

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002755.D
 Acq On : 27 May 2020 11:04
 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
 5/28/2020 2:08:31 PM

Quant Time: May 27 12:46:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	440160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	14279	6.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.04%	
35) Dibromofluoromethane	7.73	113	13905	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
50) Toluene-d8	10.18	98	58177	5.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.82%	
62) 4-Bromofluorobenzene	12.48	95	19683	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	12277	5.773	ug/l 99
3) Chloromethane	2.12	50	12865	5.324	ug/l 97
4) Vinyl Chloride	2.26	62	12978	5.141	ug/l 95
5) Bromomethane	2.65	94	10961	5.854	ug/l 99
6) Chloroethane	2.80	64	8389	5.191	ug/l 98
7) Trichlorofluoromethane	3.13	101	23219	5.403	ug/l 99
8) Diethyl Ether	3.54	74	9763	6.614	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13509	5.177	ug/l 97
10) Methyl Iodide	4.10	142	16591	4.650	ug/l 99
11) Tert butyl alcohol	4.96	59	11053	45.181	ug/l 96
12) 1,1-Dichloroethene	3.88	96	13564	5.198	ug/l 98
13) Acrolein	3.74	56	7583	27.040	ug/l 100
14) Allyl chloride	4.49	41	18772	4.997	ug/l 99
15) Acrylonitrile	5.17	53	19034	28.278	ug/l 98
16) Acetone	3.96	43	16048	31.920	ug/l 94
17) Carbon Disulfide	4.20	76	41917	5.163	ug/l 99
18) Methyl Acetate	4.49	43	10998	7.894	ug/l 97
19) Methyl tert-butyl Ether	5.24	73	35653	5.436	ug/l 100
20) Methylene Chloride	4.72	84	17544	6.020	ug/l 96
21) trans-1,2-Dichloroethene	5.23	96	15148	5.219	ug/l 97
22) Diisopropyl ether	6.13	45	37932	5.074	ug/l 96
23) Vinyl Acetate	6.07	43	115428	23.931	ug/l 98
24) 1,1-Dichloroethane	6.03	63	22674	5.085	ug/l 97
25) 2-Butanone	7.00	43	24876	30.321	ug/l 96
26) 2,2-Dichloropropane	6.99	77	23960	5.745	ug/l 94
27) cis-1,2-Dichloroethene	7.00	96	16870	5.358	ug/l 96
28) Bromochloromethane	7.35	49	8908	4.996	ug/l 99
29) Tetrahydrofuran	7.36	42	15877	28.741	ug/l 99
30) Chloroform	7.52	83	23367	5.037	ug/l 96
31) Cyclohexane	7.78	56	26302	5.843	ug/l # 89
32) 1,1,1-Trichloroethane	7.71	97	23241	5.413	ug/l 98
36) 1,1-Dichloropropene	7.92	75	19690	5.309	ug/l 99
37) Ethyl Acetate	7.08	43	9798	5.315	ug/l # 94
38) Carbon Tetrachloride	7.90	117	21173	5.303	ug/l 96

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 VSTDIC005

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	26008	5.245	ug/l	97
40) Benzene	8.17	78	57156	5.281	ug/l	98
41) Methacrylonitrile	7.32	41	6013m	5.589	ug/l	
42) 1,2-Dichloroethane	8.24	62	15933	5.542	ug/l	98
43) Isopropyl Acetate	8.28	43	18918	5.495	ug/l	97
44) Trichloroethene	8.94	130	18321	5.319	ug/l	99
45) 1,2-Dichloropropane	9.22	63	13585	5.265	ug/l	95
46) Dibromomethane	9.31	93	7830	5.379	ug/l	98
47) Bromodichloromethane	9.50	83	18142	5.126	ug/l	98
48) Methyl methacrylate	9.30	41	8665	5.488	ug/l	97
49) 1,4-Dioxane	9.30	88	2534	124.741	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	50623	28.380	ug/l	99
52) Toluene	10.25	92	37111	5.283	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	19956	5.258	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	22796	5.205	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	12234	5.599	ug/l	93
56) Ethyl methacrylate	10.51	69	15358	5.298	ug/l	99
57) 1,3-Dichloropropane	10.79	76	20104	5.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	40804	28.661	ug/l	98
59) 2-Hexanone	10.83	43	34887	27.920	ug/l	96
60) Dibromochloromethane	10.99	129	15144	5.452	ug/l	100
61) 1,2-Dibromoethane	11.09	107	11968	5.569	ug/l	98
64) Tetrachloroethene	10.72	164	20329	5.240	ug/l	96
65) Chlorobenzene	11.52	112	42832	5.362	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	15879	5.336	ug/l	100
67) Ethyl Benzene	11.59	91	74394	5.317	ug/l	96
68) m/p-Xylenes	11.70	106	56930	10.456	ug/l	100
69) o-Xylene	12.03	106	26677	5.212	ug/l	99
70) Styrene	12.05	104	44947	5.108	ug/l	99
71) Bromoform	12.20	173	10404	5.606	ug/l #	99
73) Isopropylbenzene	12.33	105	74581	5.176	ug/l	99
74) N-amyl acetate	12.14	43	17417	5.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	12588	5.754	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	10462m	5.696	ug/l	
77) Bromobenzene	12.61	156	19937	5.501	ug/l	95
78) n-propylbenzene	12.67	91	86374	5.153	ug/l	99
79) 2-Chlorotoluene	12.75	91	48339	5.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	61958	5.116	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5278	5.388	ug/l	97
82) 4-Chlorotoluene	12.85	91	50402	5.154	ug/l	100
83) tert-Butylbenzene	13.08	119	54993	5.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	62628	5.166	ug/l	99
85) sec-Butylbenzene	13.25	105	77534	5.242	ug/l	99
86) p-Isopropyltoluene	13.37	119	70216	5.078	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	37502	5.366	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	38467	5.529	ug/l	96
89) n-Butylbenzene	13.70	91	64466	5.076	ug/l	100
90) Hexachloroethane	13.96	117	12813	4.990	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	33456	5.323	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2414	5.746	ug/l	96

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MSVOA_Y
ClientSampleId :
VSTDICC005

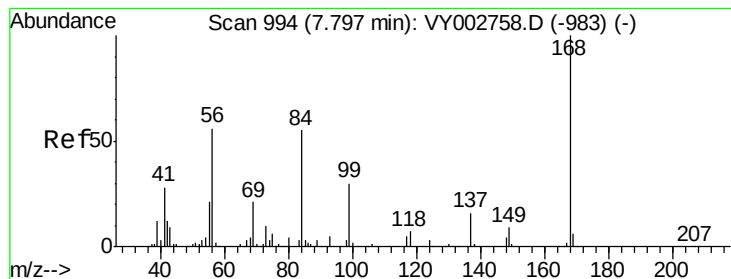
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	26108	5.366	ug/l	100
94) Hexachlorobutadiene	15.11	225	14356	4.909	ug/l	100
95) Naphthalene	15.23	128	50049	5.677	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	23008	5.417	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: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 299987

Ion Ratio Lower Upper

168 100

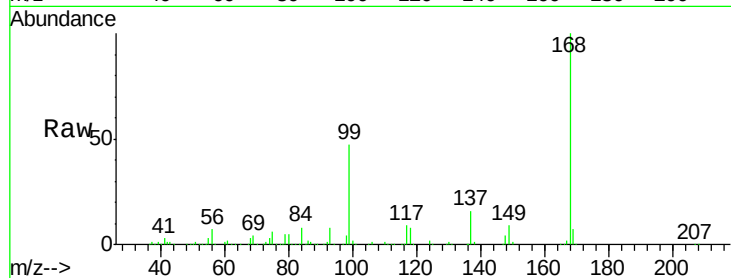
99 47.3 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

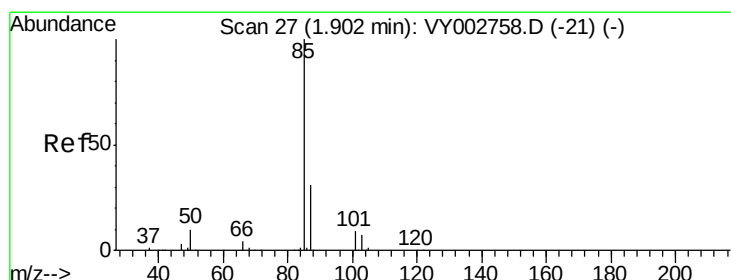
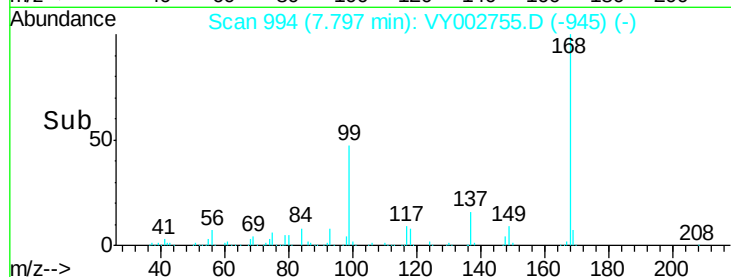
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.773 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002755.D

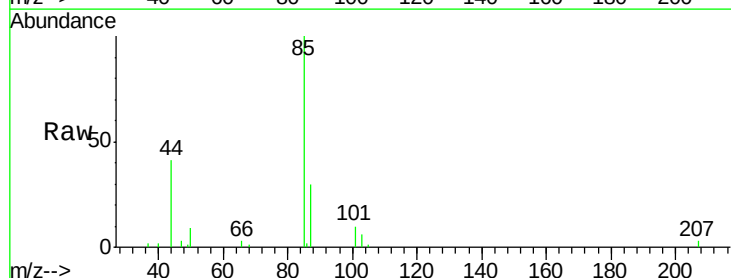
Acq: 27 May 2020 11:04

Tgt Ion: 85 Resp: 12277

Ion Ratio Lower Upper

85 100

87 30.3 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

10000

8000

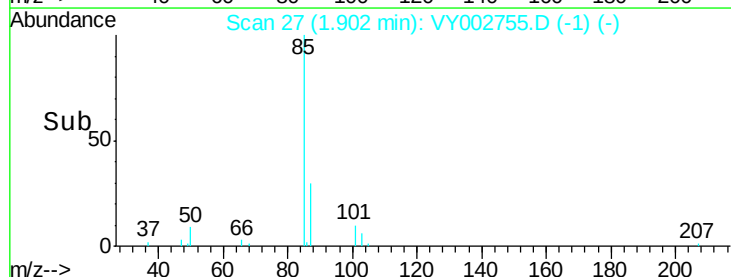
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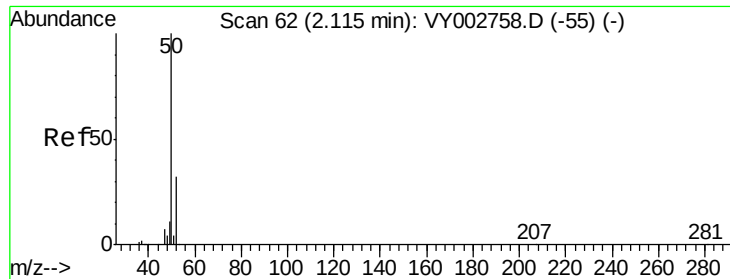
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.324 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12865

Ion Ratio Lower Upper

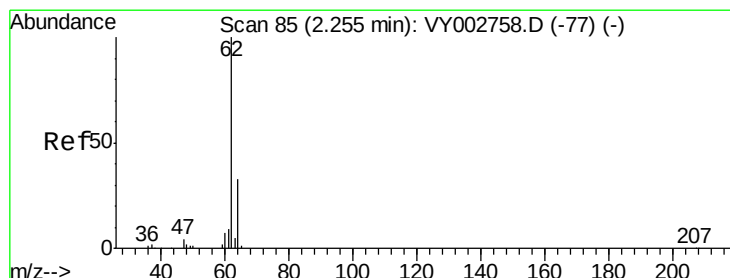
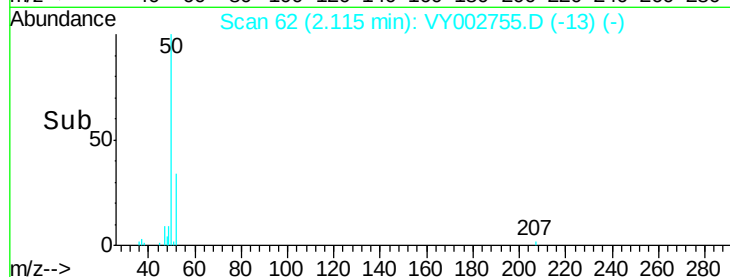
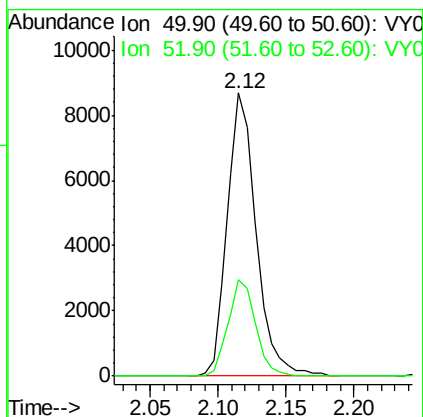
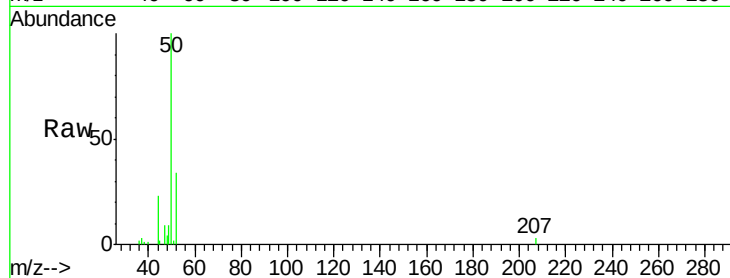
50 100

52 34.0 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.141 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002755.D

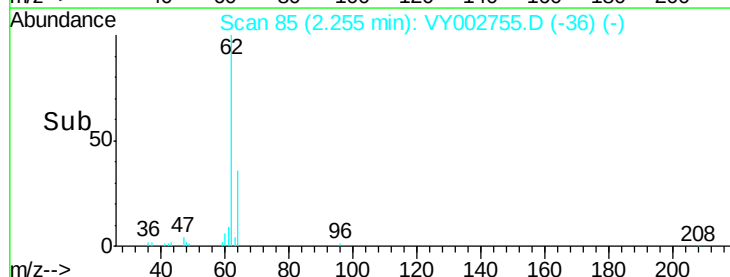
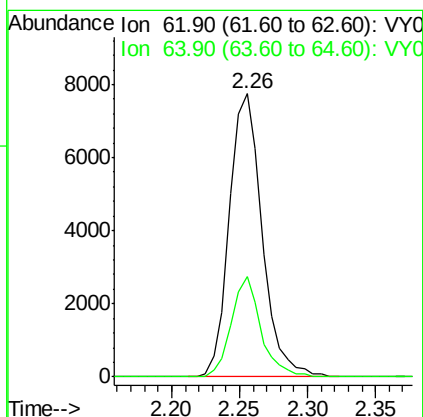
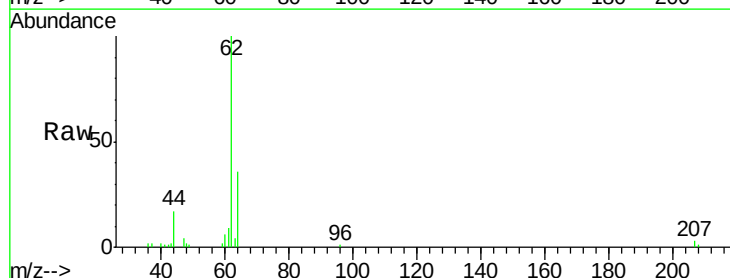
Acq: 27 May 2020 11:04

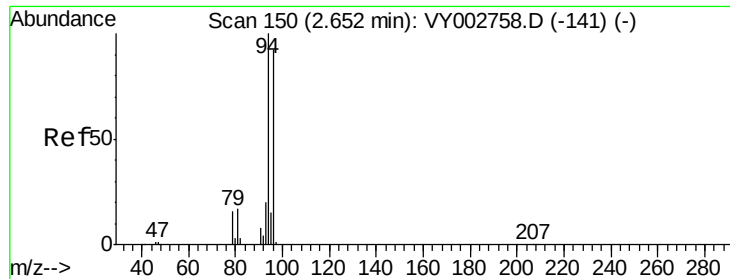
Tgt Ion: 62 Resp: 12978

Ion Ratio Lower Upper

62 100

64 35.5 26.1 39.1





#5

Bromomethane

Concen: 5.854 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10961

Ion Ratio Lower Upper

94 100

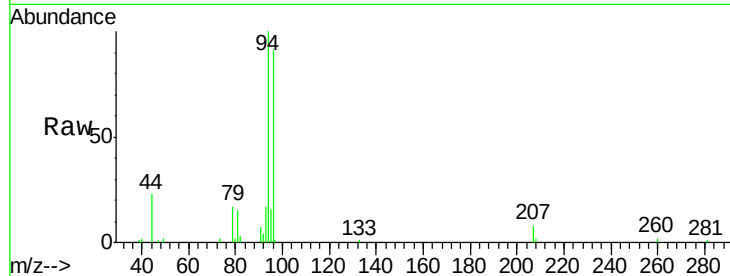
96 91.2 73.7 110.5

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

6000

5000

4000

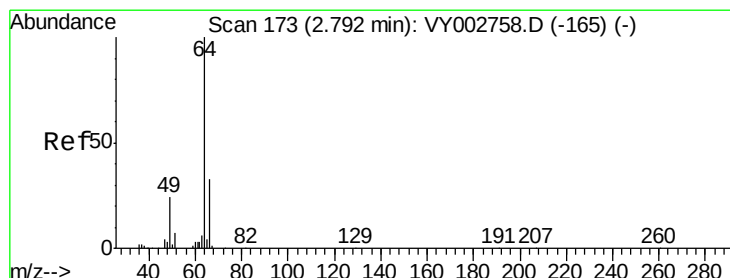
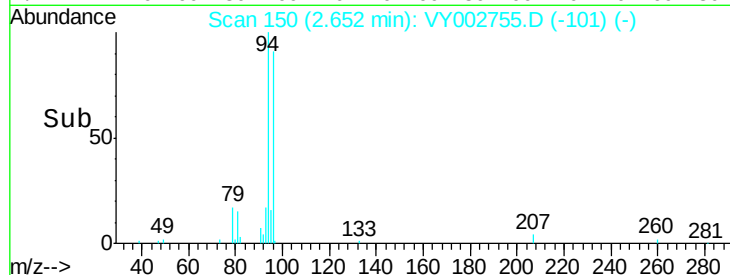
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 5.191 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002755.D

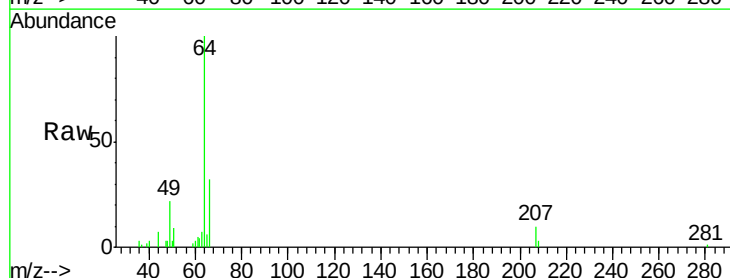
Acq: 27 May 2020 11:04

Tgt Ion: 64 Resp: 8389

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

5000

4000

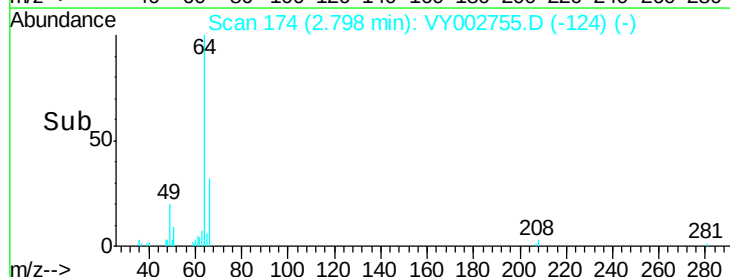
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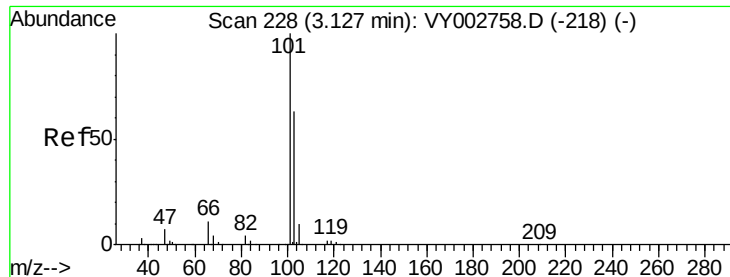
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1000

0

Time-->





#7

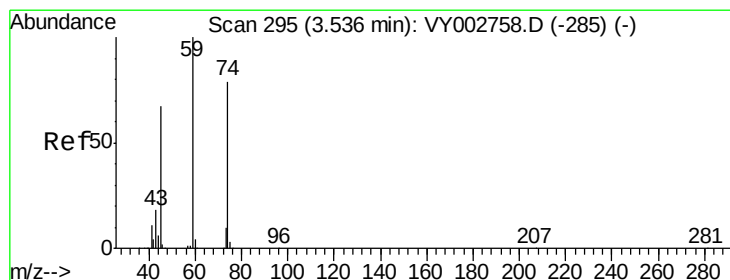
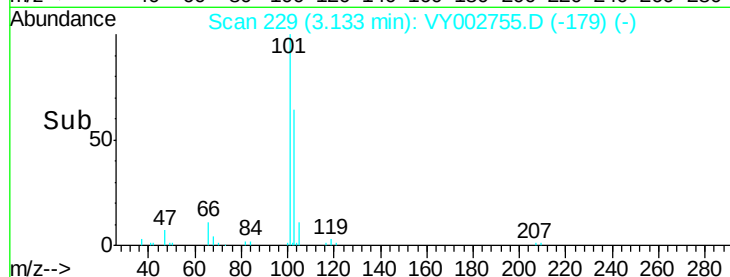
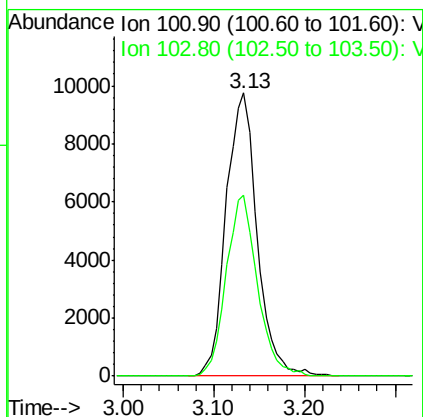
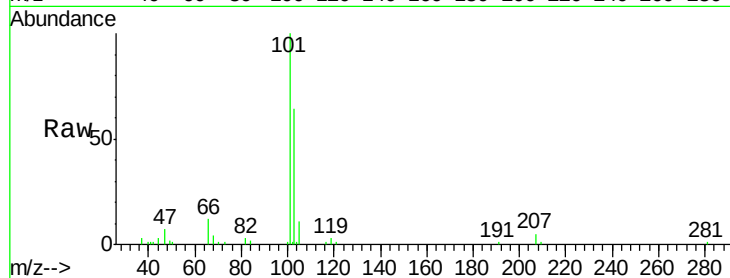
Trichlorofluoromethane
Concen: 5.403 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.6	76.0

Manual Integrations
APPROVED

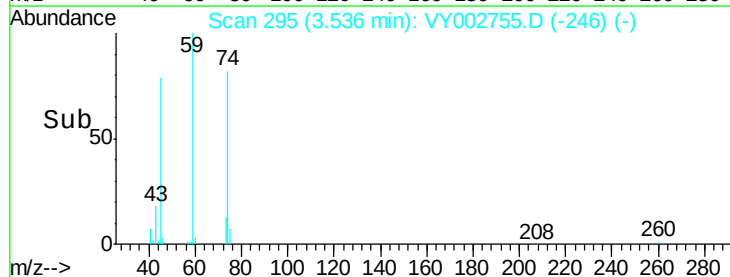
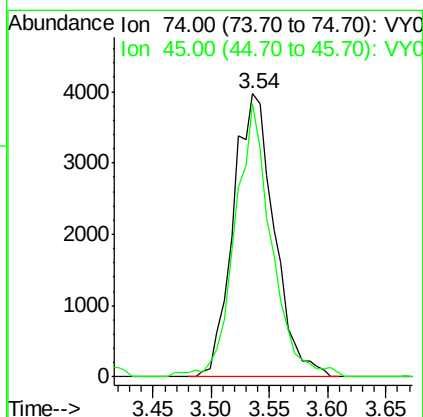
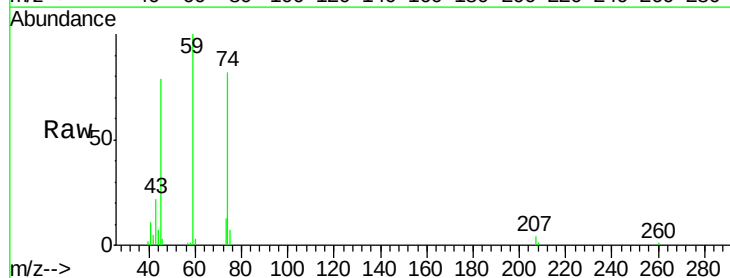
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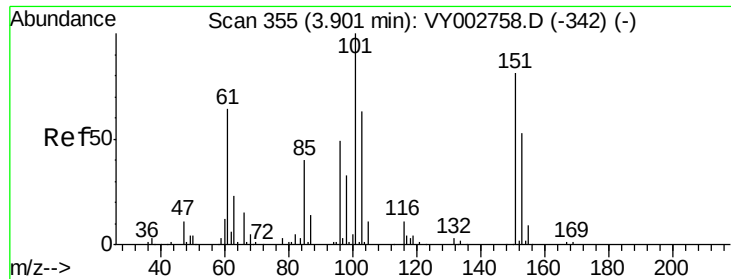


#8

Diethyl Ether
Concen: 6.614 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	44.0	131.8





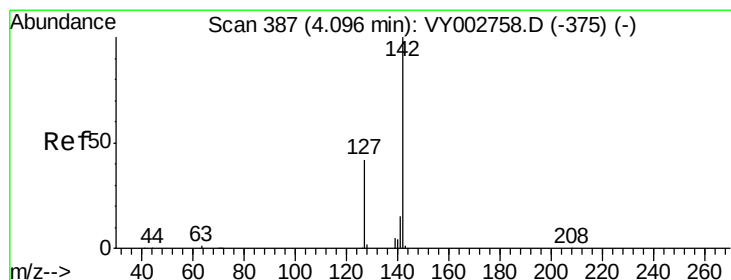
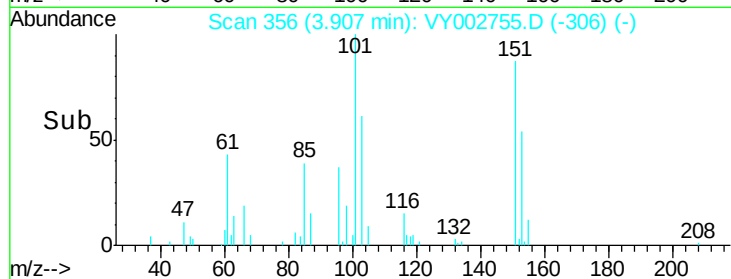
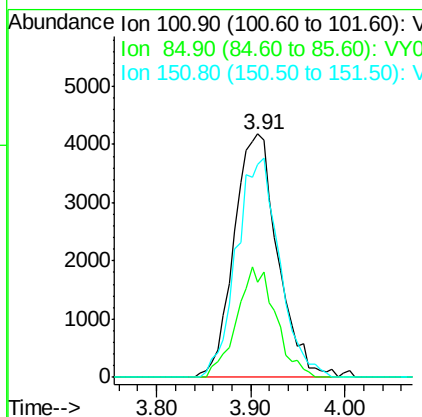
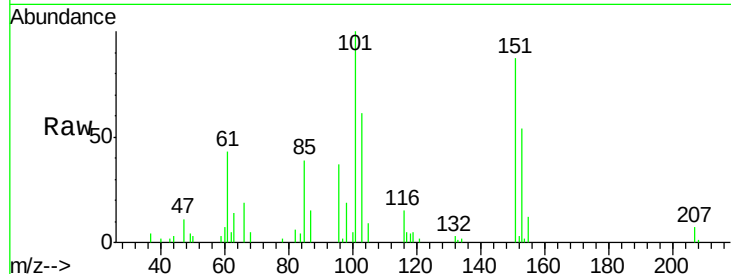
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.177 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.3	32.7	49.1
151	89.0	68.0	102.0

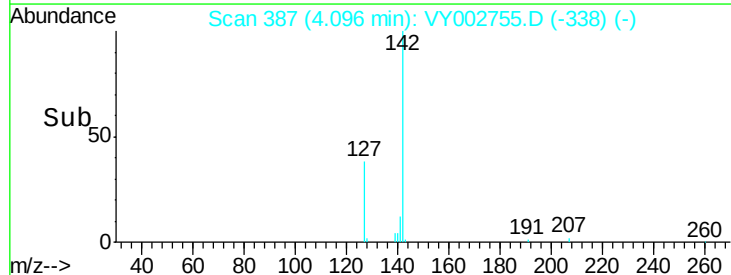
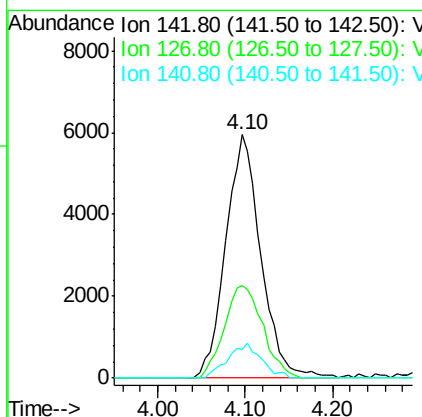
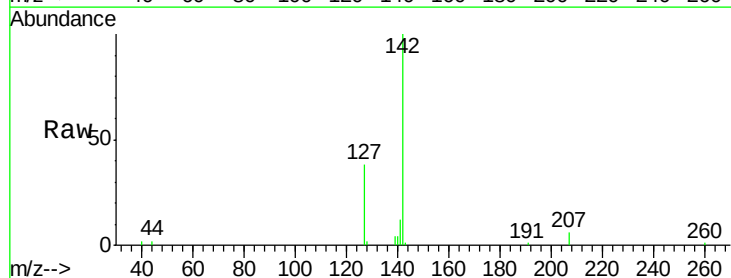
Manual Integrations
 APPROVED

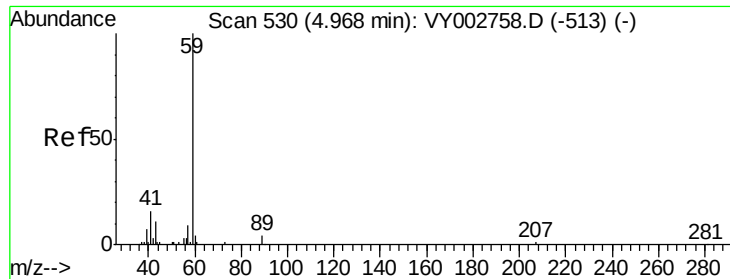
MMDadoda
 5/28/2020 2:08:31 PM



#10
 Methyl Iodide
 Concen: 4.650 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.5	33.3	49.9
141	13.6	11.5	17.3





#11

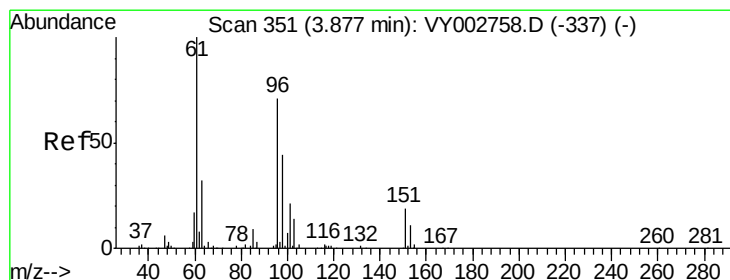
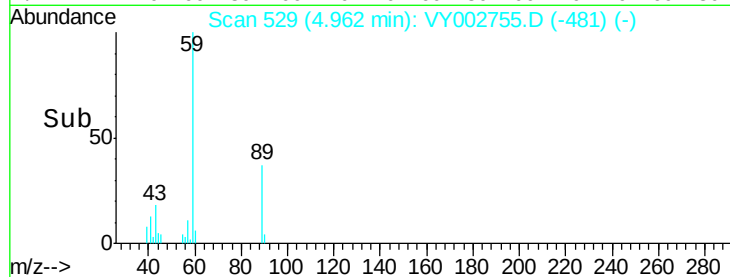
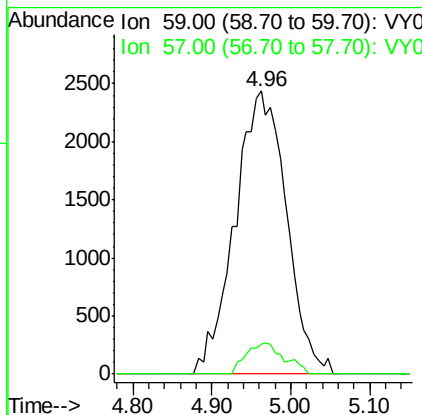
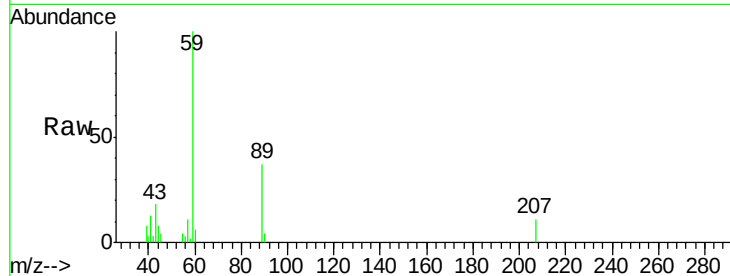
Tert butyl alcohol
 Concen: 45.181 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	59	Resp	11053
Ion Ratio	100	Lower	Upper
57	8.1	7.7	11.5

Manual Integrations
 APPROVED

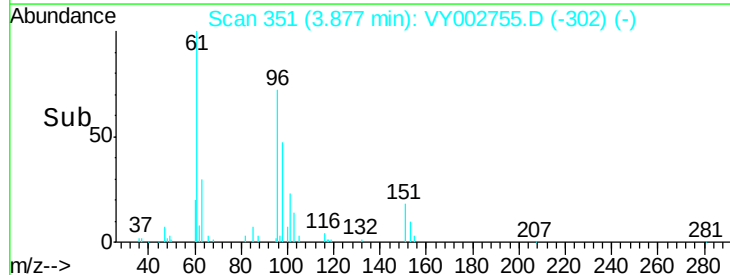
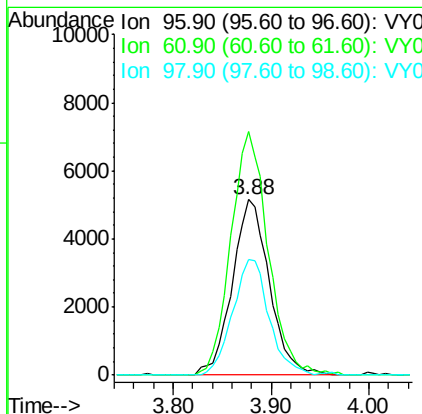
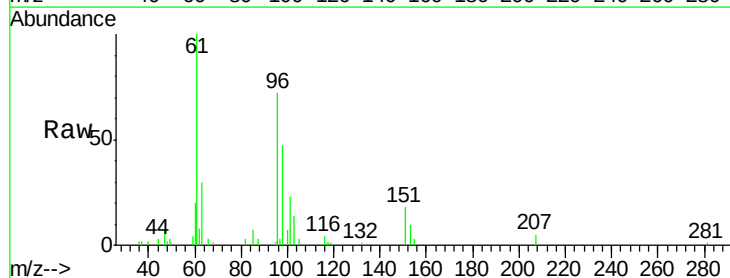
MMDadoda
 5/28/2020 2:08:31 PM

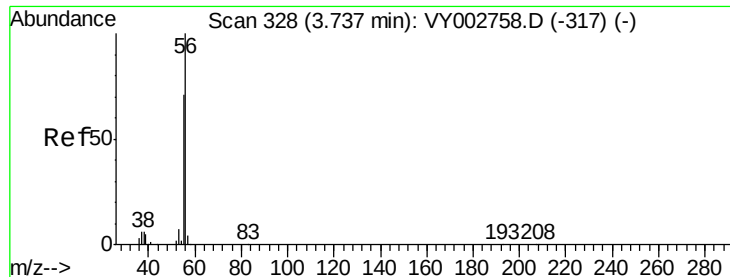


#12

1,1-Dichloroethene
 Concen: 5.198 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	96	Resp	13564
Ion Ratio	100	Lower	Upper
61	138.9	112.6	168.8
98	65.8	50.0	75.0





#13

Acrolein

Concen: 27.040 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7583

Ion Ratio Lower Upper

56 100

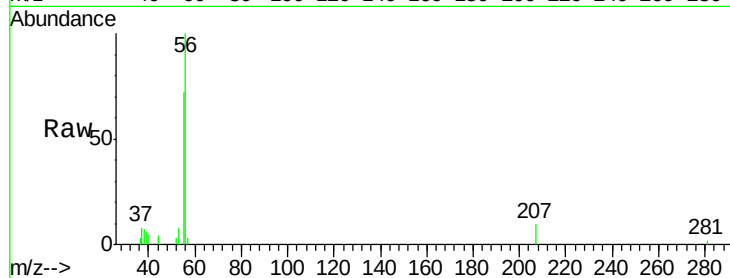
55 70.4 56.0 84.0

Manual Integrations

APPROVED

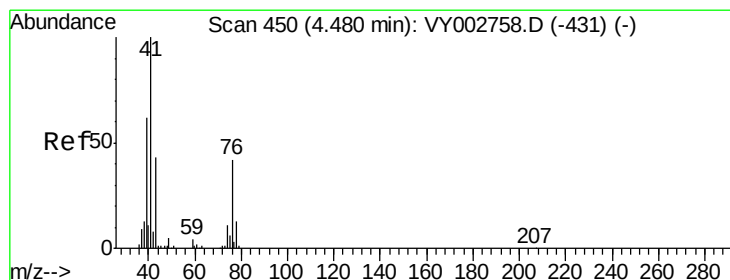
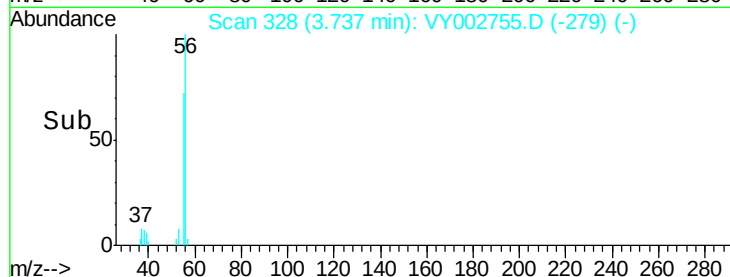
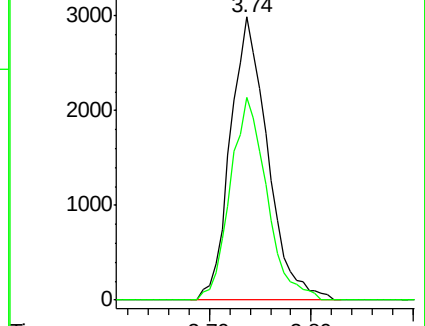
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.997 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

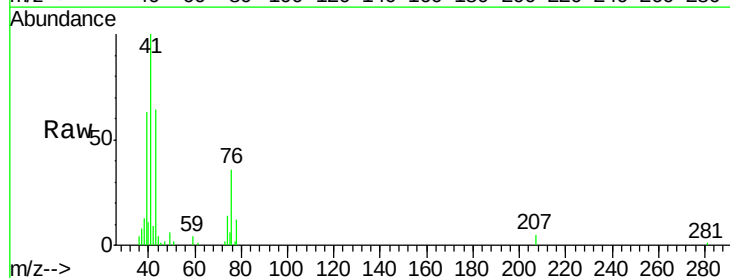
Tgt Ion: 41 Resp: 18772

Ion Ratio Lower Upper

41 100

39 63.1 49.9 74.9

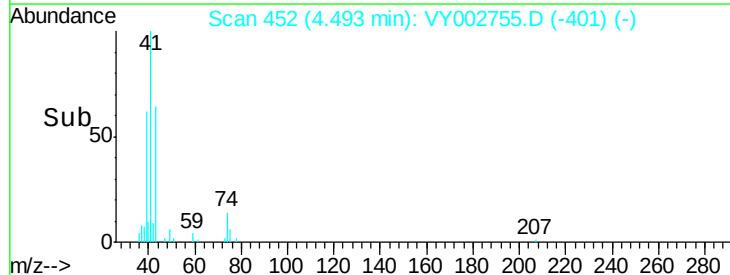
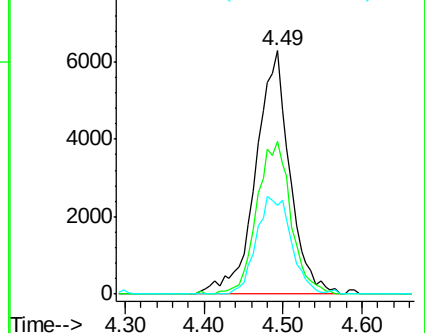
76 41.4 33.2 49.8

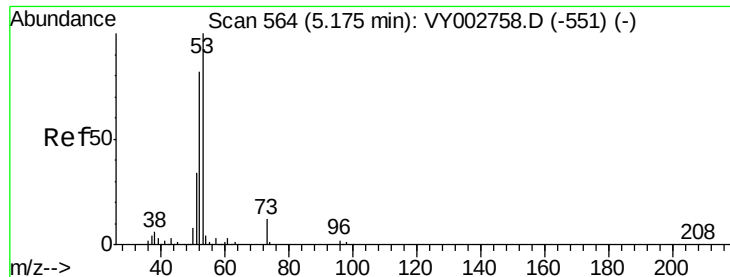


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 28.278 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

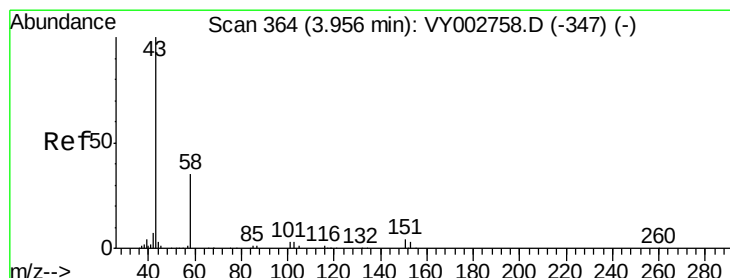
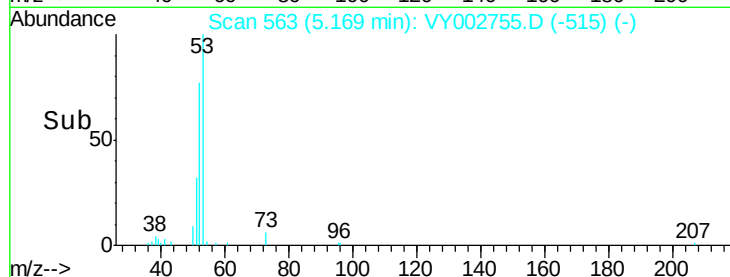
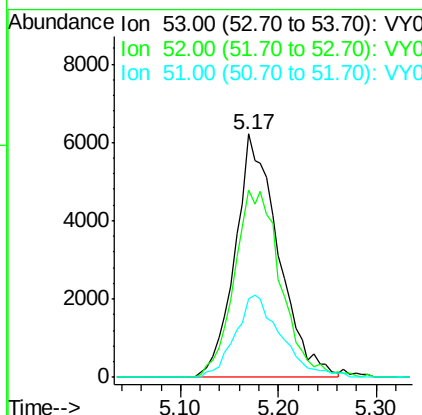
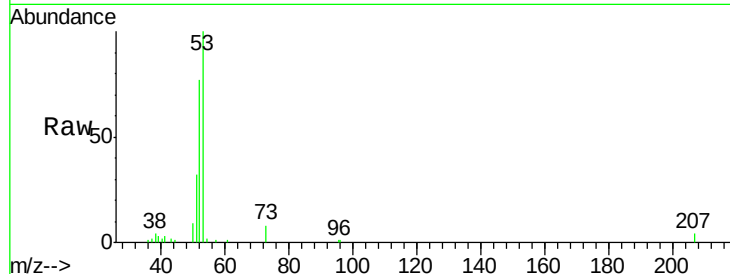
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19034
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.3	97.9
51	36.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 31.920 ug/l

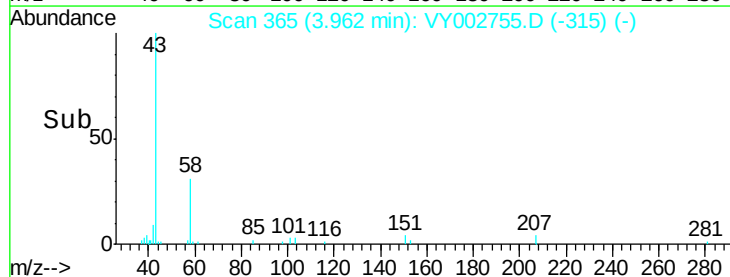
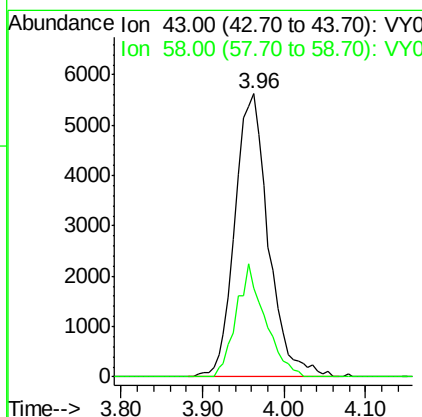
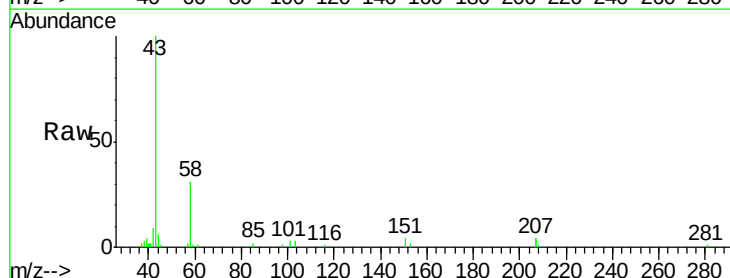
RT: 3.96 min Scan# 365

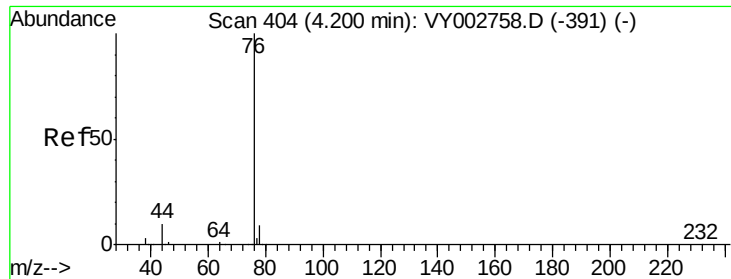
Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	43	Resp:	16048
Ion	Ratio	Lower	Upper
43	100		
58	31.3	27.7	41.5





#17

Carbon Disulfide

Concen: 5.163 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 41917

Ion Ratio Lower Upper

76 100

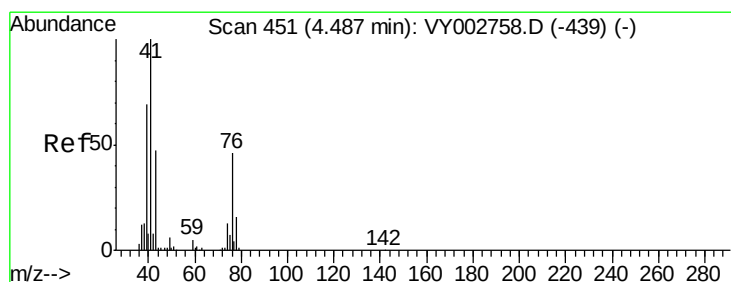
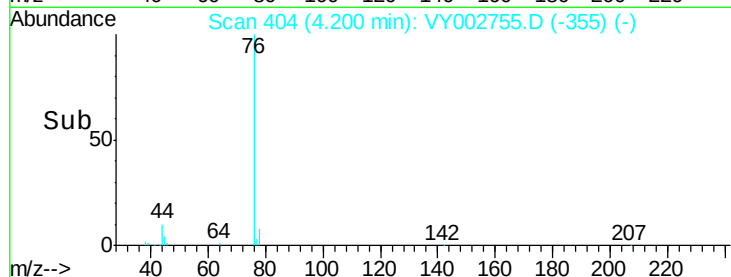
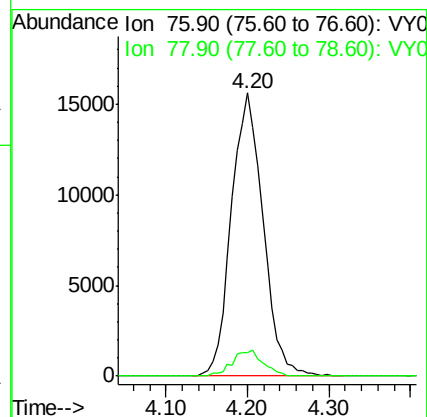
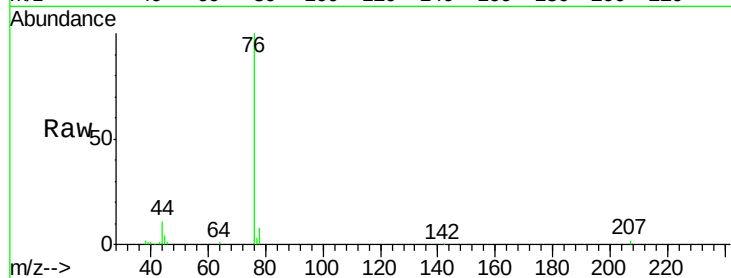
78 8.2 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 7.894 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002755.D

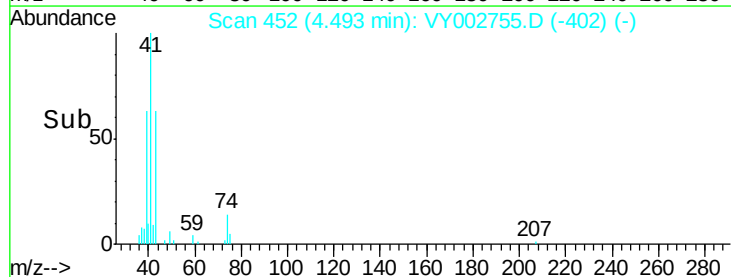
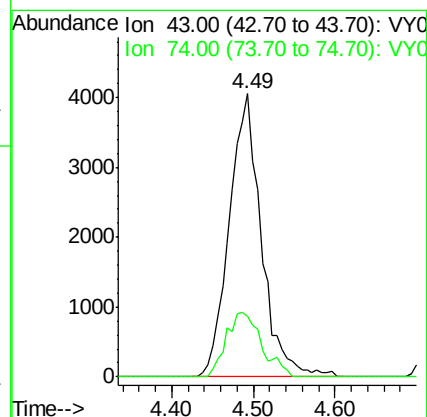
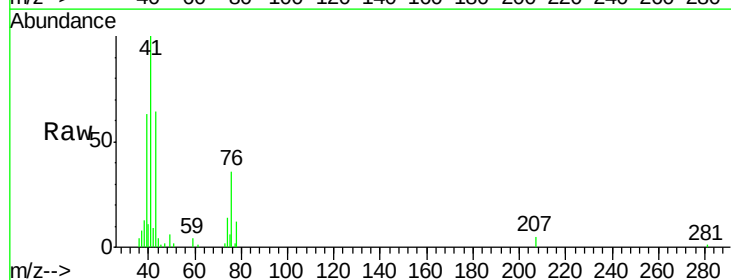
Acq: 27 May 2020 11:04

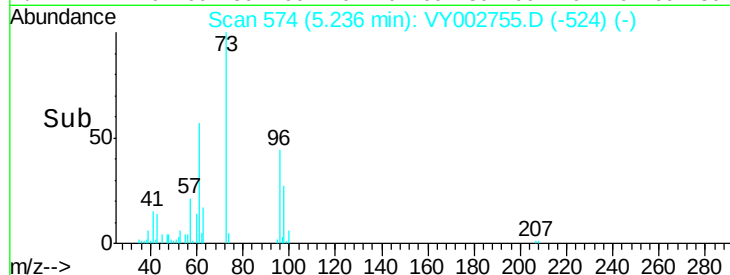
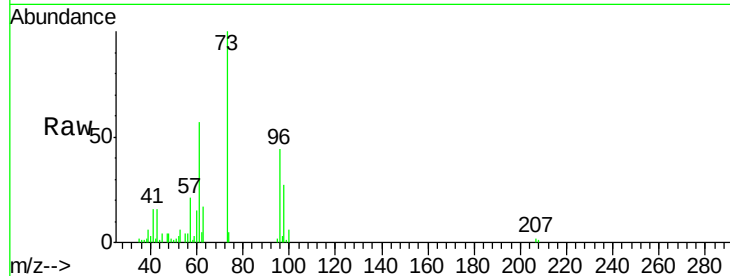
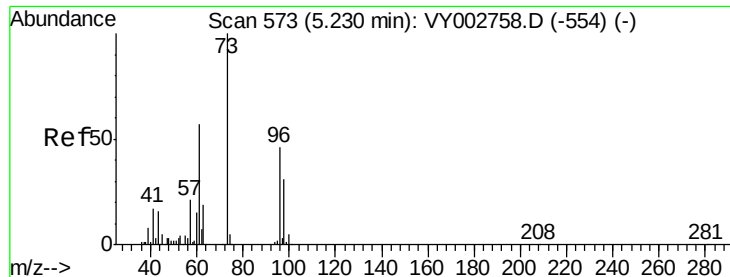
Tgt Ion: 43 Resp: 10998

Ion Ratio Lower Upper

43 100

74 25.3 21.4 32.0





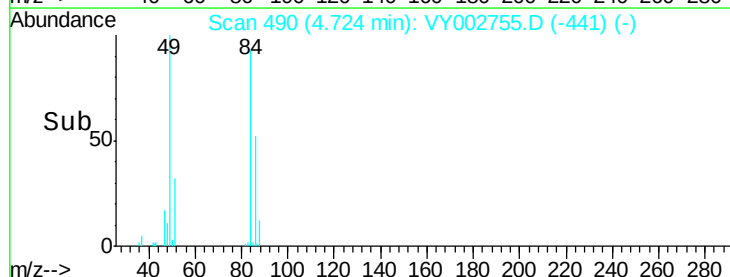
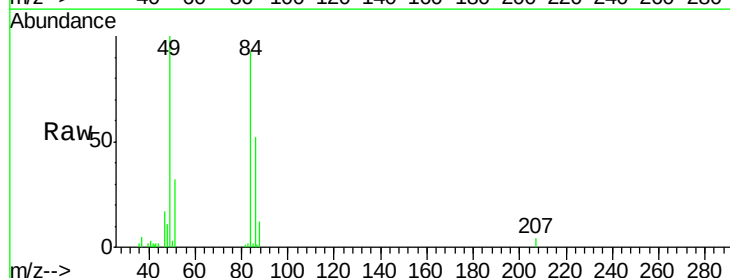
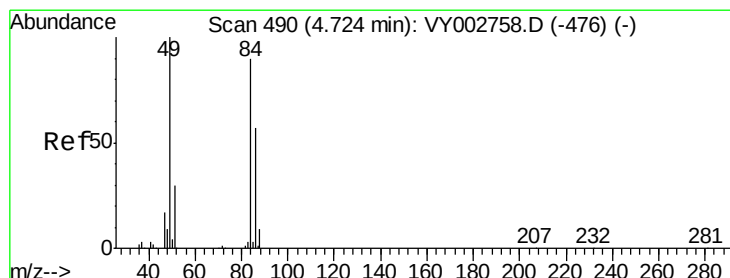
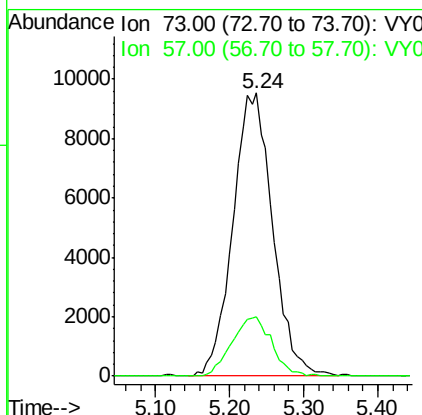
#19
Methyl tert-butyl Ether
Concen: 5.436 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tot Ion: 73 Resp: 35653
Ion Ratio Lower Upper
73 100
57 21.1 17.0 25.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

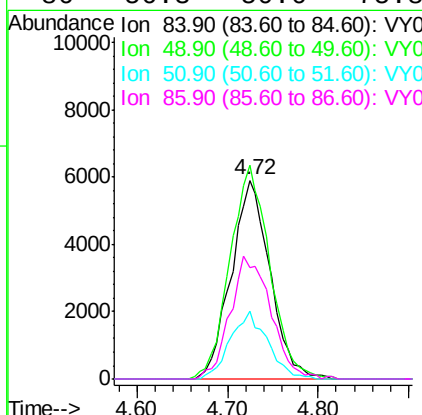
Manual Integrations
APPROVED

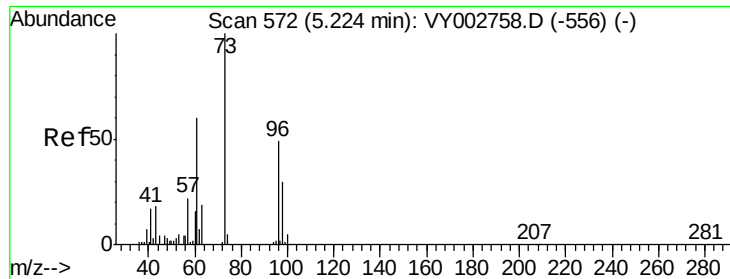
MMDadoda
5/28/2020 2:08:31 PM



#20
Methylene Chloride
Concen: 6.020 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 84 Resp: 17544
Ion Ratio Lower Upper
84 100
49 107.4 88.5 132.7
51 33.9 26.8 40.2
86 56.3 50.6 75.8





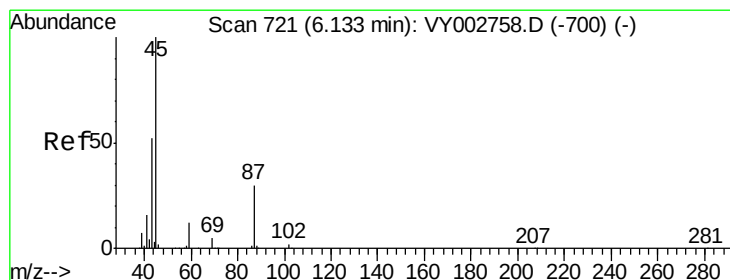
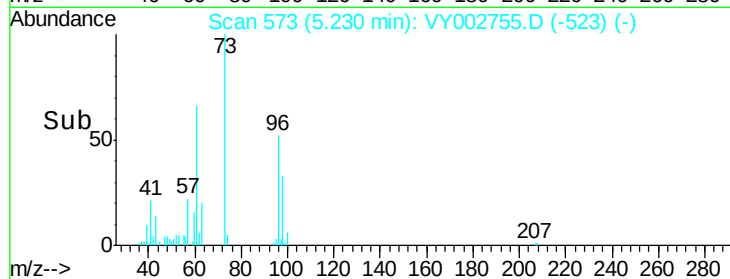
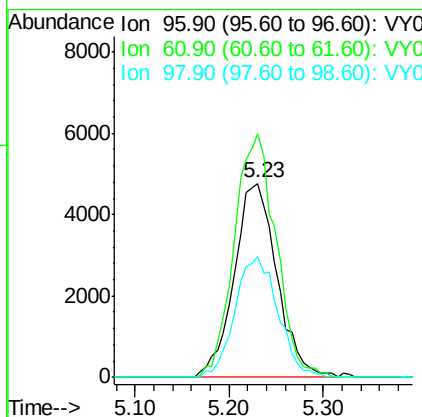
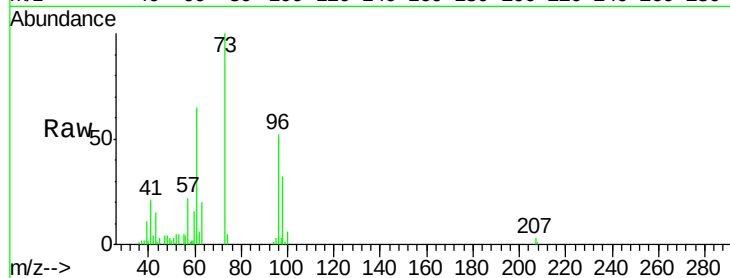
#21
trans-1,2-Dichloroethene
Concen: 5.219 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	96.8	145.2
98	62.1	49.4	74.0

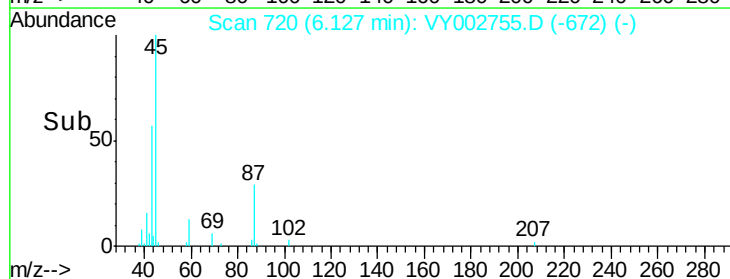
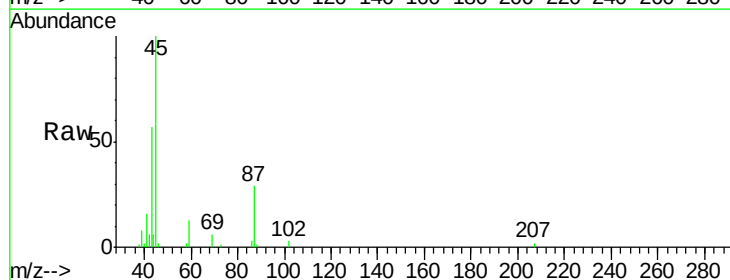
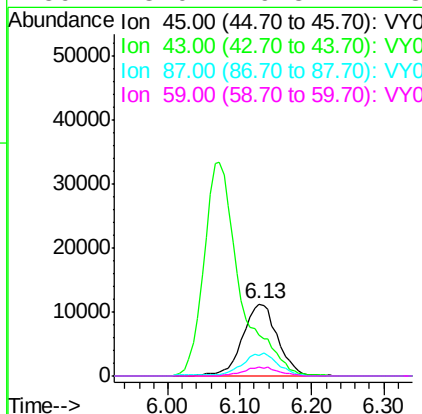
Manual Integrations
APPROVED

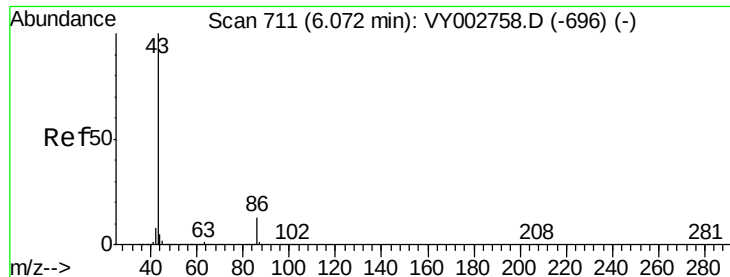
MMDadoda
5/28/2020 2:08:31 PM



#22
Diisopropyl ether
Concen: 5.074 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	41.7	62.5
87	29.1	24.2	36.2
59	13.0	9.8	14.8





#23

Vinyl Acetate

Concen: 23.931 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 115428

Ion Ratio Lower Upper

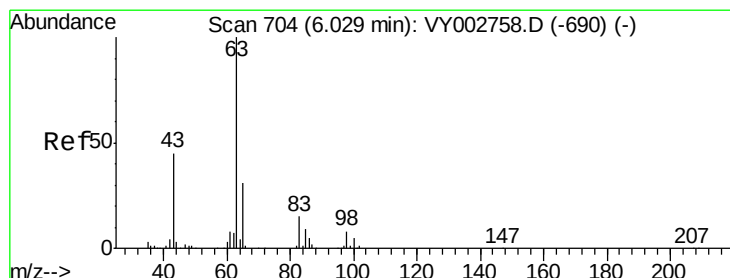
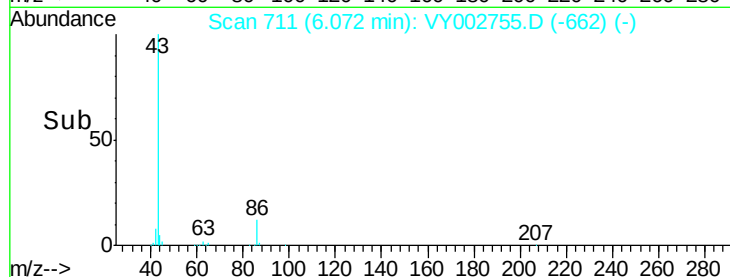
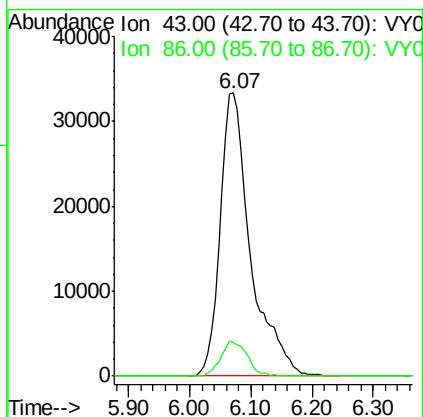
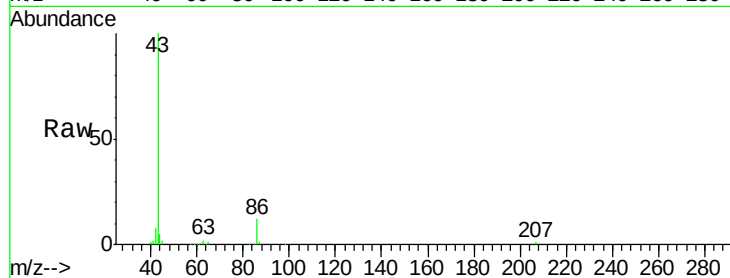
43 100

86 11.9 10.2 15.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 5.085 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

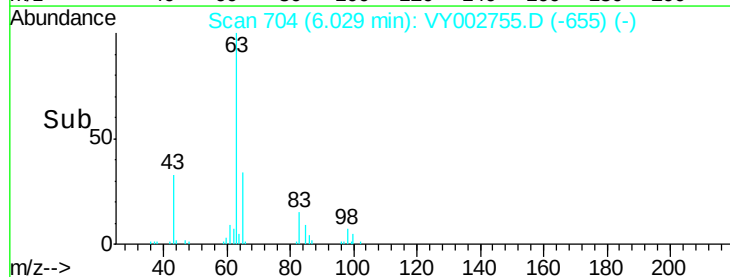
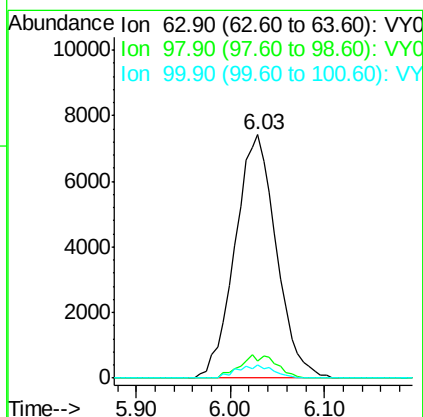
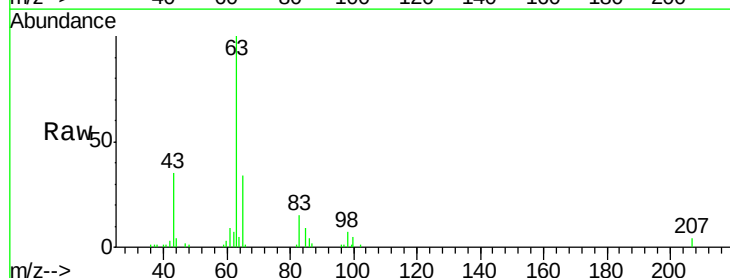
Tgt Ion: 63 Resp: 22674

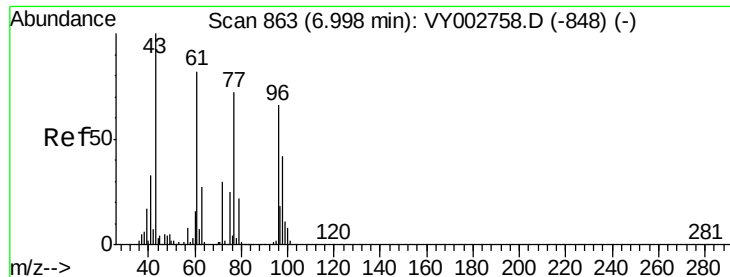
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 30.321 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24876

Ion Ratio Lower Upper

43 100

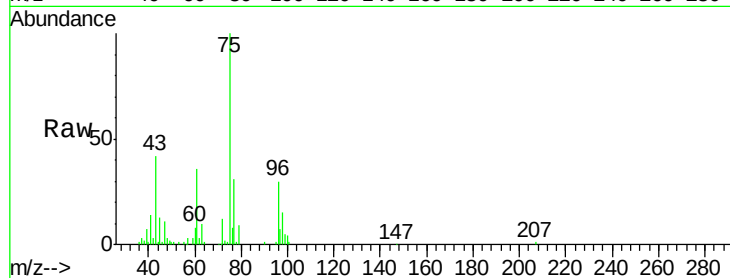
72 27.9 23.9 35.9

Manual Integrations

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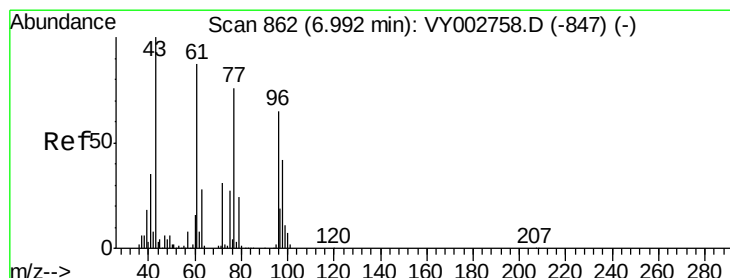
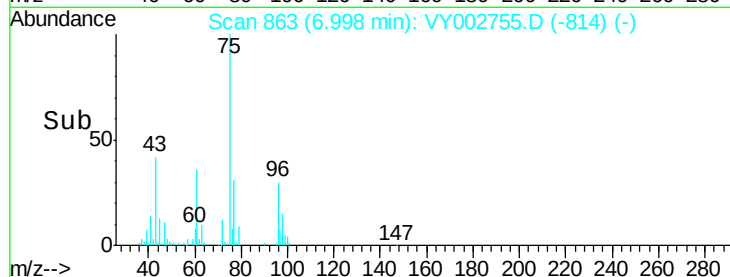
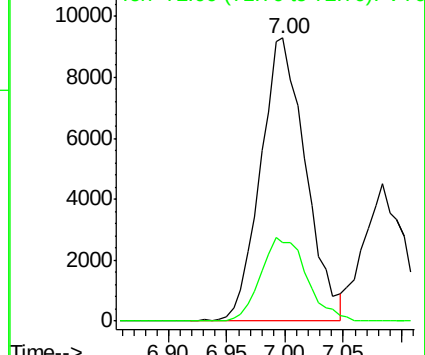
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.745 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002755.D

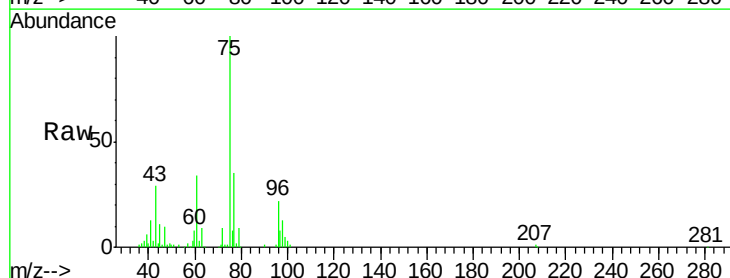
Acq: 27 May 2020 11:04

Tgt Ion: 77 Resp: 23960

Ion Ratio Lower Upper

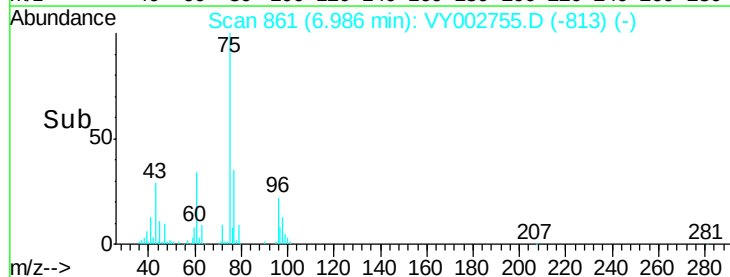
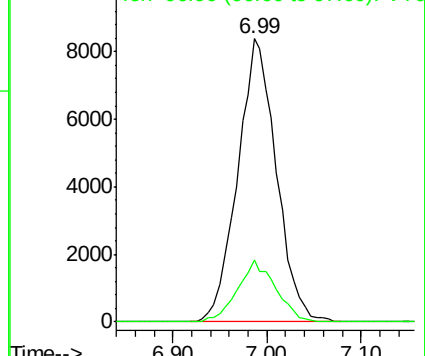
77 100

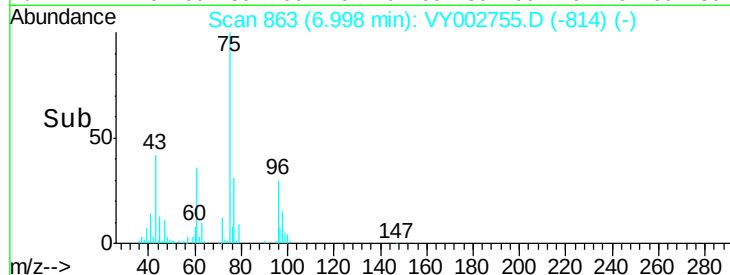
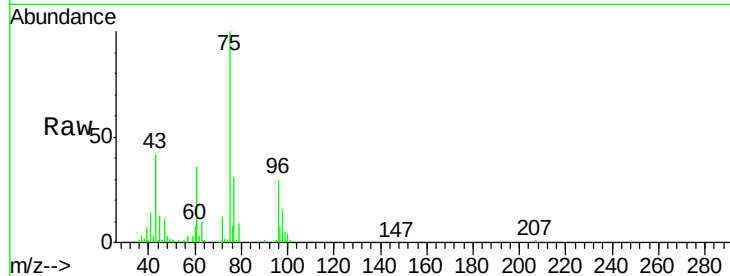
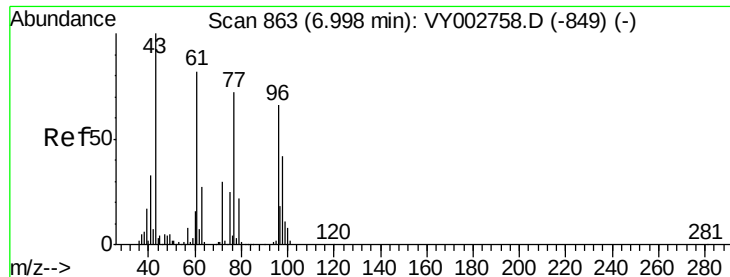
97 21.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

cis-1,2-Dichloroethene

Concen: 5.358 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002755.D

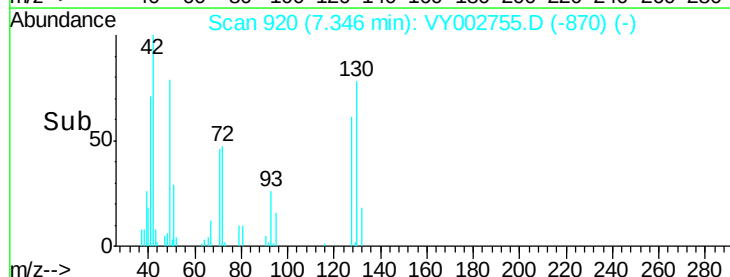
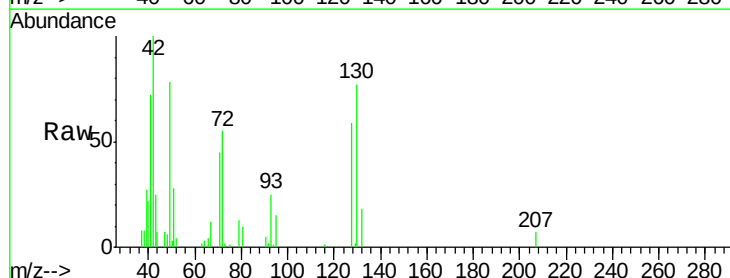
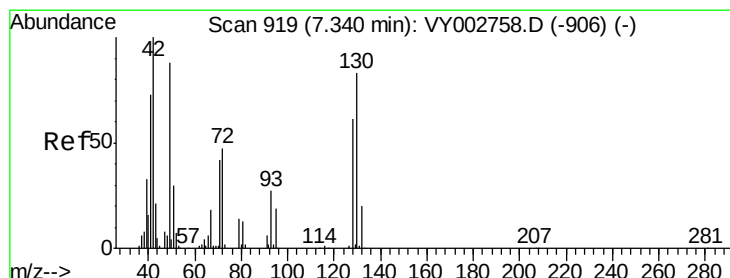
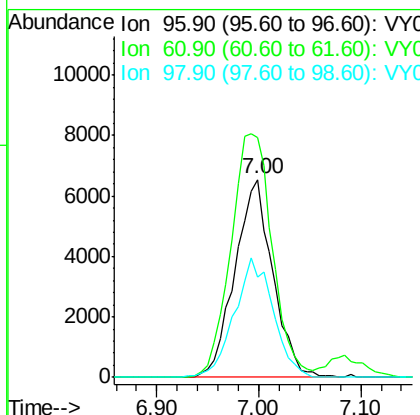
Acq: 27 May 2020 11:04

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.8	0.0	260.2	
98	61.6	0.0	128.2	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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#28

Bromochloromethane

Concen: 4.996 ug/l

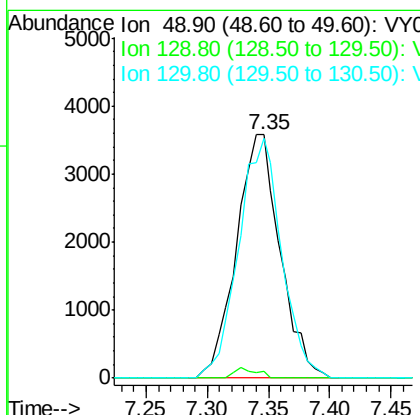
RT: 7.35 min Scan# 920

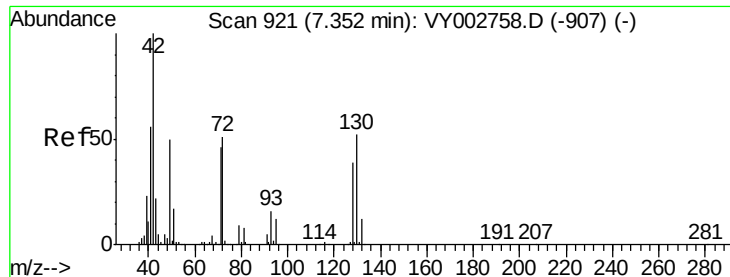
Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	5.2	
130	97.0	77.1	115.7	





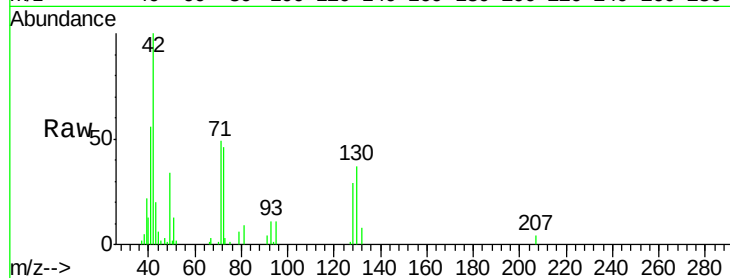
#29
Tetrahydrofuran
Concen: 28.741 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

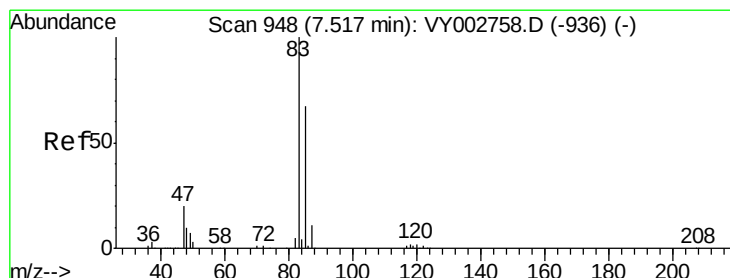
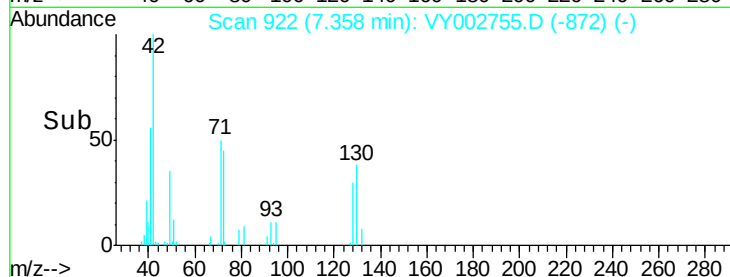
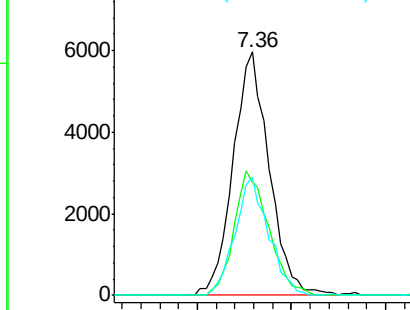
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	38.6	58.0
71	45.1	35.8	53.8

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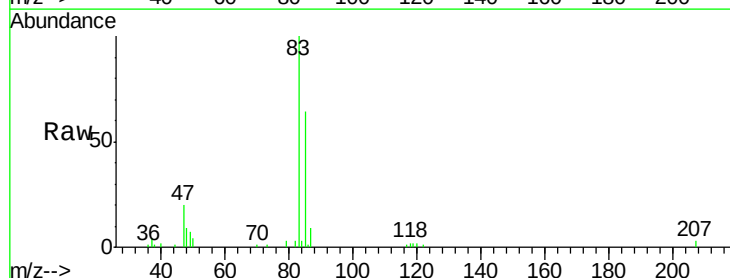


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

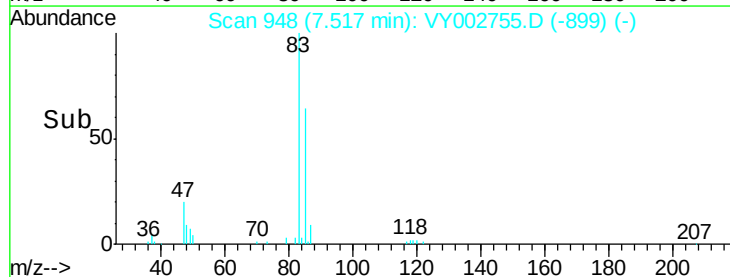
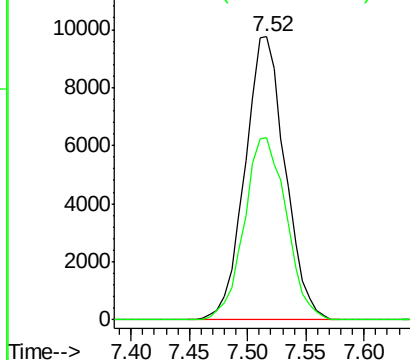


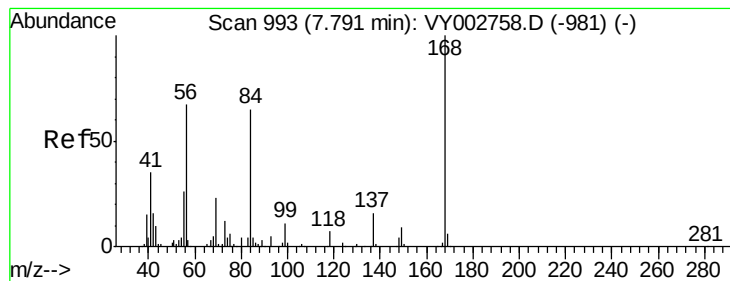
#30
Chloroform
Concen: 5.037 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.8	80.8



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 5.843 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

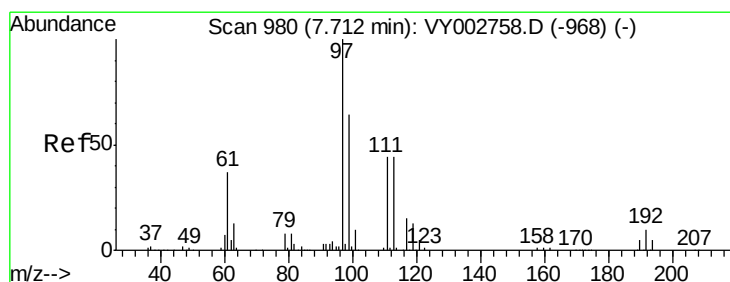
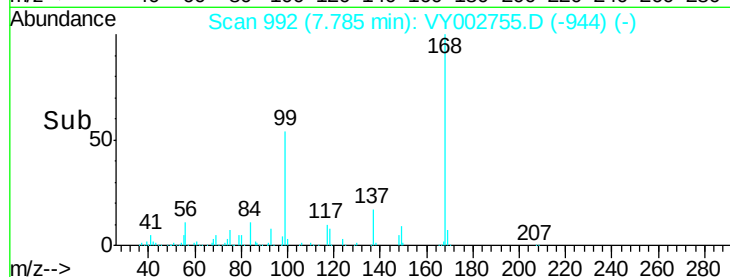
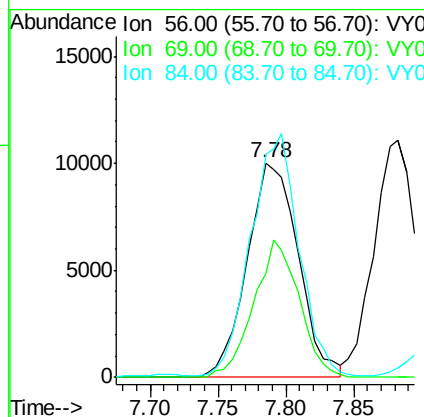
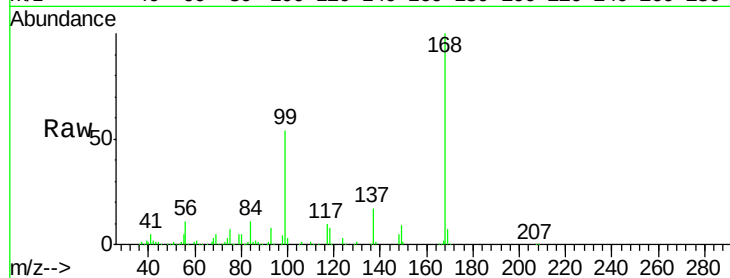
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	26302
Ion	Ratio	Lower	Upper
56	100		
69	48.4	28.0	42.0#
84	103.6	77.7	116.5

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#32

1,1,1-Trichloroethane

Concen: 5.413 ug/l

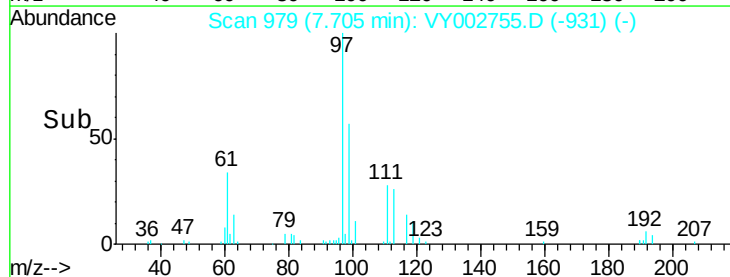
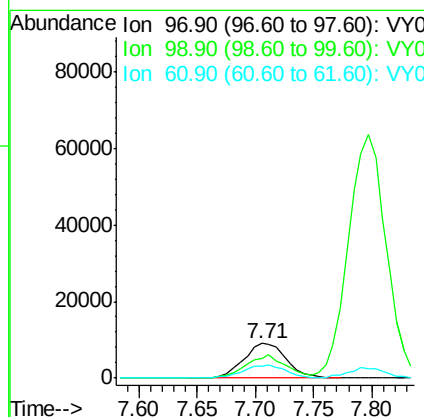
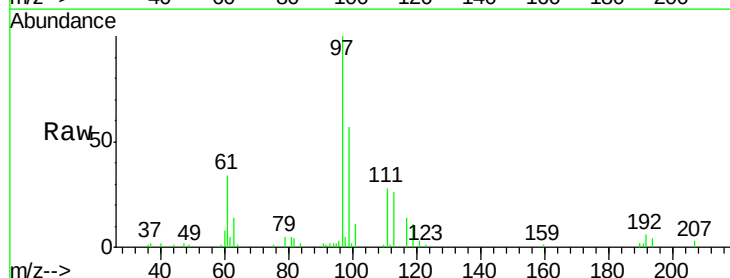
RT: 7.71 min Scan# 979

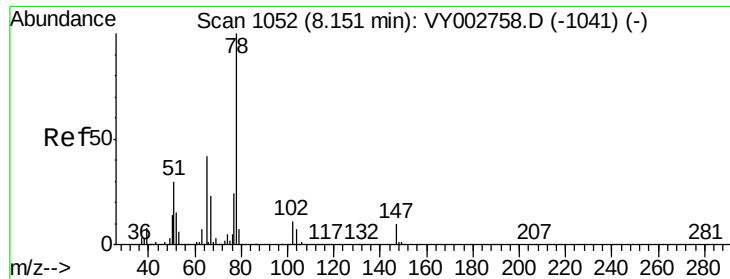
Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	97	Resp:	23241
Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.4	77.0
61	37.7	30.1	45.1





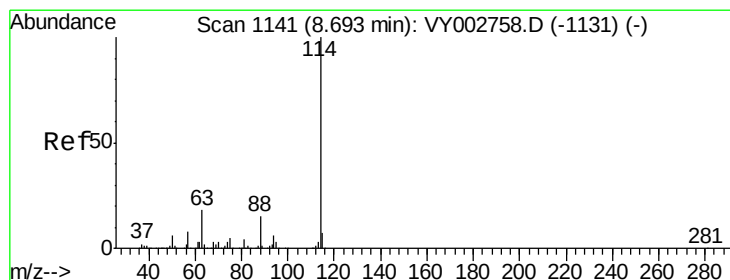
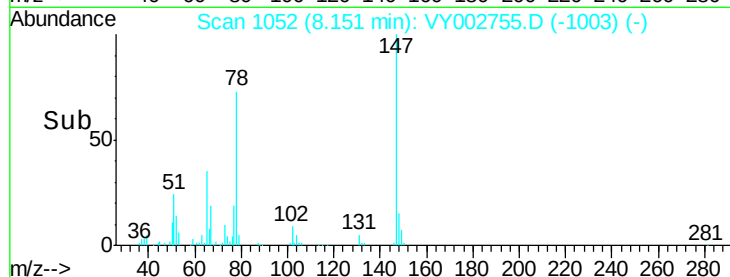
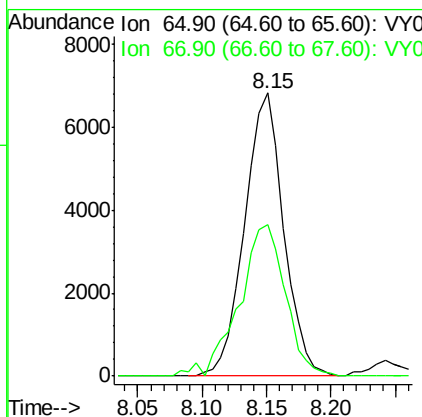
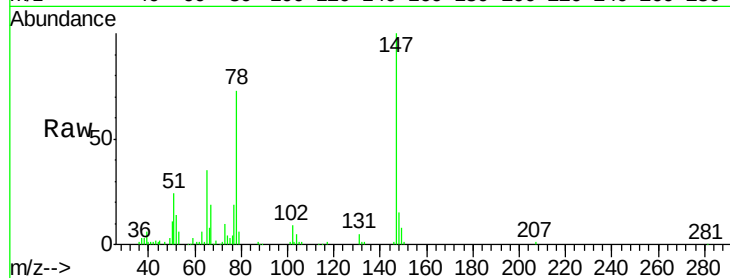
#33
 1,2-Dichloroethane-d4
 Concen: 6.020 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	63.5	0.0	111.0

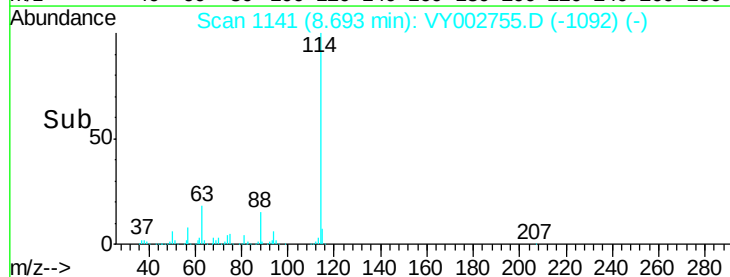
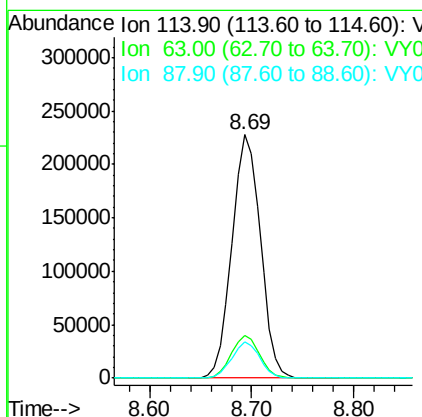
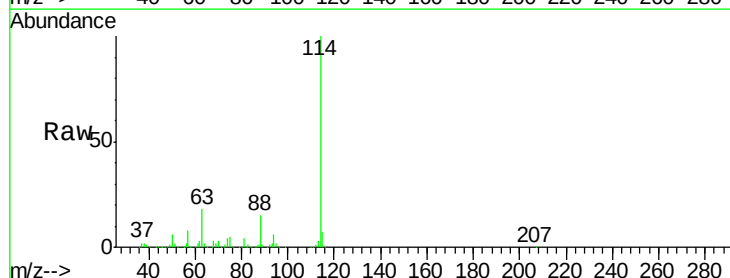
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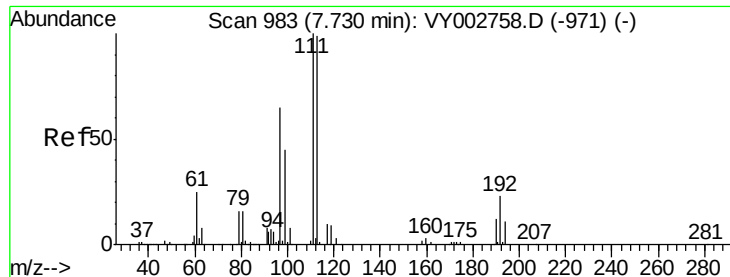
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	14.8	0.0	29.2





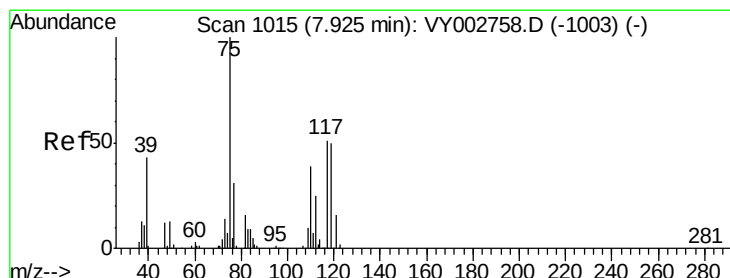
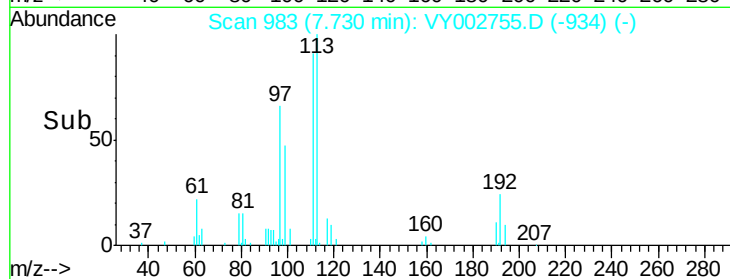
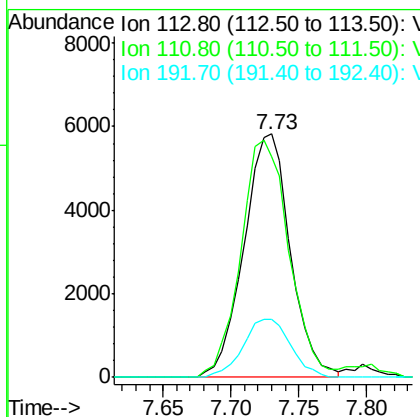
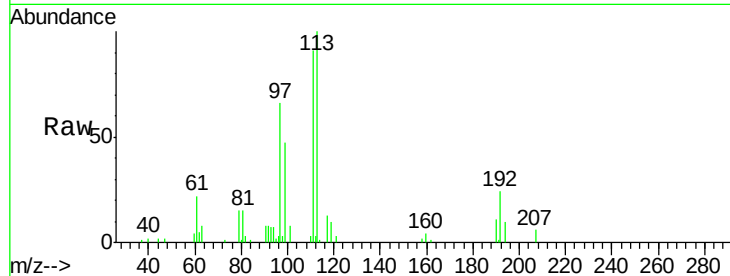
#35
 Dibromofluoromethane
 Concen: 5.679 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	113	Resp:	13905
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.0	123.0
192	24.5	18.9	28.3

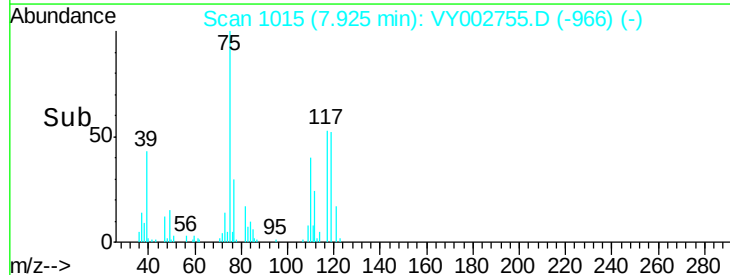
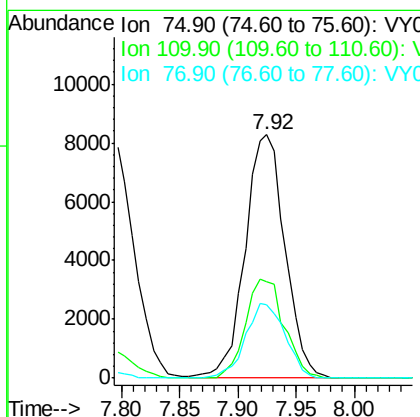
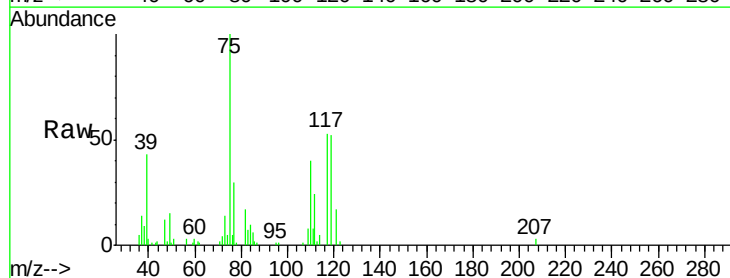
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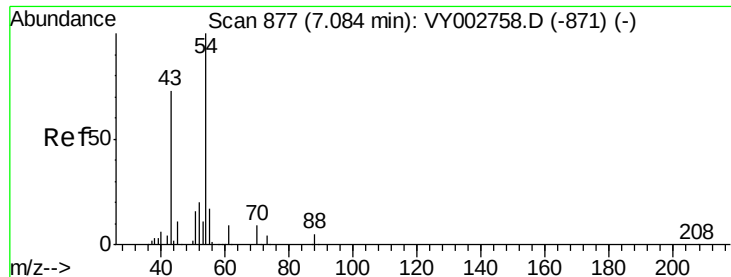
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#36
 1,1-Dichloropropene
 Concen: 5.309 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion:	75	Resp:	19690
Ion Ratio	Lower	Upper	
75	100		
110	39.6	19.3	57.9
77	30.4	24.8	37.2





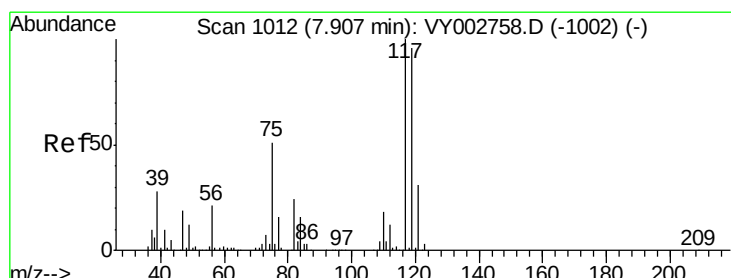
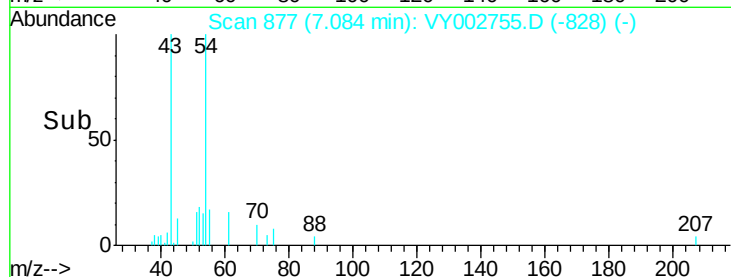
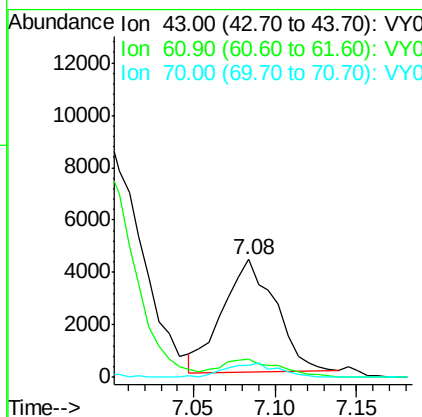
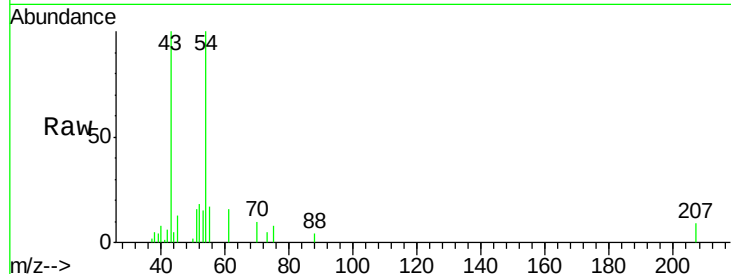
#37
Ethyl Acetate
Concen: 5.315 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	11.9	17.9#
70	12.5	9.1	13.7

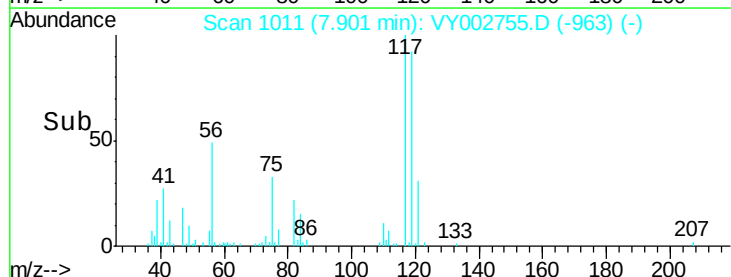
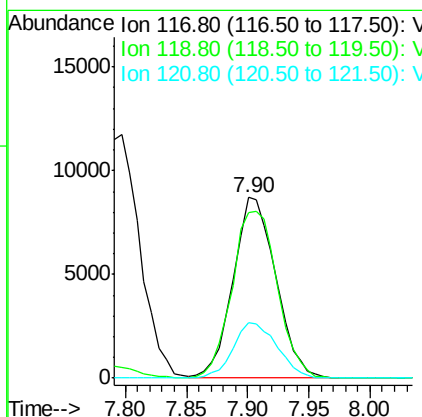
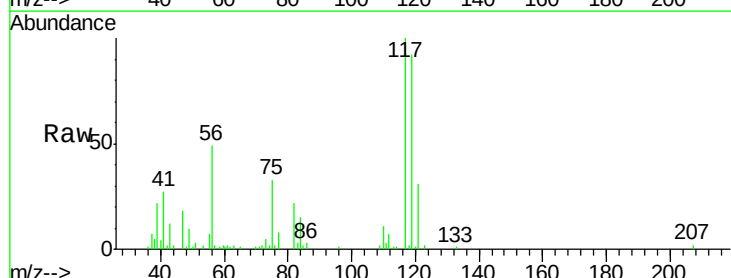
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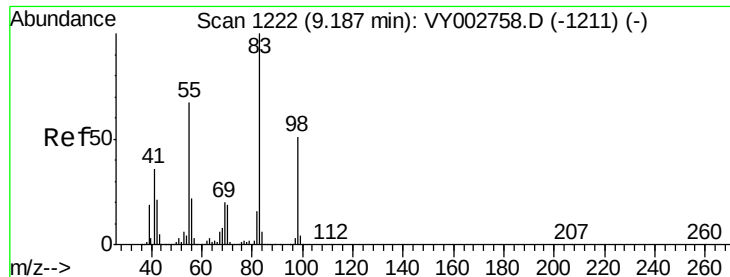
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.8	115.2
121	30.5	24.8	37.2





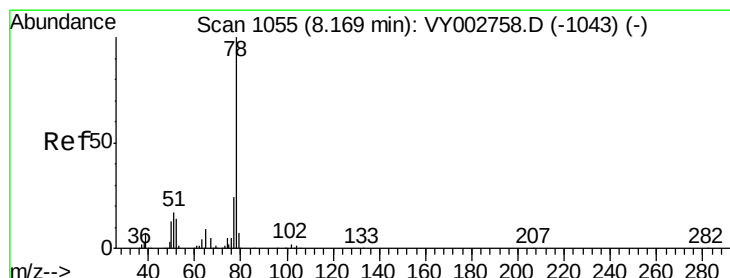
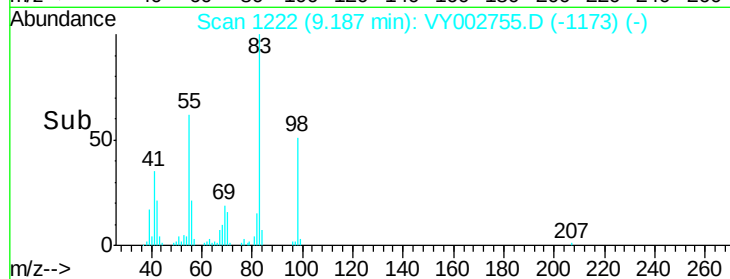
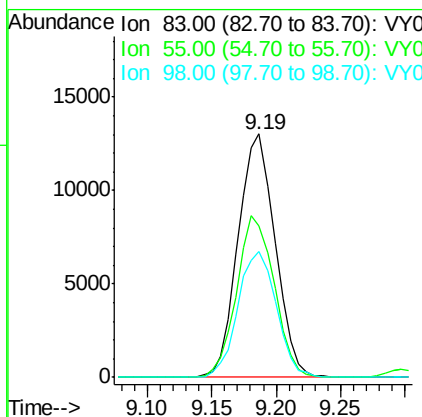
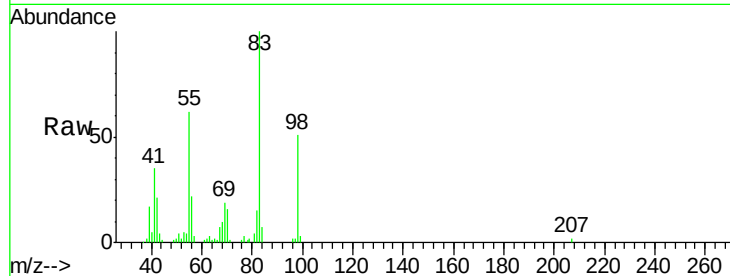
#39
Methylvlcyclohexane
Concen: 5.245 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.4	53.3	79.9
98	51.5	41.1	61.7

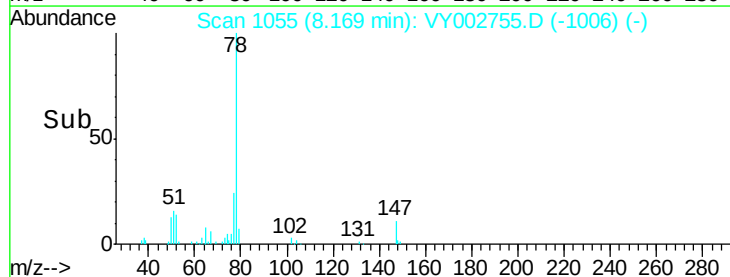
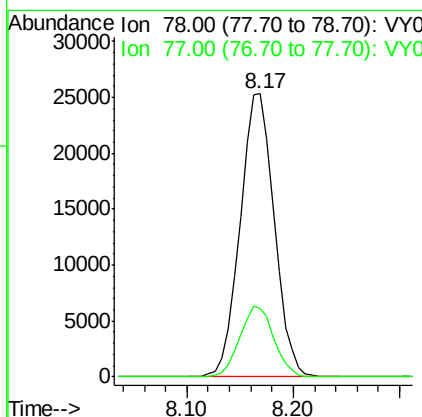
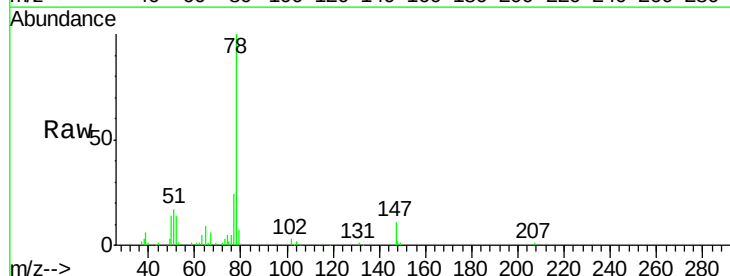
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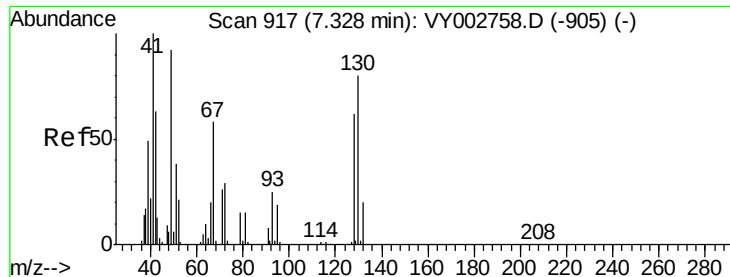
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#40
Benzene
Concen: 5.281 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41

Methacrylonitrile

Concen: 5.589 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

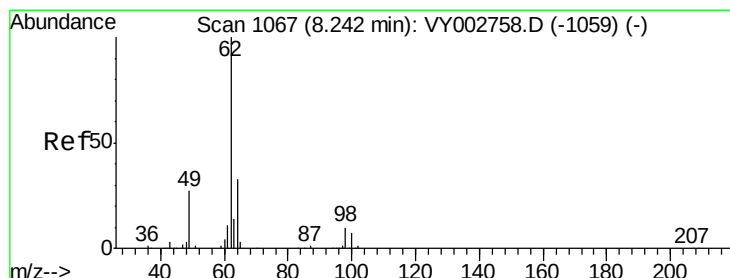
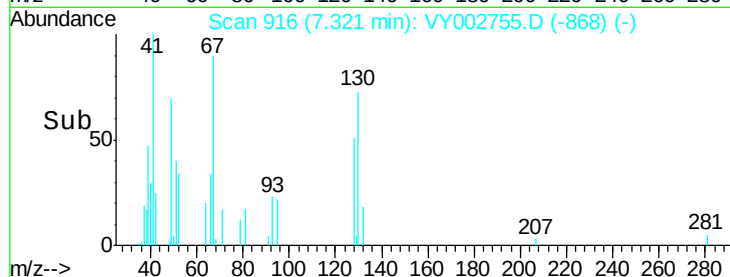
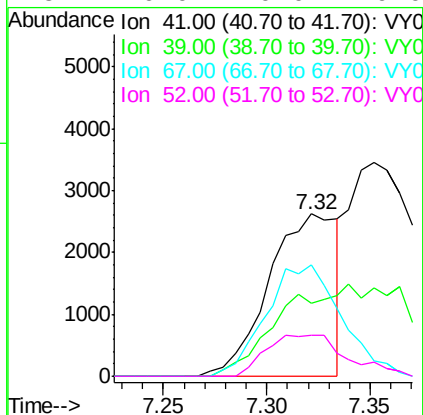
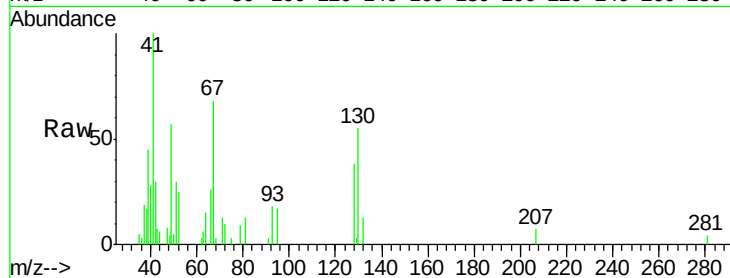
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	6013
Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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#42

1,2-Dichloroethane

Concen: 5.542 ug/l

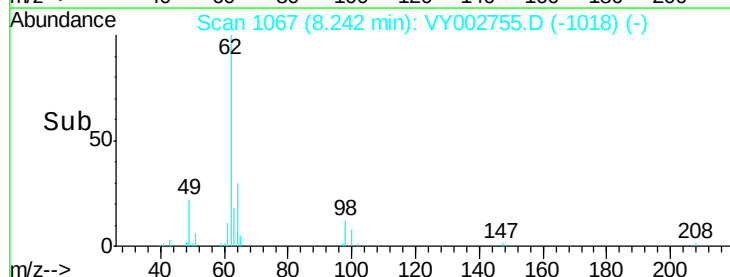
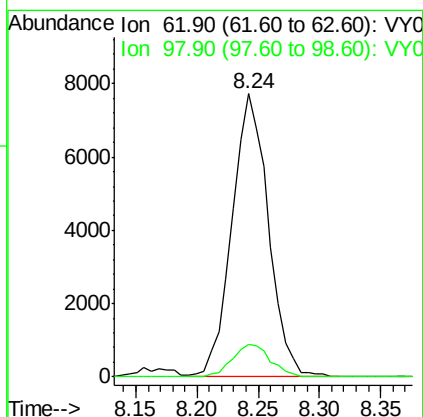
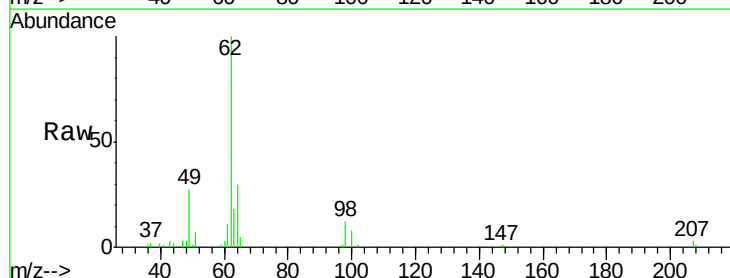
RT: 8.24 min Scan# 1067

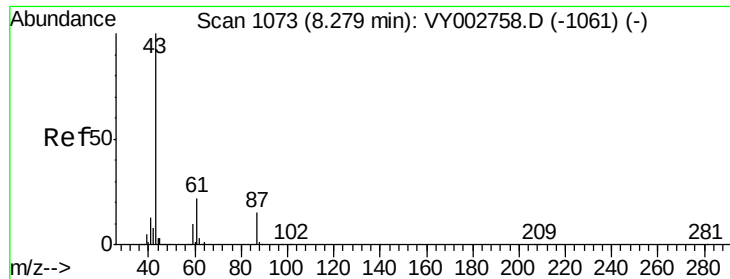
Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	62	Resp:	15933
Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	22.6





#43

Isopropyl Acetate

Concen: 5.495 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

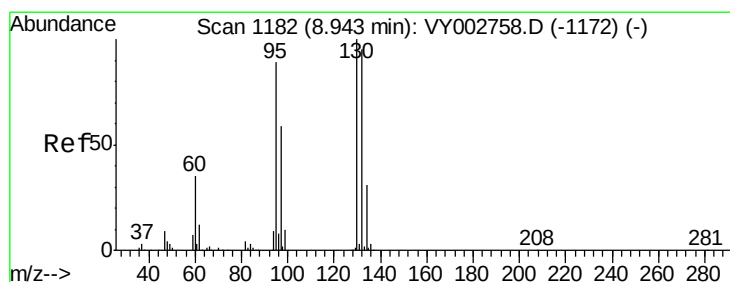
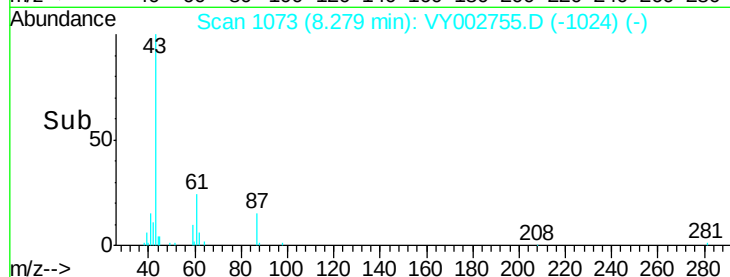
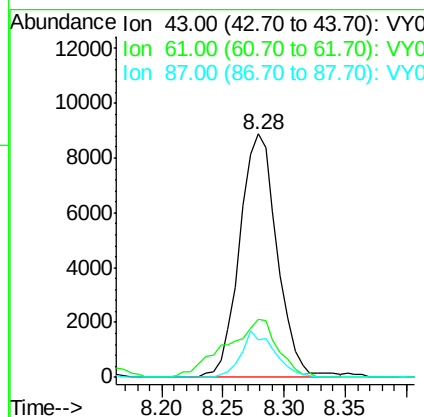
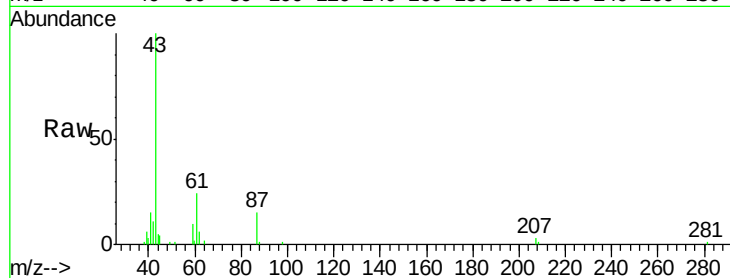
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	18918
Ion	Ratio	Lower	Upper
43	100		
61	33.1	24.8	37.2
87	16.6	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 5.319 ug/l

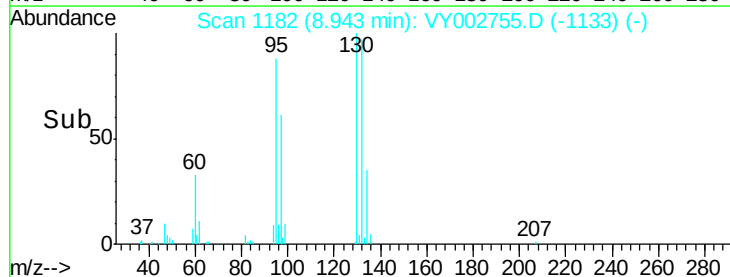
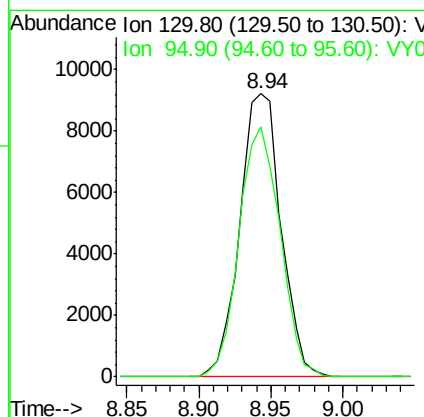
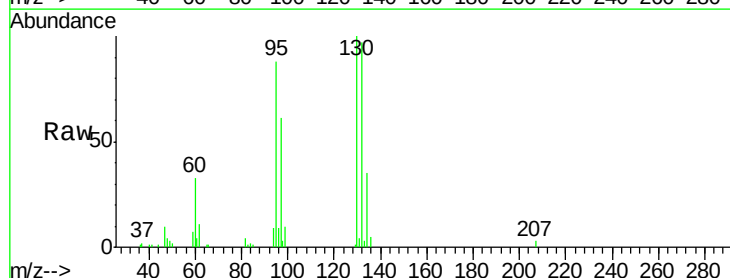
RT: 8.94 min Scan# 1182

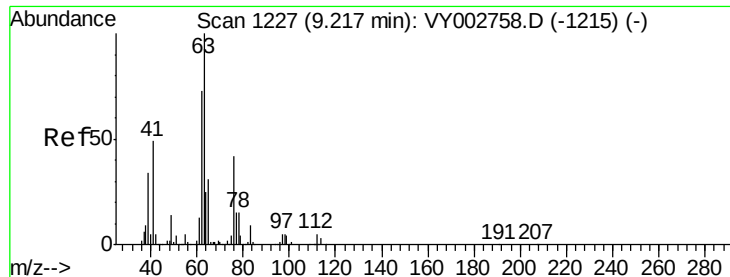
Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	130	Resp:	18321
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	178.8





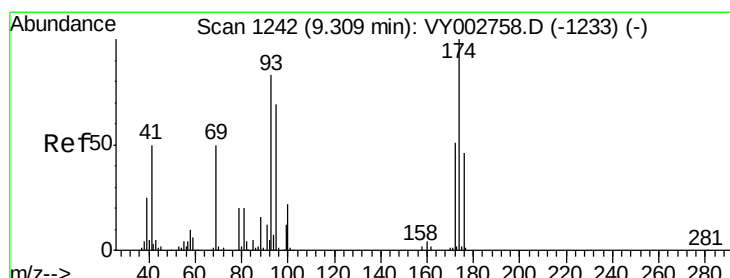
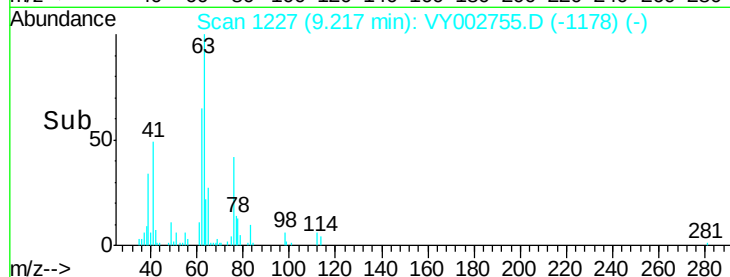
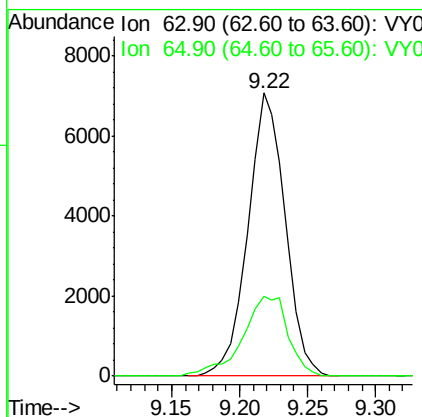
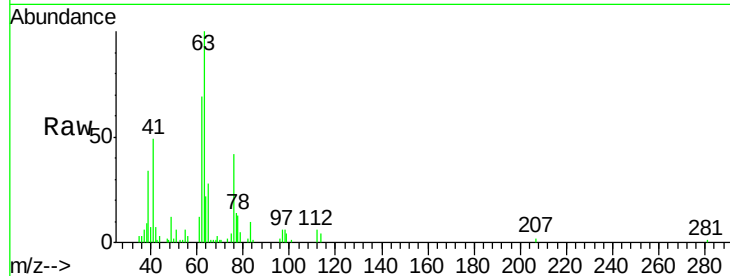
#45
 1,2-Dichloropropane
 Concen: 5.265 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.8	37.2

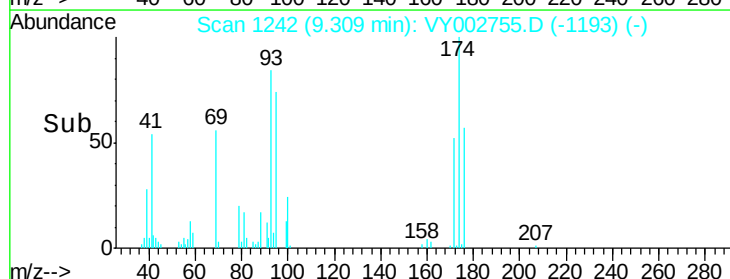
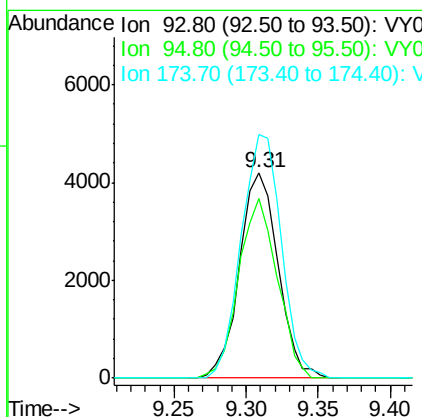
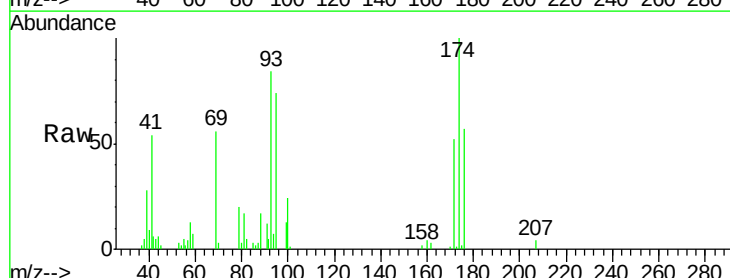
Manual Integrations
 APPROVED

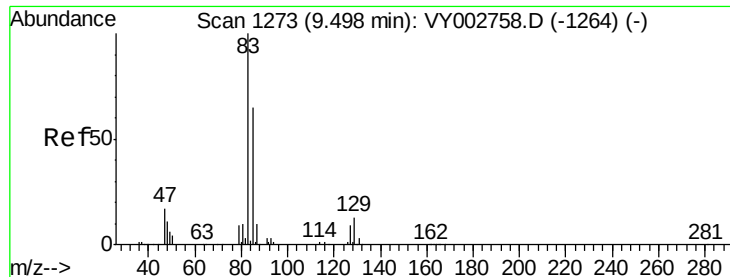
MMDadoda
 5/28/2020 2:08:31 PM



#46
 Dibromomethane
 Concen: 5.379 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.1	66.9	100.3
174	122.8	97.7	146.5





#47

Bromodichloromethane

Concen: 5.126 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

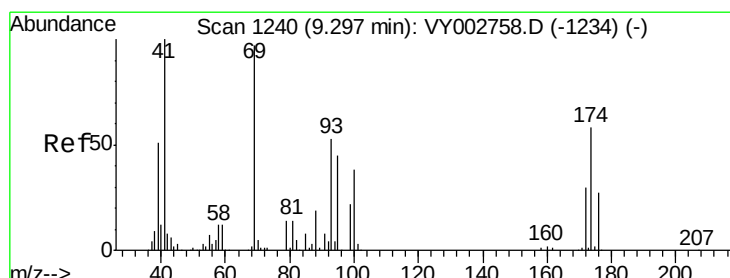
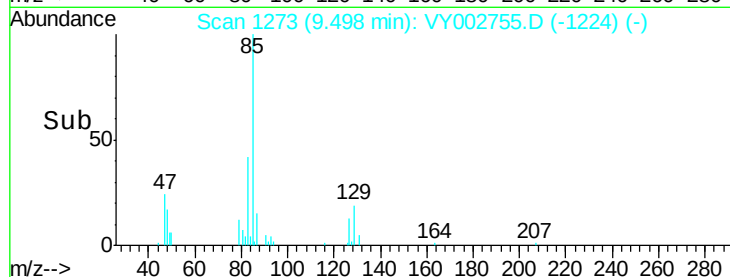
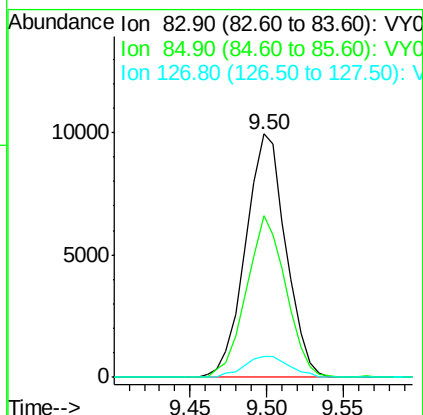
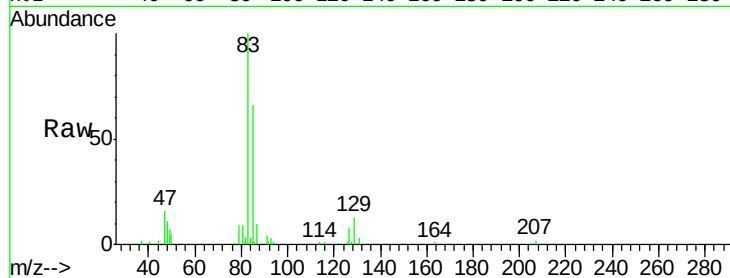
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18142
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.9	77.9
127	8.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.488 ug/l

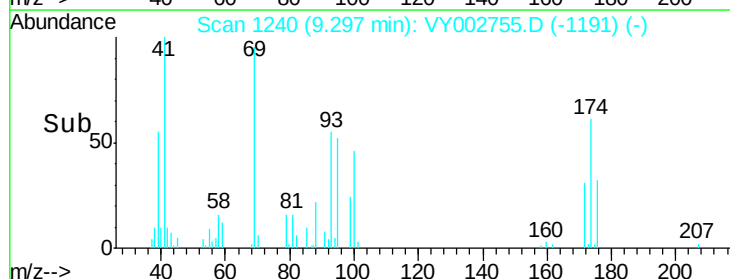
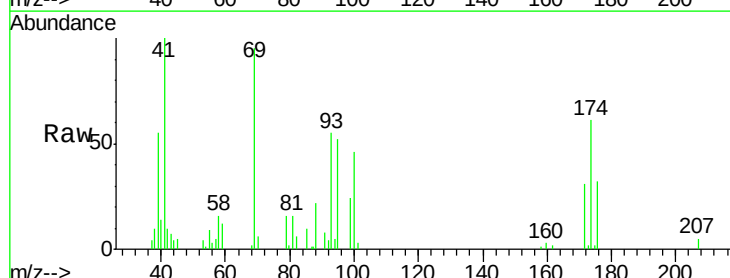
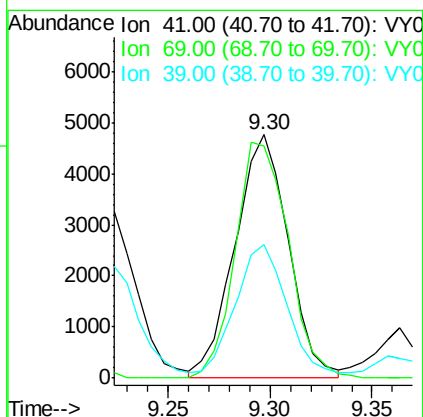
RT: 9.30 min Scan# 1240

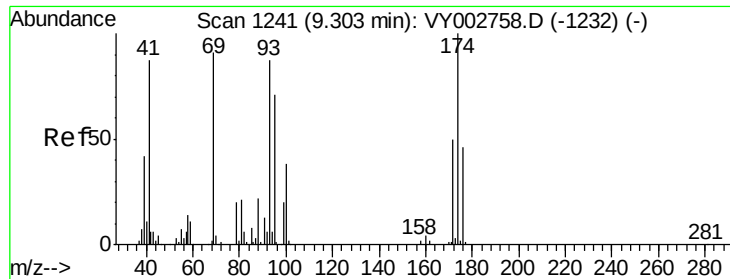
Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	41	Resp:	8665
Ion	Ratio	Lower	Upper
41	100		
69	96.1	79.7	119.5
39	54.7	43.3	64.9





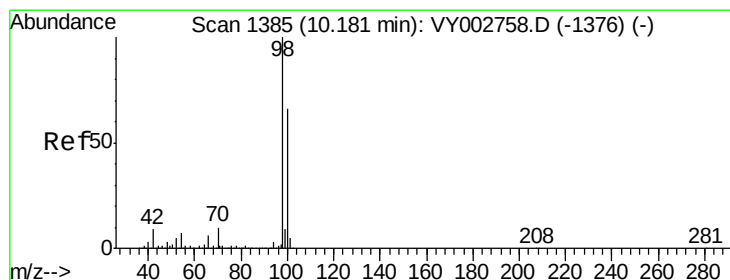
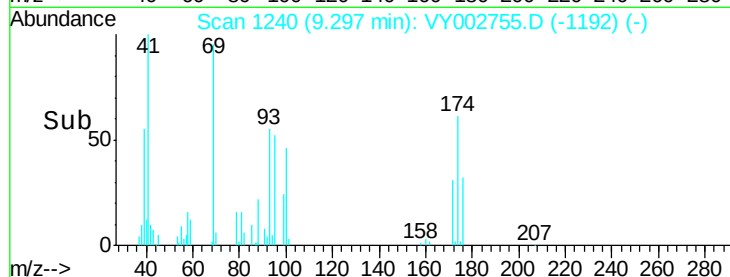
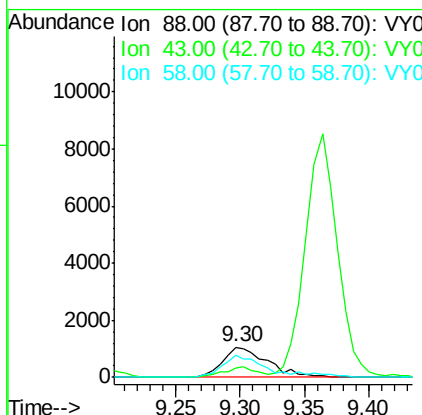
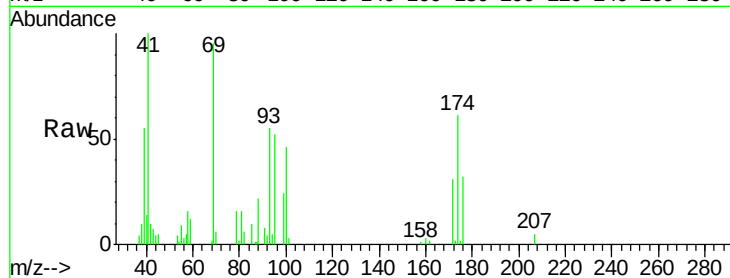
#49
1,4-Dioxane
Concen: 124.741 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2534
Ion	Ratio	Lower	Upper
88	100		
43	26.2	21.3	31.9
58	74.3	52.2	78.2

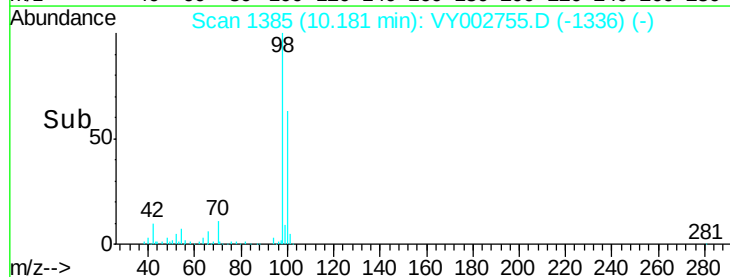
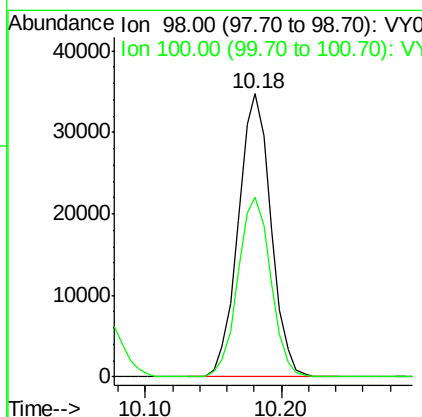
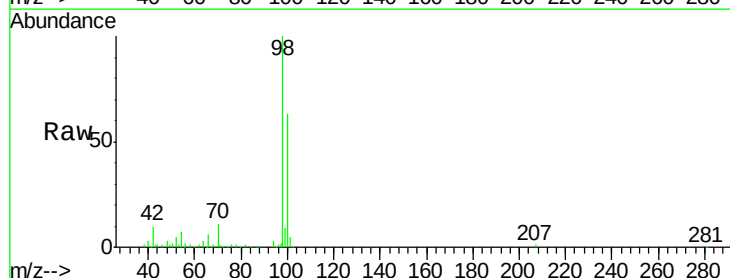
Manual Integrations
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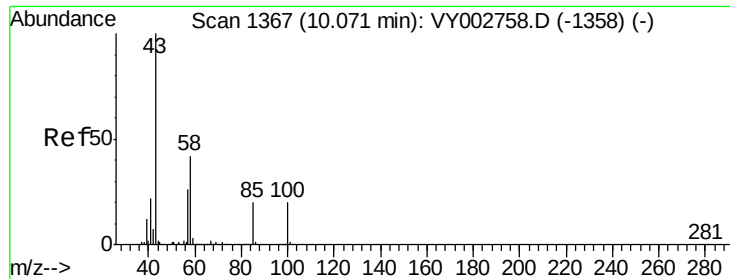
MMDadoda
5/28/2020 2:08:31 PM



#50
Toluene-d8
Concen: 5.911 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	98	Resp	58177
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2





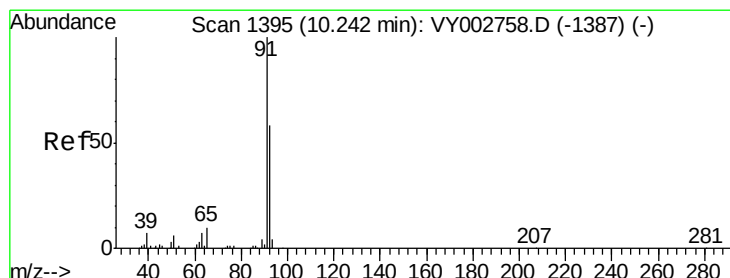
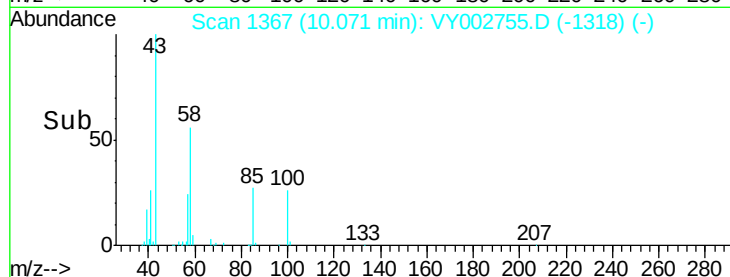
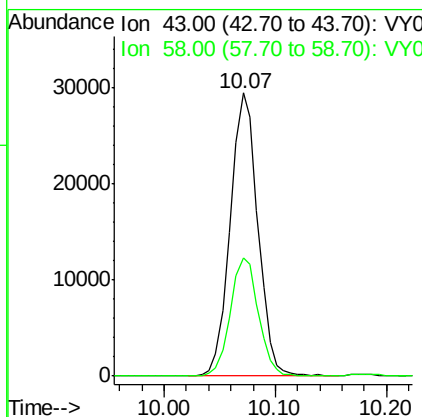
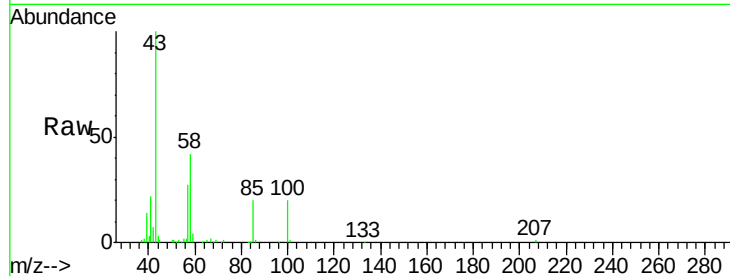
#51
4-Methyl-2-Pentanone
Concen: 28.380 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	50623
Ion Ratio	43	100	
Lower	58	42.4	34.2
Upper			51.2

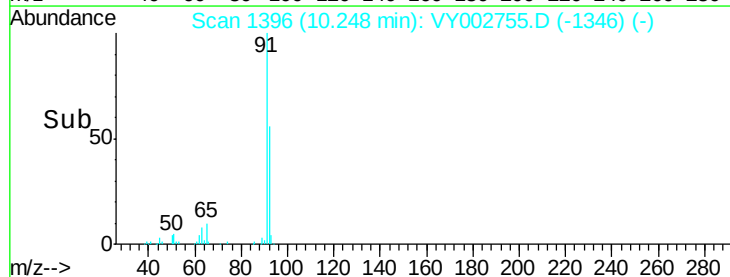
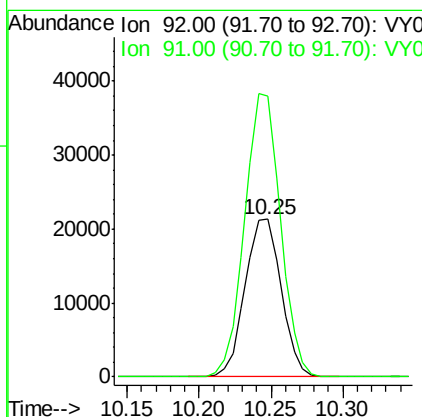
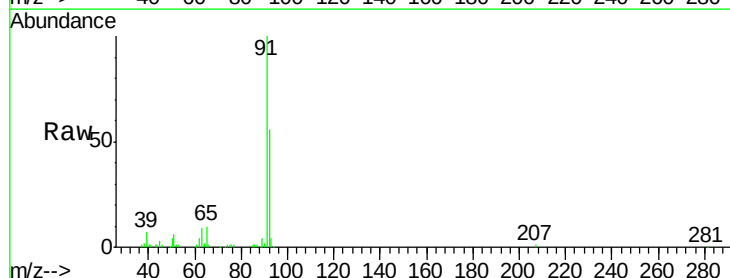
Manual Integrations
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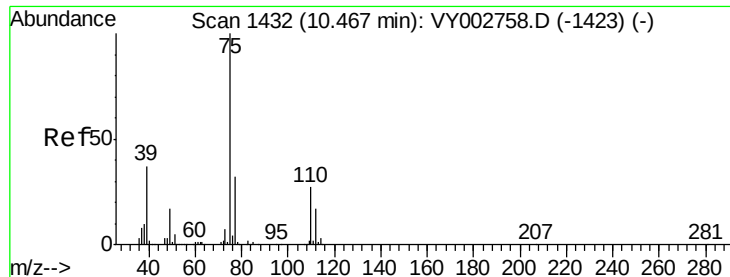
MMDadoda
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#52
Toluene
Concen: 5.283 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	92	Resp	37111
Ion Ratio	92	100	
Lower	91	177.5	138.5
Upper			207.7





#53

t-1,3-Dichloropropene

Concen: 5.258 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 19956

Ion Ratio Lower Upper

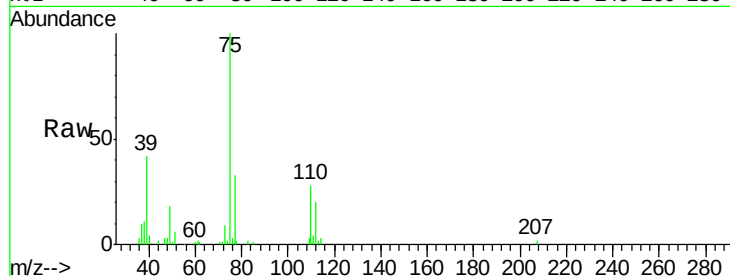
75 100

77 33.1 25.3 37.9

Manual Integrations
APPROVED

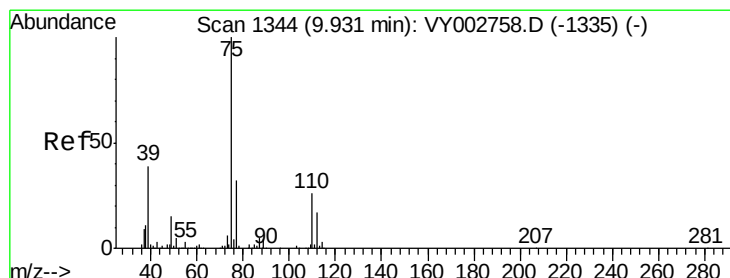
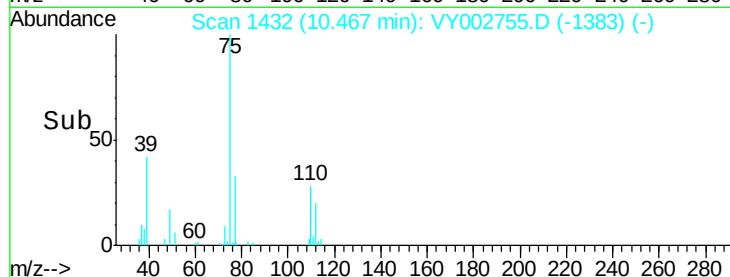
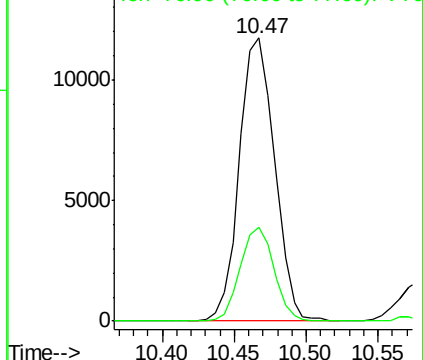
MMDadoda

5/28/2020 2:08:31 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 5.205 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

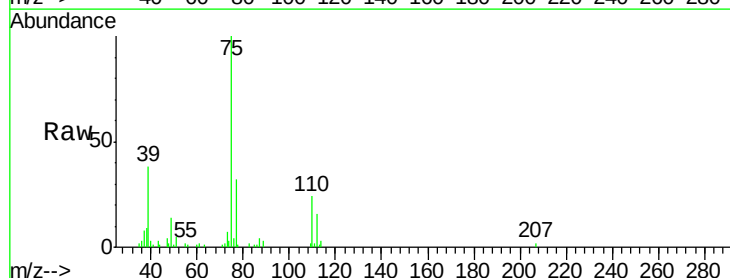
Tgt Ion: 75 Resp: 22796

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

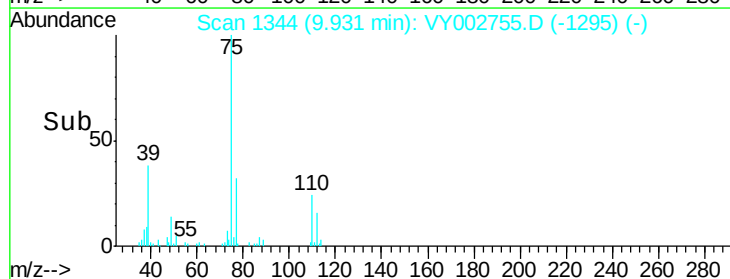
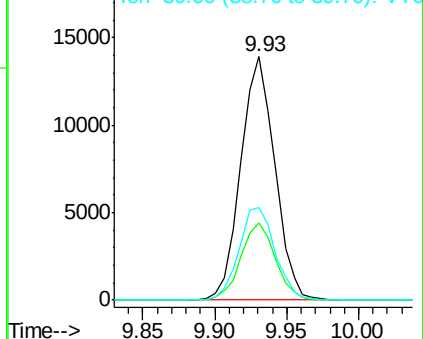
39 38.0 31.3 46.9

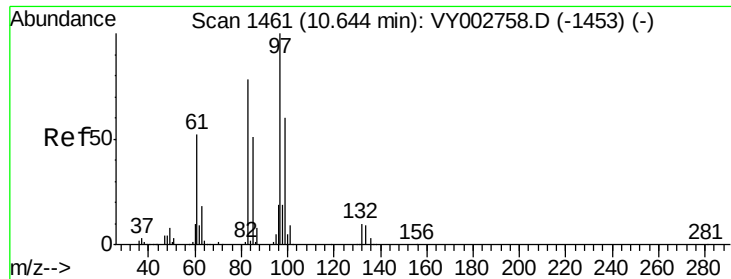


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





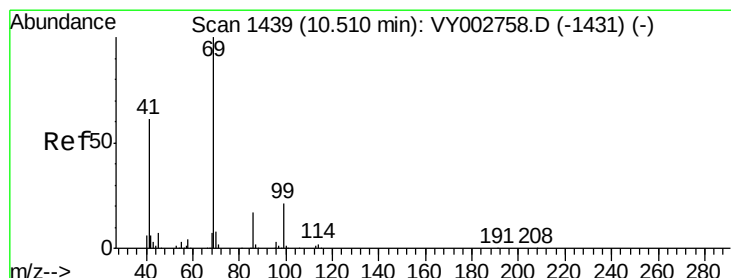
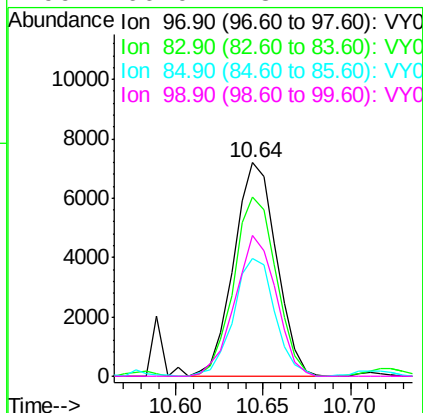
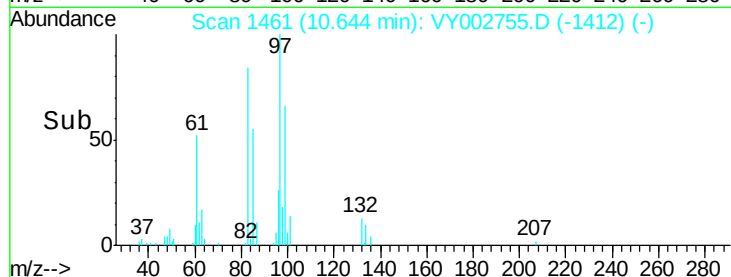
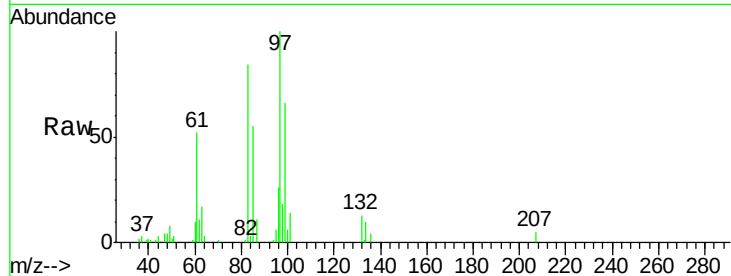
#55
 1,1,2-Trichloroethane
 Concen: 5.599 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12234
Ion	Ratio	Lower	Upper
97	100		
83	84.0	62.7	94.1
85	55.3	40.6	60.8
99	66.0	48.2	72.4

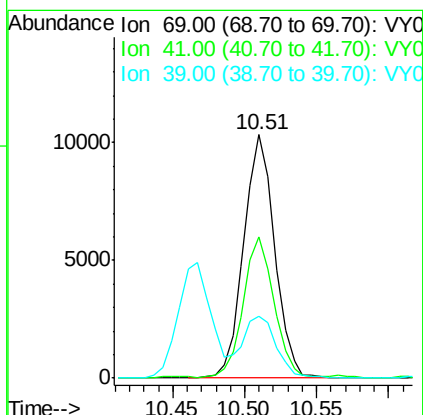
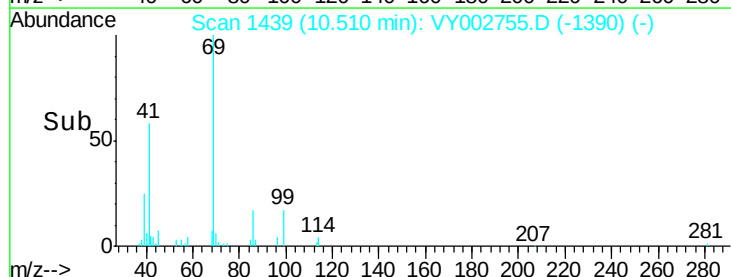
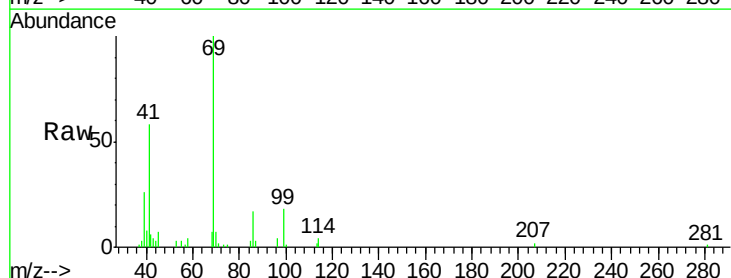
Manual Integrations
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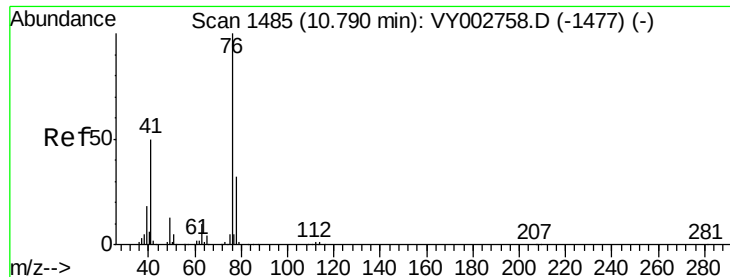
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 5.298 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion:	69	Resp:	15358
Ion	Ratio	Lower	Upper
69	100		
41	58.0	47.0	70.4
39	26.5	22.0	33.0





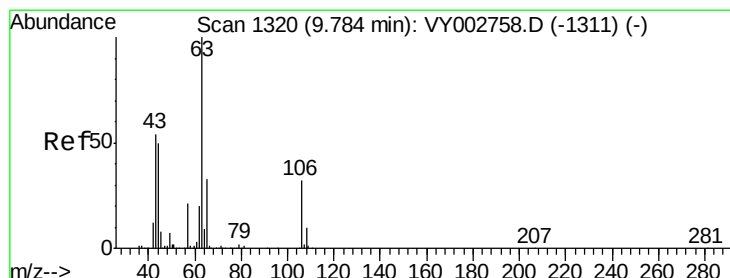
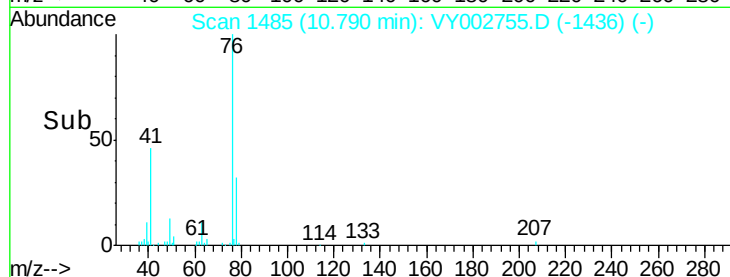
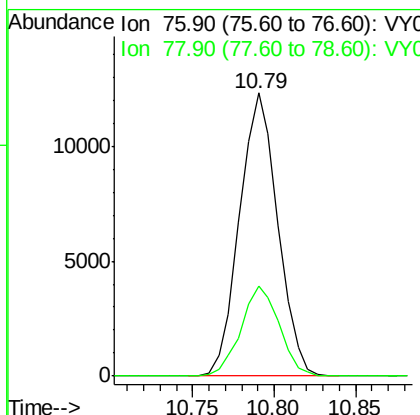
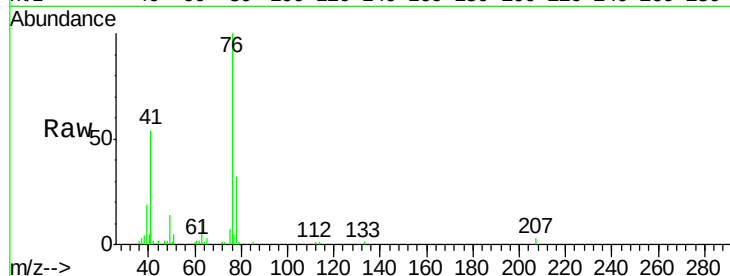
#57
 1,3-Dichloropropane
 Concen: 5.530 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

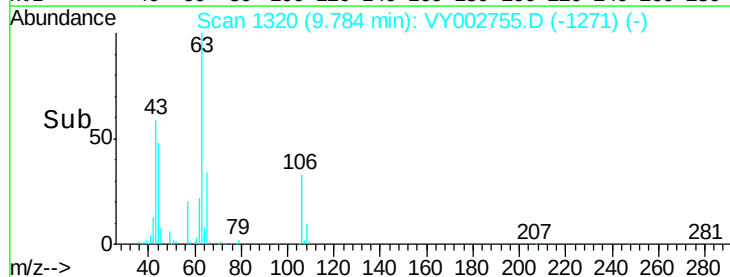
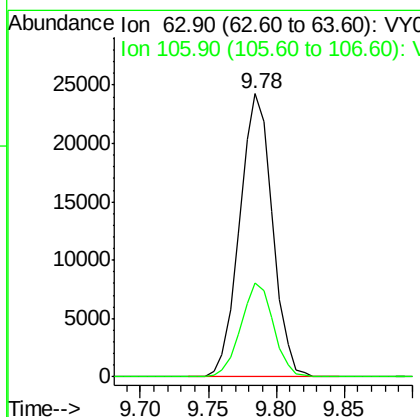
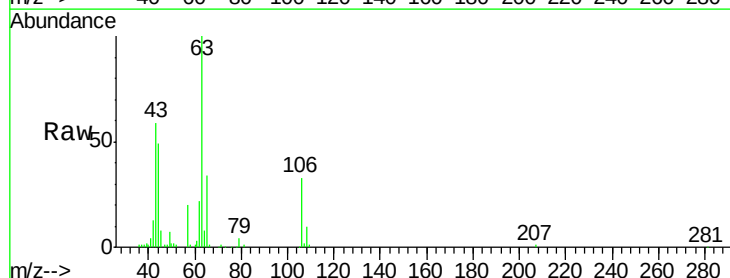
Manual Integrations
 APPROVED

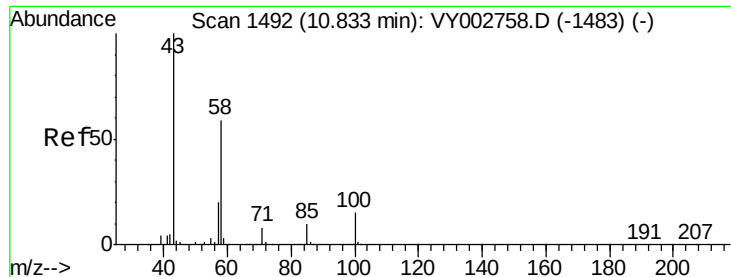
MMDadoda
 5/28/2020 2:08:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.661 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.9	25.4	38.2





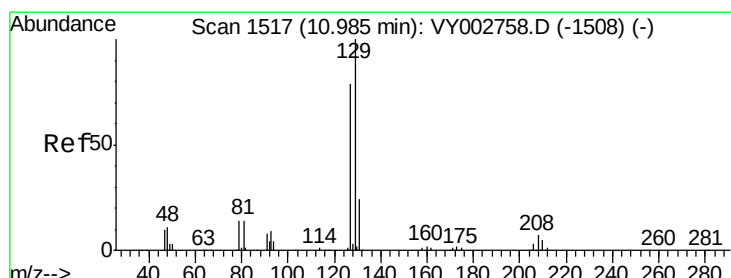
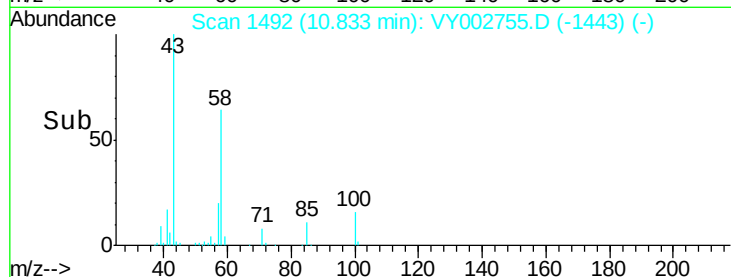
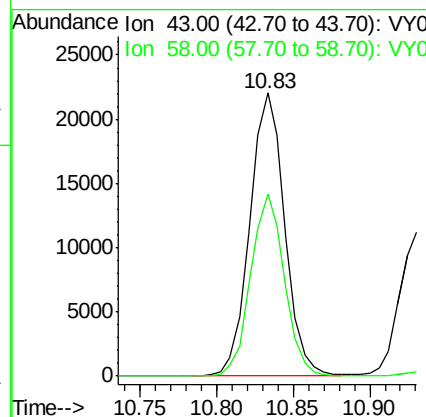
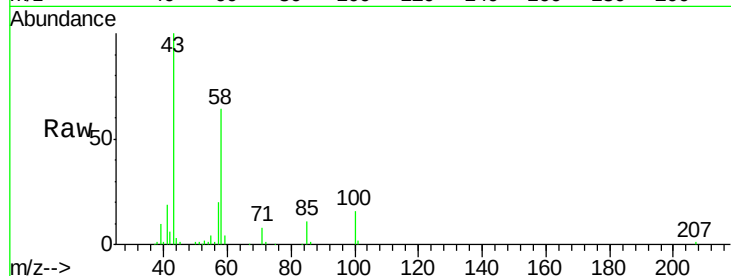
#59
2-Hexanone
Concen: 27.920 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 34887
Ion Ratio Lower Upper
43 100
58 62.2 29.5 88.5

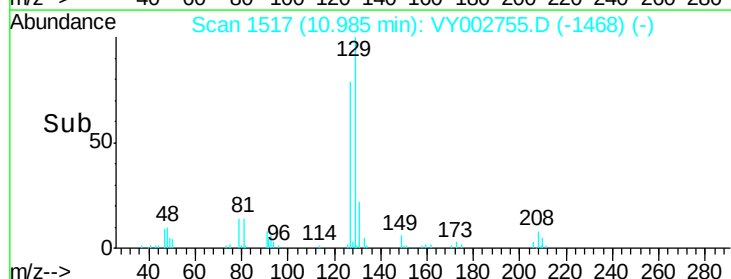
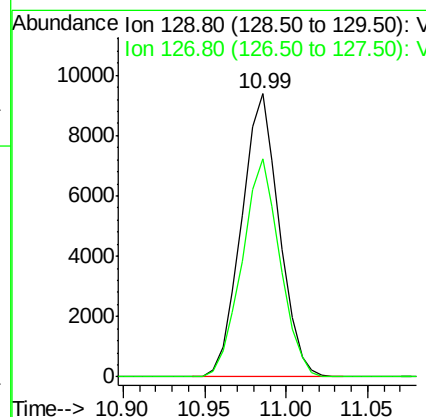
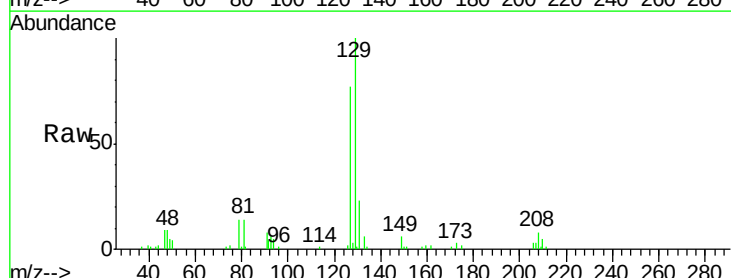
Manual Integrations
APPROVED

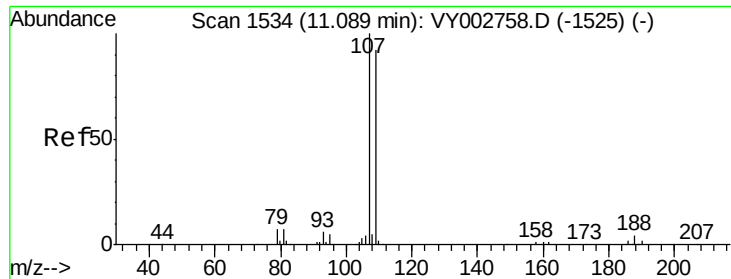
MMDadoda
5/28/2020 2:08:31 PM



#60
Dibromochloromethane
Concen: 5.452 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 129 Resp: 15144
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 5.569 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 11968

Ion Ratio Lower Upper

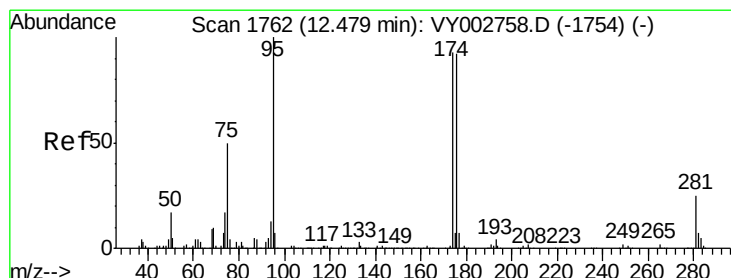
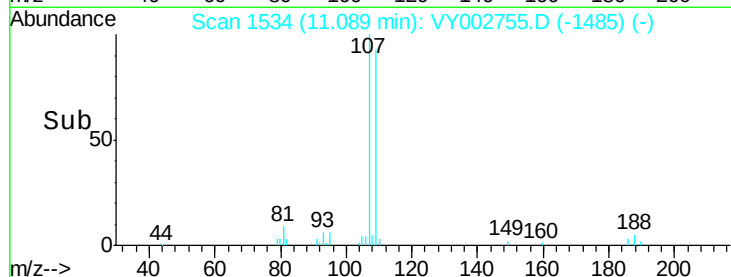
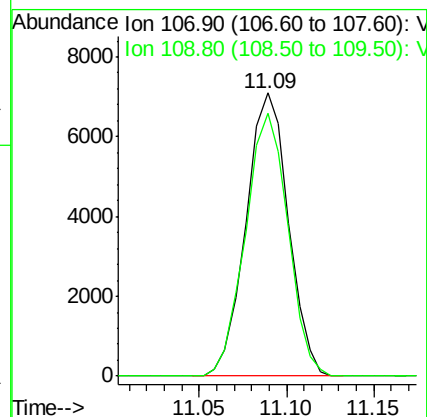
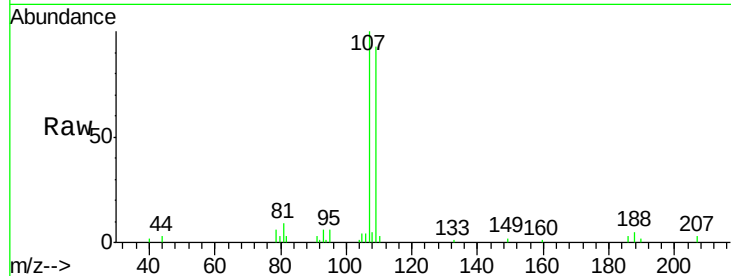
107 100

109 93.0 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 5.798 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

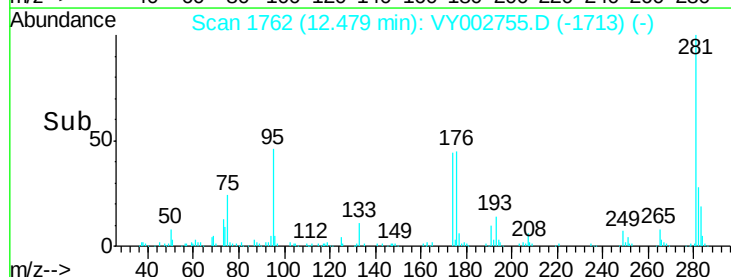
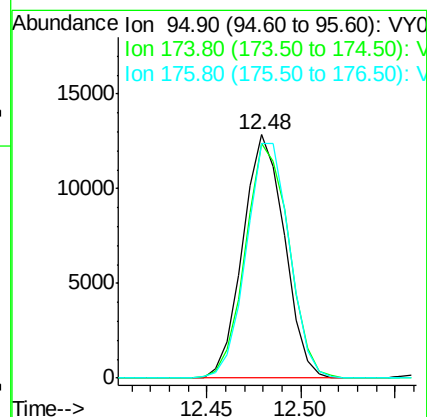
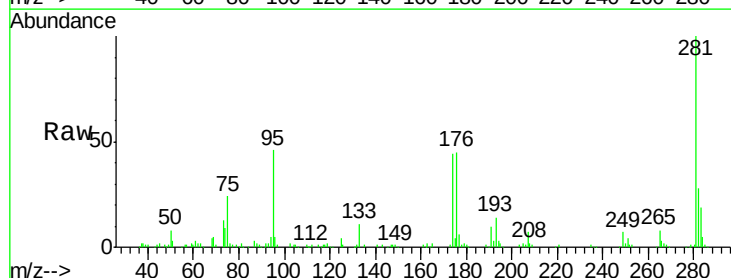
Tgt Ion: 95 Resp: 19683

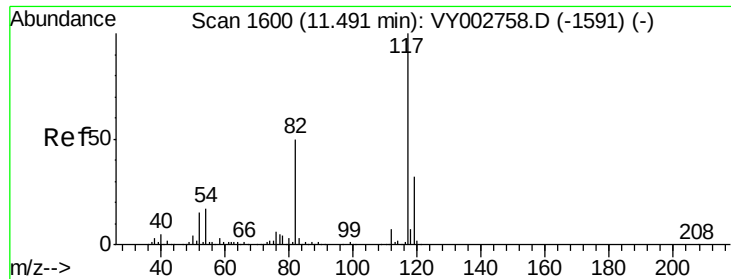
Ion Ratio Lower Upper

95 100

174 100.5 0.0 191.2

176 99.8 0.0 188.8





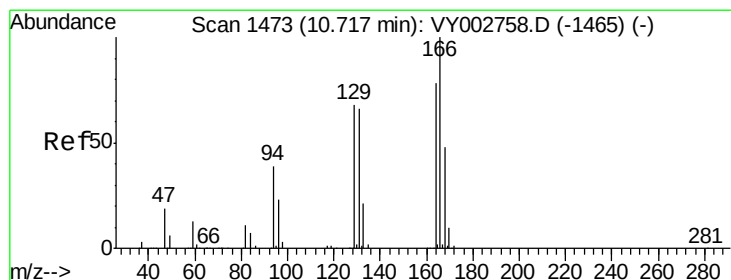
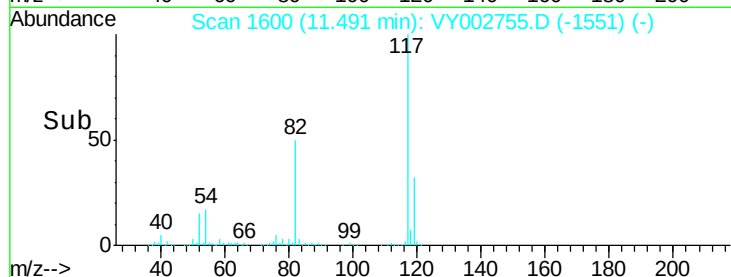
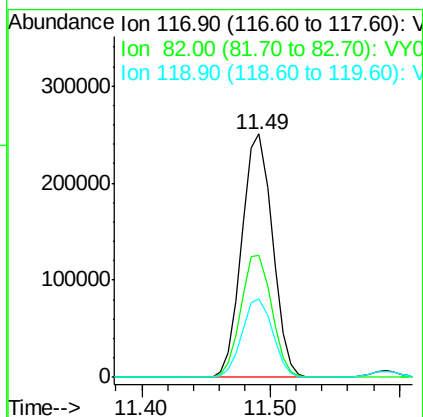
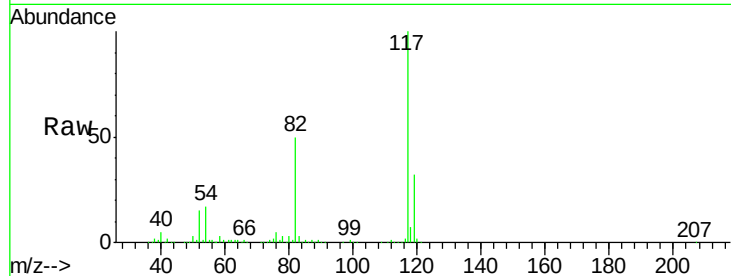
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413592		
82	50.0		40.2	60.4
119	32.5		25.8	38.8

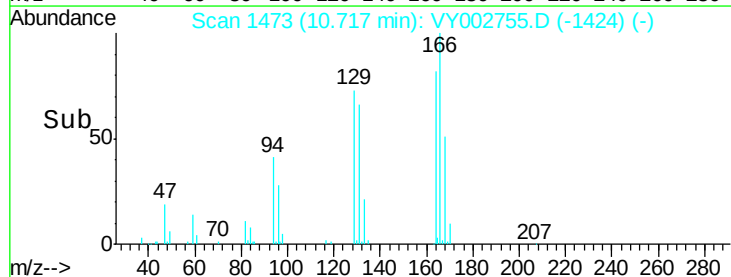
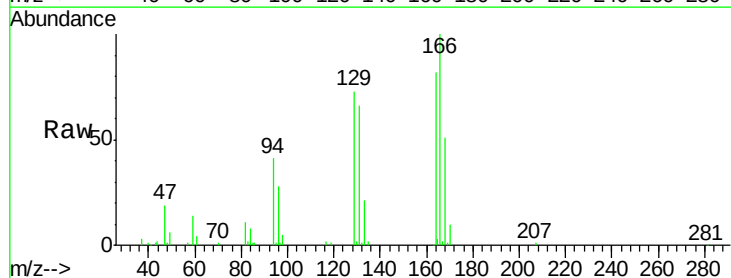
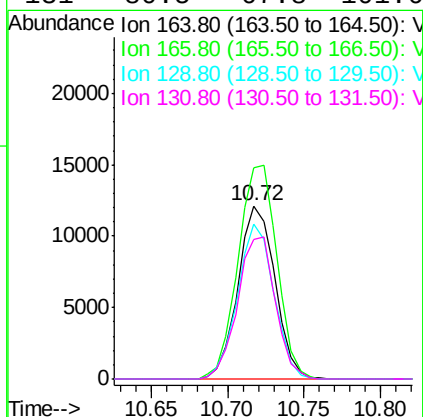
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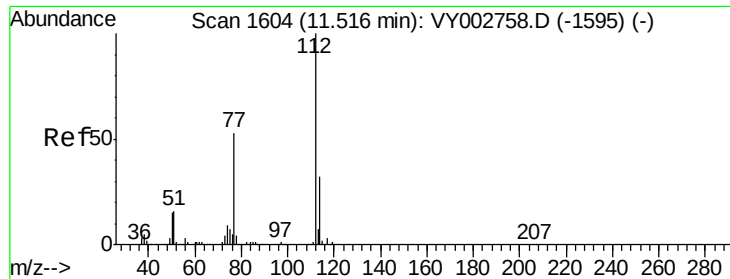
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#64
Tetrachloroethene
Concen: 5.240 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20329		
166	122.0		102.3	153.5
129	89.4		69.4	104.2
131	80.5		67.8	101.6





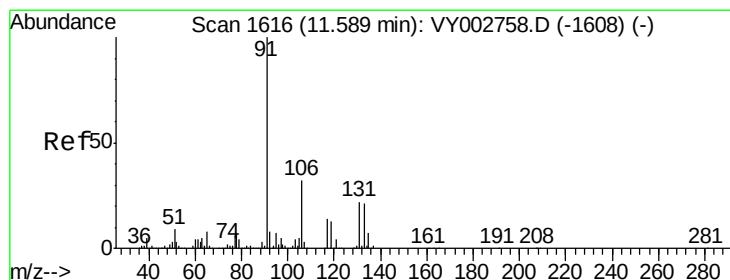
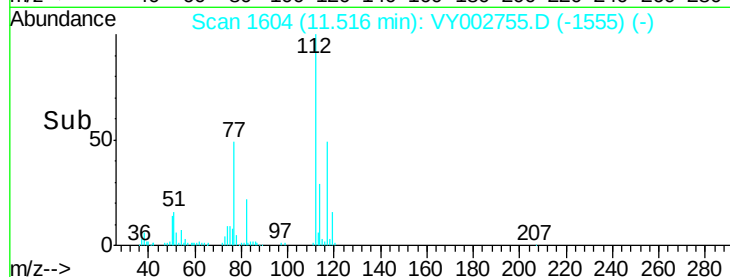
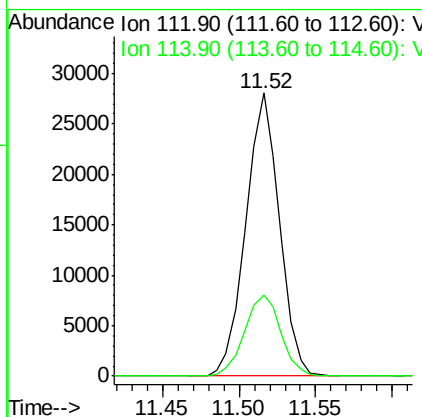
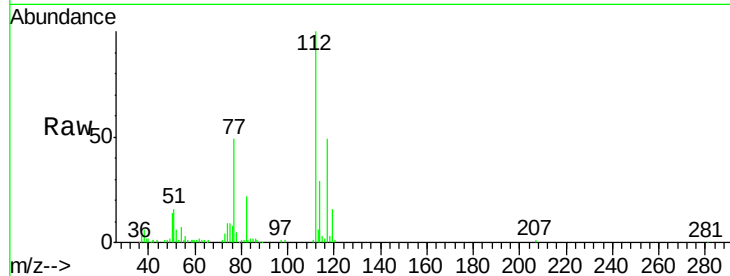
#65
Chlorobenzene
Concen: 5.362 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.6	25.7	38.5

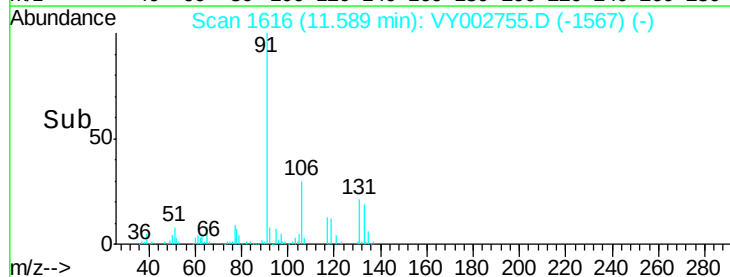
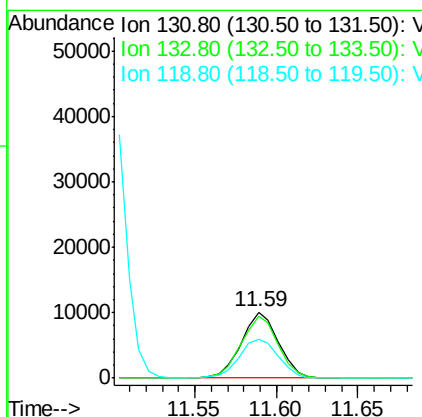
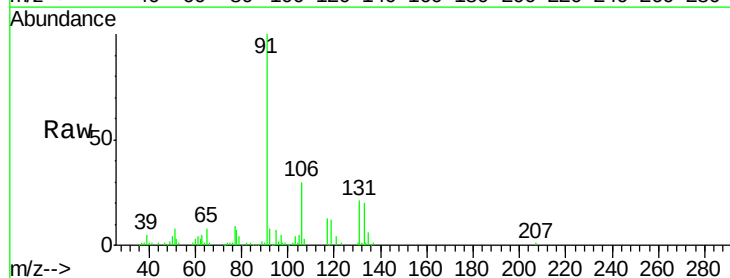
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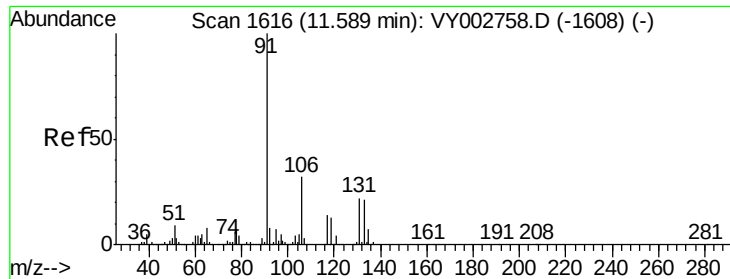
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.336 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.8
119	63.0	31.7	95.1





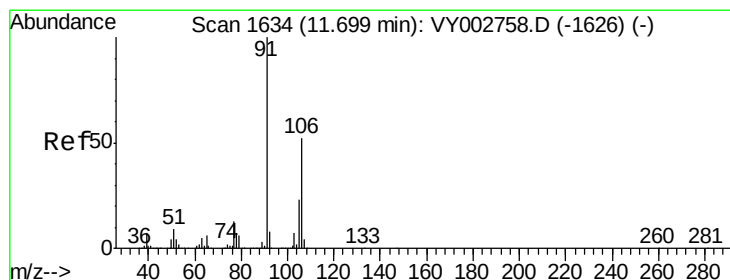
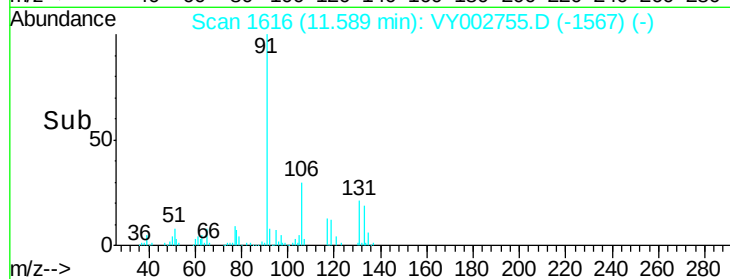
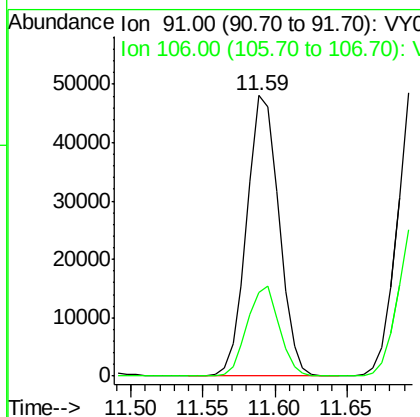
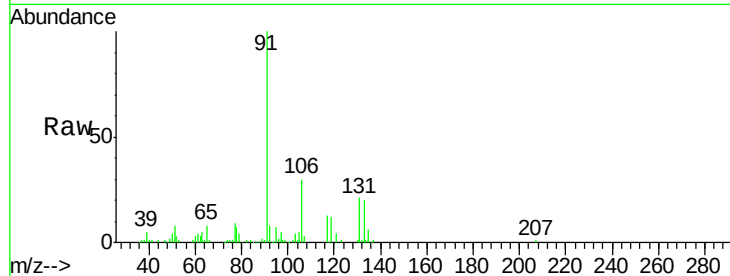
#67
Ethyl Benzene
Concen: 5.317 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 74394
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5

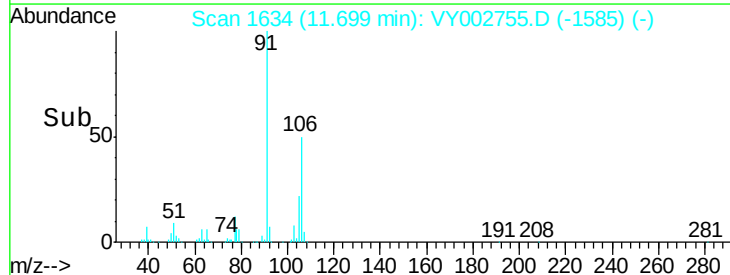
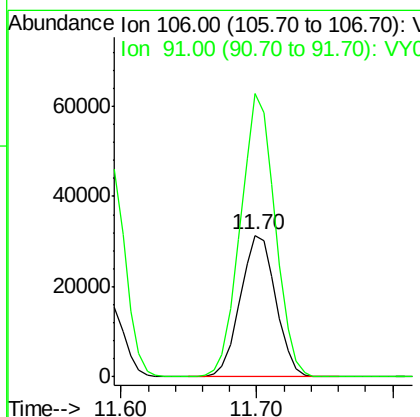
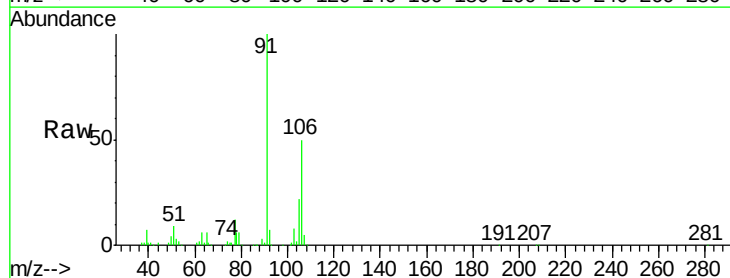
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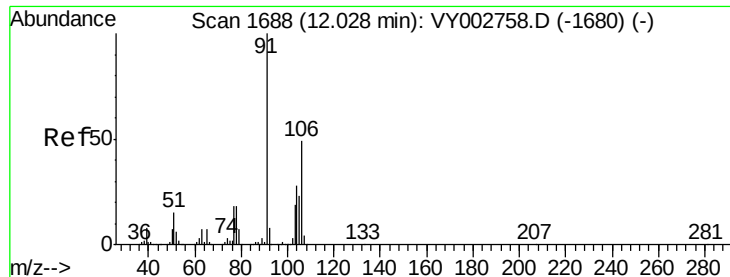
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#68
m/p-Xylenes
Concen: 10.456 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 106 Resp: 56930
Ion Ratio Lower Upper
106 100
91 195.7 156.0 234.0





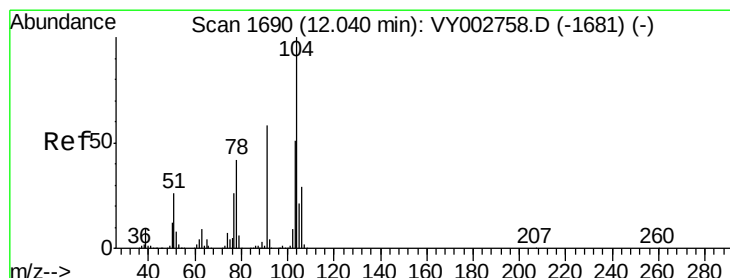
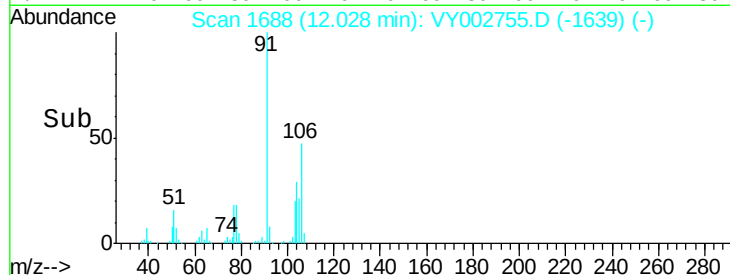
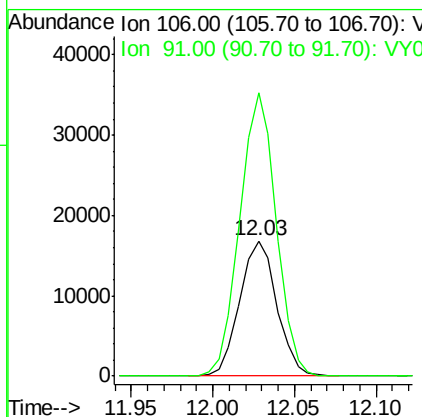
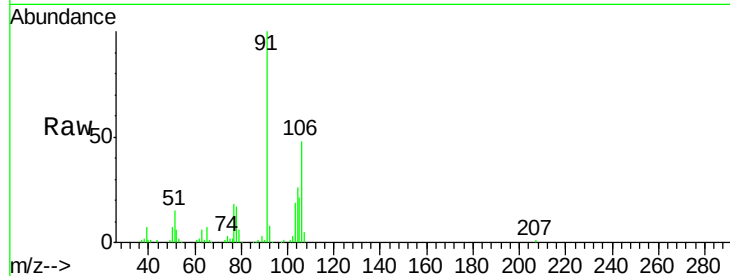
#69
o-Xylene
Concen: 5.212 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.5	102.4	307.1	

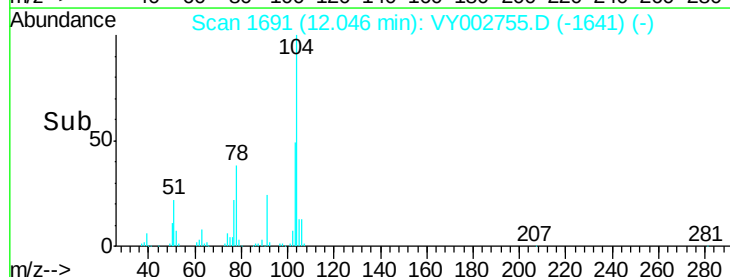
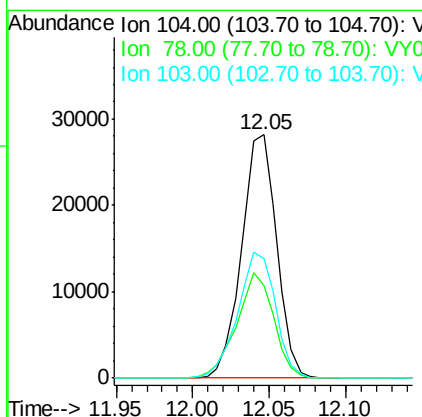
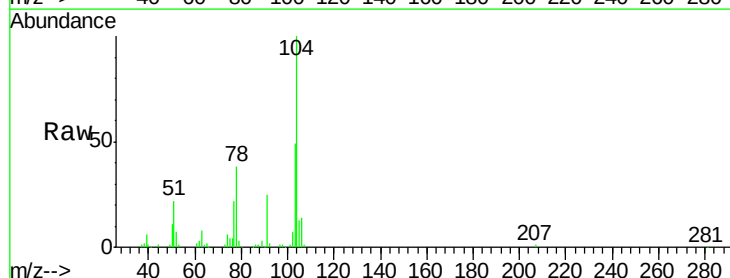
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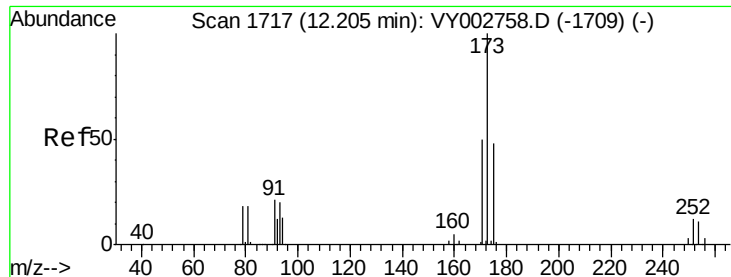
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#70
Styrene
Concen: 5.108 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.9	36.2	54.4	
103	55.6	43.6	65.4	





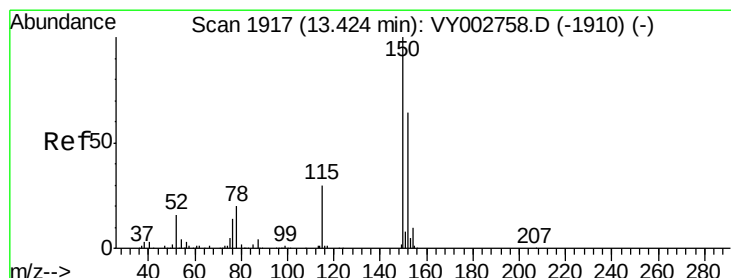
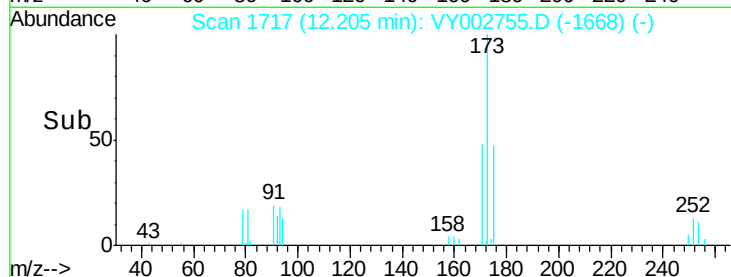
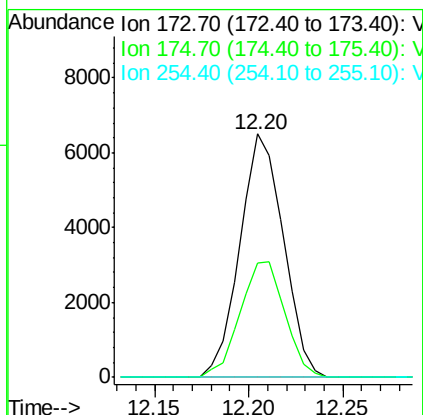
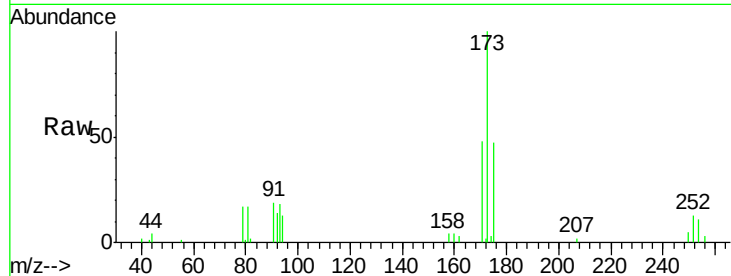
#71
Bromoform
Concen: 5.606 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.1	0.1#

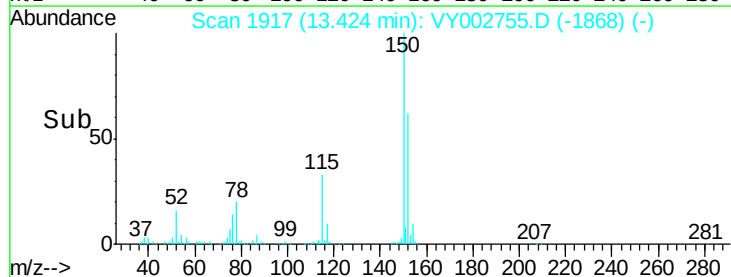
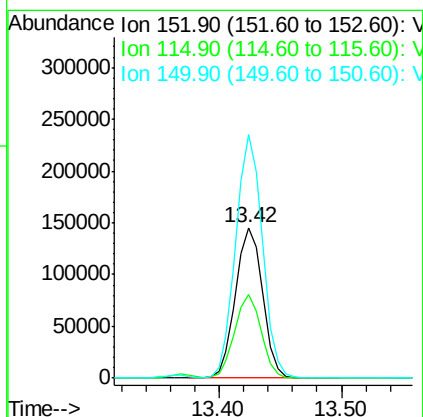
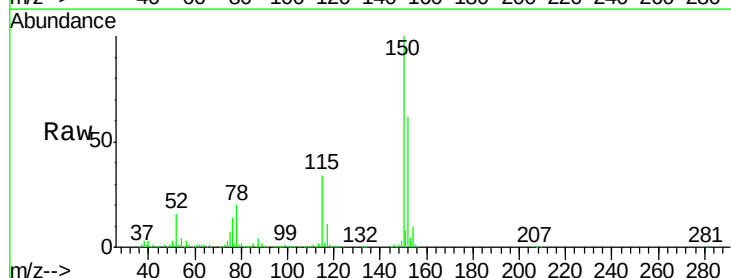
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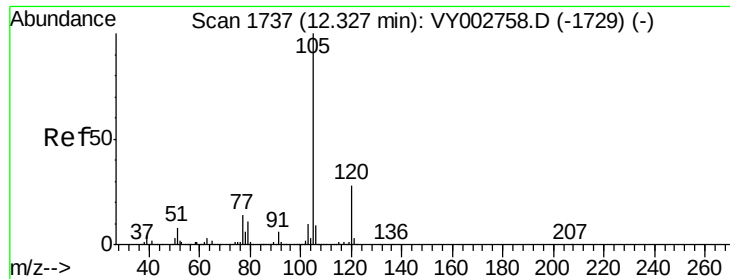
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.0	81.0
150	159.6	0.0	344.8





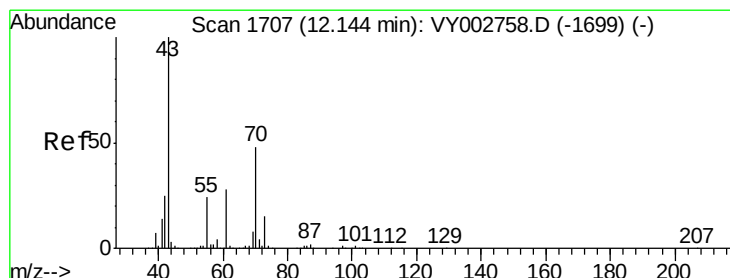
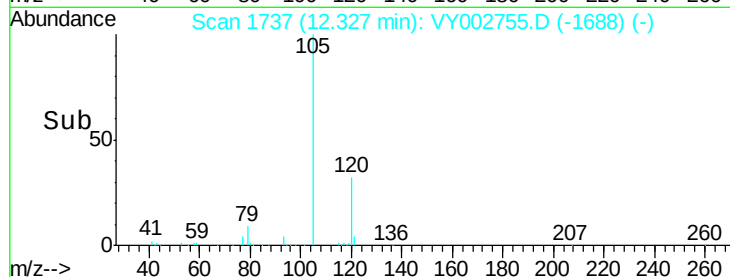
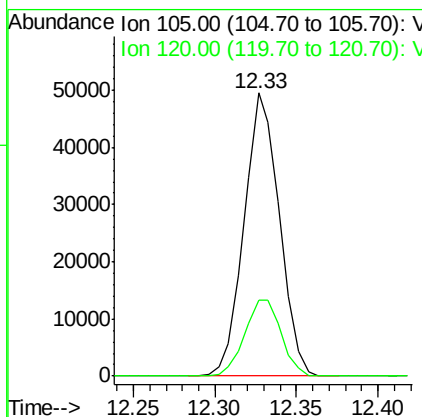
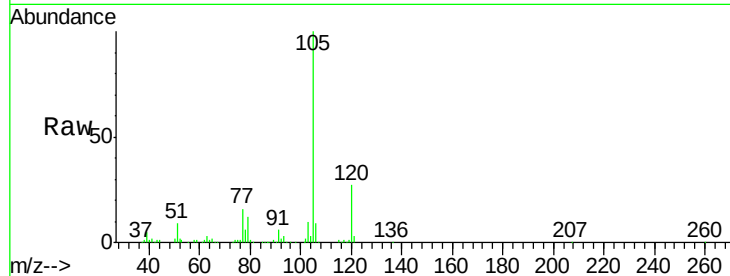
#73
Isopropylbenzene
Concen: 5.176 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.7	41.1

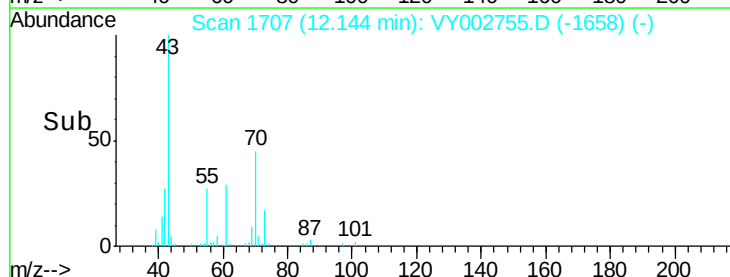
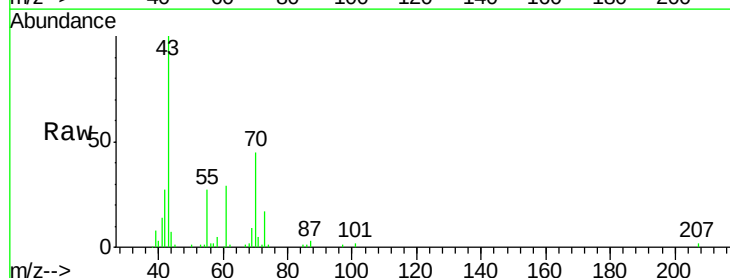
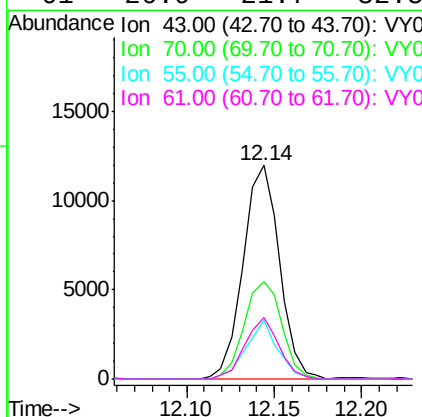
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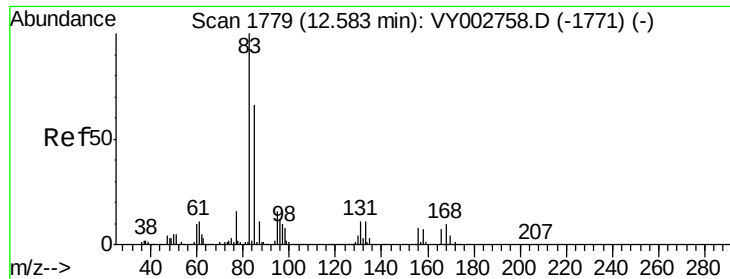
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#74
N-ethyl acetate
Concen: 5.079 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.8	37.7	56.5
55	23.7	19.8	29.6
61	26.9	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.754 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

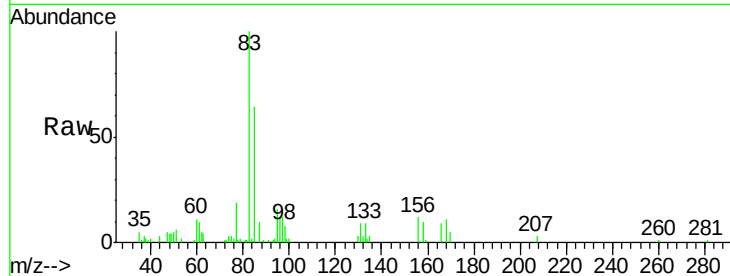
ClientSampleId :

VSTDIC005

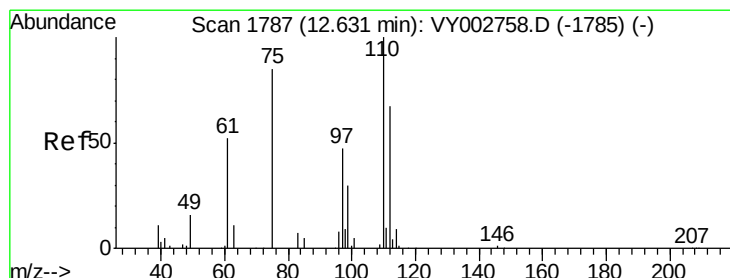
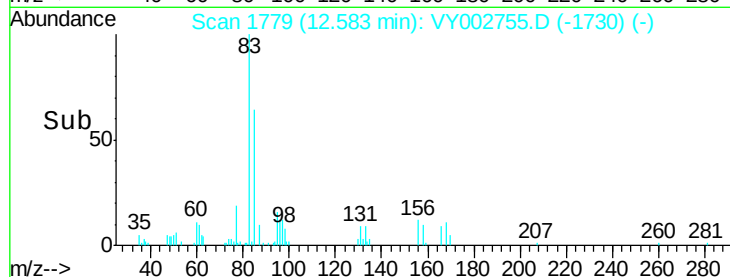
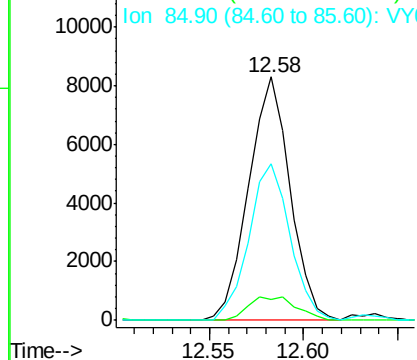
Tot Ion:	83	Resp:	12588
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.4
85	64.2	32.6	98.0

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 5.696 ug/l m

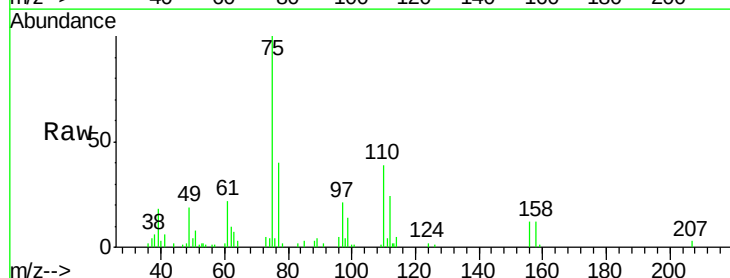
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

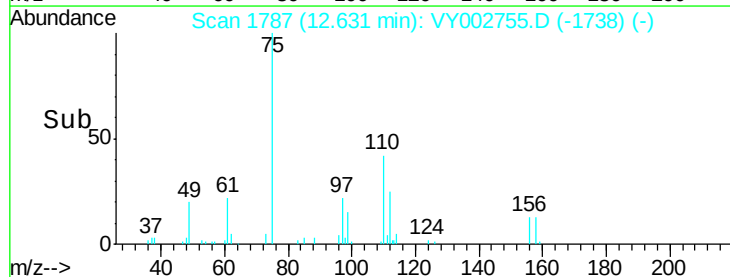
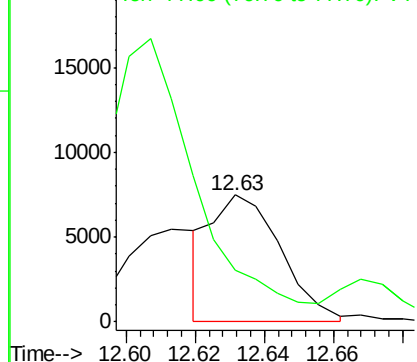
Lab File: VY002755.D

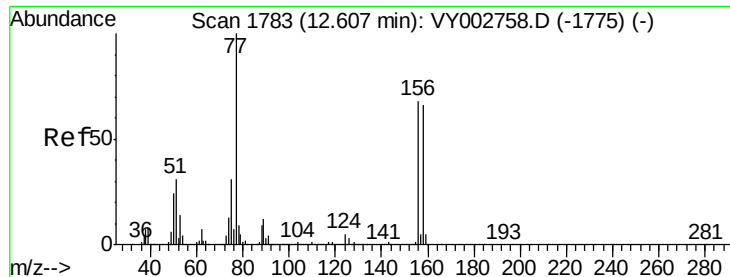
Acq: 27 May 2020 11:04

Tgt Ion:	75	Resp:	10462
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 5.501 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

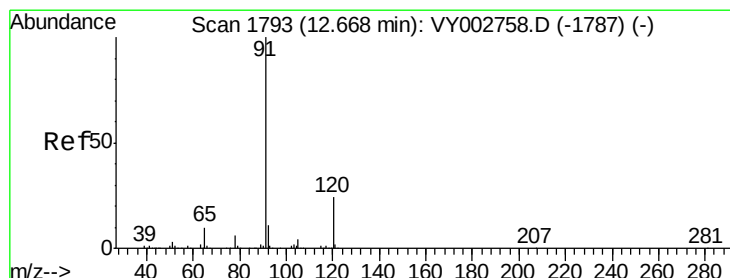
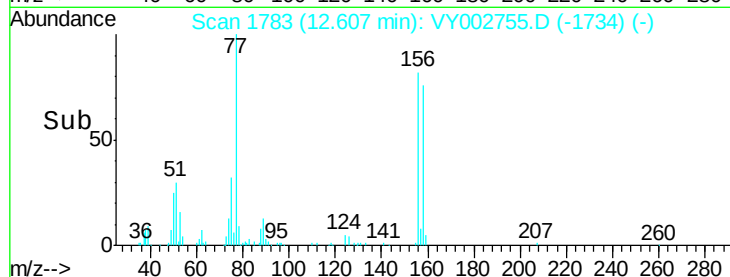
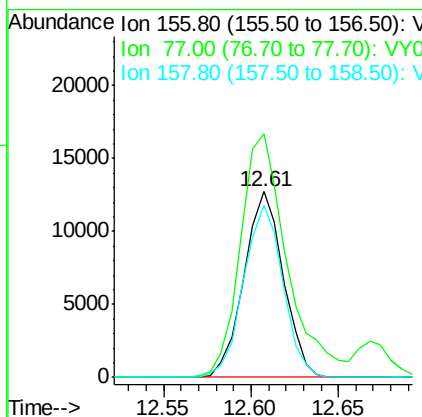
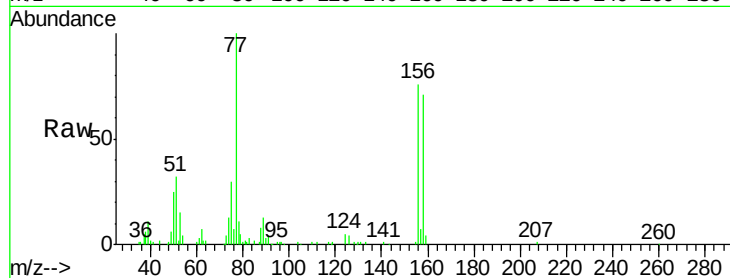
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	19937
Ion Ratio	Lower	Upper	
156	100		
77	156.6	81.4	244.2
158	92.5	48.5	145.6

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#78

n-propylbenzene

Concen: 5.153 ug/l

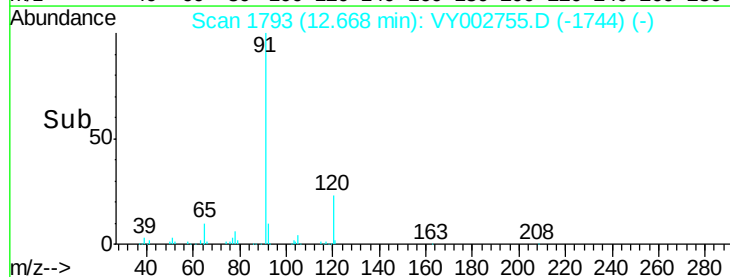
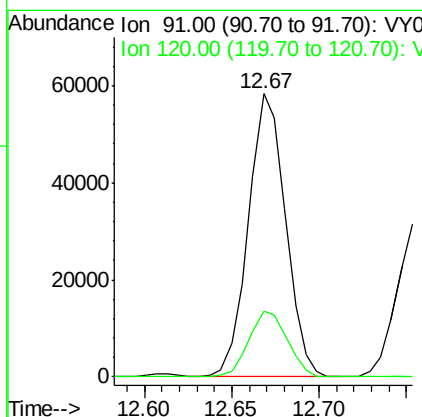
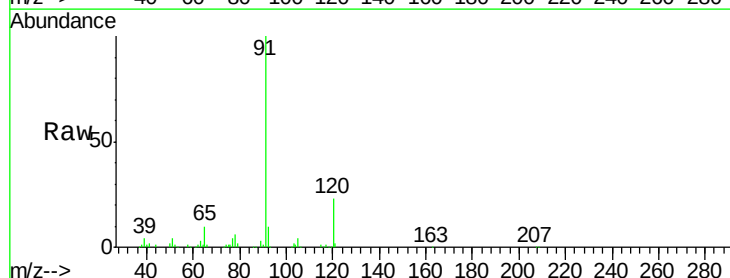
RT: 12.67 min Scan# 1793

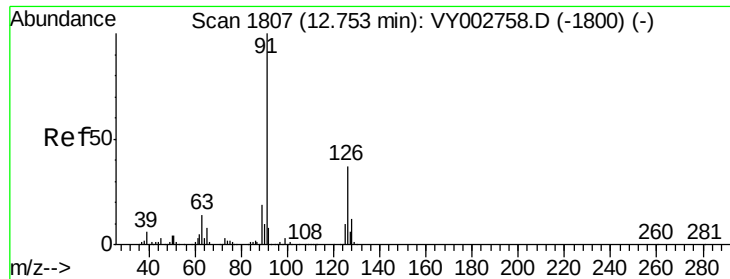
Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion:	91	Resp:	86374
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 5.193 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48339

Ion Ratio Lower Upper

91 100

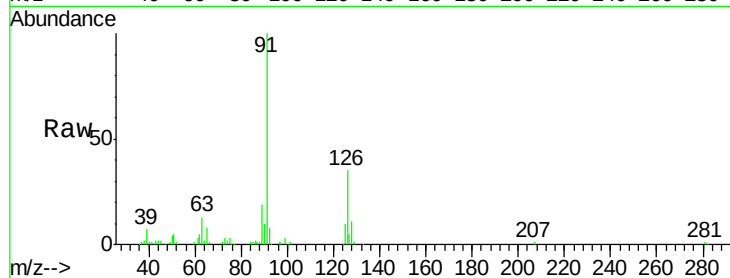
126 37.1 18.4 55.4

Manual Integrations

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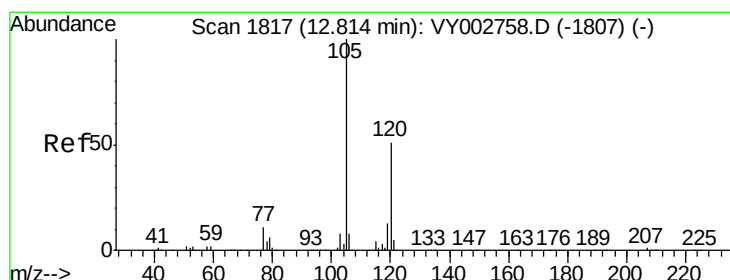
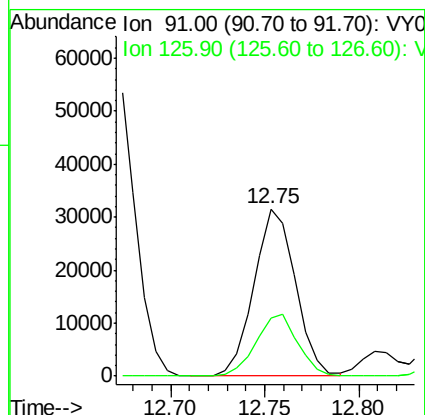
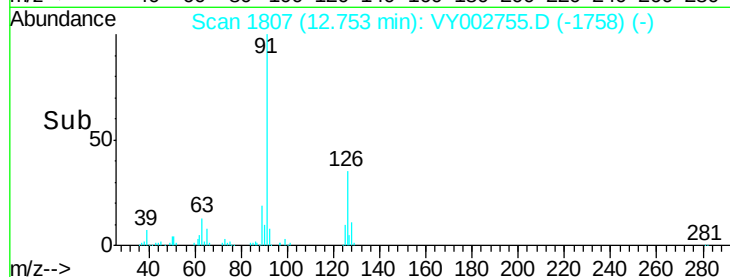
5/28/2020 2:08:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002755.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002755.D (-1758) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.116 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002755.D

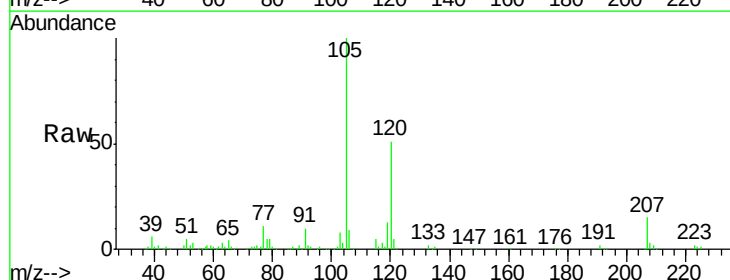
Acq: 27 May 2020 11:04

Tgt Ion: 105 Resp: 61958

Ion Ratio Lower Upper

105 100

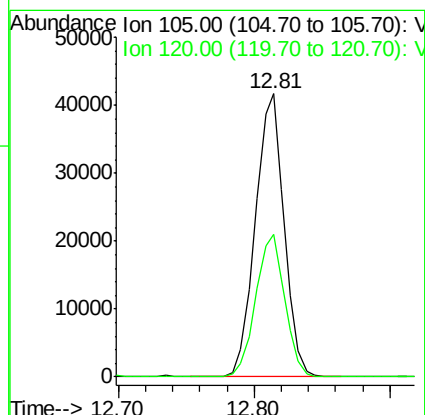
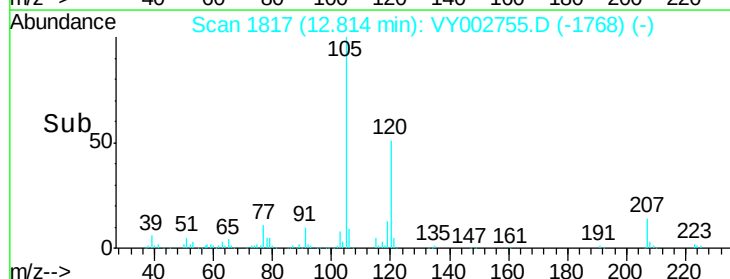
120 50.9 25.3 75.8

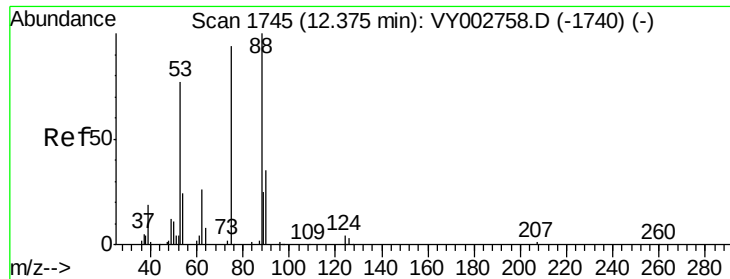


Abundance Ion 105.00 (104.70 to 105.70): VY002755.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002755.D (-1768) (-)

Time-->





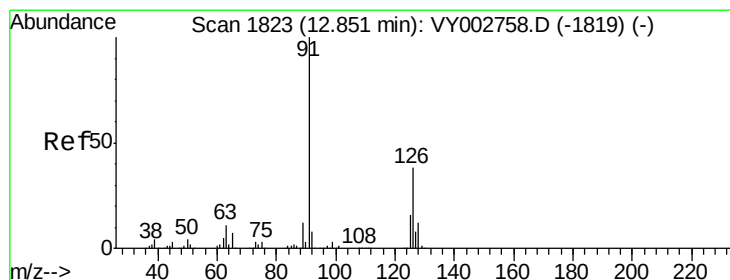
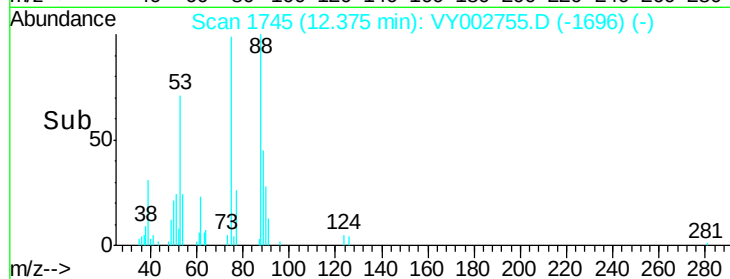
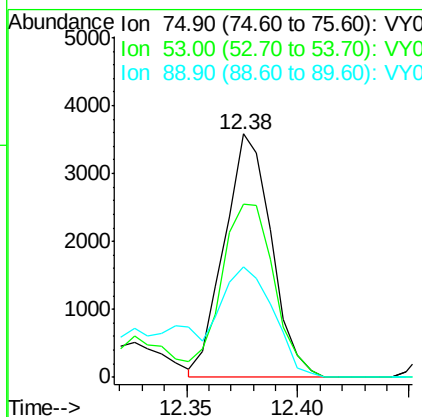
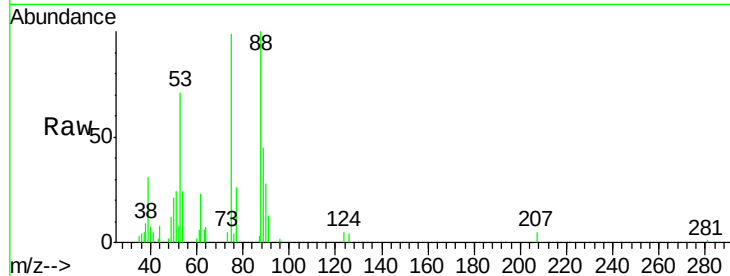
#81
trans-1,4-Dichloro-2-butene
Concen: 5.388 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.4	64.0	96.0
89	50.8	37.4	56.2

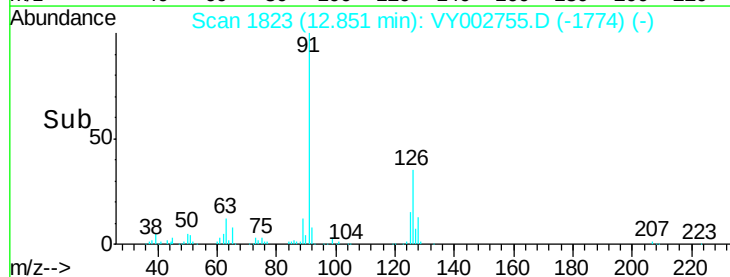
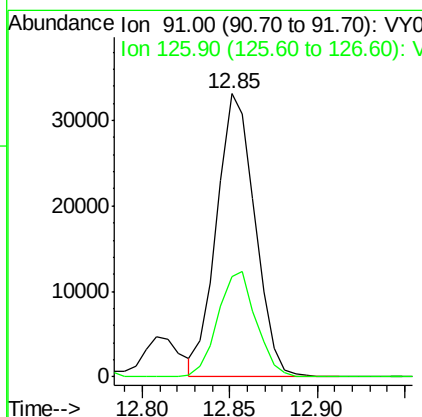
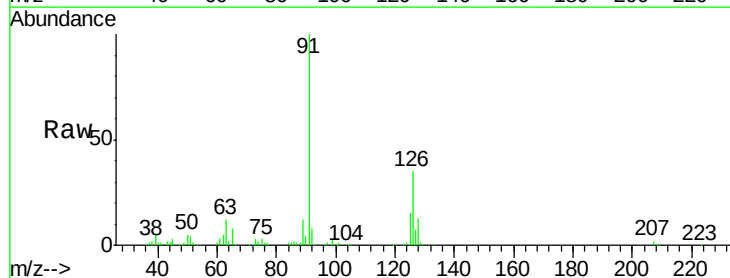
Manual Integrations
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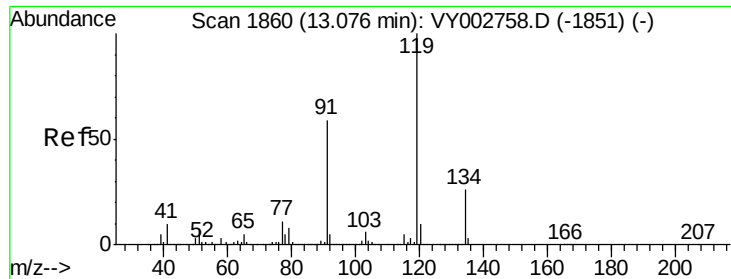
MMDadoda
5/28/2020 2:08:31 PM



#82
4-Chlorotoluene
Concen: 5.154 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5





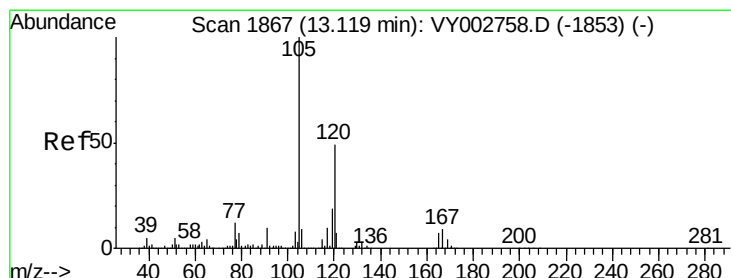
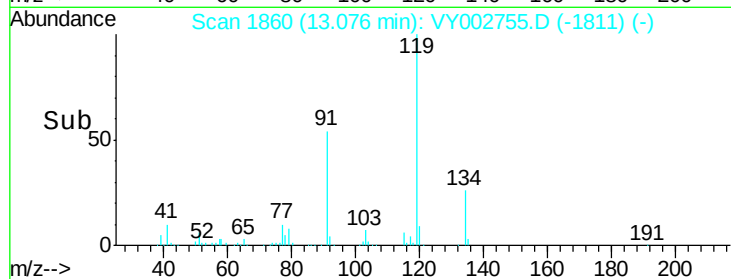
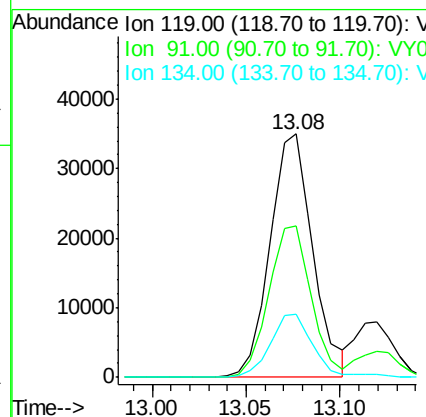
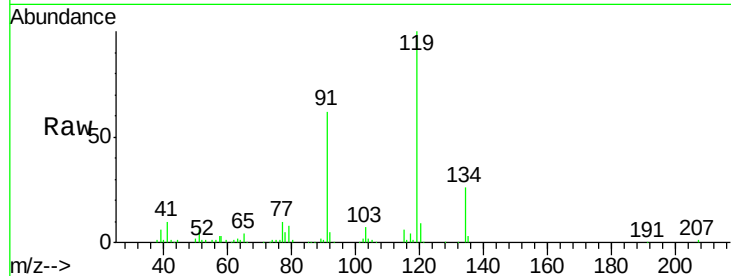
#83
 tert-Butylbenzene
 Concen: 5.118 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.8	89.4
134	26.4	13.3	39.8

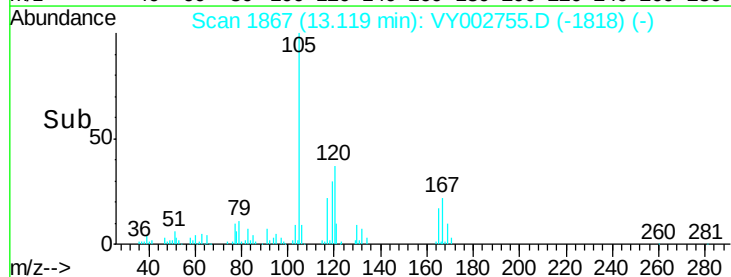
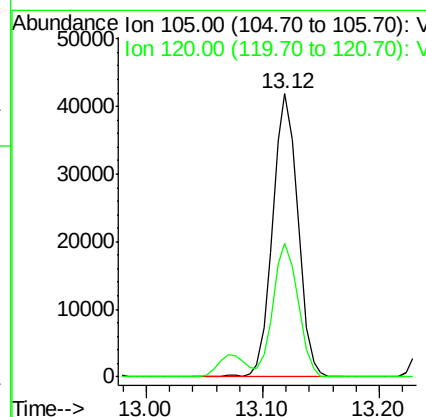
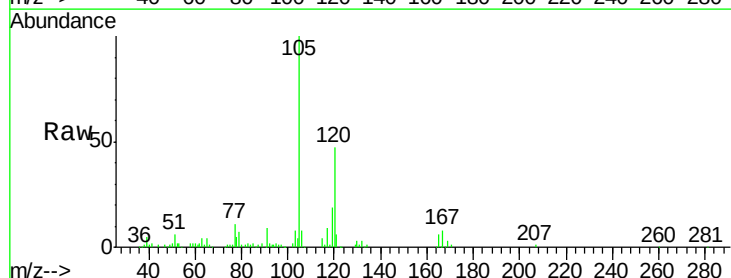
Manual Integrations
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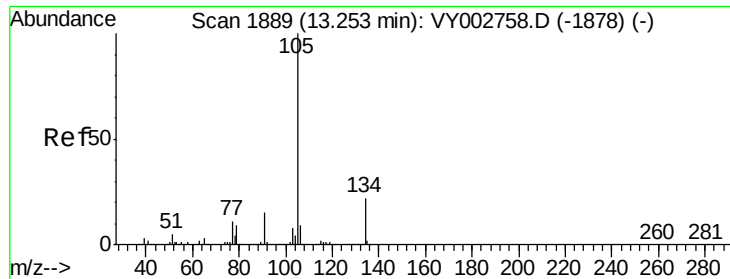
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 5/28/2020 2:08:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.166 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 5.242 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 77534

Ion Ratio Lower Upper

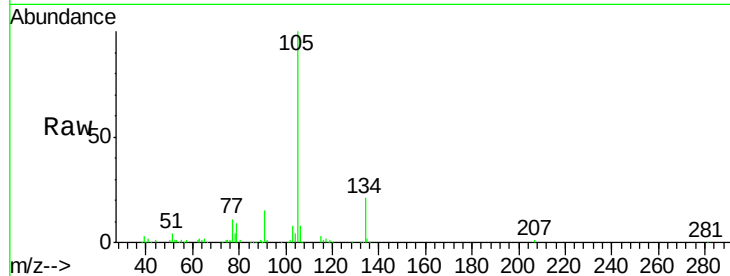
105 100

134 21.0 10.8 32.4

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

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

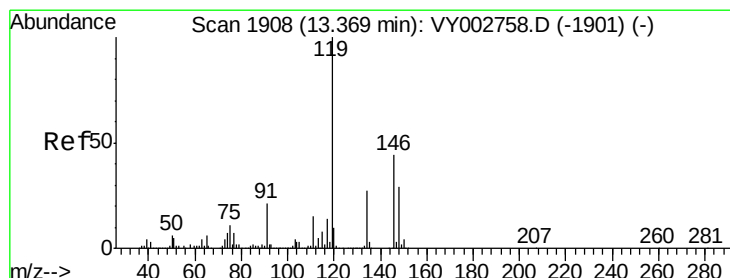
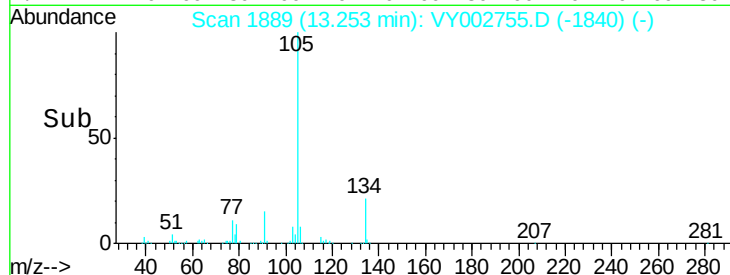
30000

20000

10000

0

Time--> 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 5.078 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

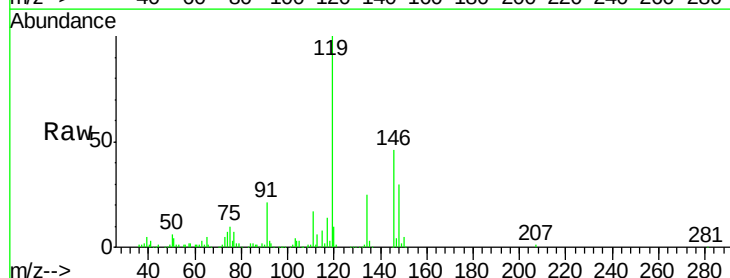
Tgt Ion:119 Resp: 70216

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.0

91 22.4 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

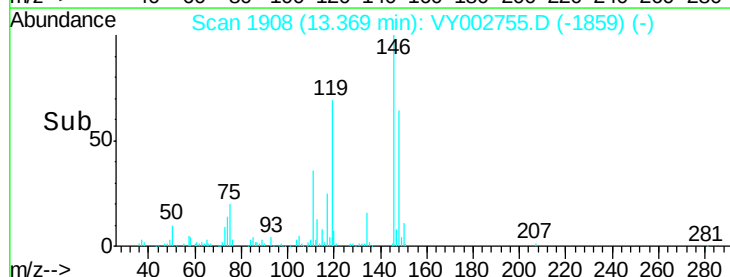
60000

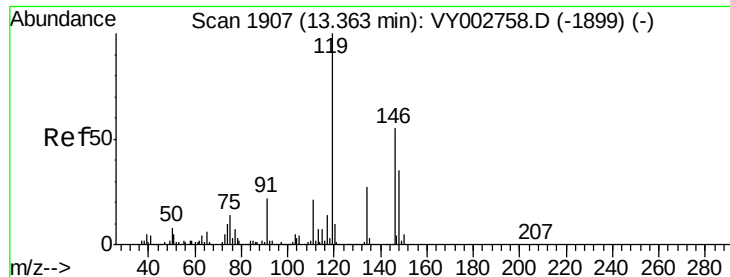
40000

20000

0

Time--> 13.30 13.35 13.40





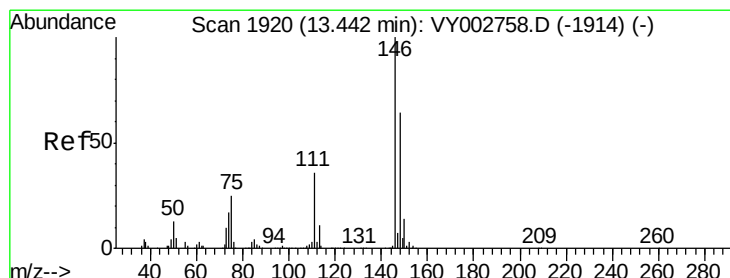
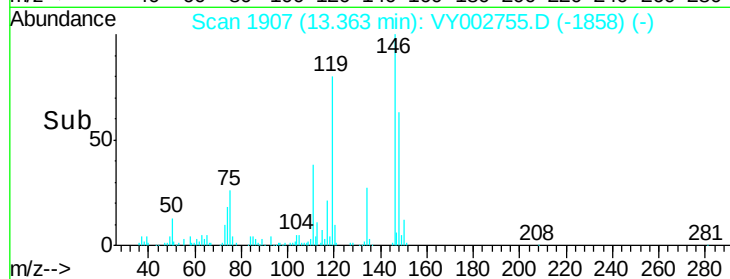
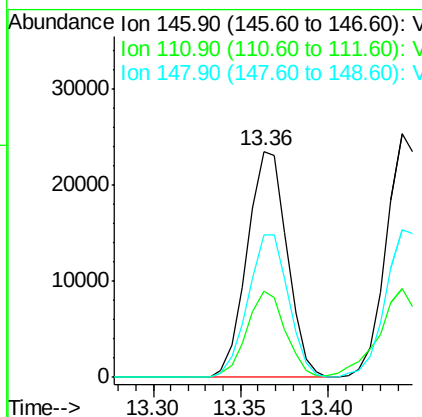
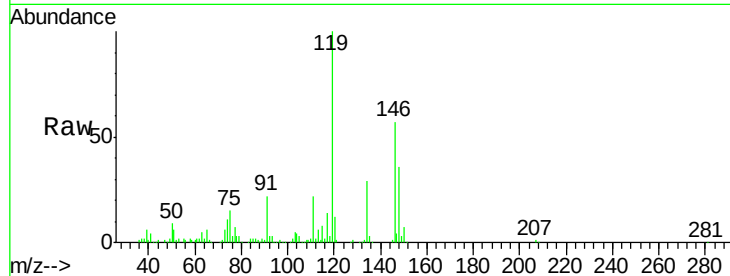
#87
 1,3-Dichlorobenzene
 Concen: 5.366 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	63.6	31.9	95.7

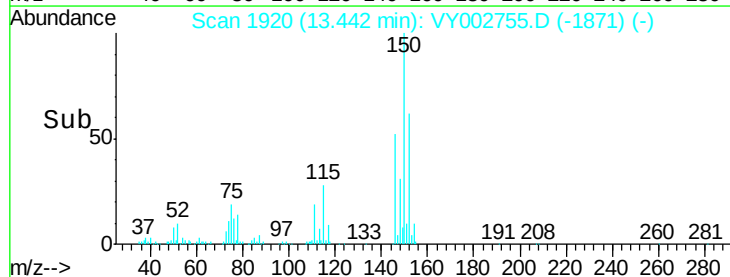
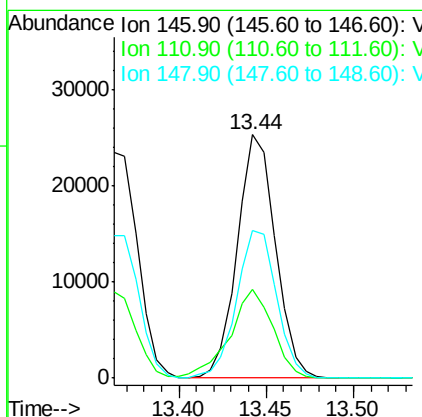
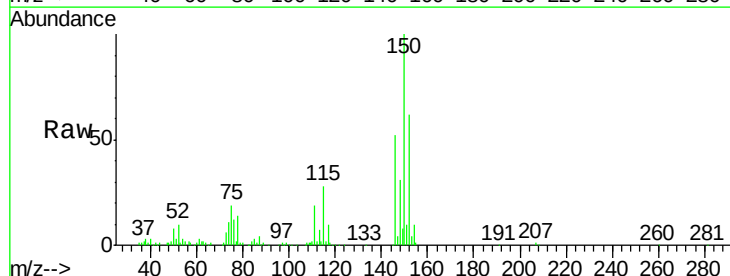
Manual Integrations
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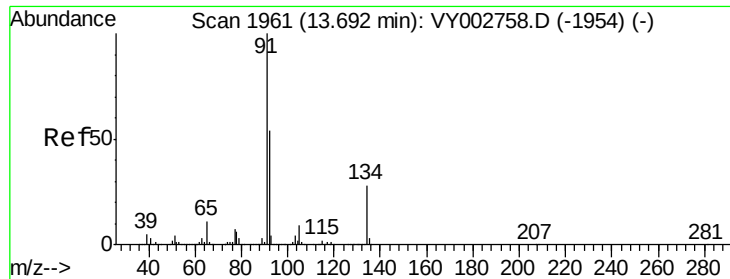
MMDadoda
 5/28/2020 2:08:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.529 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.1	54.3
148	63.8	32.1	96.3





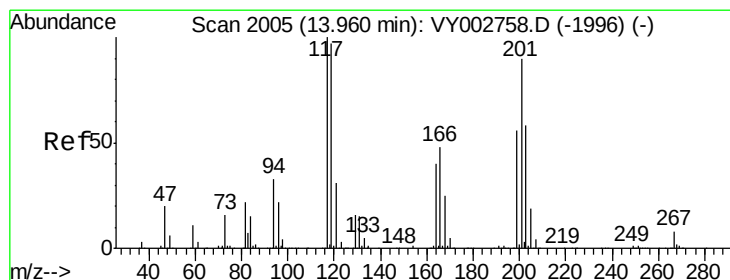
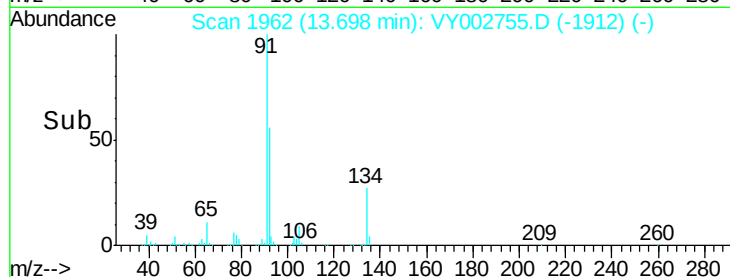
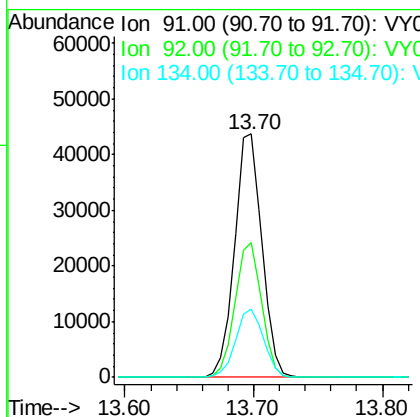
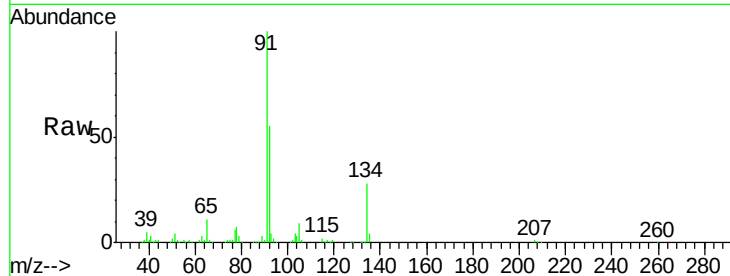
#89
n-Butylbenzene
Concen: 5.076 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	28.6	14.3	42.9

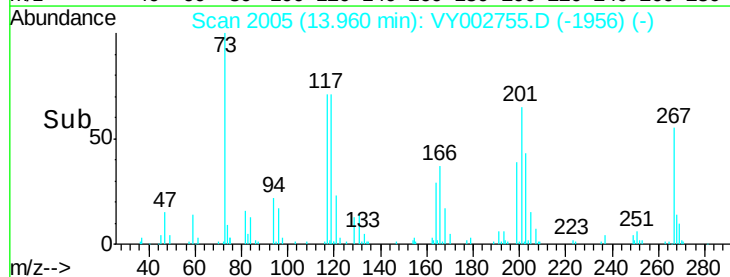
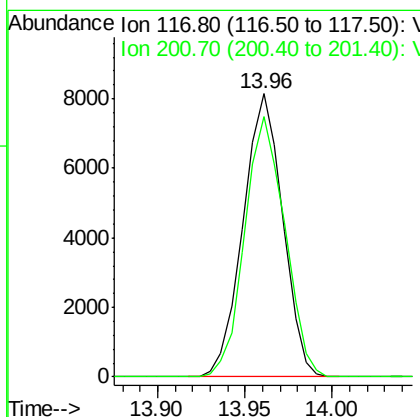
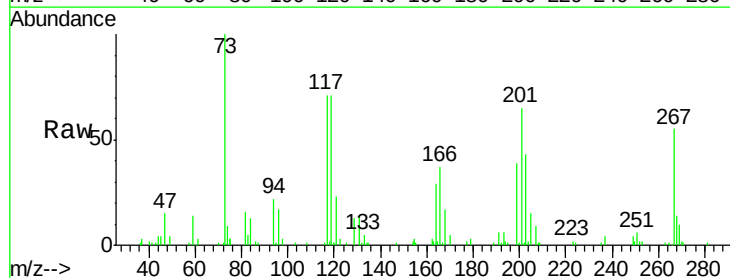
Manual Integrations
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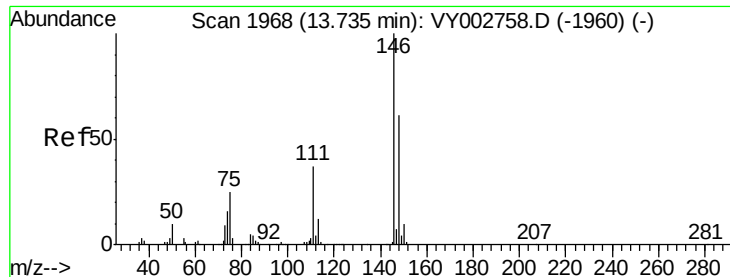
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#90
Hexachloroethane
Concen: 4.990 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	43.9	131.6





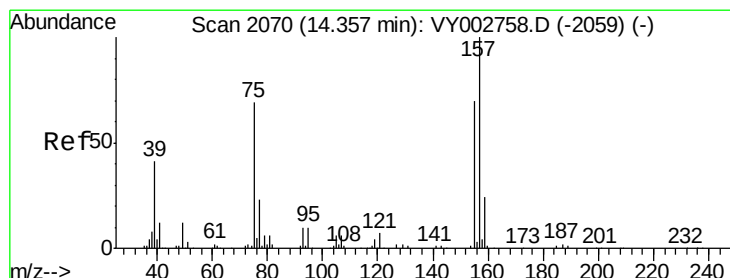
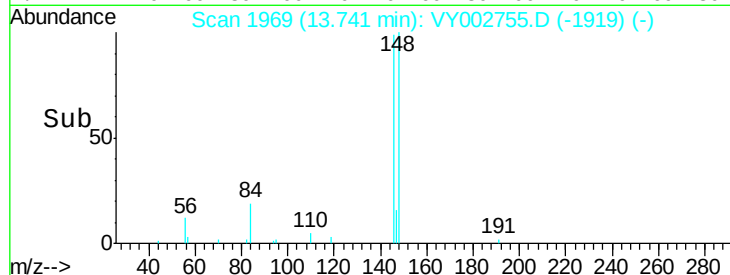
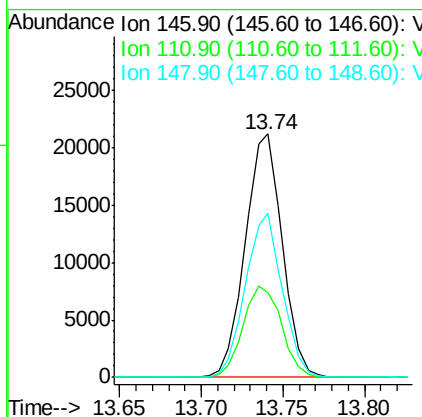
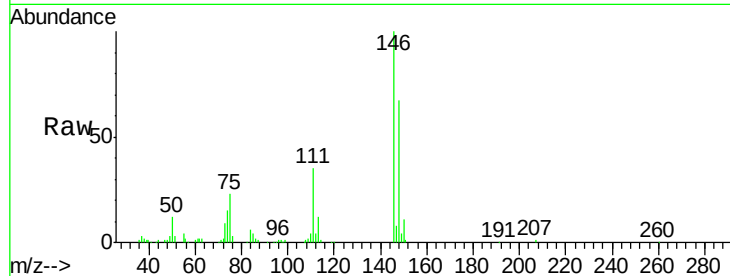
#91
 1,2-Dichlorobenzene
 Concen: 5.323 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	146	Resp:	33456
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.9	56.9
148	66.9	31.9	95.5

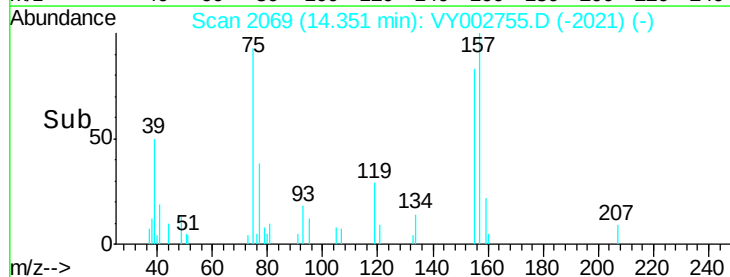
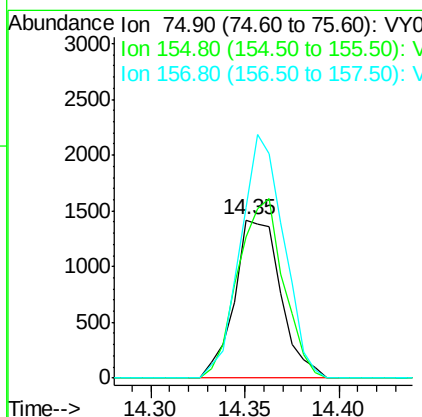
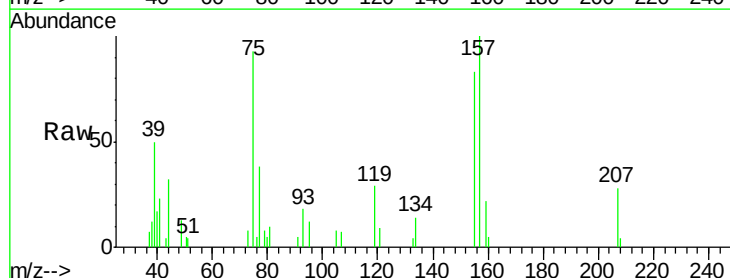
Manual Integrations
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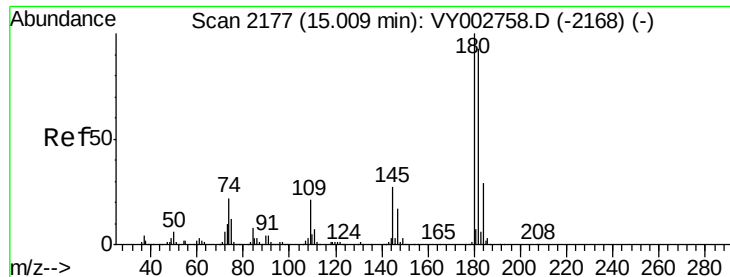
MMDadoda
 5/28/2020 2:08:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.746 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion:	75	Resp:	2414
Ion Ratio	Lower	Upper	
75	100		
155	112.3	53.5	160.5
157	144.2	69.9	209.7





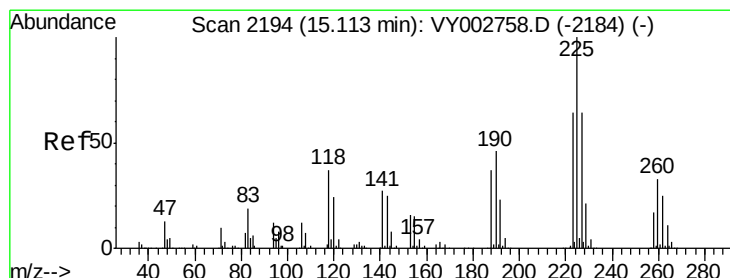
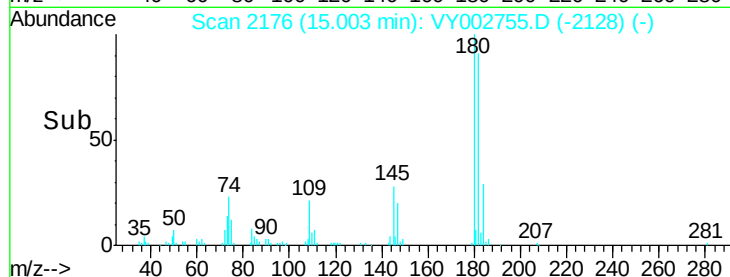
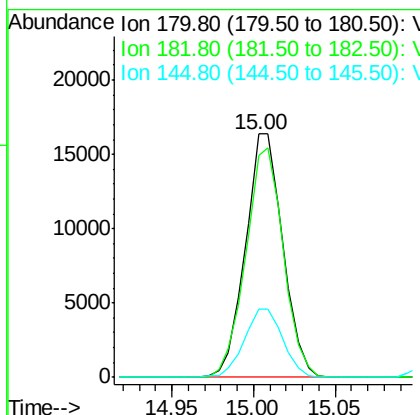
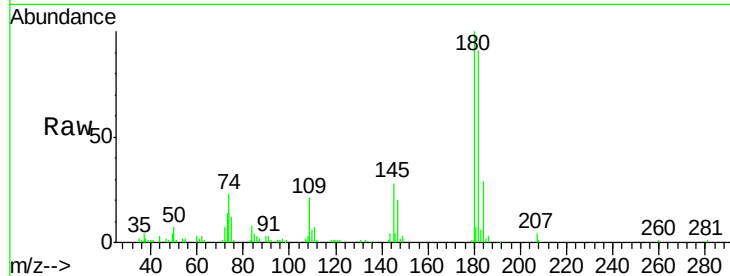
#93
 1,2,4-Trichlorobenzene
 Concen: 5.366 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26108		
182	94.4	47.3	141.9	
145	28.9	14.1	42.3	

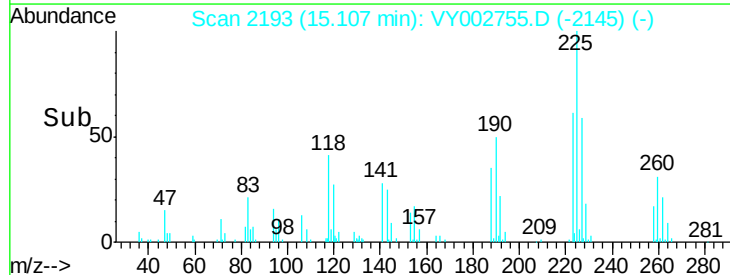
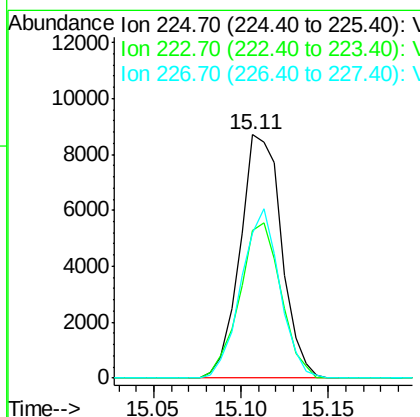
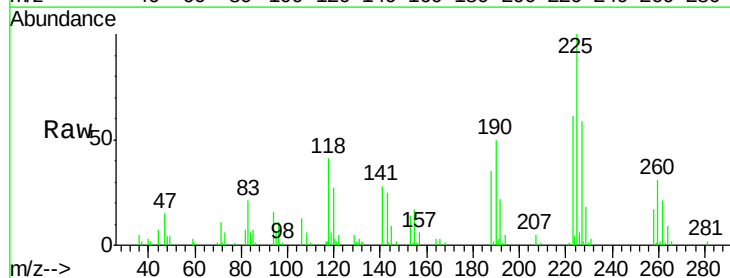
Manual Integrations
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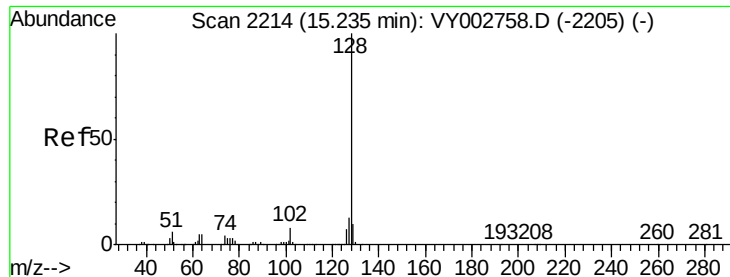
MMDadoda
 5/28/2020 2:08:31 PM



#94
 Hexachlorobutadiene
 Concen: 4.909 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14356		
223	63.6	31.6	95.0	
227	64.6	32.3	96.9	





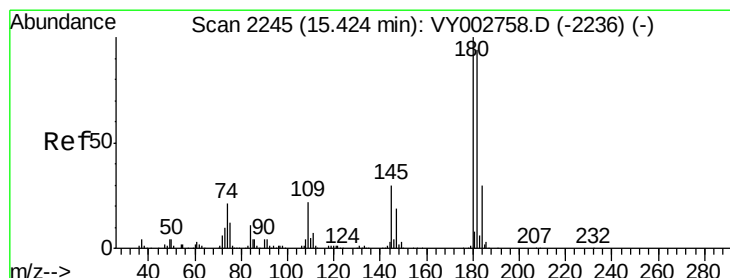
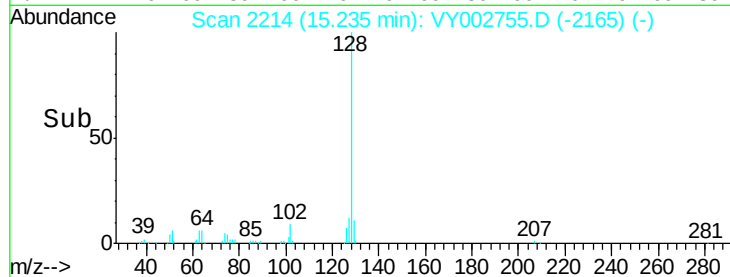
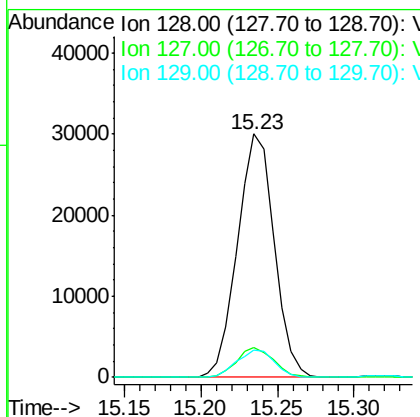
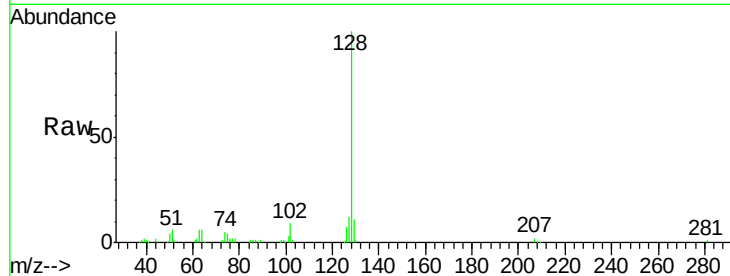
#95
Naphthalene
Concen: 5.677 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:128	Resp:	50049
Ion Ratio	Lower	Upper
128 100		
127 12.3	10.3	15.5
129 11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.417 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:180	Resp:	23008
Ion Ratio	Lower	Upper
180 100		
182 94.8	48.1	144.4
145 30.8	15.1	45.3

