

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003156.D
 Acq On : 10 Jul 2020 11:07
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:30 AM

Quant Time: Jul 10 12:52:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	498212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	713921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	654799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	350803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	21958	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
35) Dibromofluoromethane	7.72	113	21244	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
50) Toluene-d8	10.18	98	81266	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.48	95	31250	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	18409	5.038	ug/l	95
3) Chloromethane	2.12	50	27549	5.073	ug/l	92
4) Vinyl Chloride	2.26	62	25887	4.913	ug/l	96
5) Bromomethane	2.65	94	19692	5.428	ug/l	99
6) Chloroethane	2.80	64	16604	4.919	ug/l	92
7) Trichlorofluoromethane	3.13	101	37343	5.013	ug/l	96
8) Diethyl Ether	3.54	74	12289	4.818	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	22339	5.004	ug/l	99
10) Methyl Iodide	4.09	142	18528	3.401	ug/l	96
11) Tert butyl alcohol	4.96	59	12302	25.237	ug/l	95
12) 1,1-Dichloroethene	3.87	96	20899	4.920	ug/l	95
13) Acrolein	3.73	56	11519	26.194	ug/l	99
14) Allyl chloride	4.48	41	30261	4.159	ug/l	97
15) Acrylonitrile	5.18	53	28146	21.668	ug/l	98
16) Acetone	3.95	43	23273	20.921	ug/l #	86
17) Carbon Disulfide	4.20	76	61953	4.592	ug/l	100
18) Methyl Acetate	4.49	43	13498	4.466	ug/l #	76
19) Methyl tert-butyl Ether	5.22	73	55988	4.555	ug/l	98
20) Methylene Chloride	4.72	84	37461	5.833	ug/l	92
21) trans-1,2-Dichloroethene	5.23	96	22875	4.741	ug/l	89
22) Diisopropyl ether	6.13	45	62020	3.953	ug/l	98
23) Vinyl Acetate	6.07	43	201298	19.282	ug/l	98
24) 1,1-Dichloroethane	6.04	63	37605	4.357	ug/l	96
25) 2-Butanone	7.00	43	37097	20.866	ug/l	99
26) 2,2-Dichloropropane	6.99	77	35006	4.466	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	25263	4.677	ug/l	99
28) Bromochloromethane	7.34	49	15233	4.021	ug/l	93
29) Tetrahydrofuran	7.35	42	23776	20.075	ug/l	95
30) Chloroform	7.51	83	39759	4.629	ug/l	94
31) Cyclohexane	7.79	56	41149	4.844	ug/l #	66
32) 1,1,1-Trichloroethane	7.71	97	35653	4.557	ug/l	99
36) 1,1-Dichloropropene	7.92	75	32470	4.801	ug/l	99
37) Ethyl Acetate	7.08	43	14524	3.646	ug/l #	89
38) Carbon Tetrachloride	7.91	117	31165	4.427	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	38874	4.636	ug/l	96
40) Benzene	8.17	78	85504	4.616	ug/l	91
41) Methacrylonitrile	7.33	41	9813m	4.622	ug/l	
42) 1,2-Dichloroethane	8.24	62	27005	4.640	ug/l	98
43) Isopropyl Acetate	8.28	43	31878	4.207	ug/l	98
44) Trichloroethene	8.94	130	27185	5.006	ug/l	91
45) 1,2-Dichloropropane	9.22	63	22548	4.544	ug/l	97
46) Dibromomethane	9.31	93	12880	4.620	ug/l	97
47) Bromodichloromethane	9.50	83	29986	4.414	ug/l	93
48) Methyl methacrylate	9.29	41	13795	3.999	ug/l	97
49) 1,4-Dioxane	9.29	88	3262	94.747	ug/l #	88
51) 4-Methyl-2-Pentanone	10.07	43	80497	20.513	ug/l	99
52) Toluene	10.24	92	55112	4.710	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	30455	4.283	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	35858	4.410	ug/l	92
55) 1,1,2-Trichloroethane	10.64	97	18559	4.808	ug/l	98
56) Ethyl methacrylate	10.51	69	22914	4.124	ug/l	96
57) 1,3-Dichloropropane	10.79	76	31801	4.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	61969	21.999	ug/l	97
59) 2-Hexanone	10.83	43	56287	20.546	ug/l	98
60) Dibromochloromethane	10.99	129	22405	4.524	ug/l	100
61) 1,2-Dibromoethane	11.09	107	18818	4.926	ug/l	98
64) Tetrachloroethene	10.72	164	29435	5.334	ug/l	98
65) Chlorobenzene	11.52	112	62104	4.868	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	23953	4.825	ug/l	96
67) Ethyl Benzene	11.59	91	105935	4.549	ug/l	99
68) m/p-Xylenes	11.70	106	81400	9.397	ug/l	98
69) o-Xylene	12.03	106	37734	4.619	ug/l	97
70) Styrene	12.04	104	61867	4.431	ug/l	98
71) Bromoform	12.20	173	15268	4.629	ug/l #	98
73) Isopropylbenzene	12.33	105	107233	4.723	ug/l	99
74) N-amyl acetate	12.14	43	27115	3.758	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	20858	4.590	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	15304m	4.538	ug/l	
77) Bromobenzene	12.61	156	27052	4.653	ug/l	98
78) n-propylbenzene	12.67	91	124119	4.557	ug/l	99
79) 2-Chlorotoluene	12.75	91	70463	4.636	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	89629	4.710	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7368	4.246	ug/l	98
82) 4-Chlorotoluene	12.85	91	74091	4.684	ug/l	100
83) tert-Butylbenzene	13.07	119	77144	4.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	89419	4.662	ug/l	99
85) sec-Butylbenzene	13.25	105	109163	4.741	ug/l	99
86) p-Isopropyltoluene	13.37	119	99253	4.646	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	51765	4.767	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	52127	4.869	ug/l	92
89) n-Butylbenzene	13.70	91	95182	4.669	ug/l	99
90) Hexachloroethane	13.96	117	17429	4.153	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	45734	4.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3621	4.603	ug/l	95

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ClientSampleId :
VSTDICC005

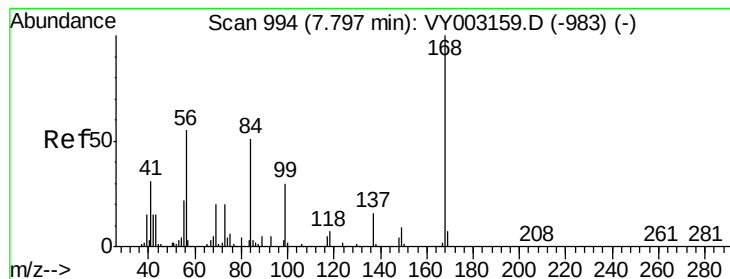
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32931	4.600	ug/l	96
94) Hexachlorobutadiene	15.11	225	23977	5.247	ug/l	97
95) Naphthalene	15.23	128	52199	4.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	26153	4.283	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 498212

Ion Ratio Lower Upper

168 100

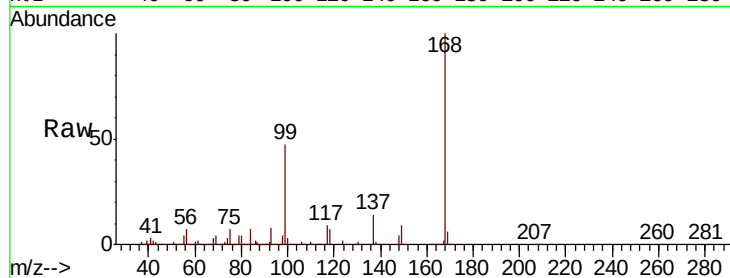
99 47.0 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003156.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003156.D (-945) (-)

7.80

250000

200000

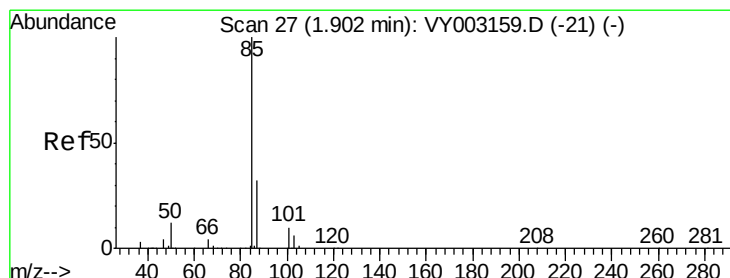
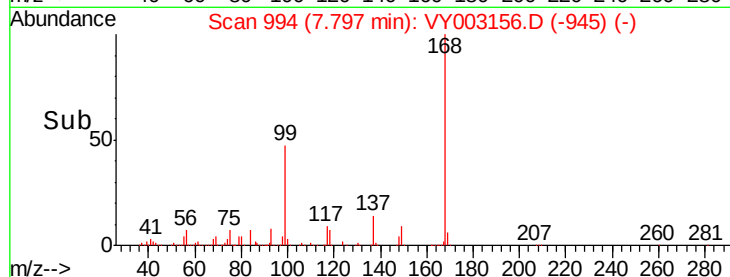
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.038 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003156.D

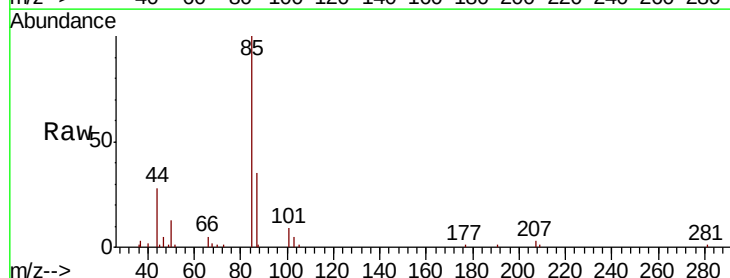
Acq: 10 Jul 2020 11:07

Tgt Ion: 85 Resp: 18409

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003156.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003156.D (-1) (-)

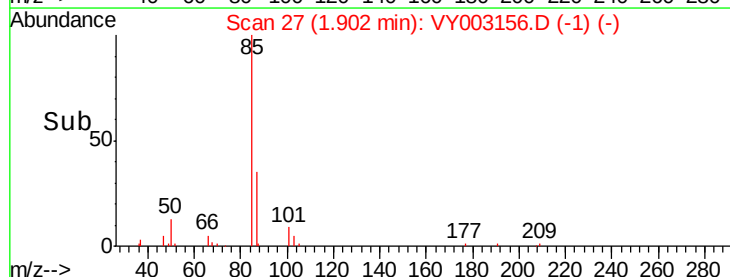
1.90

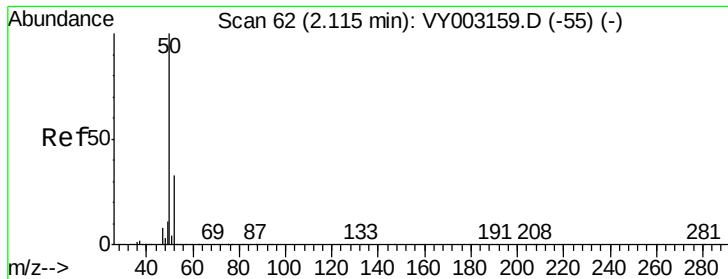
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.073 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27549

Ion Ratio Lower Upper

50 100

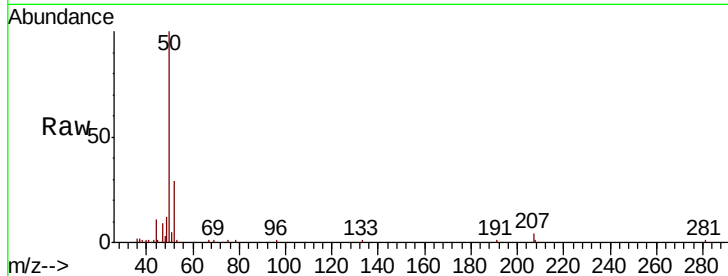
52 28.7 26.6 39.8

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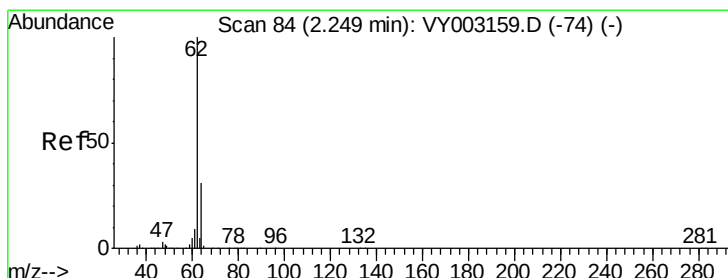
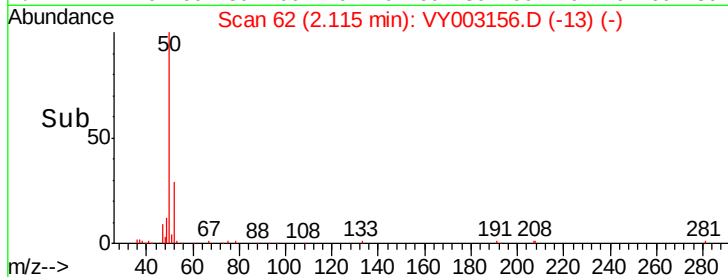
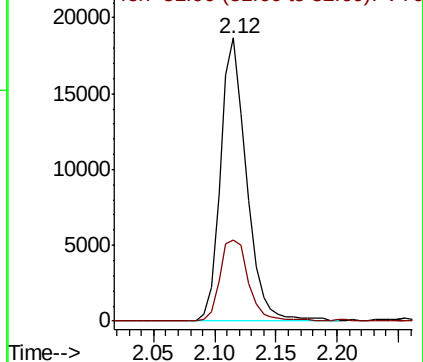
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 4.913 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003156.D

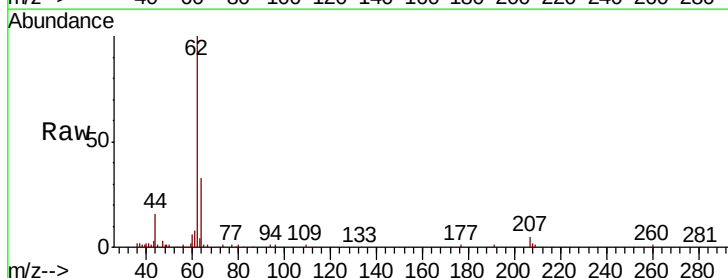
Acq: 10 Jul 2020 11:07

Tgt Ion: 62 Resp: 25887

Ion Ratio Lower Upper

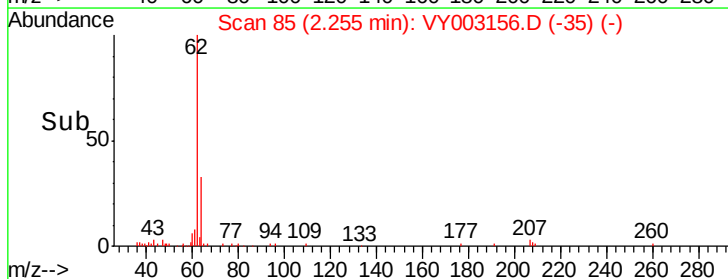
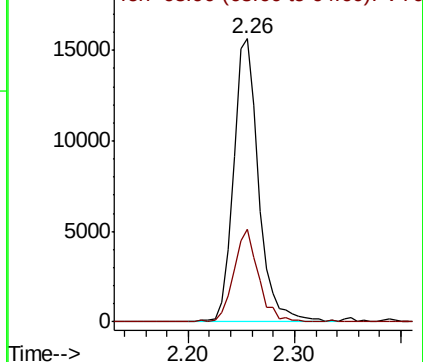
62 100

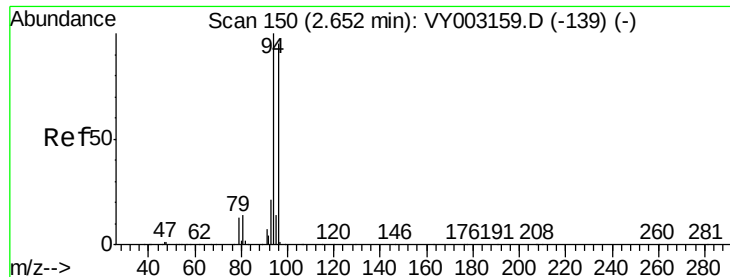
64 32.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.428 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19692

Ion Ratio Lower Upper

94 100

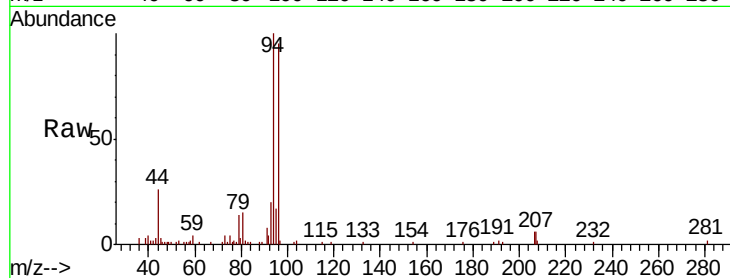
96 93.9 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

10000

8000

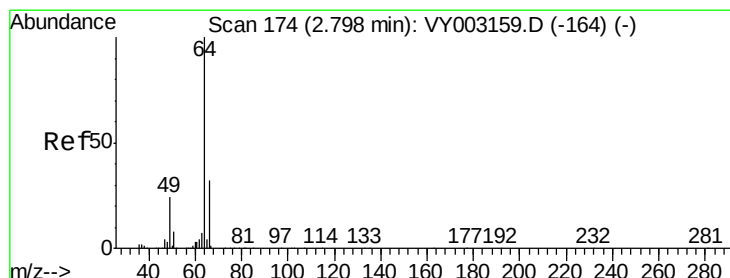
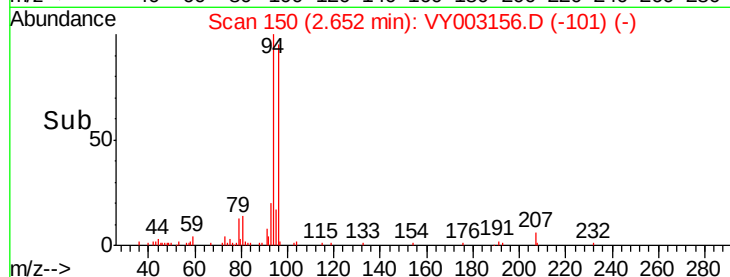
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 4.919 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY003156.D

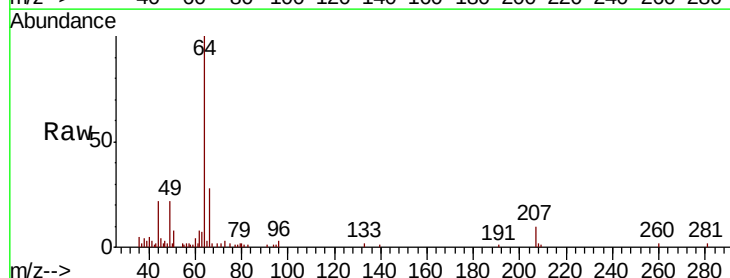
Acq: 10 Jul 2020 11:07

Tgt Ion: 64 Resp: 16604

Ion Ratio Lower Upper

64 100

66 28.0 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

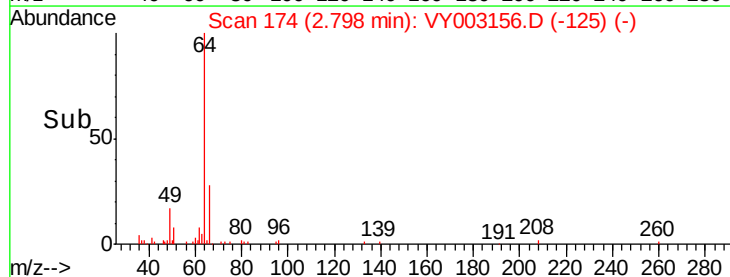
6000

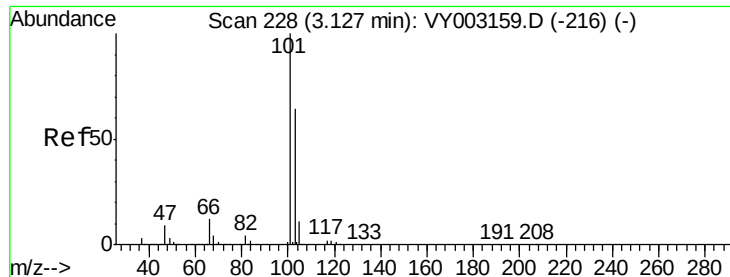
4000

2000

0

Time-->





#7

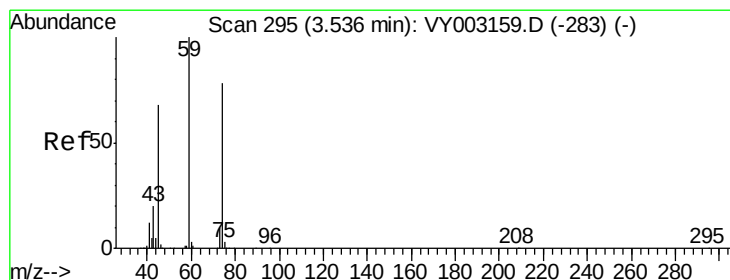
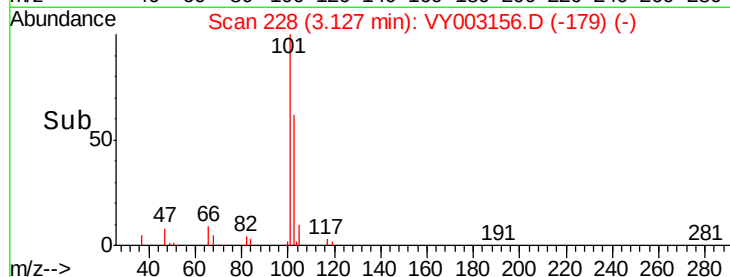
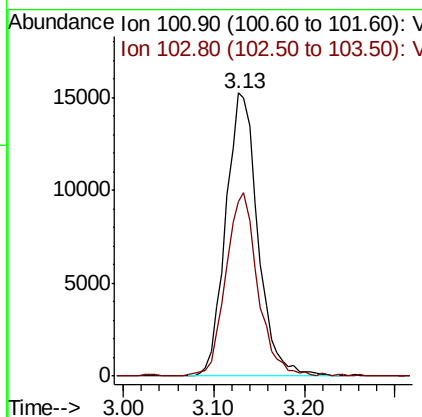
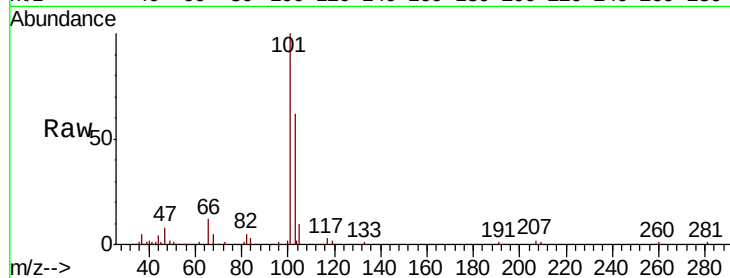
Trichlorofluoromethane
 Concen: 5.013 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.3	76.9

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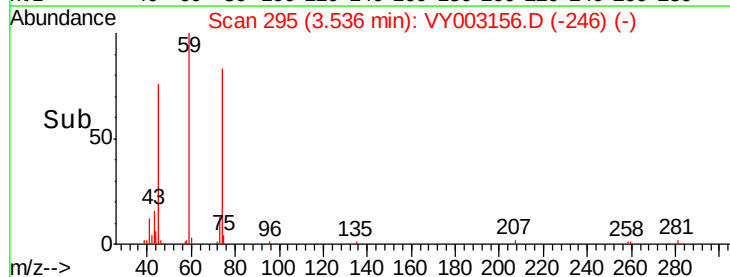
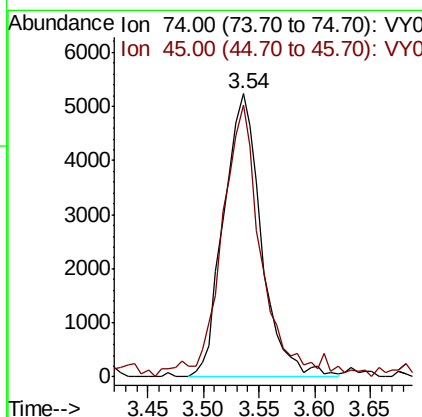
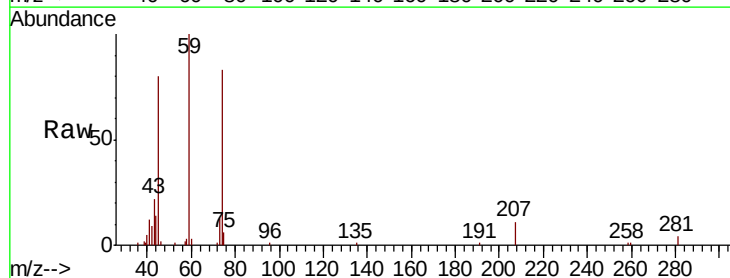
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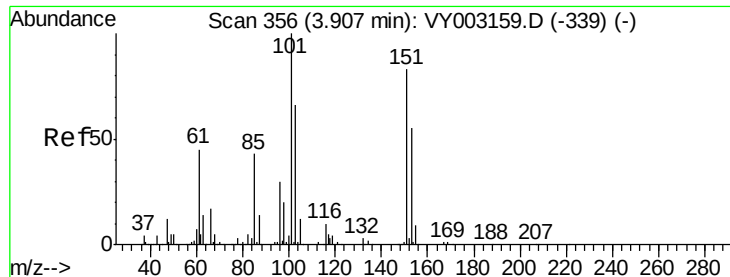


#8

Diethyl Ether
 Concen: 4.818 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.004 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

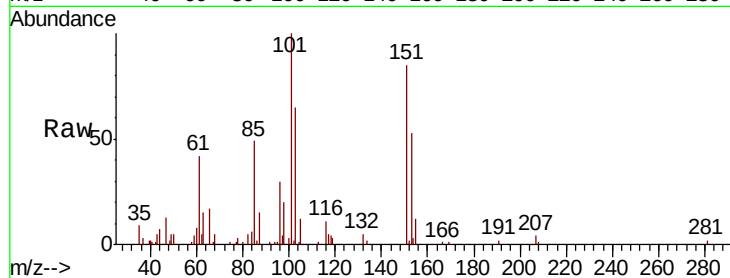
ClientSampleId :

VSTDIC005

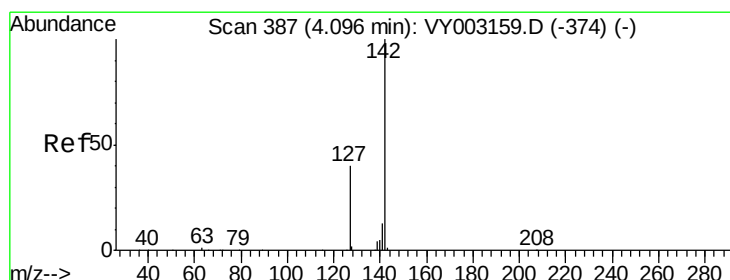
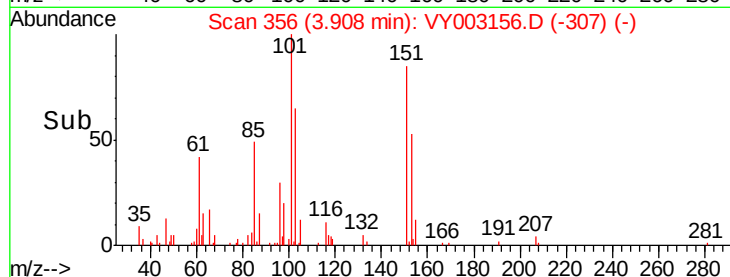
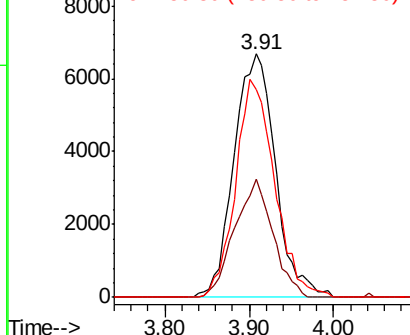
Tot Ion:	101	Resp:	22339
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.9	52.3
151	84.1	67.0	100.6

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



#10

Methyl Iodide

Concen: 3.401 ug/l

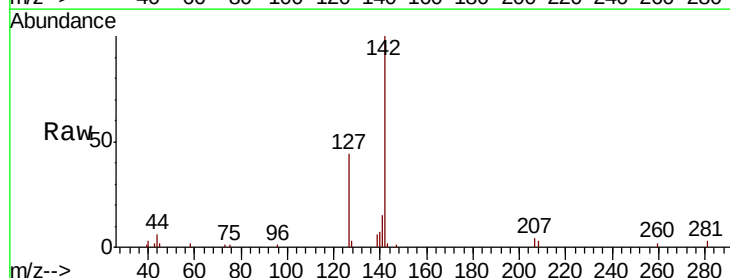
RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

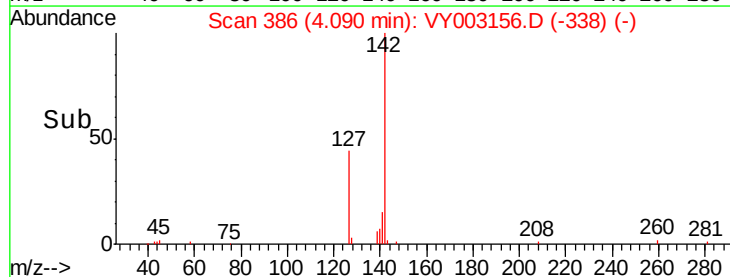
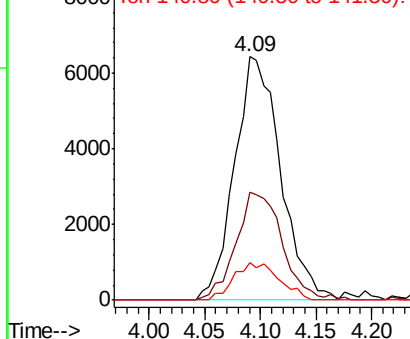
Lab File: VY003156.D

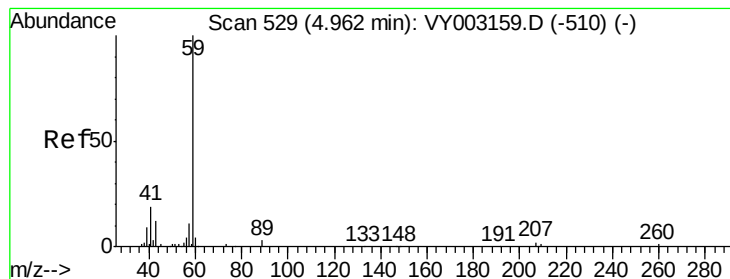
Acq: 10 Jul 2020 11:07

Tgt Ion:	142	Resp:	18528
Ion Ratio	Lower	Upper	
142	100		
127	44.5	33.5	50.3
141	15.0	11.2	16.8



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





#11

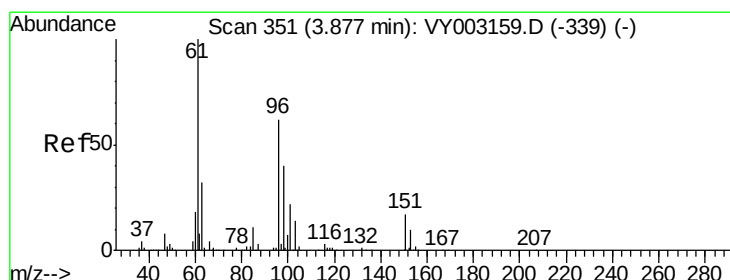
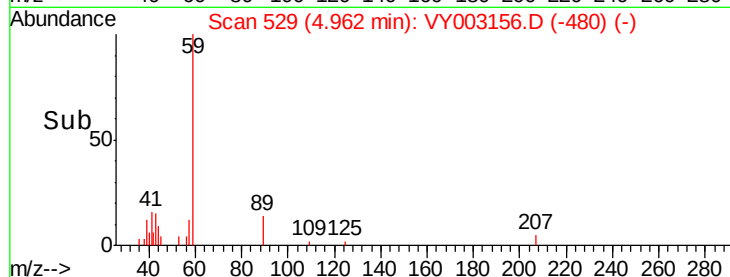
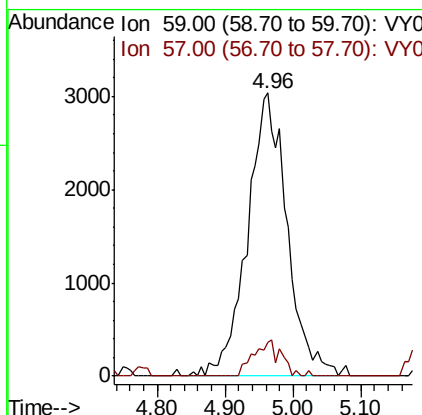
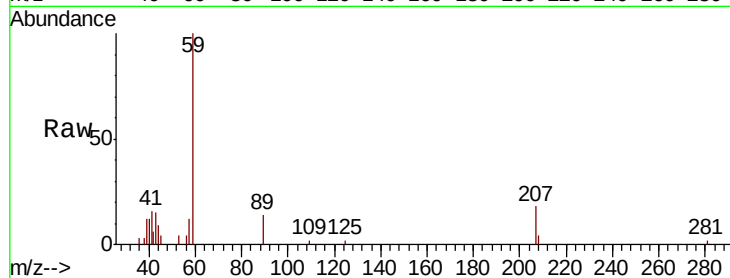
Tert butyl alcohol
Concen: 25.237 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.4	12.6

Manual Integrations
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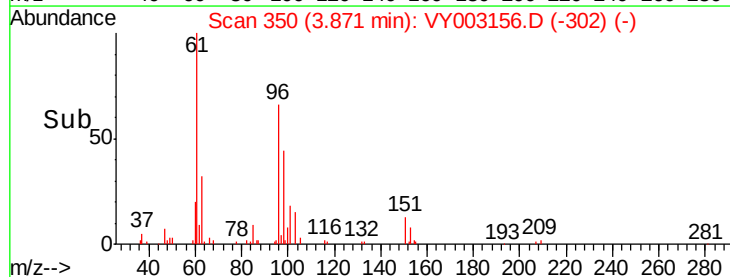
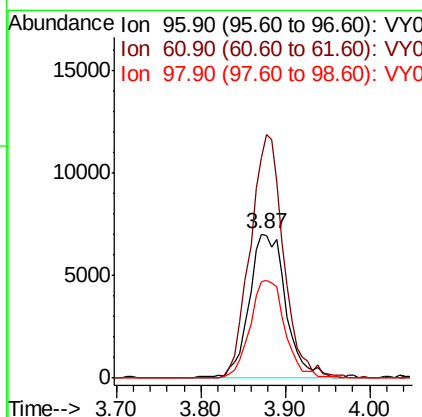
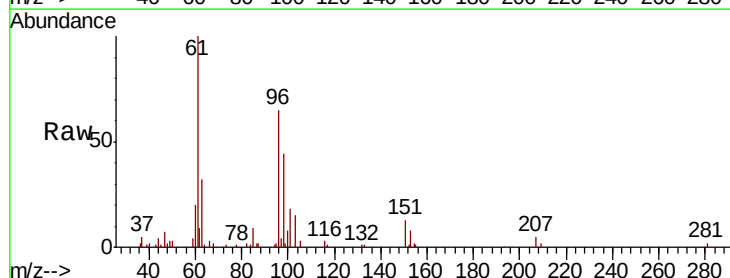
MMDadoda
7/13/2020 10:47:30 AM

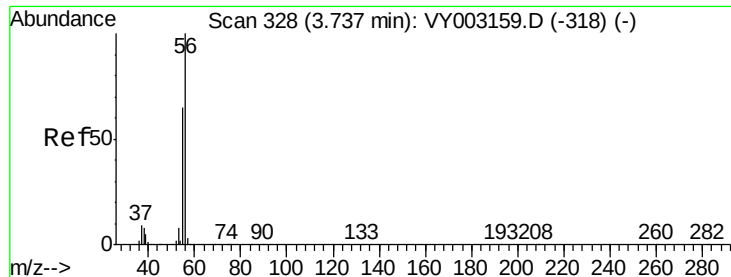


#12

1,1-Dichloroethene
Concen: 4.920 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	128.6	193.0
98	66.7	51.6	77.4





#13

Acrolein

Concen: 26.194 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11519

Ion Ratio Lower Upper

56 100

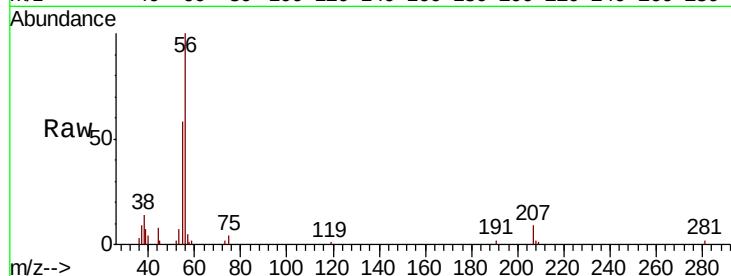
55 69.3 56.0 84.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.73

4000

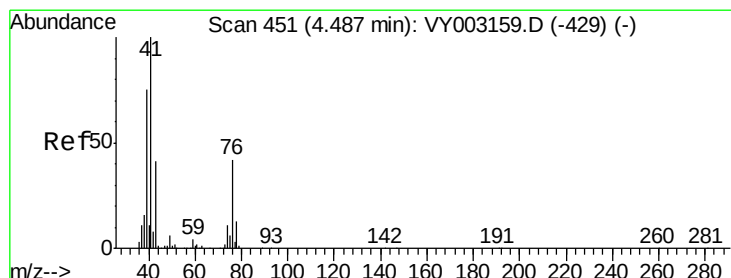
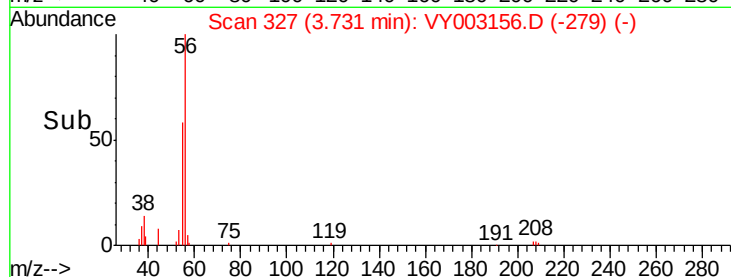
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.159 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

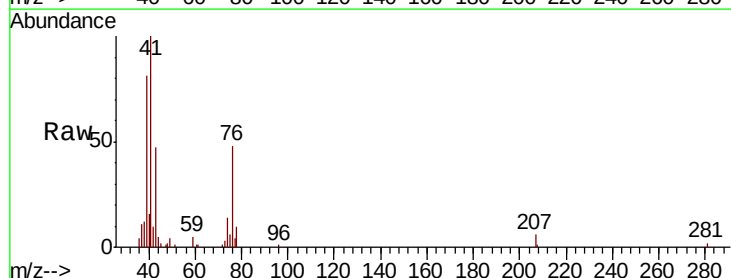
Tgt Ion: 41 Resp: 30261

Ion Ratio Lower Upper

41 100

39 67.9 56.6 85.0

76 41.0 31.6 47.4



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.48

12000

10000

8000

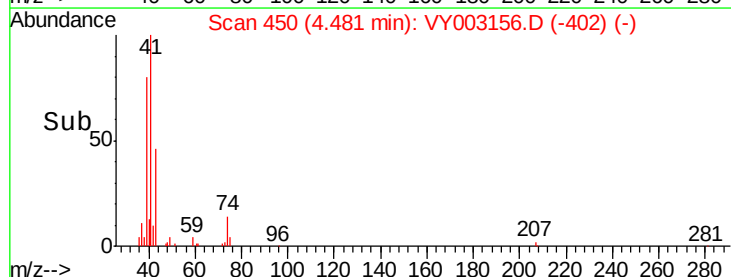
6000

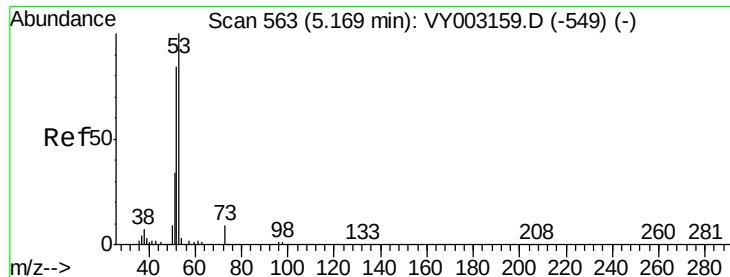
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 21.668 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

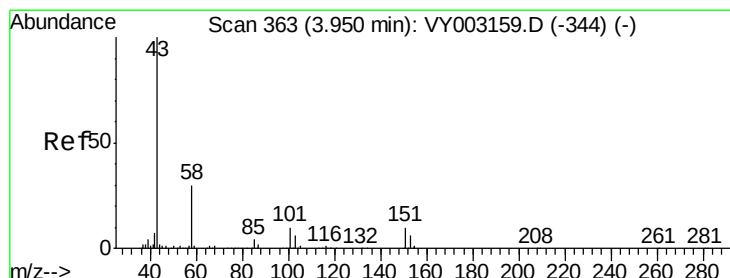
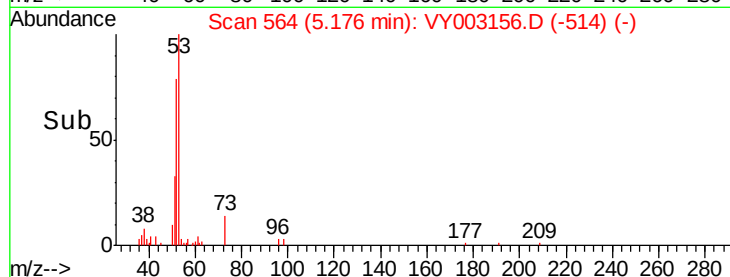
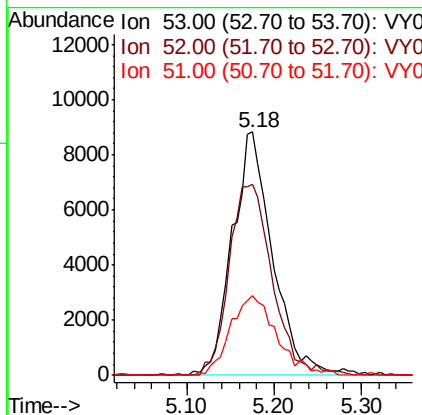
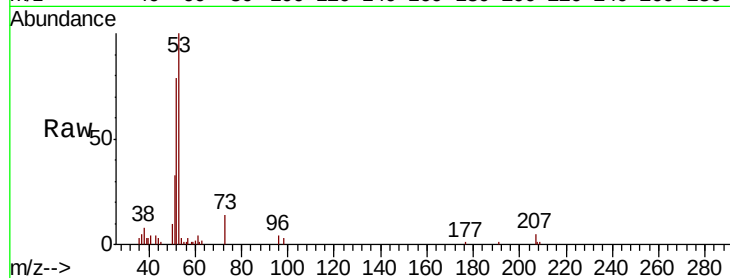
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	28146
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.8	98.6
51	37.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 20.921 ug/l

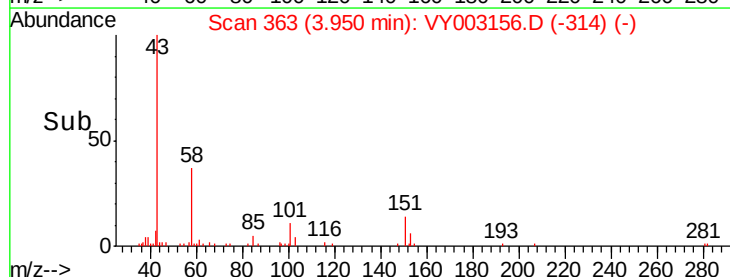
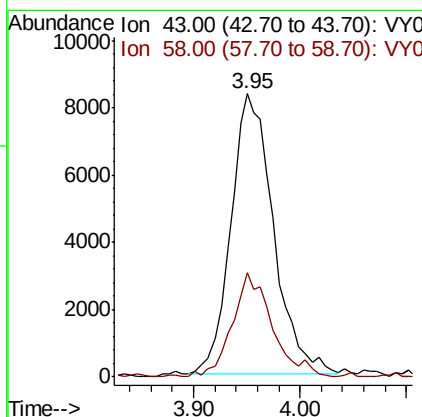
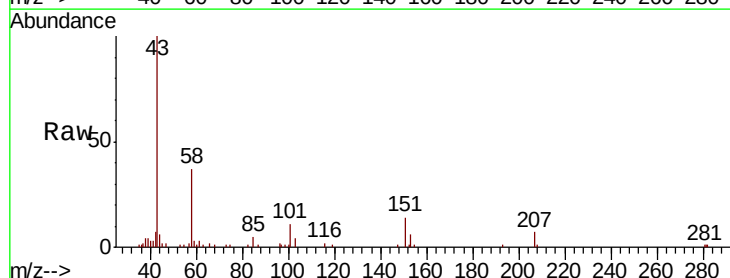
RT: 3.95 min Scan# 363

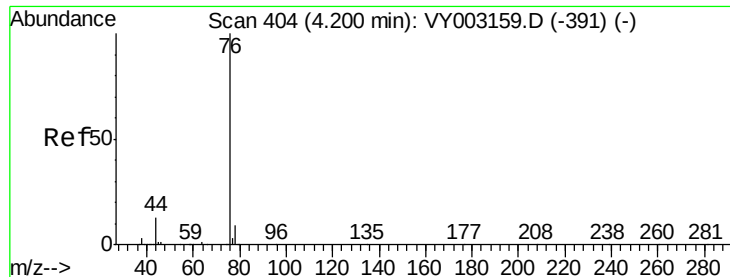
Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion:	43	Resp:	23273
Ion	Ratio	Lower	Upper
43	100		
58	37.1	23.8	35.6#





#17

Carbon Disulfide

Concen: 4.592 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 61953

Ion Ratio Lower Upper

76 100

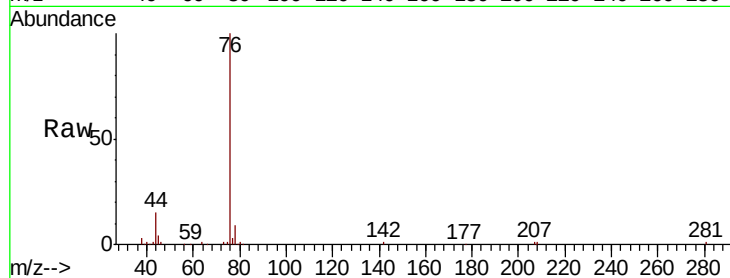
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

25000

20000

15000

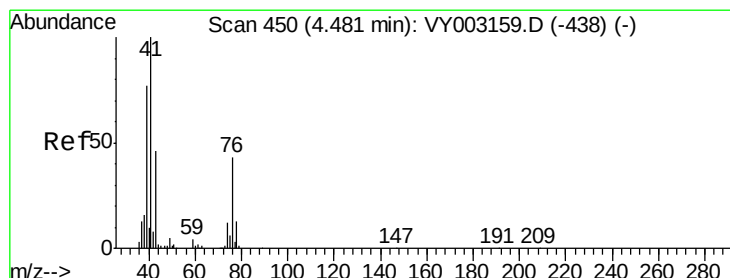
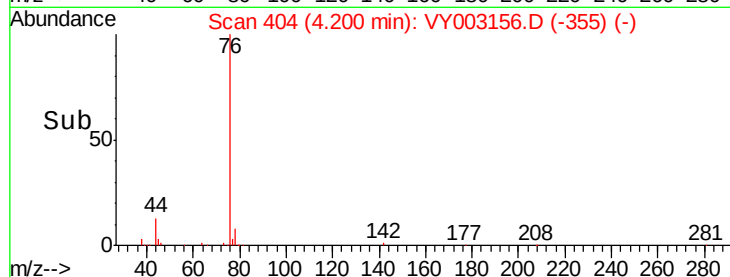
10000

5000

0

4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 4.466 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003156.D

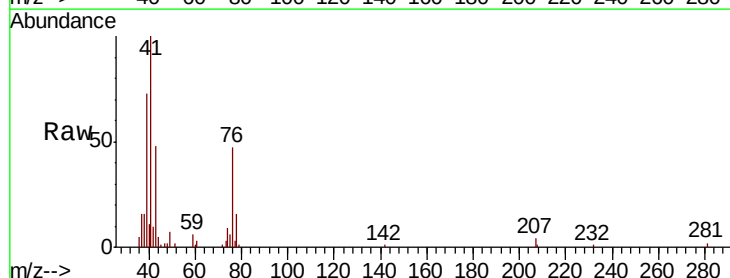
Acq: 10 Jul 2020 11:07

Tgt Ion: 43 Resp: 13498

Ion Ratio Lower Upper

43 100

74 14.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

5000

4000

3000

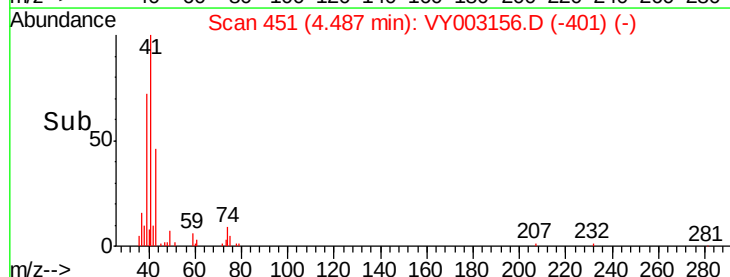
2000

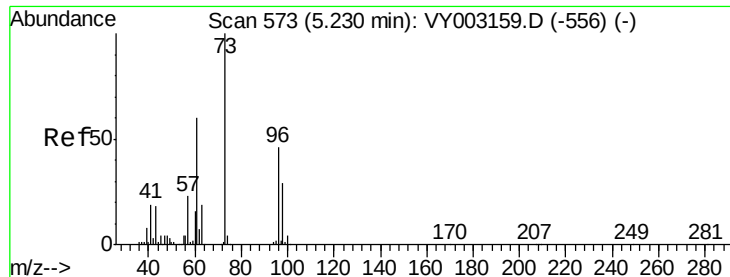
1000

0

4.40 4.50 4.60

Time-->





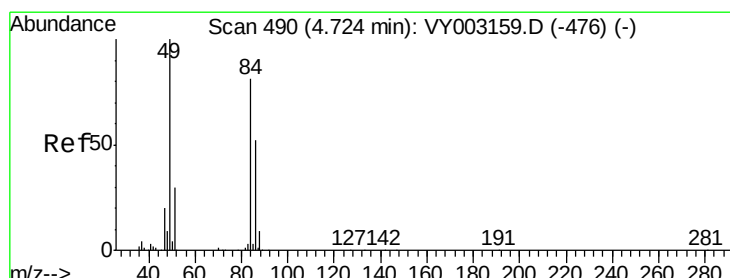
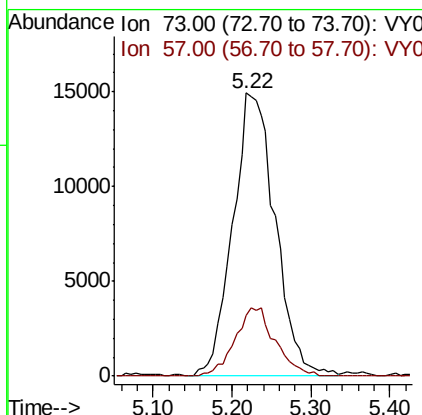
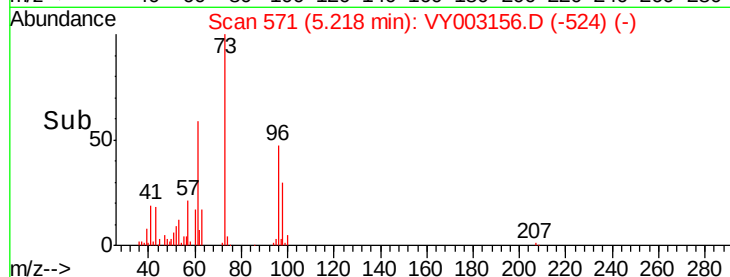
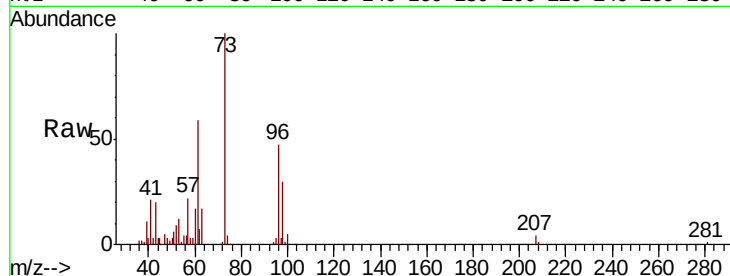
#19
Methyl tert-butyl Ether
Concen: 4.555 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1

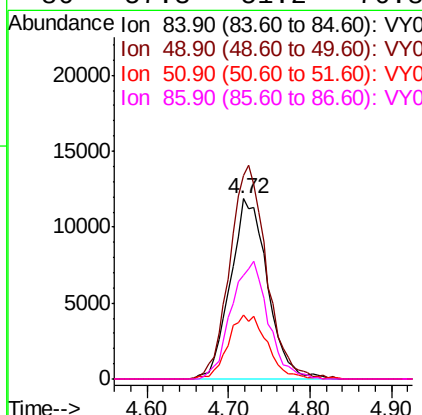
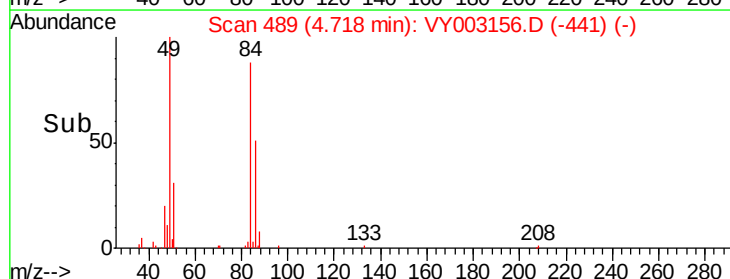
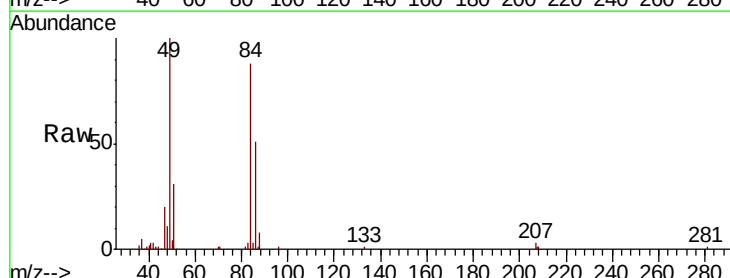
Manual Integrations
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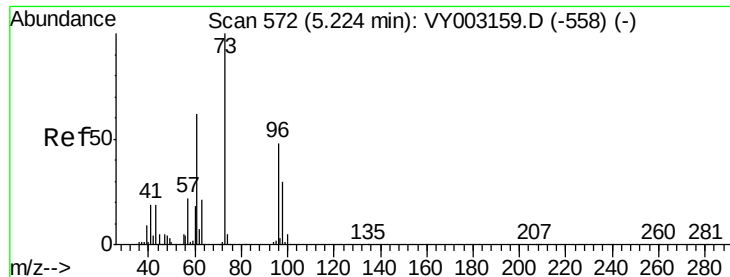
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#20
Methylene Chloride
Concen: 5.833 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.2	98.2	147.4
51	35.7	29.8	44.6
86	57.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 4.741 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 22875

Ion Ratio Lower Upper

96 100

61 112.6 102.5 153.7

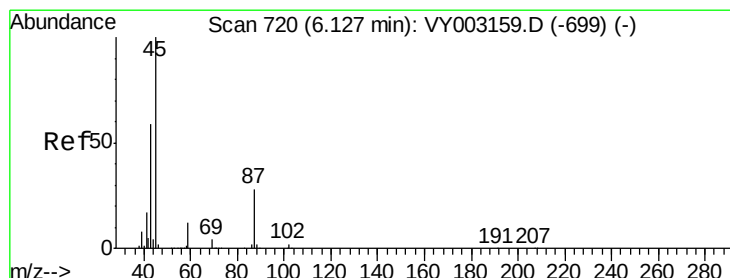
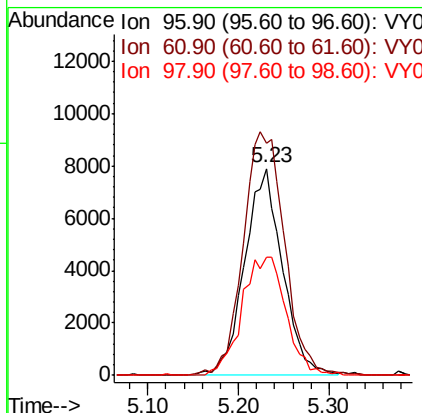
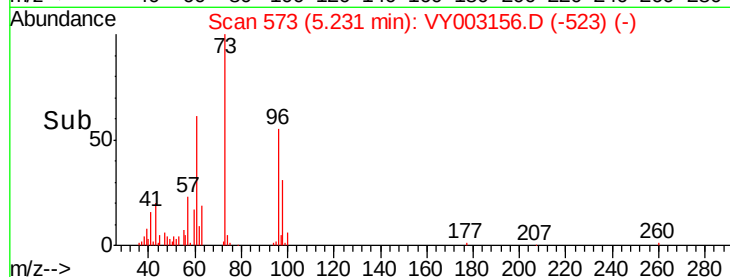
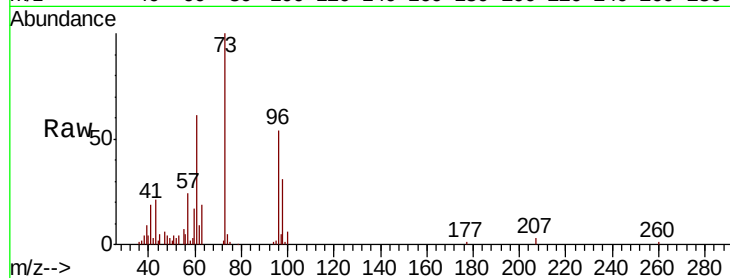
98 57.0 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 3.953 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion: 45 Resp: 62020

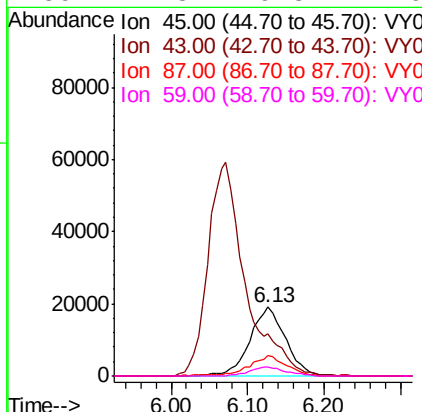
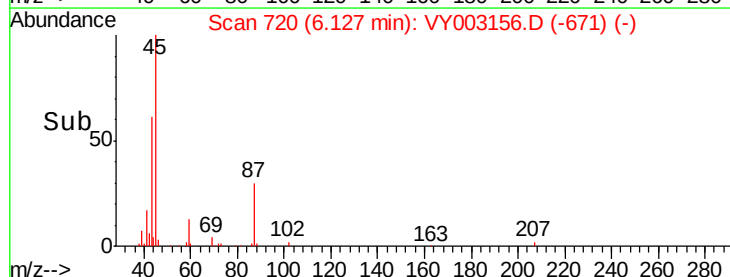
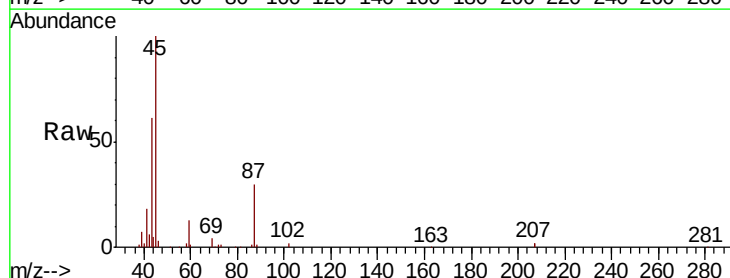
Ion Ratio Lower Upper

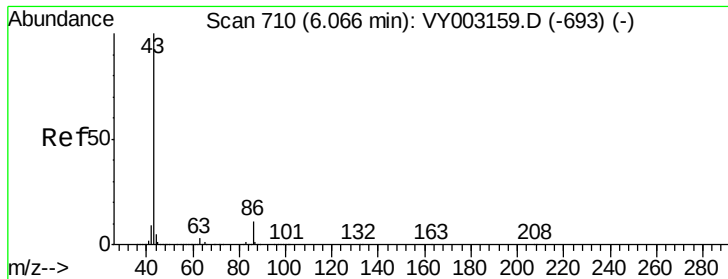
45 100

43 60.3 47.0 70.4

87 29.5 22.6 33.8

59 12.8 9.8 14.6





#23

Vinyl Acetate

Concen: 19.282 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 201298

Ion Ratio Lower Upper

43 100

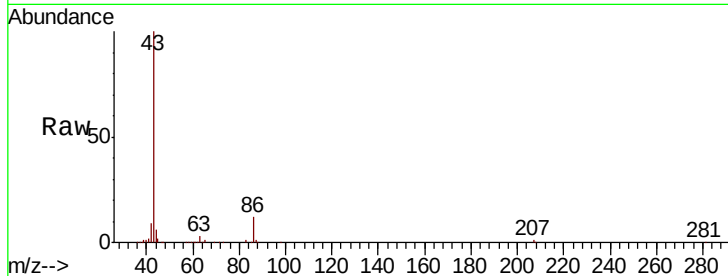
86 11.6 8.8 13.2

Manual Integrations

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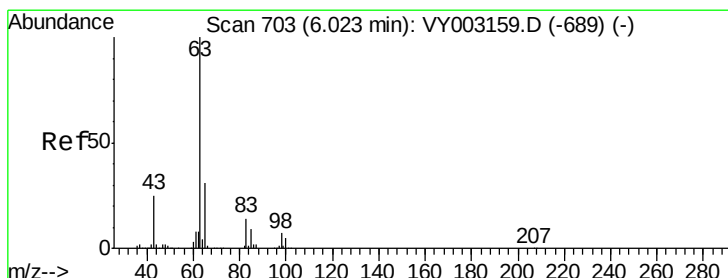
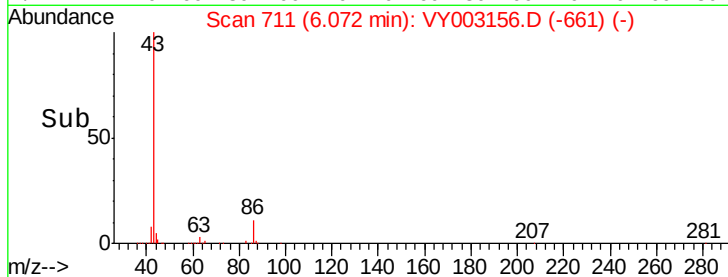
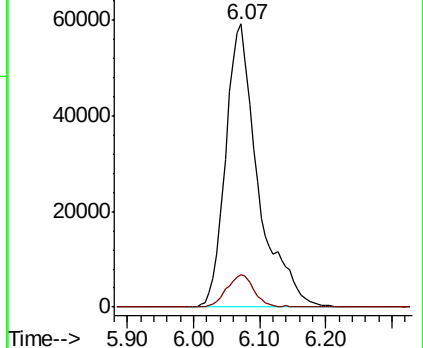
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.357 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

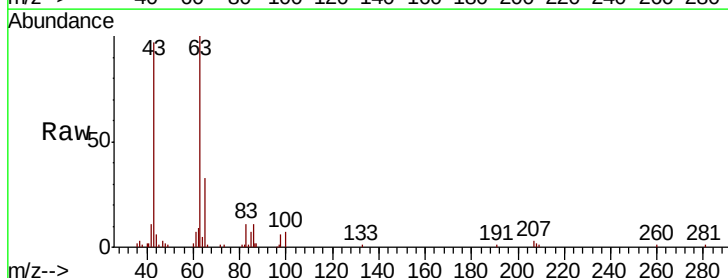
Tgt Ion: 63 Resp: 37605

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.8

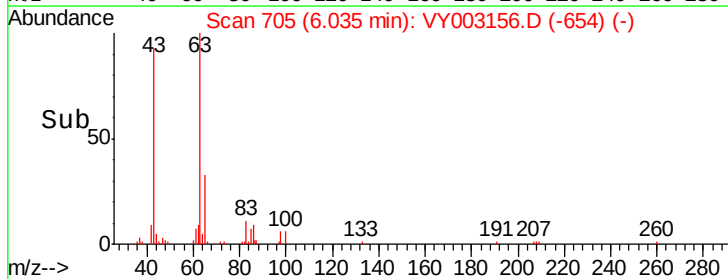
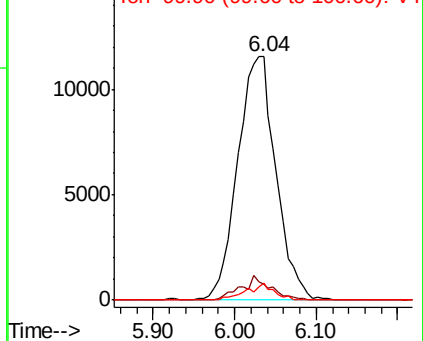
100 7.0 2.4 7.2

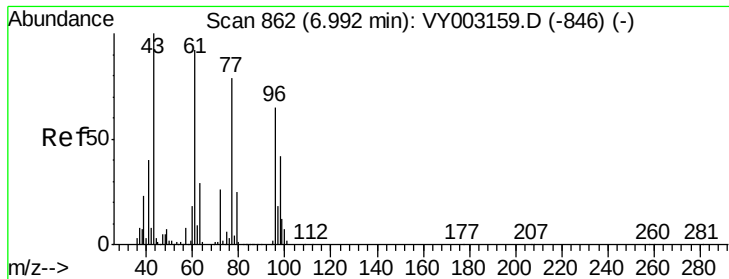


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 20.866 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37097

Ion Ratio Lower Upper

43 100

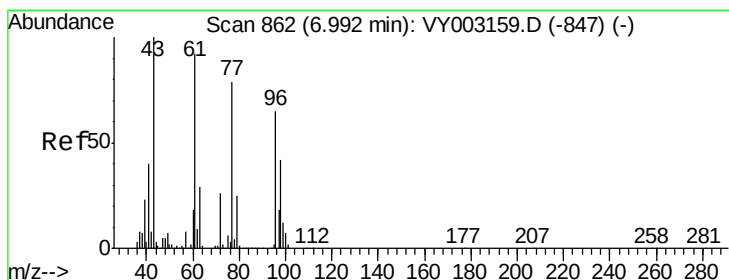
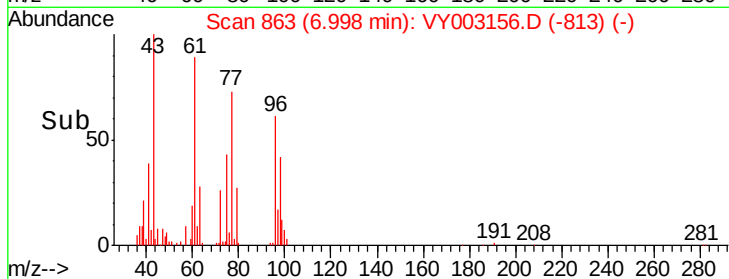
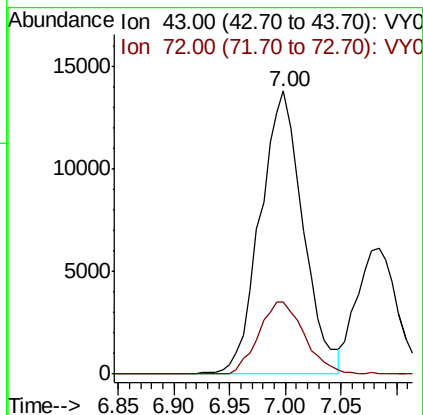
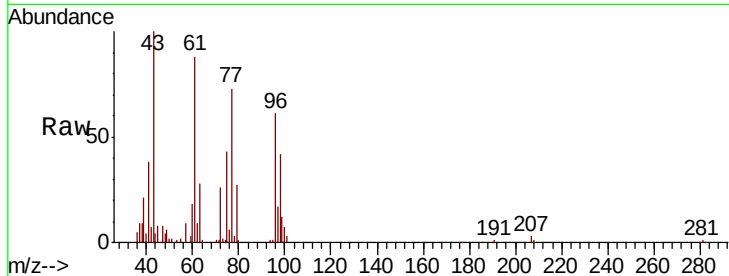
72 25.7 20.9 31.3

Manual Integrations

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7/13/2020 10:47:30 AM



#26

2,2-Dichloropropane

Concen: 4.466 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003156.D

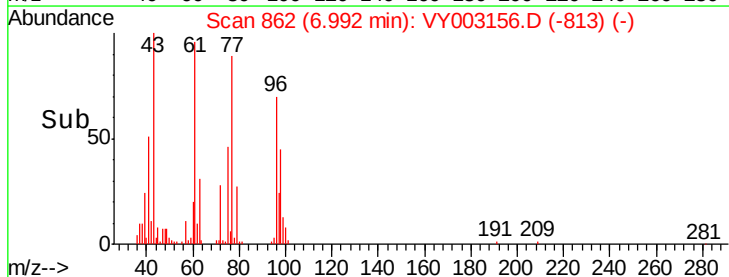
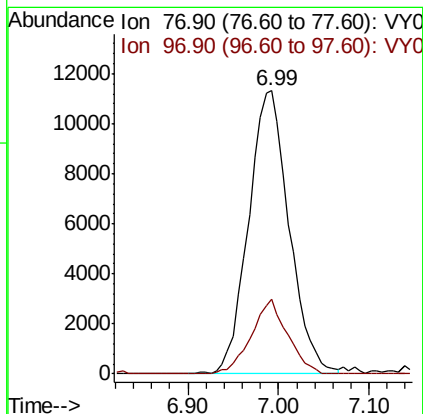
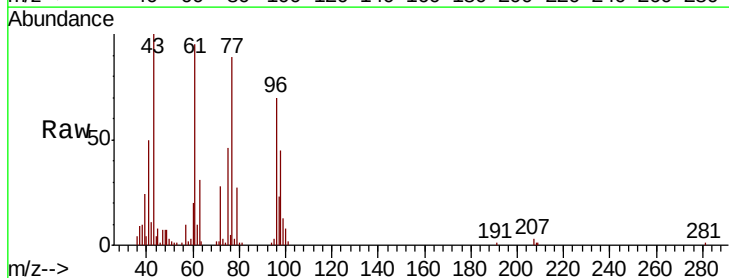
Acq: 10 Jul 2020 11:07

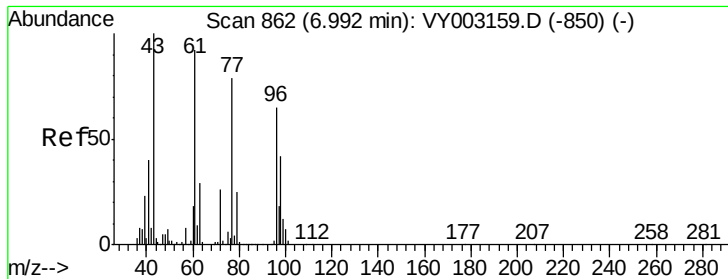
Tgt Ion: 77 Resp: 35006

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

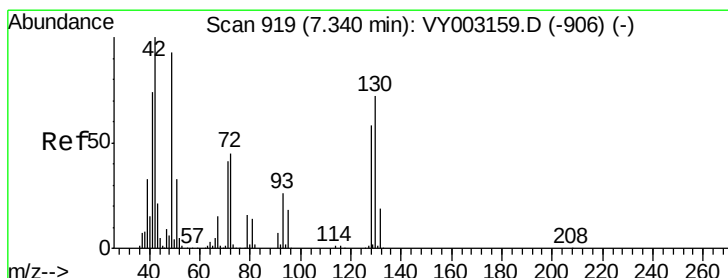
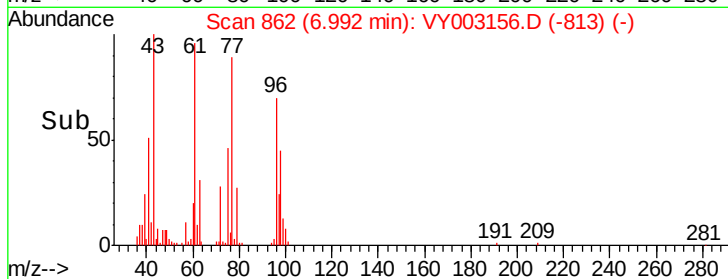
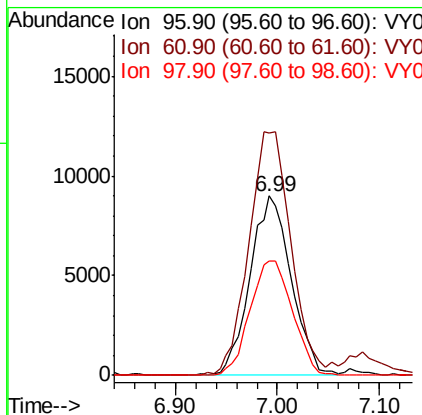
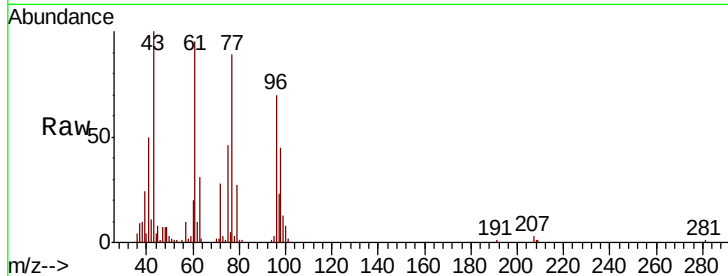
cis-1,2-Dichloroethene
Concen: 4.677 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	281.2
98	65.5	0.0	129.8

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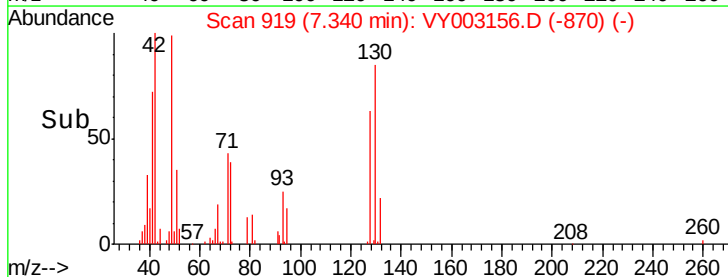
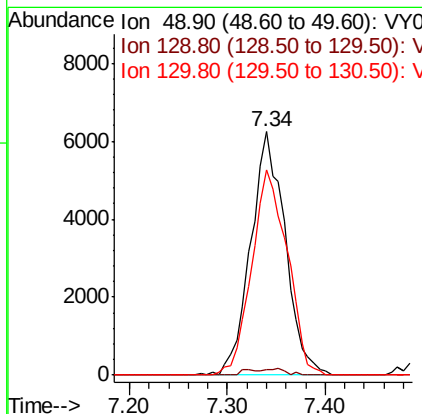
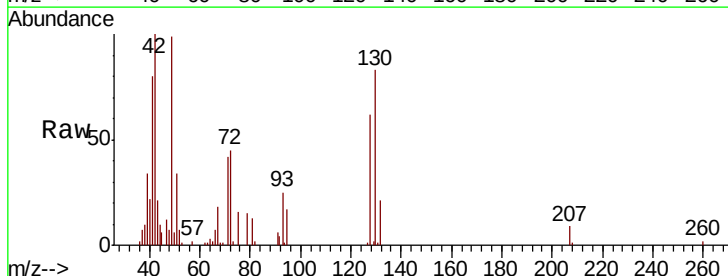
MMDadoda
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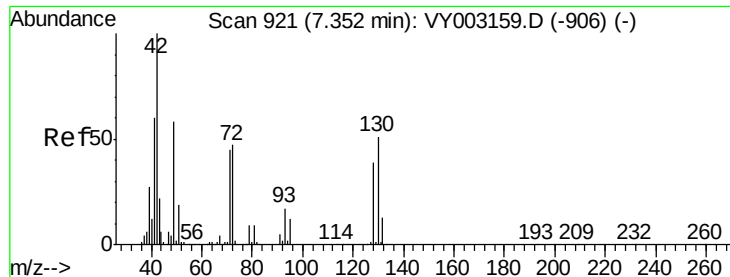


#28

Bromochloromethane
Concen: 4.021 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.0
130	87.2	64.9	97.3





#29

Tetrahydrofuran

Concen: 20.075 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

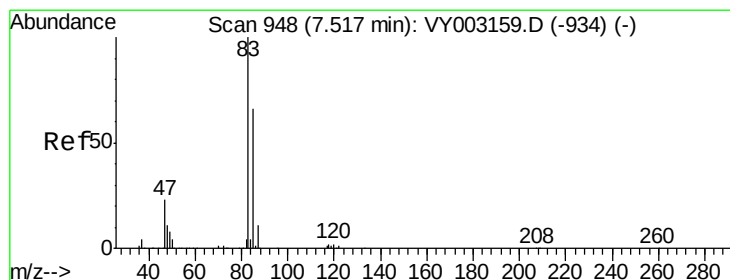
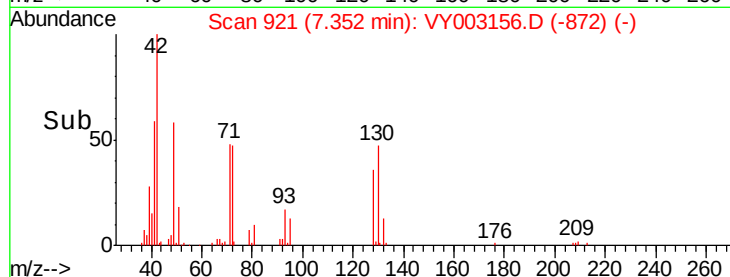
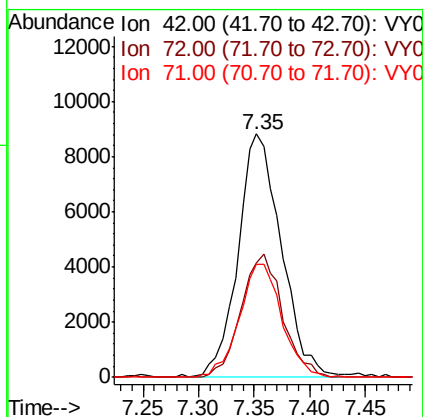
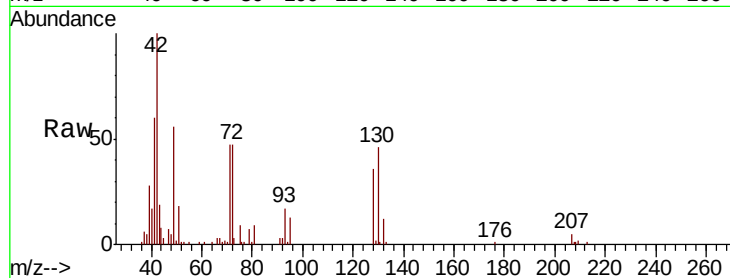
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	23776
Ion	Ratio	Lower	Upper
42	100		
72	48.8	36.7	55.1
71	46.0	34.2	51.4

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#30

Chloroform

Concen: 4.629 ug/l

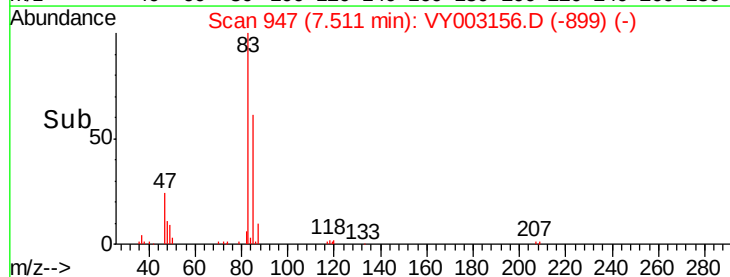
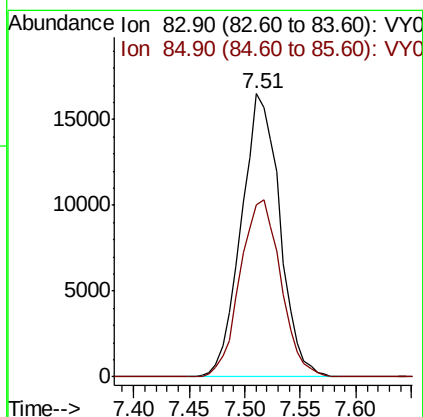
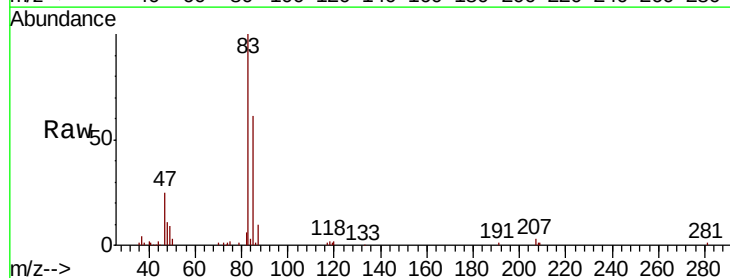
RT: 7.51 min Scan# 947

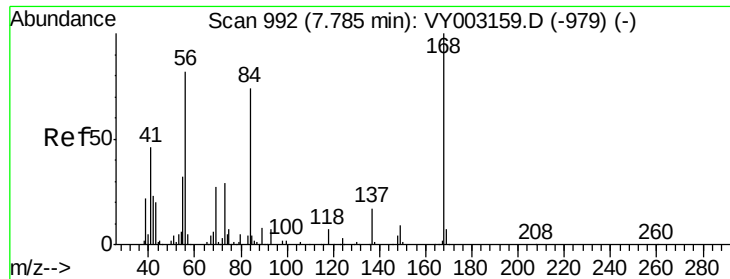
Delta R.T. -0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion:	83	Resp:	39759
Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.6	78.8





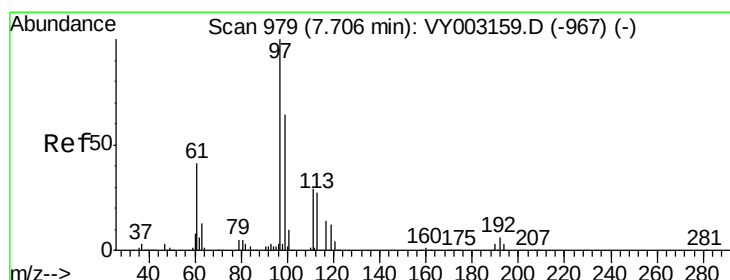
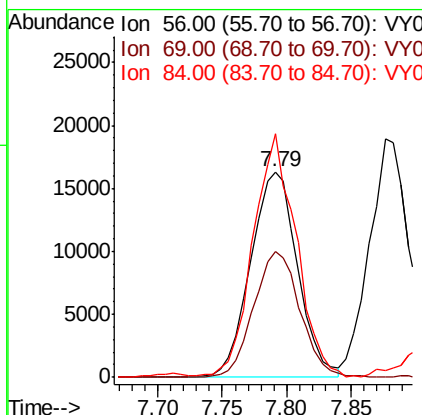
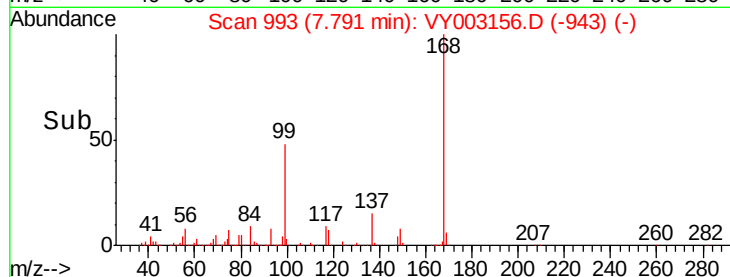
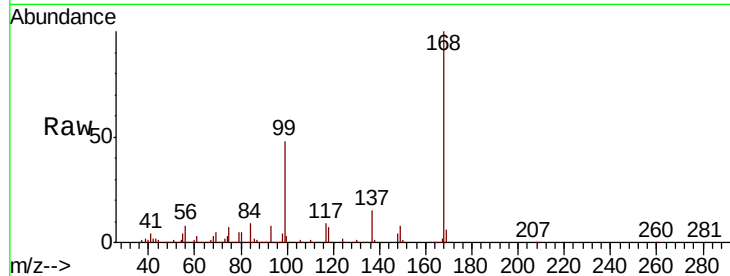
#31
Cyclohexane
Concen: 4.844 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.6	26.7	40.1#
84	117.5	72.3	108.5#

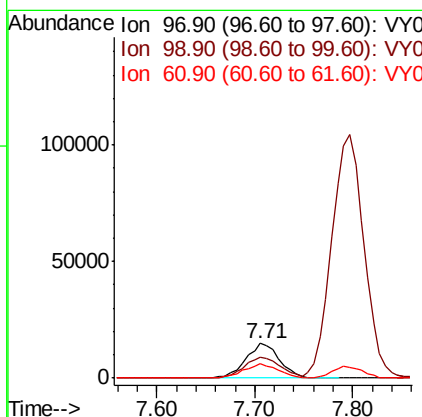
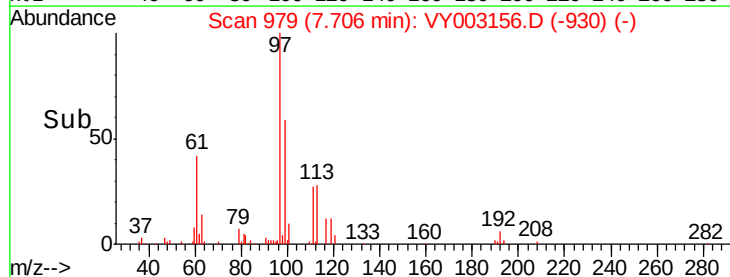
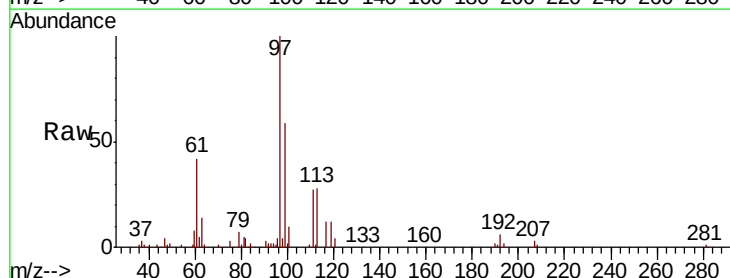
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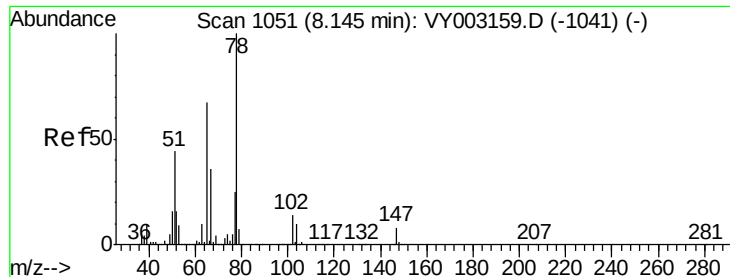
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.557 ug/l
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	41.7	33.9	50.9





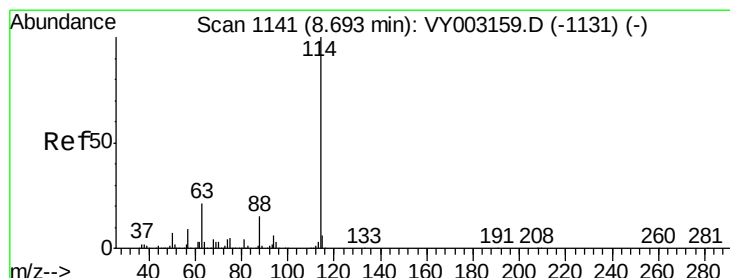
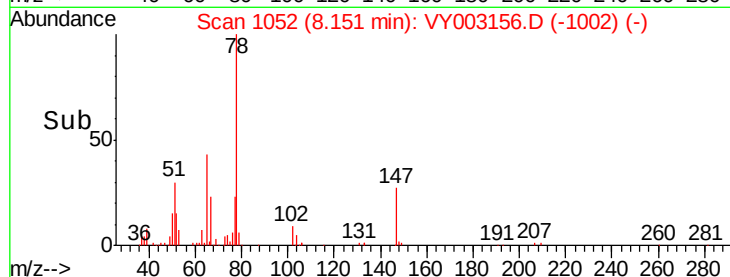
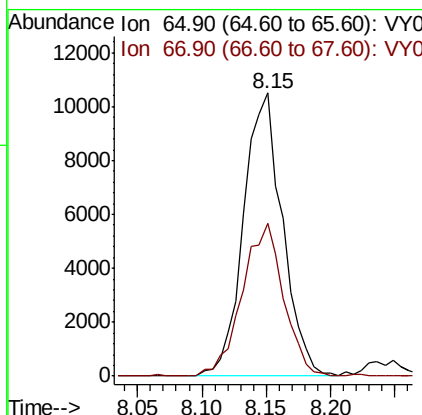
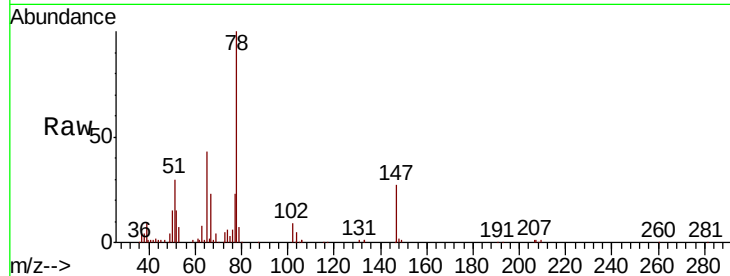
#33
 1,2-Dichloroethane-d4
 Concen: 4.617 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.2	0.0	105.2

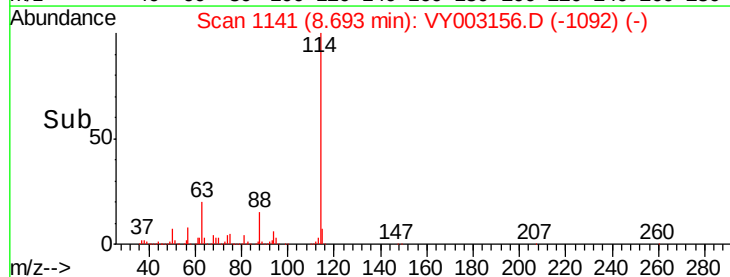
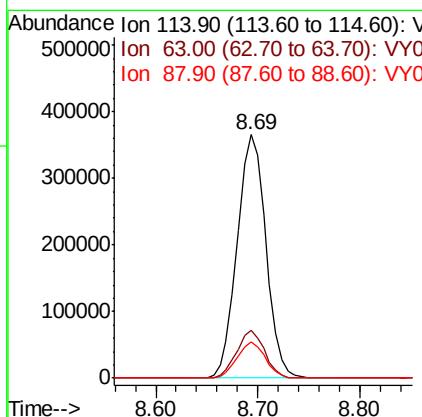
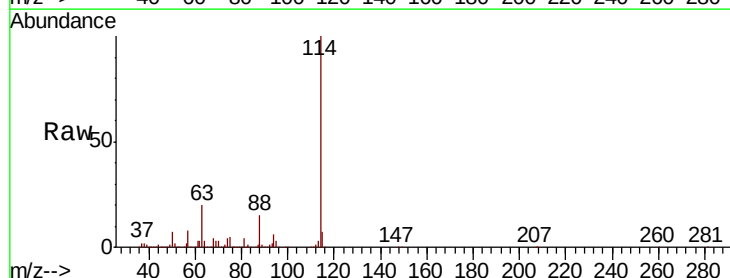
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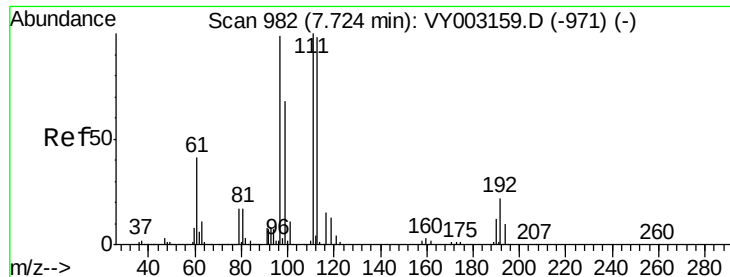
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.2
88	14.8	0.0	30.2





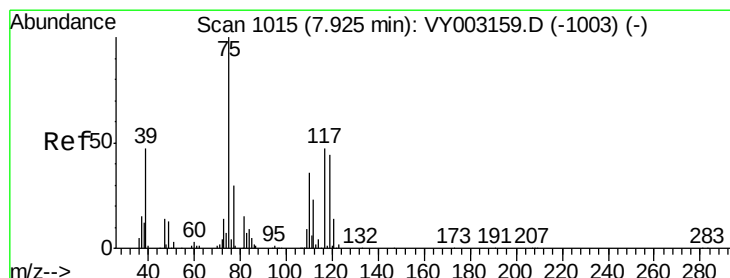
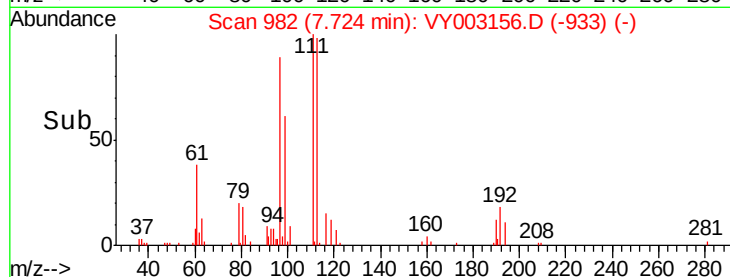
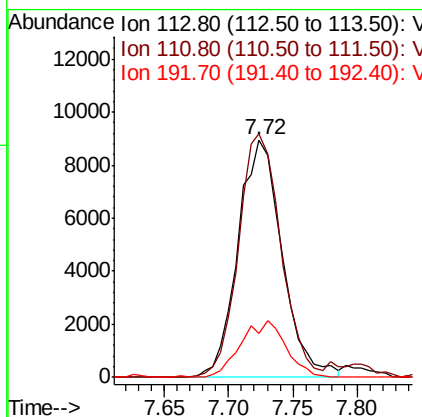
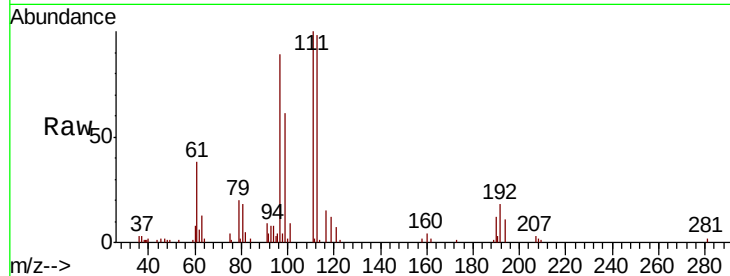
#35
 Dibromofluoromethane
 Concen: 4.894 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.1	123.1
192	24.4	18.8	28.2

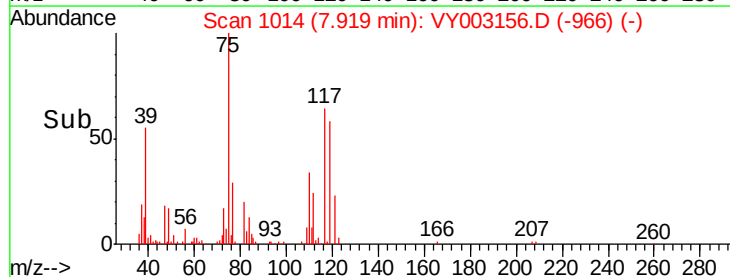
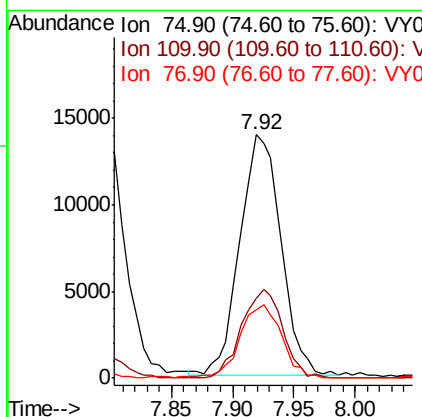
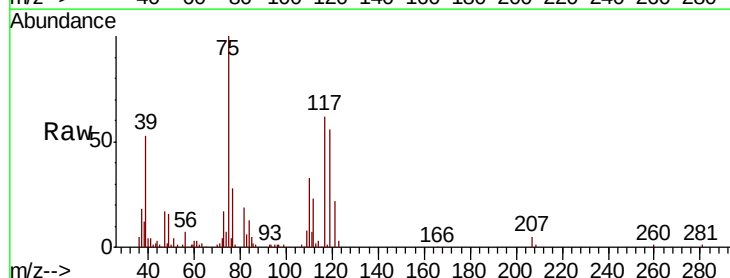
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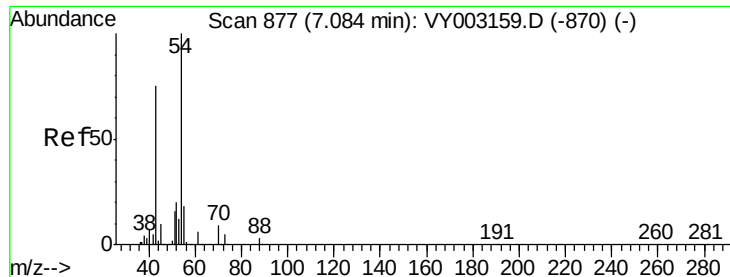
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#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	31.1	24.8	37.2





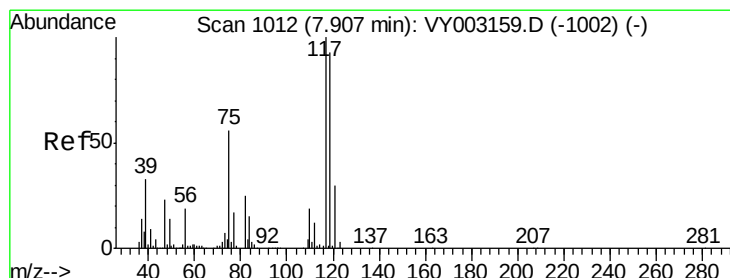
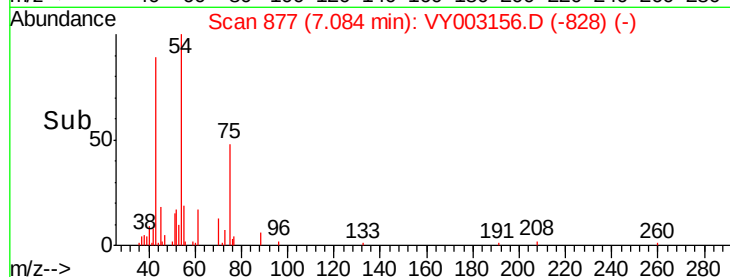
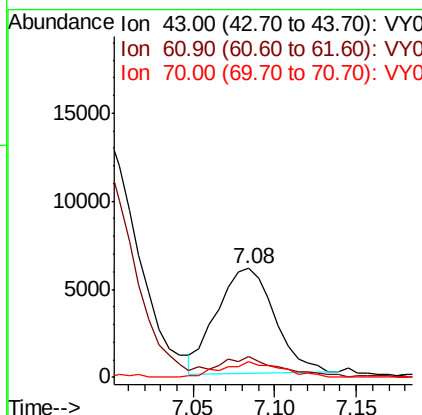
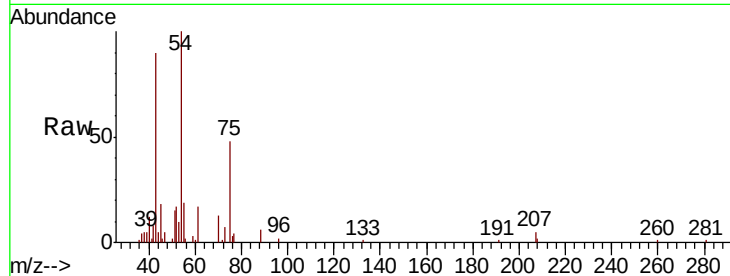
#37
Ethyl Acetate
Concen: 3.646 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	11.8	17.6#
70	15.1	8.6	13.0#

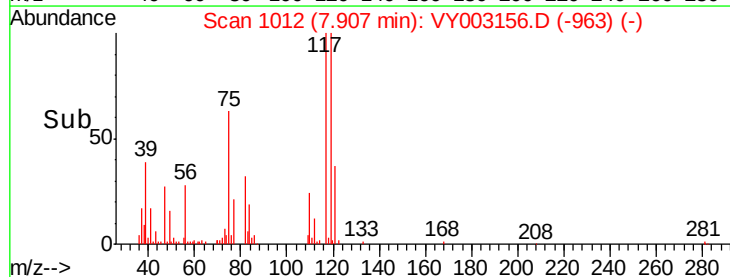
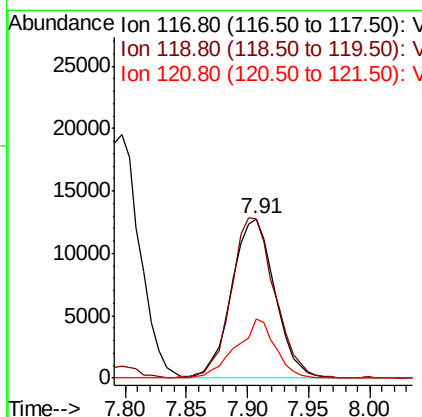
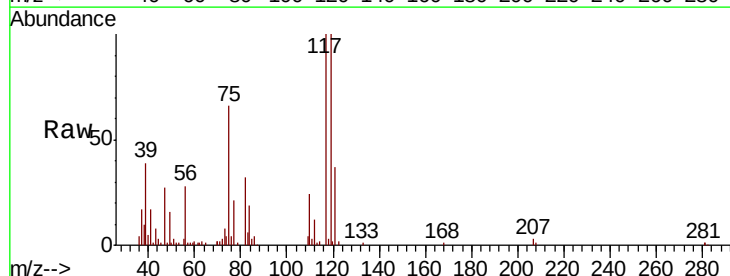
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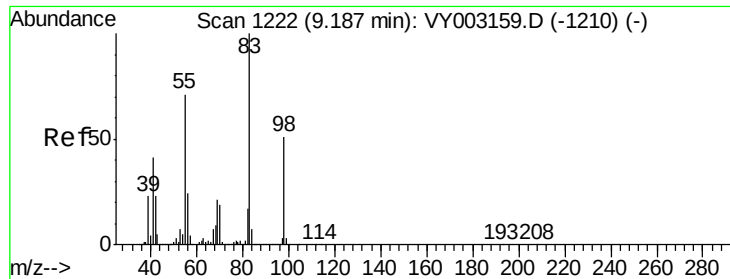
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#38
Carbon Tetrachloride
Concen: 4.427 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	74.5	111.7
121	37.4	24.2	36.2#





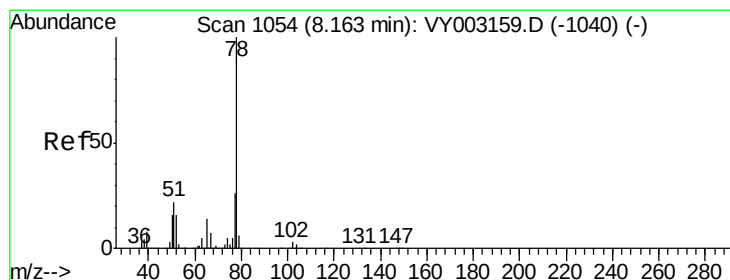
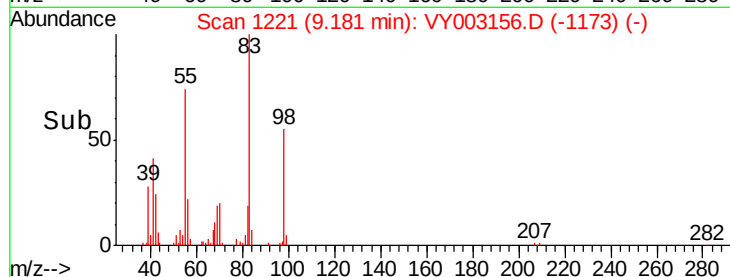
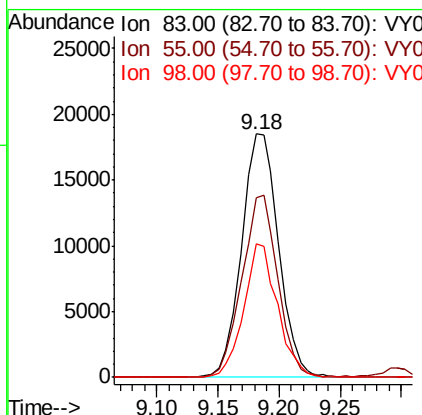
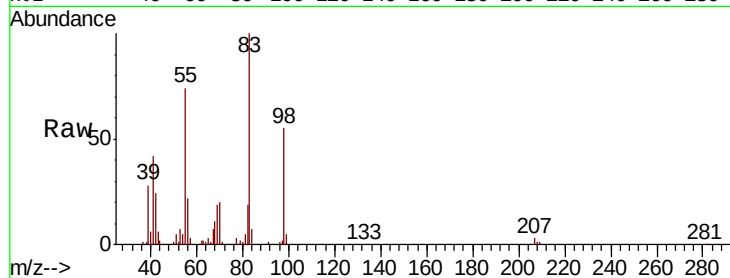
#39
Methylvlcyclohexane
Concen: 4.636 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	38874
Ion Ratio	Lower	Upper	
83	100		
55	74.0	57.2	85.8
98	54.9	41.0	61.6

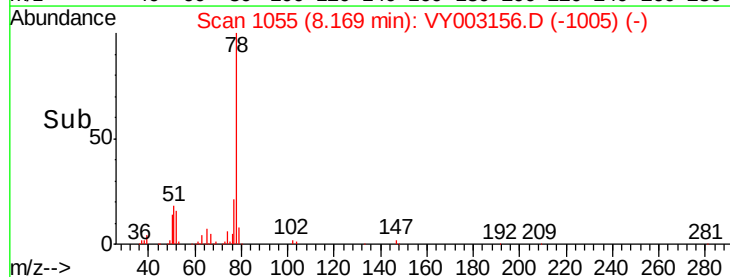
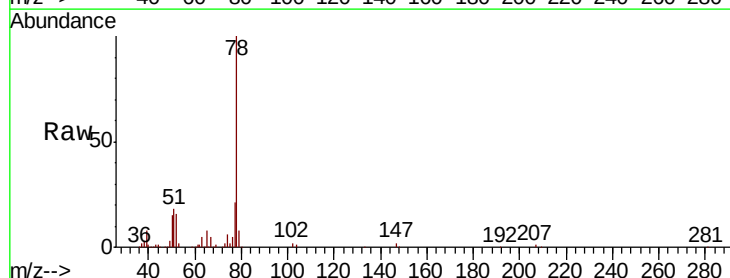
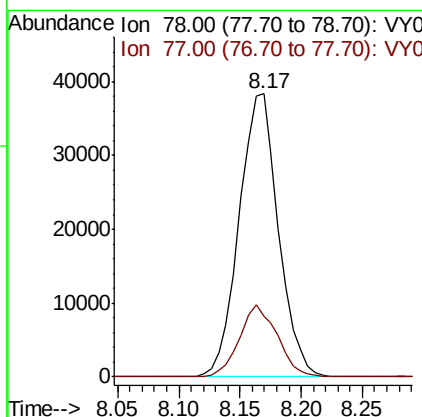
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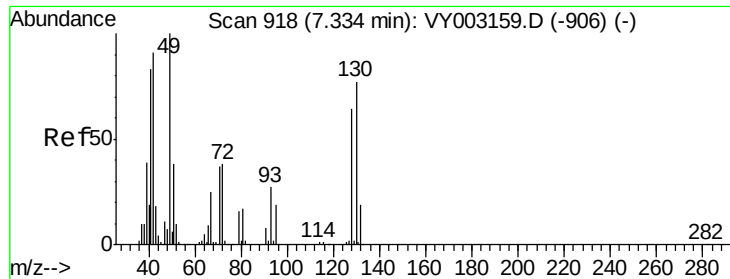
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#40
Benzene
Concen: 4.616 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	78	Resp	85504
Ion Ratio	Lower	Upper	
78	100		
77	21.3	20.7	31.1





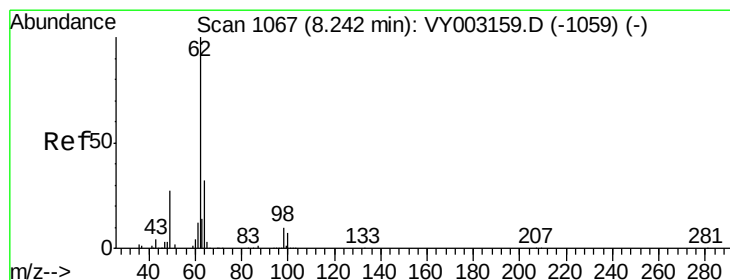
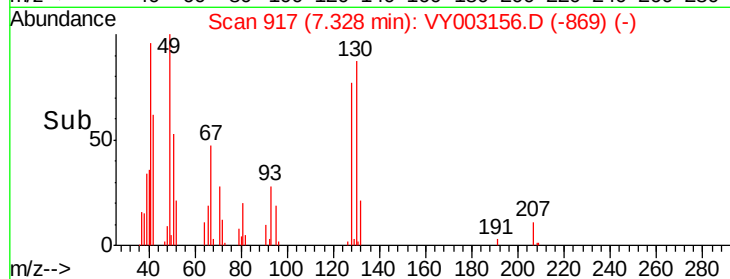
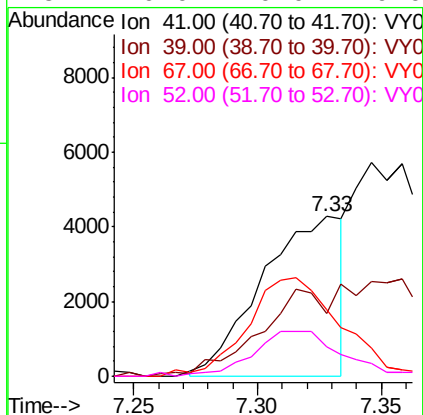
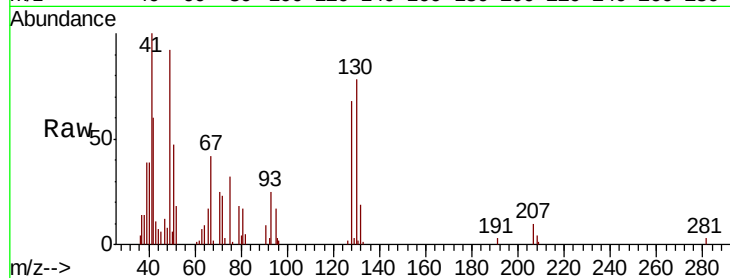
#41
Methacrylonitrile
Concen: 4.622 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	9813
Ion	Ratio	Lower	Upper
41	100		
39	72.5	83.3	124.9#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

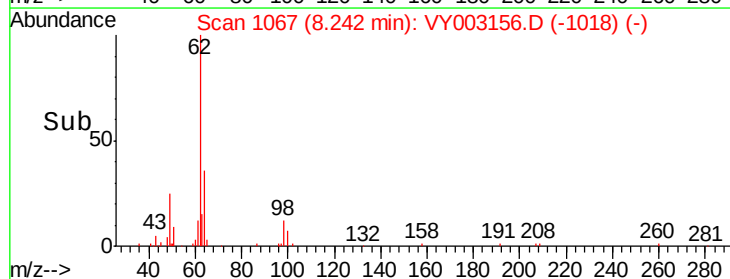
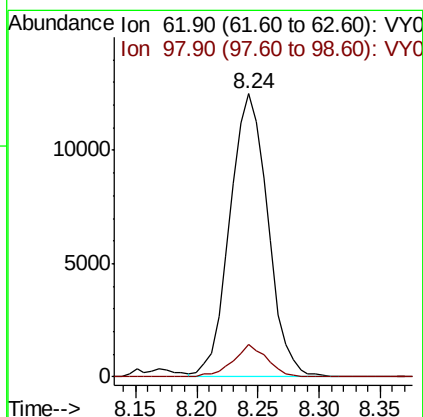
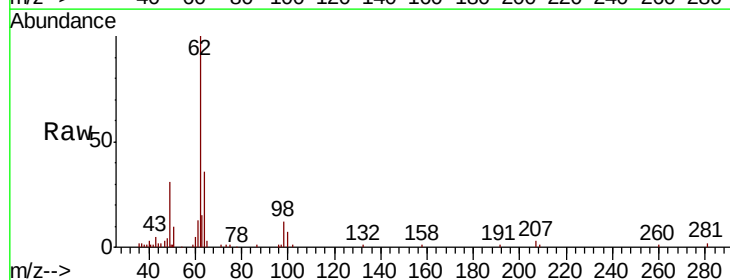
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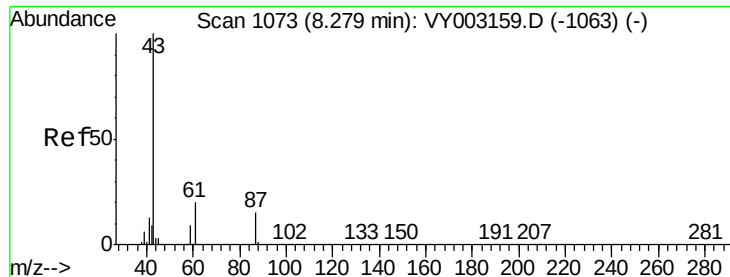
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#42
1,2-Dichloroethane
Concen: 4.640 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion:	62	Resp:	27005
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0





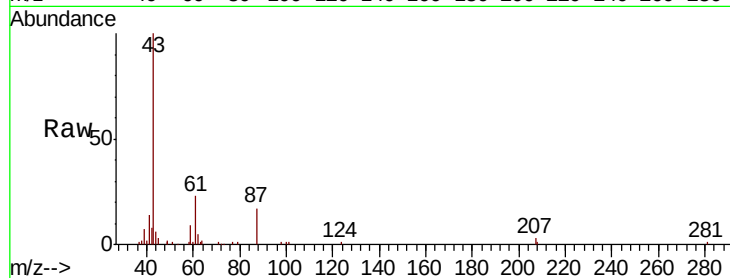
#43
Isopropyl Acetate
Concen: 4.207 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.7	35.5
87	15.1	11.4	17.0

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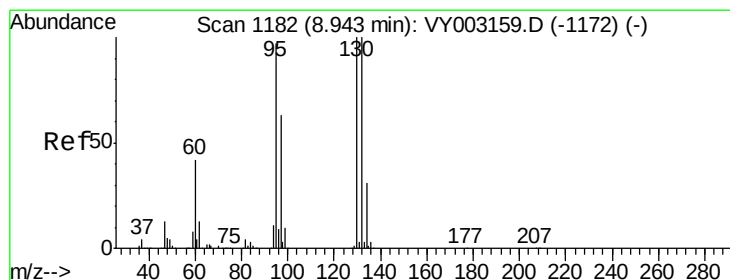
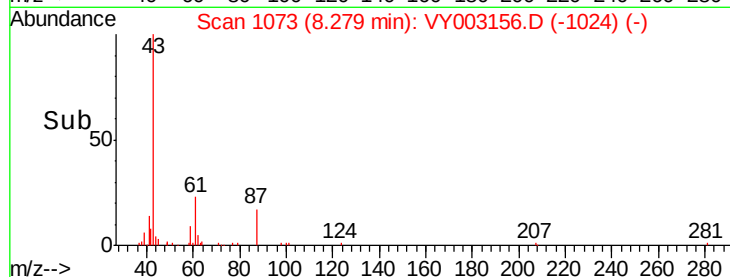
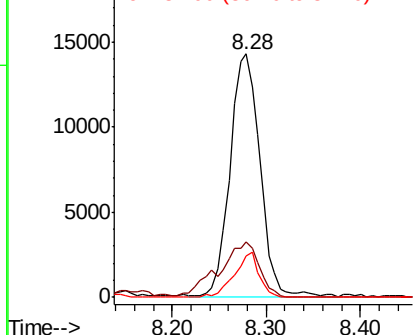


Abundance

Ion 43.00 (42.70 to 43.70): VY003156.D (-1024) (-)

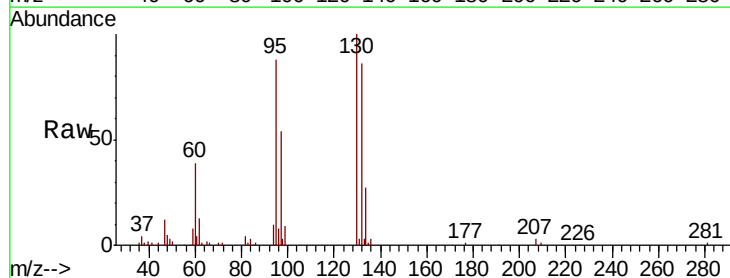
Ion 61.00 (60.70 to 61.70): VY003156.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY003156.D (-1024) (-)



#44
Trichloroethene
Concen: 5.006 ug/l
RT: 8.94 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

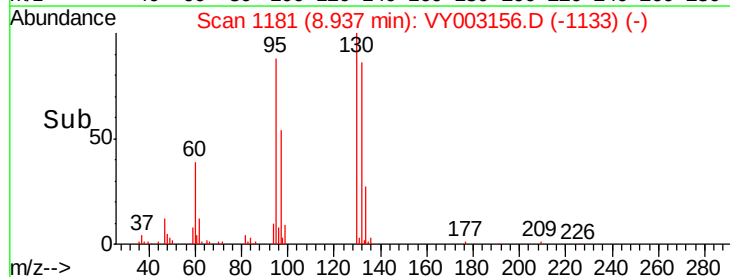
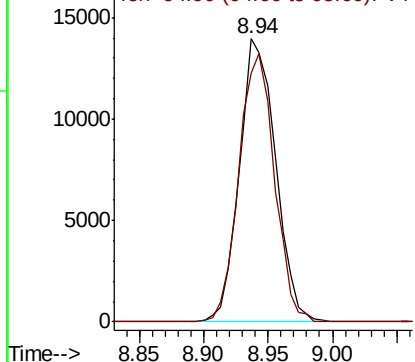
Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	193.8

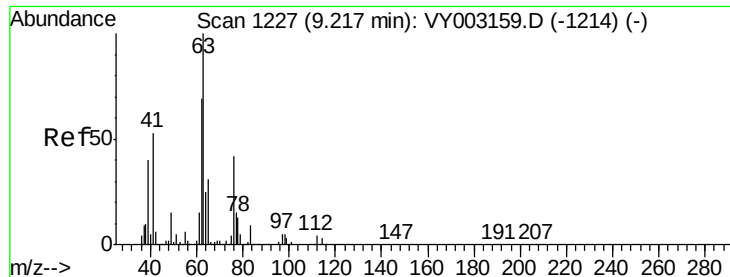


Abundance

Ion 129.80 (129.50 to 130.50): VY003156.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003156.D (-1133) (-)





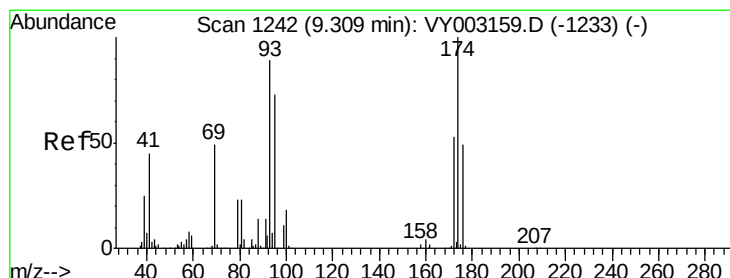
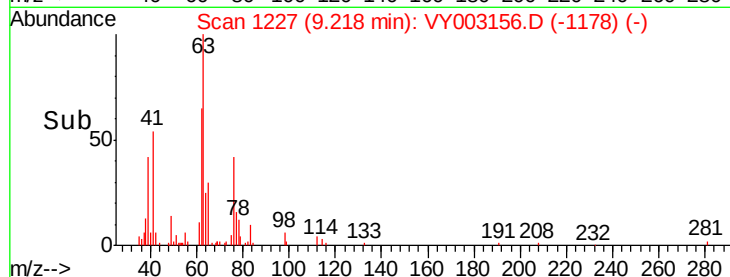
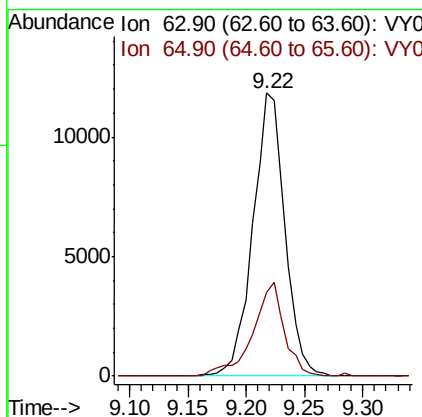
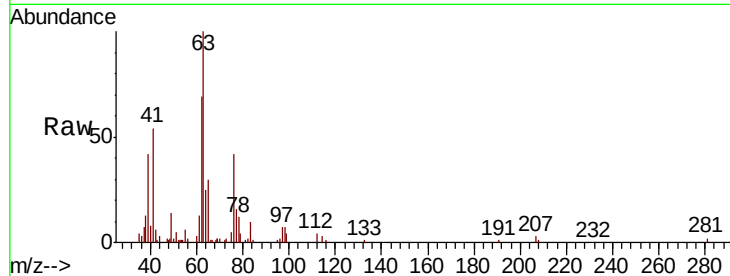
#45
 1,2-Dichloropropane
 Concen: 4.544 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.0	37.4

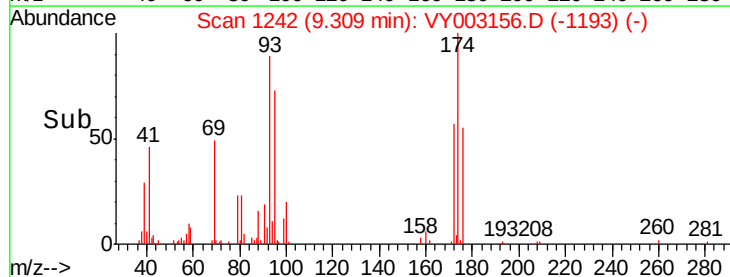
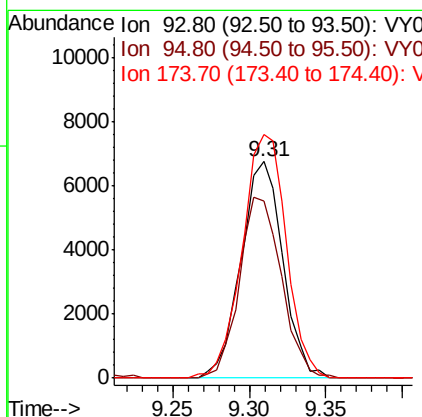
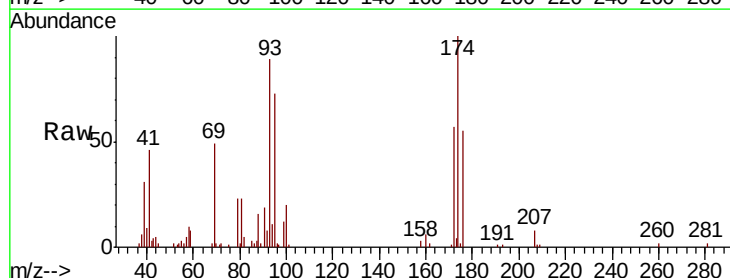
Manual Integrations
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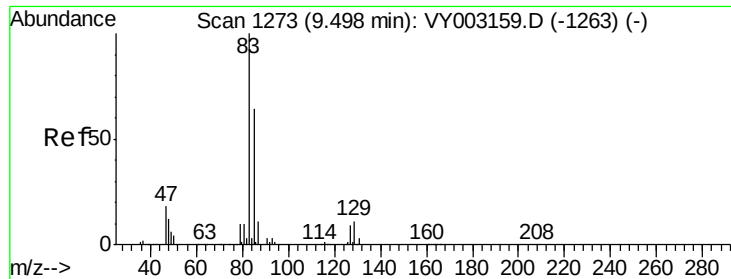
MMDadoda
 7/13/2020 10:47:30 AM



#46
 Dibromomethane
 Concen: 4.620 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.6	99.8
174	118.1	90.2	135.4





#47

Bromodichloromethane

Concen: 4.414 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

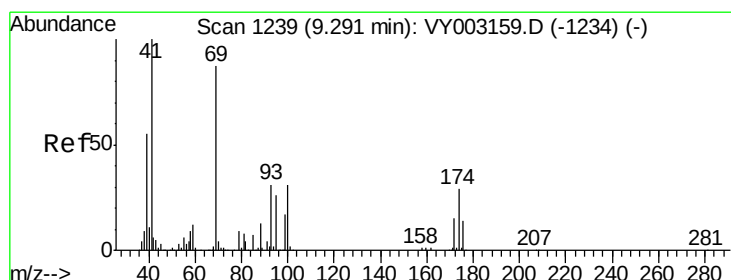
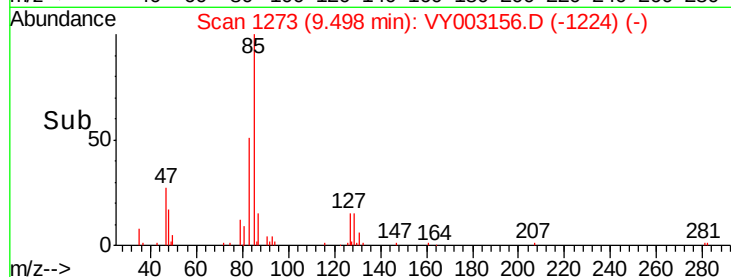
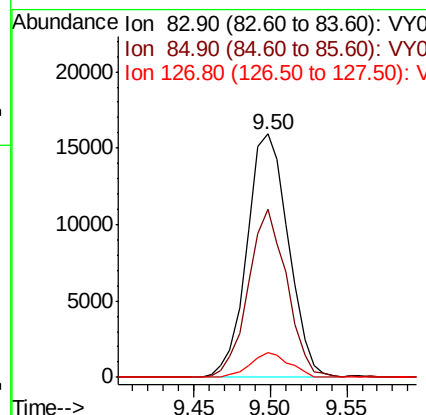
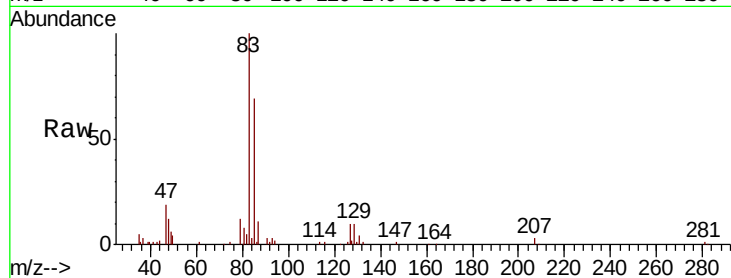
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29986
Ion	Ratio	Lower	Upper
83	100		
85	69.0	50.9	76.3
127	10.3	7.0	10.4

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MMDadoda
7/13/2020 10:47:30 AM



#48

Methyl methacrylate

Concen: 3.999 ug/l

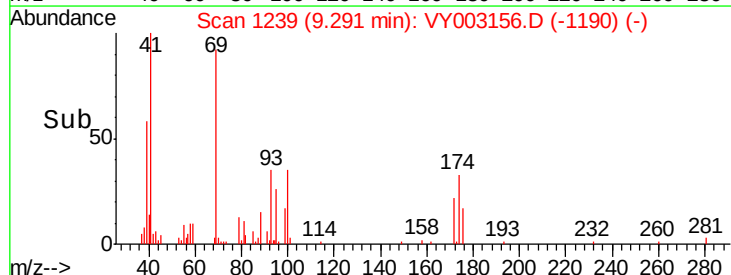
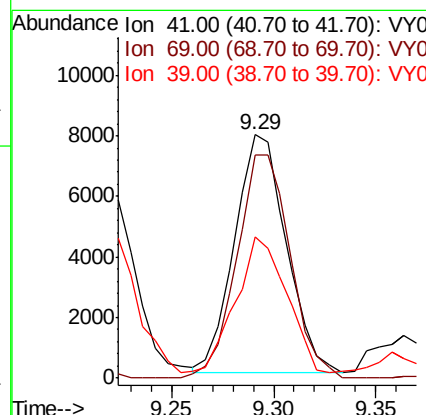
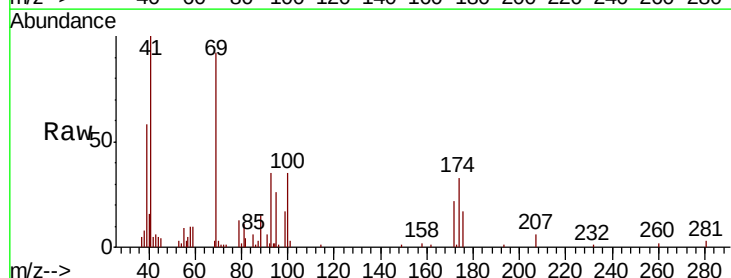
RT: 9.29 min Scan# 1239

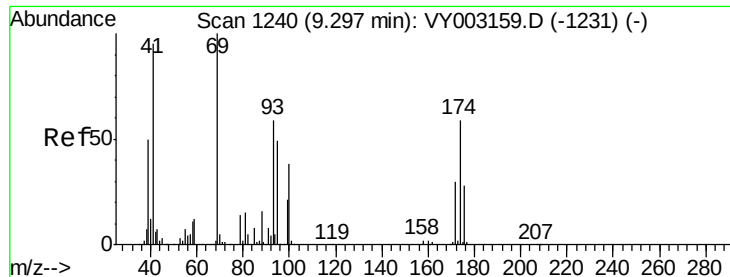
Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion:	41	Resp:	13795
Ion	Ratio	Lower	Upper
41	100		
69	96.8	74.5	111.7
39	61.5	47.5	71.3





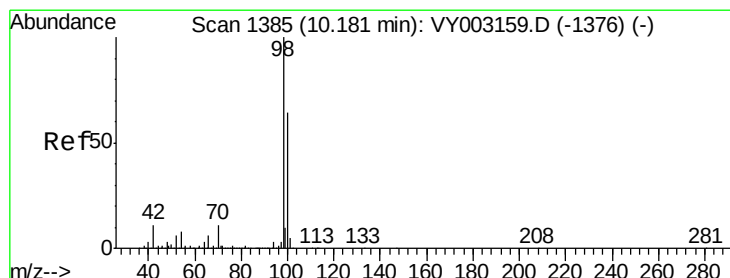
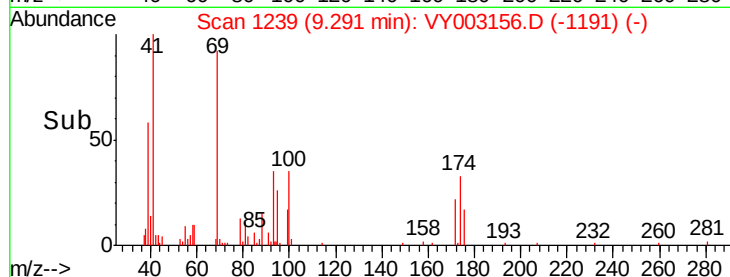
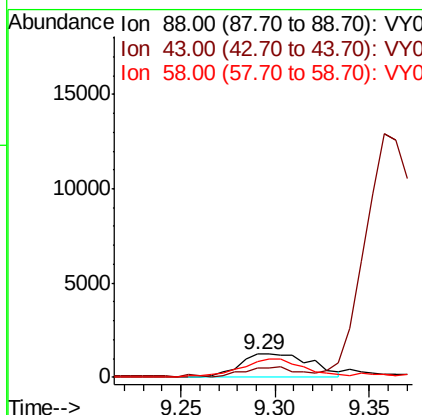
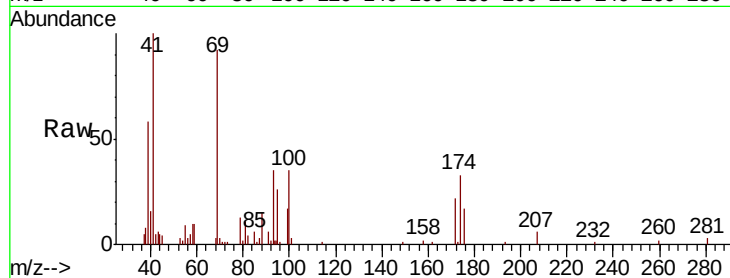
#49
1,4-Dioxane
Concen: 94.747 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	25.6	38.4
58	72.5	47.8	71.6#

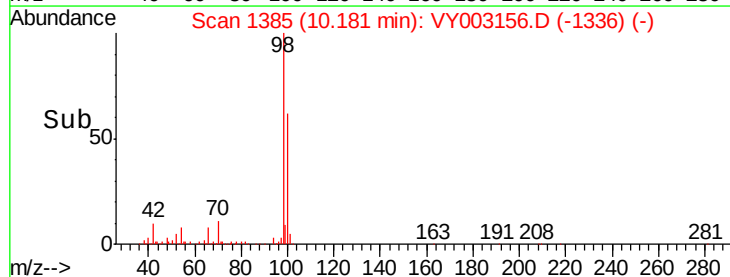
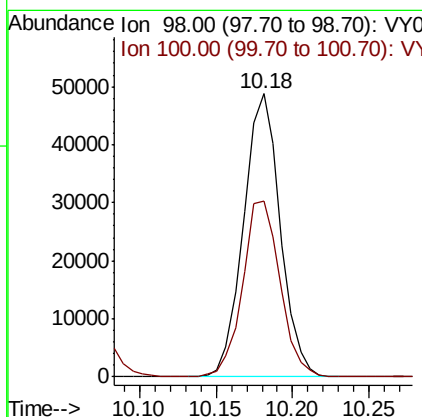
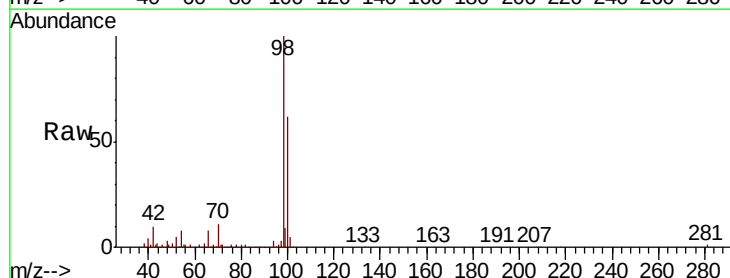
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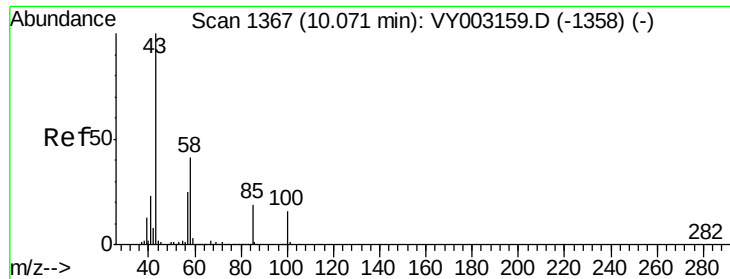
MMDadoda
7/13/2020 10:47:30 AM



#50
Toluene-d8
Concen: 5.048 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 20.513 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 80497

Ion Ratio Lower Upper

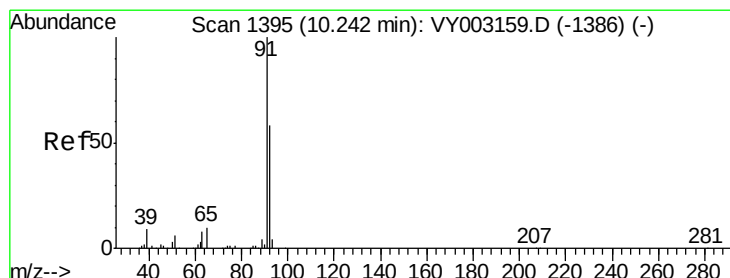
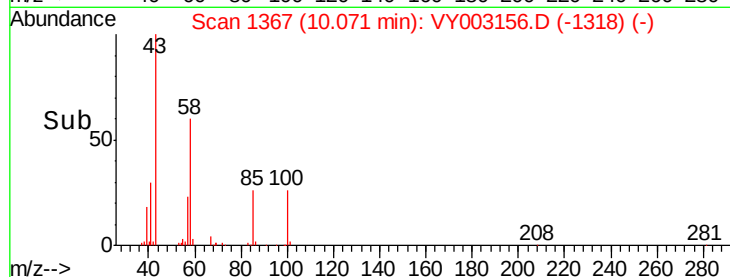
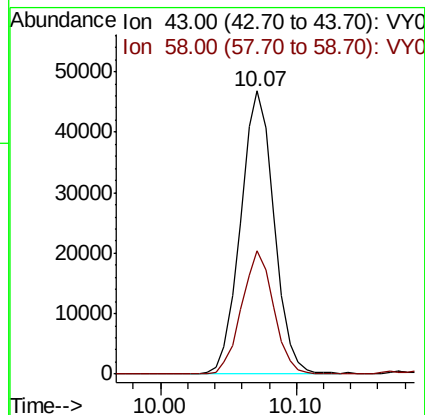
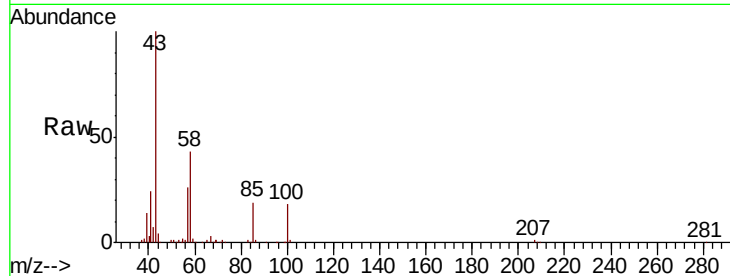
43 100

58 41.7 32.7 49.1

Manual Integrations
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#52

Toluene

Concen: 4.710 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003156.D

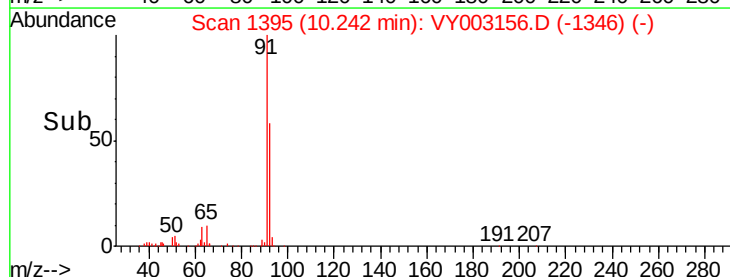
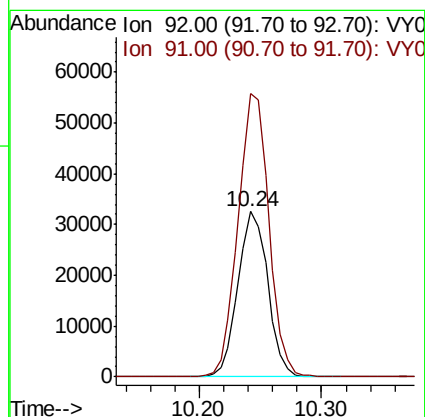
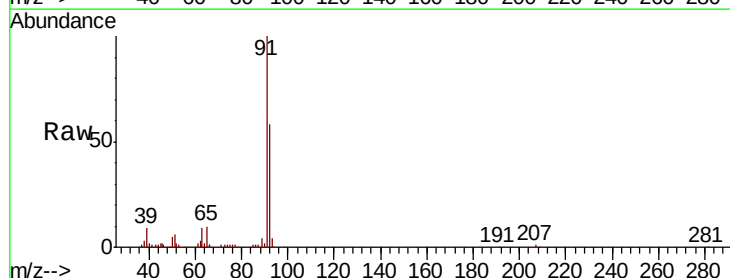
Acq: 10 Jul 2020 11:07

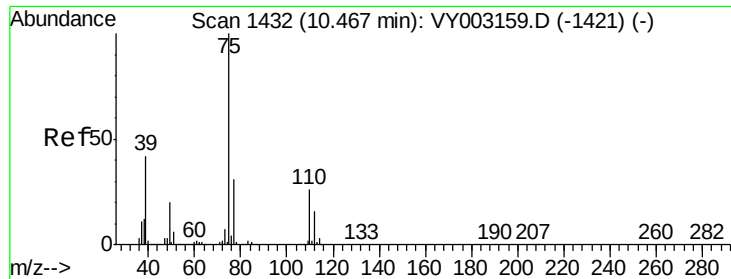
Tgt Ion: 92 Resp: 55112

Ion Ratio Lower Upper

92 100

91 176.8 139.7 209.5





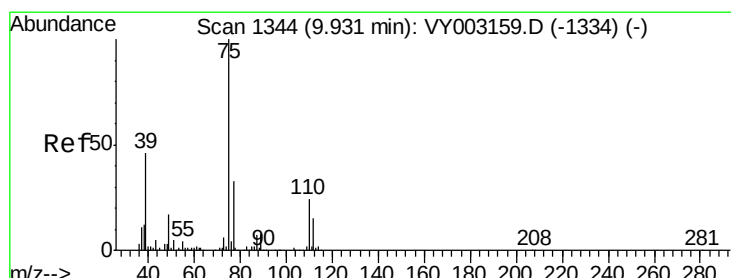
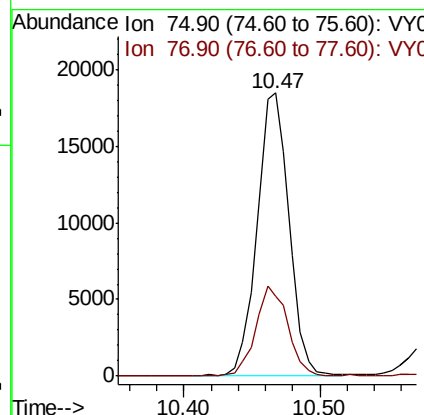
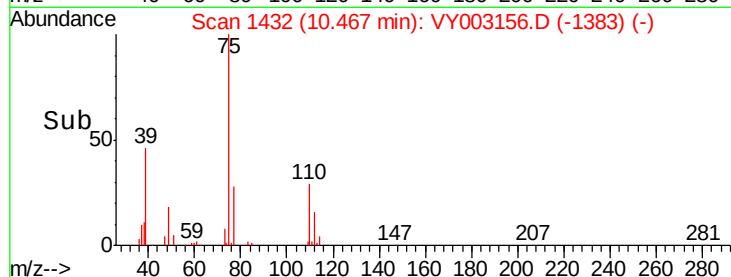
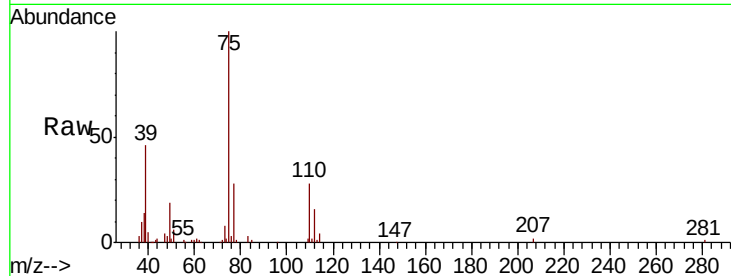
#53
t-1,3-Dichloropropene
Concen: 4.283 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.4	25.2	37.8

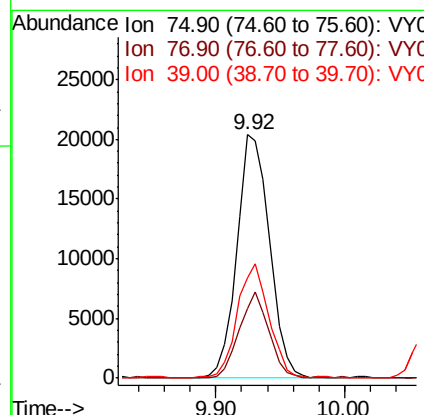
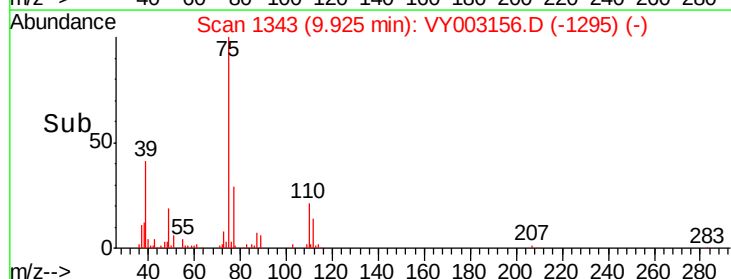
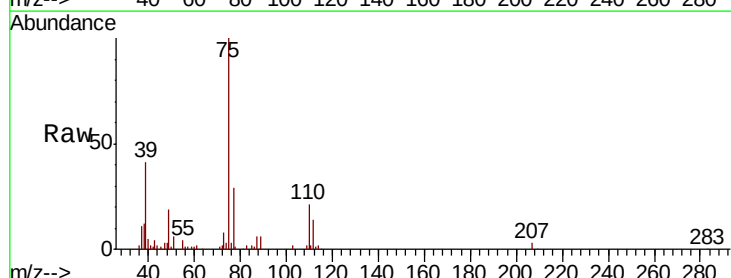
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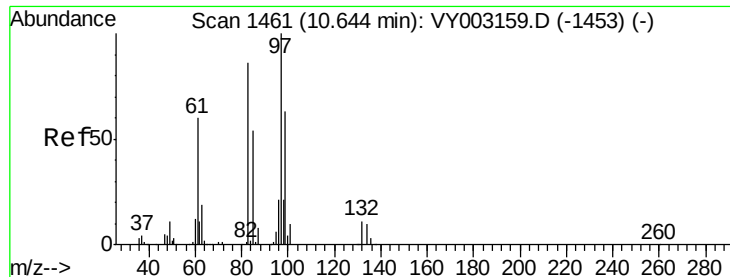
MMDadoda
7/13/2020 10:47:30 AM



#54
cis-1,3-Dichloropropene
Concen: 4.410 ug/l
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.7	40.1
39	41.2	37.0	55.6





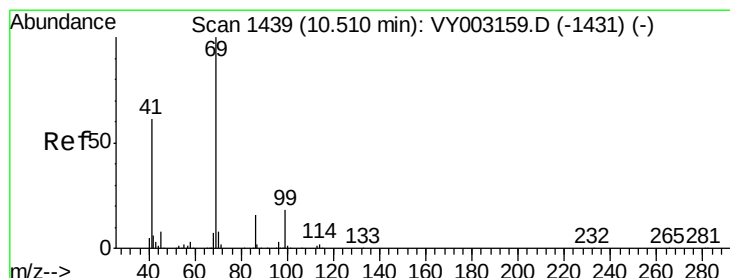
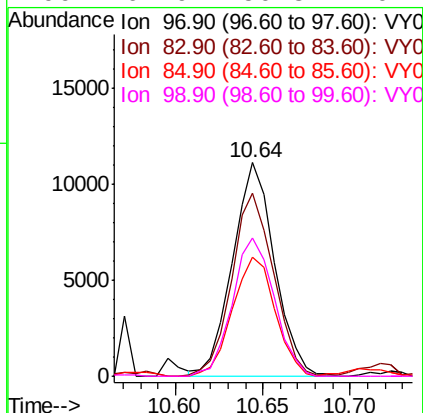
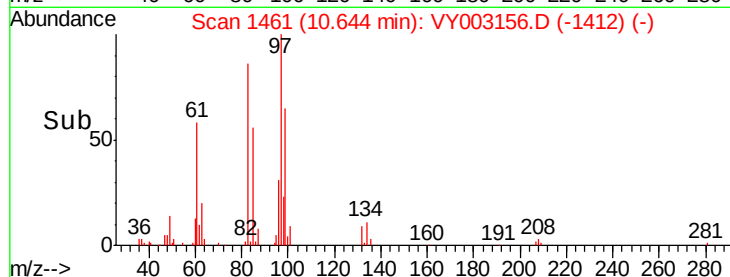
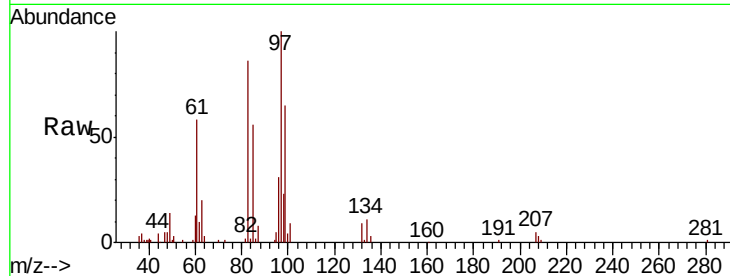
#55
 1,1,2-Trichloroethane
 Concen: 4.808 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	18559
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.8	103.2
85	56.0	43.1	64.7
99	64.9	50.8	76.2

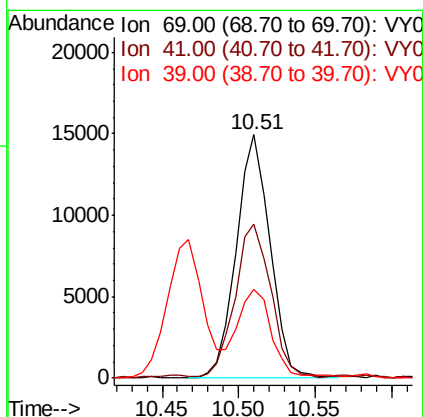
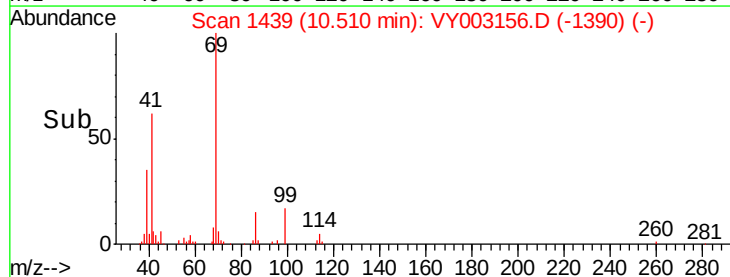
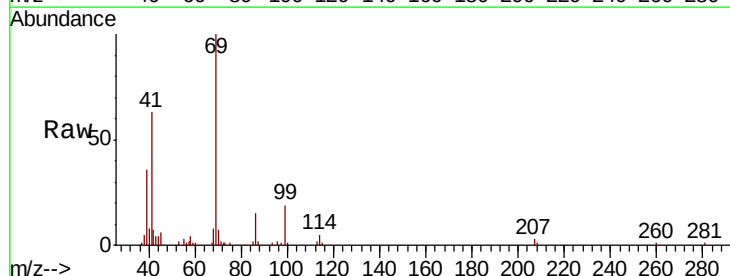
Manual Integrations
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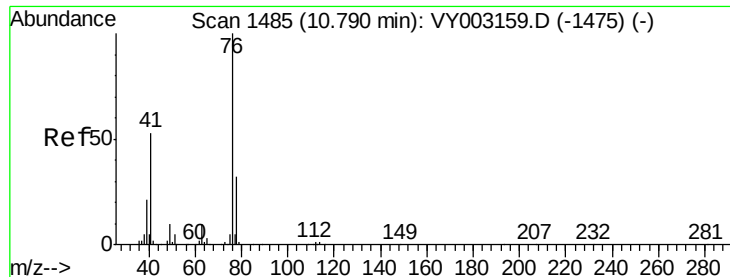
MMDadoda
 7/13/2020 10:47:30 AM



#56
 Ethyl methacrylate
 Concen: 4.124 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion:	69	Resp:	22914
Ion	Ratio	Lower	Upper
69	100		
41	67.4	50.0	75.0
39	34.8	27.6	41.4





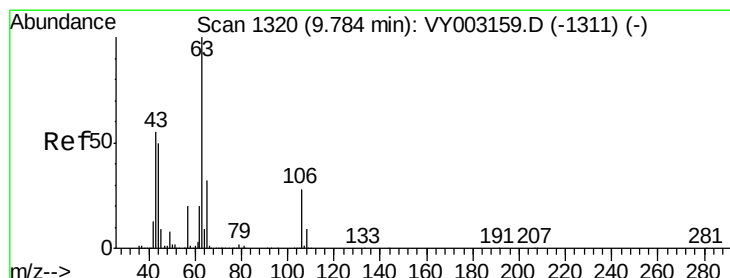
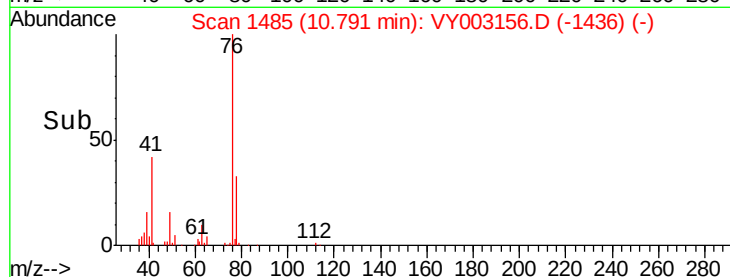
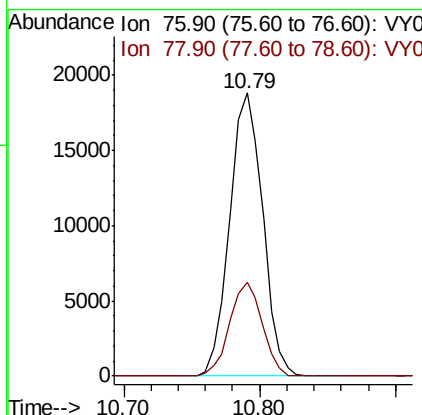
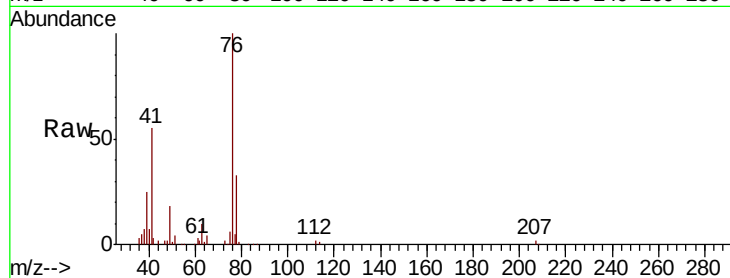
#57
 1,3-Dichloropropane
 Concen: 4.689 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

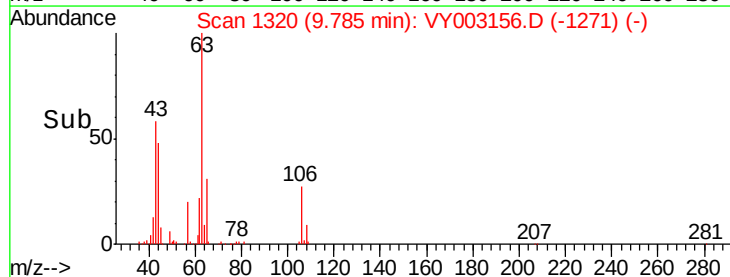
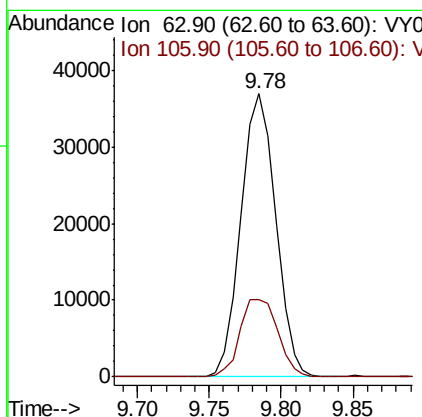
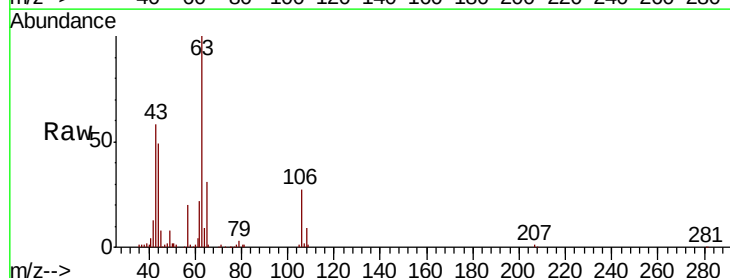
Manual Integrations
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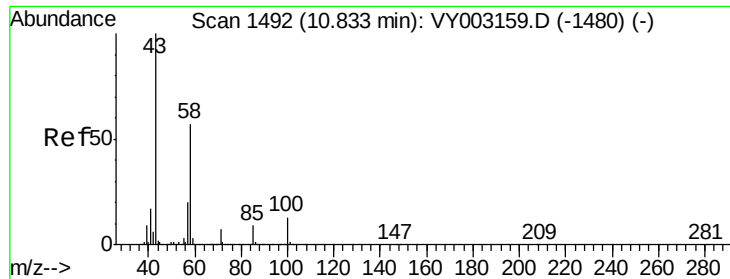
MMDadoda
 7/13/2020 10:47:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.999 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	22.9	34.3





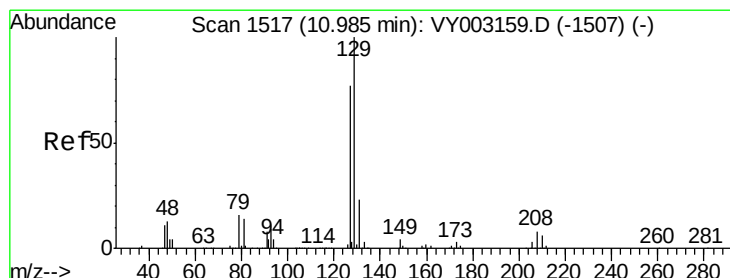
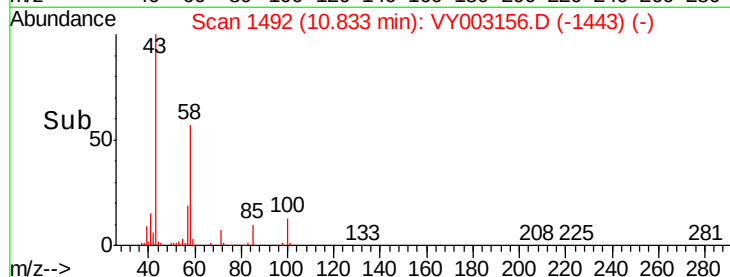
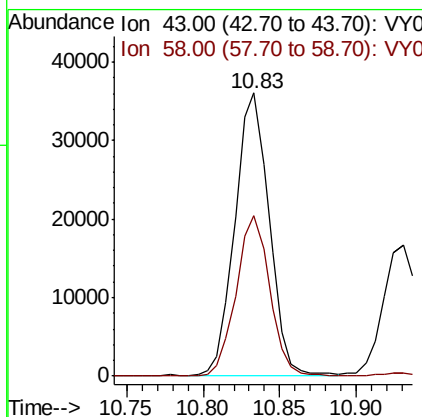
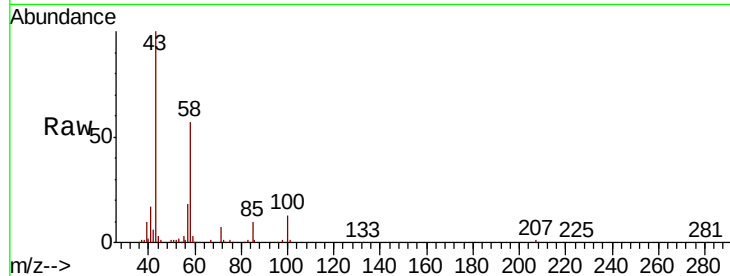
#59
2-Hexanone
Concen: 20.546 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 56287
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0

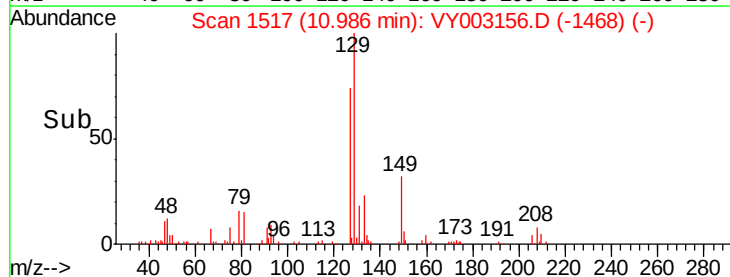
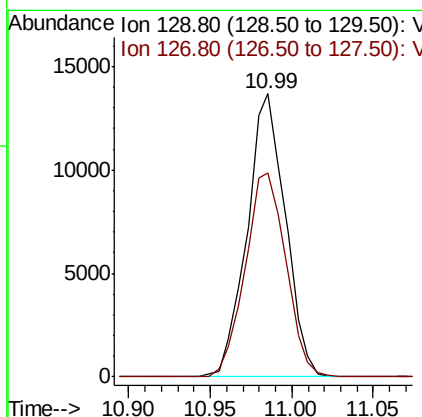
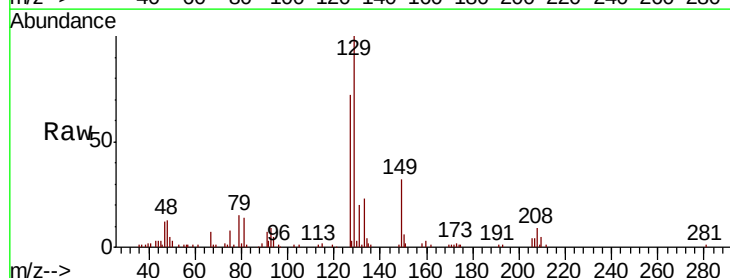
Manual Integrations
APPROVED

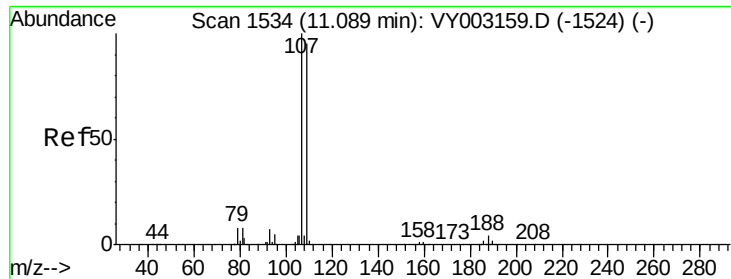
MMDadoda
7/13/2020 10:47:30 AM



#60
Dibromochloromethane
Concen: 4.524 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion: 129 Resp: 22405
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





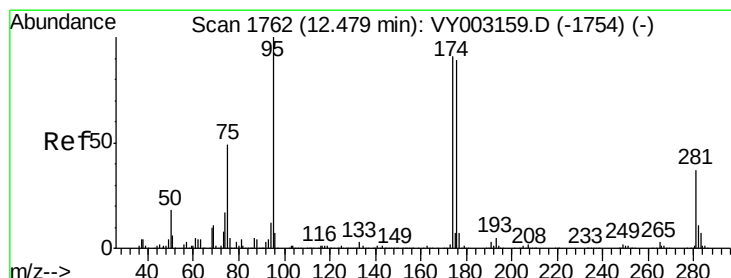
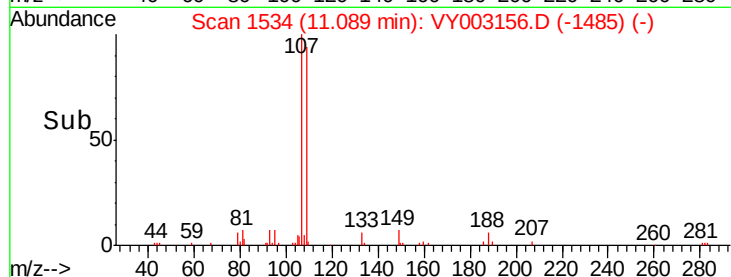
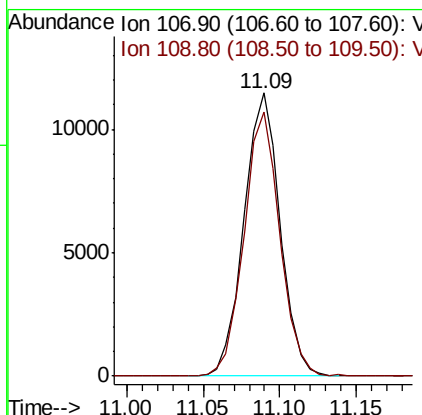
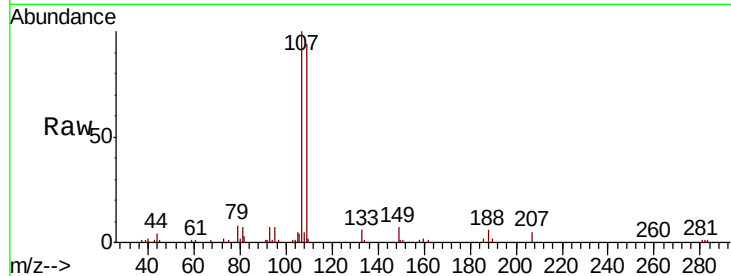
#61
 1,2-Dibromoethane
 Concen: 4.926 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.6	113.4

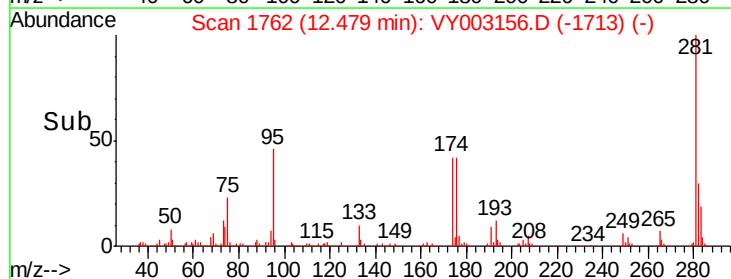
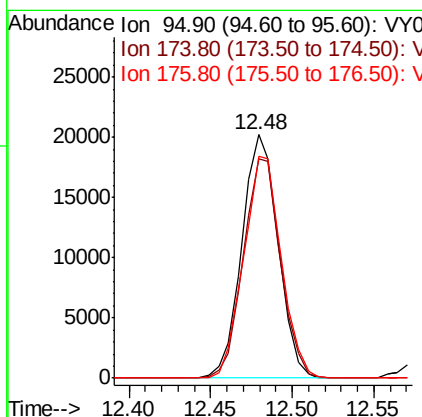
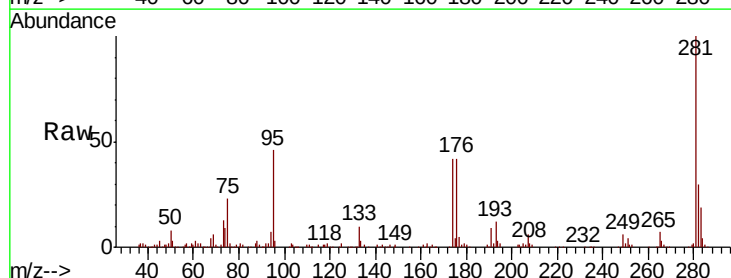
Manual Integrations
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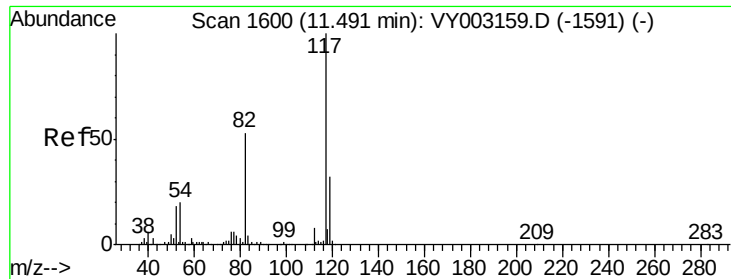
MMDadoda
 7/13/2020 10:47:30 AM



#62
 4-Bromofluorobenzene
 Concen: 5.506 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	190.6
176	94.1	0.0	186.4





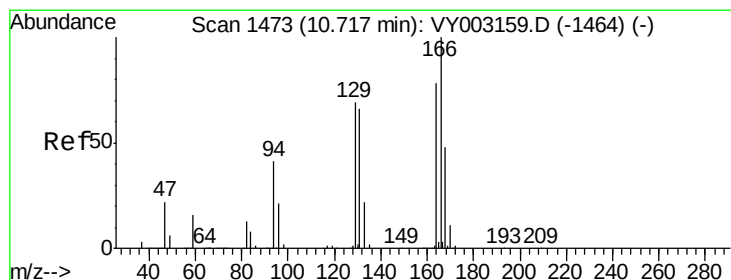
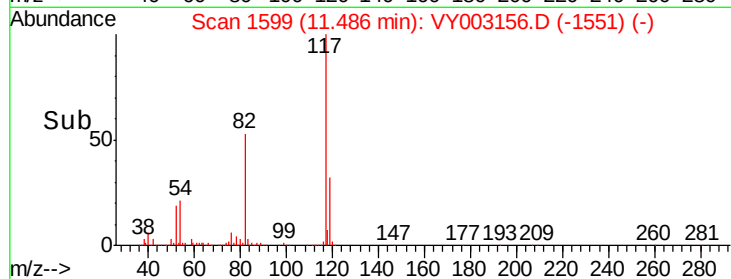
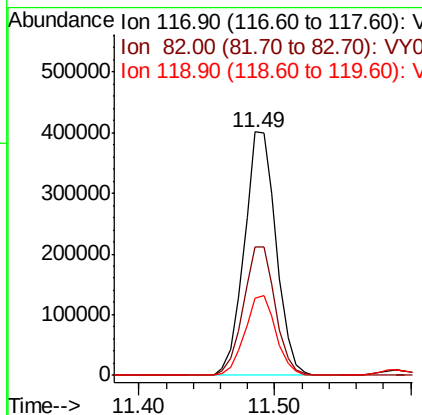
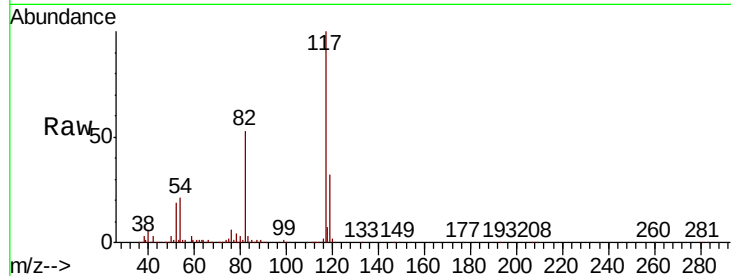
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	654799		
82	52.8		42.0	63.0
119	31.7		25.5	38.3

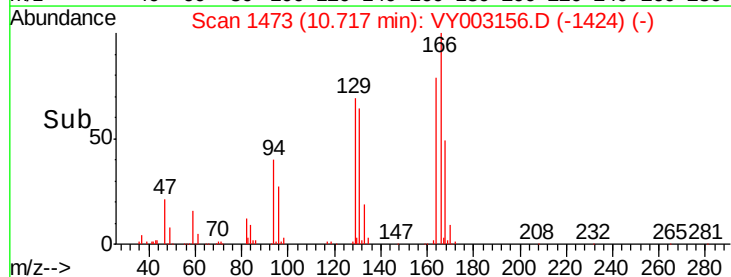
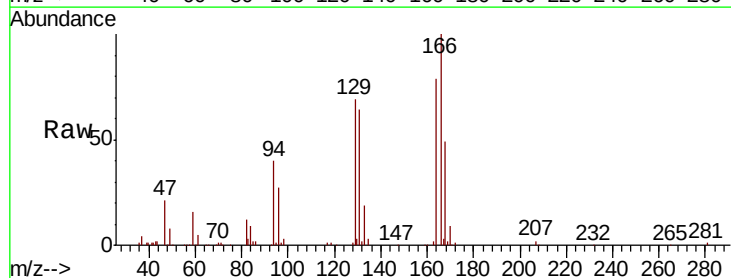
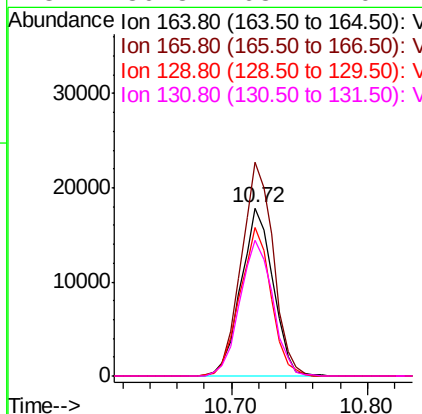
Manual Integrations
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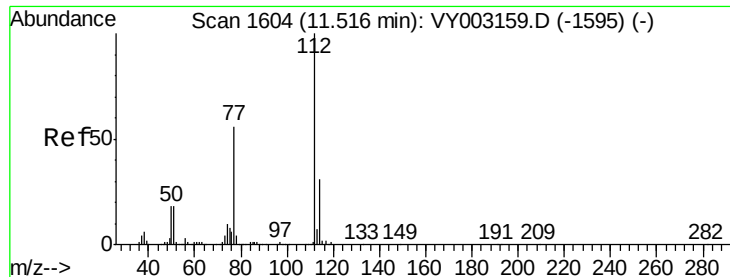
MMDadoda
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#64
Tetrachloroethene
Concen: 5.334 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29435		
166	126.9		102.9	154.3
129	88.0		71.4	107.2
131	80.8		68.1	102.1





#65

Chlorobenzene

Concen: 4.868 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 62104

Ion Ratio Lower Upper

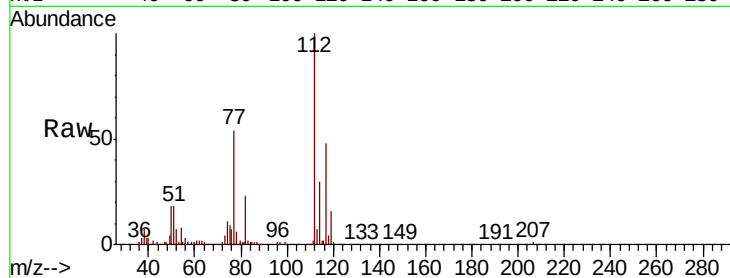
112 100

114 29.5 24.7 37.1

Manual Integrations
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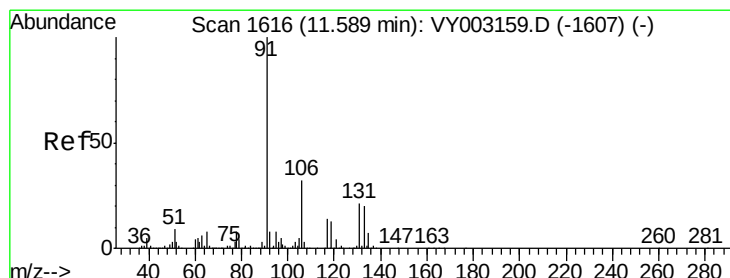
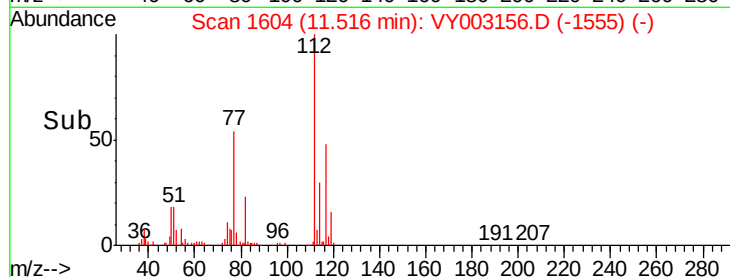
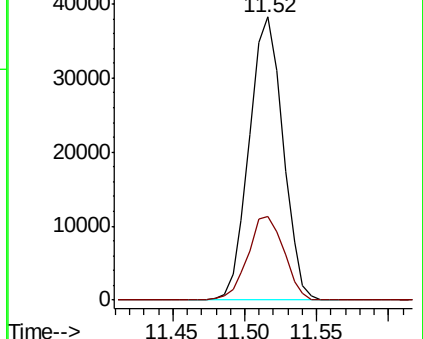
MMDadoda

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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: 4.825 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

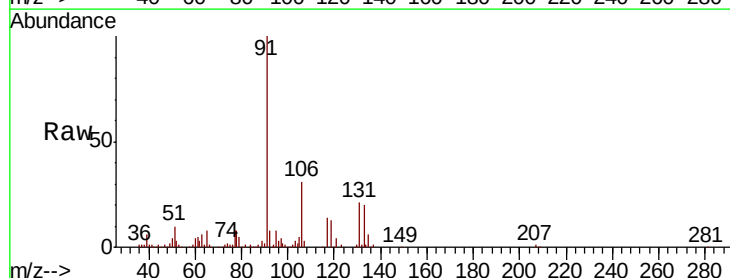
Tgt Ion:131 Resp: 23953

Ion Ratio Lower Upper

131 100

133 90.5 48.0 144.0

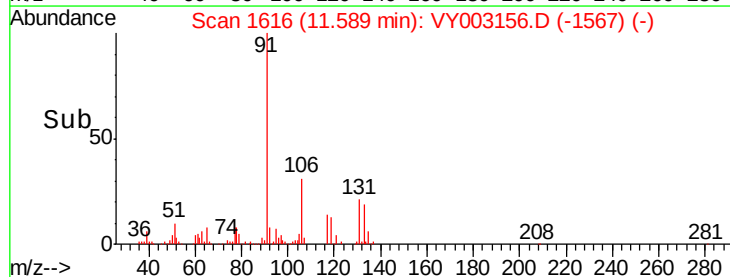
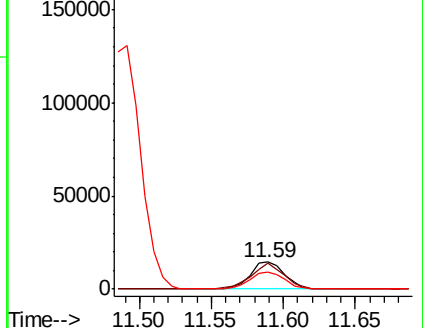
119 65.0 32.4 97.0

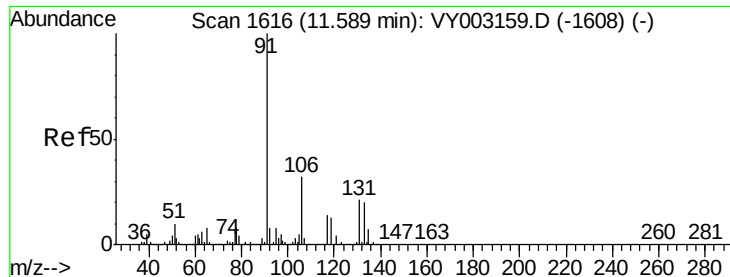


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





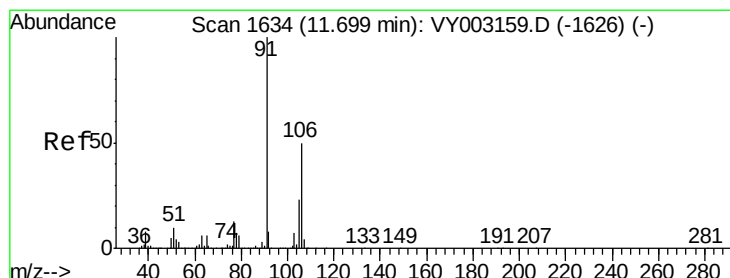
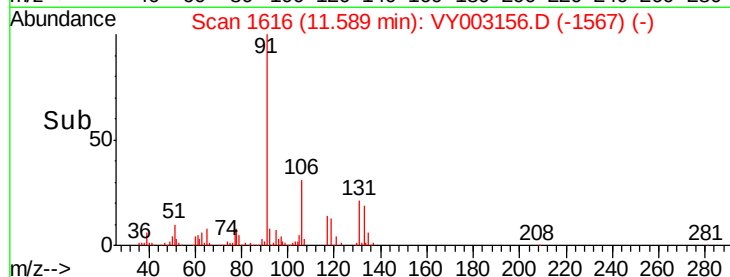
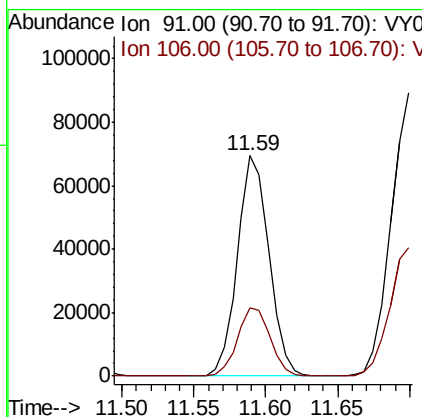
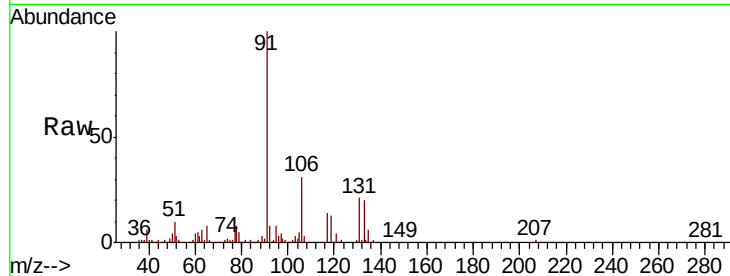
#67
Ethyl Benzene
Concen: 4.549 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.5	38.3

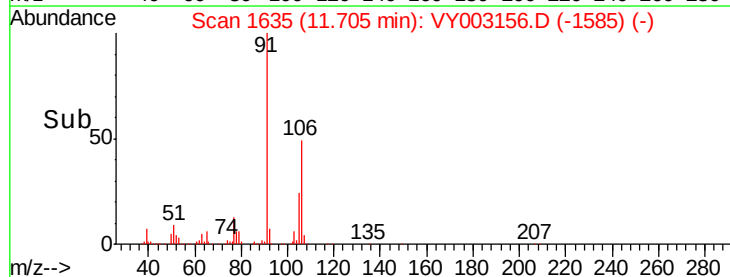
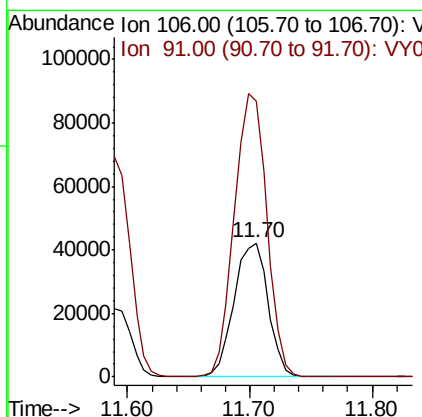
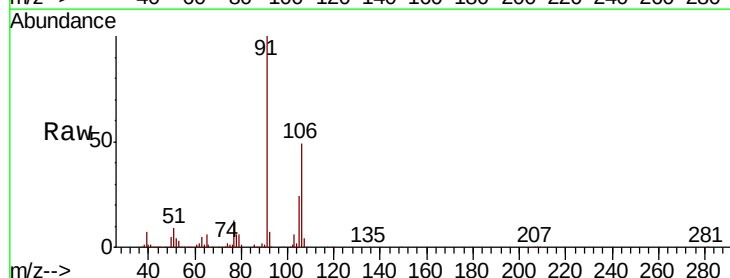
Manual Integrations
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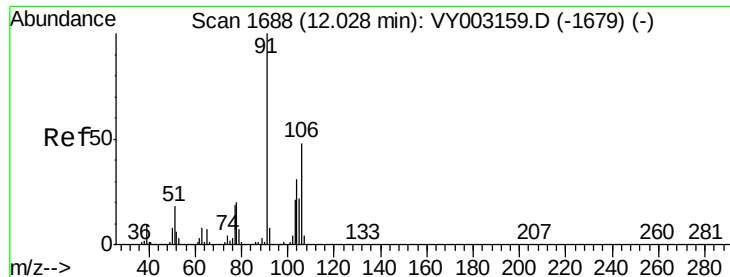
MMDadoda
7/13/2020 10:47:30 AM



#68
m/p-Xylenes
Concen: 9.397 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.5	159.0	238.6





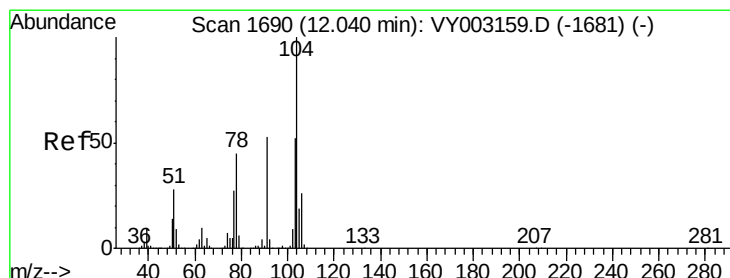
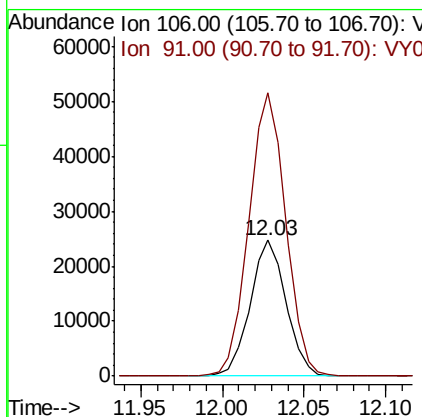
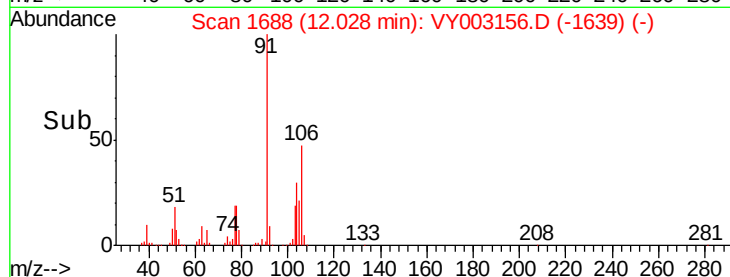
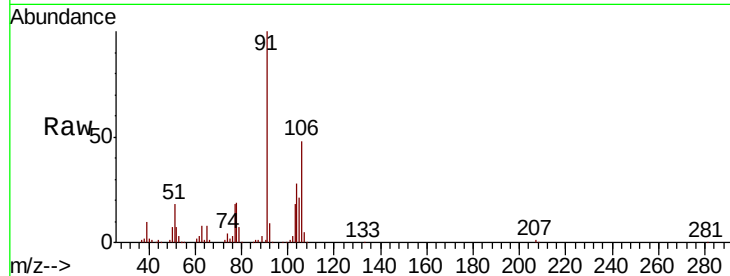
#69
o-Xylene
Concen: 4.619 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 37734
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.1

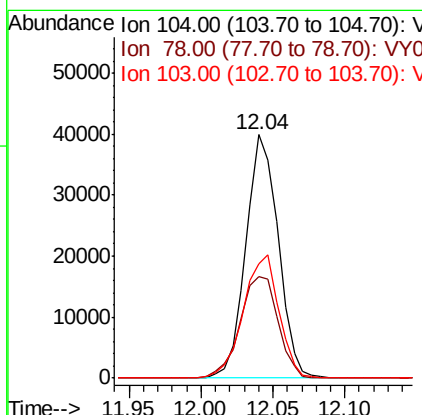
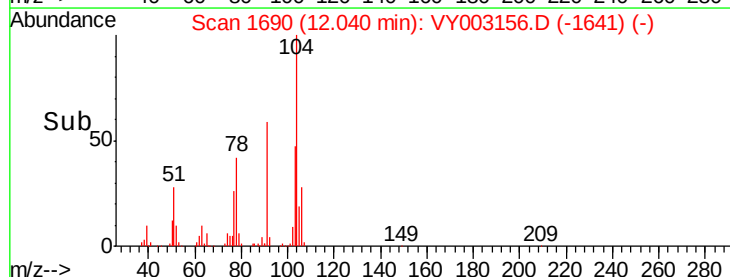
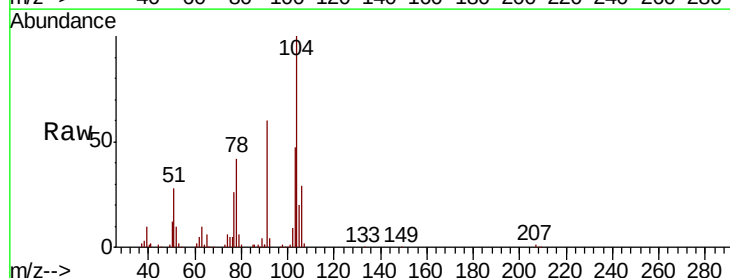
Manual Integrations
APPROVED

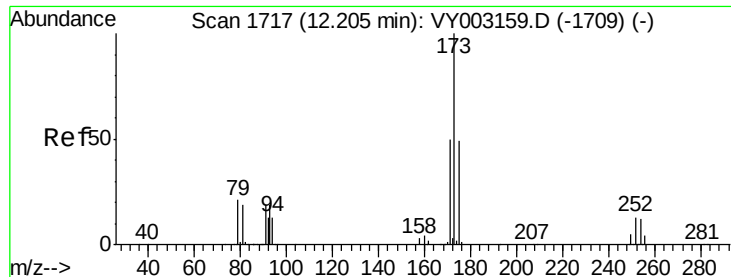
MMDadoda
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#70
Styrene
Concen: 4.431 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion:104 Resp: 61867
Ion Ratio Lower Upper
104 100
78 49.4 38.5 57.7
103 55.9 43.9 65.9





#71

Bromoform

Concen: 4.629 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

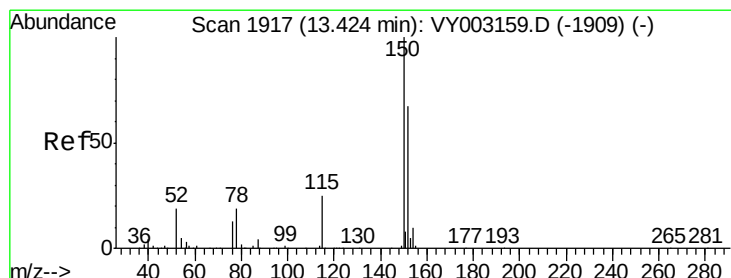
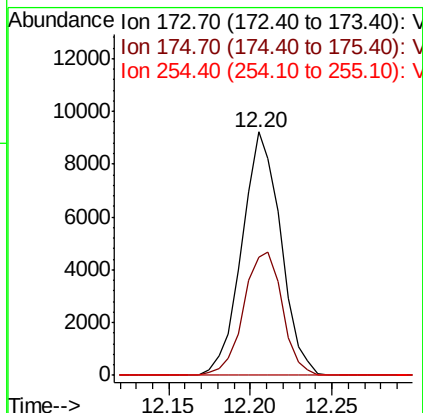
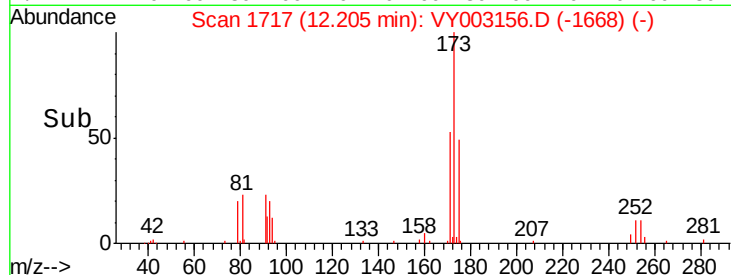
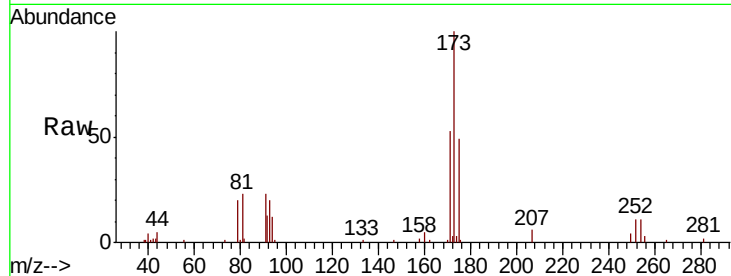
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.3	73.0
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

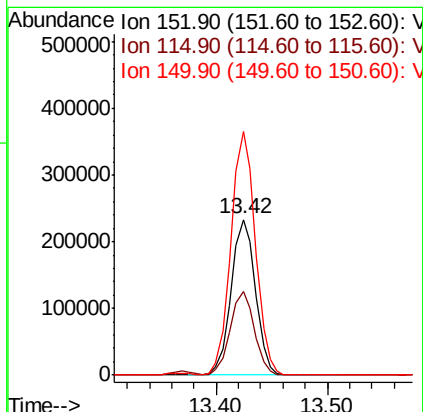
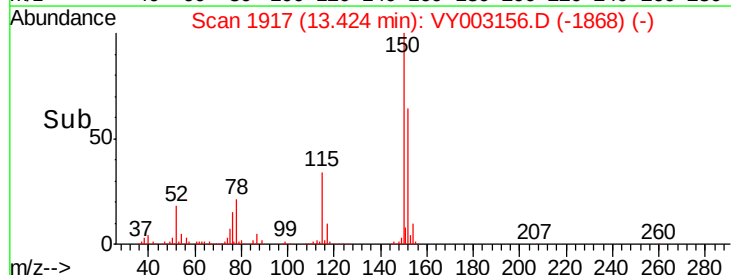
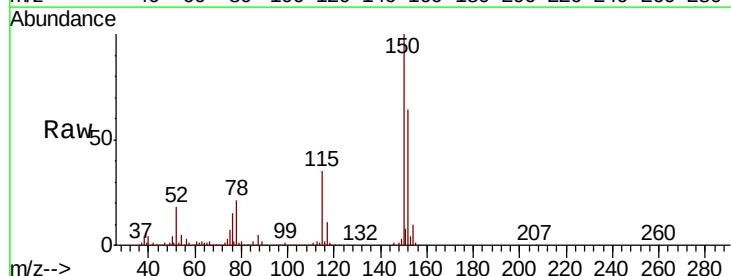
RT: 13.42 min Scan# 1917

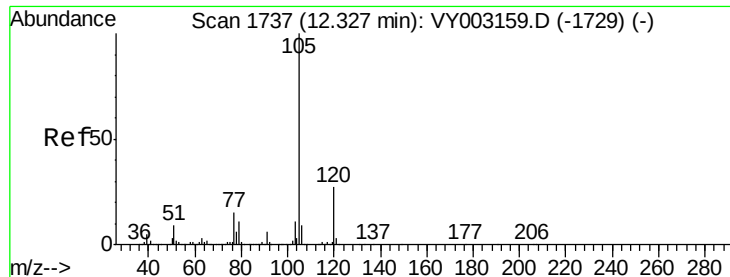
Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.9	80.7
150	157.6	0.0	338.0





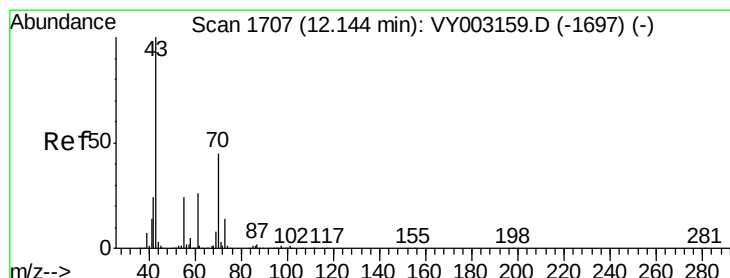
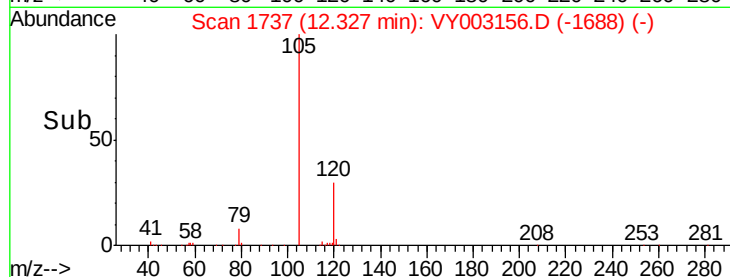
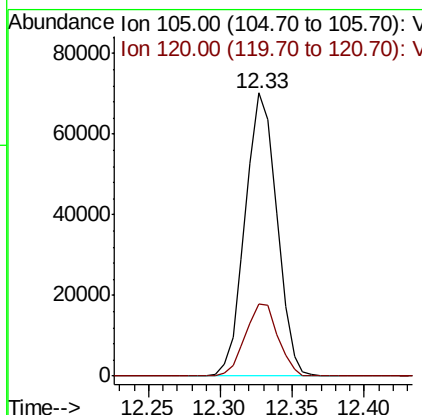
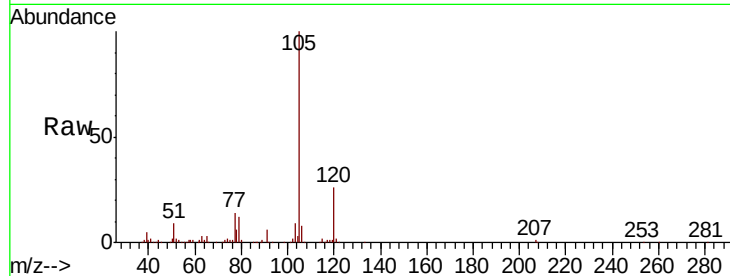
#73
Isopropylbenzene
Concen: 4.723 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.2

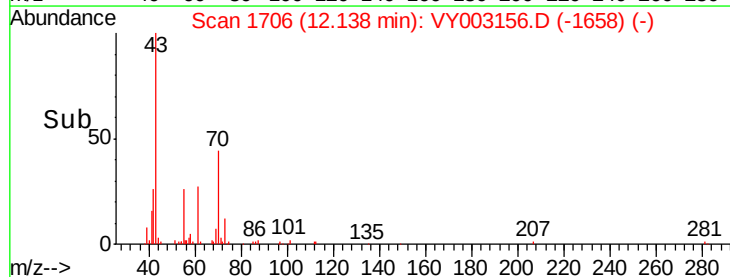
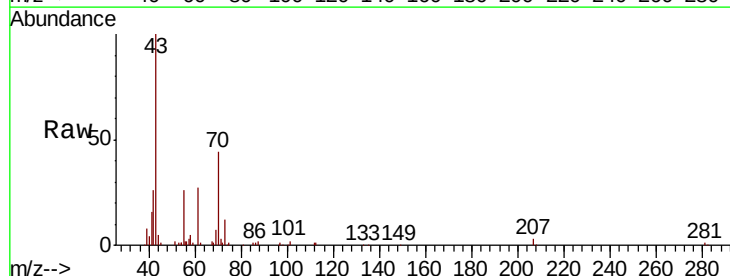
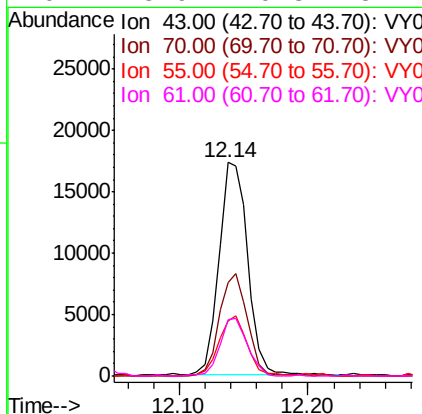
Manual Integrations
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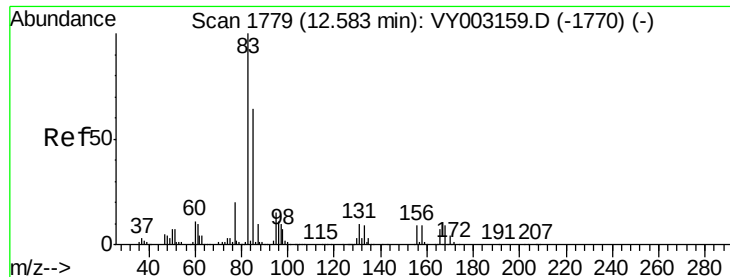
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#74
N-ethyl acetate
Concen: 3.758 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.5	35.6	53.4
55	28.5	19.4	29.2
61	25.9	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.590 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

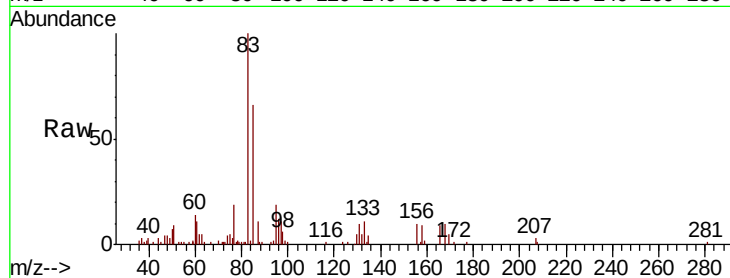
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20858
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	63.7	32.0	96.0

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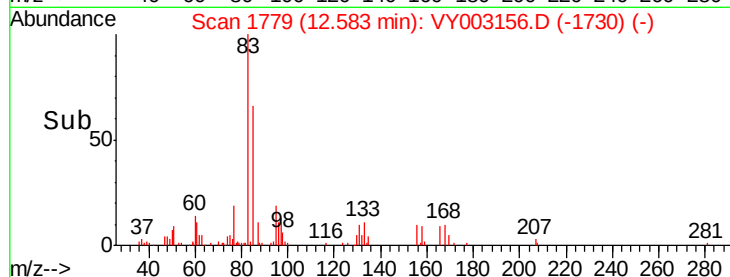


Abundance Ion 82.90 (82.60 to 83.60): VY003159.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY003159.D (-1770) (-)

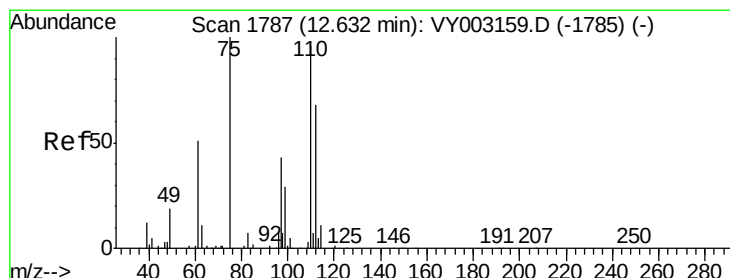
Ion 84.90 (84.60 to 85.60): VY003159.D (-1770) (-)

Time-->



Abundance

Time-->



#76

1,2,3-Trichloropropane

Concen: 4.538 ug/l m

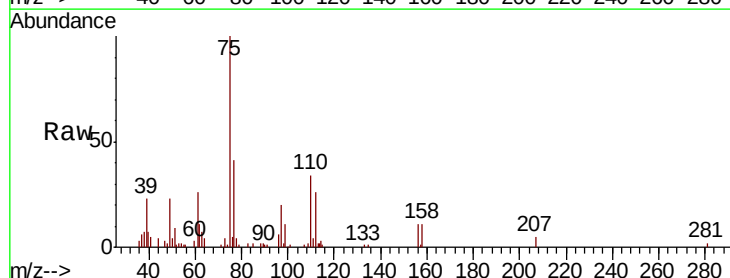
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

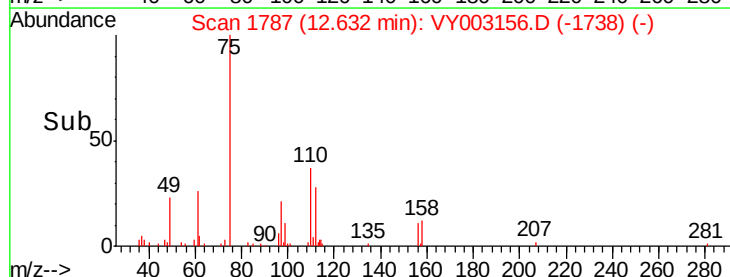
Tgt Ion:	75	Resp:	15304
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY003159.D (-1785) (-)

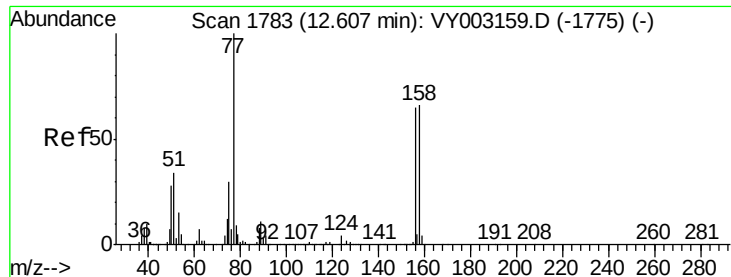
Ion 77.00 (76.70 to 77.70): VY003159.D (-1785) (-)

Time-->



Abundance

Time-->



#77

Bromobenzene

Concen: 4.653 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 27052

Ion Ratio Lower Upper

156 100

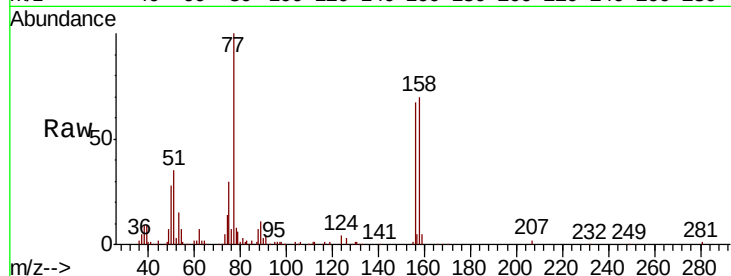
77 167.9 86.6 259.7

158 99.0 49.4 148.0

Manual Integrations
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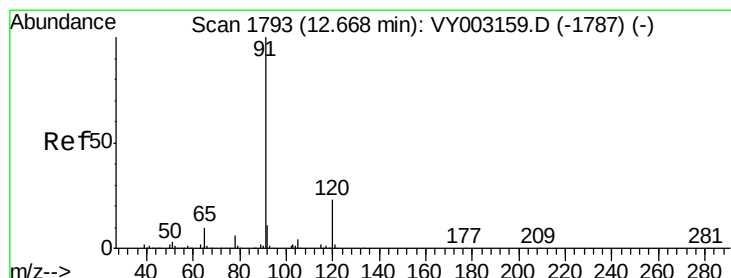
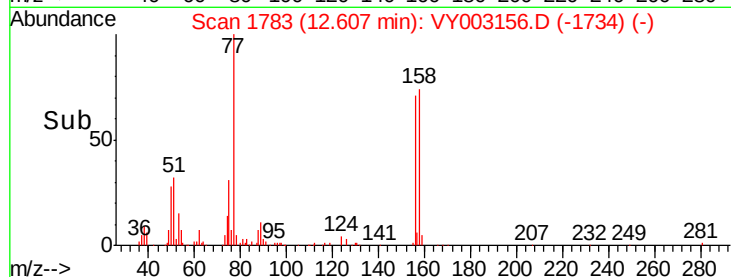
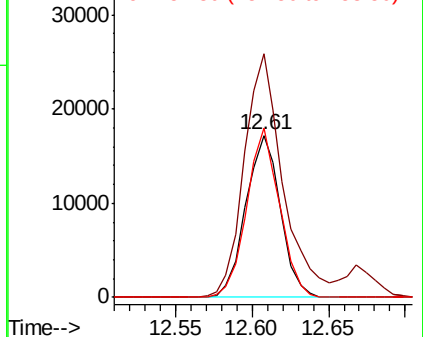
7/13/2020 10:47:30 AM



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: 4.557 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003156.D

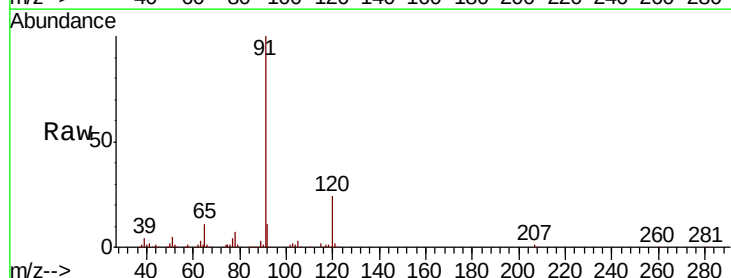
Acq: 10 Jul 2020 11:07

Tgt Ion: 91 Resp: 124119

Ion Ratio Lower Upper

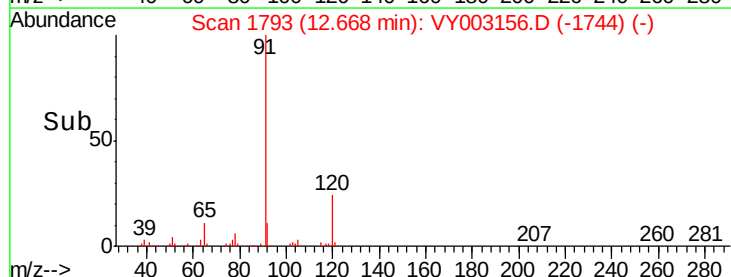
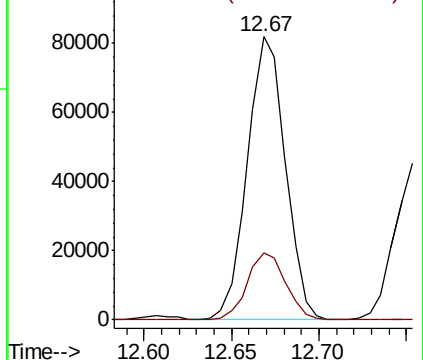
91 100

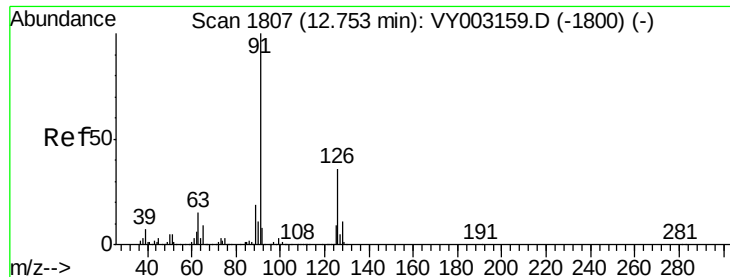
120 23.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.636 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 70463

Ion Ratio Lower Upper

91 100

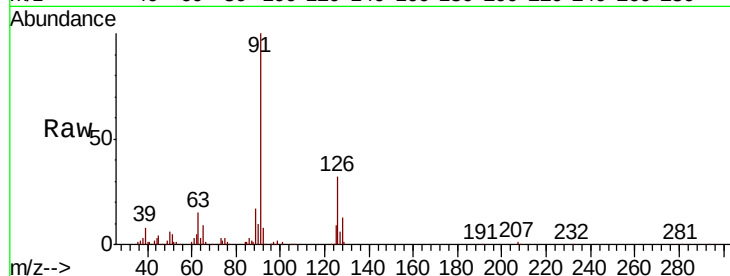
126 36.3 17.6 52.9

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Abundance Ion 91.00 (90.70 to 91.70): VY003156.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003156.D (-1758) (-)

80000

60000

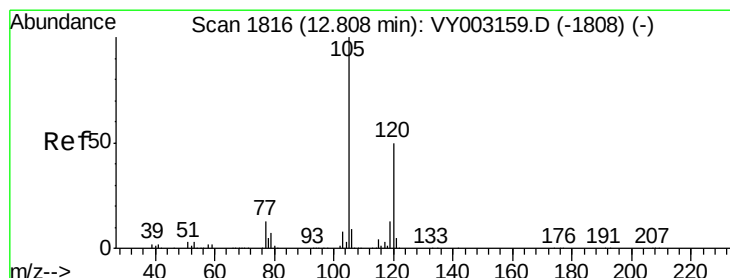
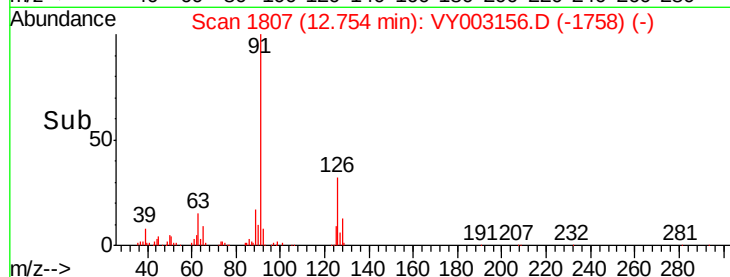
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.710 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003156.D

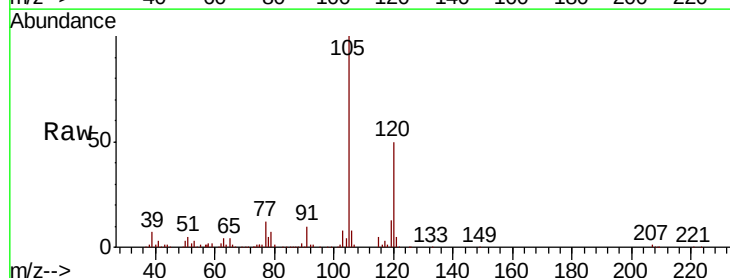
Acq: 10 Jul 2020 11:07

Tgt Ion: 105 Resp: 89629

Ion Ratio Lower Upper

105 100

120 48.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003156.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003156.D (-1767) (-)

60000

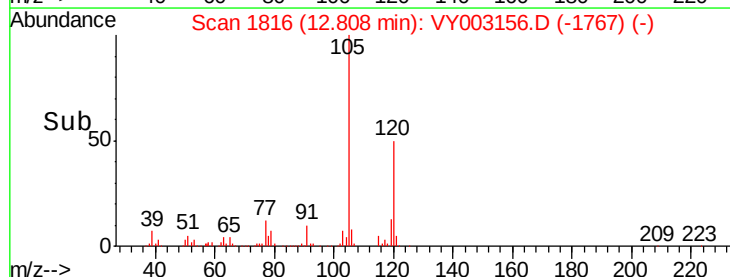
40000

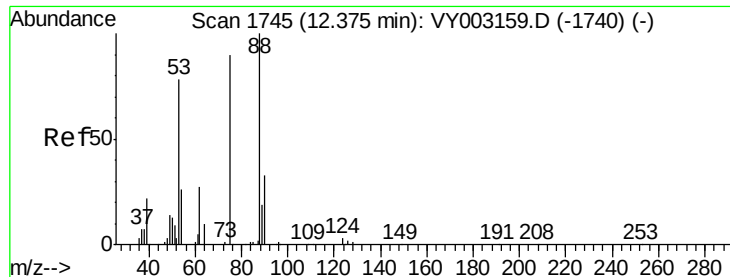
20000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.246 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 7368

Ion Ratio Lower Upper

75 100

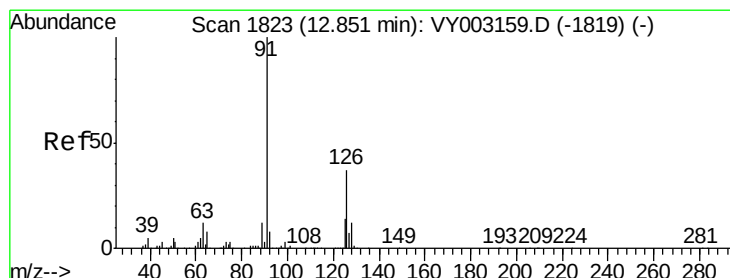
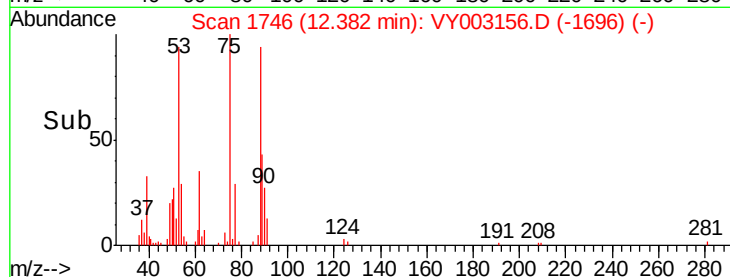
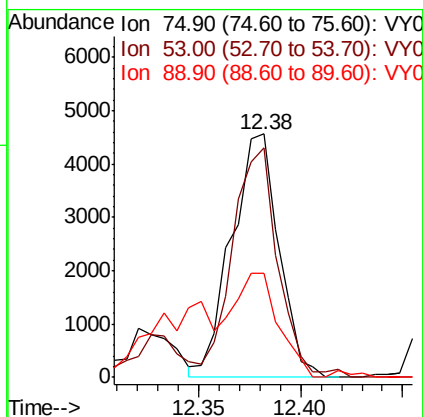
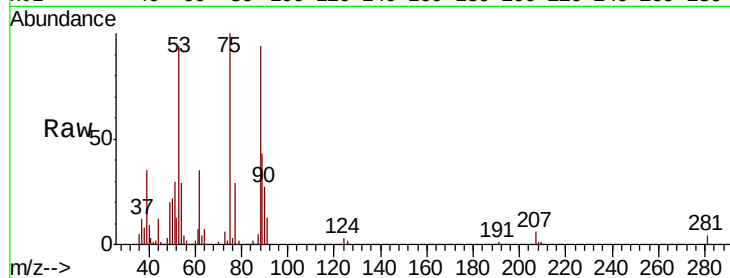
53 90.1 72.0 108.0

89 42.4 37.3 55.9

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#82

4-Chlorotoluene

Concen: 4.684 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003156.D

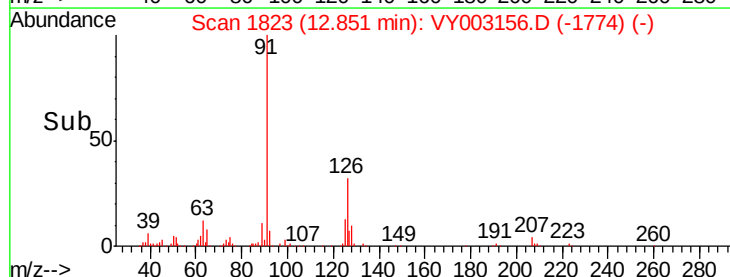
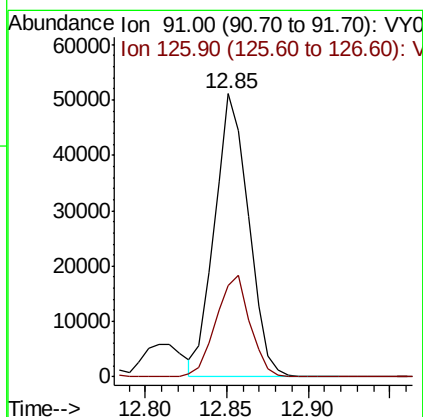
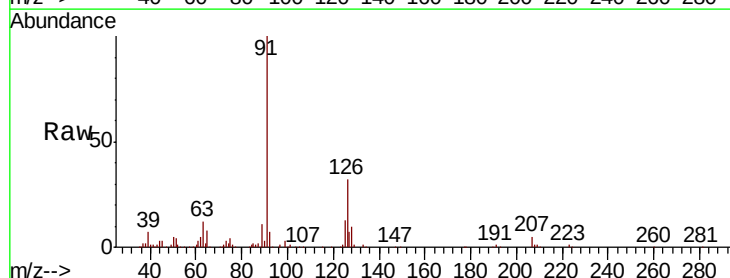
Acq: 10 Jul 2020 11:07

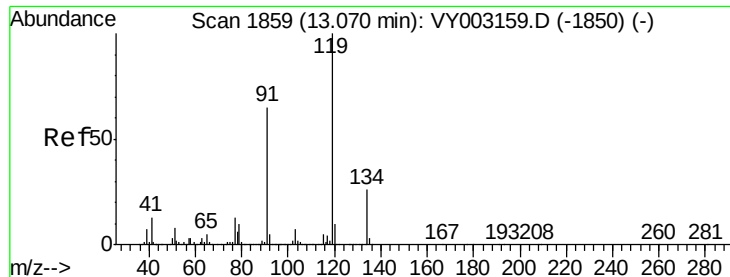
Tgt Ion: 91 Resp: 74091

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7





#83

tert-Butylbenzene

Concen: 4.612 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Instrument :

MSVOA_Y

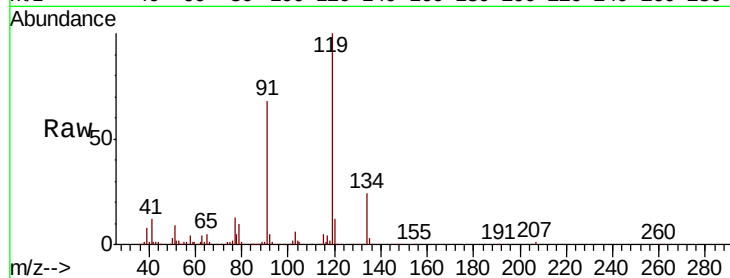
ClientSampleId :

VSTDIC005

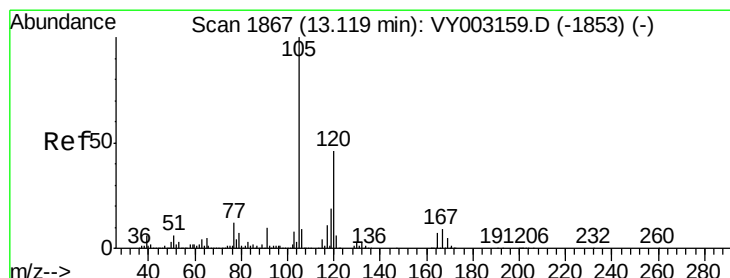
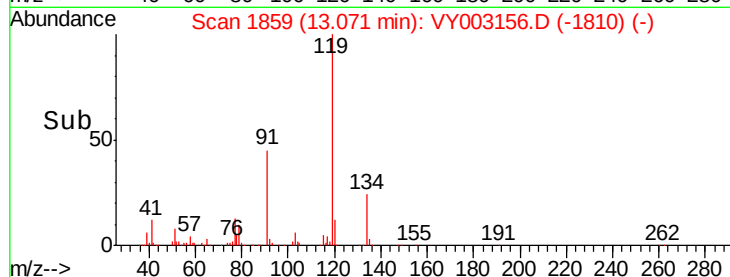
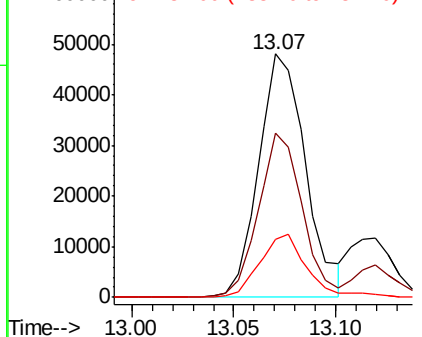
Tot Ion:	119	Resp:	77144
Ion Ratio	Lower	Upper	
119	100		
91	62.9	30.8	92.4
134	26.2	13.2	39.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.662 ug/l

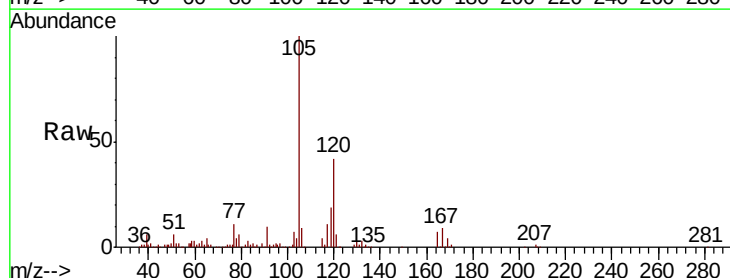
RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

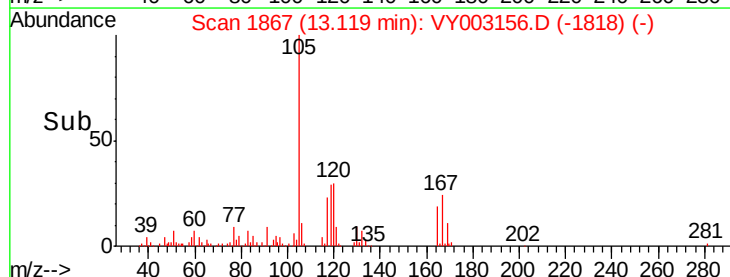
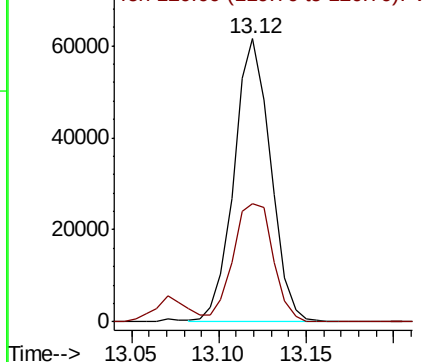
Lab File: VY003156.D

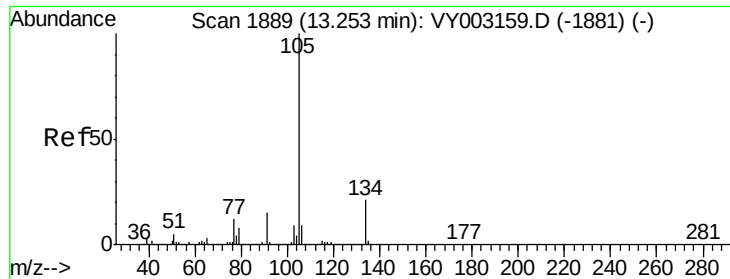
Acq: 10 Jul 2020 11:07

Tgt Ion:	105	Resp:	89419
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.5	67.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





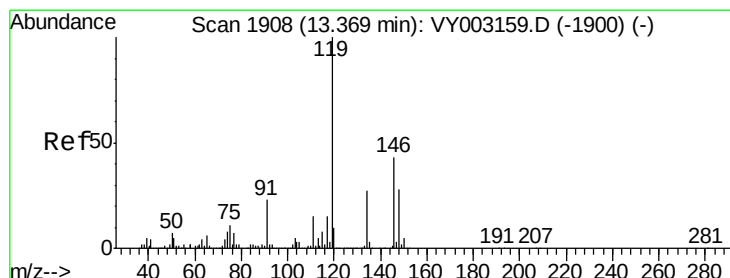
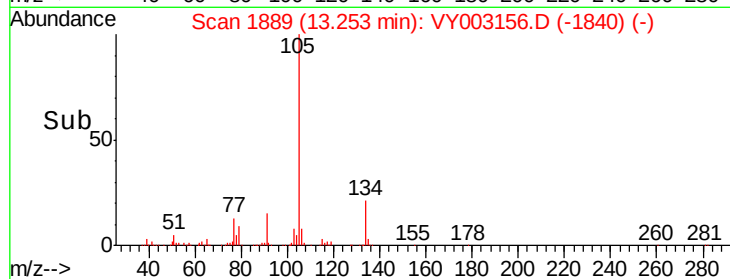
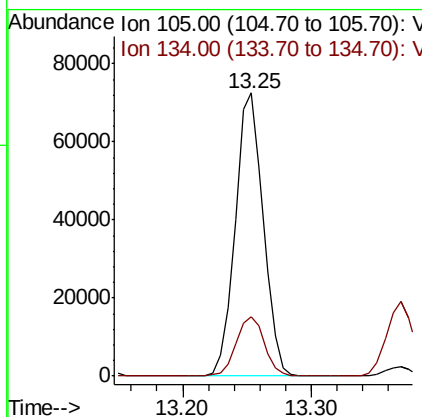
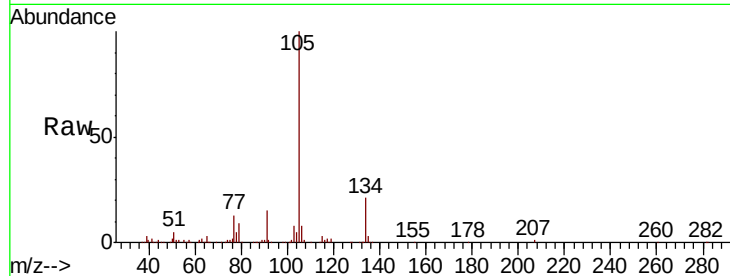
#85
 sec-Butylbenzene
 Concen: 4.741 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.4	31.4

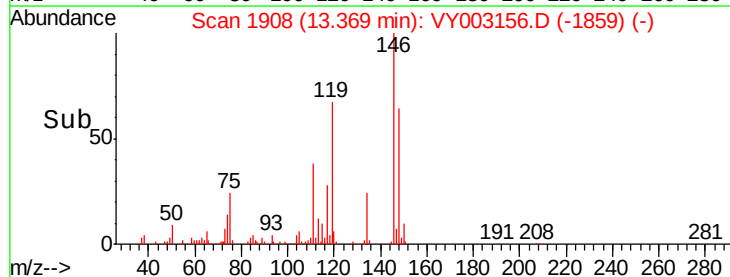
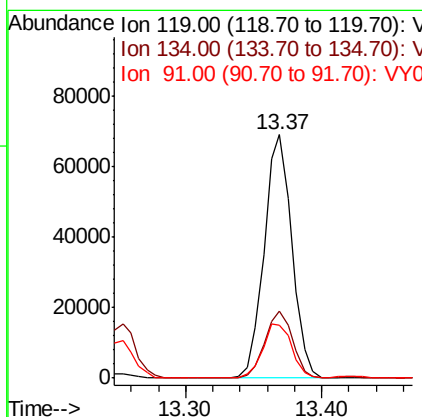
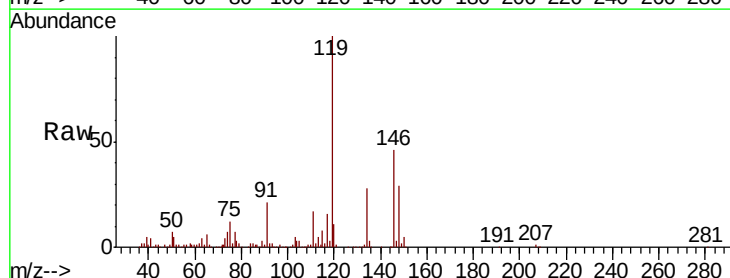
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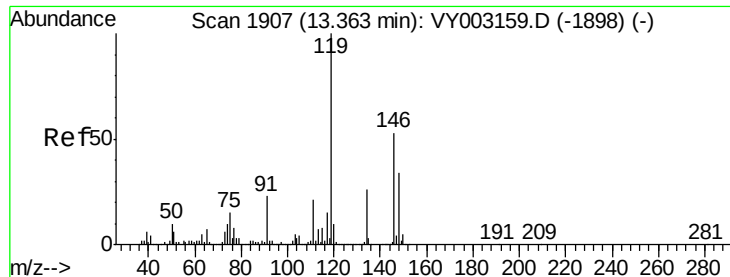
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#86
 p-Isopropyltoluene
 Concen: 4.646 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	23.4	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 4.767 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

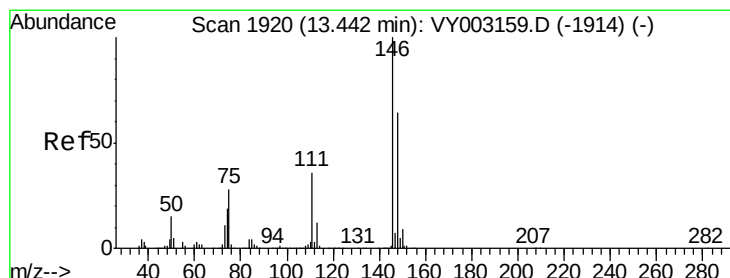
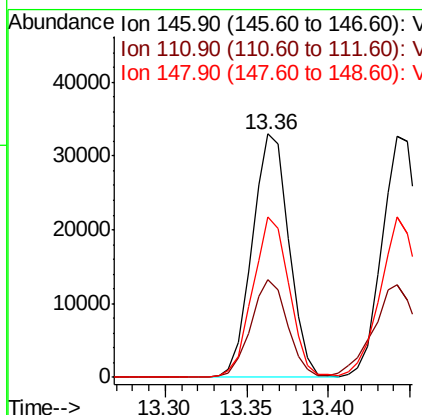
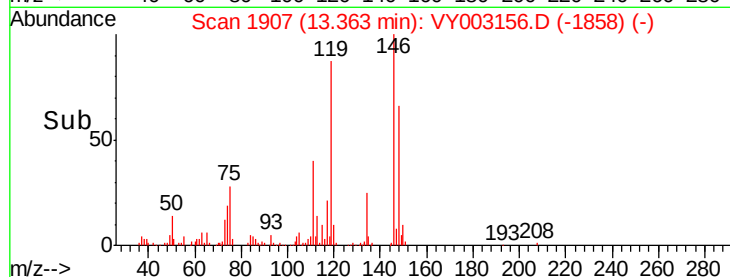
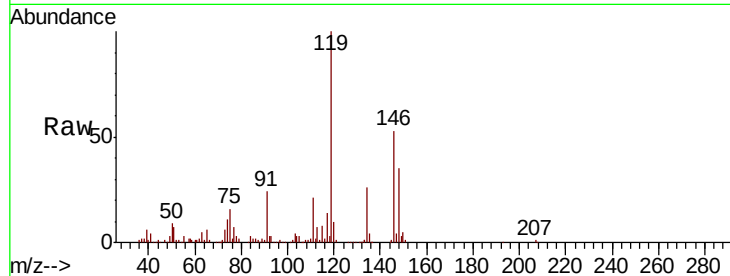
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.8	56.3
148	65.4	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 4.869 ug/l

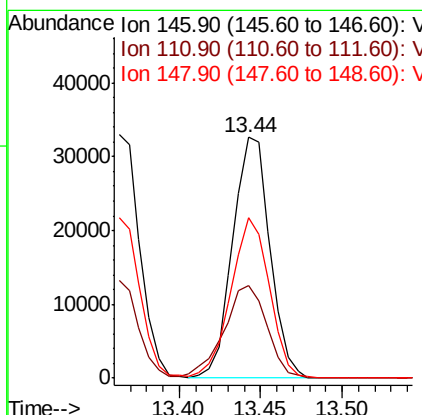
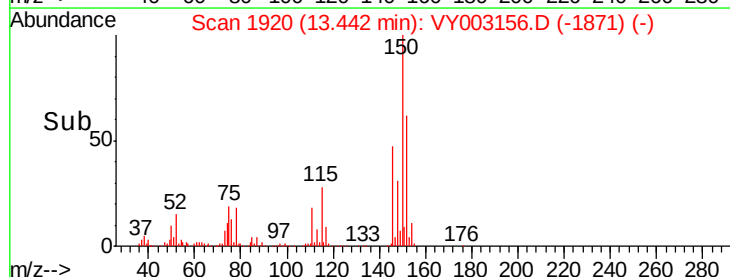
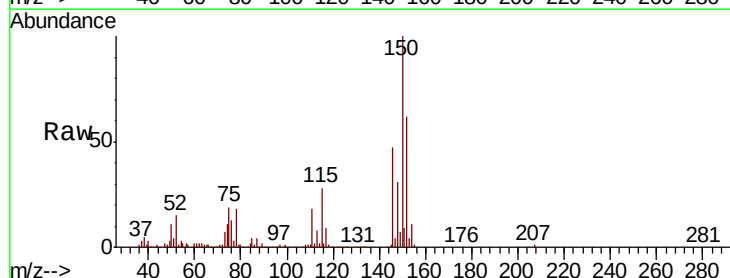
RT: 13.44 min Scan# 1920

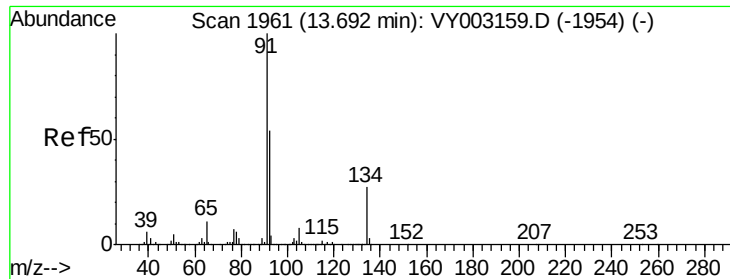
Delta R.T. 0.00 min

Lab File: VY003156.D

Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	18.4	55.0
148	68.5	32.0	96.0





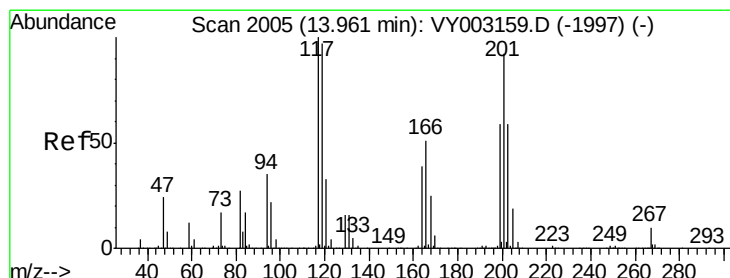
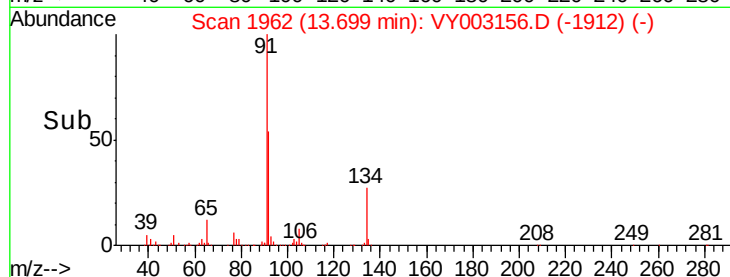
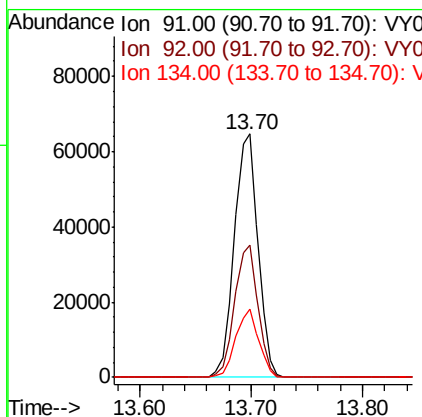
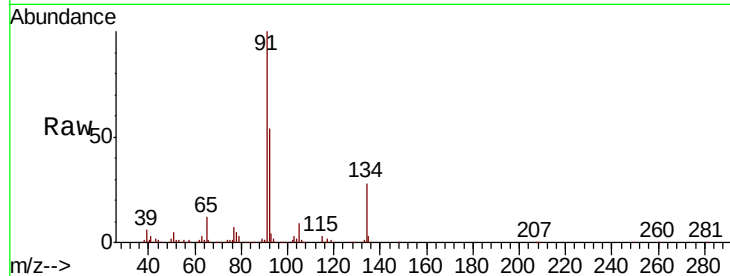
#89
n-Butylbenzene
Concen: 4.669 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	27.2	13.6	40.7

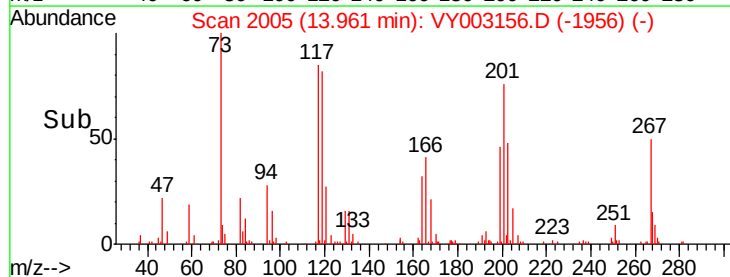
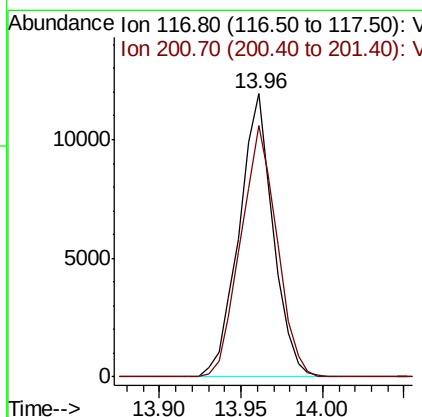
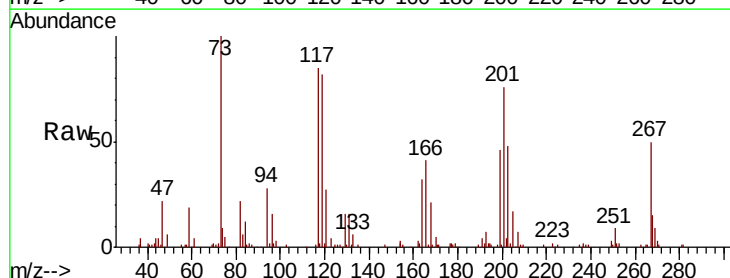
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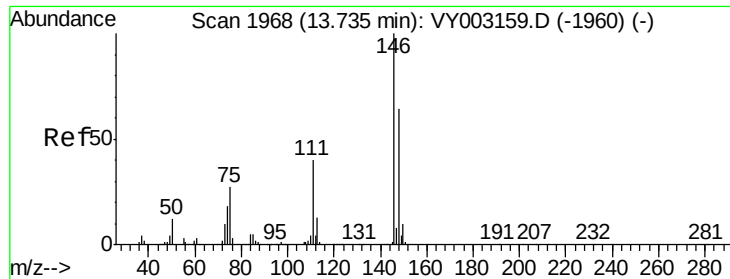
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#90
Hexachloroethane
Concen: 4.153 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.9	45.1	135.3





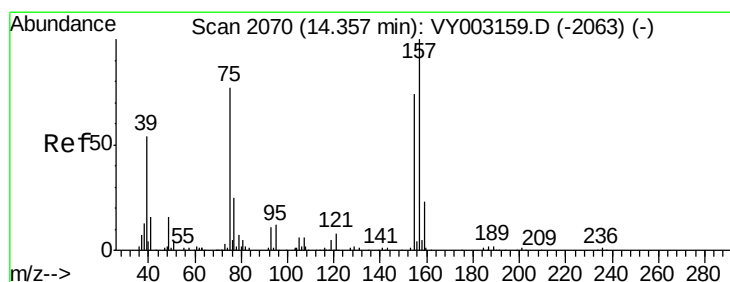
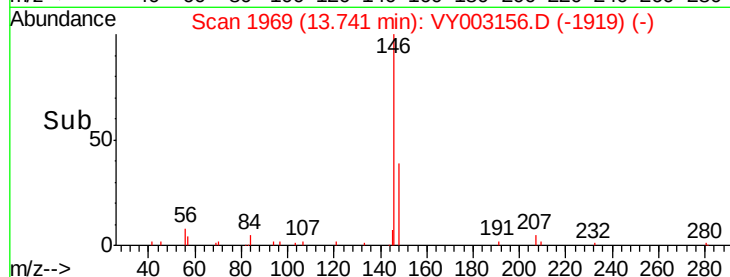
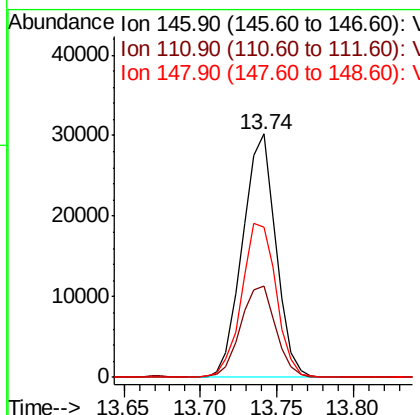
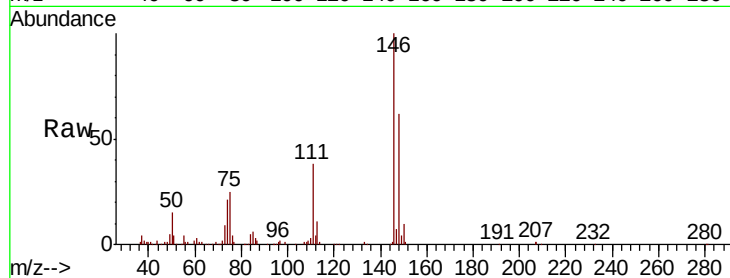
#91
 1,2-Dichlorobenzene
 Concen: 4.715 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	65.5	32.4	97.0

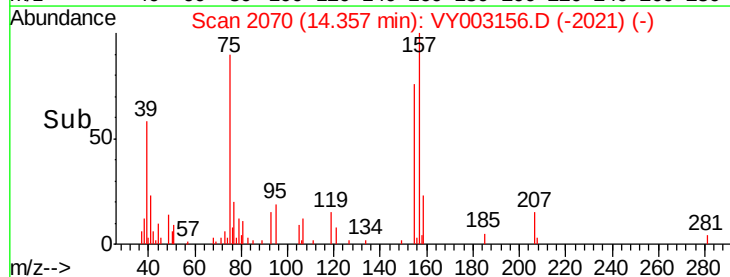
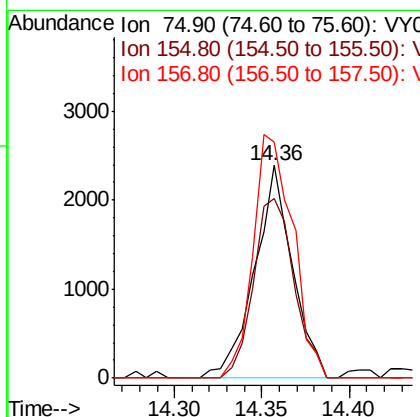
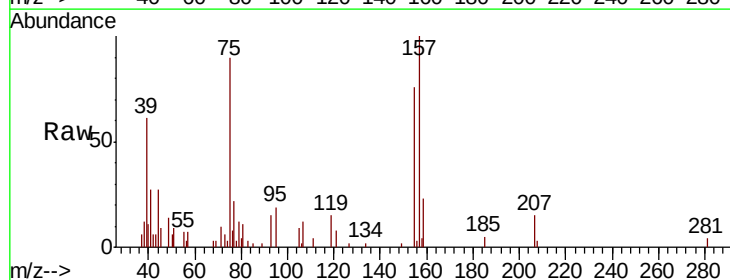
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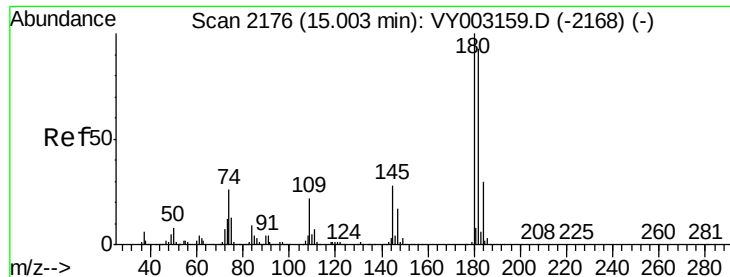
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.603 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	48.1	144.3
157	118.9	61.9	185.6





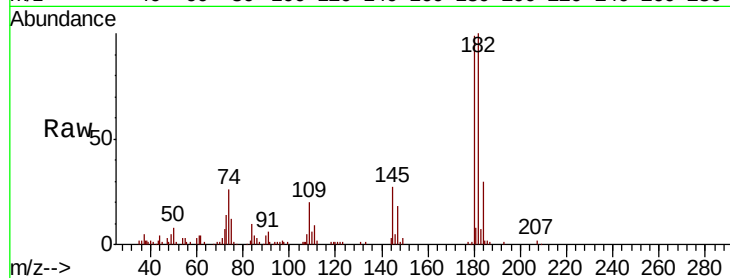
#93
 1,2,4-Trichlorobenzene
 Concen: 4.600 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32931		
182	98.6	47.3	142.0	
145	28.6	13.7	41.1	

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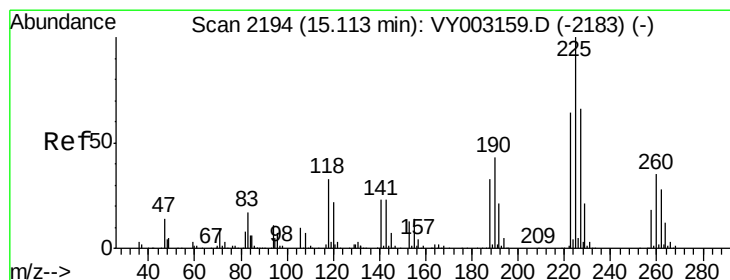
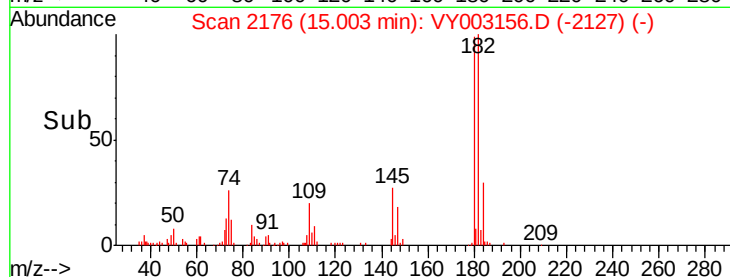
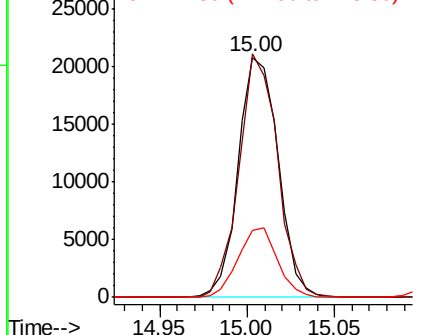


Abundance

Ion 179.80 (179.50 to 180.50): V

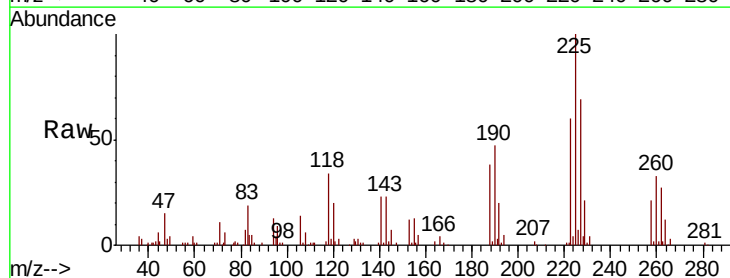
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.247 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003156.D
 Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23977		
223	58.8	31.6	94.7	
227	63.3	32.3	96.8	

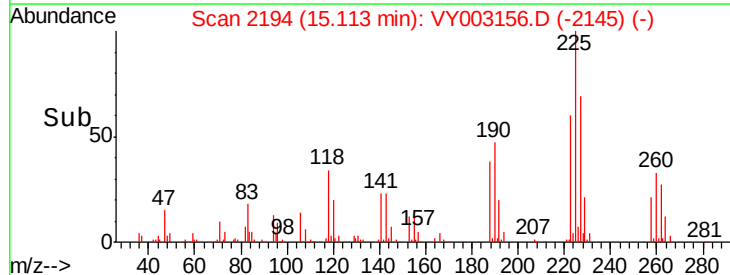
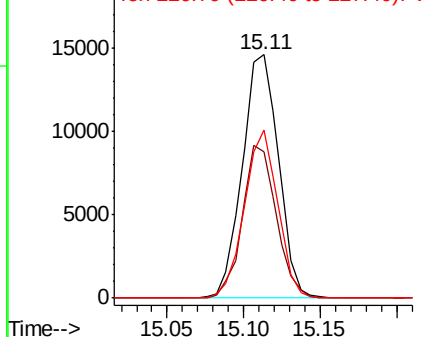


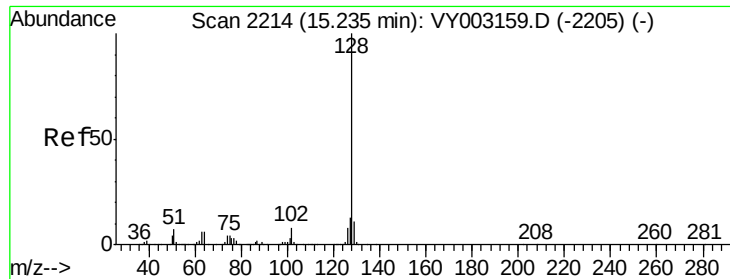
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





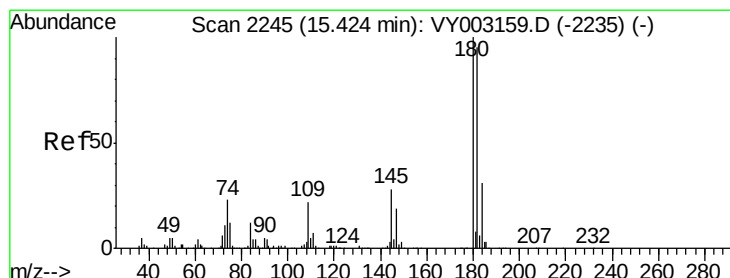
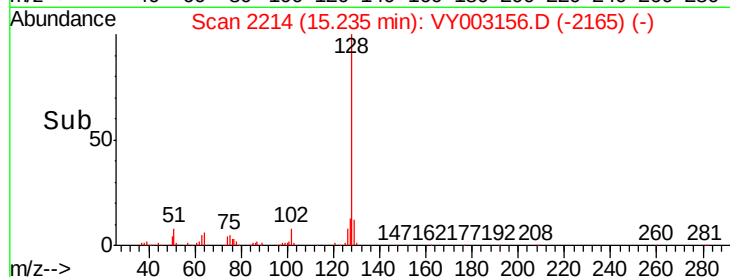
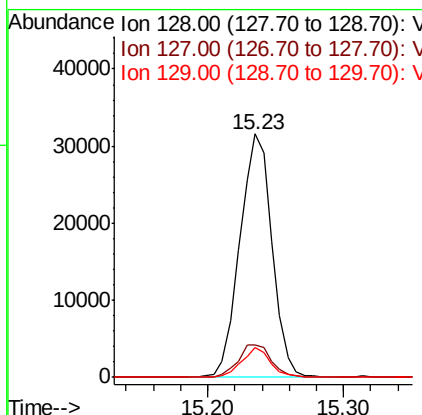
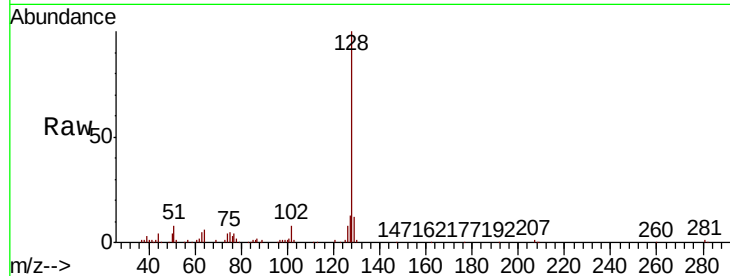
#95
Naphthalene
Concen: 4.071 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.283 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003156.D
Acq: 10 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.8	146.3
145	30.4	14.9	44.5

