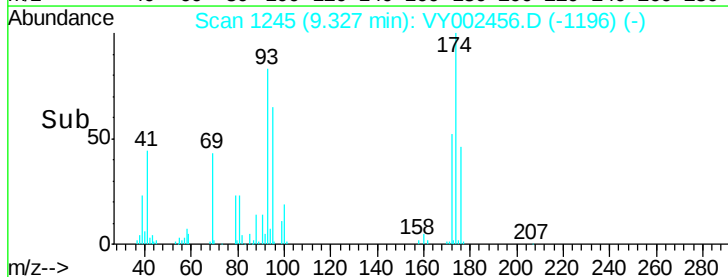
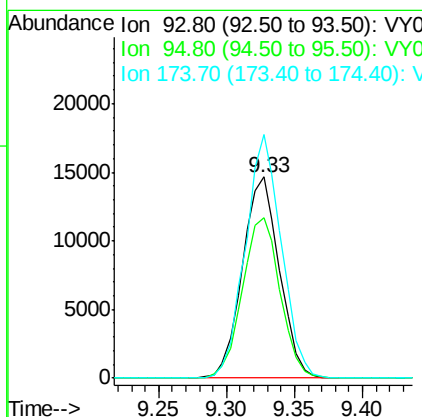
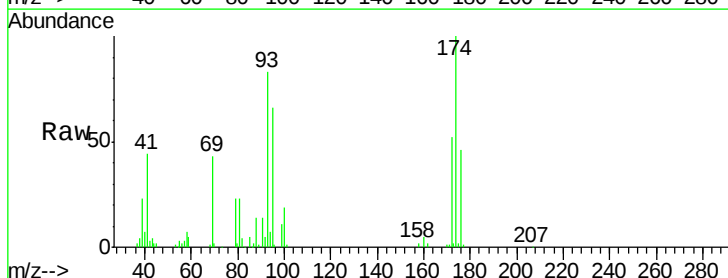
Manual Integrations
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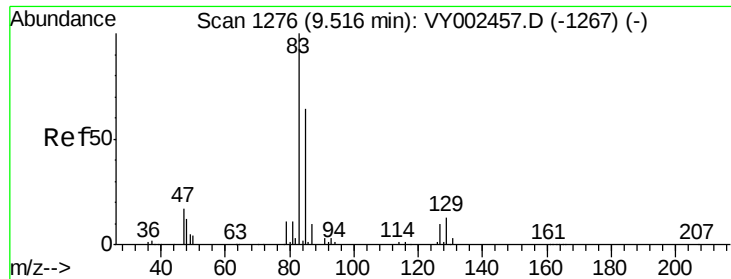
MMDadoda
 4/24/2020 1:33:28 PM



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	93	Resp	27863
Ion Ratio	Lower	Upper	
93	100		
95	81.4	65.4	98.0
174	118.1	94.8	142.2





#47

Bromodichloromethane

Concen: 19.686 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

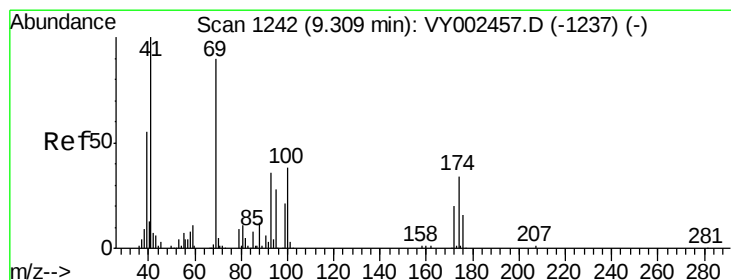
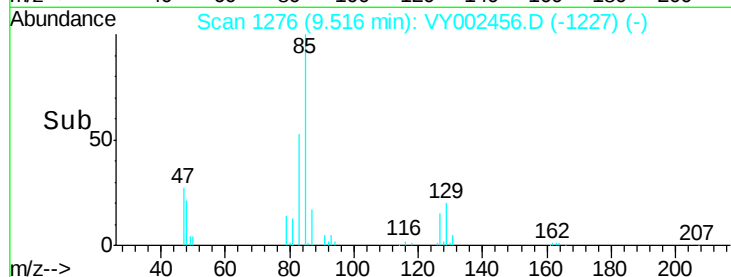
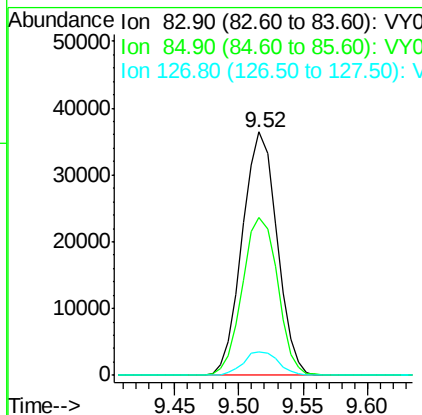
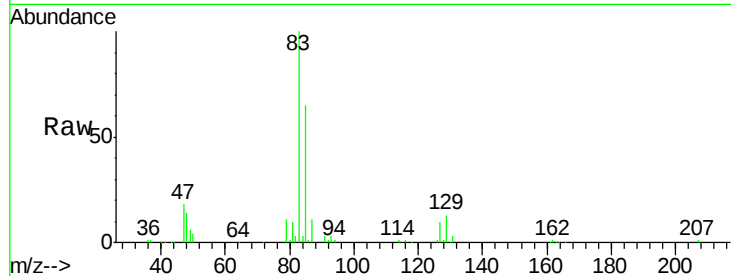
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	68171
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.105 ug/l

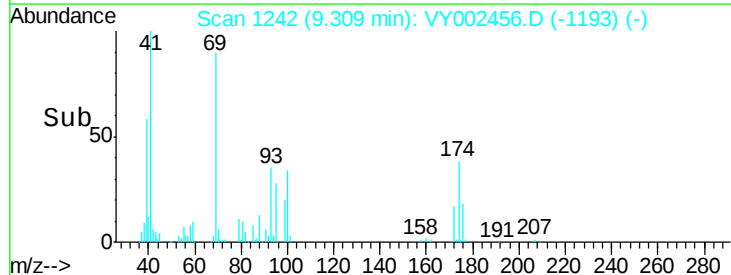
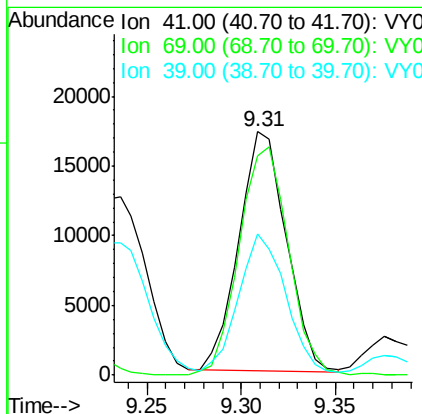
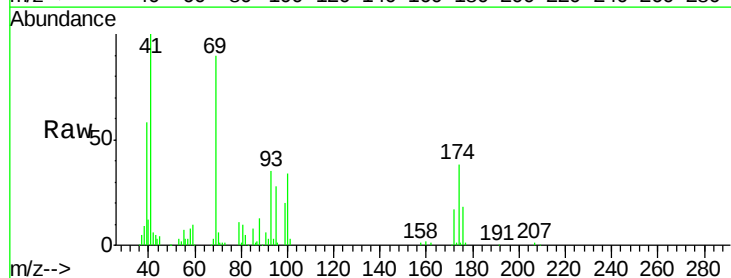
RT: 9.31 min Scan# 1242

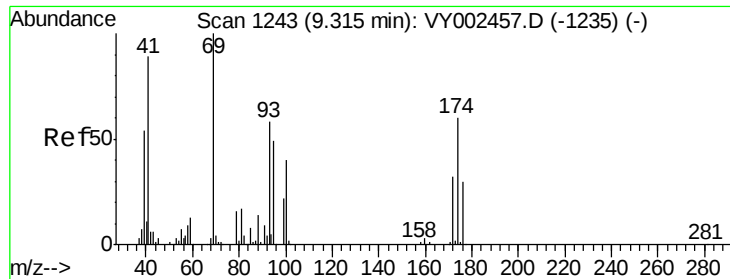
Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	41	Resp:	30137
Ion	Ratio	Lower	Upper
41	100		
69	99.0	77.9	116.9
39	56.9	47.9	71.9





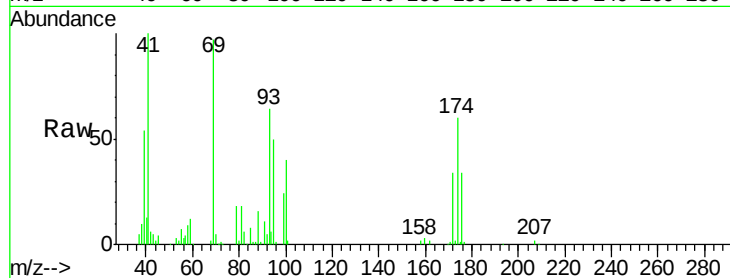
#49
1,4-Dioxane
Concen: 400.901 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

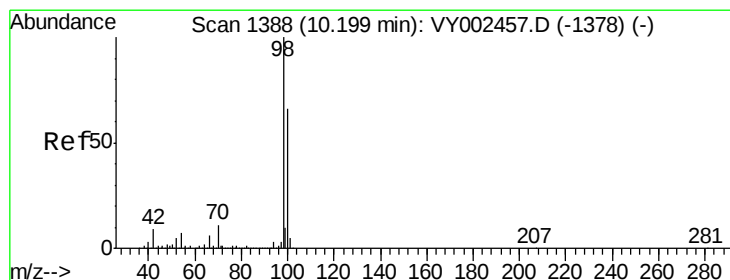
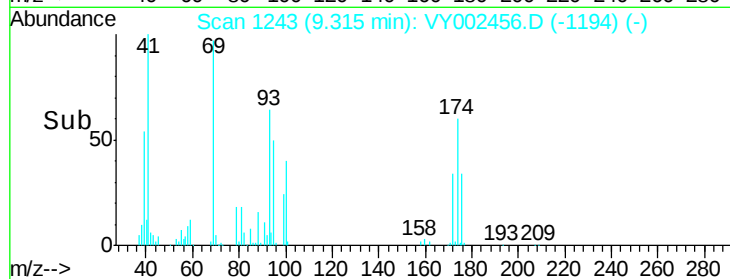
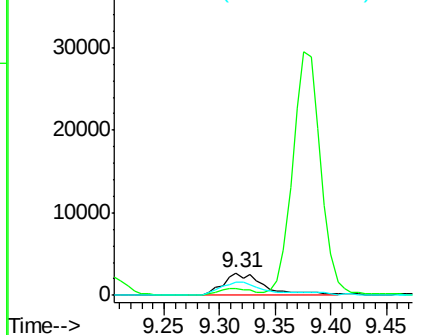
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	22.9	34.3
58	58.4	49.5	74.3

Manual Integrations
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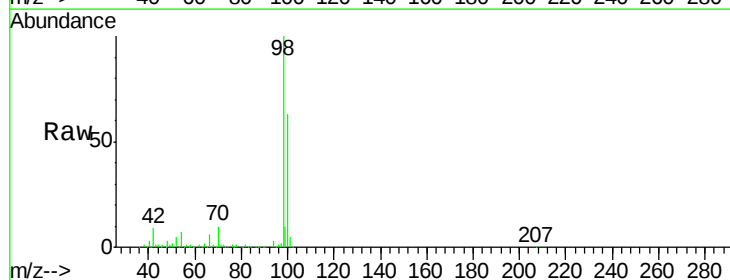


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

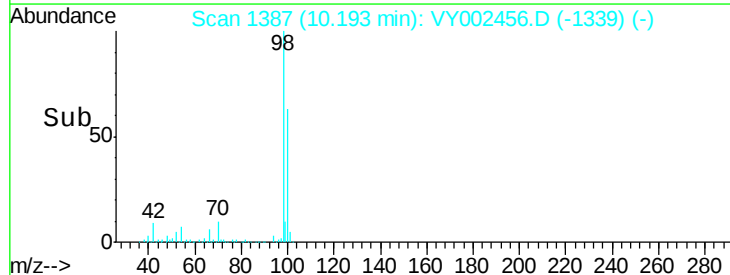
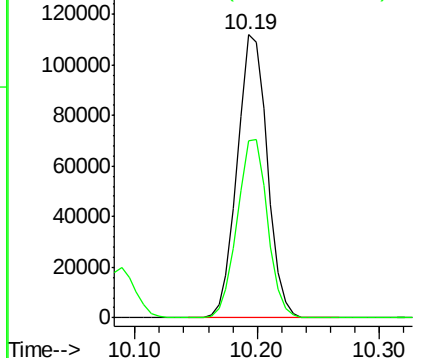


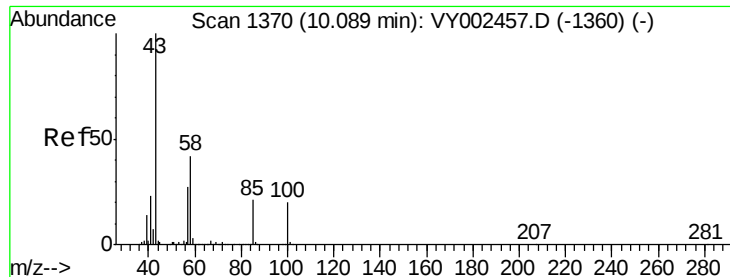
#50
Toluene-d8
Concen: 20.076 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





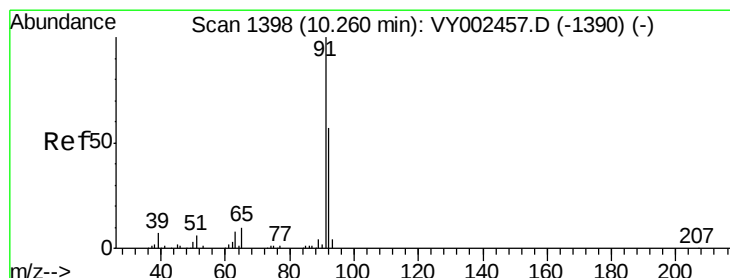
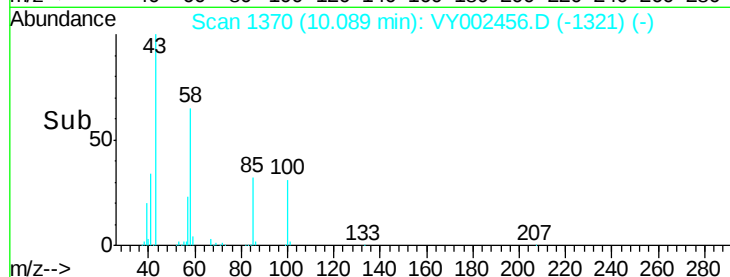
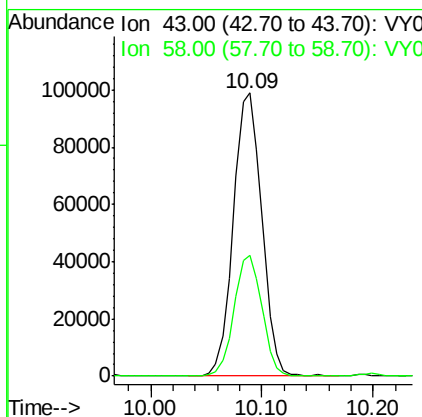
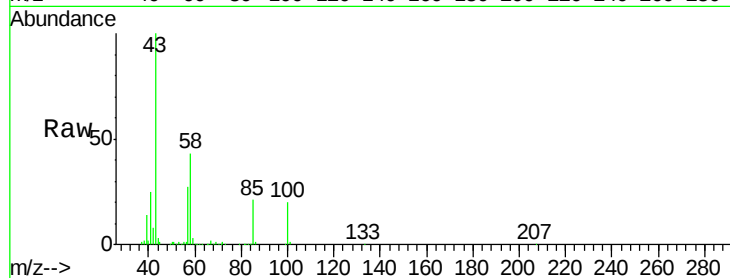
#51
4-Methyl-2-Pentanone
Concen: 102.466 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	174707
Ion Ratio	100	Lower	Upper
43	100		
58	41.9	33.2	49.8

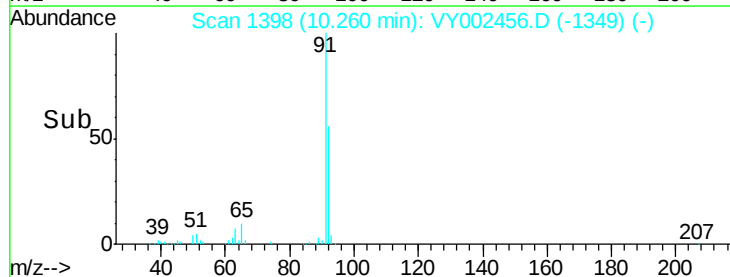
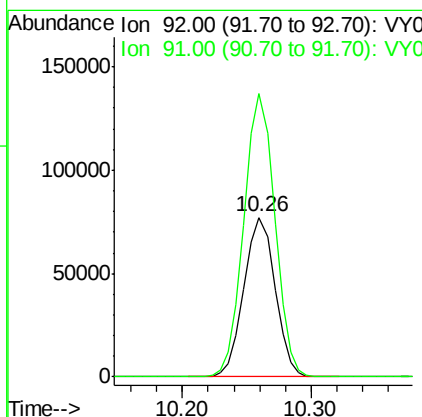
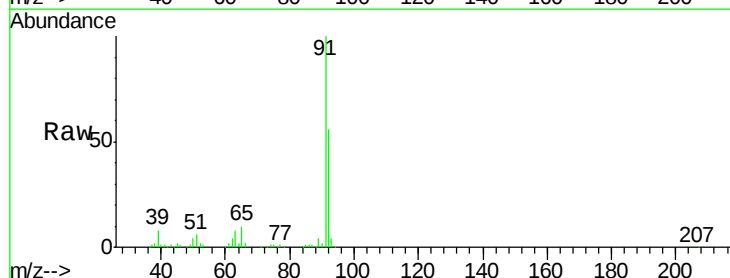
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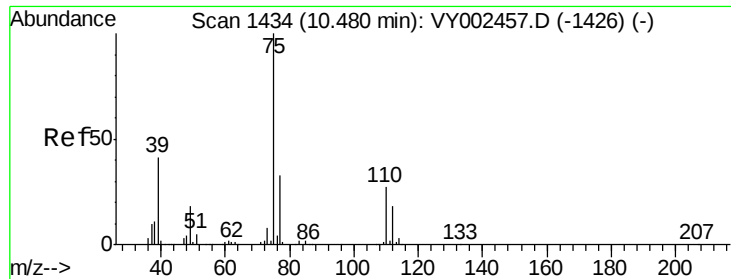
MMDadoda
4/24/2020 1:33:28 PM



#52
Toluene
Concen: 19.530 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	92	Resp	129198
Ion Ratio	100	Lower	Upper
92	100		
91	176.3	140.2	210.2





#53

t-1,3-Dichloropropene

Concen: 20.007 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 72059

Ion Ratio Lower Upper

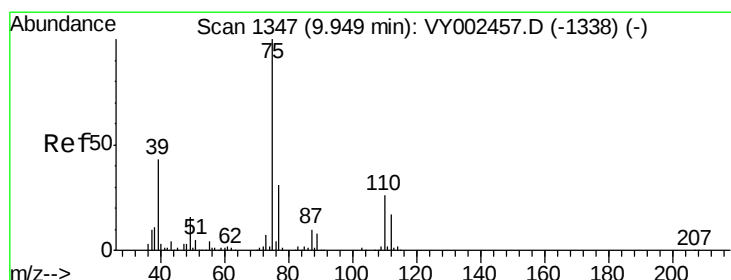
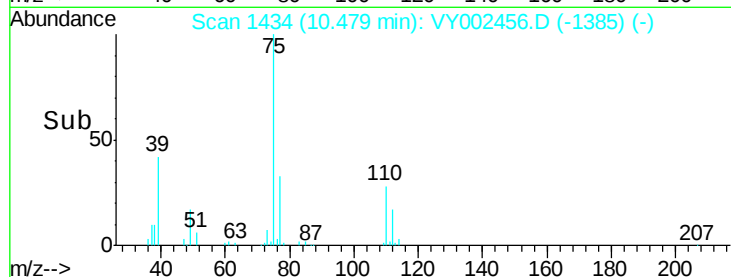
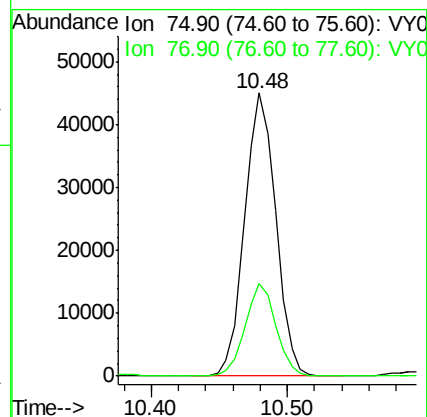
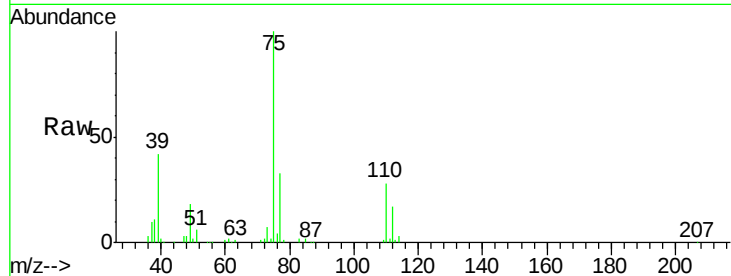
75 100

77 32.7 26.4 39.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.862 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

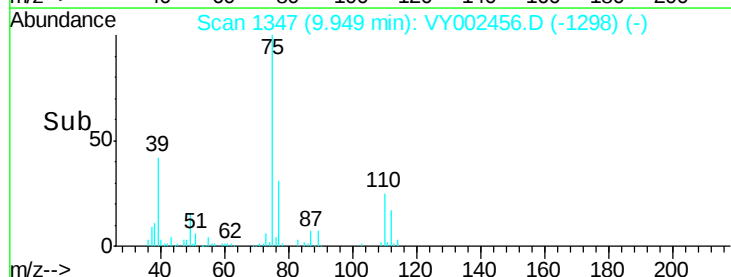
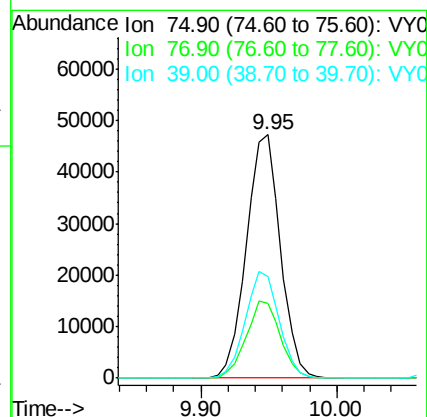
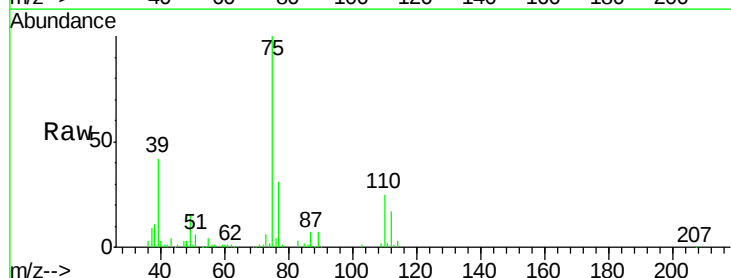
Tgt Ion: 75 Resp: 82527

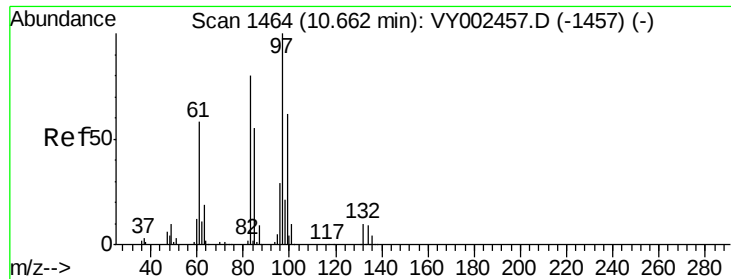
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 41.9 34.2 51.2





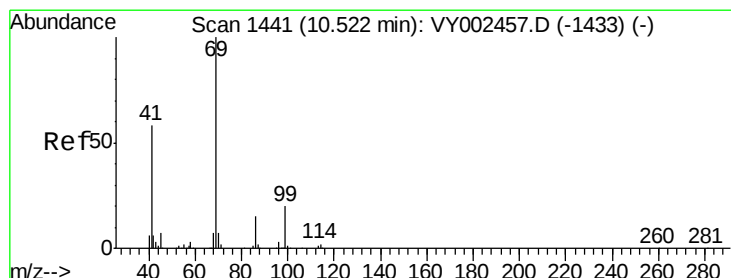
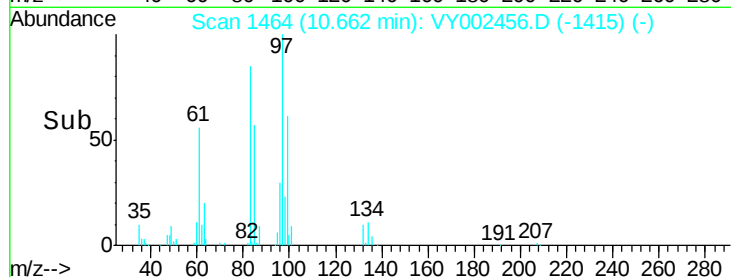
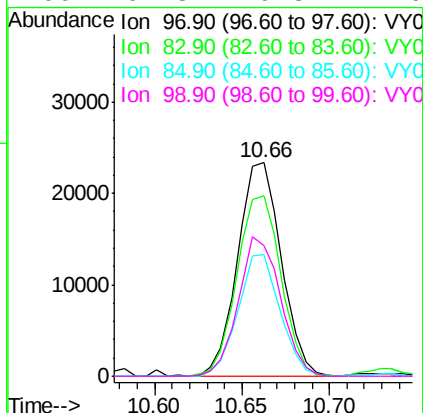
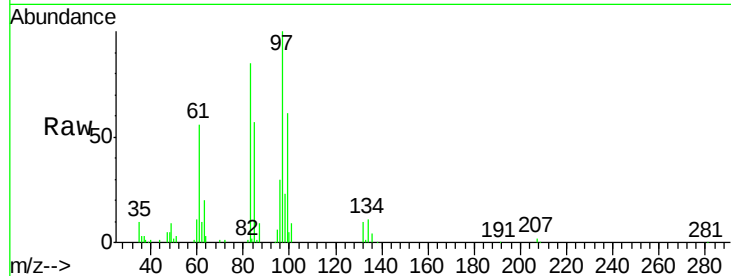
#55
 1,1,2-Trichloroethane
 Concen: 19.829 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	40571
Ion	Ratio	Lower	Upper
97	100		
83	84.7	63.8	95.8
85	56.9	43.9	65.9
99	61.3	49.8	74.6

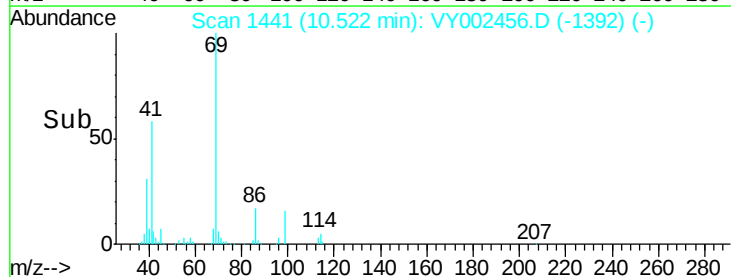
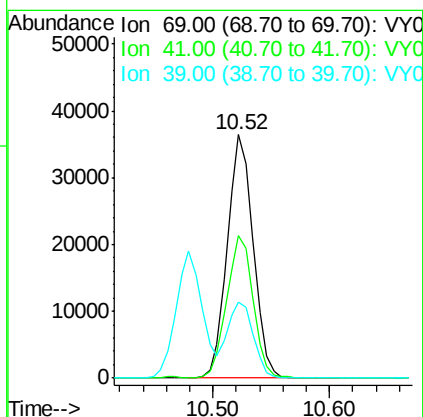
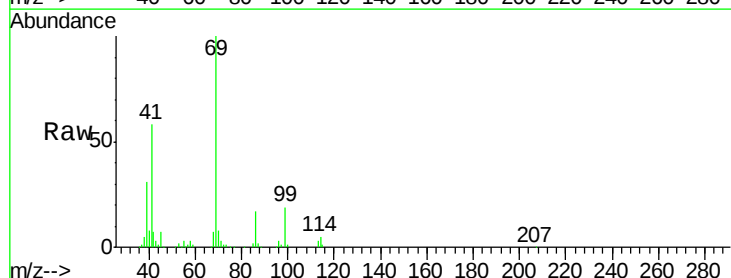
Manual Integrations
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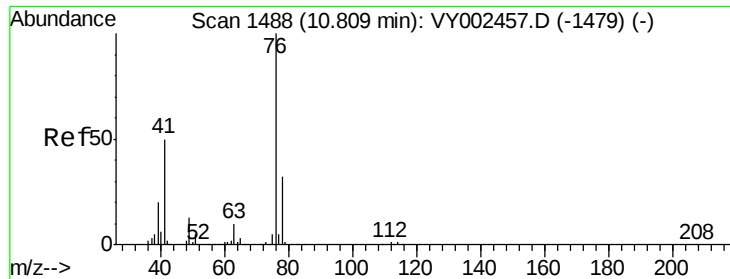
MMDadoda
 4/24/2020 1:33:28 PM



#56
 Ethyl methacrylate
 Concen: 20.390 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion:	69	Resp:	56407
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.5	71.3
39	31.1	25.7	38.5





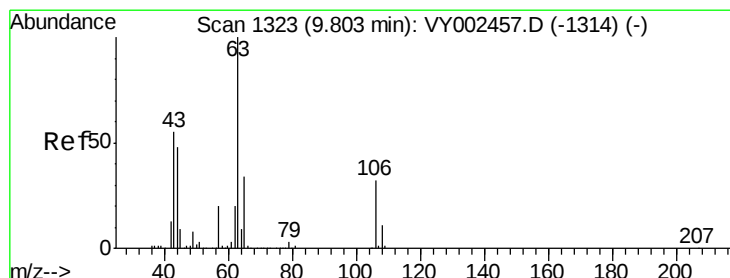
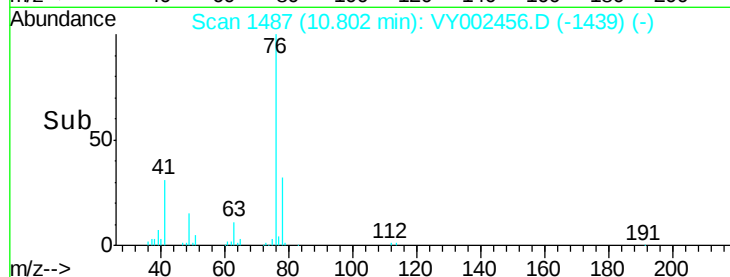
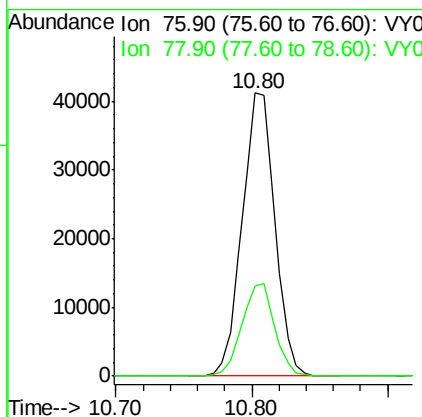
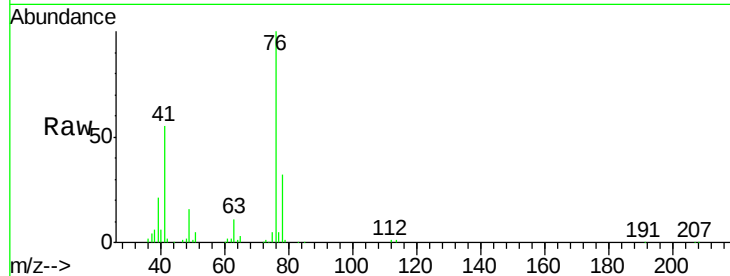
#57
 1,3-Dichloropropane
 Concen: 20.050 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 69210
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

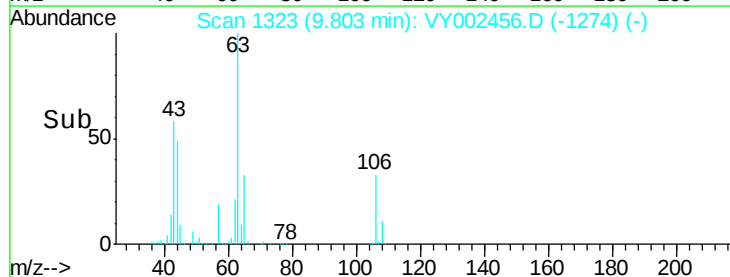
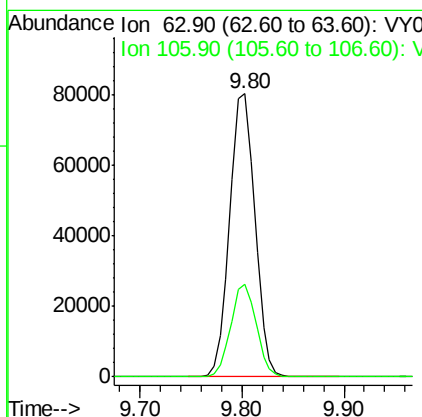
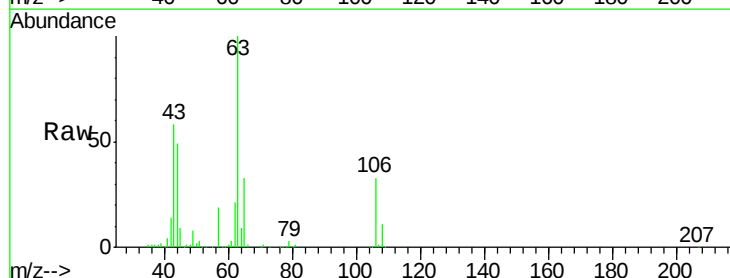
Manual Integrations
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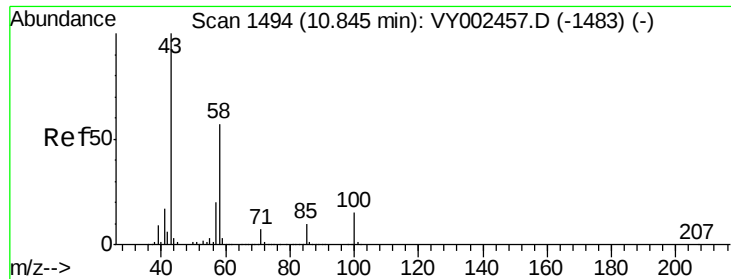
MMDadoda
 4/24/2020 1:33:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.756 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion: 63 Resp: 137496
 Ion Ratio Lower Upper
 63 100
 106 32.7 26.0 39.0





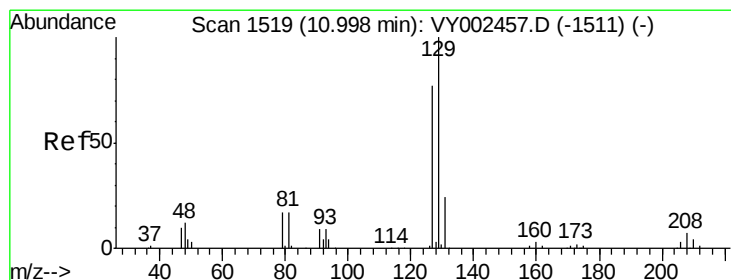
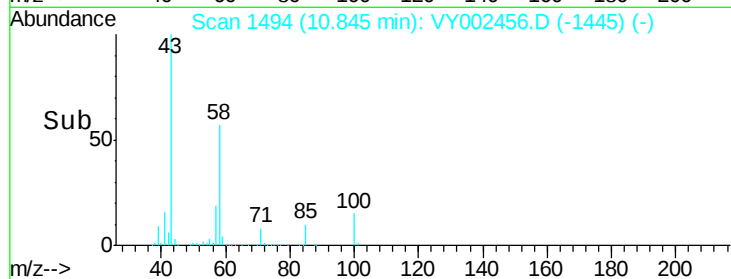
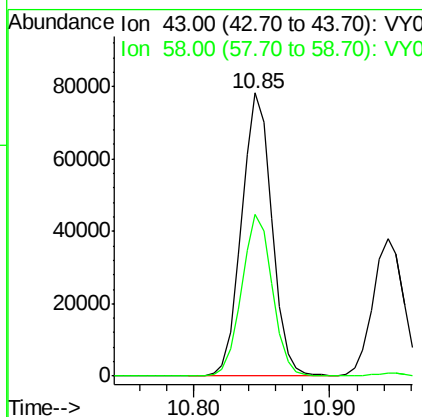
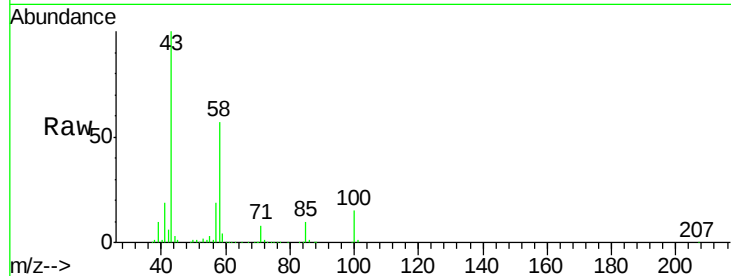
#59
2-Hexanone
Concen: 103.153 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 121686
Ion Ratio Lower Upper
43 100
58 57.8 28.8 86.4

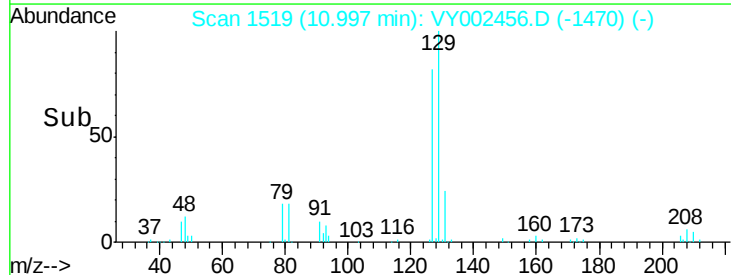
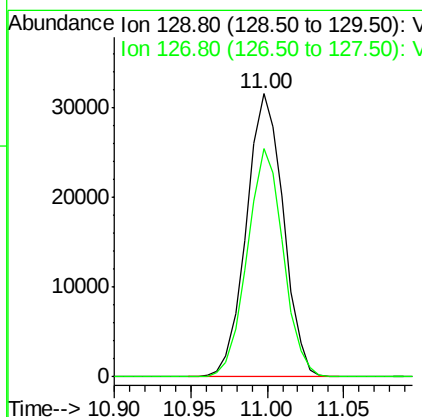
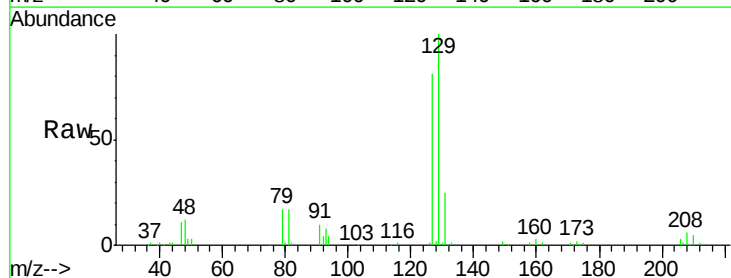
Manual Integrations
APPROVED

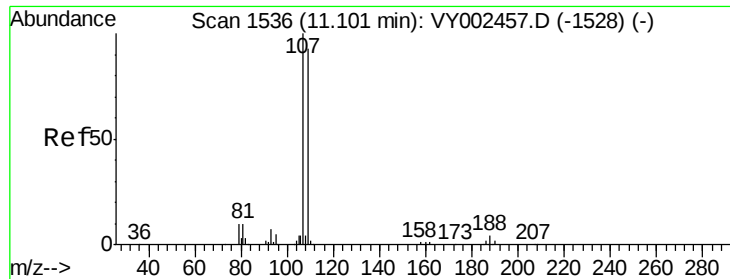
MMDadoda
4/24/2020 1:33:28 PM



#60
Dibromochloromethane
Concen: 19.853 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion:129 Resp: 52932
Ion Ratio Lower Upper
129 100
127 78.7 38.3 114.9





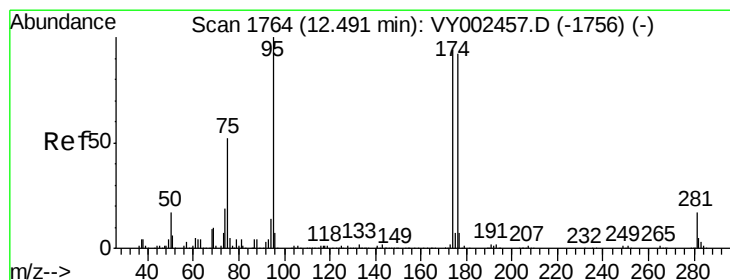
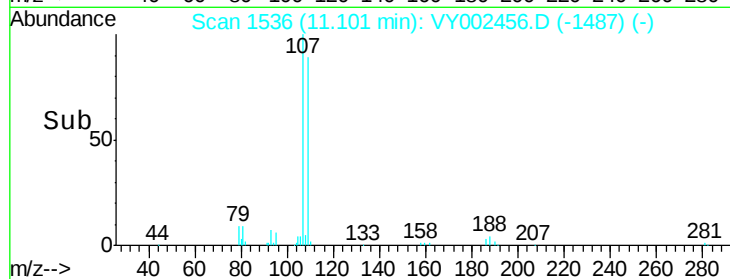
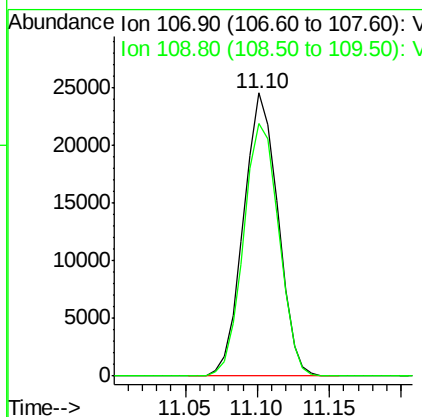
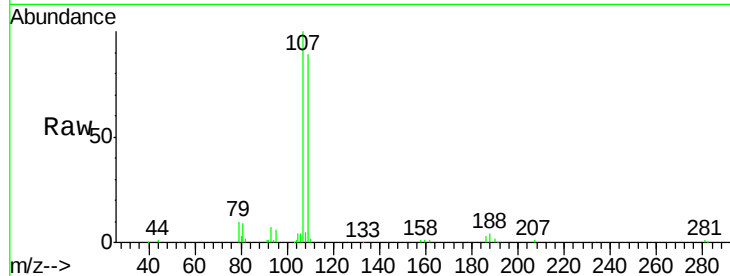
#61
 1,2-Dibromoethane
 Concen: 20.074 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	74.9	112.3

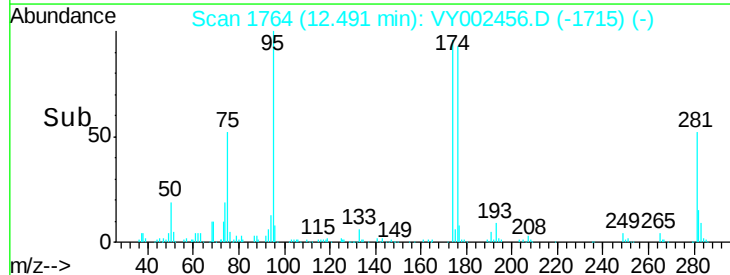
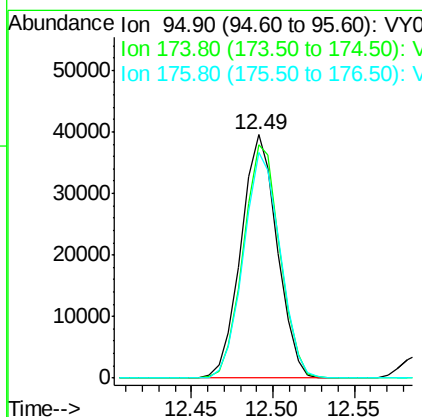
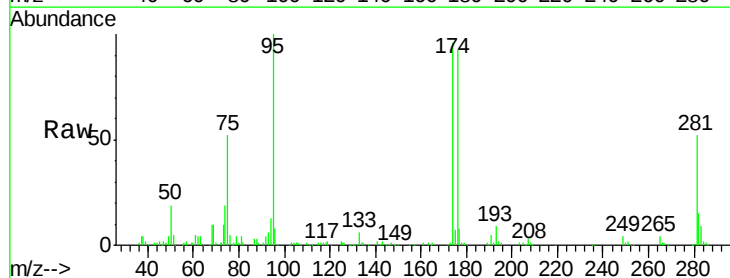
Manual Integrations
 APPROVED

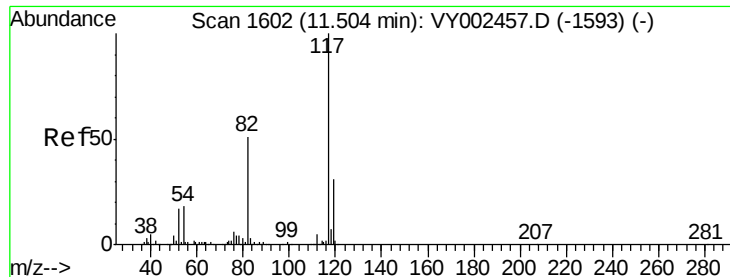
MMDadoda
 4/24/2020 1:33:28 PM



#62
 4-Bromofluorobenzene
 Concen: 19.255 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	193.0
176	93.8	0.0	190.4





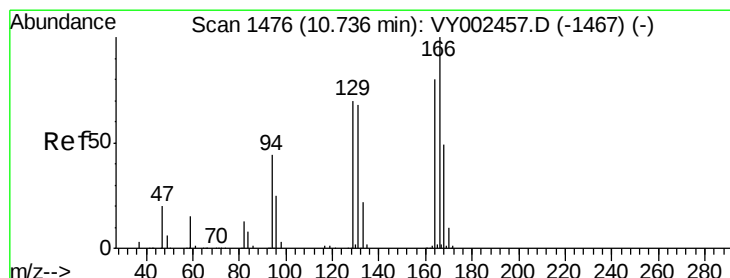
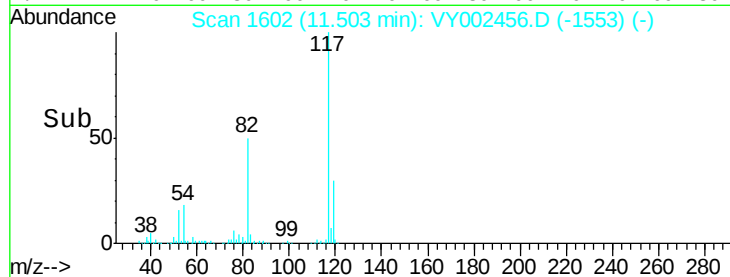
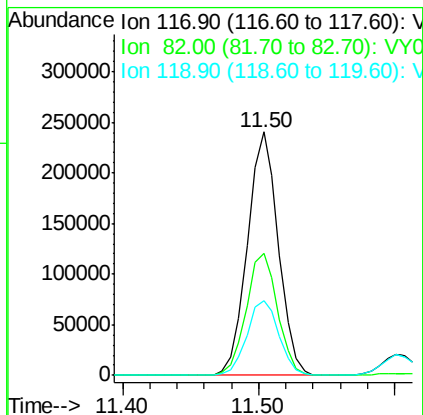
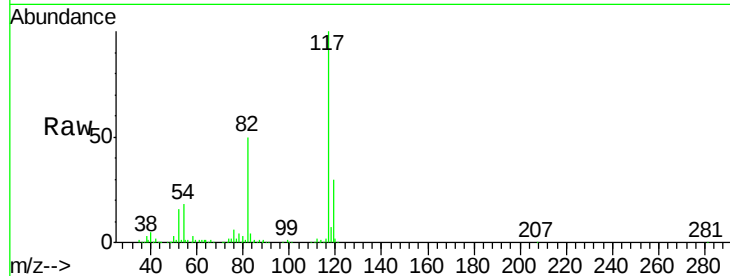
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381402		
82	50.2		40.8	61.2
119	30.5		25.2	37.8

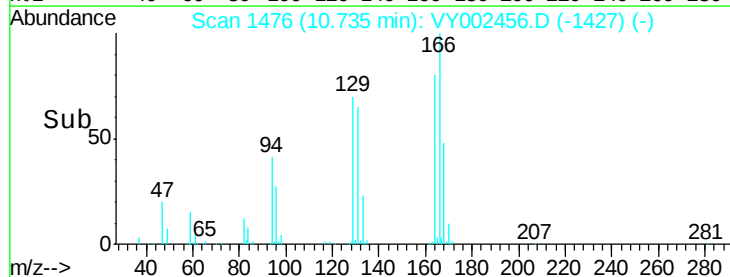
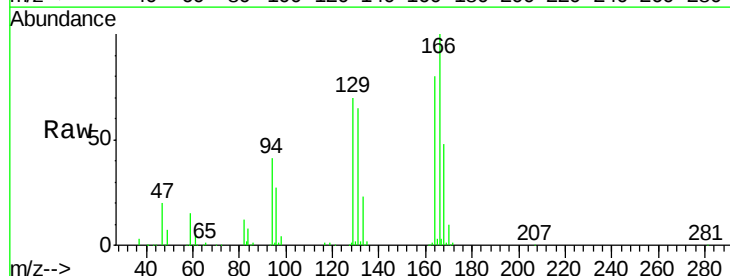
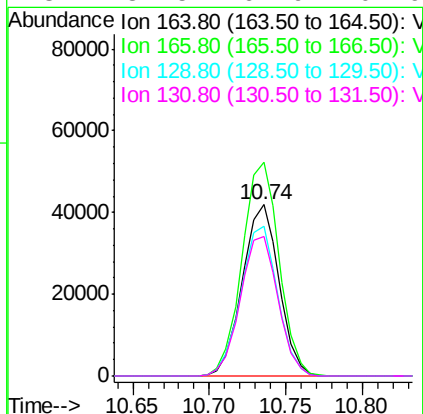
Manual Integrations
APPROVED

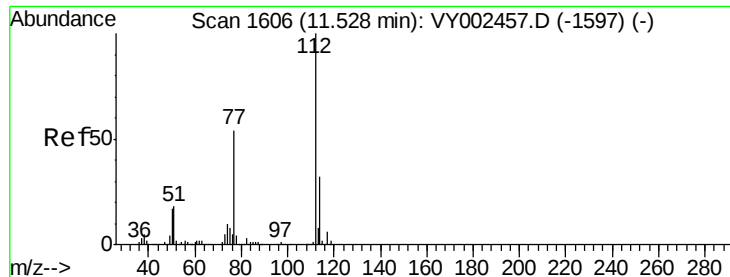
MMDadoda
4/24/2020 1:33:28 PM



#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69623		
166	125.0		100.0	150.0
129	87.7		69.8	104.8
131	81.5		67.9	101.9





#65

Chlorobenzene

Concen: 19.755 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 145169

Ion Ratio Lower Upper

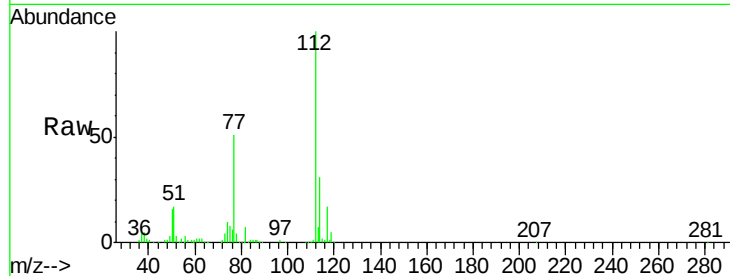
112 100

114 30.8 25.7 38.5

Manual Integrations
APPROVED

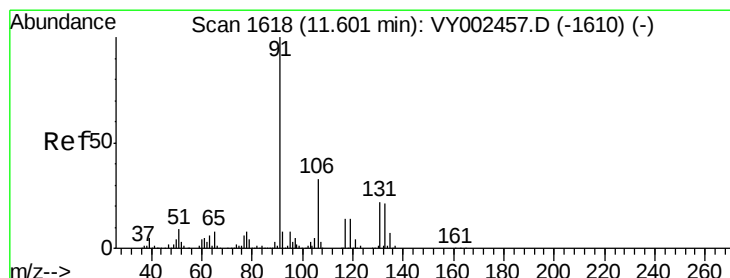
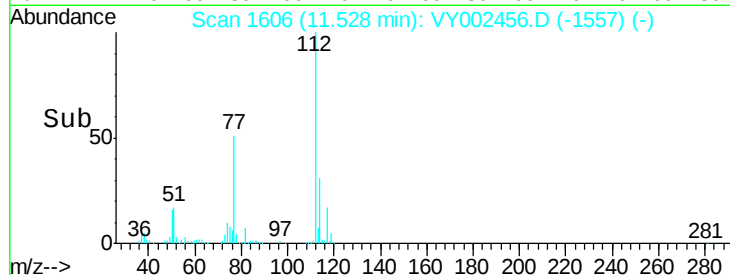
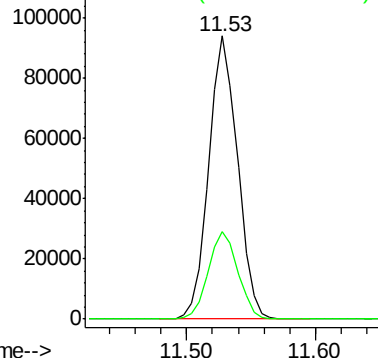
MMDadoda

4/24/2020 1:33:28 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.863 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

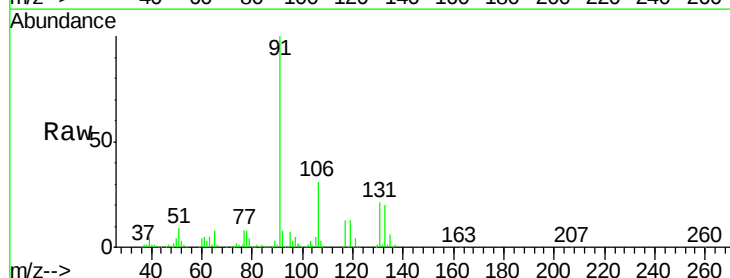
Tgt Ion:131 Resp: 54457

Ion Ratio Lower Upper

131 100

133 97.6 47.8 143.4

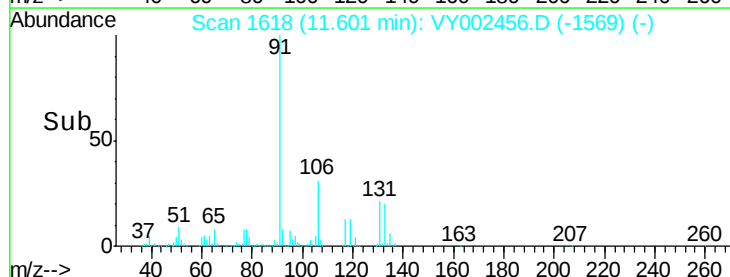
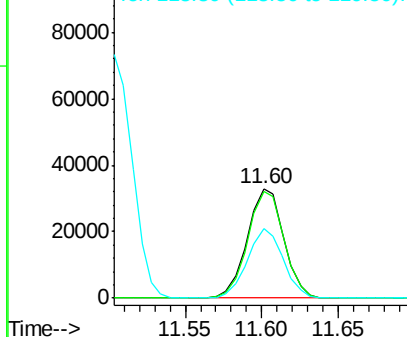
119 62.5 31.1 93.3

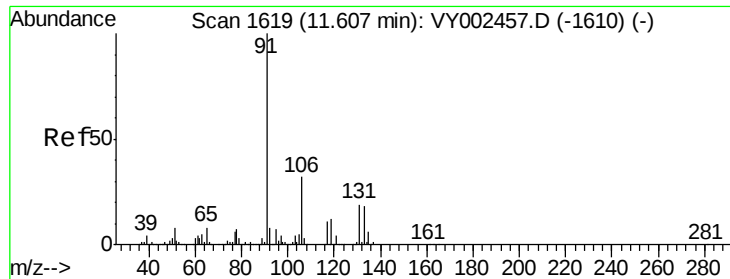


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





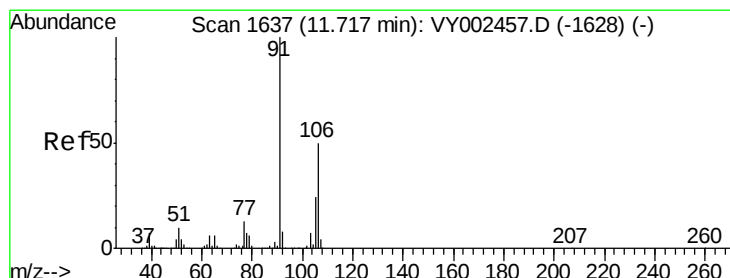
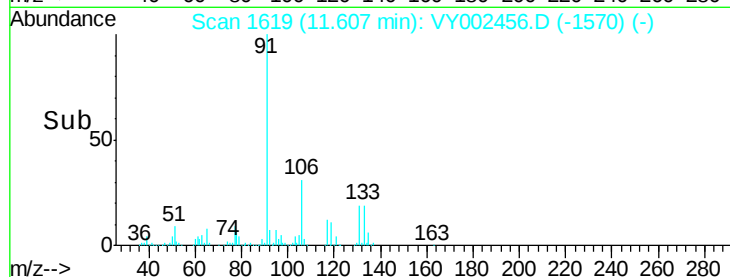
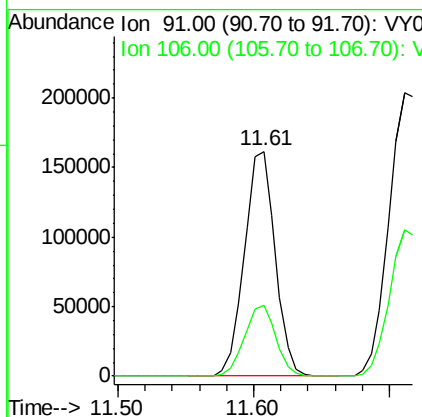
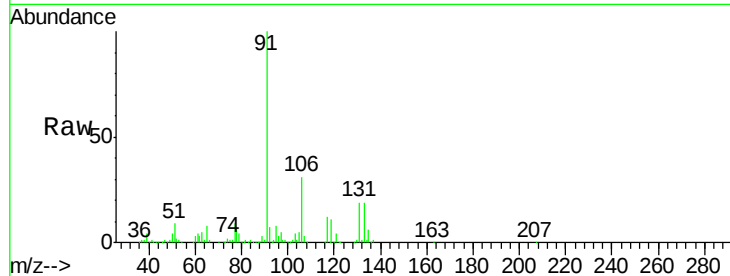
#67
Ethyl Benzene
Concen: 19.635 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.8	38.6

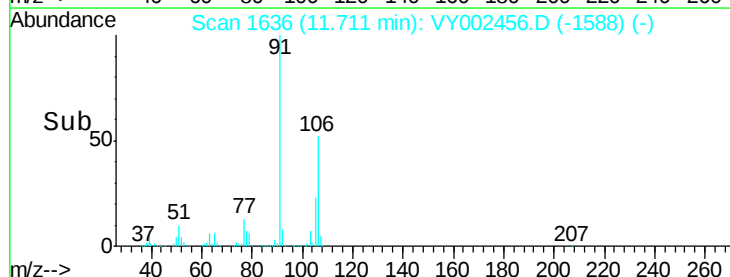
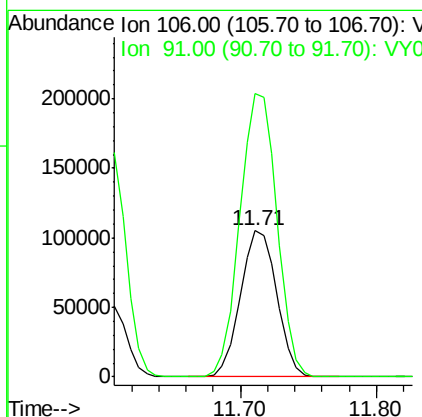
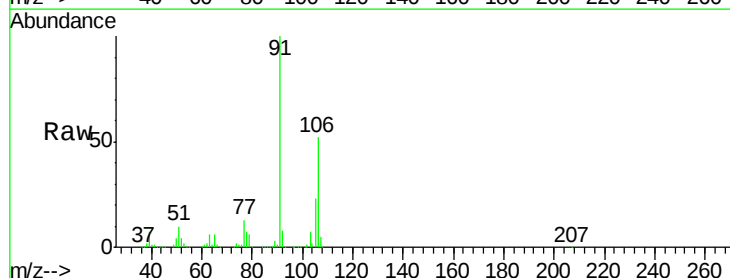
Manual Integrations
APPROVED

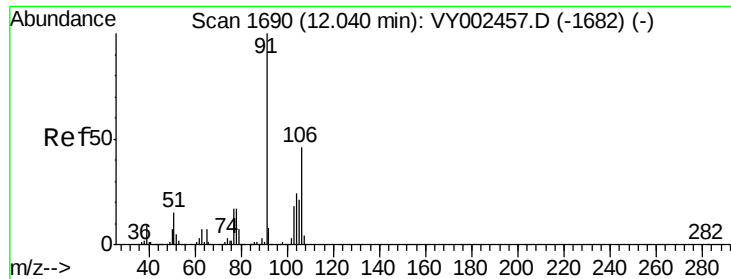
MMDadoda
4/24/2020 1:33:28 PM



#68
m/p-Xylenes
Concen: 39.082 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.7	159.8	239.6





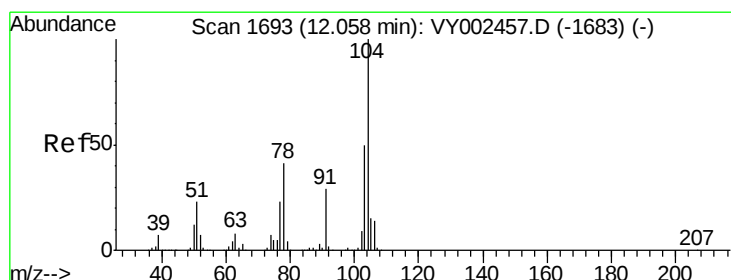
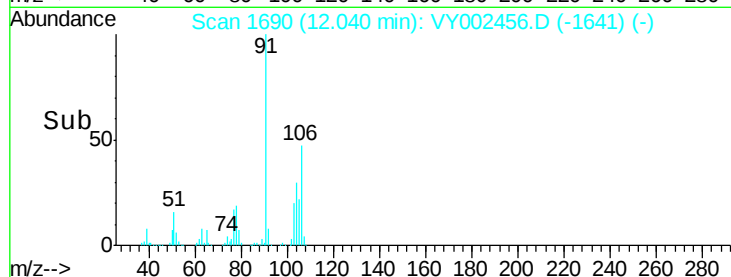
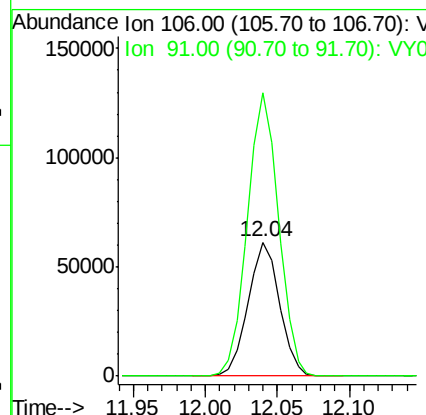
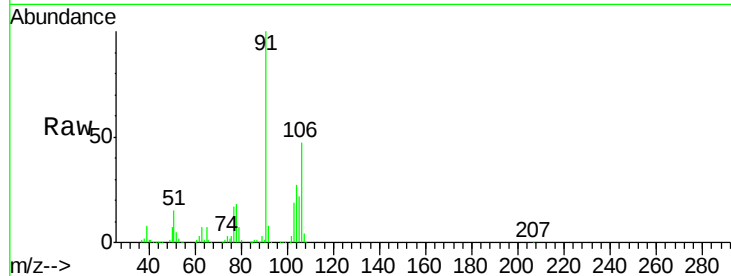
#69
o-Xylene
Concen: 19.674 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.2	104.5	313.3	

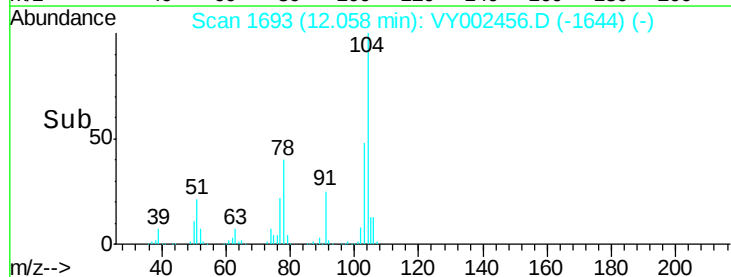
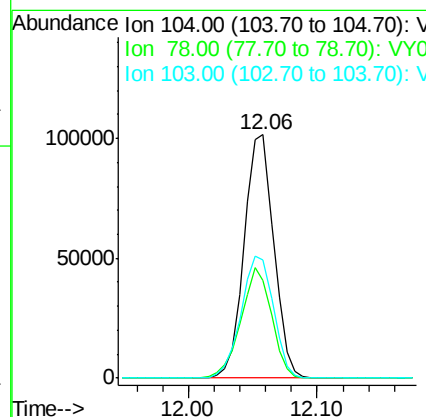
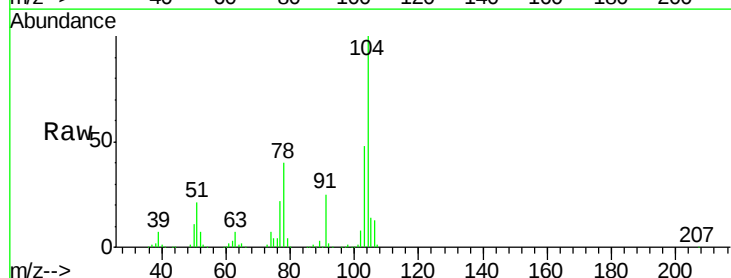
Manual Integrations
APPROVED

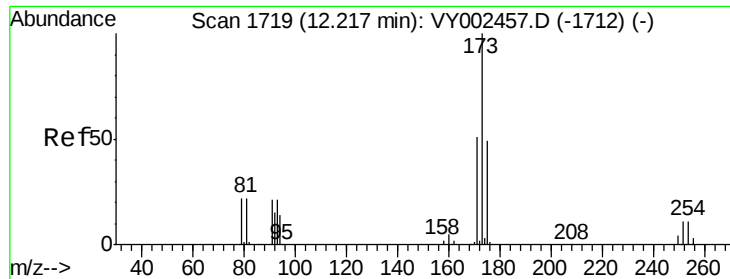
MMDadoda
4/24/2020 1:33:28 PM



#70
Styrene
Concen: 19.726 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	38.0	57.0	
103	55.1	44.4	66.6	





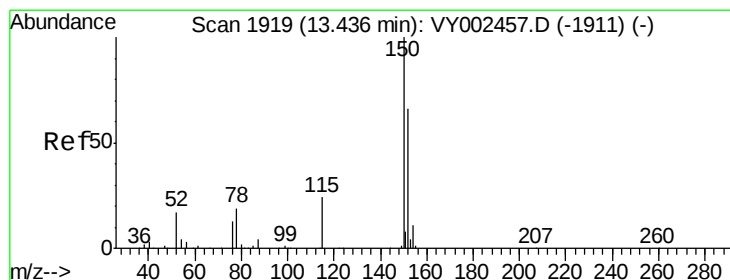
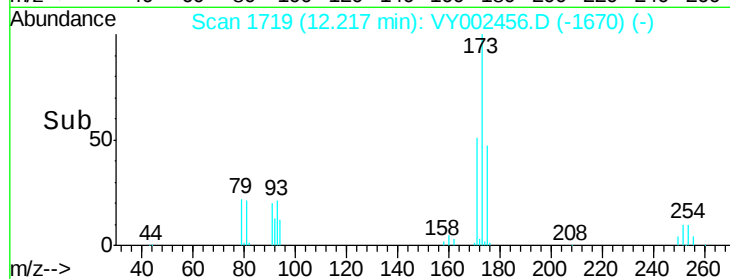
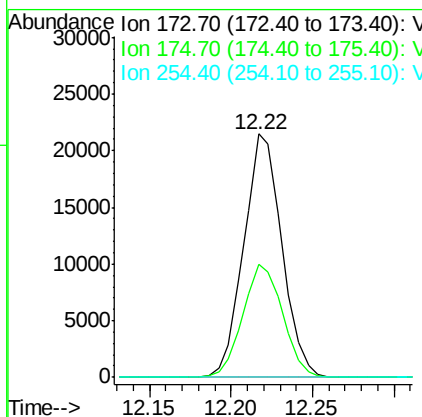
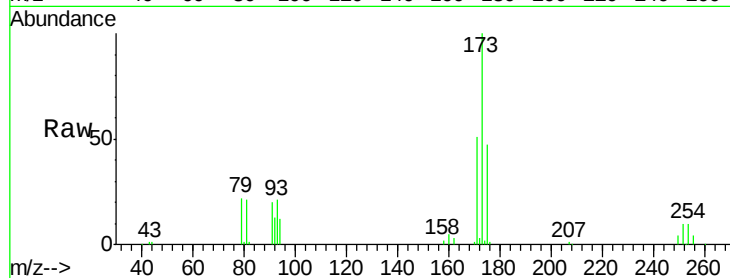
#71
Bromoform
Concen: 20.292 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.0	0.1	0.1#

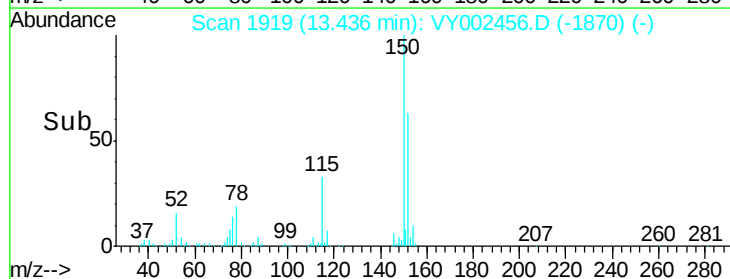
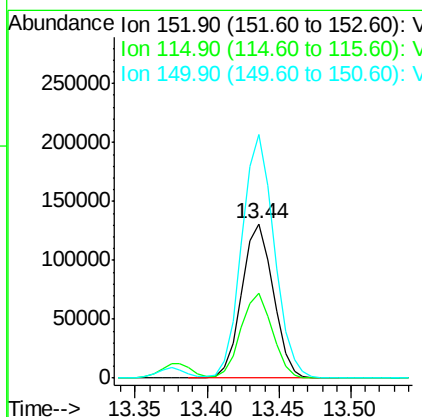
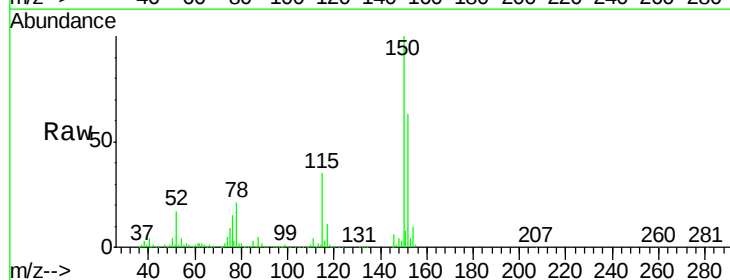
Manual Integrations
APPROVED

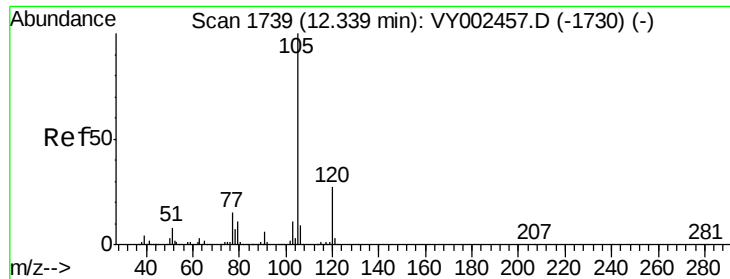
MMDadoda
4/24/2020 1:33:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.3	81.8
150	163.1	0.0	346.8





#73

Isopropylbenzene

Concen: 19.901 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 256029

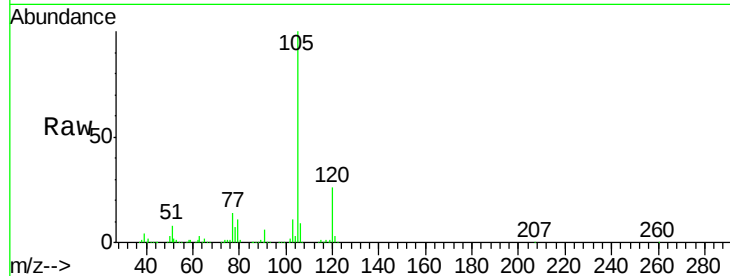
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:28 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

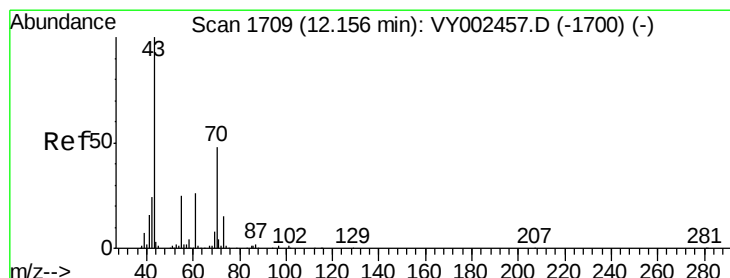
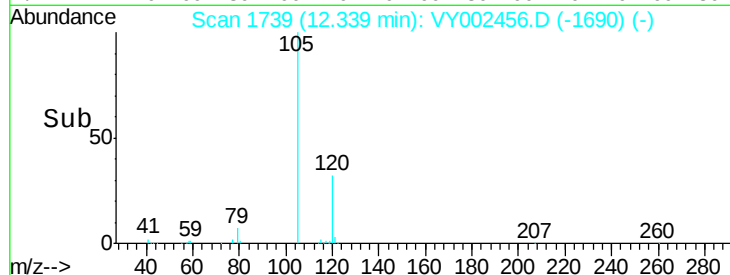
100000

50000

0

12.30 12.34 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.437 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion: 43 Resp: 61307

Ion Ratio Lower Upper

43 100

70 47.0 37.2 55.8

55 25.3 19.6 29.4

61 27.1 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

50000

40000

30000

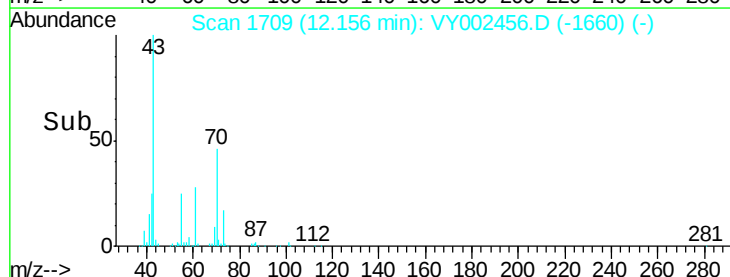
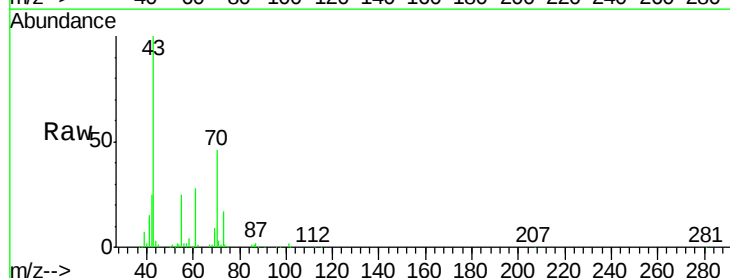
20000

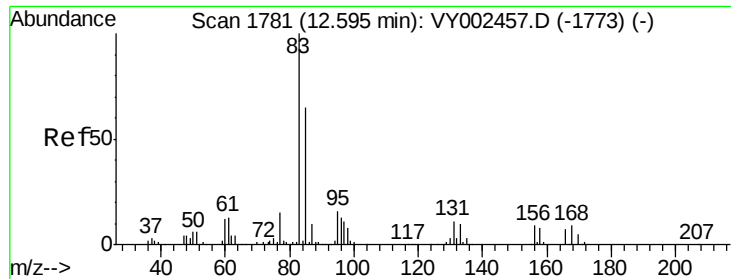
10000

0

12.10 12.15 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.986 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

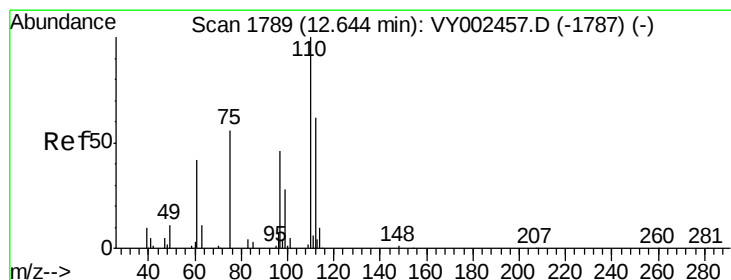
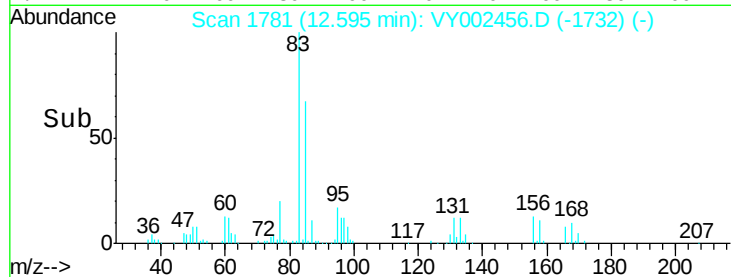
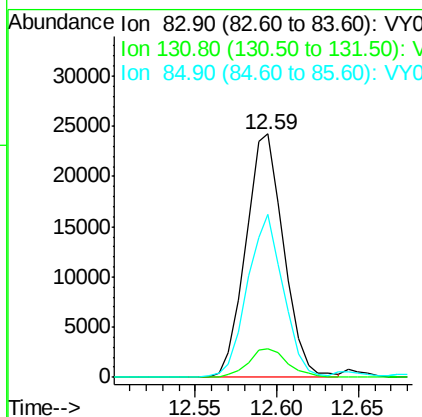
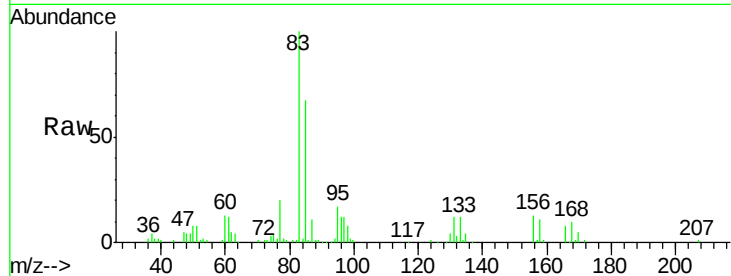
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	39181
Ion Ratio	Lower	Upper	
83	100		
131	12.3	6.2	18.6
85	63.5	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 11.723 ug/l m

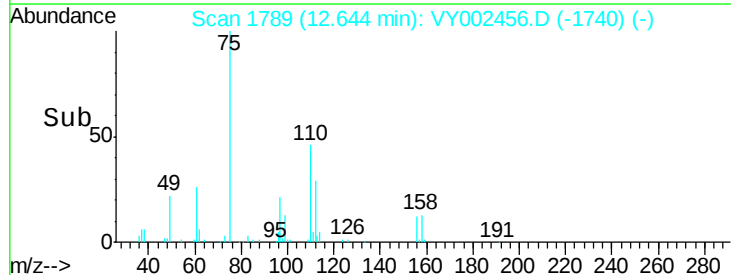
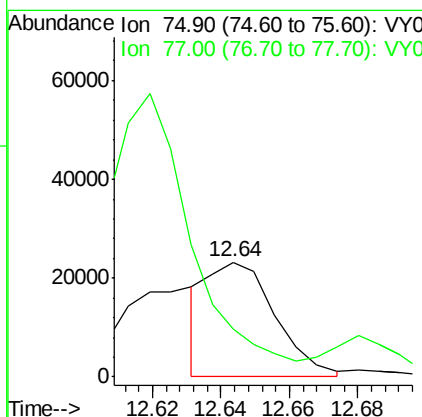
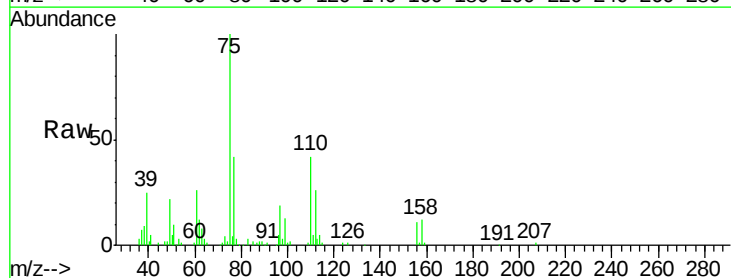
RT: 12.64 min Scan# 1789

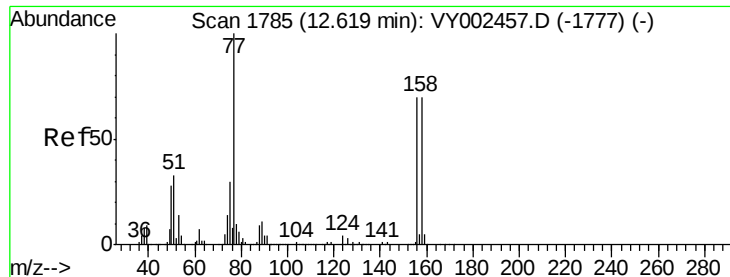
Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	75	Resp:	32127
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.002 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 64578

Ion Ratio Lower Upper

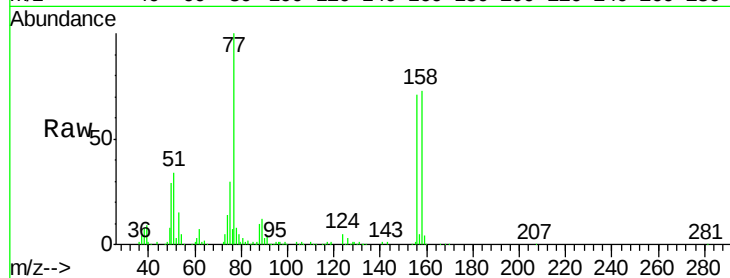
156 100

77 157.7 78.5 235.7

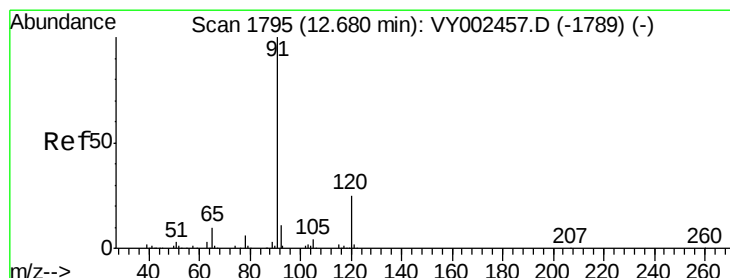
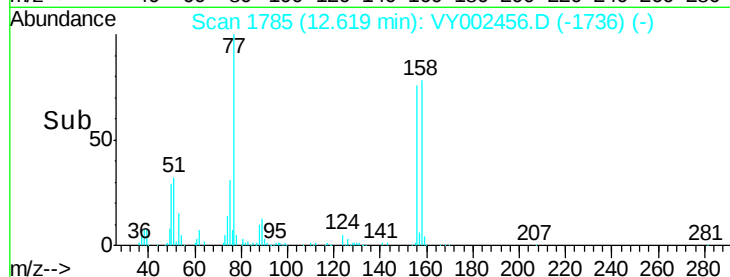
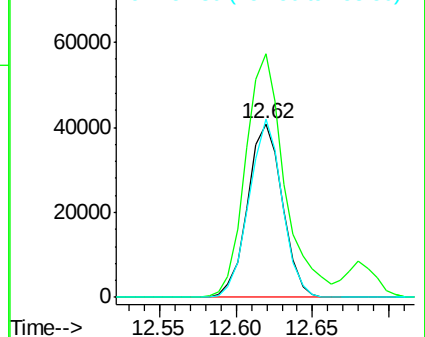
158 97.6 48.4 145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.684 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002456.D

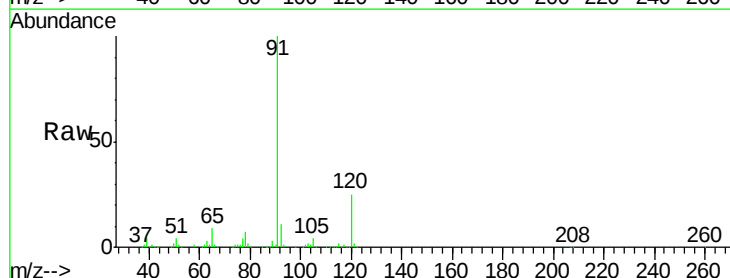
Acq: 23 Apr 2020 12:04

Tgt Ion: 91 Resp: 294819

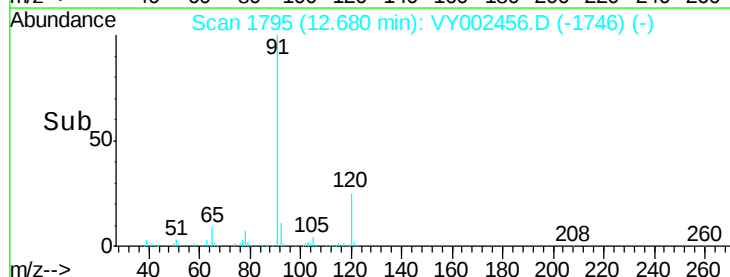
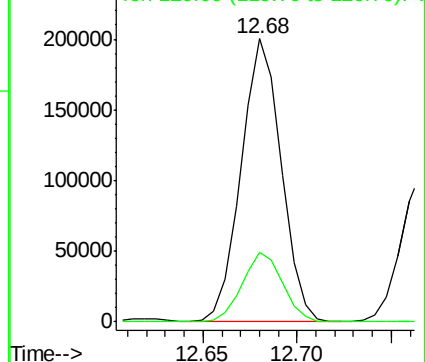
Ion Ratio Lower Upper

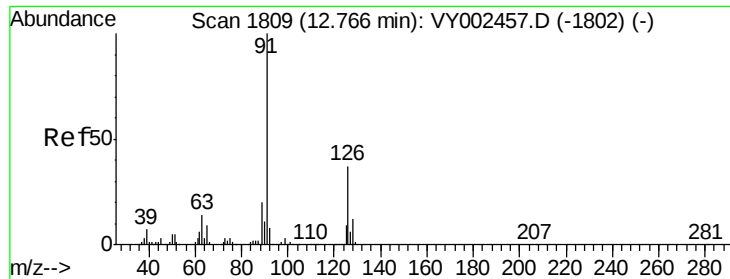
91 100

120 24.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.486 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 159246

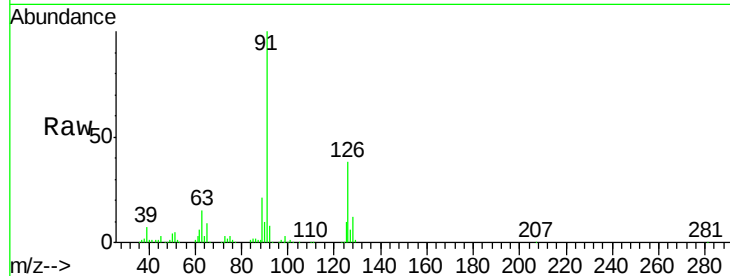
Ion Ratio Lower Upper

91 100

126 37.7 18.5 55.5

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Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002457.D (-1802) (-)

200000

150000

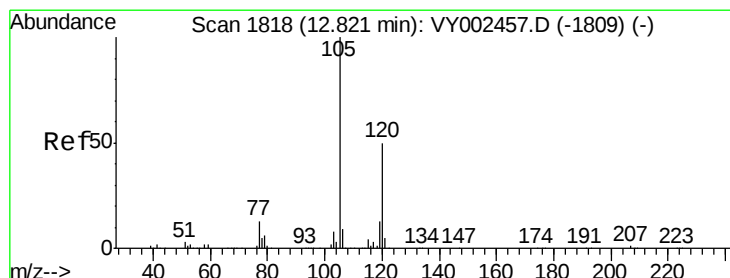
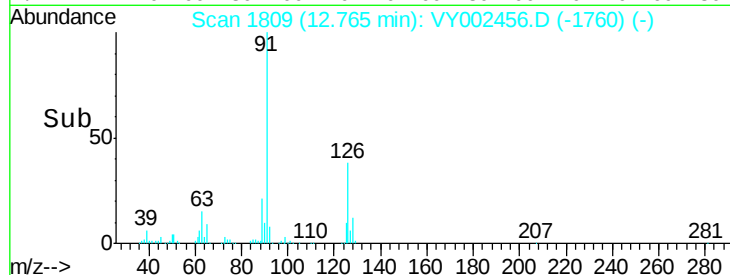
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002456.D

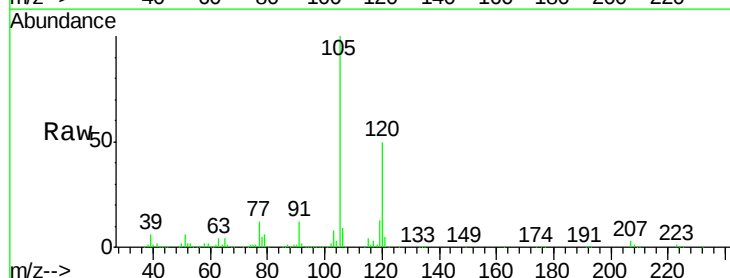
Acq: 23 Apr 2020 12:04

Tgt Ion: 105 Resp: 214233

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY002457.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002457.D (-1809) (-)

150000

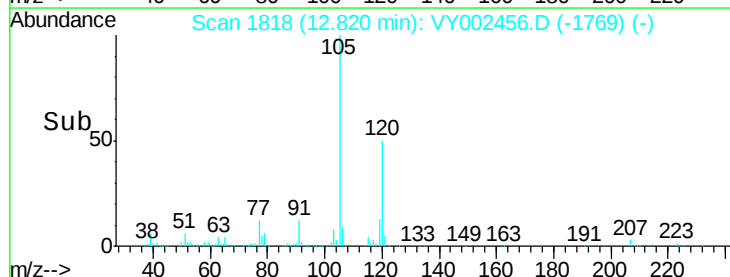
100000

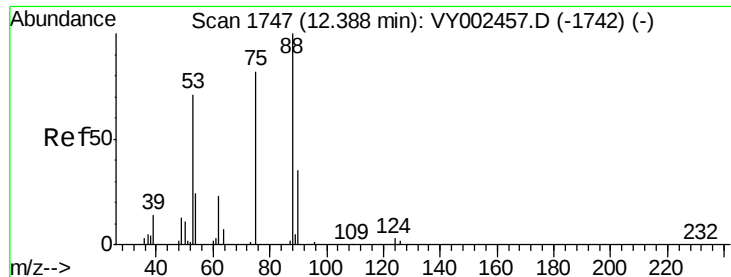
50000

0

12.75 12.80 12.85 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.737 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

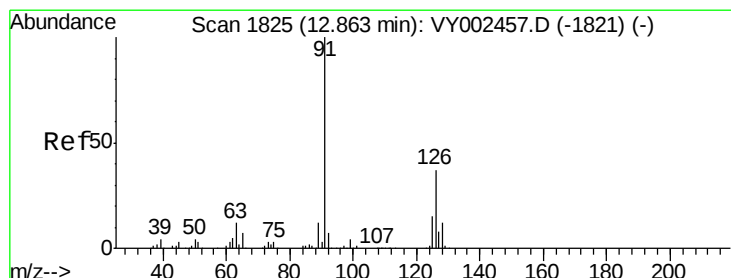
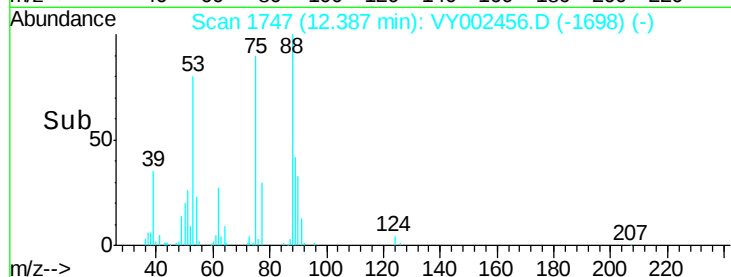
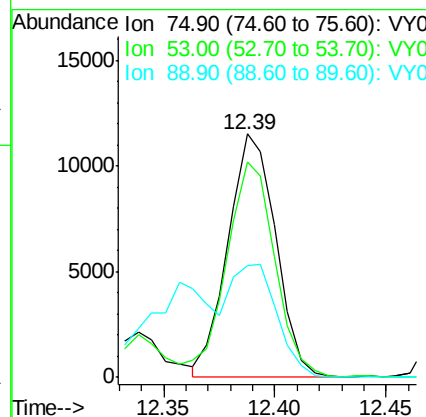
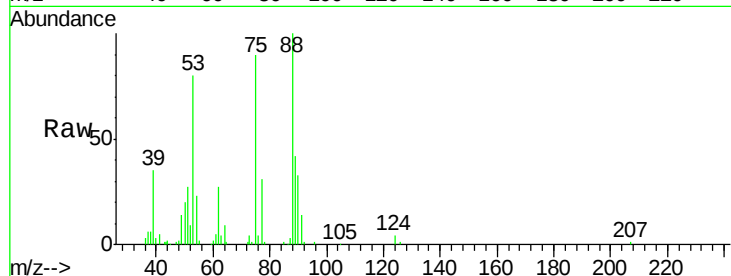
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	17215
Ion	Ratio	Lower	Upper
75	100		
53	90.2	70.0	105.0
89	44.7	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.554 ug/l

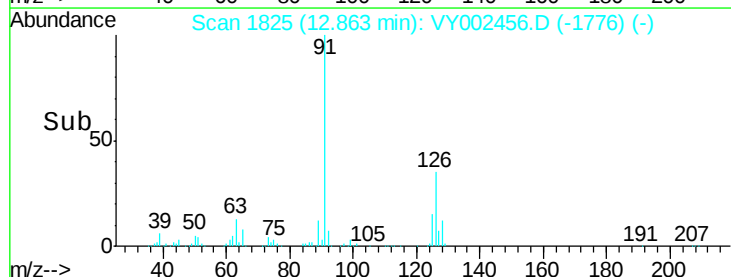
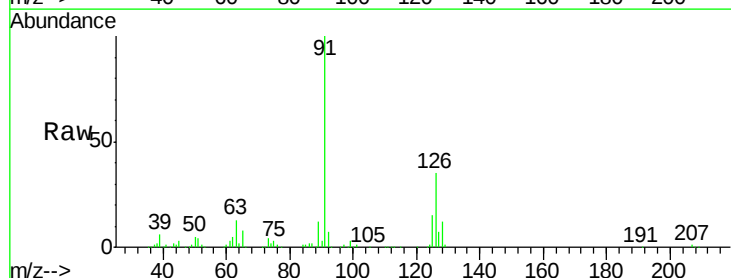
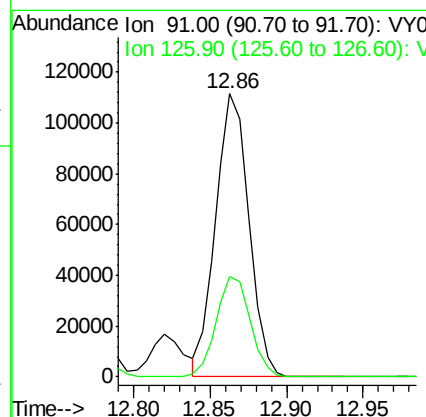
RT: 12.86 min Scan# 1825

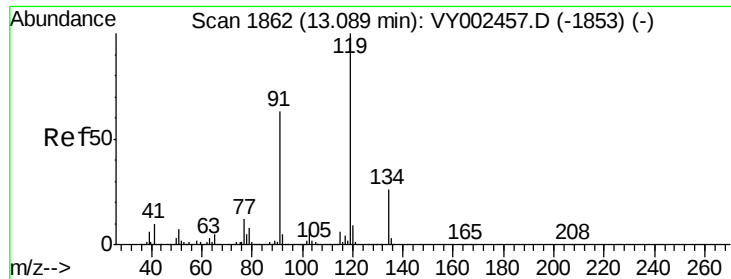
Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	91	Resp:	168608
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5





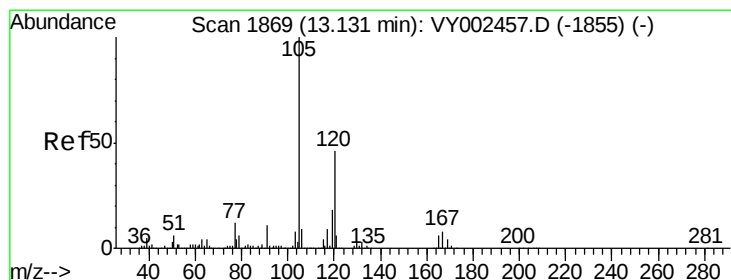
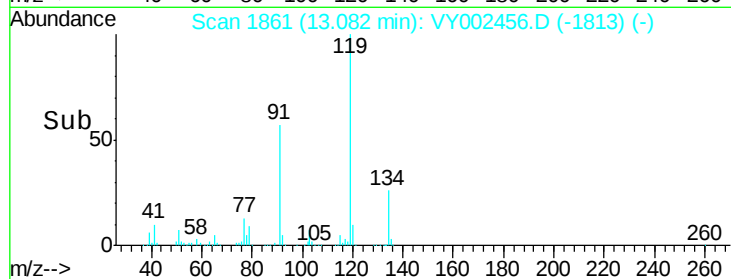
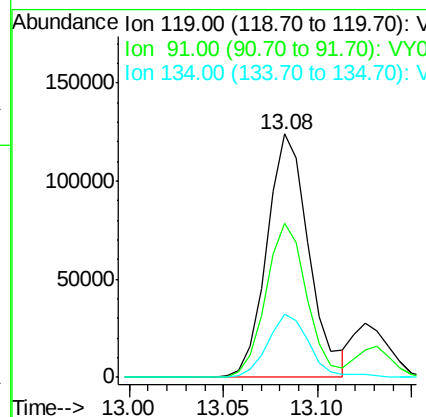
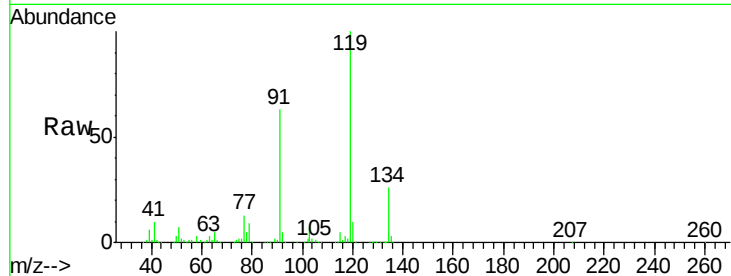
#83
 tert-Butylbenzene
 Concen: 19.800 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190975		
91	61.7	30.8	92.3	
134	26.1	13.2	39.6	

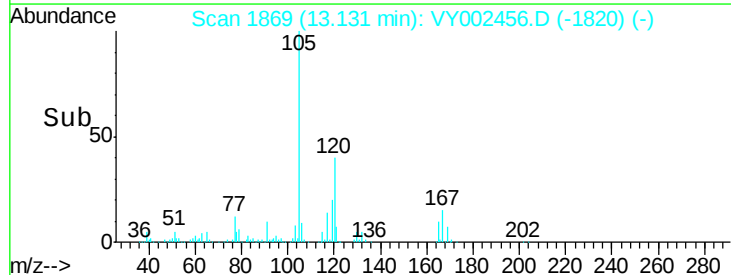
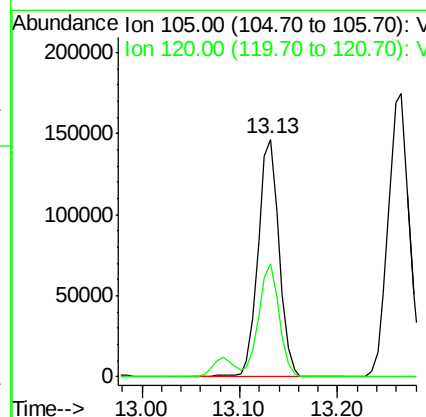
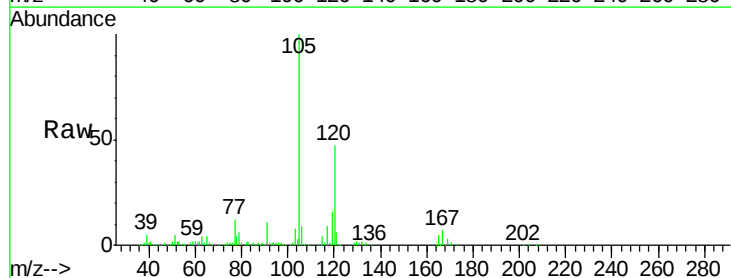
Manual Integrations
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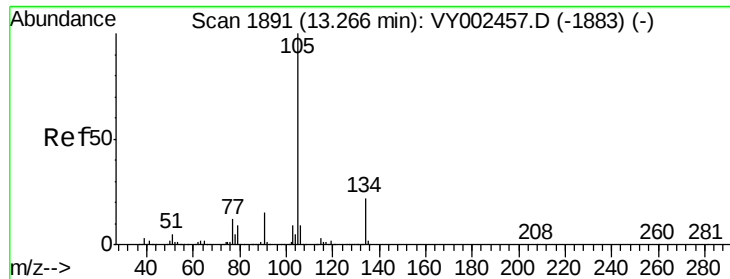
MMDadoda
 4/24/2020 1:33:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.957 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217933		
120	46.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.703 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 259485

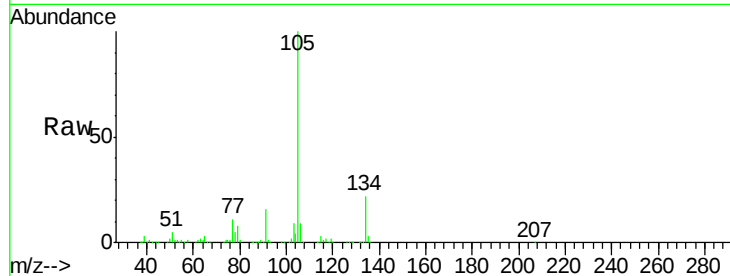
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3

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

13.27

200000

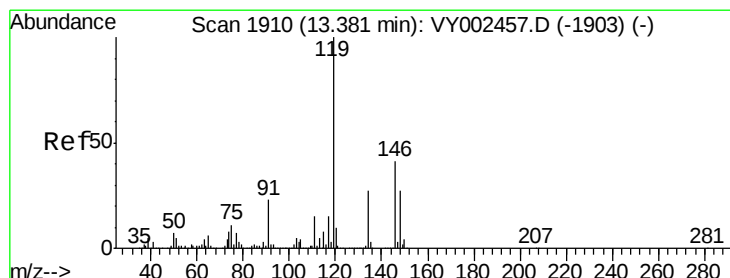
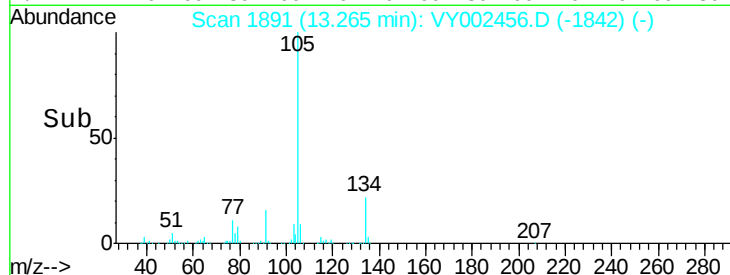
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.860 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

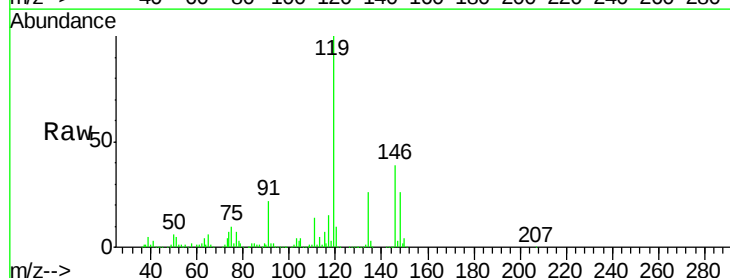
Tgt Ion:119 Resp: 247566

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.5 11.5 34.4



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

200000

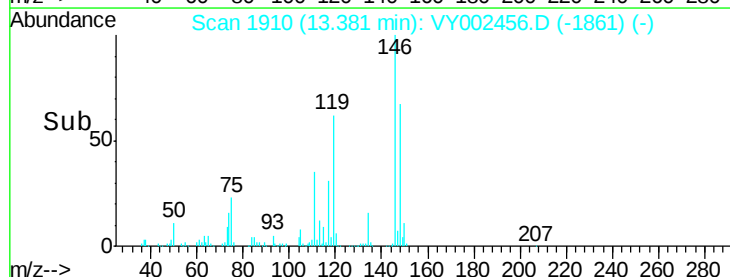
150000

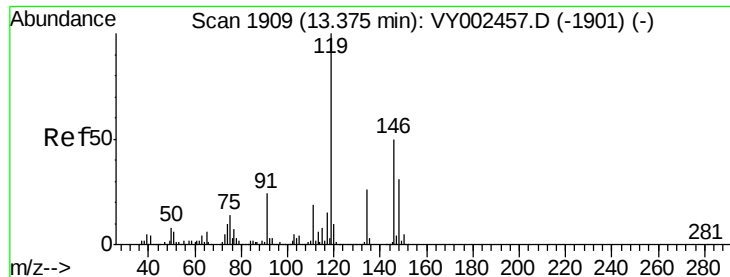
100000

50000

0

Time-->





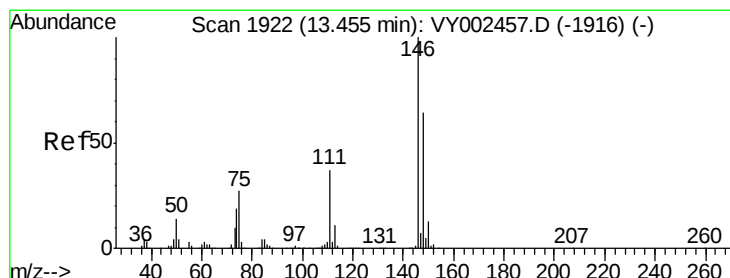
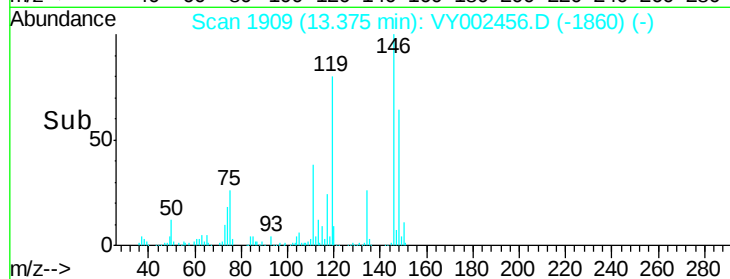
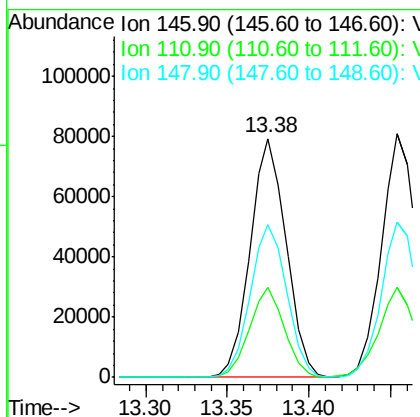
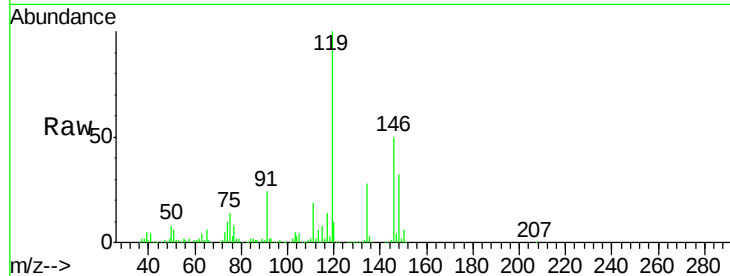
#87
 1,3-Dichlorobenzene
 Concen: 19.684 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	64.7	32.0	96.0

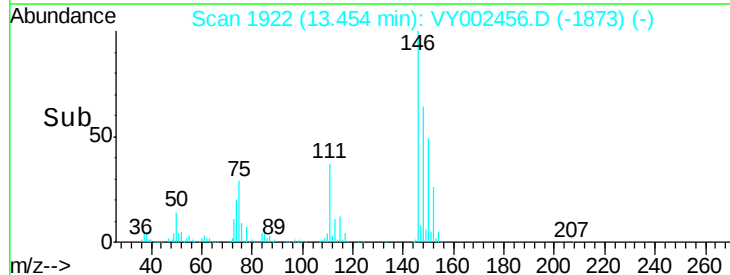
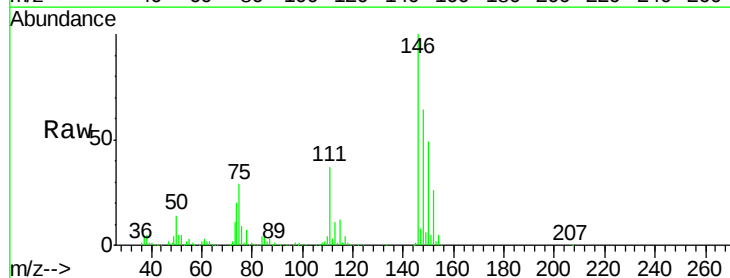
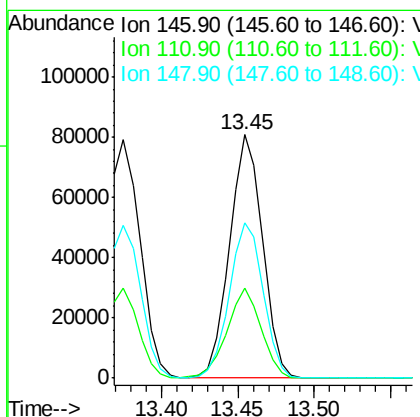
Manual Integrations
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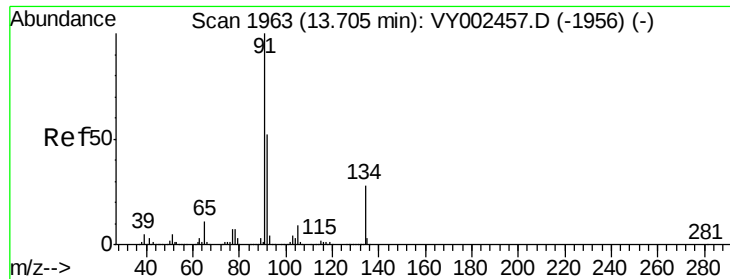
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#88
 1,4-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	65.5	32.1	96.5





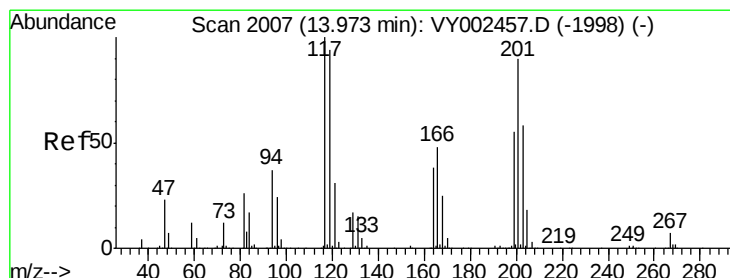
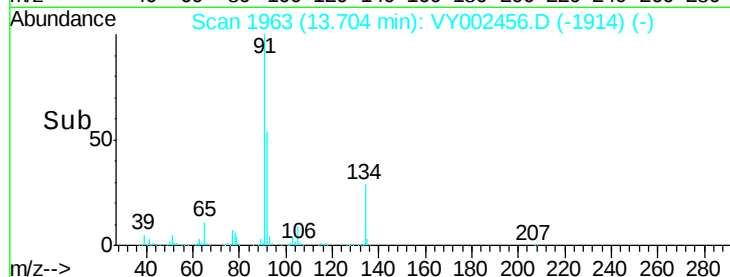
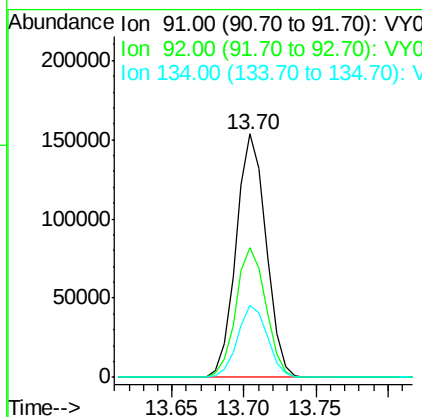
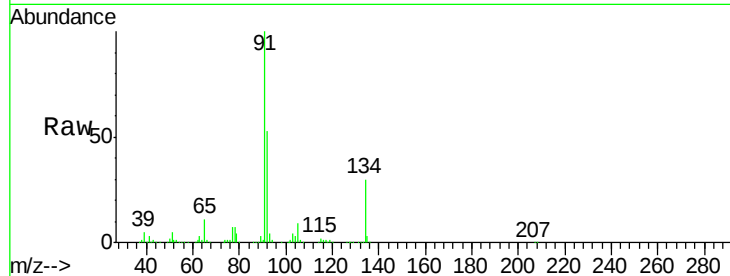
#89
n-Butylbenzene
Concen: 19.544 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.4
134	29.2	14.3	42.9

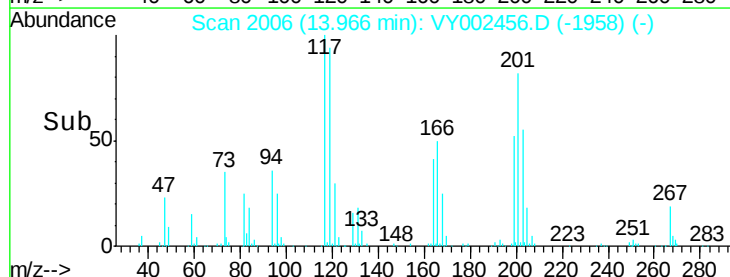
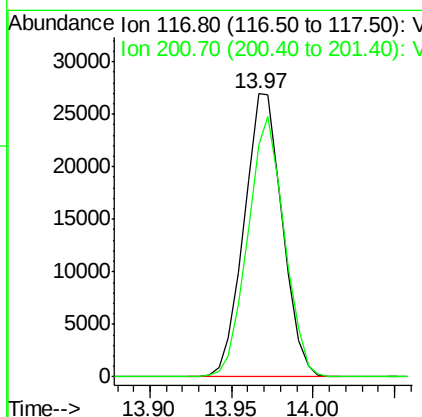
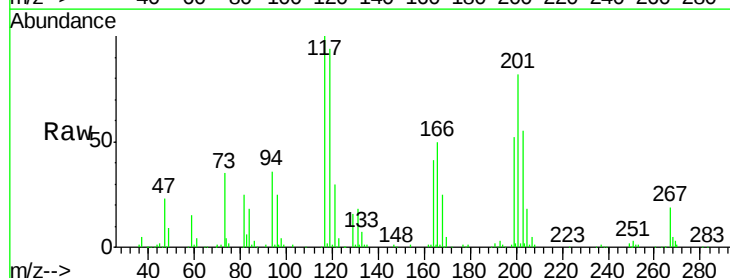
Manual Integrations
APPROVED

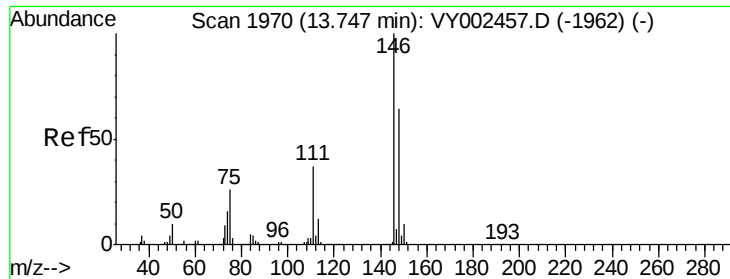
MMDadoda
4/24/2020 1:33:28 PM



#90
Hexachloroethane
Concen: 19.694 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 19.762 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Instrument :

MSVOA_Y

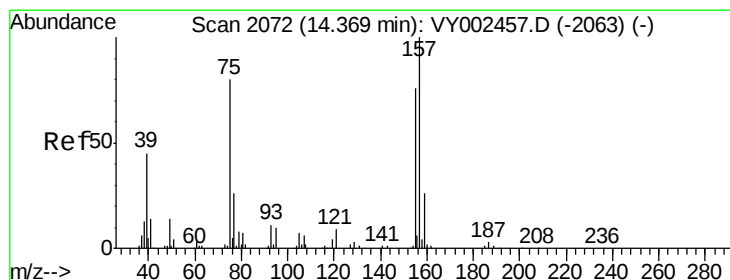
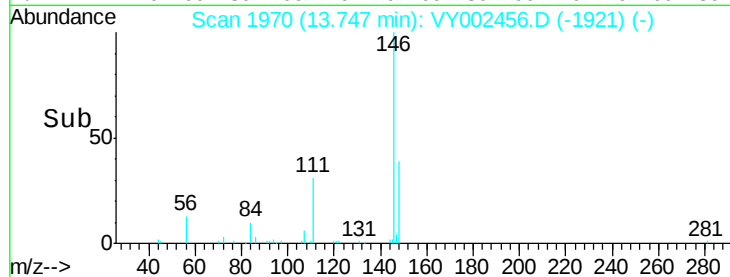
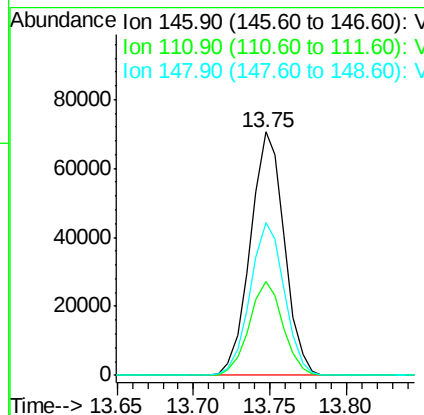
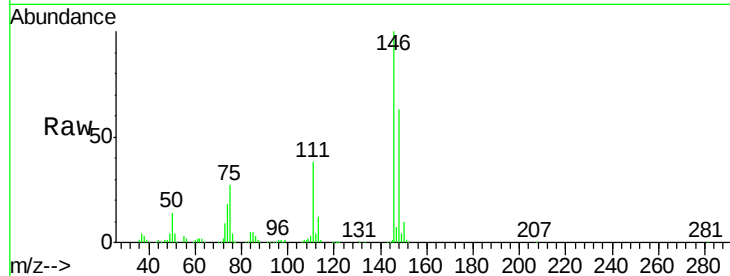
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	109036
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	63.3	31.6	94.7

Manual Integrations
APPROVED

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4/24/2020 1:33:28 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.253 ug/l

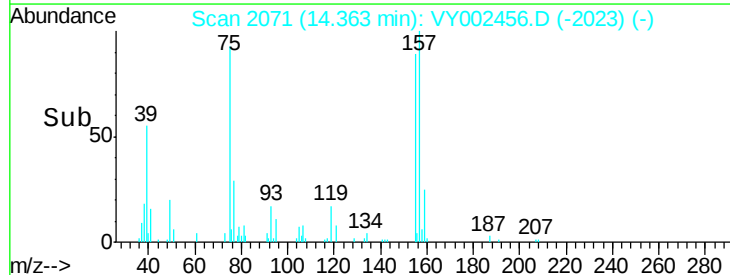
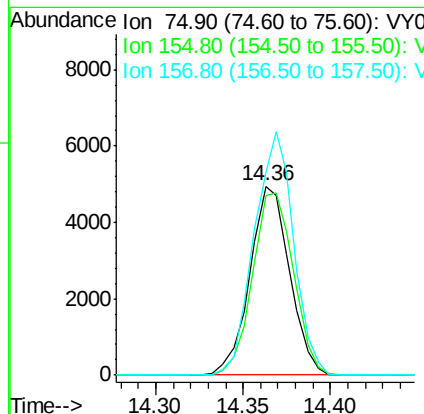
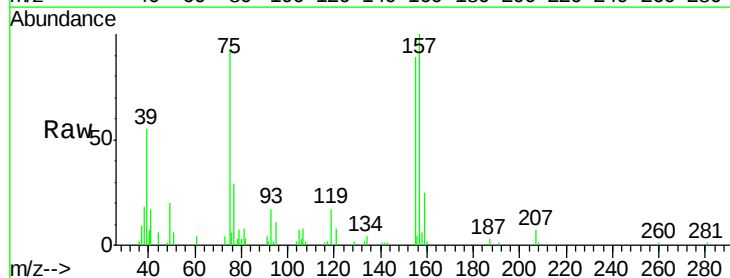
RT: 14.36 min Scan# 2071

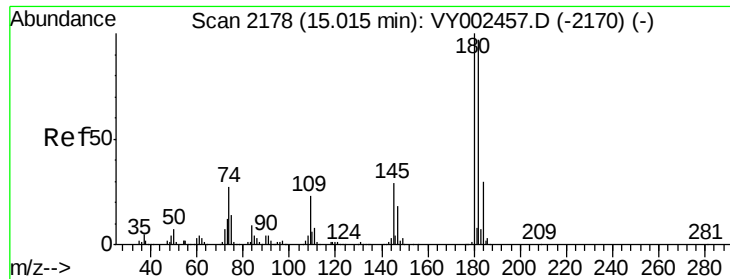
Delta R.T. -0.01 min

Lab File: VY002456.D

Acq: 23 Apr 2020 12:04

Tgt Ion:	75	Resp:	7872
Ion Ratio	Lower	Upper	
75	100		
155	99.1	49.6	149.0
157	127.5	62.6	187.9





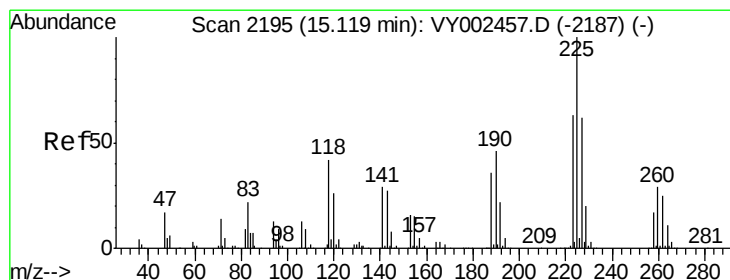
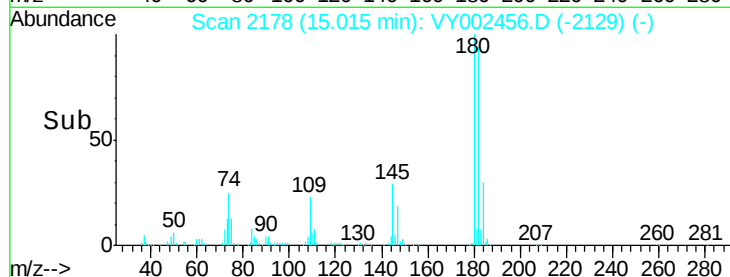
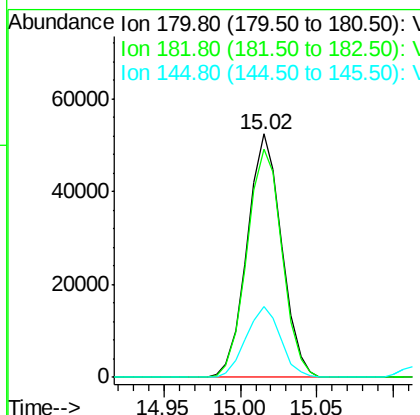
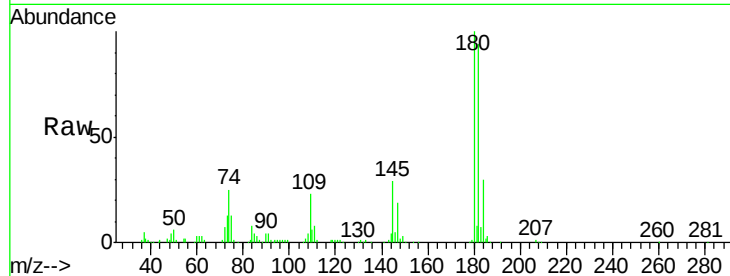
#93
 1,2,4-Trichlorobenzene
 Concen: 20.085 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82048		
182	95.6	47.9	143.7	
145	29.3	14.2	42.6	

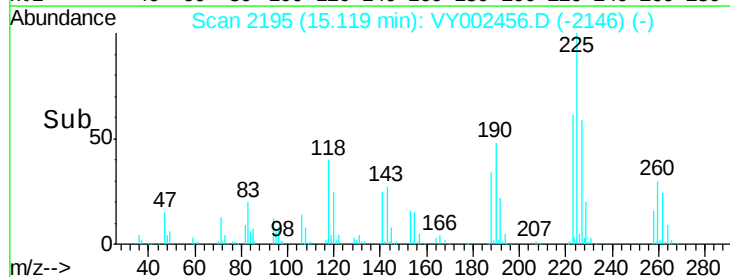
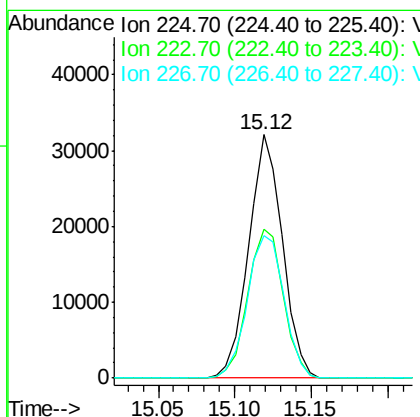
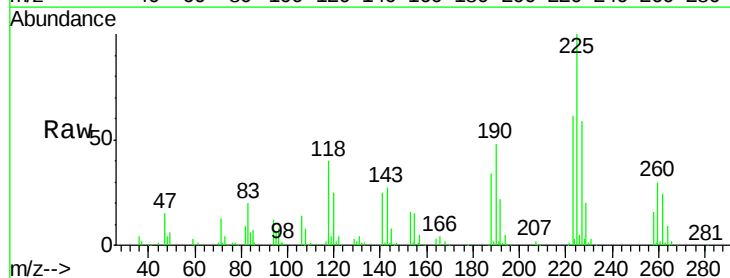
Manual Integrations
 APPROVED

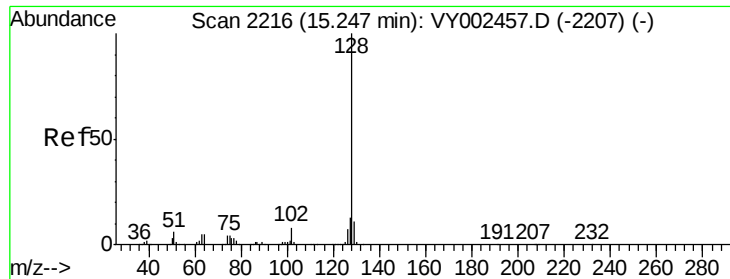
MMDadoda
 4/24/2020 1:33:28 PM



#94
 Hexachlorobutadiene
 Concen: 19.882 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002456.D
 Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49377		
223	64.4	31.1	93.3	
227	63.7	31.5	94.5	





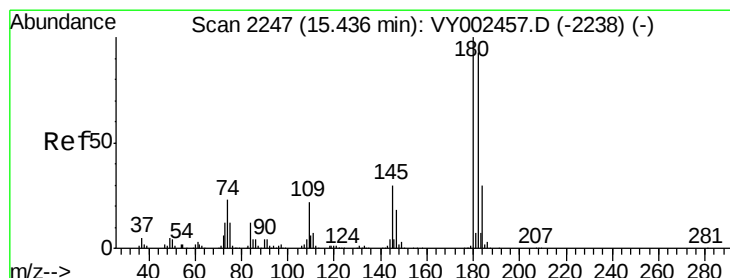
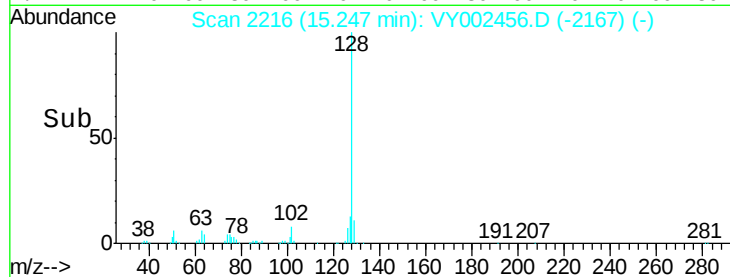
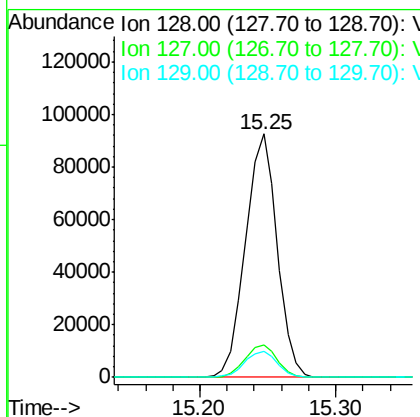
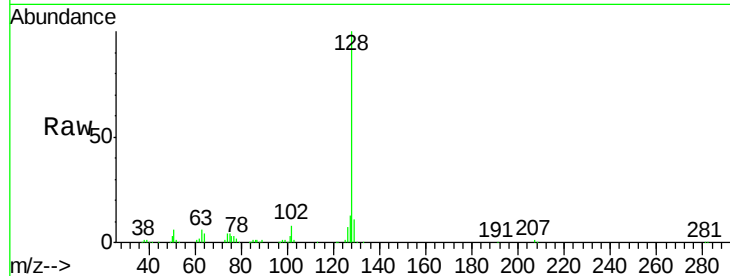
#95
Naphthalene
Concen: 20.349 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	151082		
127	13.3	10.5	15.7	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.185 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002456.D
Acq: 23 Apr 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69465		
182	95.7	47.5	142.6	
145	29.7	15.3	45.9	

