

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002757.D
 Acq On : 27 May 2020 11:50
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:35 PM

Quant Time: May 27 12:53:46 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	299971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	441206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	414930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	49710	20.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.92%	
35) Dibromofluoromethane	7.72	113	50165	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
50) Toluene-d8	10.18	98	203374	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
62) 4-Bromofluorobenzene	12.48	95	70026	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	39327	18.494	ug/l	97
3) Chloromethane	2.12	50	44900	18.581	ug/l	100
4) Vinyl Chloride	2.26	62	46671	18.487	ug/l	98
5) Bromomethane	2.64	94	34479	18.415	ug/l	97
6) Chloroethane	2.79	64	31116	19.256	ug/l	95
7) Trichlorofluoromethane	3.13	101	83764	19.493	ug/l	96
8) Diethyl Ether	3.54	74	32936	22.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	49093	18.814	ug/l	98
10) Methyl Iodide	4.10	142	69070	19.357	ug/l	99
11) Tert butyl alcohol	4.97	59	31616	129.242	ug/l	97
12) 1,1-Dichloroethene	3.88	96	50153	19.220	ug/l	99
13) Acrolein	3.74	56	33151	118.220	ug/l	98
14) Allyl chloride	4.49	41	70635	18.805	ug/l	99
15) Acrylonitrile	5.18	53	75216	111.749	ug/l	99
16) Acetone	3.96	43	56535	112.454	ug/l	98
17) Carbon Disulfide	4.20	76	150959	18.596	ug/l	97
18) Methyl Acetate	4.49	43	32078	23.027	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	139519	21.273	ug/l	100
20) Methylene Chloride	4.73	84	57483	19.727	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	56016	19.300	ug/l	99
22) Diisopropyl ether	6.13	45	151006	20.201	ug/l	96
23) Vinyl Acetate	6.07	43	495824	102.803	ug/l	100
24) 1,1-Dichloroethane	6.03	63	87958	19.729	ug/l	99
25) 2-Butanone	6.99	43	91627	111.688	ug/l	97
26) 2,2-Dichloropropane	6.99	77	82943	19.888	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	63993	20.324	ug/l	98
28) Bromochloromethane	7.34	49	37804	21.205	ug/l	98
29) Tetrahydrofuran	7.35	42	61012	110.452	ug/l	99
30) Chloroform	7.52	83	93590	20.175	ug/l	99
31) Cyclohexane	7.79	56	84712	18.820	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	86421	20.129	ug/l	100
36) 1,1-Dichloropropene	7.93	75	73702	19.825	ug/l	100
37) Ethyl Acetate	7.08	43	39957	21.625	ug/l	99
38) Carbon Tetrachloride	7.91	117	81895	20.464	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	96362	19.387	ug/l	97
40) Benzene	8.16	78	216557	19.963	ug/l	98
41) Methacrylonitrile	7.33	41	23913m	22.173	ug/l	
42) 1,2-Dichloroethane	8.24	62	60691	21.062	ug/l	99
43) Isopropyl Acetate	8.28	43	74895	21.704	ug/l	99
44) Trichloroethene	8.94	130	68149	19.740	ug/l	98
45) 1,2-Dichloropropane	9.22	63	51661	19.973	ug/l	99
46) Dibromomethane	9.31	93	30265	20.741	ug/l	99
47) Bromodichloromethane	9.50	83	72925	20.555	ug/l	99
48) Methyl methacrylate	9.30	41	33756	21.329	ug/l	98
49) 1,4-Dioxane	9.31	88	9377	460.507	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	199954	111.831	ug/l	99
52) Toluene	10.24	92	142526	20.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	79283	20.842	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	91101	20.754	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	47148	21.526	ug/l	96
56) Ethyl methacrylate	10.51	69	63288	21.779	ug/l	99
57) 1,3-Dichloropropane	10.79	76	78527	21.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	158928	111.369	ug/l	99
59) 2-Hexanone	10.83	43	142550	113.810	ug/l	100
60) Dibromochloromethane	10.99	129	60268	21.648	ug/l	100
61) 1,2-Dibromoethane	11.09	107	47275	21.948	ug/l	97
64) Tetrachloroethene	10.72	164	74559	19.155	ug/l	99
65) Chlorobenzene	11.52	112	160149	19.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	59796	20.029	ug/l	99
67) Ethyl Benzene	11.59	91	277760	19.789	ug/l	99
68) m/p-Xylenes	11.70	106	217113	39.749	ug/l	99
69) o-Xylene	12.03	106	102806	20.022	ug/l	100
70) Styrene	12.04	104	178901	20.264	ug/l	100
71) Bromoform	12.20	173	40540	21.773	ug/l #	98
73) Isopropylbenzene	12.33	105	280530	19.146	ug/l	100
74) N-amyl acetate	12.14	43	72267	20.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	49773	22.375	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39899m	21.362	ug/l	
77) Bromobenzene	12.61	156	72600	19.702	ug/l	99
78) n-propylbenzene	12.67	91	321806	18.881	ug/l	99
79) 2-Chlorotoluene	12.75	91	182040	19.234	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	234953	19.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20712	20.793	ug/l	99
82) 4-Chlorotoluene	12.85	91	189680	19.074	ug/l	99
83) tert-Butylbenzene	13.08	119	209995	19.219	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	237186	19.243	ug/l	99
85) sec-Butylbenzene	13.25	105	286590	19.055	ug/l	100
86) p-Isopropyltoluene	13.37	119	269932	19.198	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	139074	19.571	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	139548	19.726	ug/l	99
89) n-Butylbenzene	13.70	91	245949	19.045	ug/l	99
90) Hexachloroethane	13.96	117	49902	19.112	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	127487	19.947	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9510	22.261	ug/l	99

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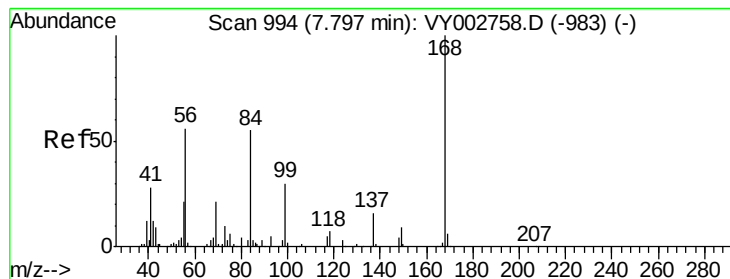
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	96308	19.467	ug/l	100
94) Hexachlorobutadiene	15.11	225	56186	18.896	ug/l	98
95) Naphthalene	15.23	128	191365	21.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	84897	19.657	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: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 299971

Ion Ratio Lower Upper

168 100

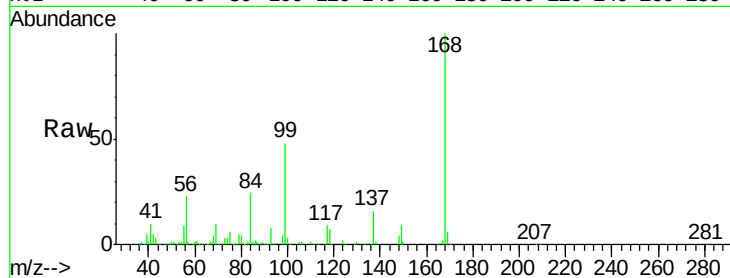
99 48.0 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002757.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002757.D (-945) (-)

7.80

150000

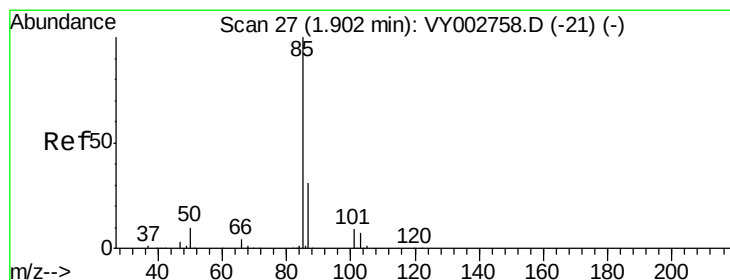
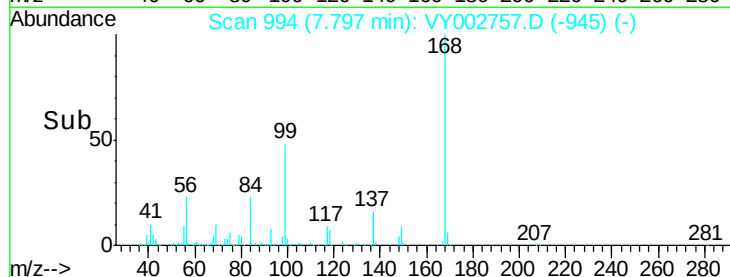
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.494 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002757.D

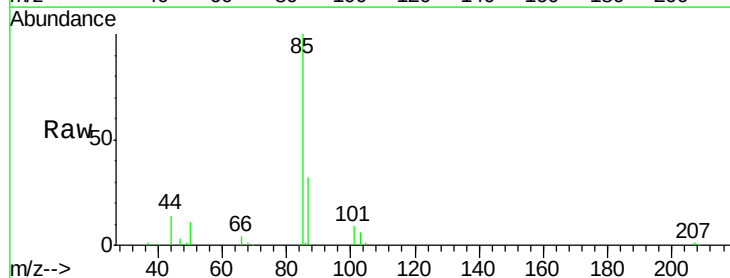
Acq: 27 May 2020 11:50

Tgt Ion: 85 Resp: 39327

Ion Ratio Lower Upper

85 100

87 32.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002757.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002757.D (-1) (-)

1.90

30000

25000

20000

15000

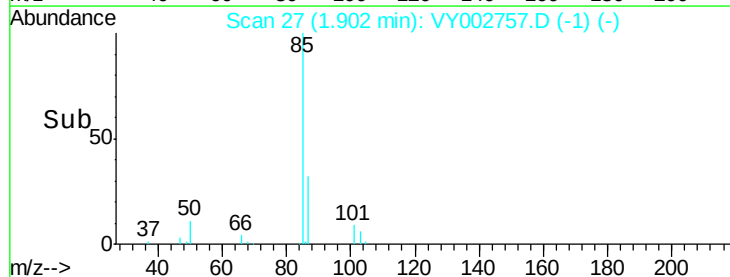
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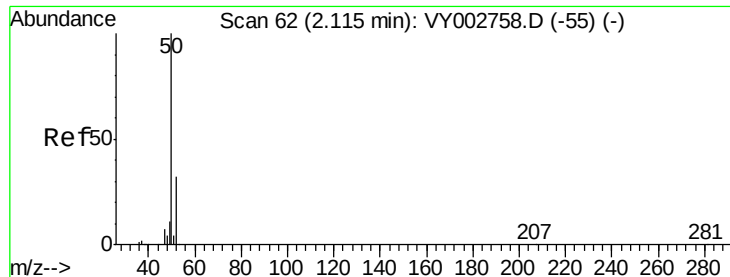
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 18.581 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44900

Ion Ratio Lower Upper

50 100

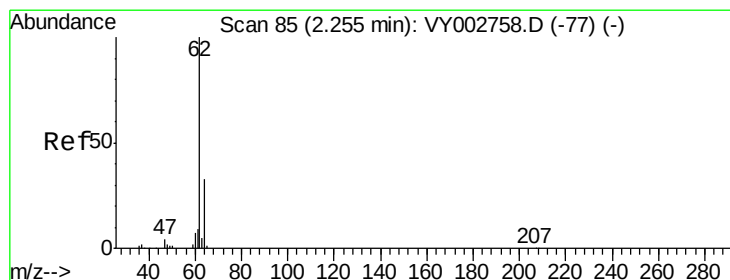
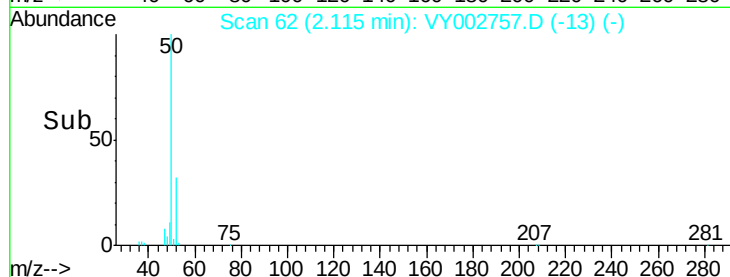
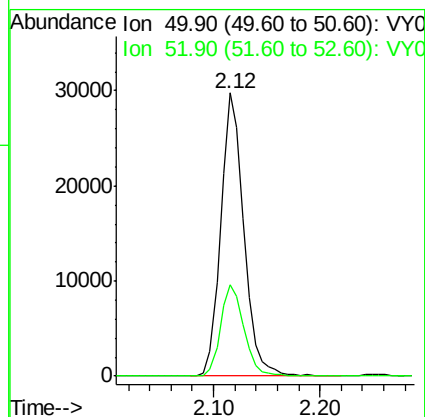
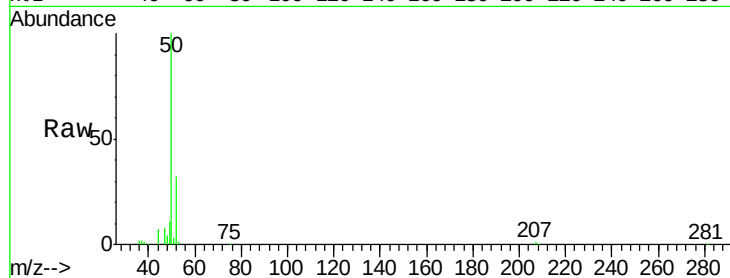
52 32.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.487 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002757.D

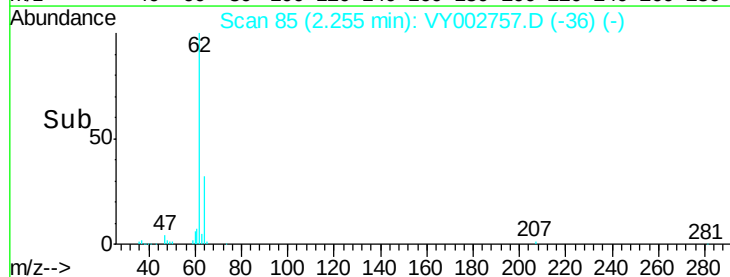
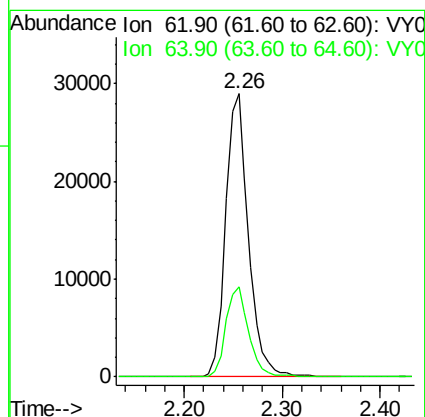
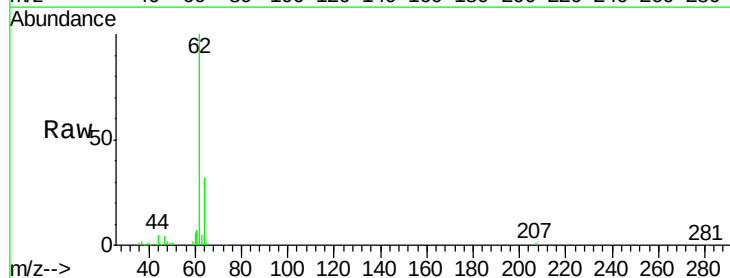
Acq: 27 May 2020 11:50

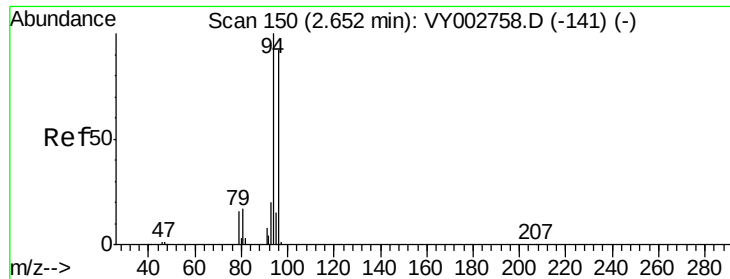
Tgt Ion: 62 Resp: 46671

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1





#5

Bromomethane

Concen: 18.415 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 34479

Ion Ratio Lower Upper

94 100

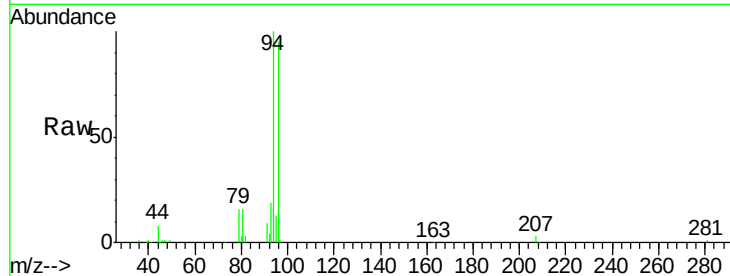
96 95.3 73.7 110.5

Manual Integrations

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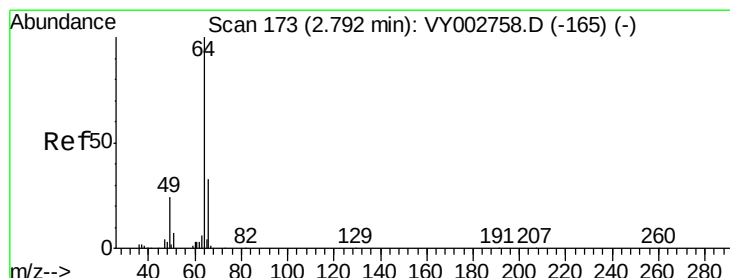
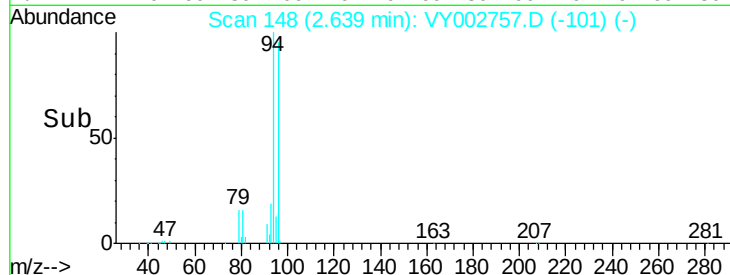
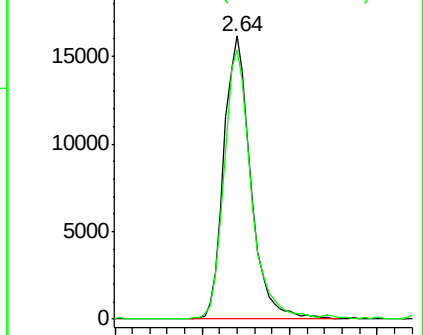
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.256 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY002757.D

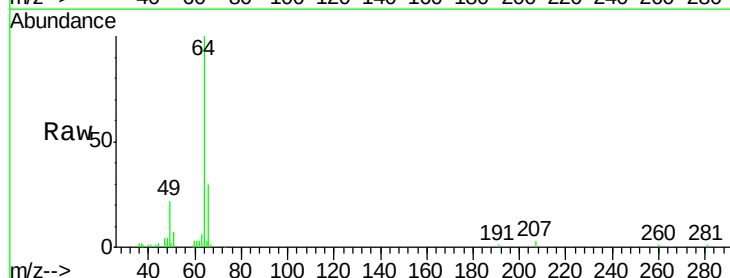
Acq: 27 May 2020 11:50

Tgt Ion: 64 Resp: 31116

Ion Ratio Lower Upper

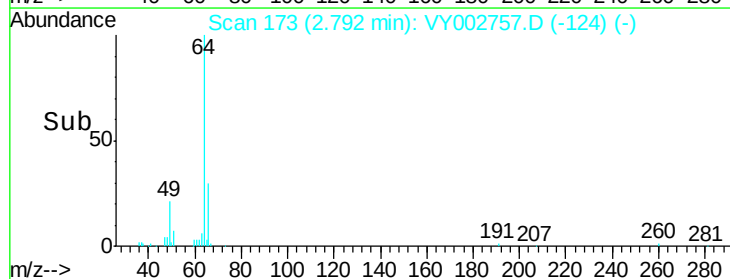
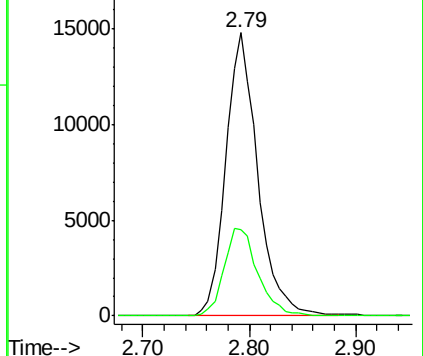
64 100

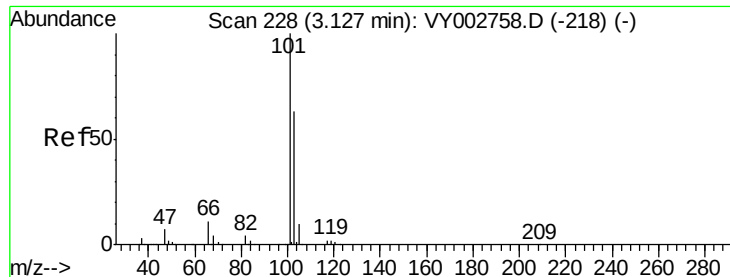
66 30.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

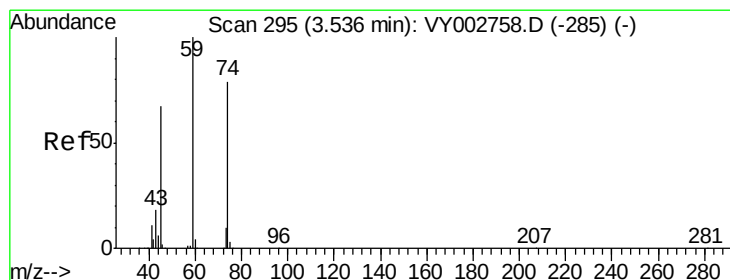
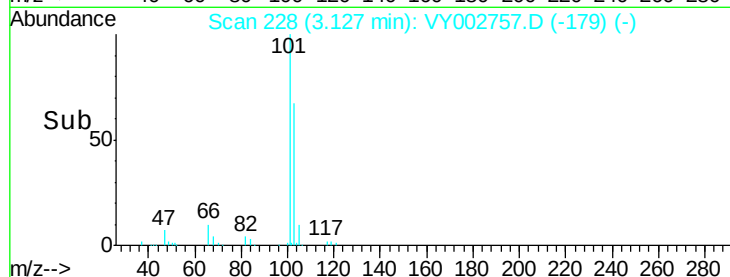
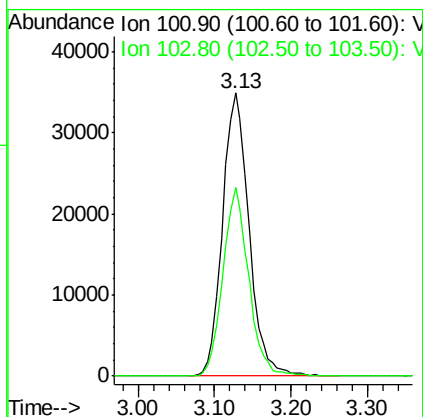
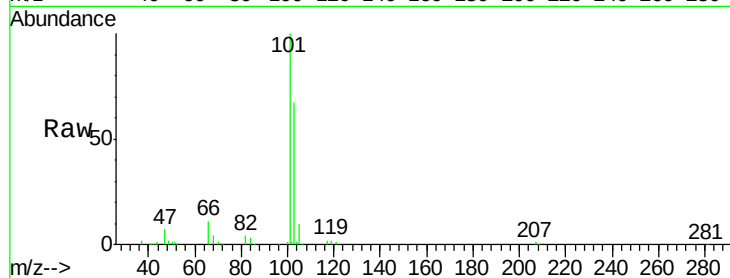
Trichlorofluoromethane
Concen: 19.493 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY002757.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.6	76.0

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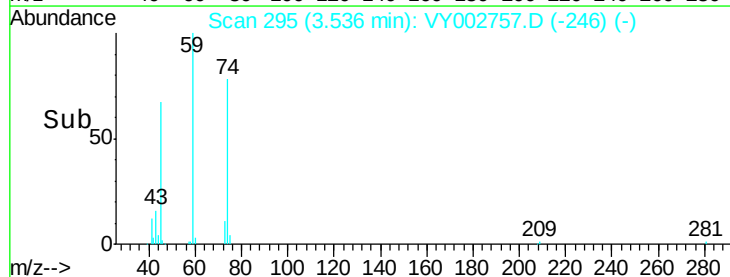
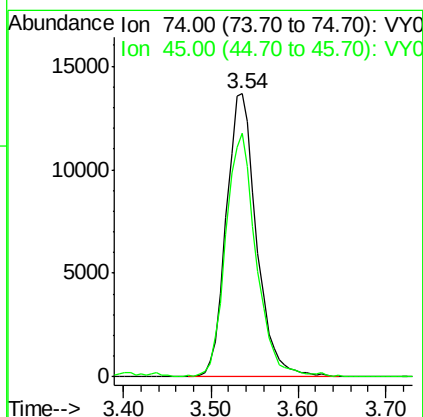
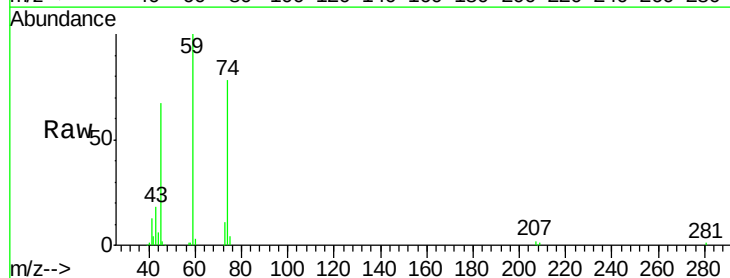
MMDadoda
5/28/2020 2:08:35 PM

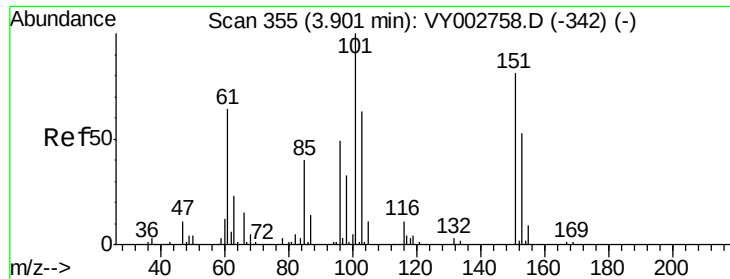


#8

Diethyl Ether
Concen: 22.313 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.814 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY002757.D

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MSVOA_Y

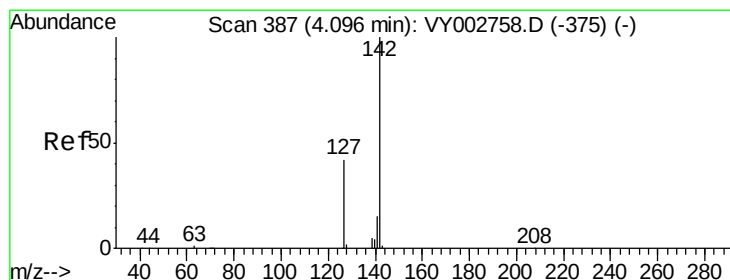
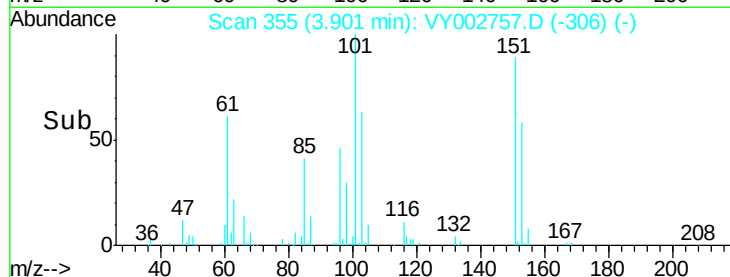
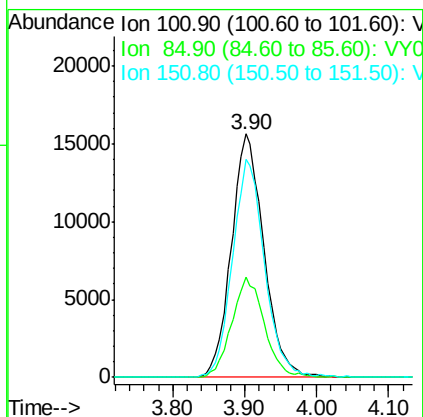
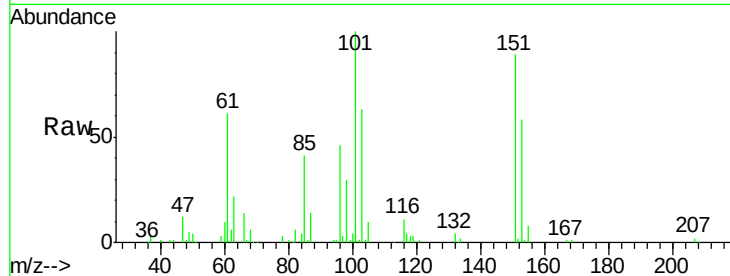
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	49093
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.7	49.1
151	88.1	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.357 ug/l

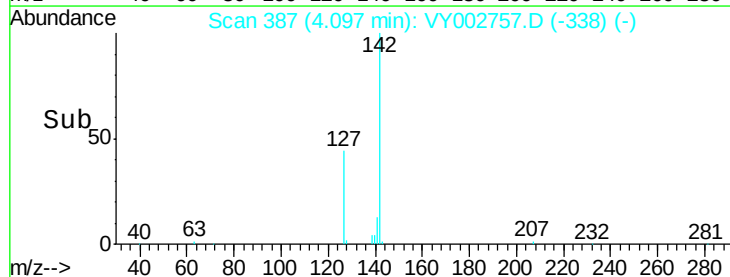
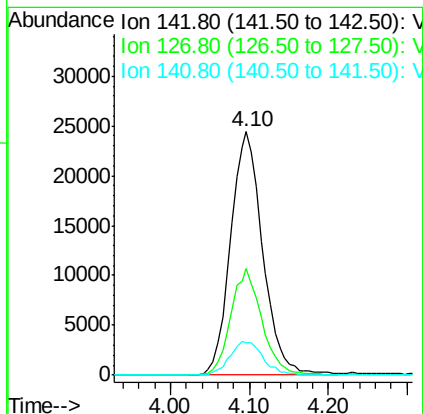
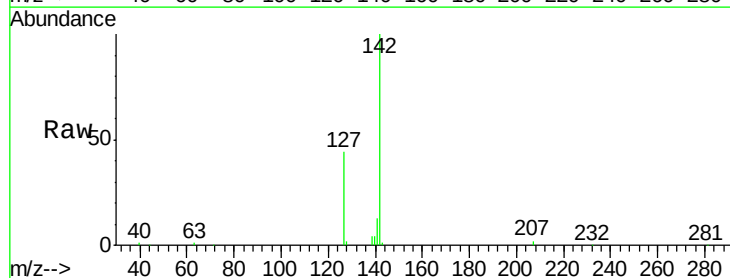
RT: 4.10 min Scan# 387

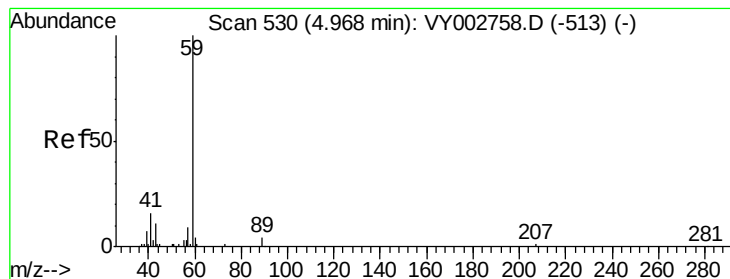
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	142	Resp:	69070
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.3	49.9
141	14.2	11.5	17.3





#11

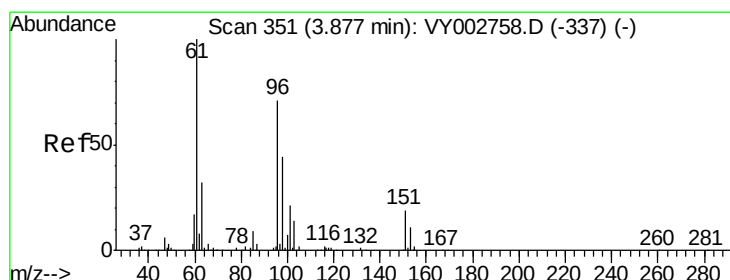
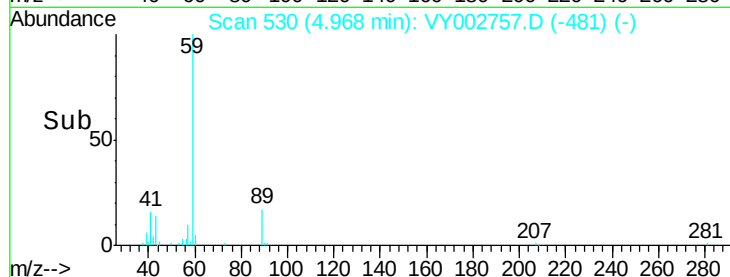
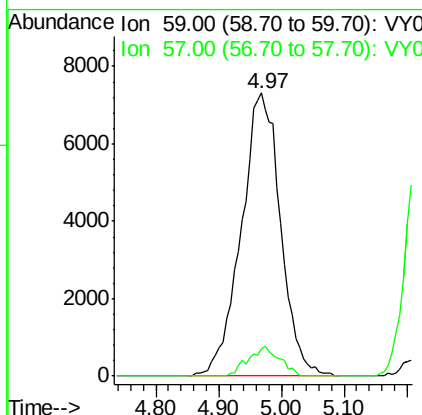
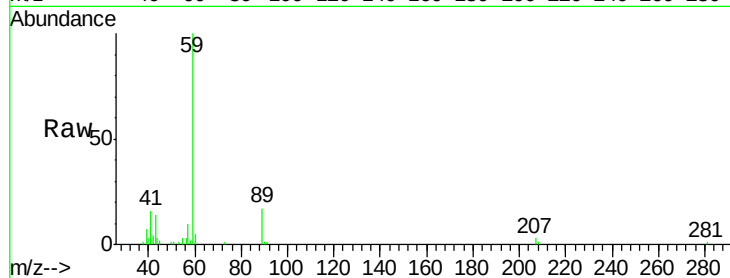
Tert butyl alcohol
 Concen: 129.242 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	7.7	11.5

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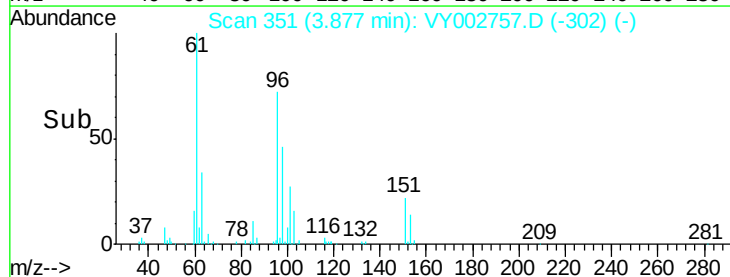
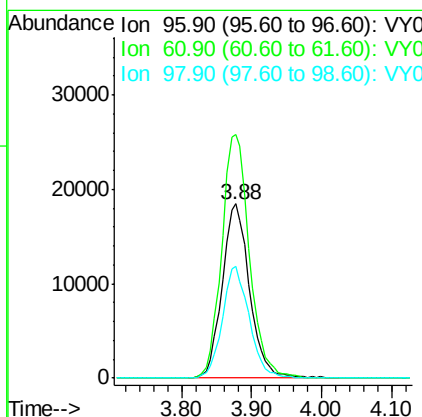
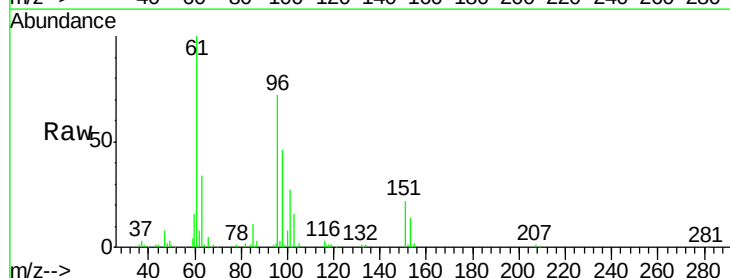
MMDadoda
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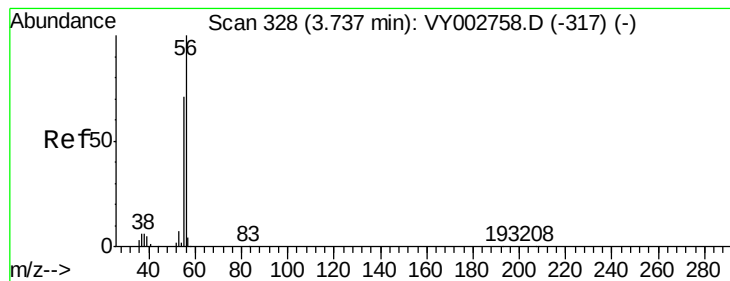


#12

1,1-Dichloroethene
 Concen: 19.220 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	112.6	168.8
98	63.8	50.0	75.0





#13

Acrolein

Concen: 118.220 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tot Ion: 56 Resp: 33151

Ion Ratio Lower Upper

56 100

55 68.2 56.0 84.0

Instrument :

MSVOA_Y

ClientSampleId :

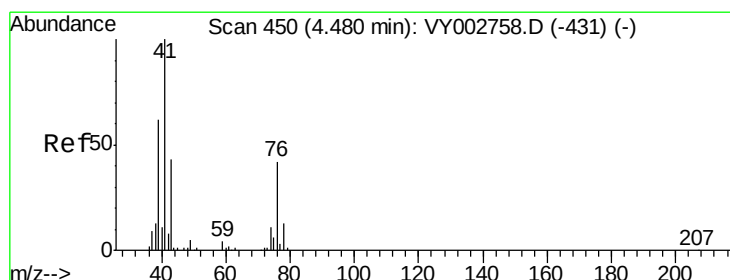
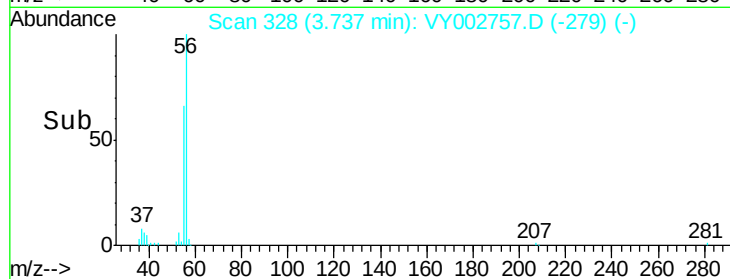
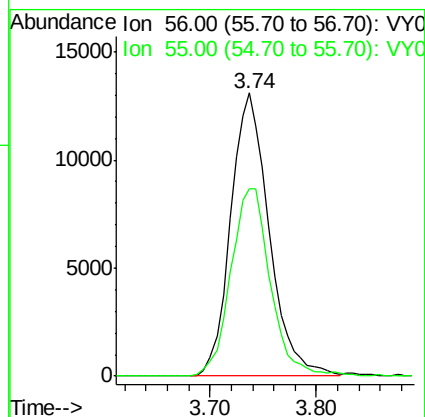
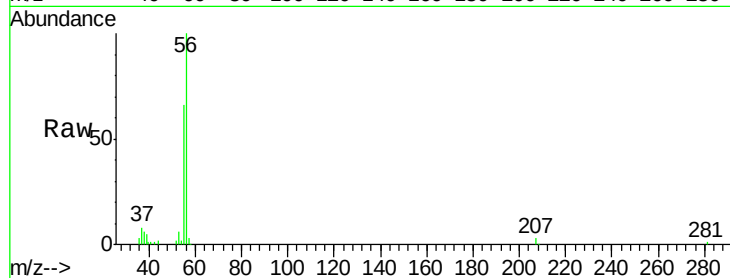
VSTDIC020

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#14

Allyl chloride

Concen: 18.805 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

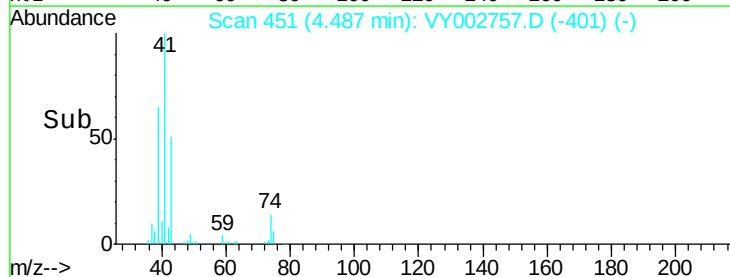
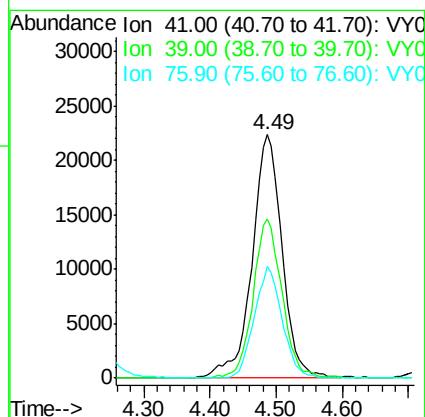
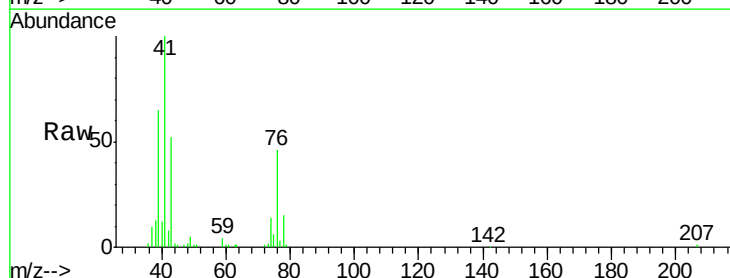
Tgt Ion: 41 Resp: 70635

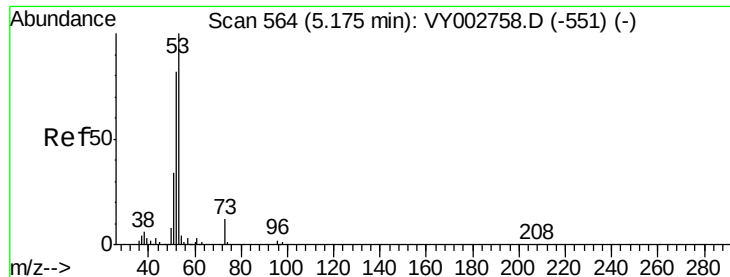
Ion Ratio Lower Upper

41 100

39 63.1 49.9 74.9

76 42.5 33.2 49.8





#15

Acrylonitrile

Concen: 111.749 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

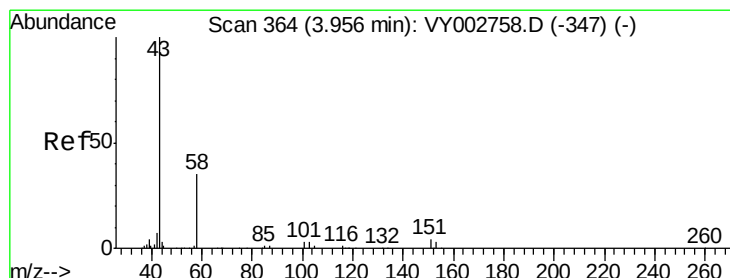
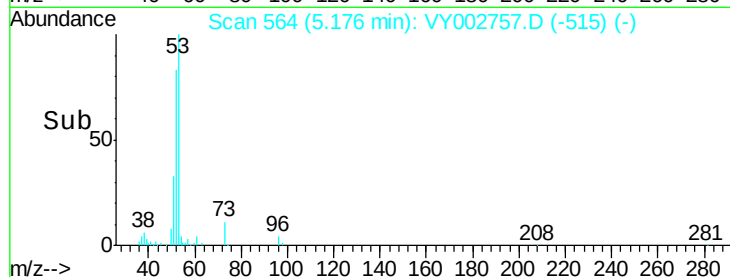
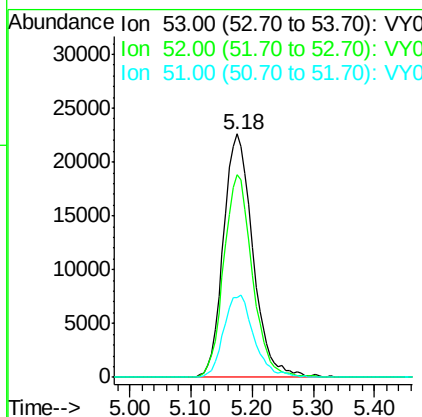
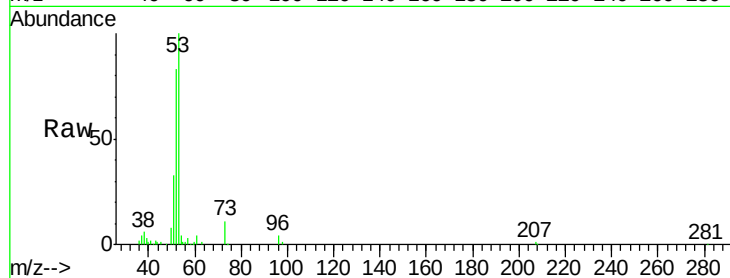
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	75216
Ion Ratio	Lower	Upper	
53	100		
52	80.4	65.3	97.9
51	34.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 112.454 ug/l

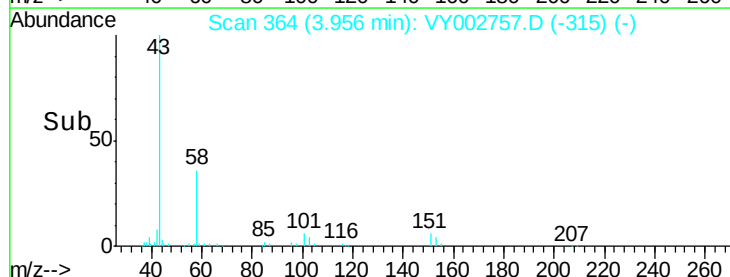
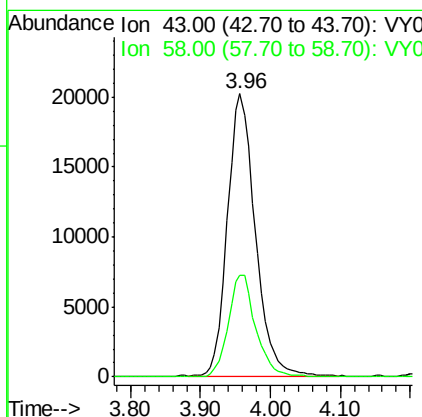
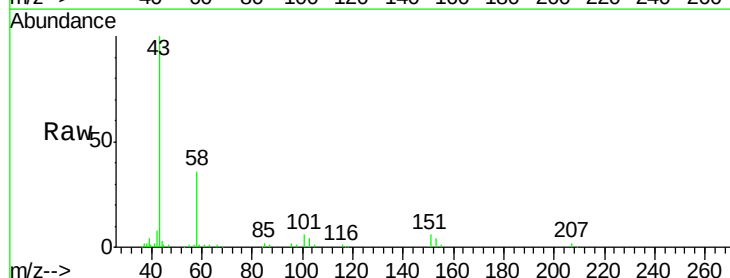
RT: 3.96 min Scan# 364

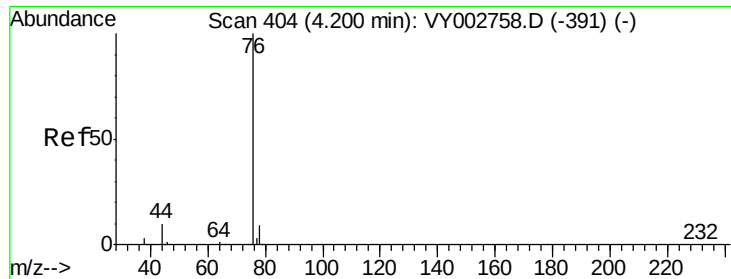
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	43	Resp:	56535
Ion Ratio	Lower	Upper	
43	100		
58	35.7	27.7	41.5





#17

Carbon Disulfide

Concen: 18.596 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 150959

Ion Ratio Lower Upper

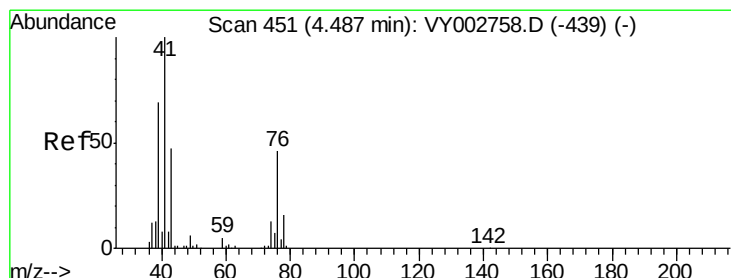
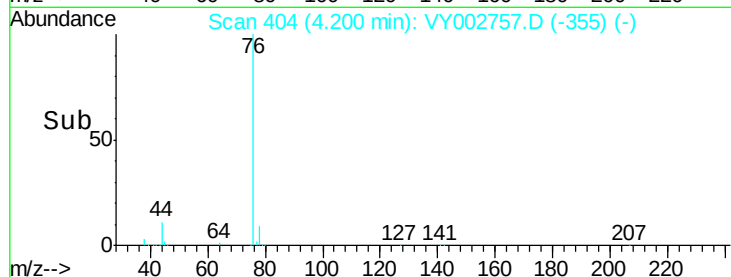
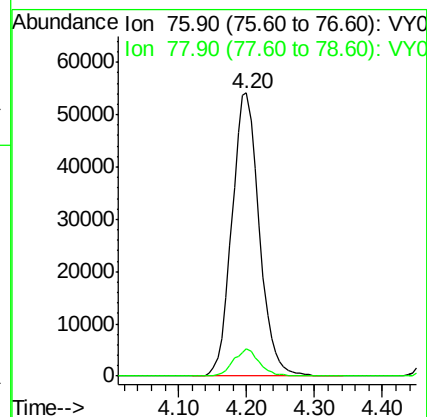
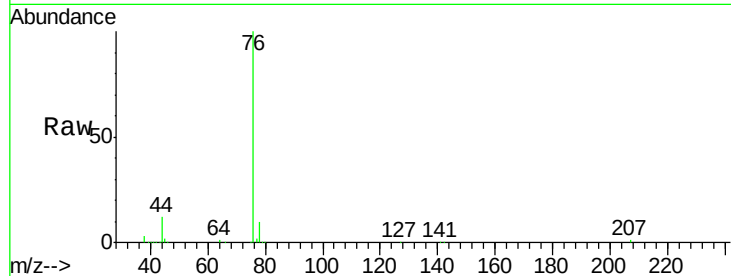
76 100

78 9.7 6.9 10.3

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#18

Methyl Acetate

Concen: 23.027 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002757.D

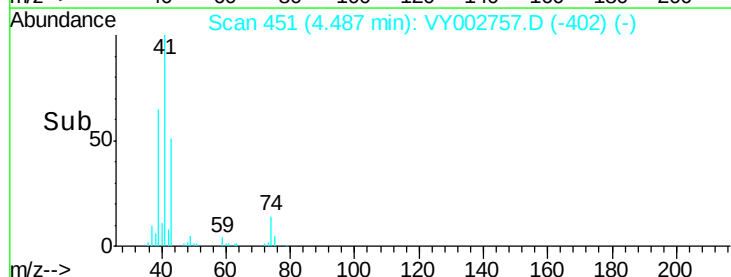
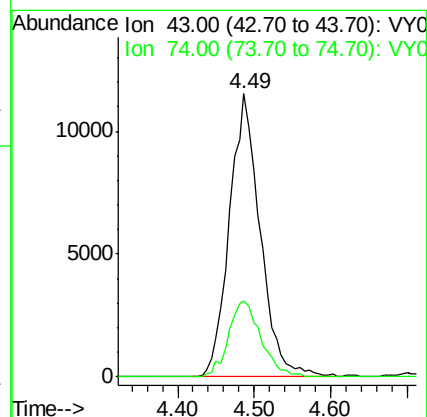
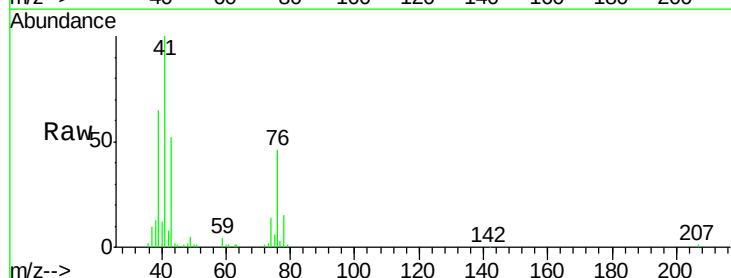
Acq: 27 May 2020 11:50

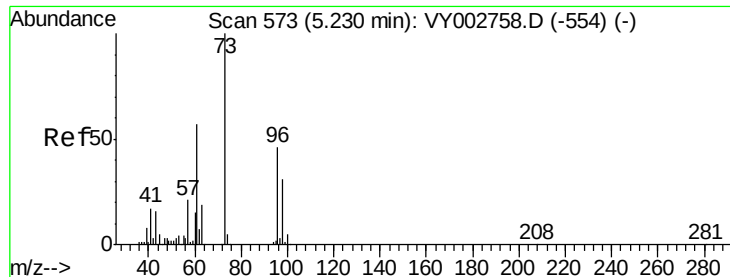
Tgt Ion: 43 Resp: 32078

Ion Ratio Lower Upper

43 100

74 28.3 21.4 32.0





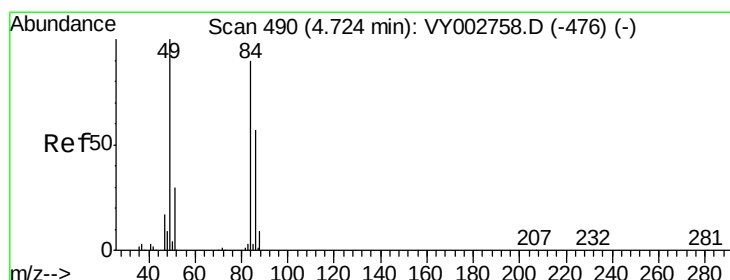
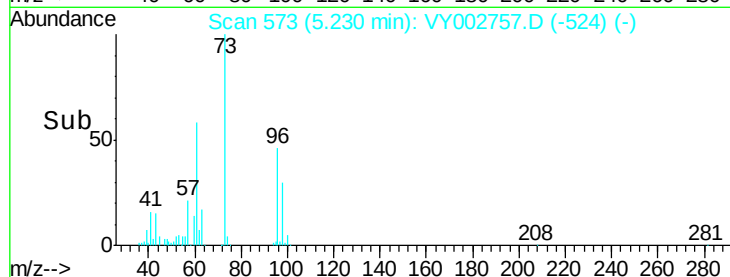
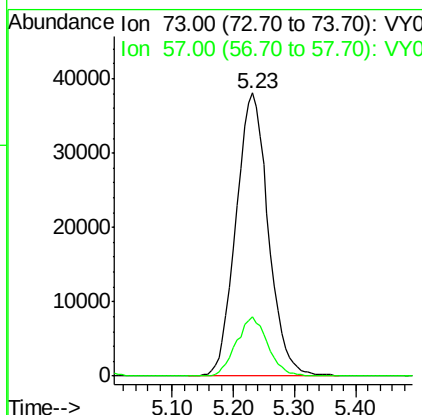
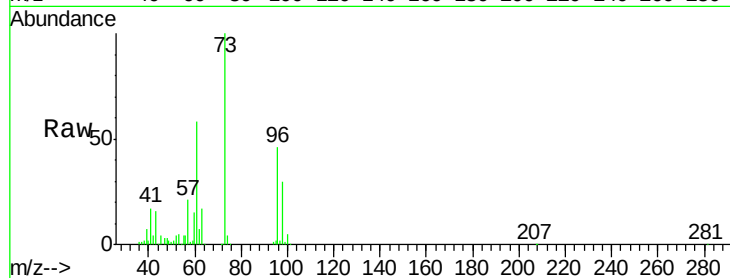
#19
Methyl tert-butyl Ether
Concen: 21.273 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.4

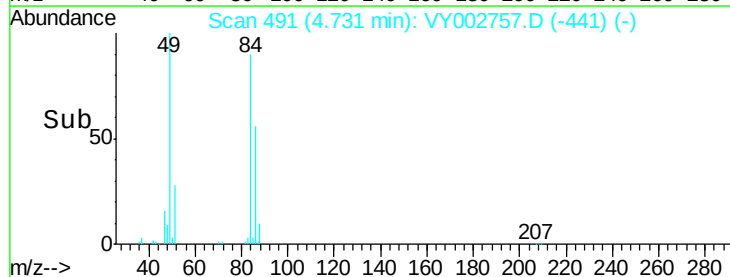
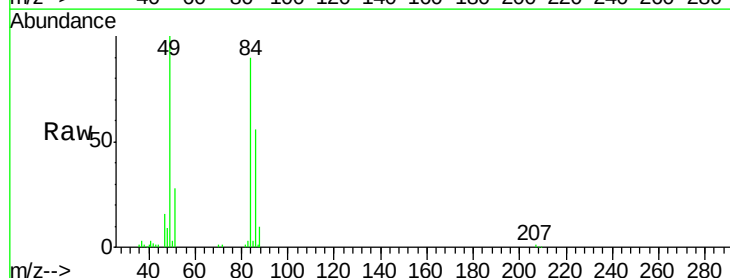
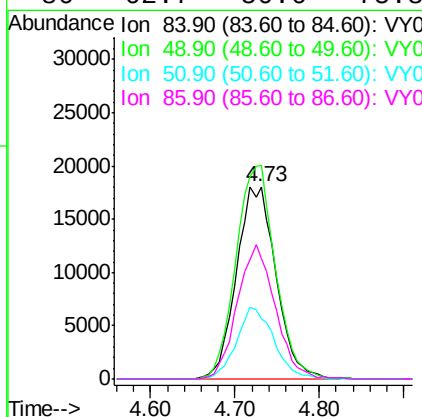
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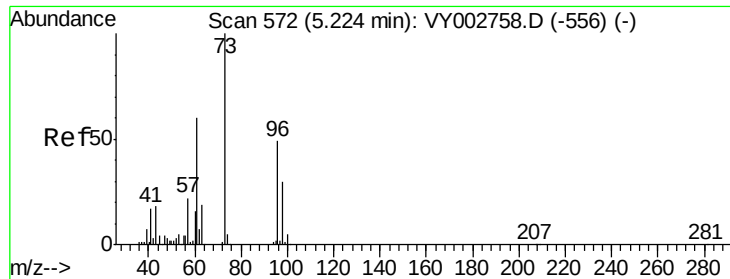
MMDadoda
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#20
Methylene Chloride
Concen: 19.727 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.0	88.5	132.7
51	31.2	26.8	40.2
86	62.7	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 19.300 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

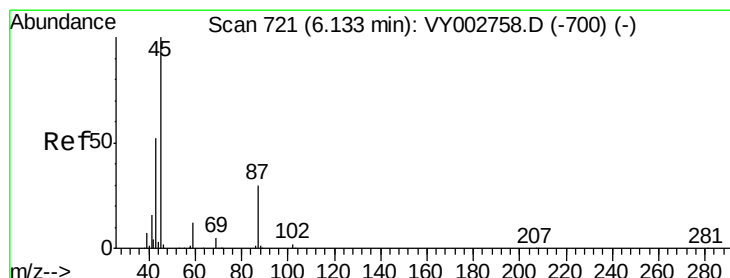
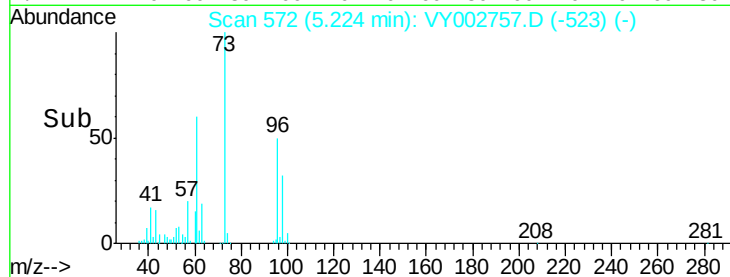
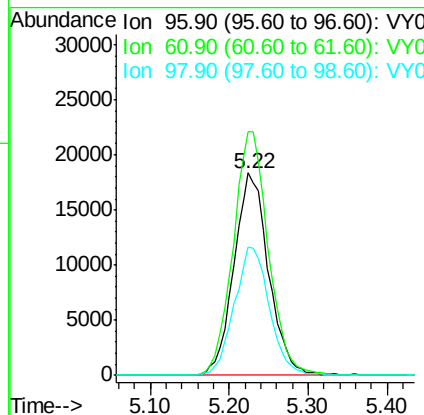
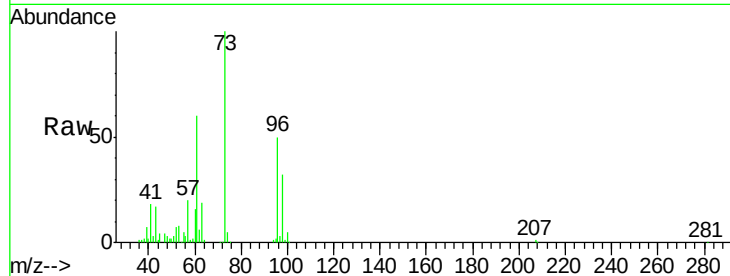
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	56016
Ion	Ratio	Lower	Upper
96	100		
61	120.3	96.8	145.2
98	63.2	49.4	74.0

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#22

Diisopropyl ether

Concen: 20.201 ug/l

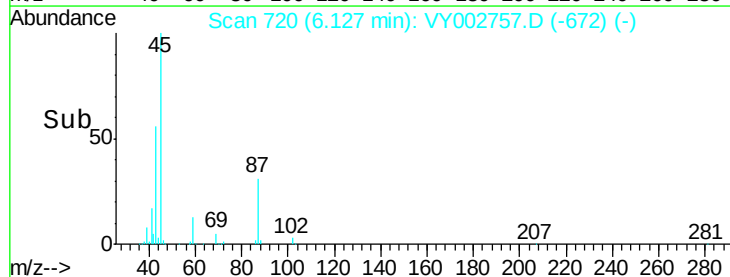
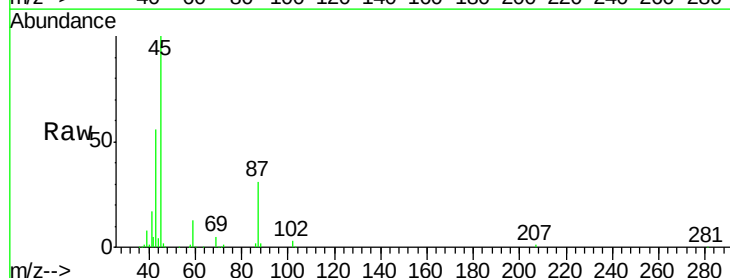
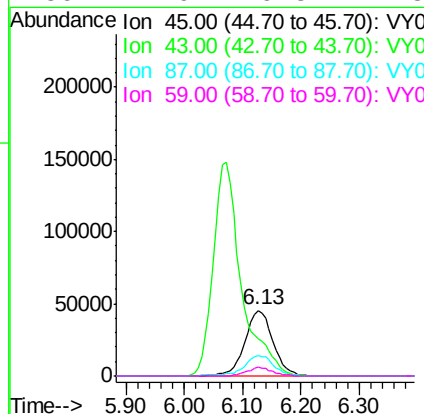
RT: 6.13 min Scan# 720

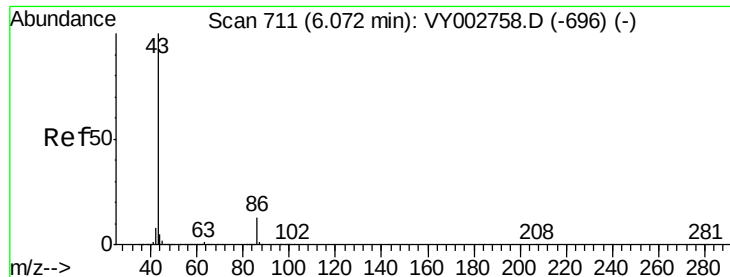
Delta R.T. -0.01 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	45	Resp:	151006
Ion	Ratio	Lower	Upper
45	100		
43	55.9	41.7	62.5
87	31.4	24.2	36.2
59	12.9	9.8	14.8





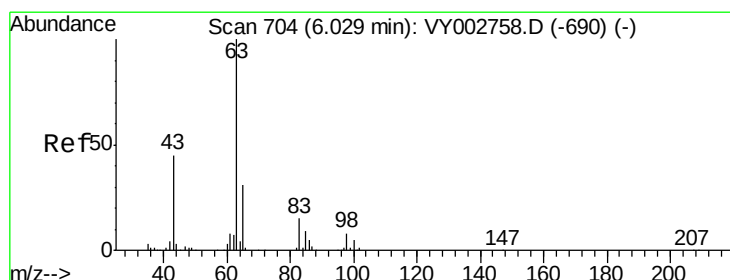
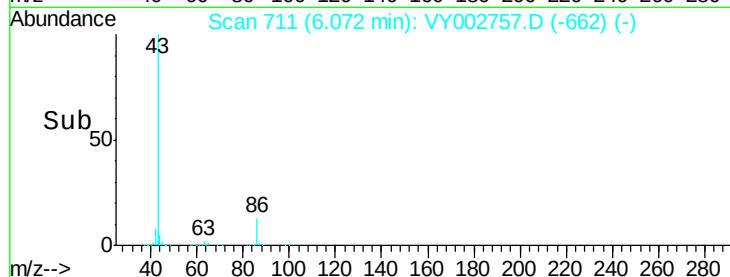
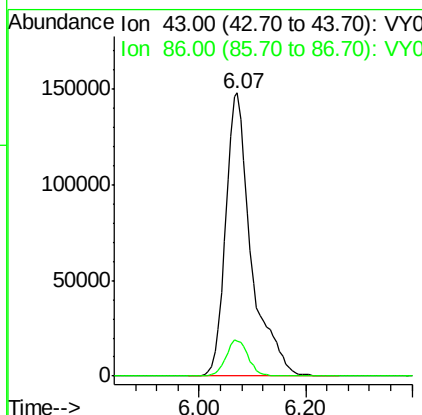
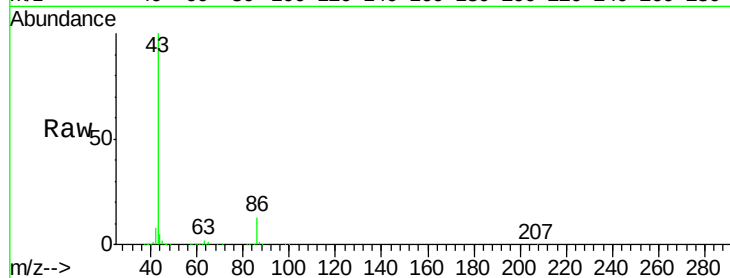
#23
 Vinyl Acetate
 Concen: 102.803 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	495824
Ion	Ratio	Lower	Upper
43	100		
86	12.6	10.2	15.2

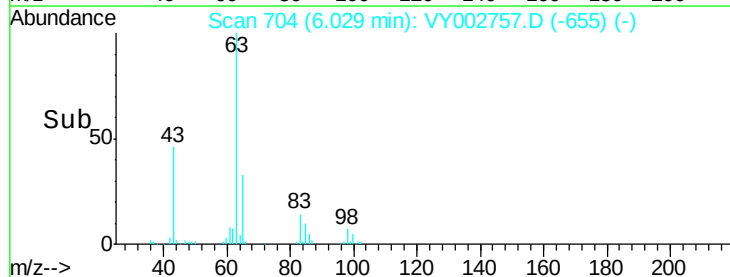
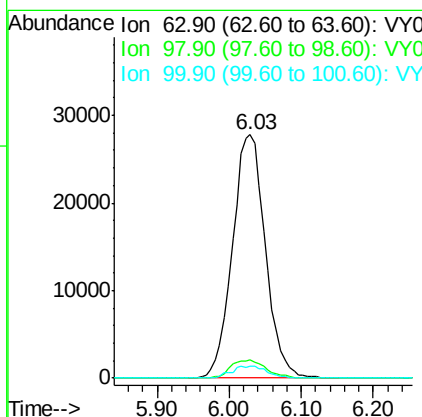
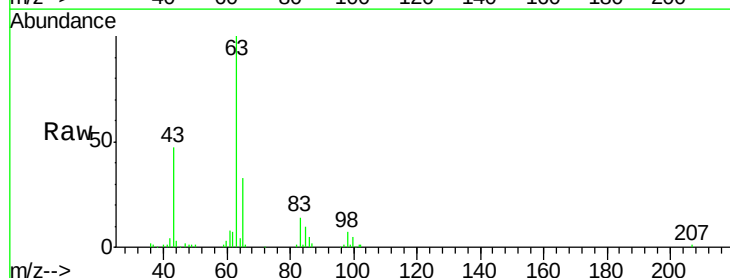
Manual Integrations
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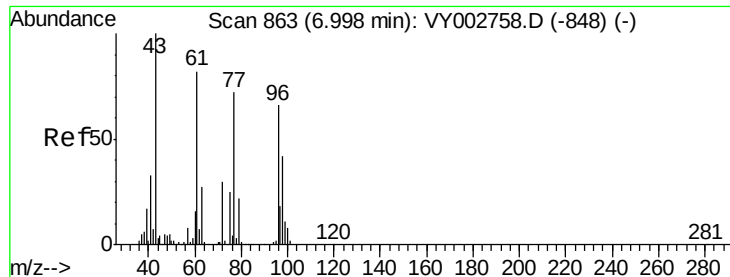
MMDadoda
 5/28/2020 2:08:35 PM



#24
 1,1-Dichloroethane
 Concen: 19.729 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	63	Resp	87958
Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	12.2
100	5.0	2.4	7.1





#25

2-Butanone

Concen: 111.688 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 91627

Ion Ratio Lower Upper

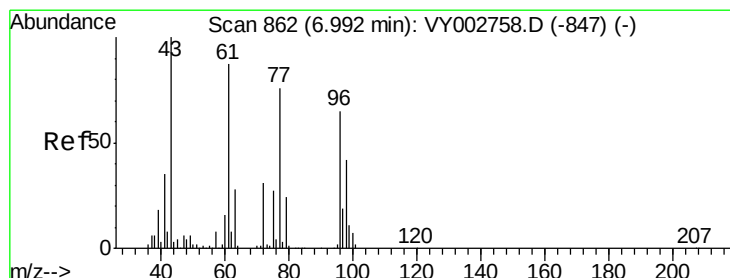
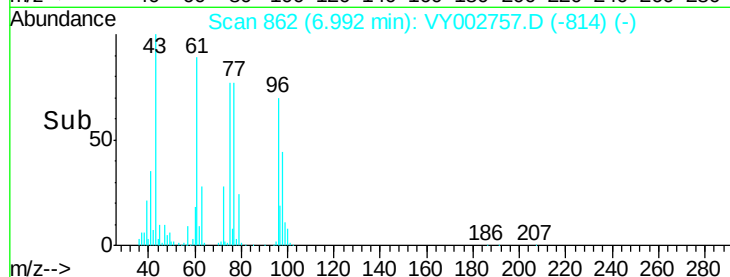
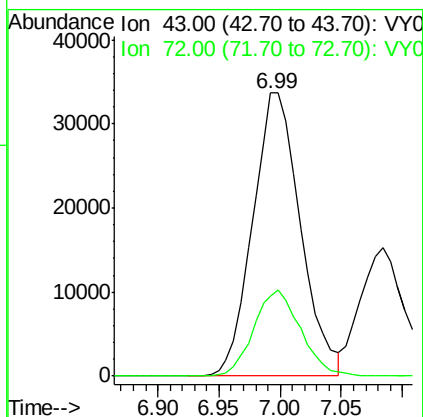
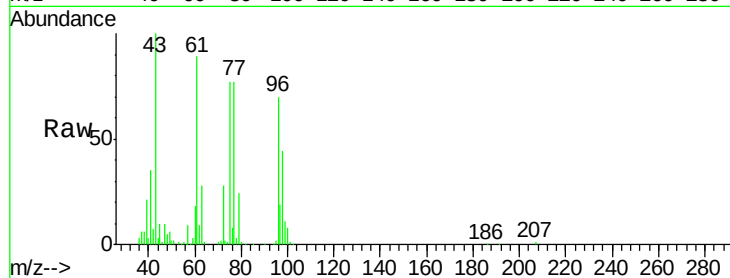
43 100

72 28.1 23.9 35.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.888 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002757.D

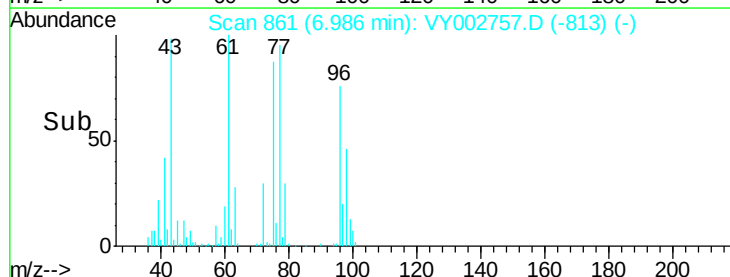
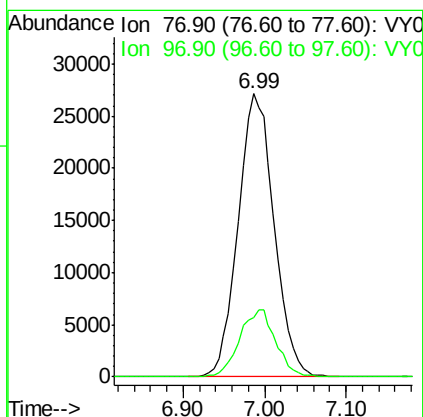
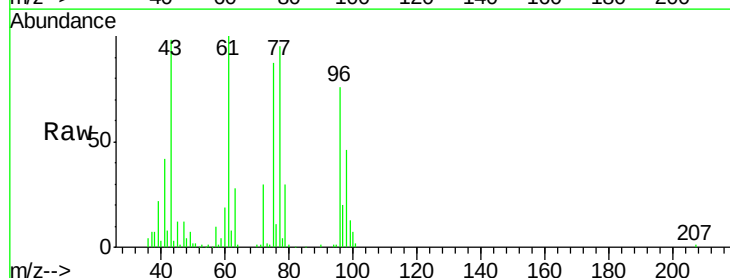
Acq: 27 May 2020 11:50

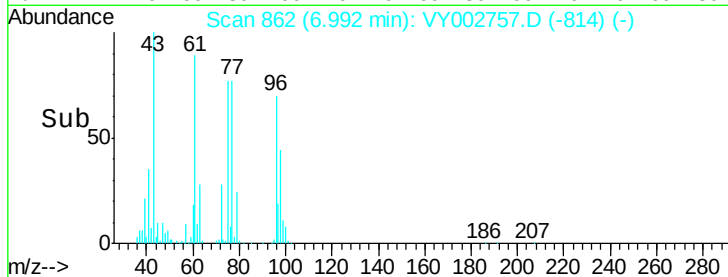
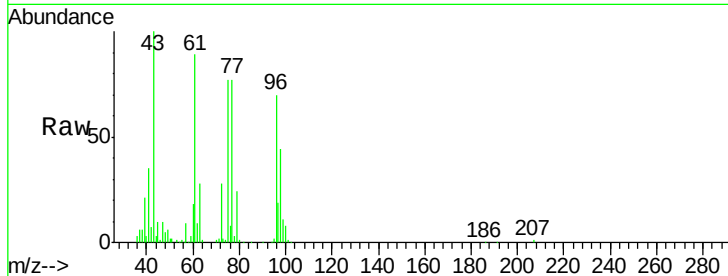
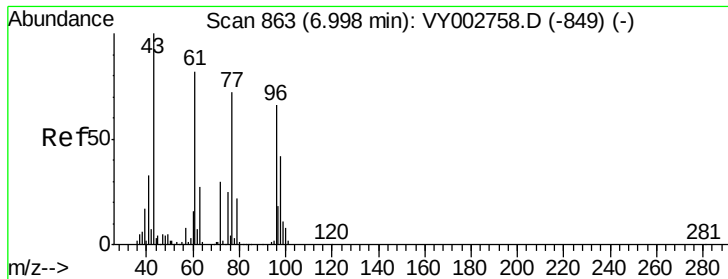
Tgt Ion: 77 Resp: 82943

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6





#27

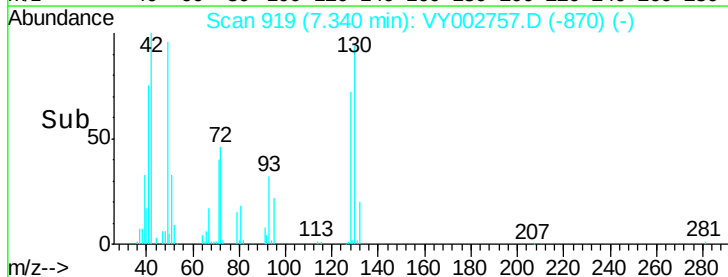
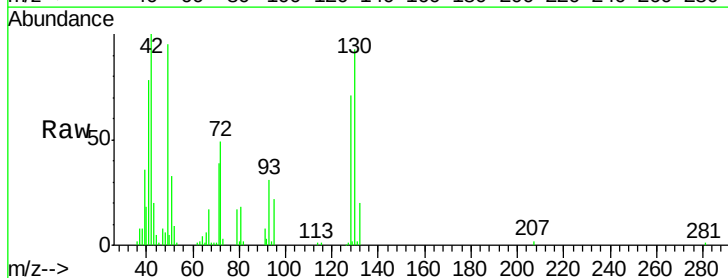
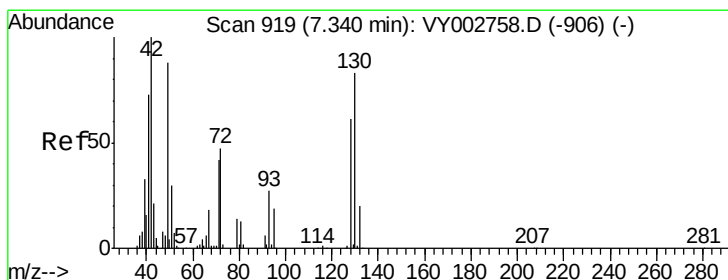
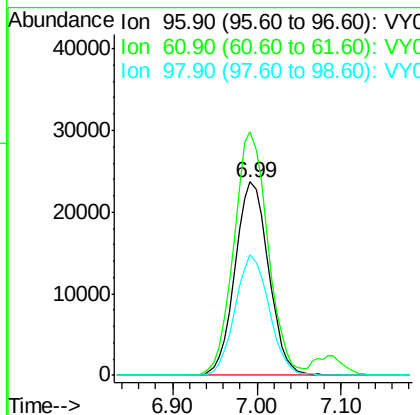
cis-1,2-Dichloroethene
Concen: 20.324 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63993		
61	127.5		0.0	260.2
98	62.8		0.0	128.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Manual Integrations
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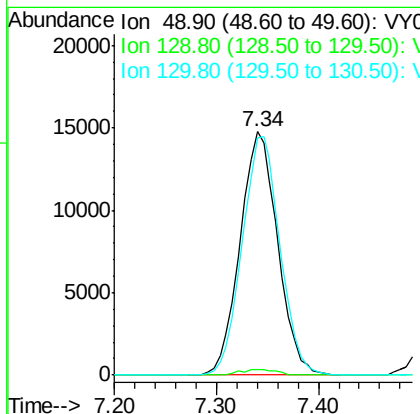
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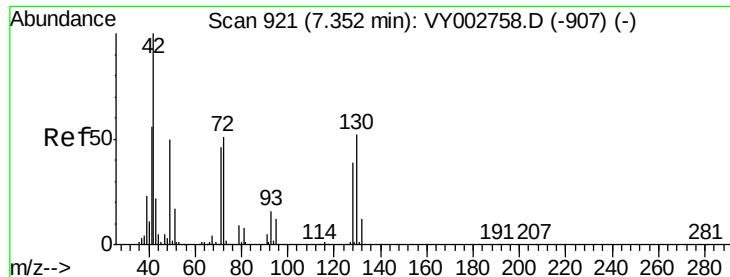


#28

Bromochloromethane
Concen: 21.205 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37804		
129	2.1		0.0	5.2
130	98.6		77.1	115.7





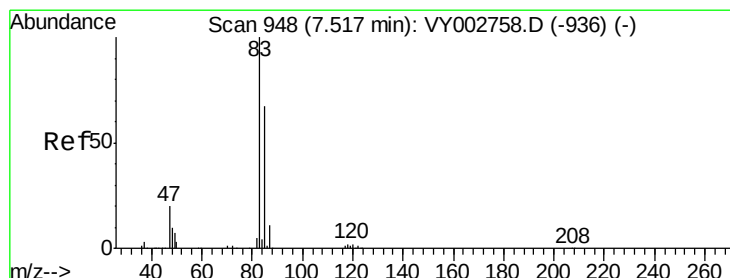
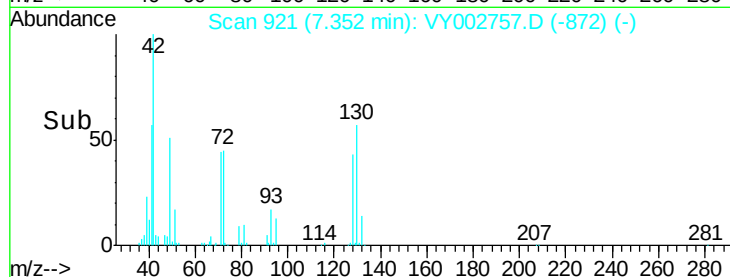
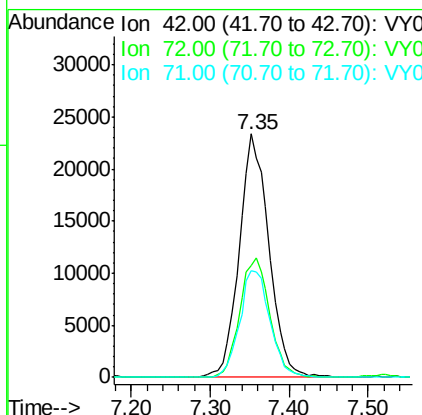
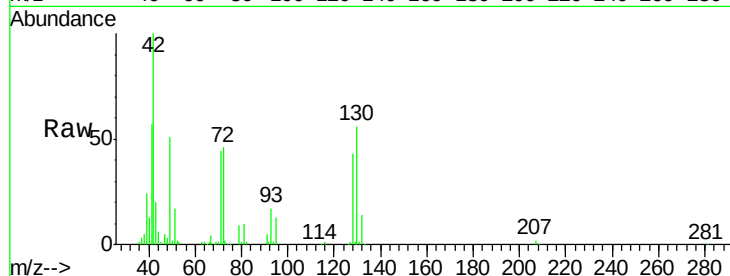
#29
Tetrahydrofuran
Concen: 110.452 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	38.6	58.0
71	44.9	35.8	53.8

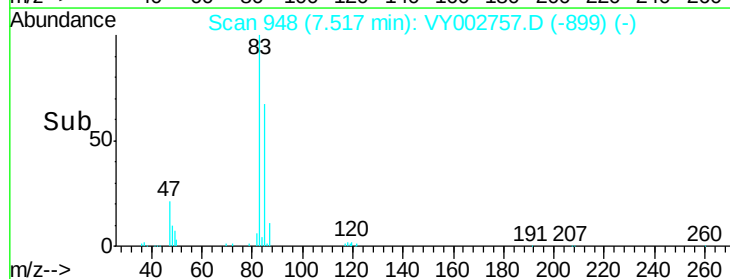
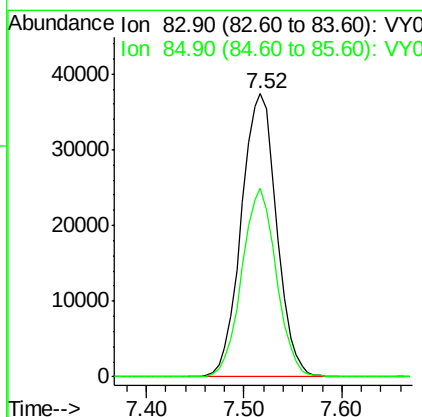
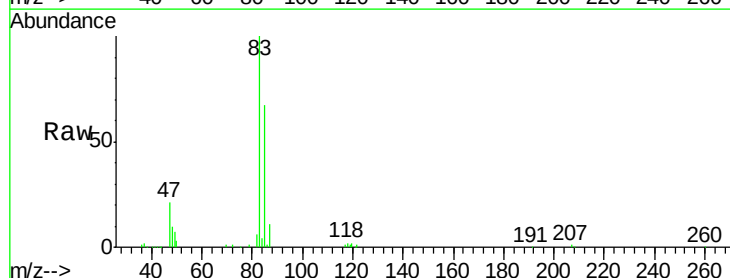
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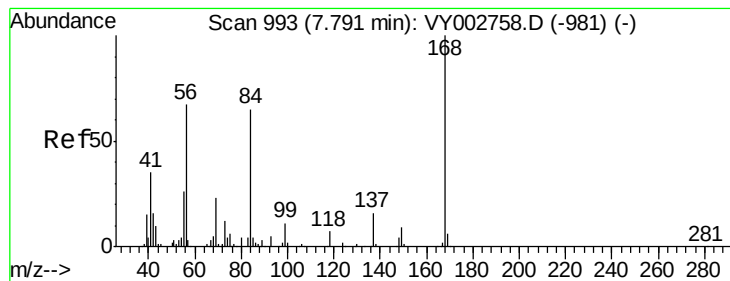
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#30
Chloroform
Concen: 20.175 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.8	80.8





#31

Cyclohexane

Concen: 18.820 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

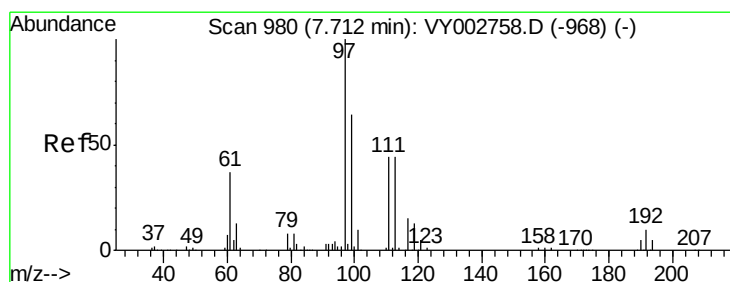
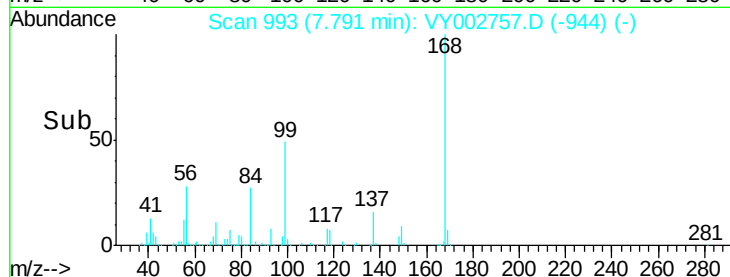
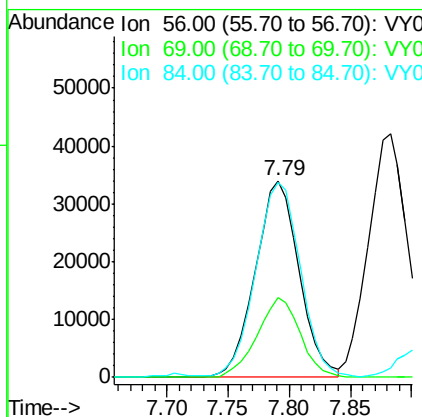
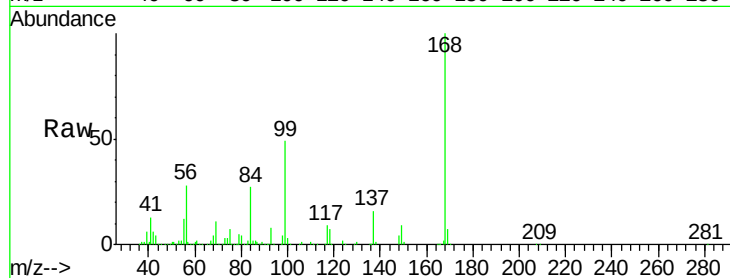
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	84712
Ion	Ratio	Lower	Upper
56	100		
69	40.8	28.0	42.0
84	97.9	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.129 ug/l

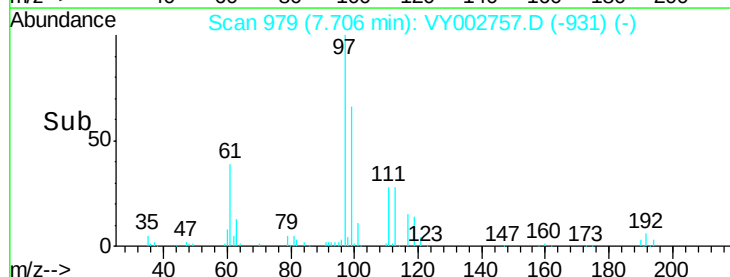
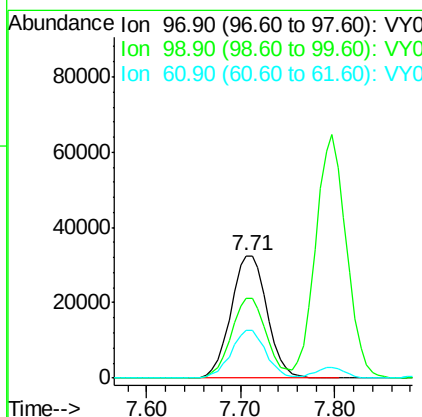
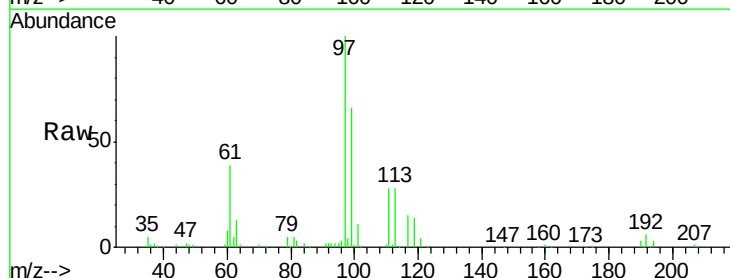
RT: 7.71 min Scan# 979

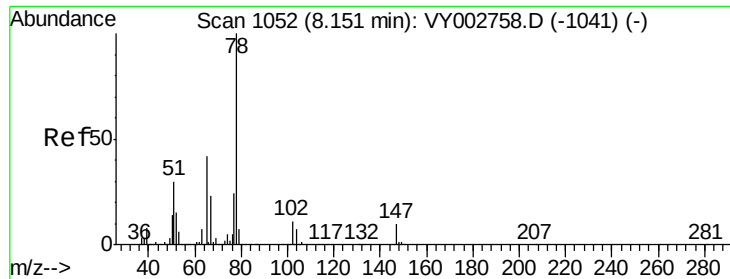
Delta R.T. -0.01 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	97	Resp:	86421
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	37.4	30.1	45.1





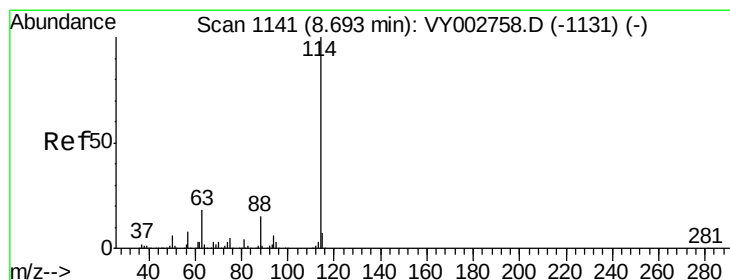
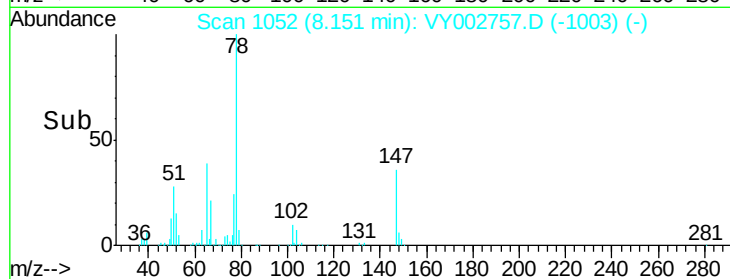
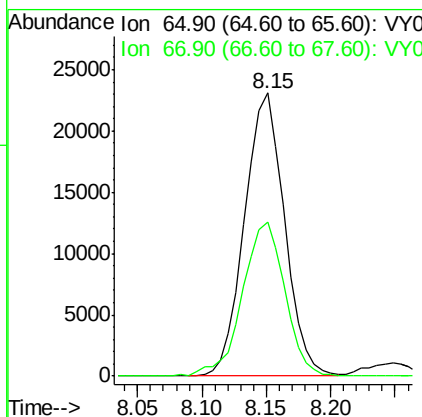
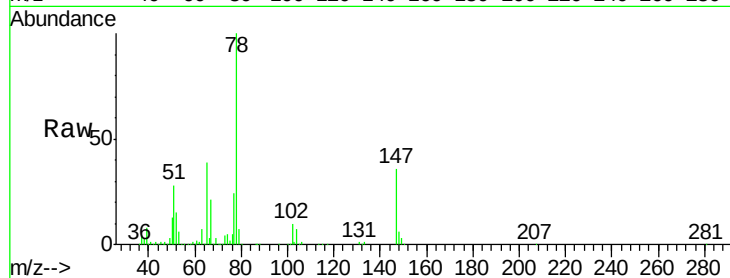
#33
 1,2-Dichloroethane-d4
 Concen: 20.958 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	49710		
67	57.5	0.0	111.0	

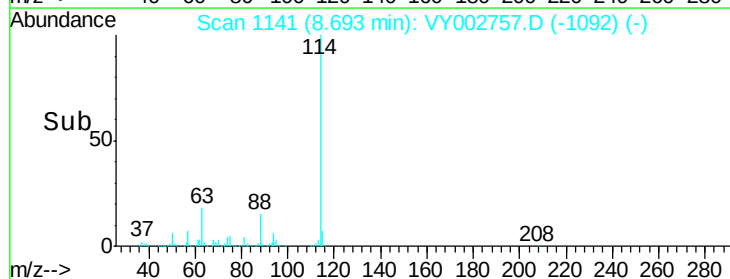
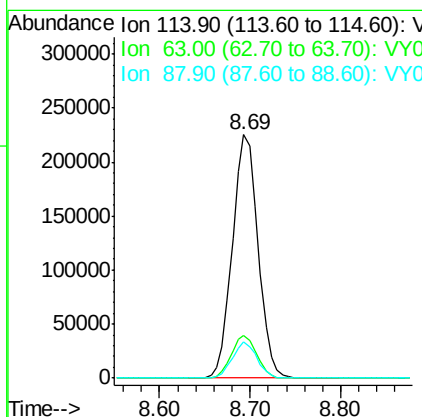
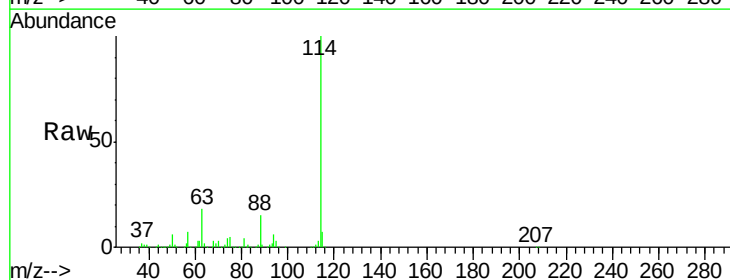
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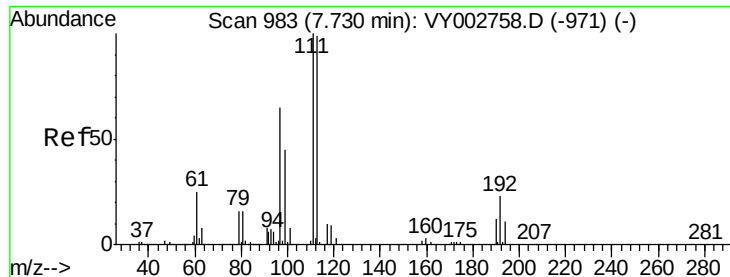
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441206		
63	17.6	0.0	35.2	
88	14.7	0.0	29.2	





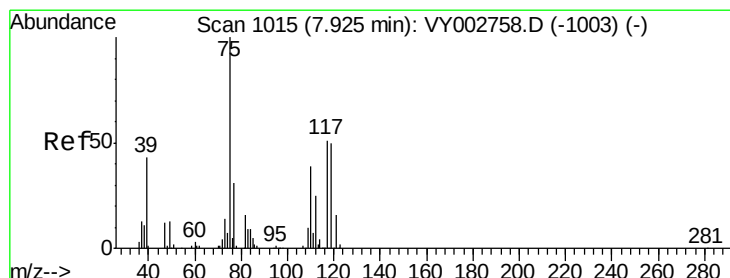
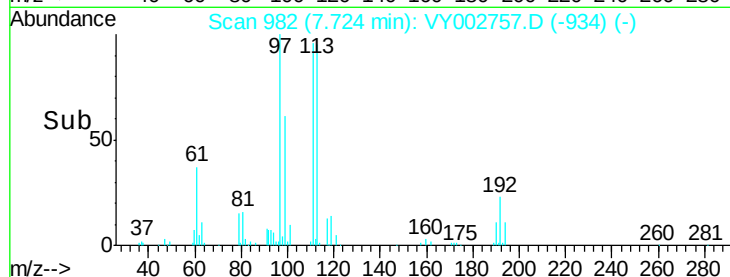
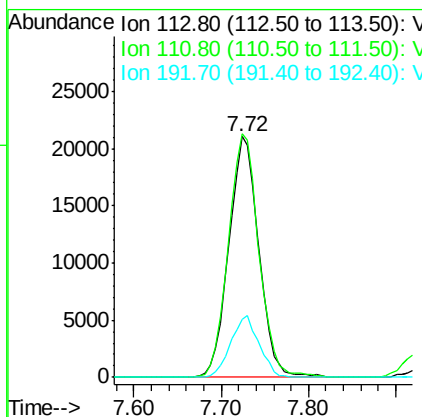
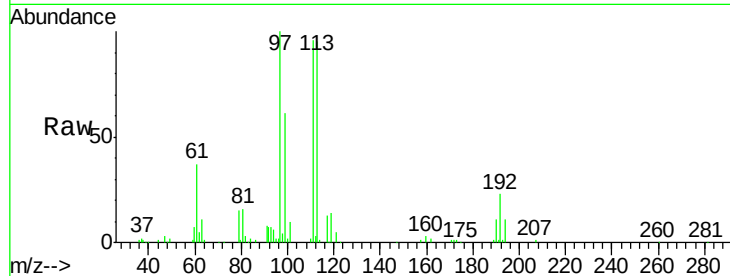
#35
 Dibromofluoromethane
 Concen: 20.441 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	50165		
111	103.0		82.0	123.0
192	24.3		18.9	28.3

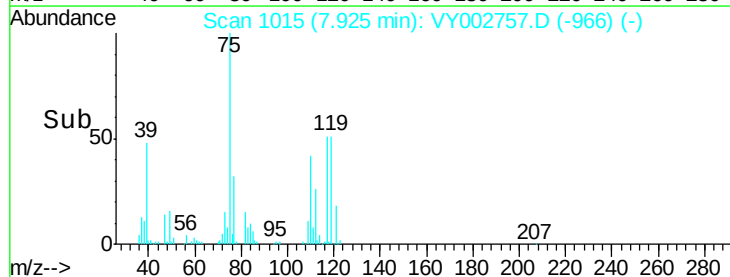
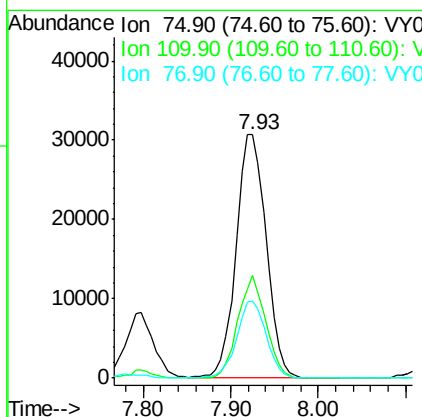
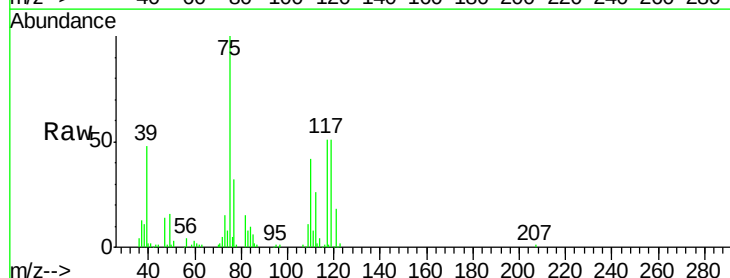
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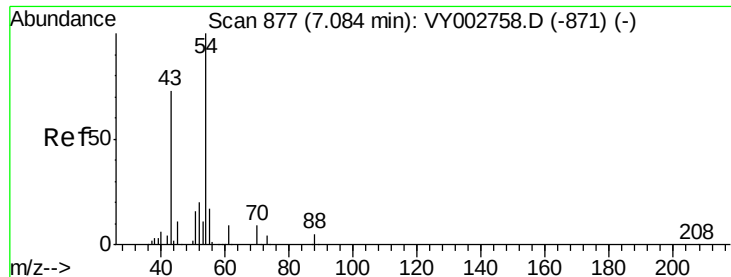
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#36
 1,1-Dichloropropene
 Concen: 19.825 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73702		
110	38.7		19.3	57.9
77	31.0		24.8	37.2





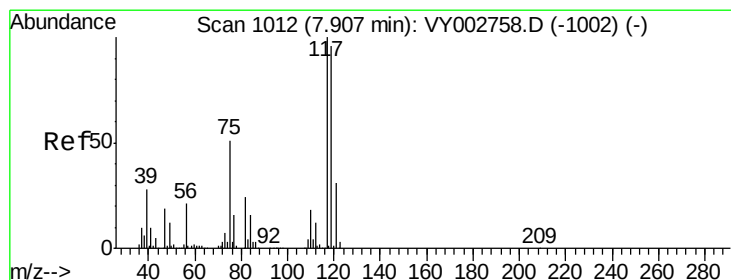
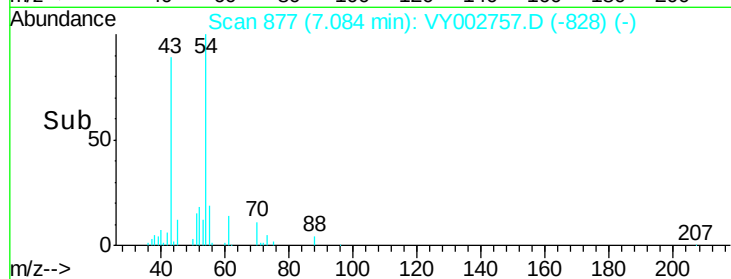
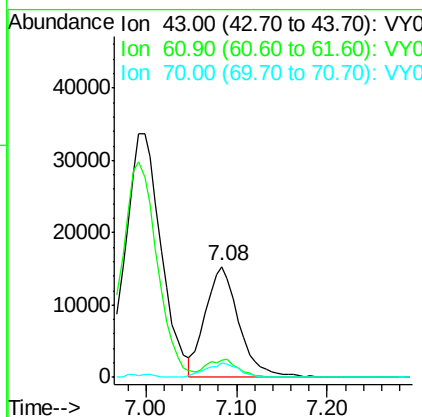
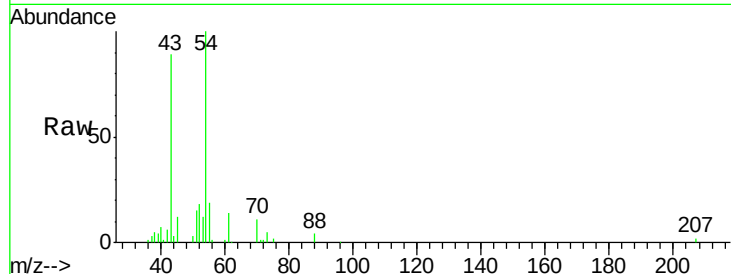
#37
Ethyl Acetate
Concen: 21.625 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.9	17.9
70	12.1	9.1	13.7

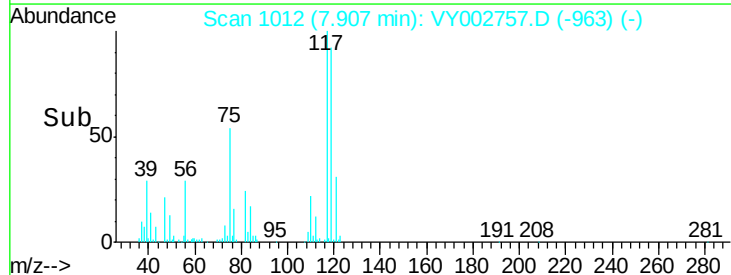
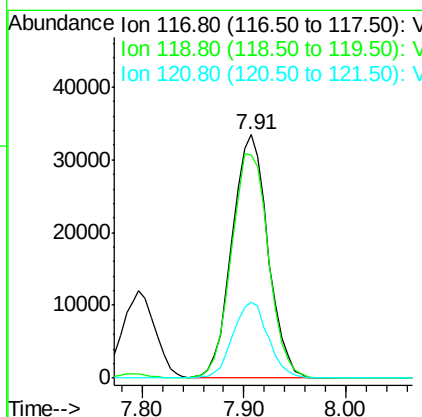
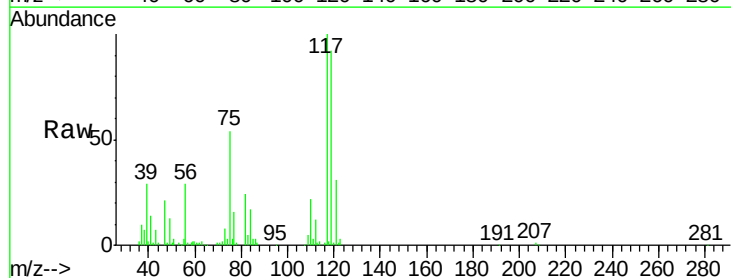
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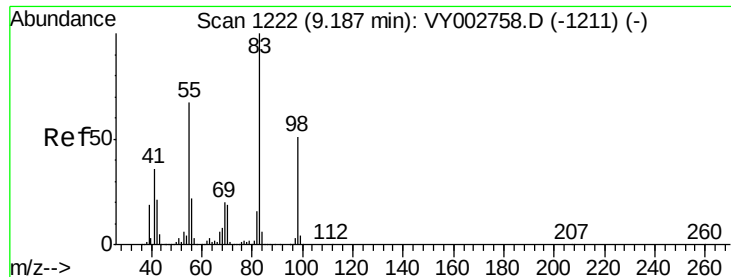
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#38
Carbon Tetrachloride
Concen: 20.464 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	76.8	115.2
121	31.2	24.8	37.2





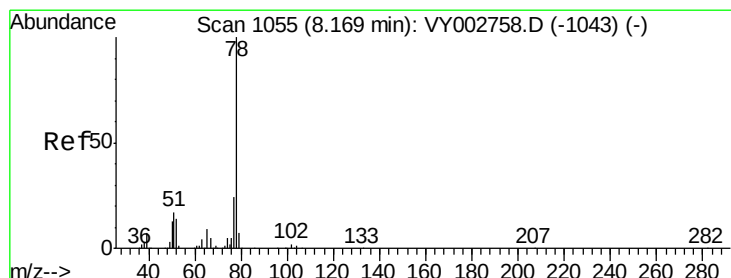
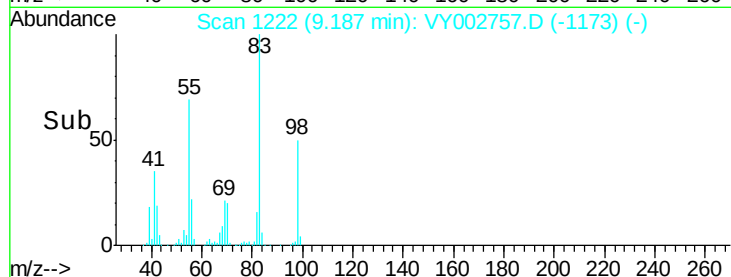
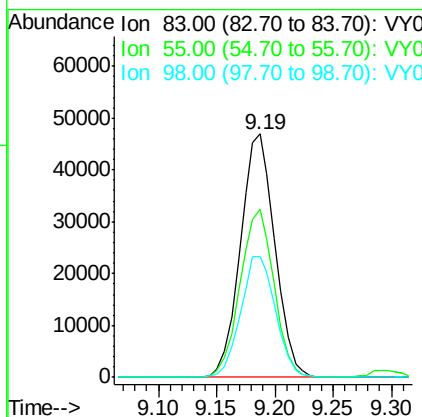
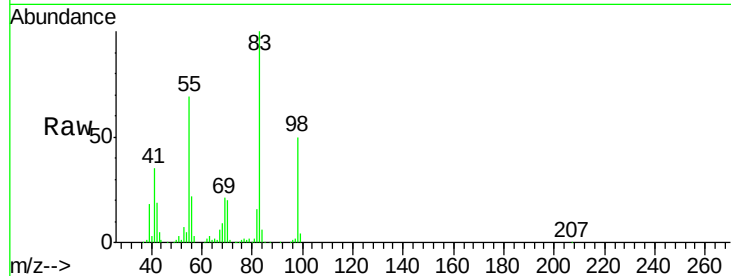
#39
Methylvlcyclohexane
Concen: 19.387 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	53.3	79.9
98	49.7	41.1	61.7

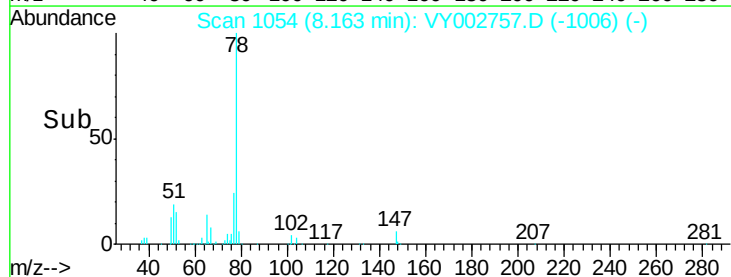
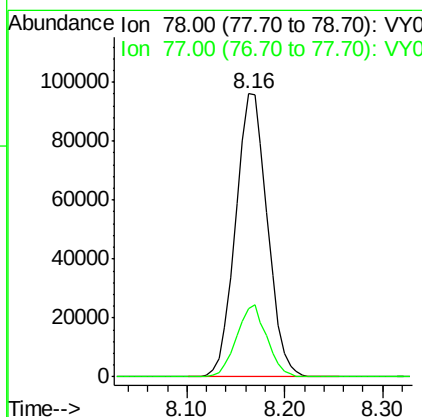
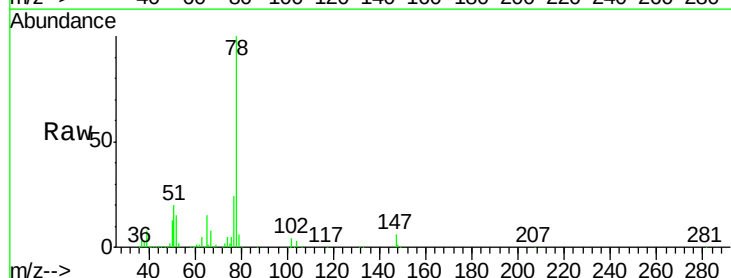
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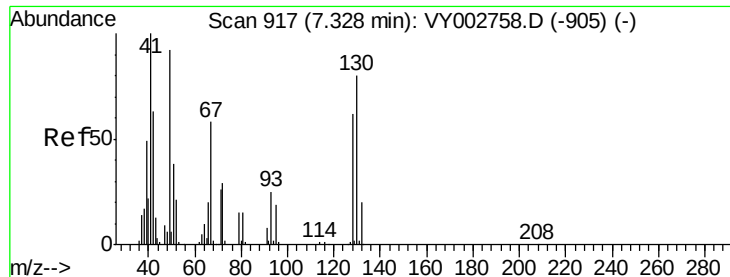
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#40
Benzene
Concen: 19.963 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





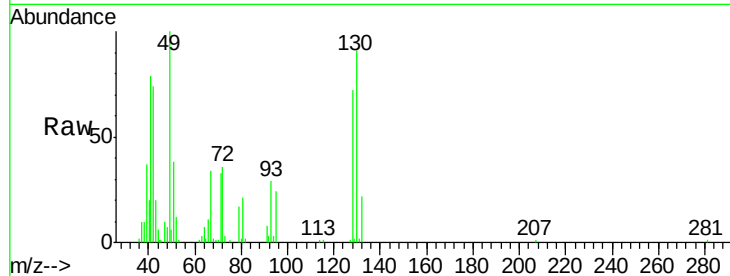
#41
Methacrylonitrile
Concen: 22.173 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

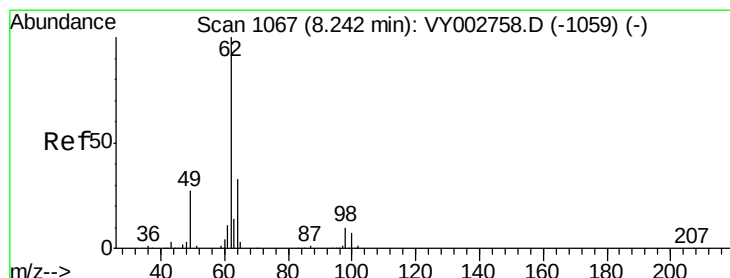
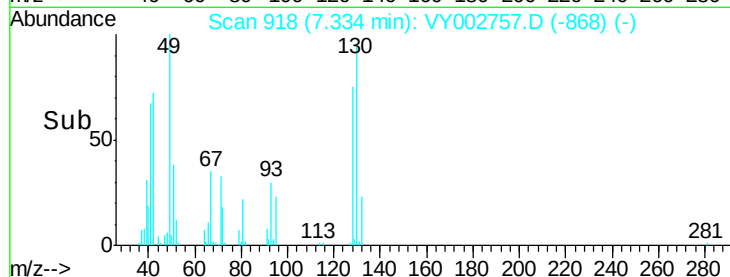
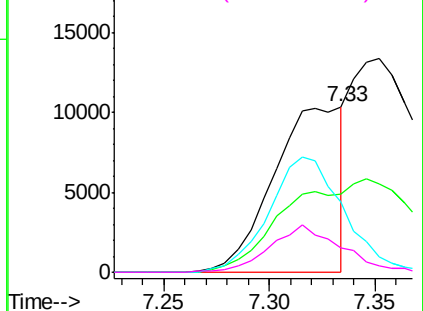
Tot Ion	Ratio	Lower	Upper
41	100		
39	103.8	97.6	146.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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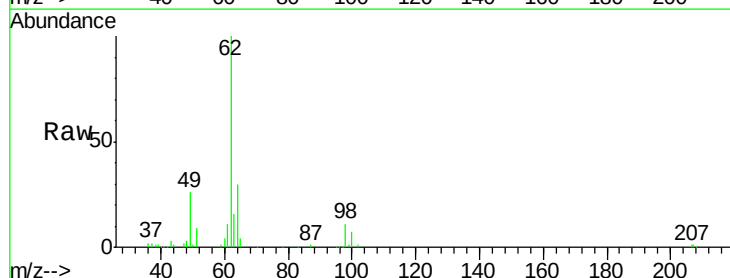


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

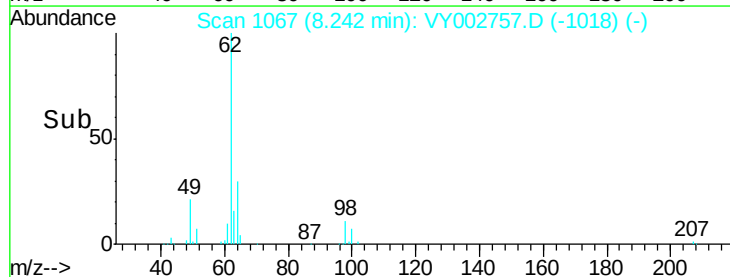
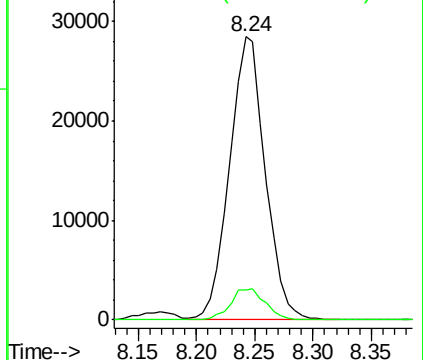


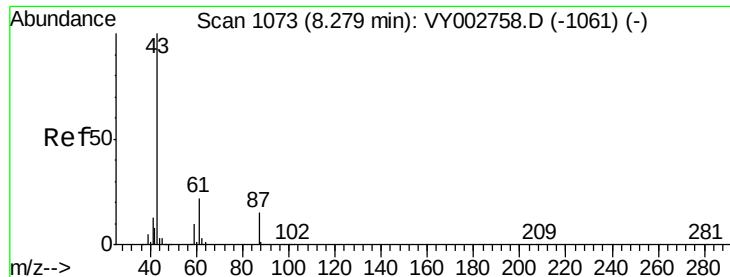
#42
1,2-Dichloroethane
Concen: 21.062 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





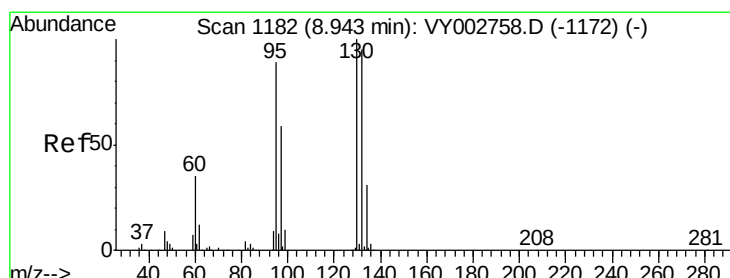
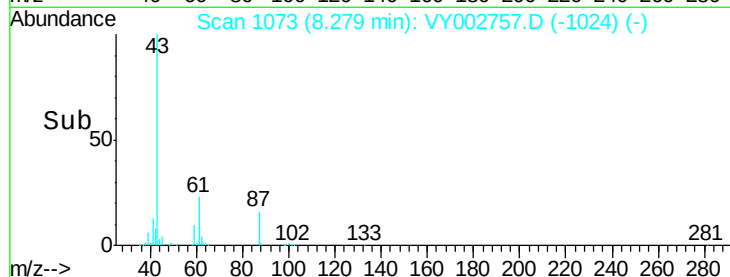
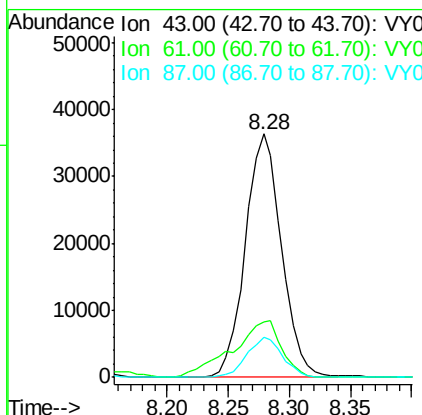
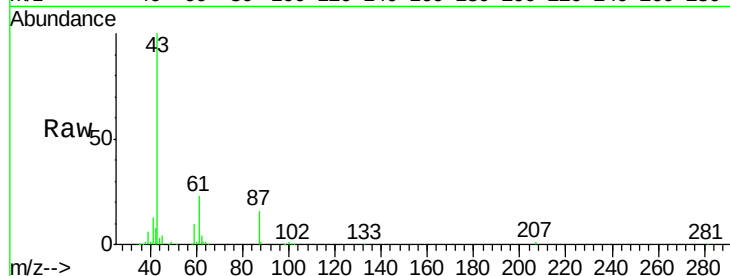
#43
Isopropyl Acetate
Concen: 21.704 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	24.8	37.2
87	16.2	12.4	18.6

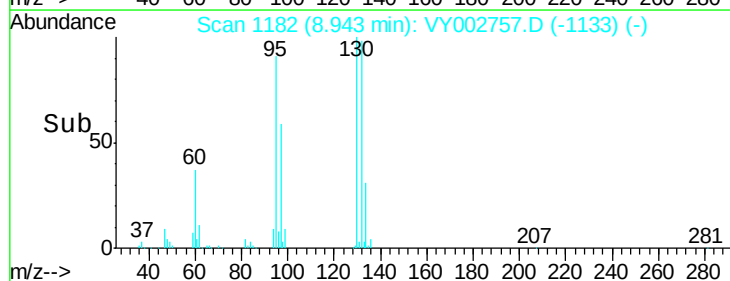
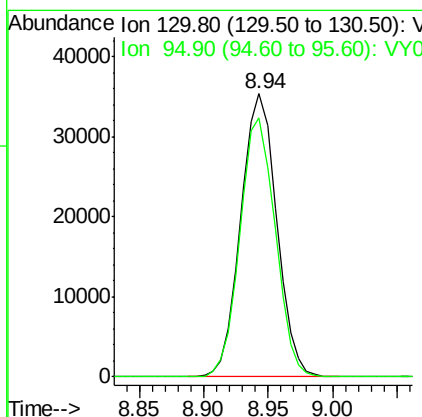
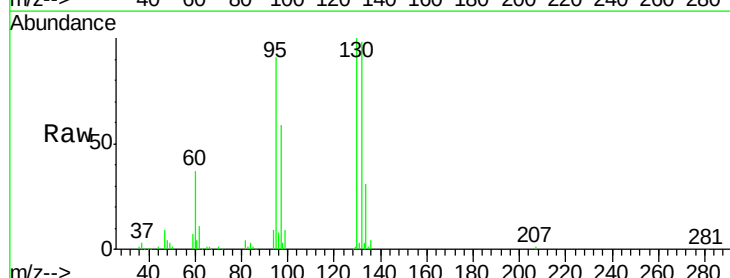
Manual Integrations
APPROVED

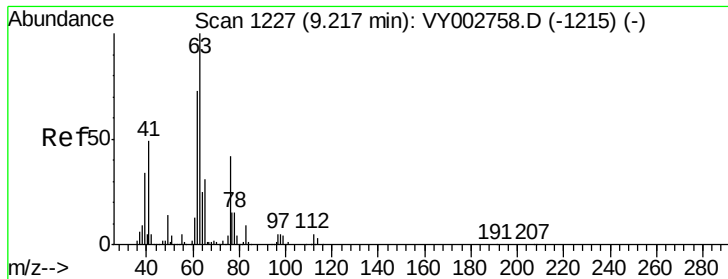
MMDadoda
5/28/2020 2:08:35 PM



#44
Trichloroethene
Concen: 19.740 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	178.8





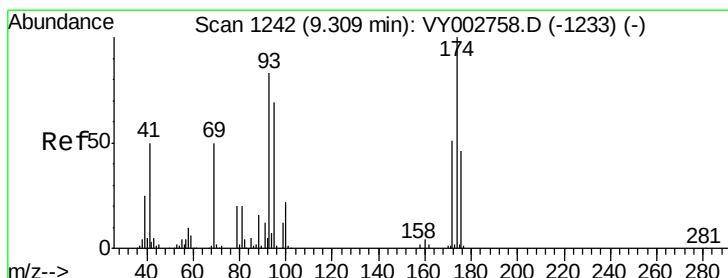
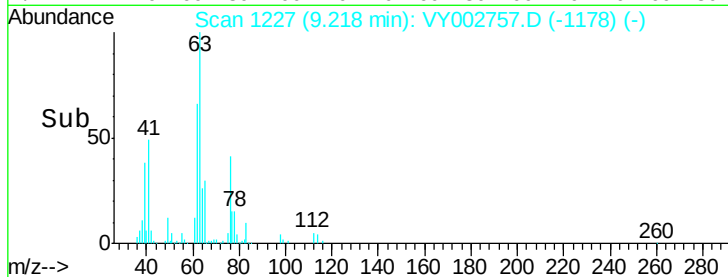
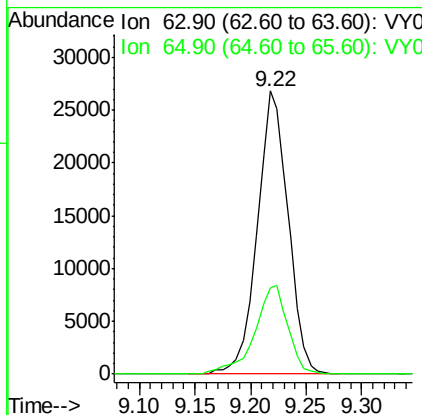
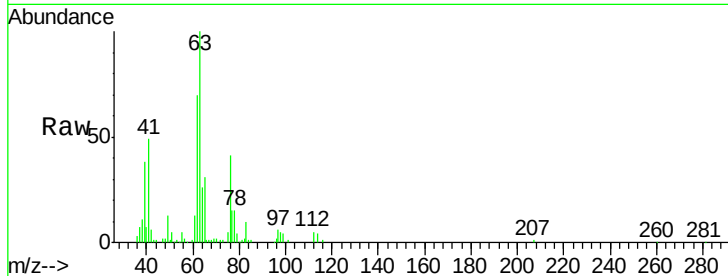
#45
 1,2-Dichloropropane
 Concen: 19.973 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

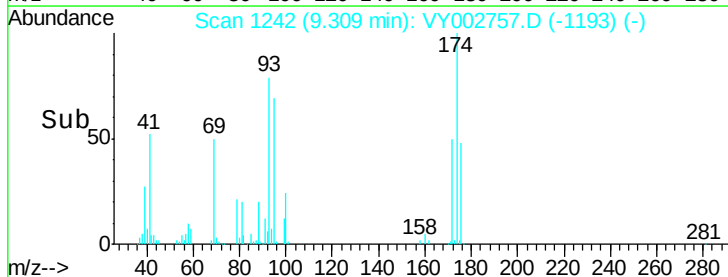
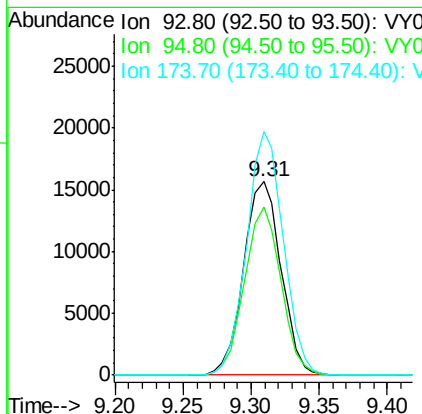
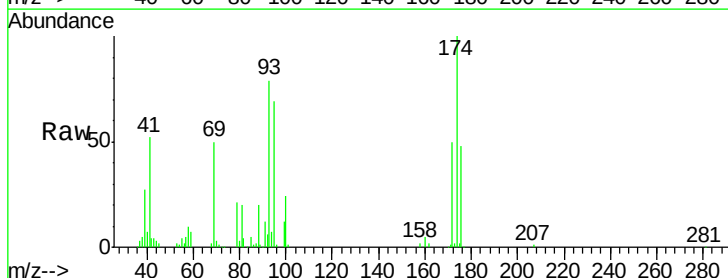
Manual Integrations
 APPROVED

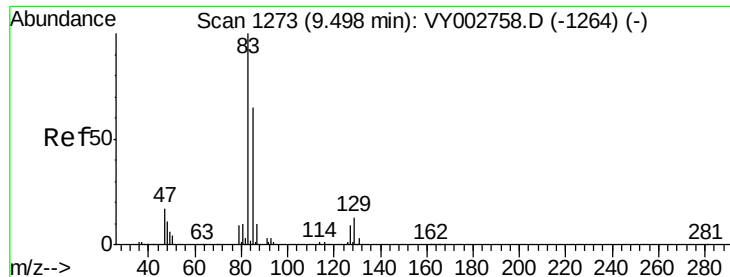
MMDadoda
 5/28/2020 2:08:35 PM



#46
 Dibromomethane
 Concen: 20.741 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.9	100.3
174	123.5	97.7	146.5





#47

Bromodichloromethane

Concen: 20.555 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

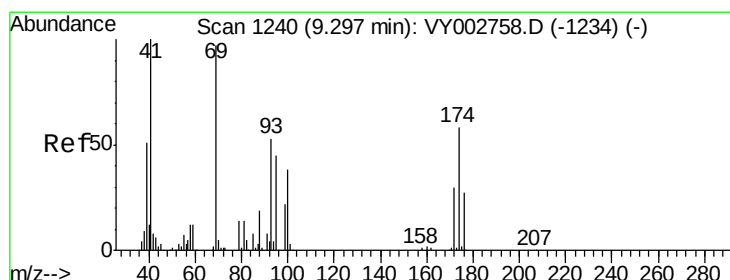
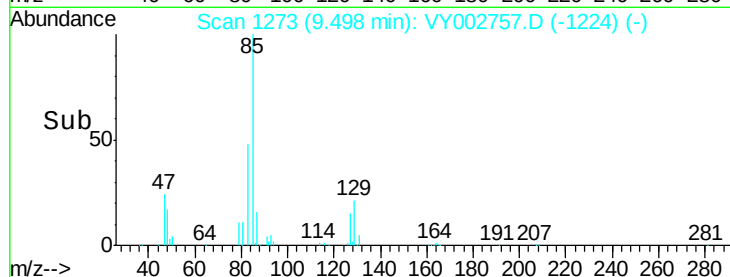
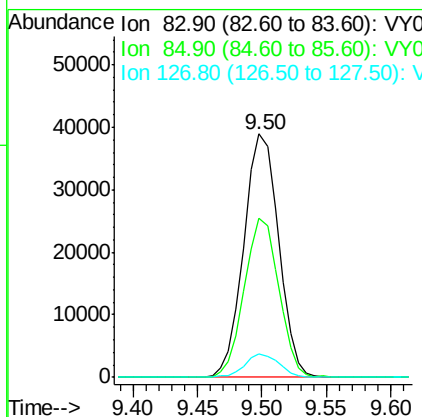
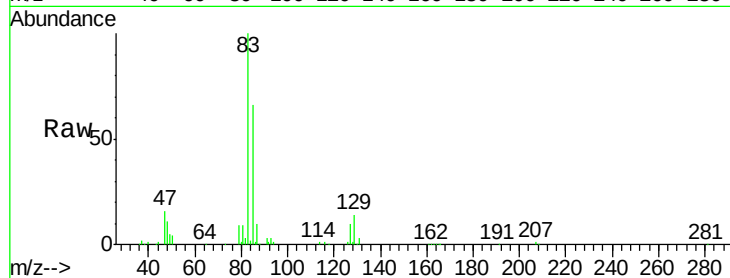
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	72925
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9
127	9.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:35 PM



#48

Methyl methacrylate

Concen: 21.329 ug/l

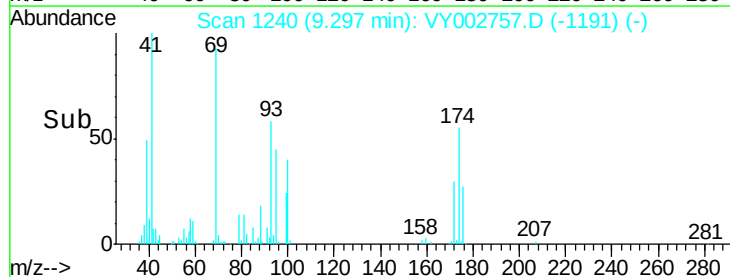
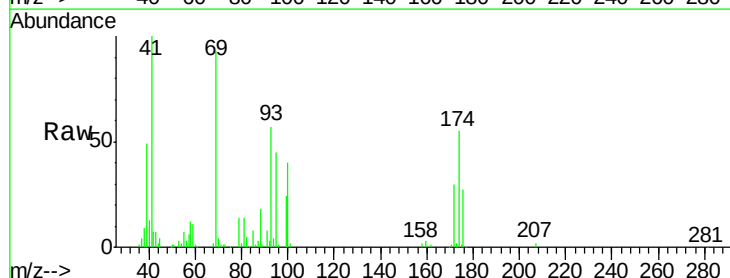
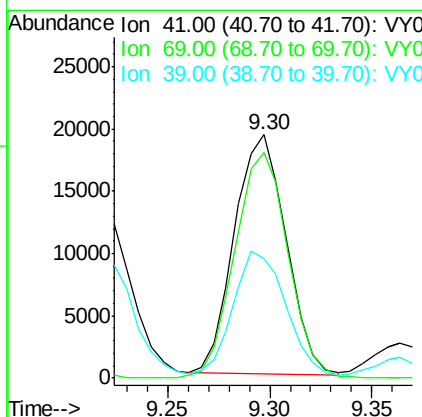
RT: 9.30 min Scan# 1240

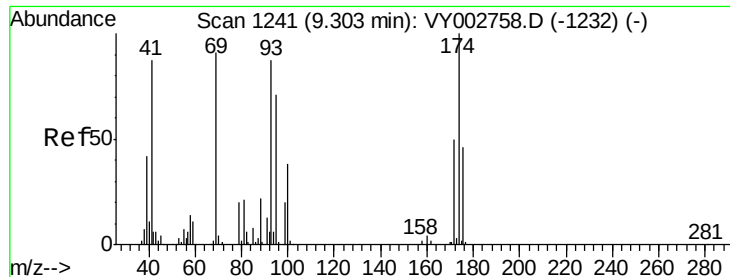
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	41	Resp:	33756
Ion	Ratio	Lower	Upper
41	100		
69	97.4	79.7	119.5
39	55.4	43.3	64.9





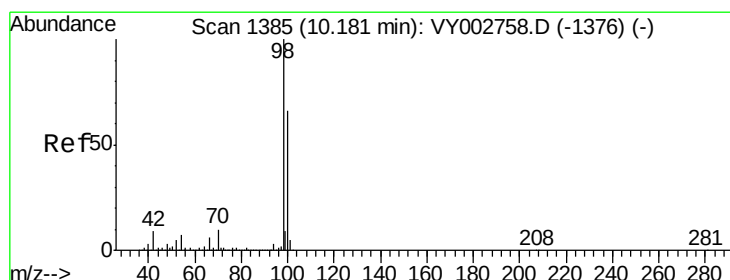
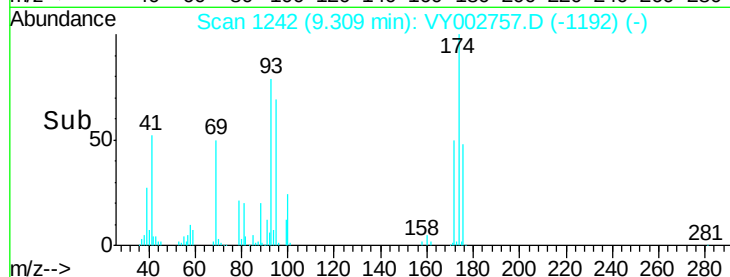
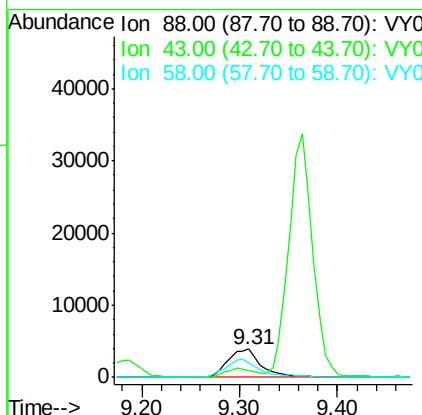
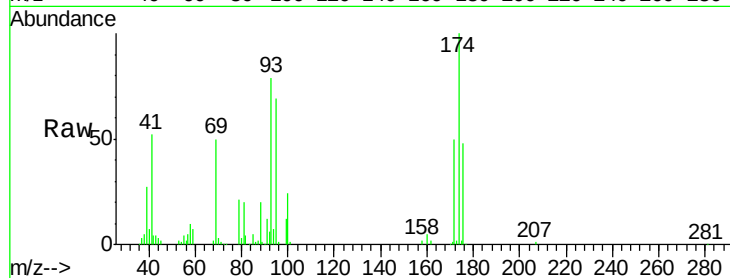
#49
1,4-Dioxane
Concen: 460.507 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	9377
Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.3	31.9
58	66.4	52.2	78.2

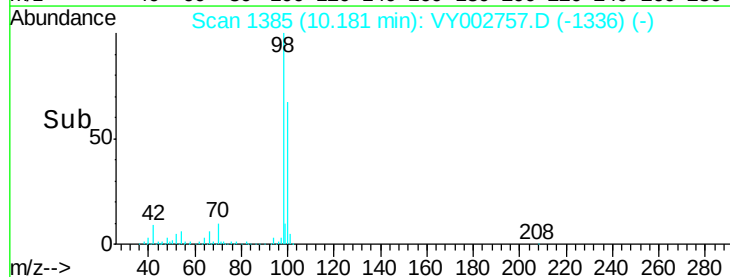
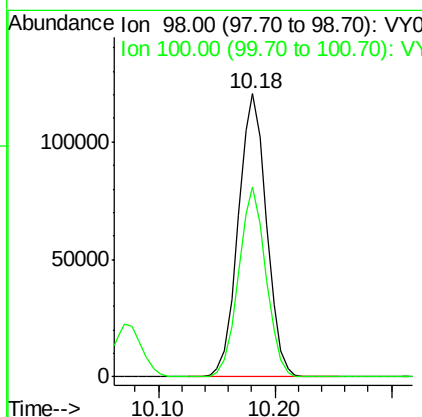
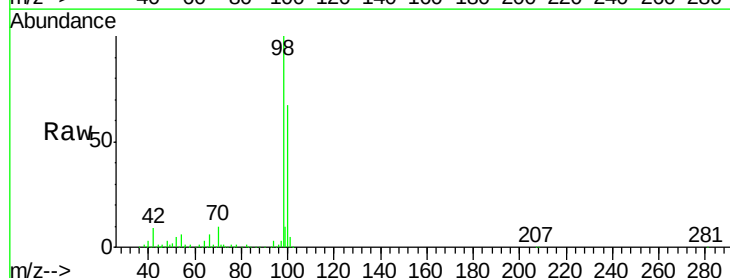
Manual Integrations
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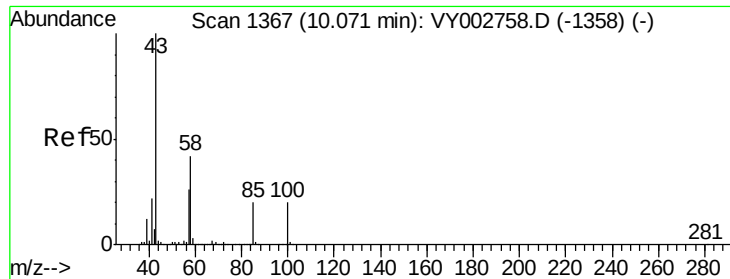
MMDadoda
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#50
Toluene-d8
Concen: 20.616 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	98	Resp	203374
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





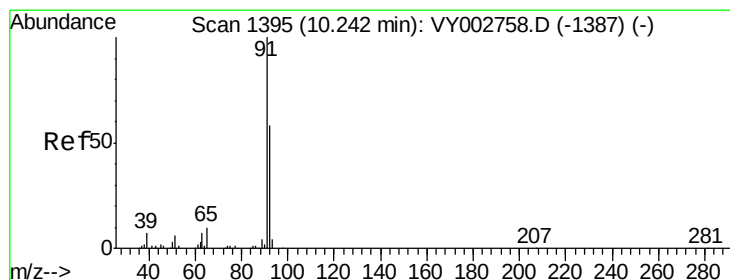
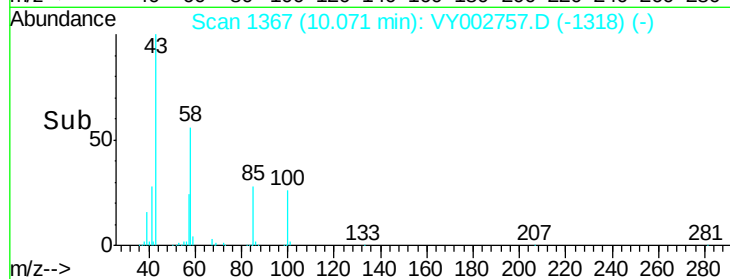
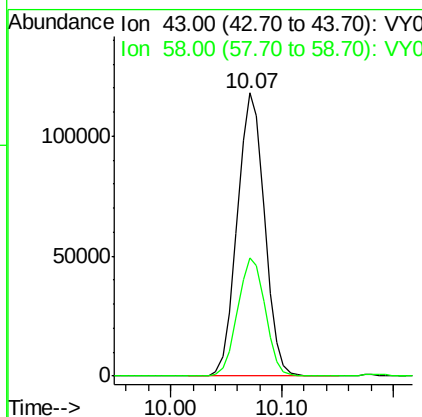
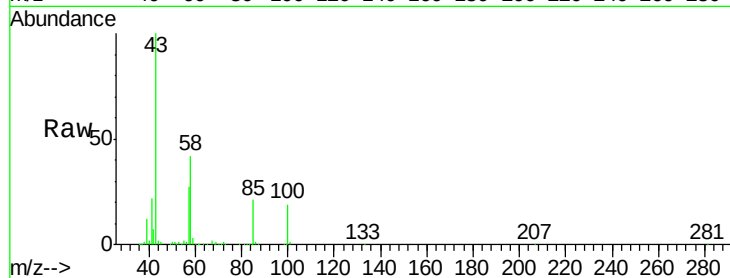
#51
4-Methyl-2-Pentanone
Concen: 111.831 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	34.2	51.2

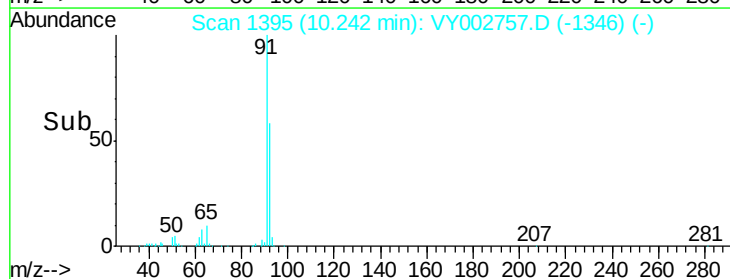
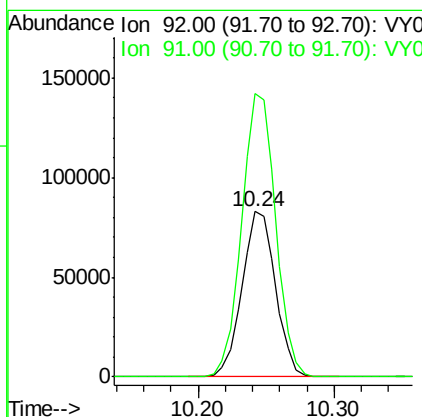
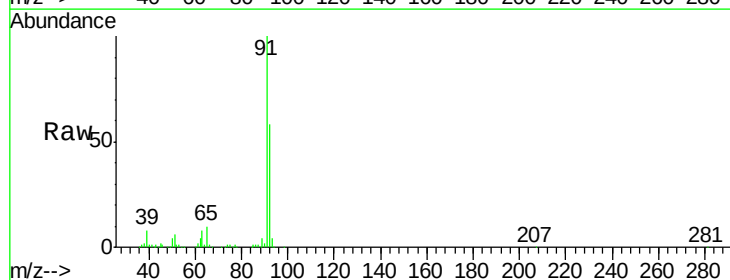
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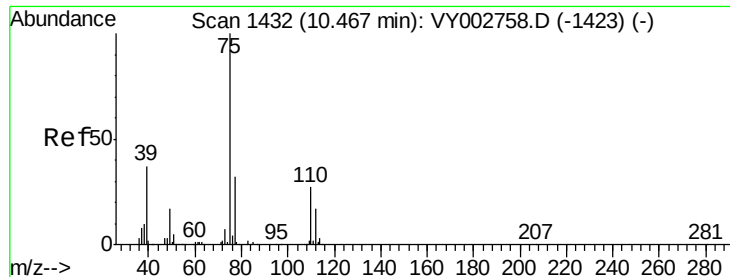
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#52
Toluene
Concen: 20.241 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.5	207.7





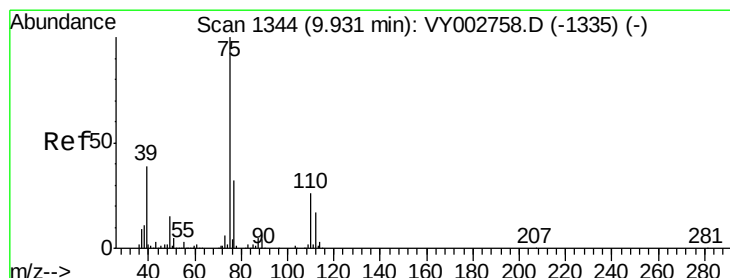
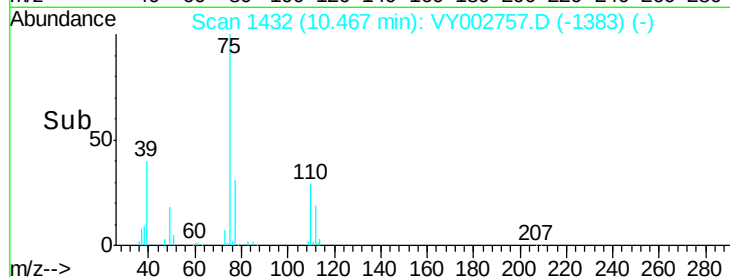
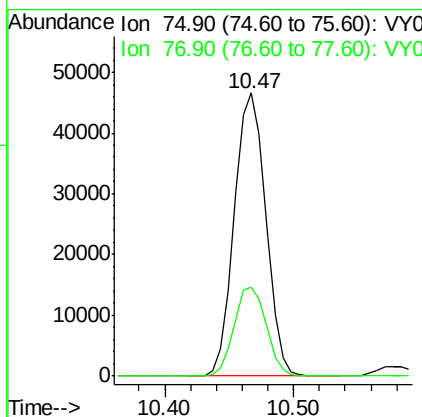
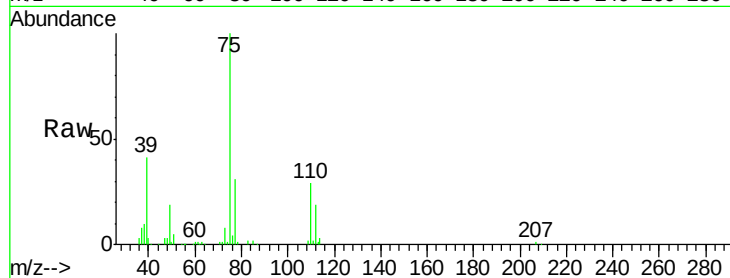
#53
t-1,3-Dichloropropene
Concen: 20.842 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

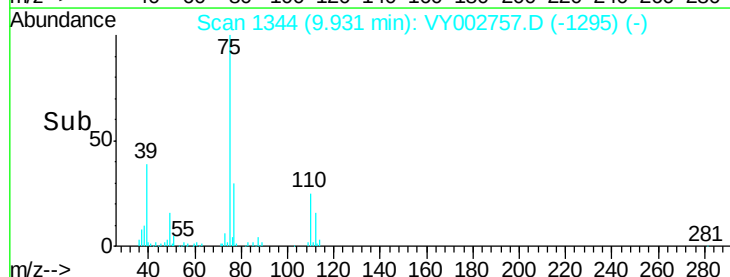
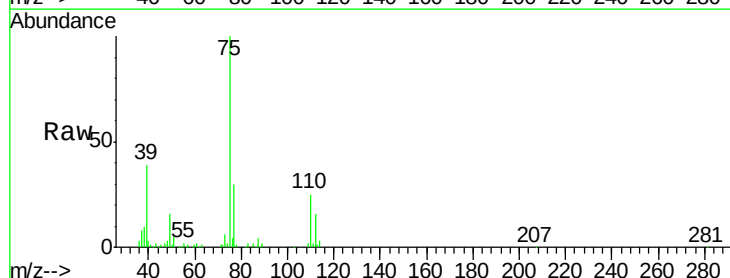
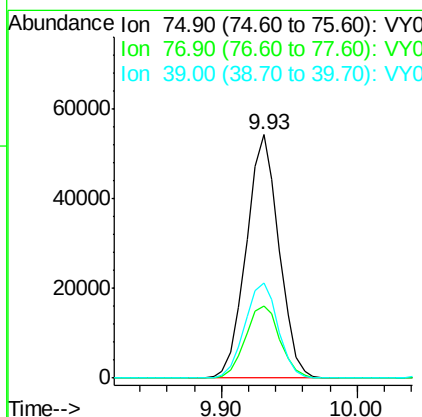
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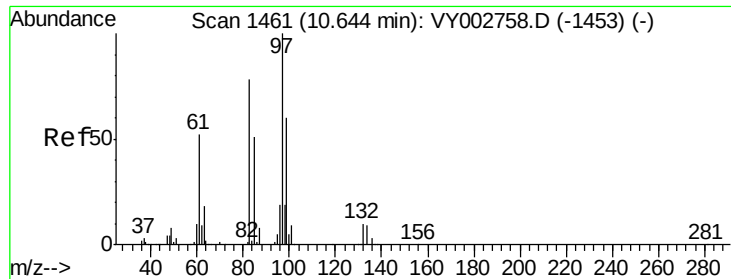
MMDadoda
5/28/2020 2:08:35 PM



#54
cis-1,3-Dichloropropene
Concen: 20.754 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.6	38.4
39	39.3	31.3	46.9





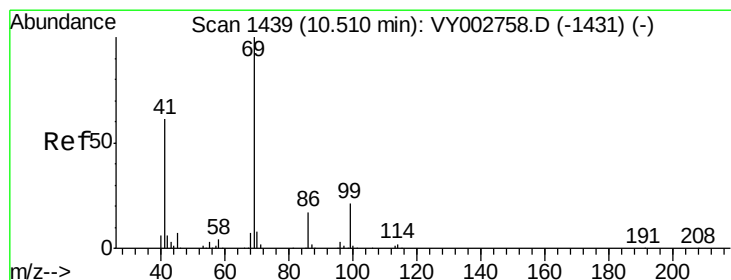
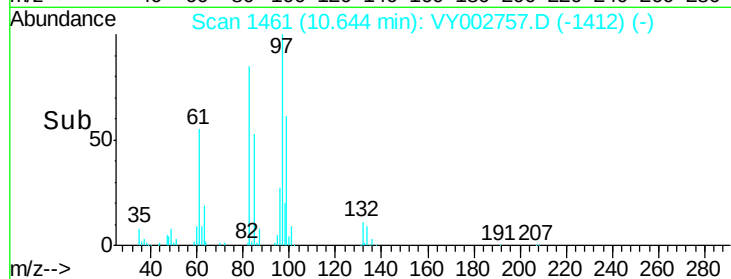
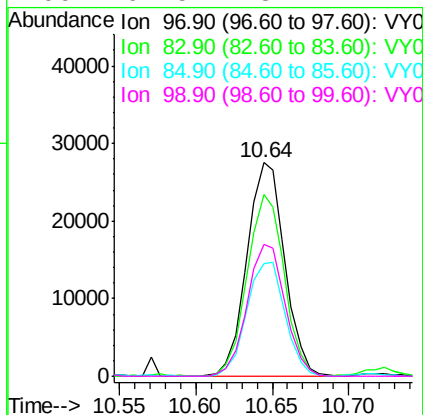
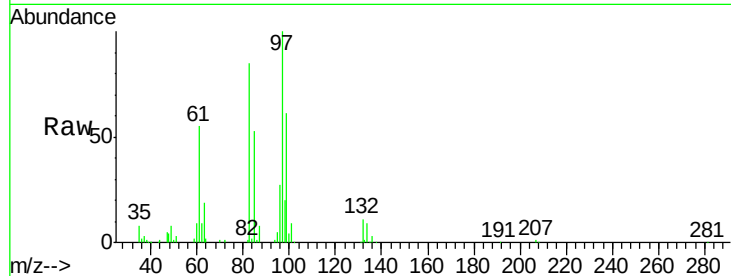
#55
 1,1,2-Trichloroethane
 Concen: 21.526 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	47148
Ion	Ratio	Lower	Upper
97	100		
83	84.9	62.7	94.1
85	52.9	40.6	60.8
99	61.5	48.2	72.4

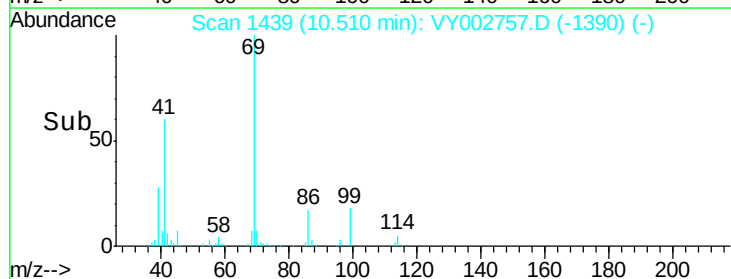
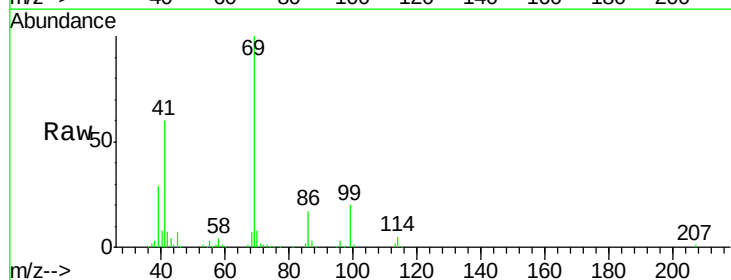
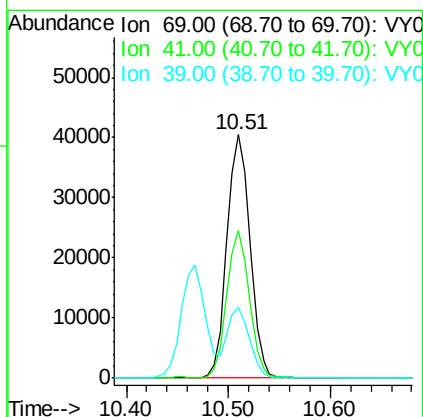
Manual Integrations
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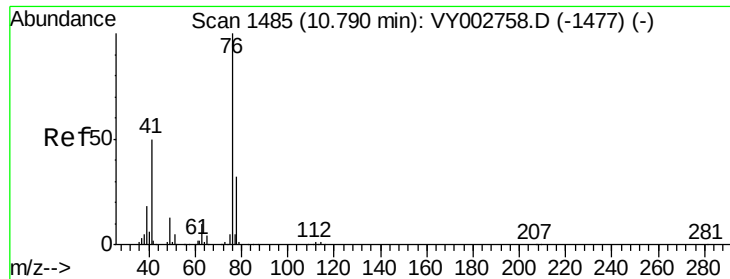
MMDadoda
 5/28/2020 2:08:35 PM



#56
 Ethyl methacrylate
 Concen: 21.779 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion:	69	Resp:	63288
Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.0	70.4
39	26.8	22.0	33.0





#57

1,3-Dichloropropane

Concen: 21.549 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 78527

Ion Ratio Lower Upper

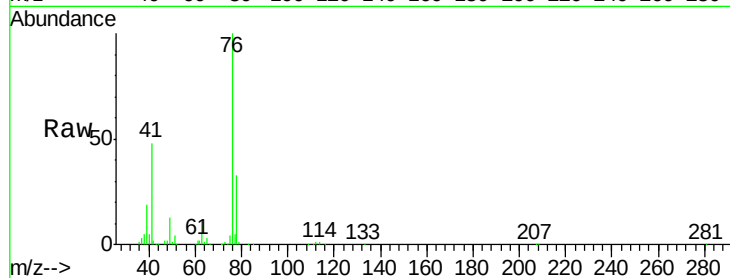
76 100

78 32.4 26.1 39.1

Manual Integrations
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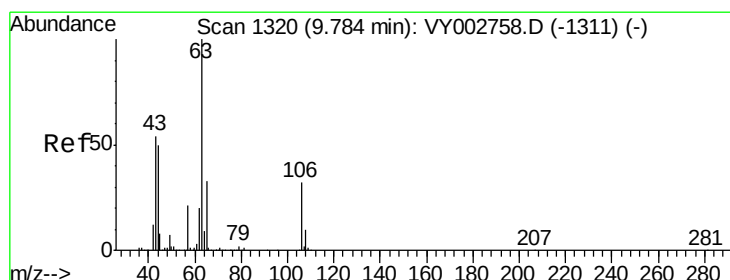
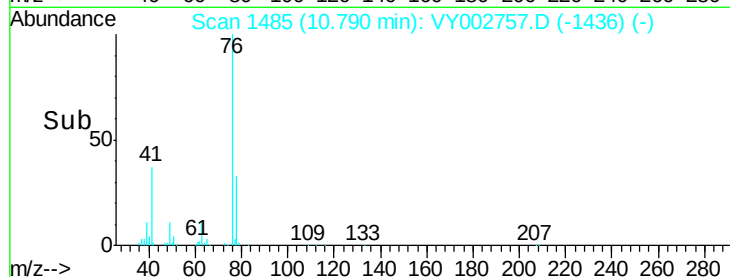
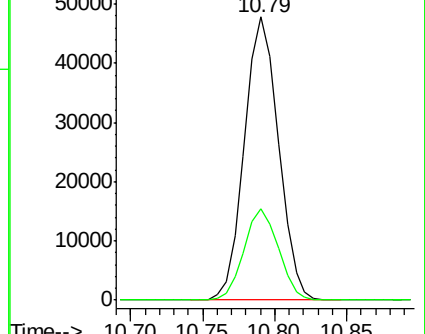
MMDadoda

5/28/2020 2:08:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 111.369 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002757.D

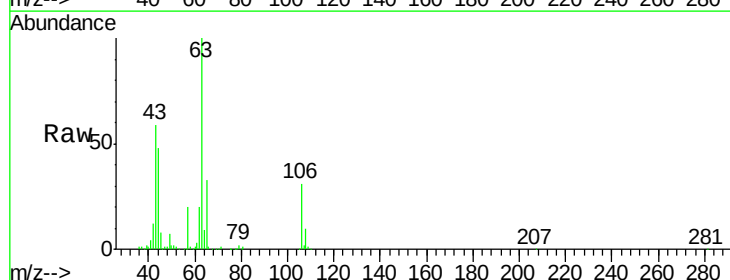
Acq: 27 May 2020 11:50

Tgt Ion: 63 Resp: 158928

Ion Ratio Lower Upper

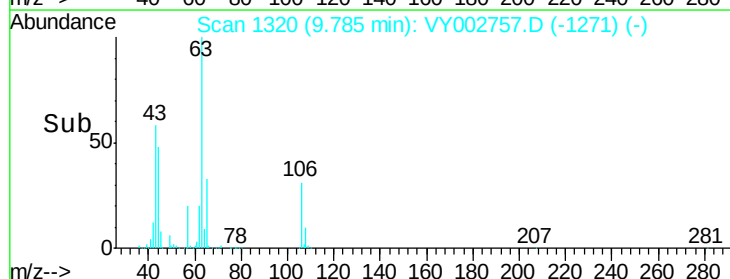
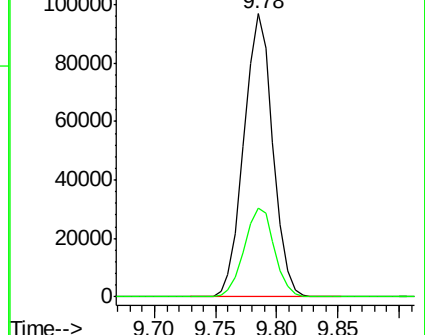
63 100

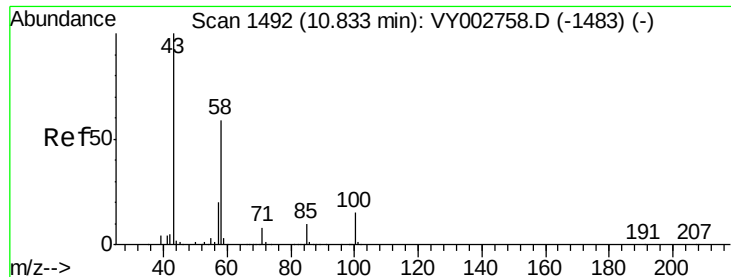
106 32.5 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





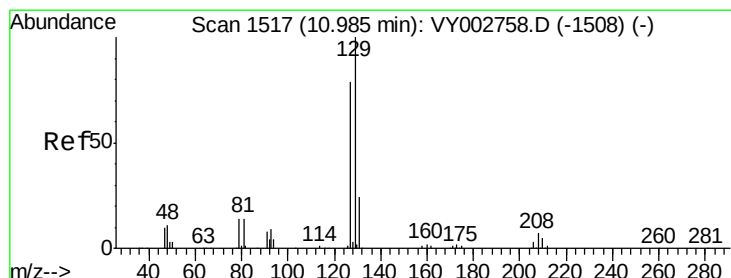
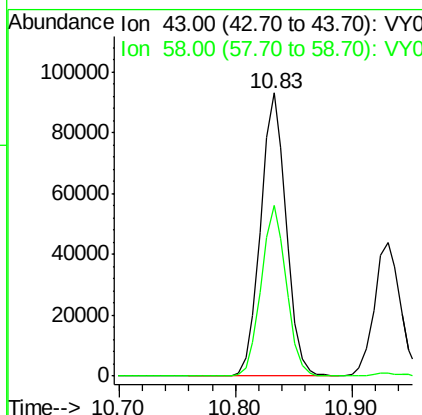
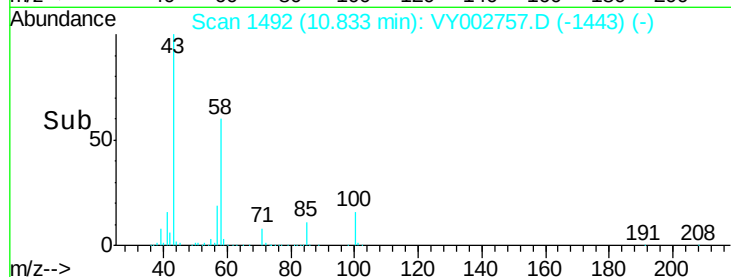
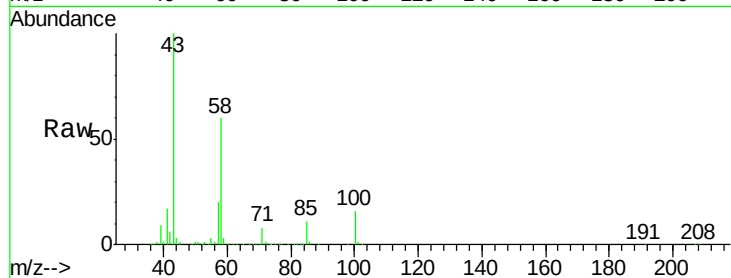
#59
2-Hexanone
Concen: 113.810 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 142550
Ion Ratio Lower Upper
43 100
58 59.2 29.5 88.5

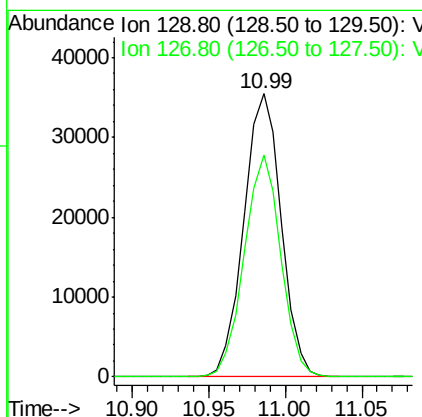
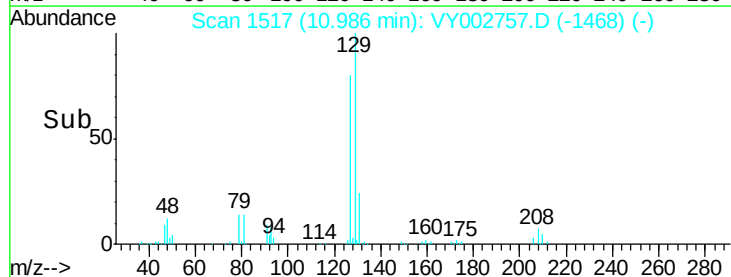
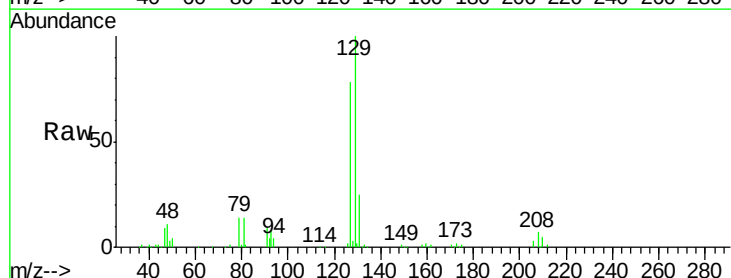
Manual Integrations
APPROVED

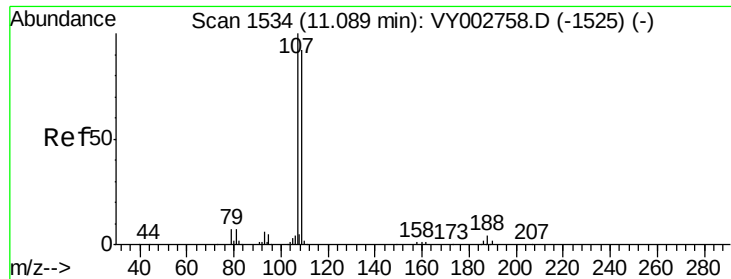
MMDadoda
5/28/2020 2:08:35 PM



#60
Dibromochloromethane
Concen: 21.648 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion: 129 Resp: 60268
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





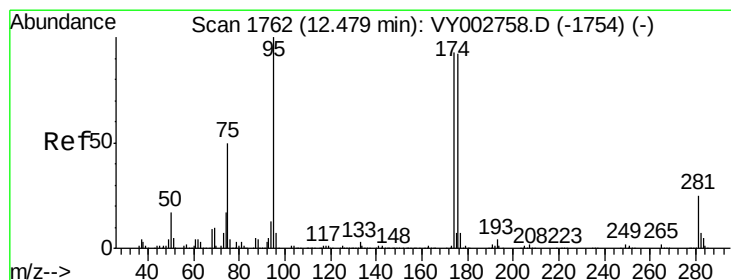
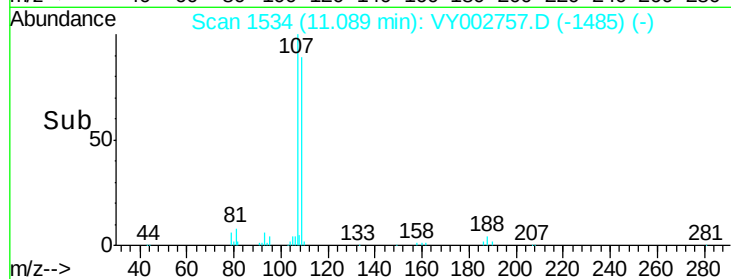
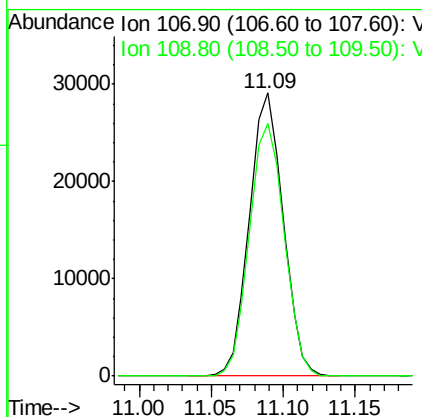
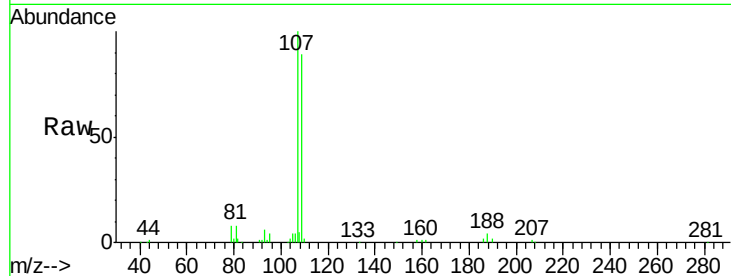
#61
 1,2-Dibromoethane
 Concen: 21.948 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 47275
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.6 113.4

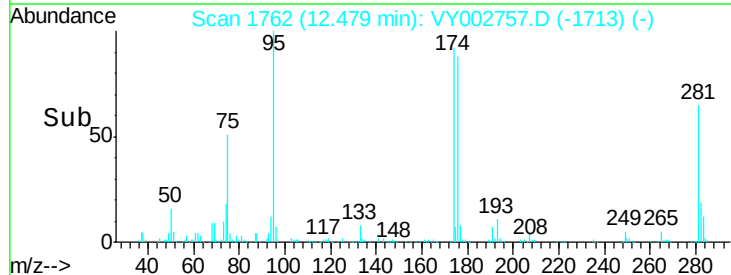
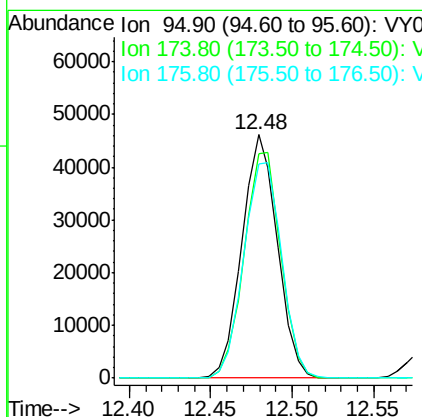
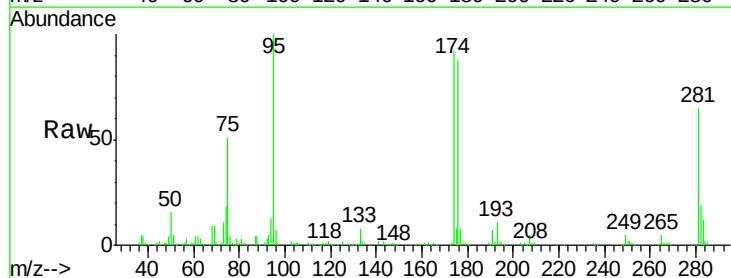
Manual Integrations
 APPROVED

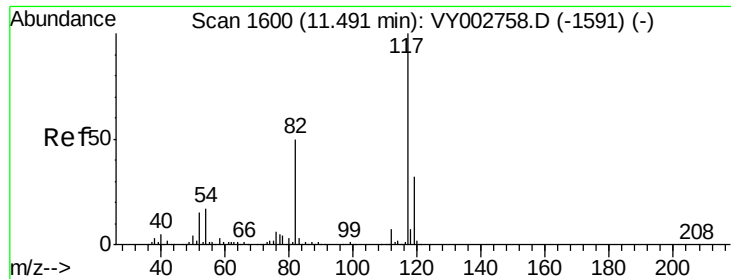
MMDadoda
 5/28/2020 2:08:35 PM



#62
 4-Bromofluorobenzene
 Concen: 20.577 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion: 95 Resp: 70026
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 191.2
 176 94.6 0.0 188.8





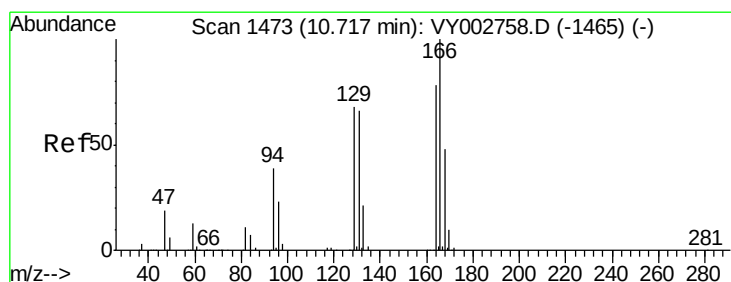
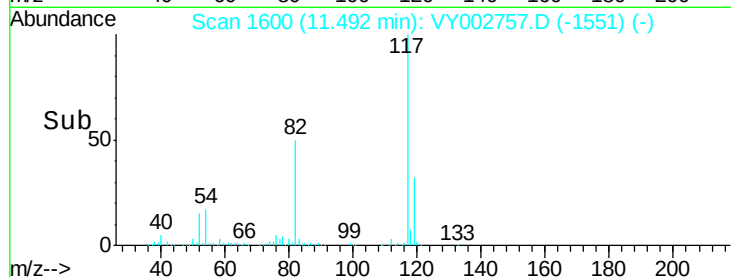
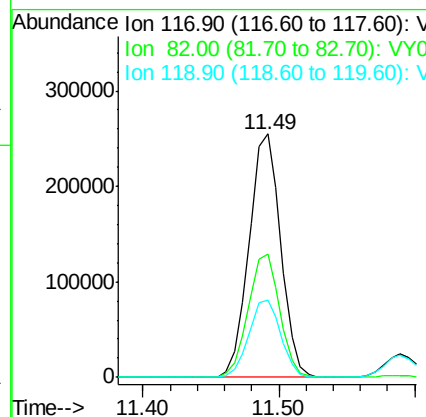
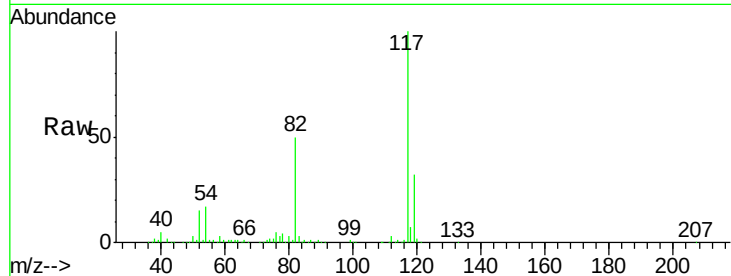
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	414930		
82	50.5		40.2	60.4
119	32.0		25.8	38.8

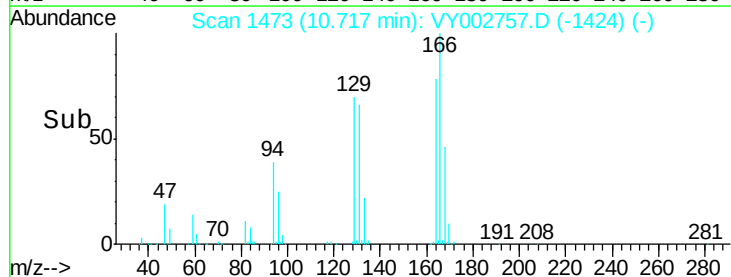
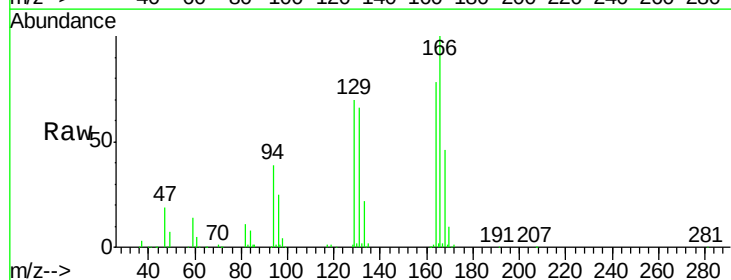
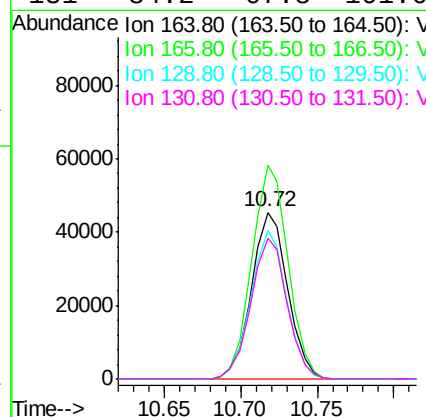
Manual Integrations
APPROVED

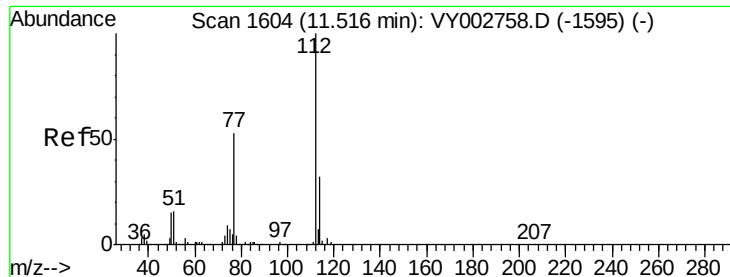
MMDadoda
5/28/2020 2:08:35 PM



#64
Tetrachloroethene
Concen: 19.155 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74559		
166	127.9		102.3	153.5
129	89.1		69.4	104.2
131	84.2		67.8	101.6





#65

Chlorobenzene

Concen: 19.984 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 160149

Ion Ratio Lower Upper

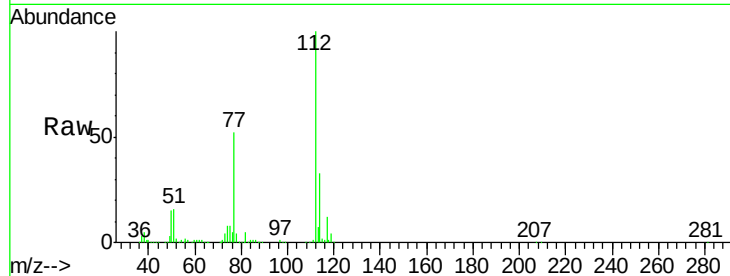
112 100

114 32.5 25.7 38.5

Manual Integrations
APPROVED

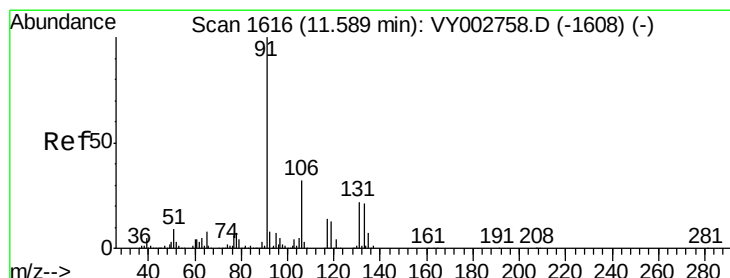
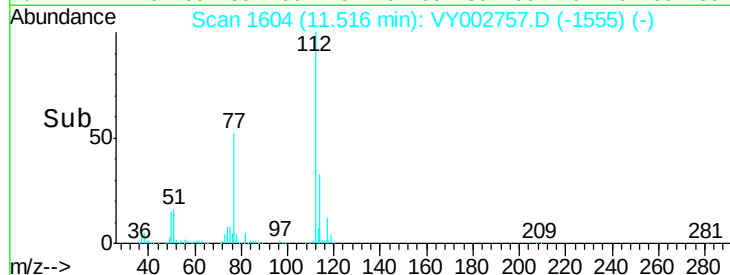
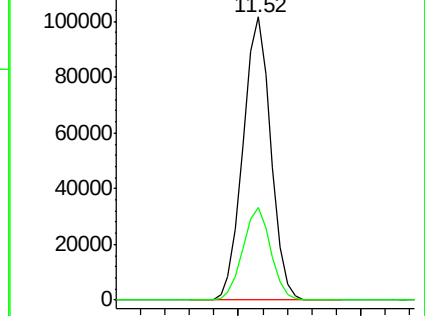
MMDadoda

5/28/2020 2:08:35 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.029 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

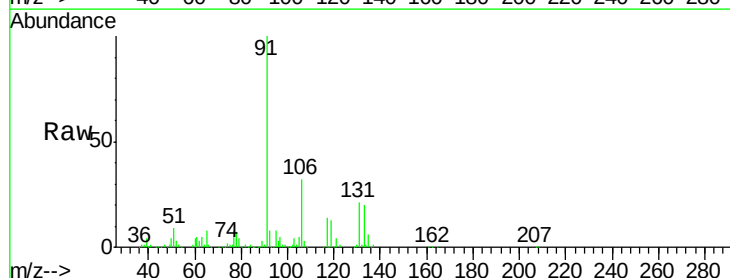
Tgt Ion:131 Resp: 59796

Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.8

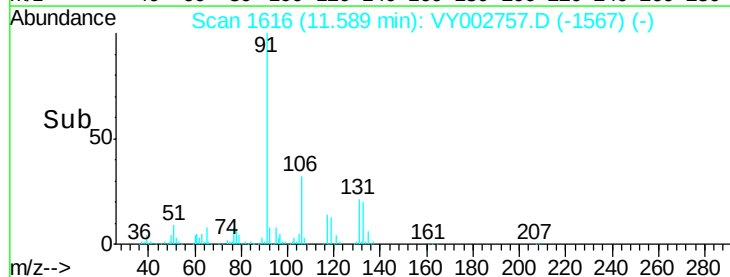
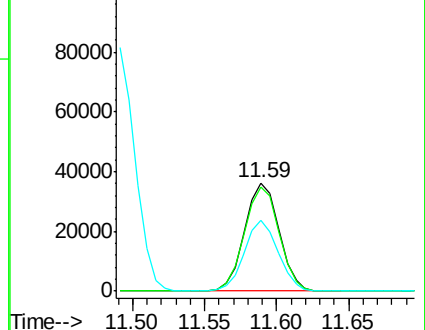
119 63.7 31.7 95.1

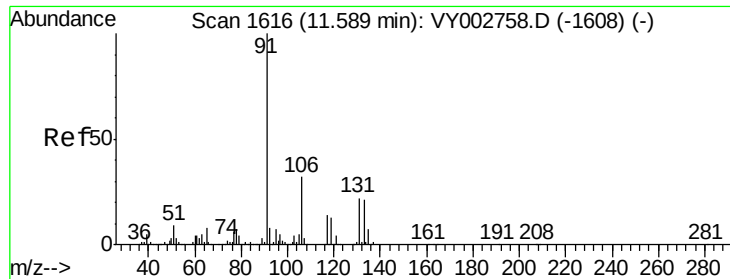


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.789 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 277760

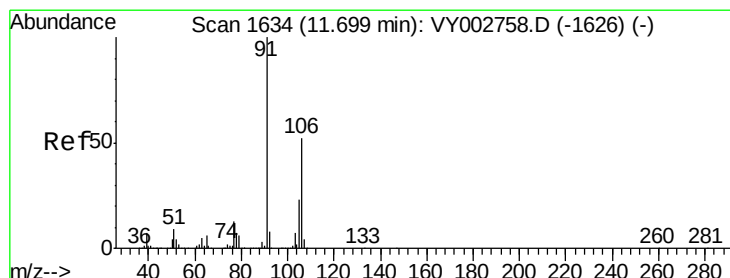
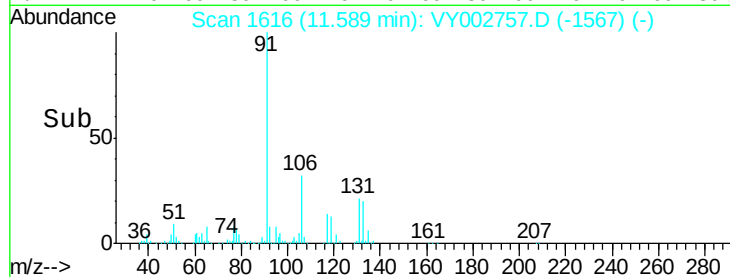
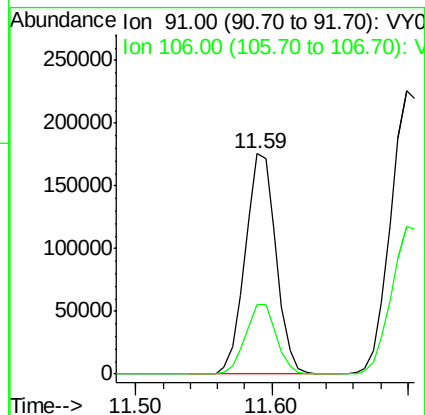
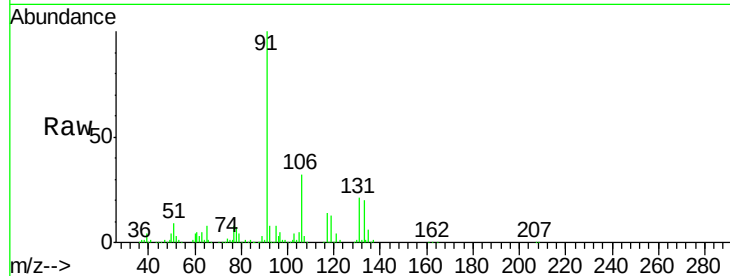
Ion Ratio Lower Upper

91 100

106 31.7 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.749 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002757.D

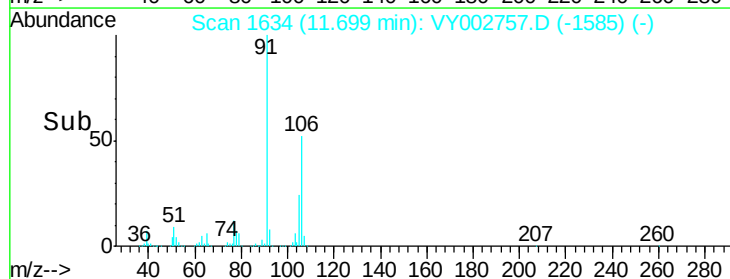
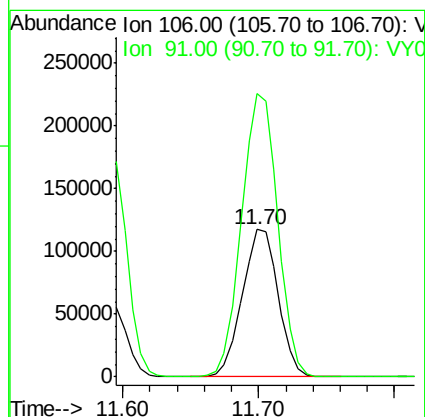
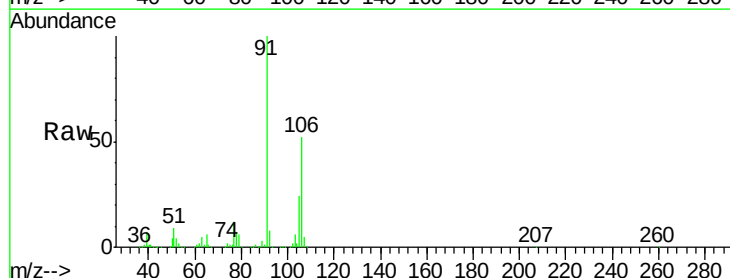
Acq: 27 May 2020 11:50

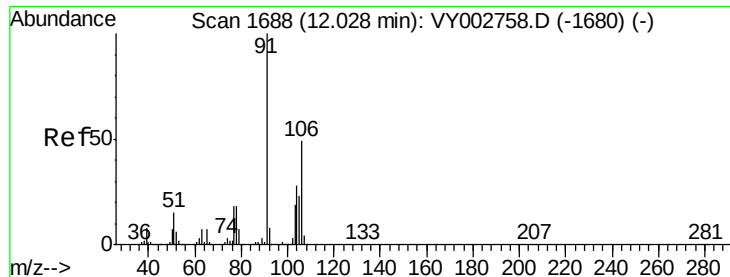
Tgt Ion: 106 Resp: 217113

Ion Ratio Lower Upper

106 100

91 193.1 156.0 234.0





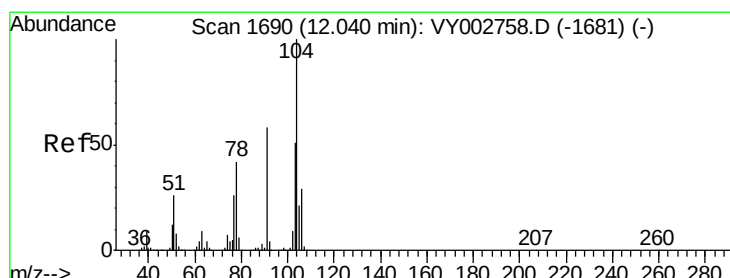
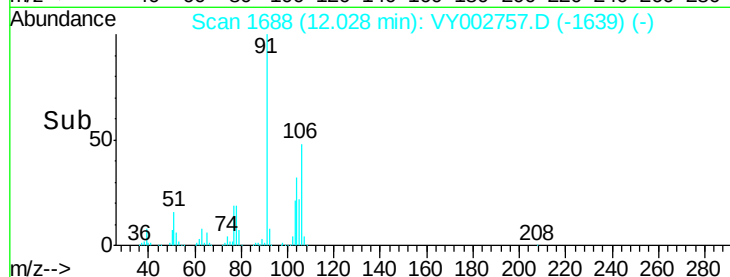
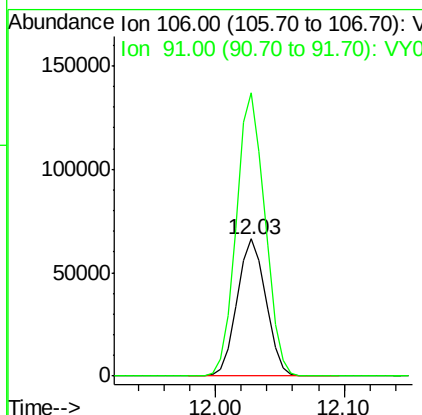
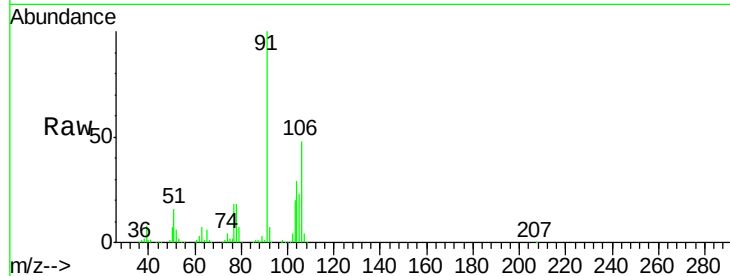
#69
o-Xylene
Concen: 20.022 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	102.4	307.1

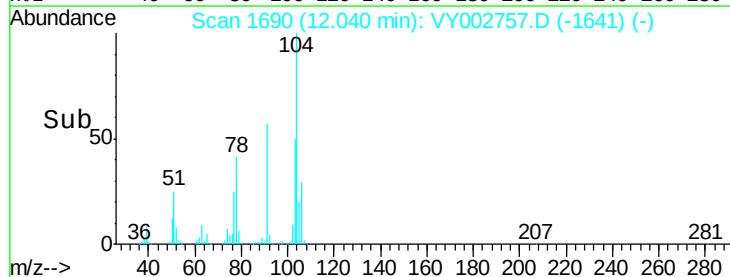
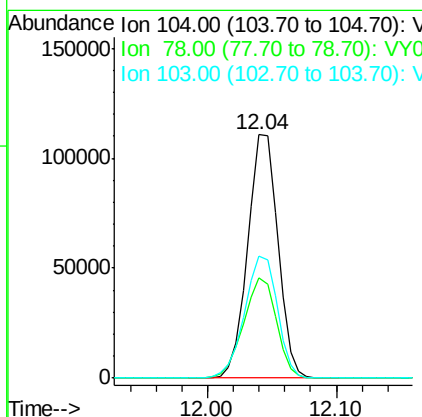
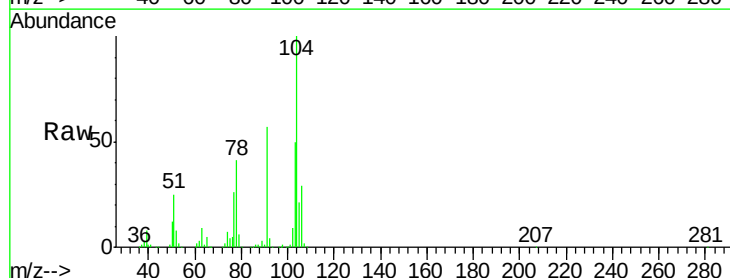
Manual Integrations
APPROVED

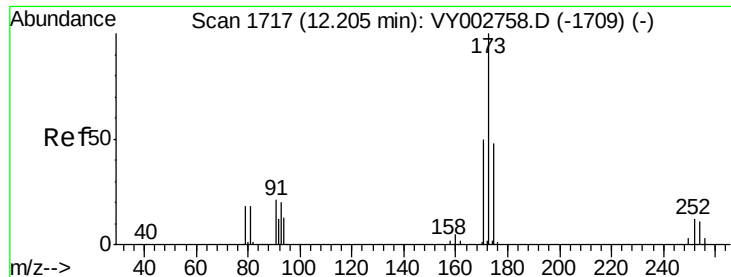
MMDadoda
5/28/2020 2:08:35 PM



#70
Styrene
Concen: 20.264 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.0	36.2	54.4
103	54.5	43.6	65.4





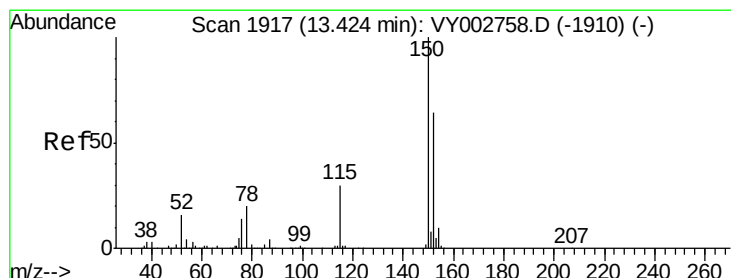
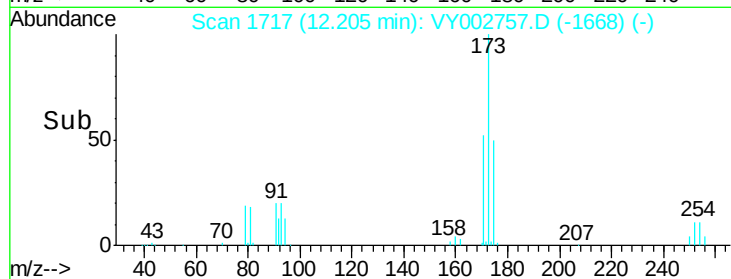
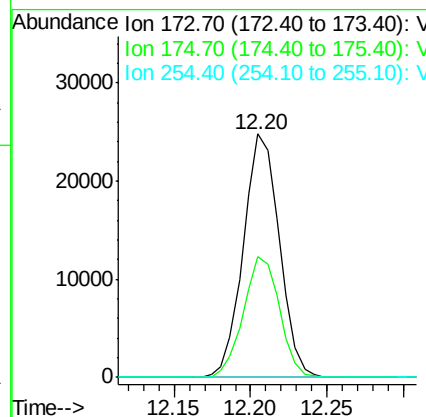
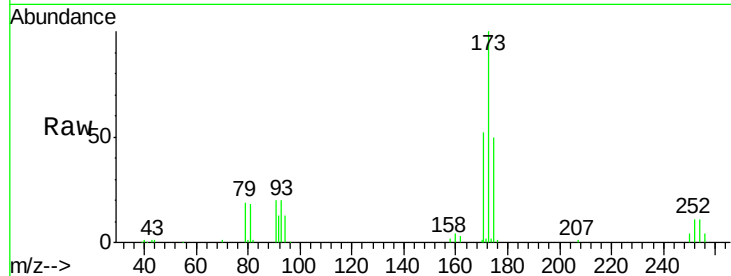
#71
Bromoform
Concen: 21.773 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	72.8
254	0.0	0.1	0.1#

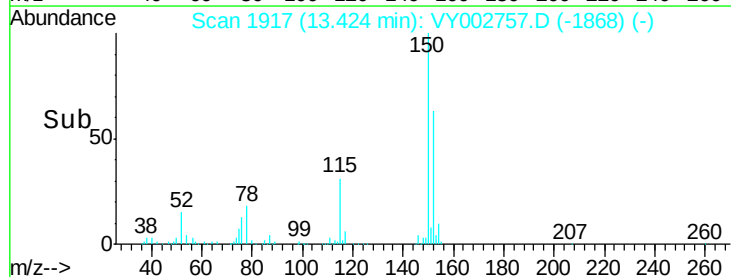
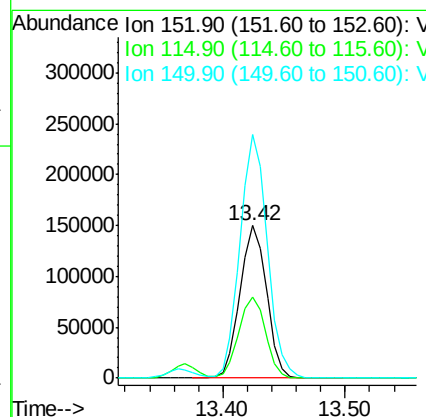
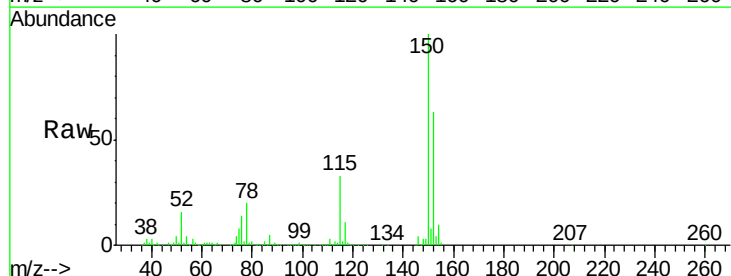
Manual Integrations
APPROVED

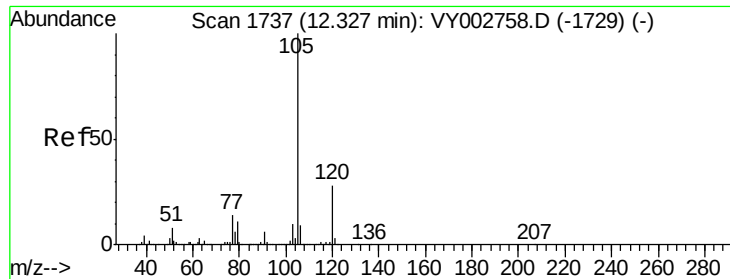
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	163.9	0.0	344.8





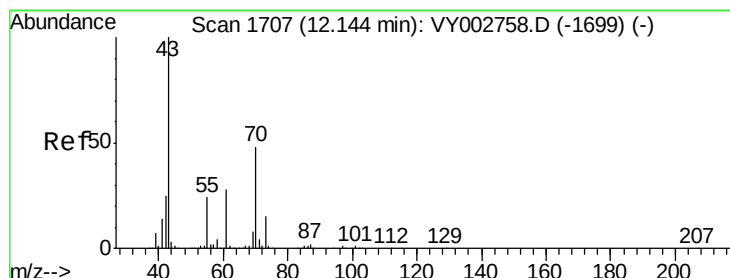
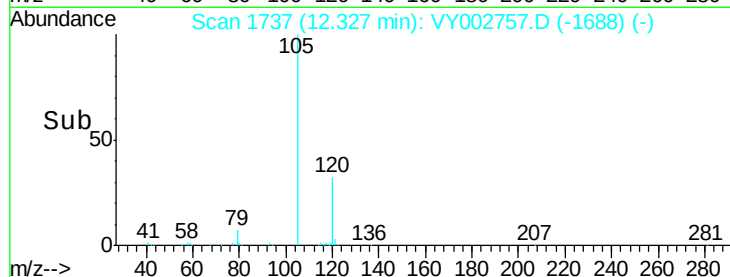
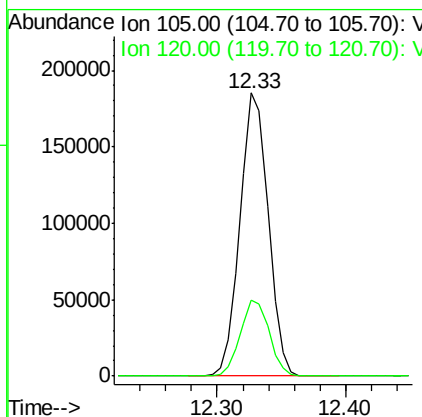
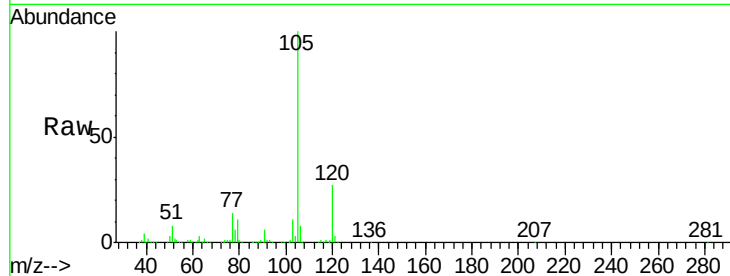
#73
Isopropylbenzene
Concen: 19.146 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.7	41.1

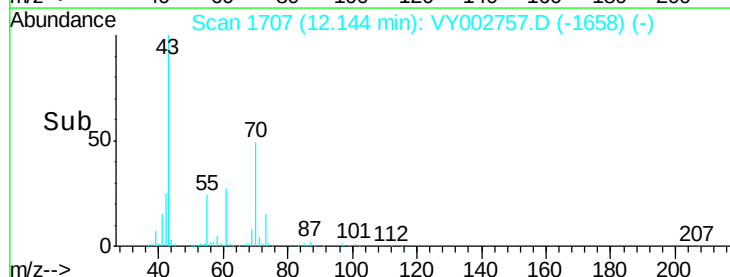
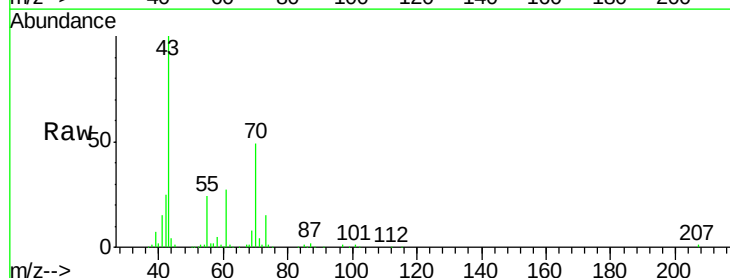
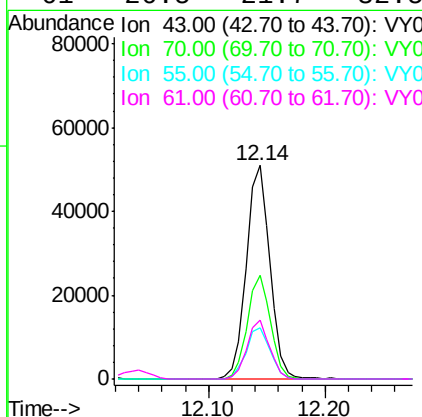
Manual Integrations
APPROVED

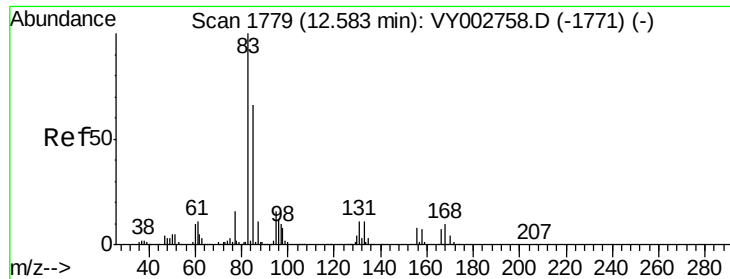
MMDadoda
5/28/2020 2:08:35 PM



#74
N-ethyl acetate
Concen: 20.727 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.7	56.5
55	24.8	19.8	29.6
61	26.5	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.375 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

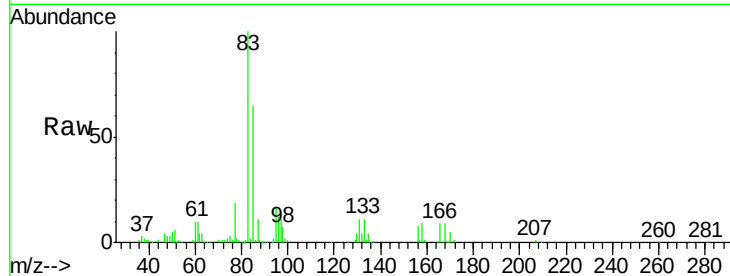
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	49773
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.3	32.6	98.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY002757.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY002757.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY002757.D (-1730) (-)

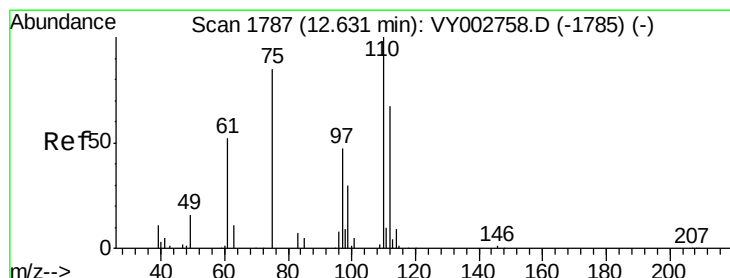
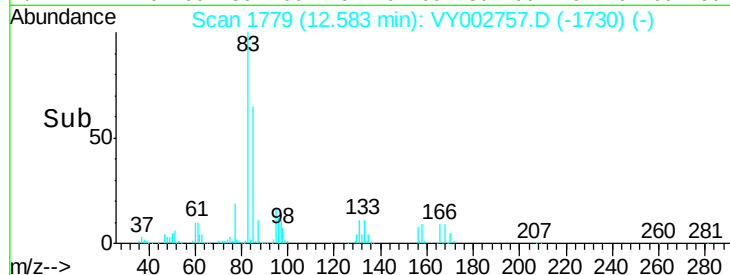
12.58

30000

20000

10000

Time--> 12.50 12.55 12.60



#76

1,2,3-Trichloropropane

Concen: 21.362 ug/l m

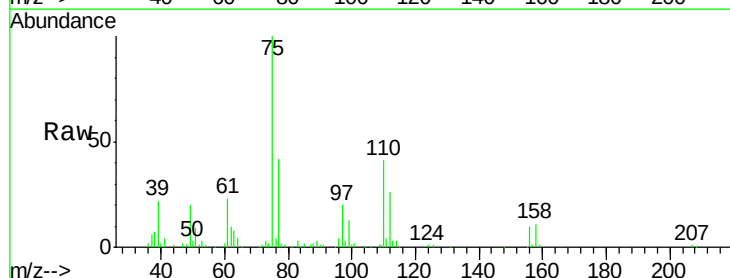
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	75	Resp:	39899
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002757.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002757.D (-1738) (-)

12.63

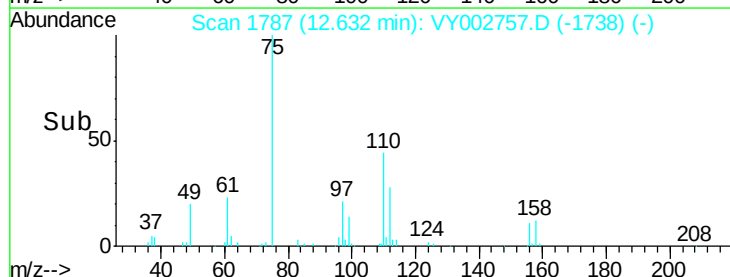
80000

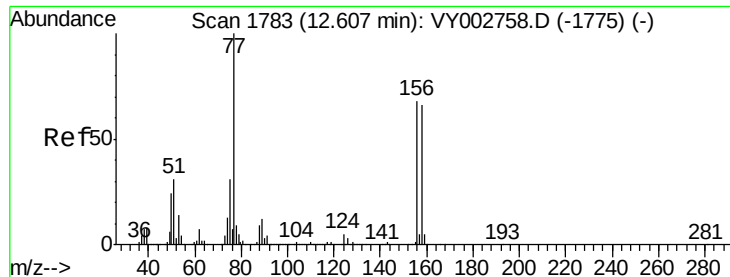
60000

40000

20000

Time--> 12.60 12.62 12.64 12.66





#77

Bromobenzene

Concen: 19.702 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

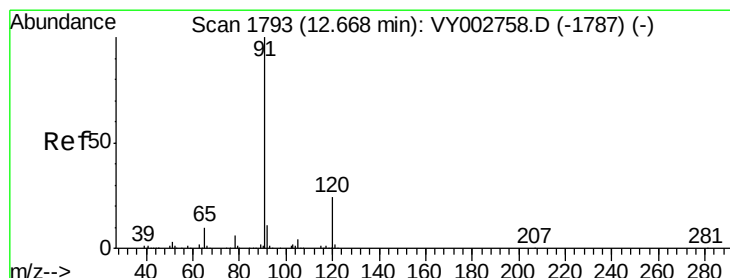
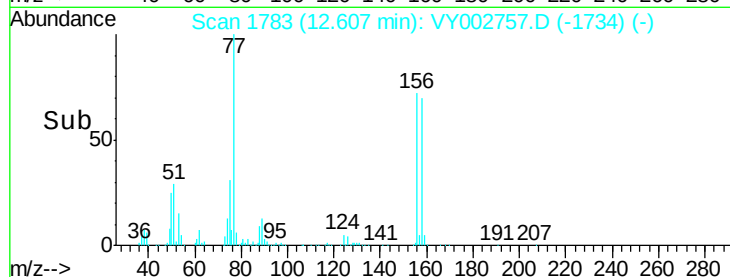
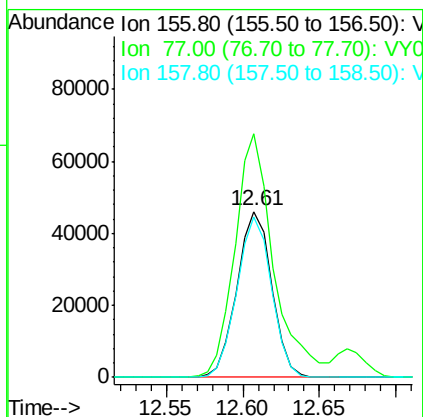
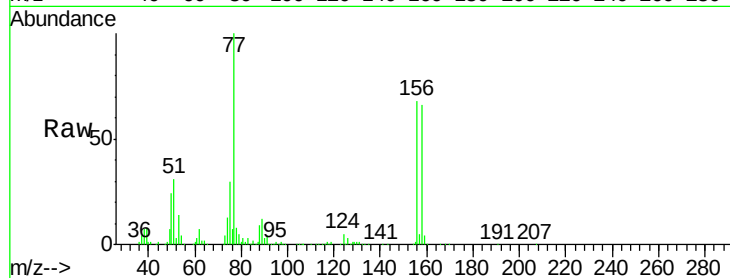
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.0	81.4	244.2
158	96.5	48.5	145.6

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#78

n-propylbenzene

Concen: 18.881 ug/l

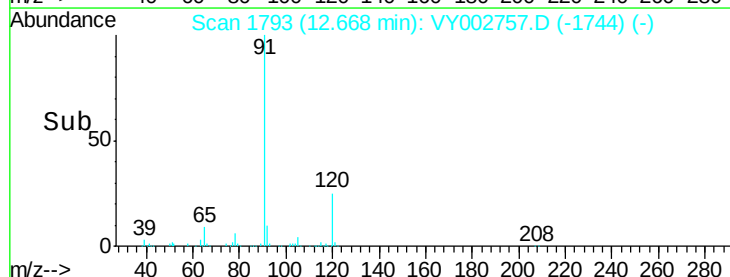
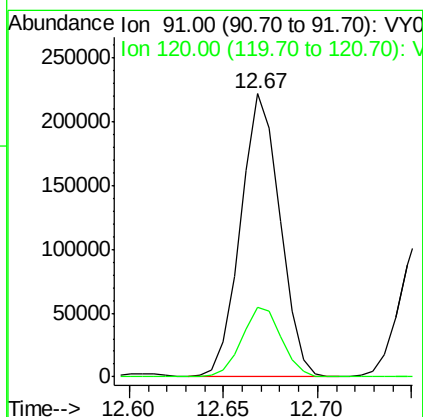
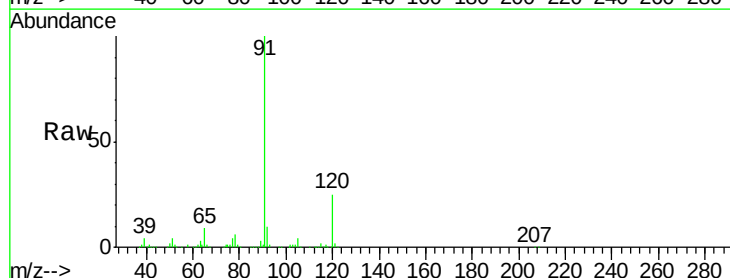
RT: 12.67 min Scan# 1793

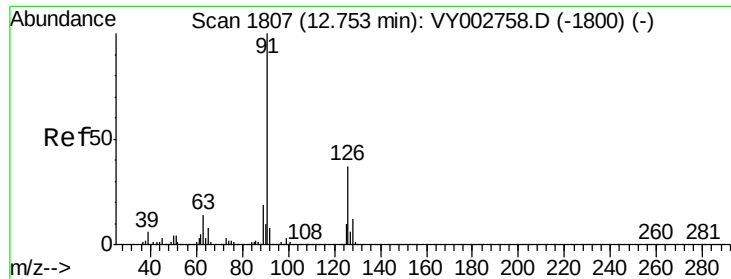
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.9





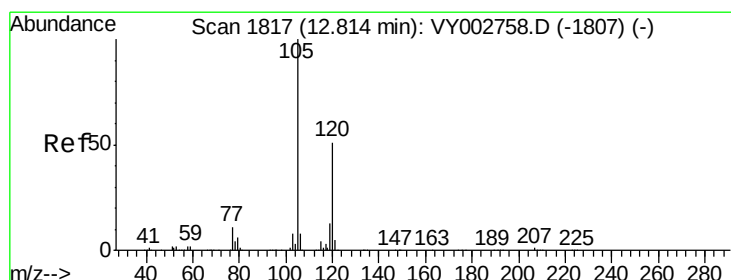
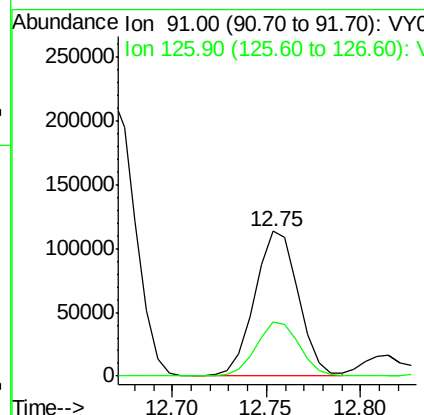
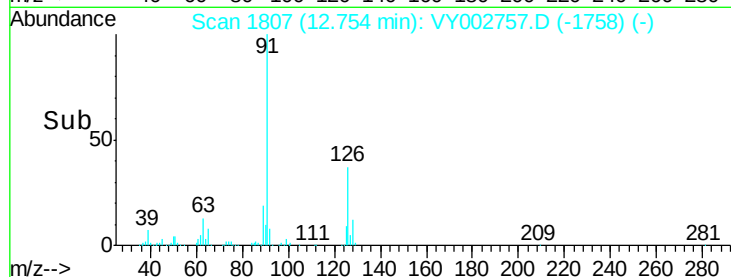
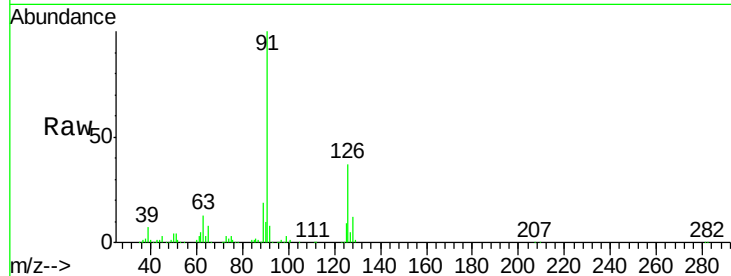
#79
 2-Chlorotoluene
 Concen: 19.234 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 182040
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.4

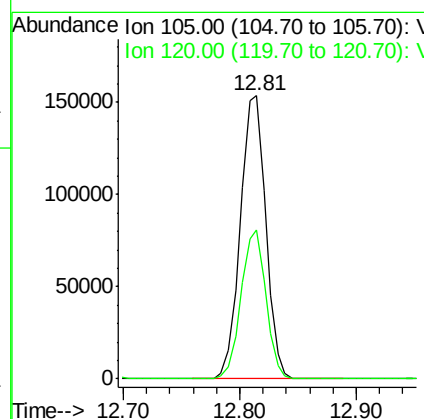
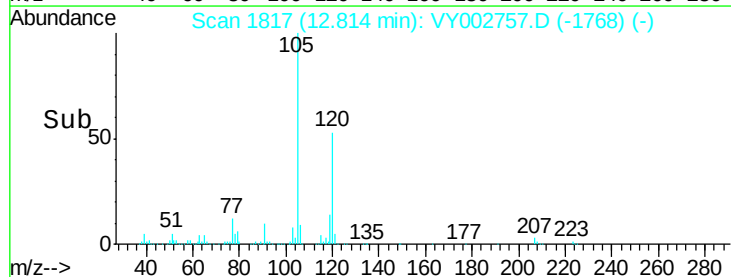
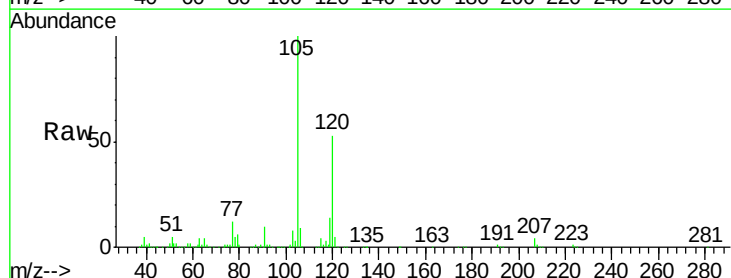
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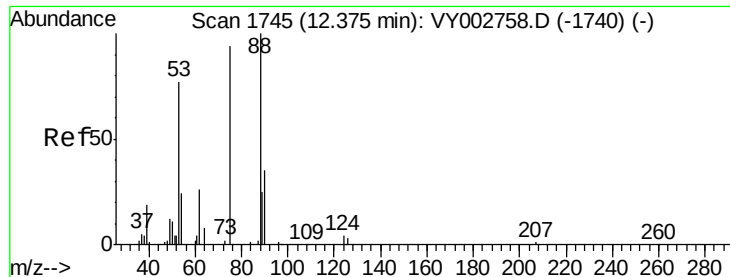
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.081 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion: 105 Resp: 234953
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.793 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

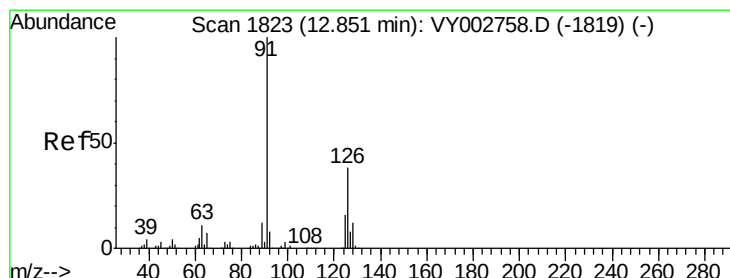
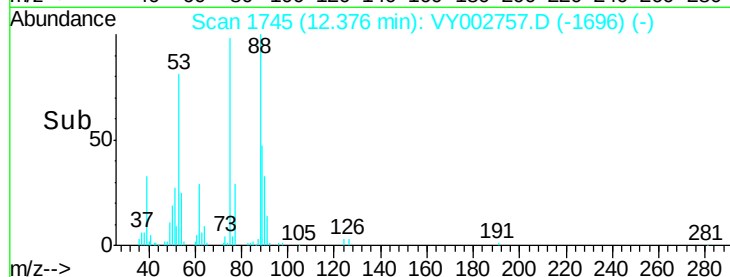
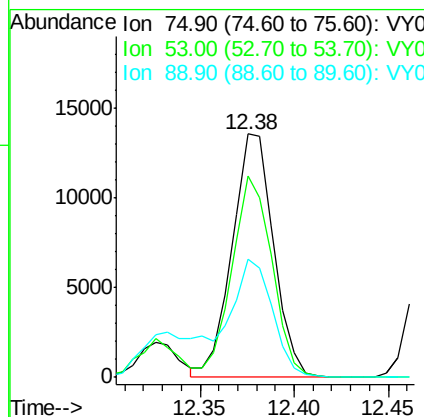
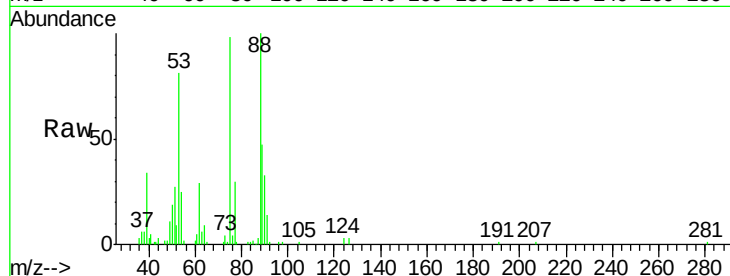
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20712
Ion	Ratio	Lower	Upper
75	100		
53	79.4	64.0	96.0
89	46.6	37.4	56.2

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#82

4-Chlorotoluene

Concen: 19.074 ug/l

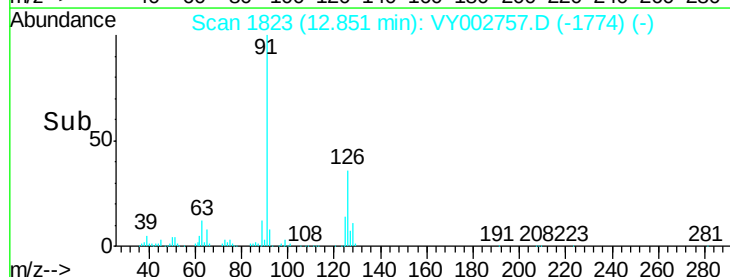
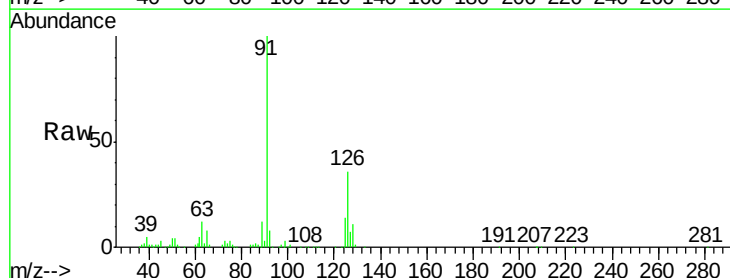
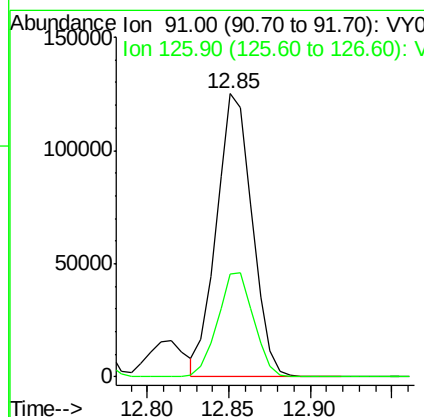
RT: 12.85 min Scan# 1823

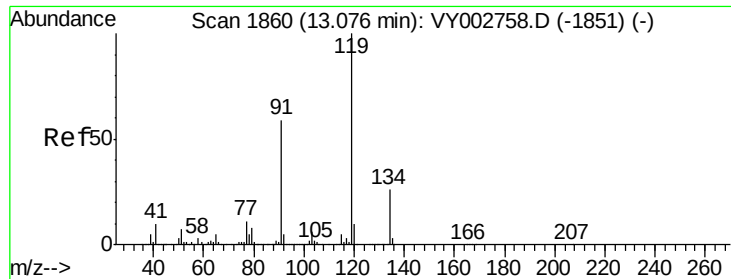
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	91	Resp:	189680
Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.5	55.5





#83

tert-Butylbenzene

Concen: 19.219 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

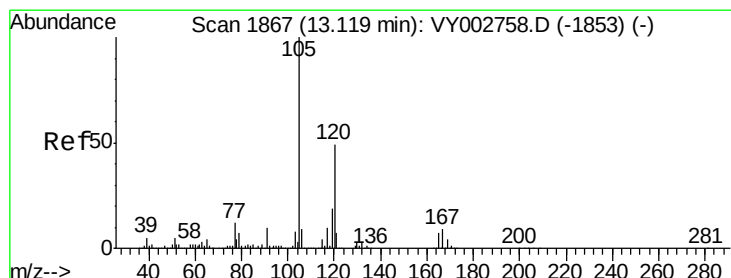
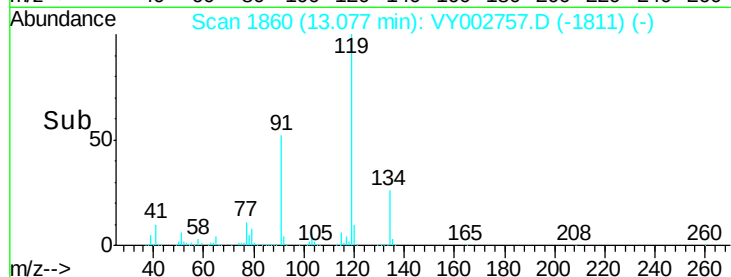
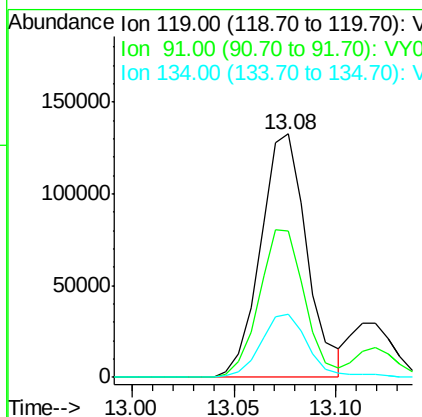
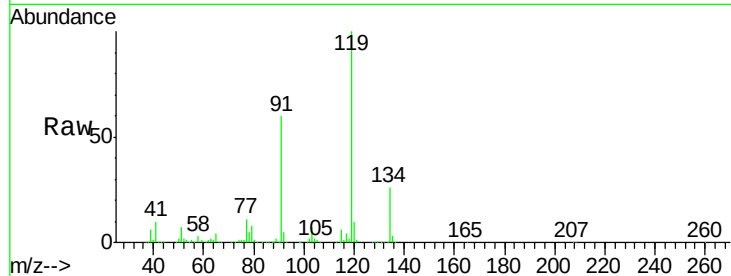
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	209995
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.8	89.4
134	26.8	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.243 ug/l

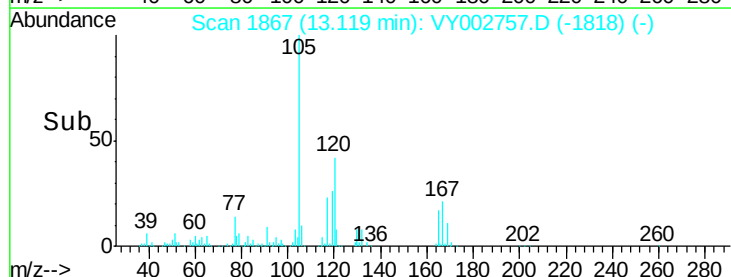
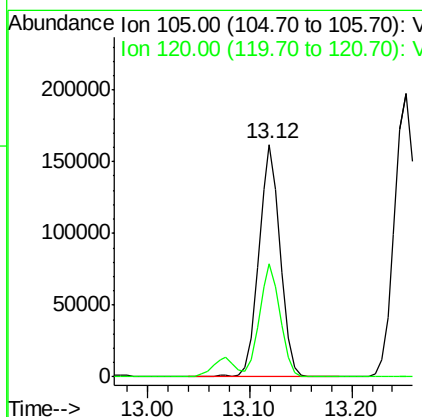
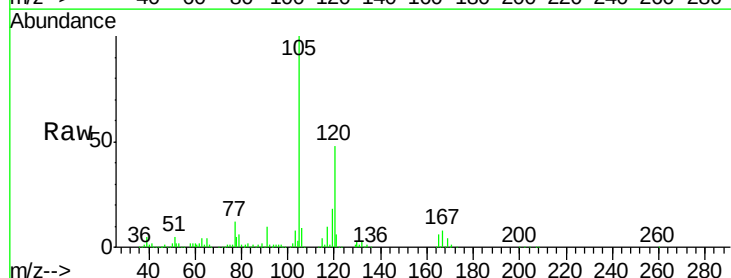
RT: 13.12 min Scan# 1867

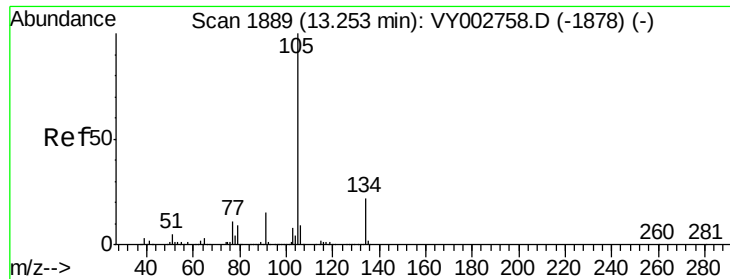
Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	105	Resp:	237186
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.6	70.8





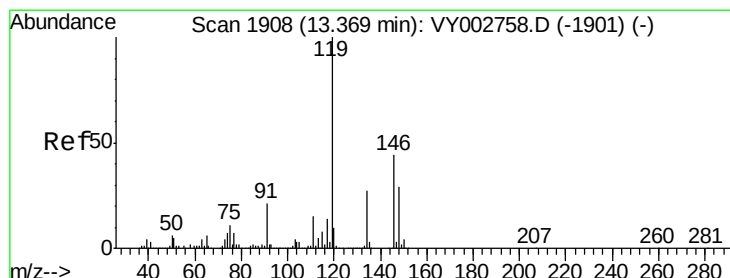
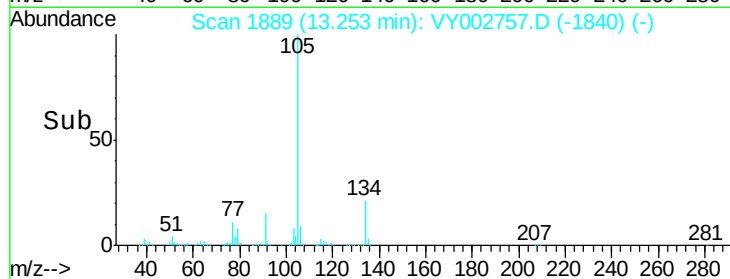
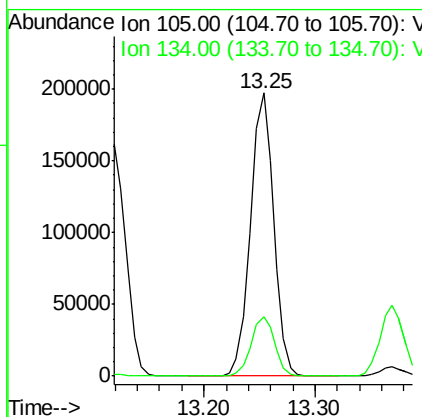
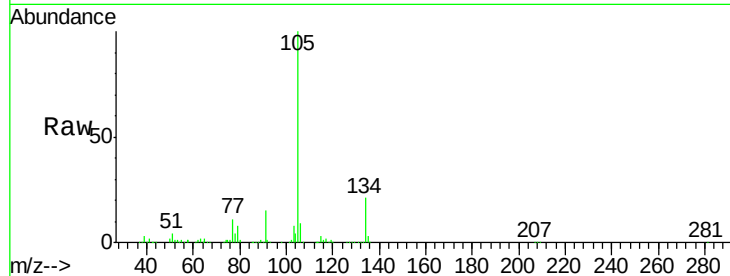
#85
 sec-Butylbenzene
 Concen: 19.055 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	286590		
134	21.4	10.8	32.4	

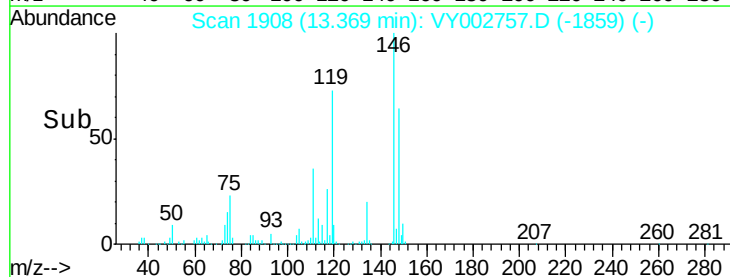
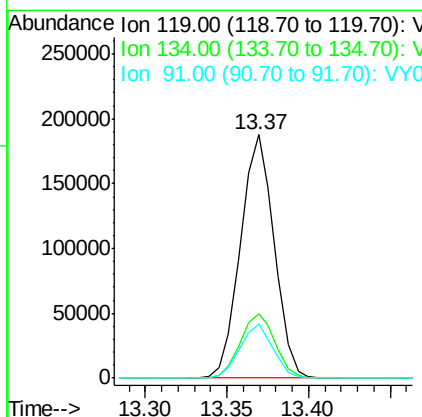
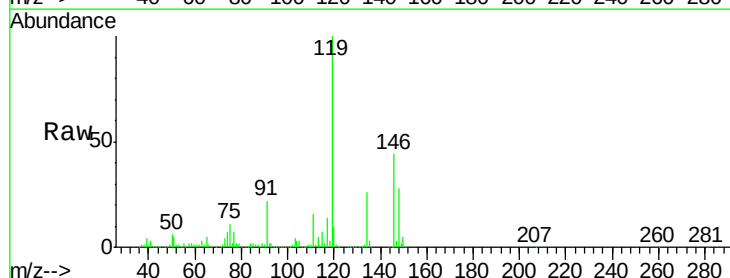
Manual Integrations
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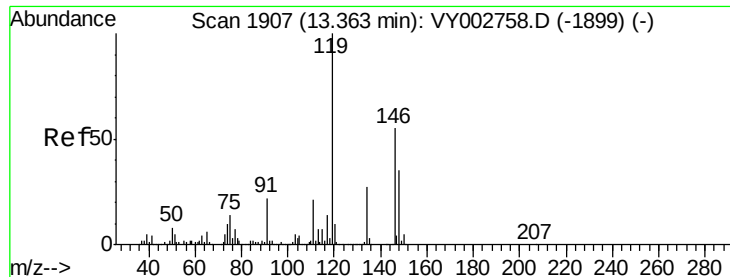
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#86
 p-Isopropyltoluene
 Concen: 19.198 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	269932		
134	27.1	13.7	41.0	
91	21.6	10.8	32.4	





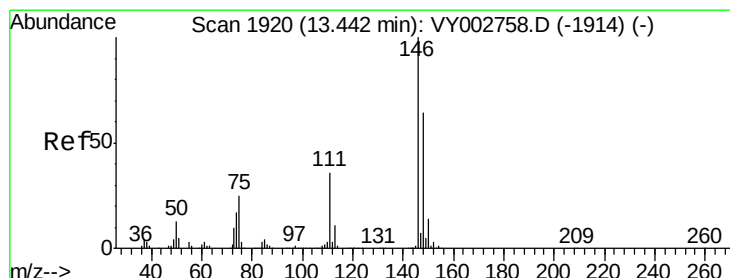
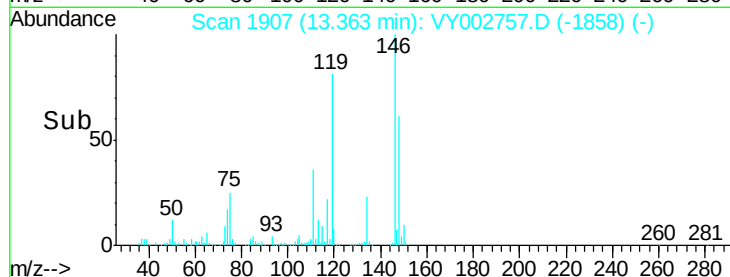
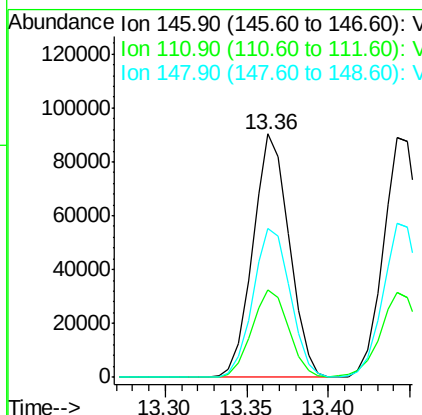
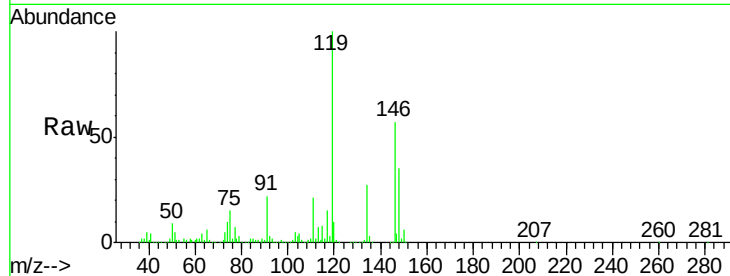
#87
 1,3-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.0
148	63.0	31.9	95.7

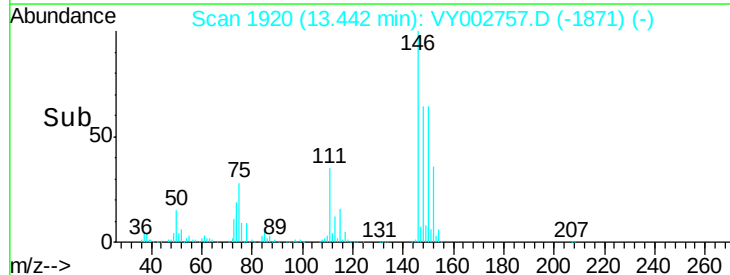
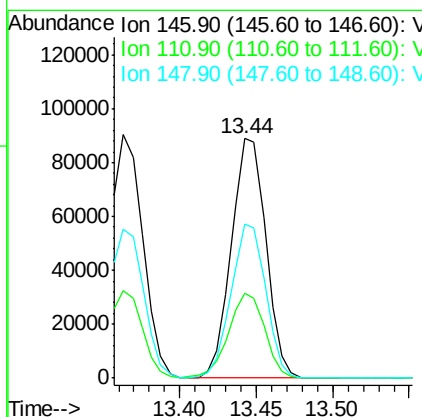
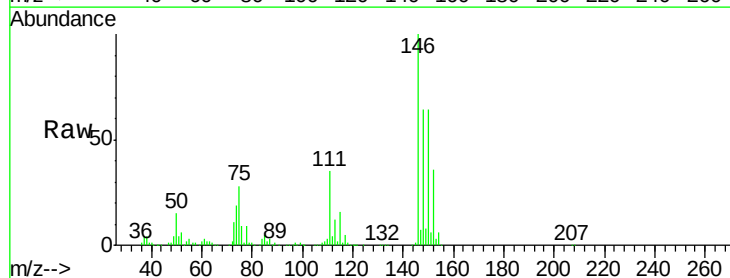
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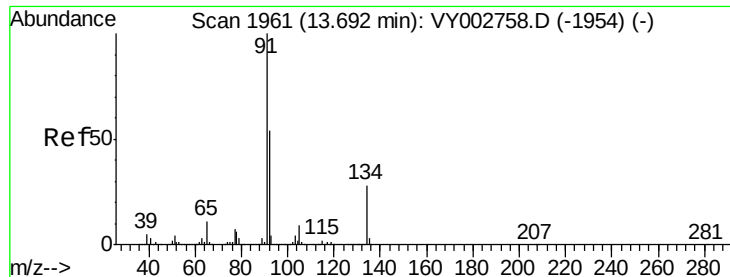
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#88
 1,4-Dichlorobenzene
 Concen: 19.726 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.3
148	64.5	32.1	96.3





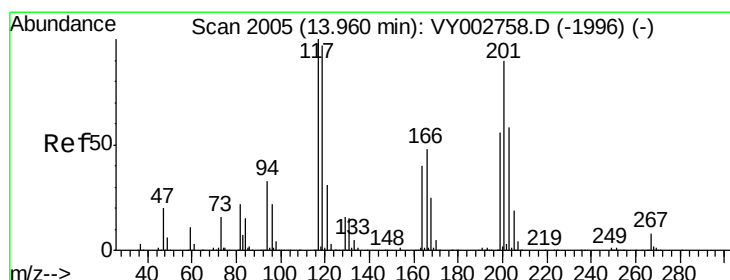
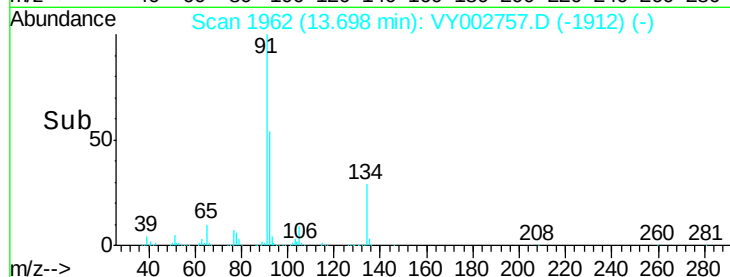
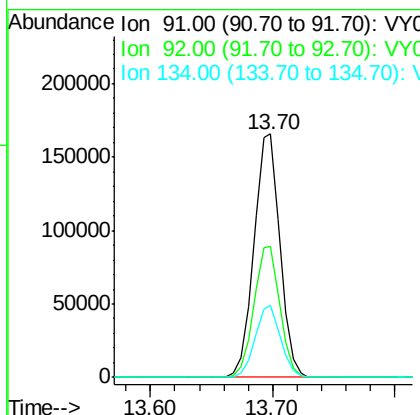
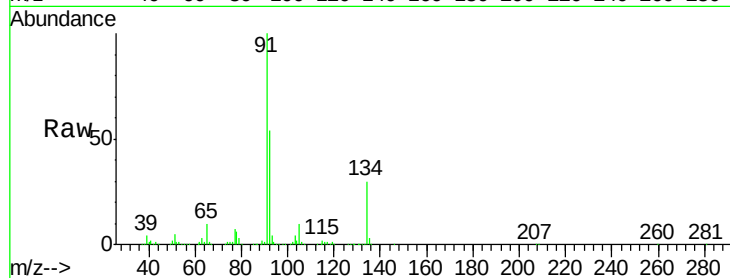
#89
n-Butylbenzene
Concen: 19.045 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	28.9	14.3	42.9

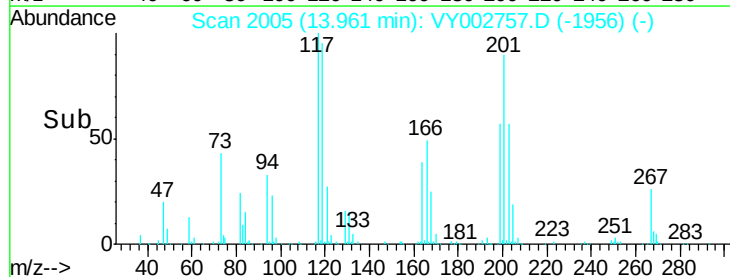
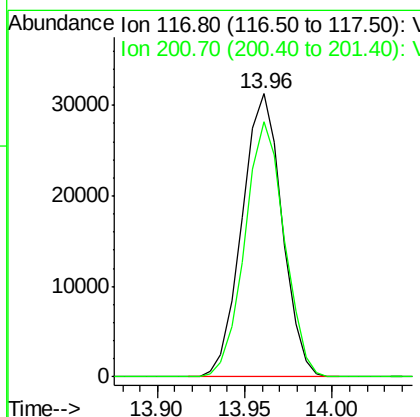
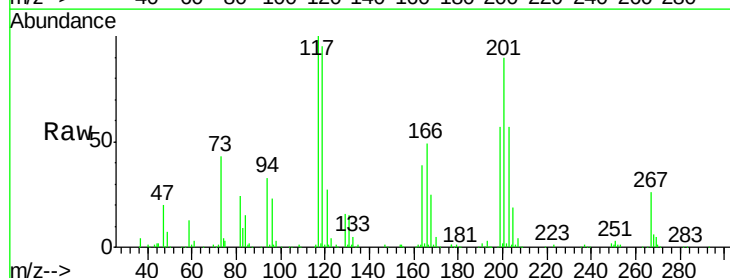
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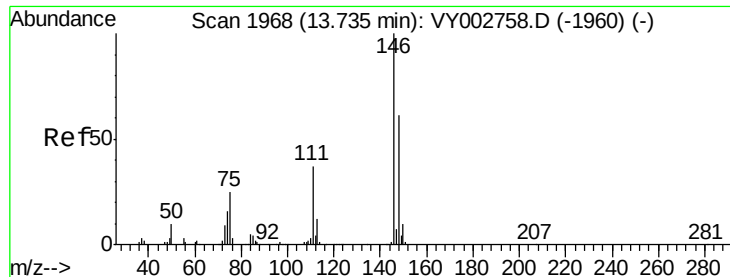
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#90
Hexachloroethane
Concen: 19.112 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002757.D
Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	43.9	131.6





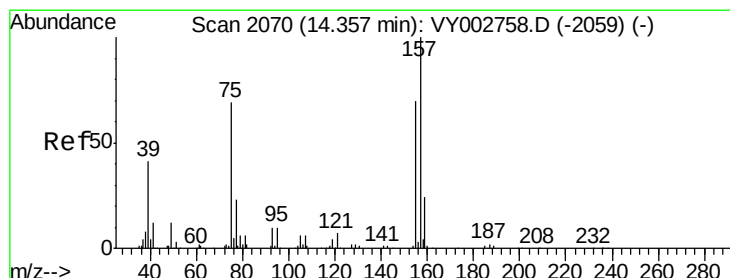
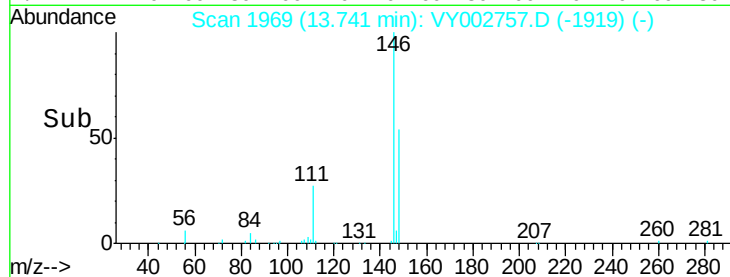
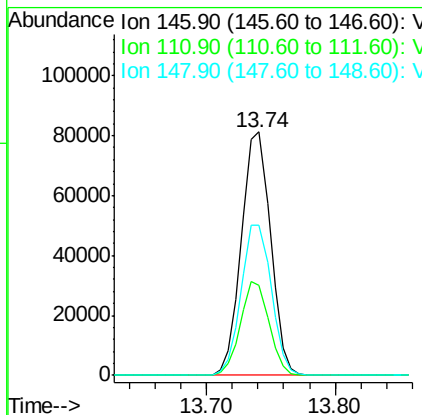
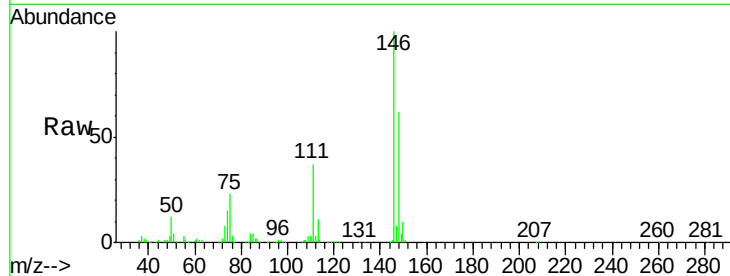
#91
 1,2-Dichlorobenzene
 Concen: 19.947 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.9	31.9	95.5

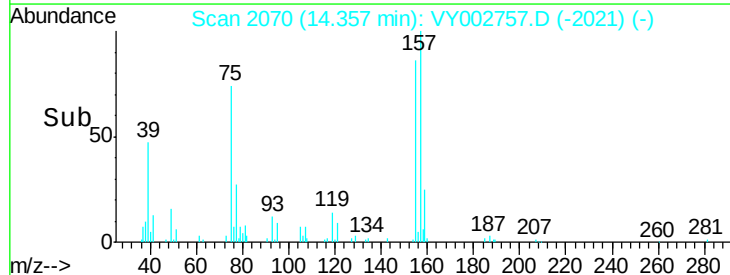
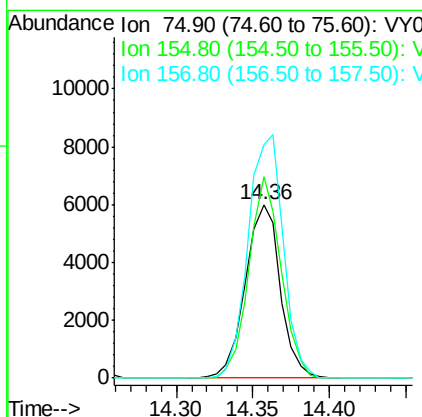
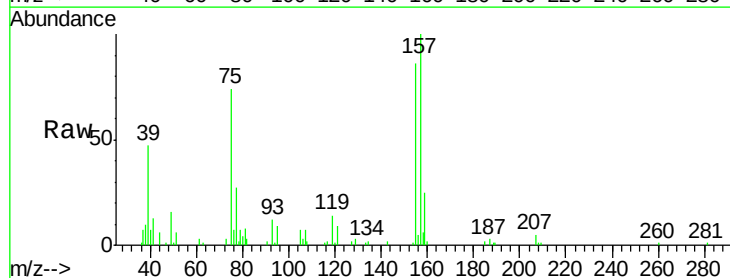
Manual Integrations
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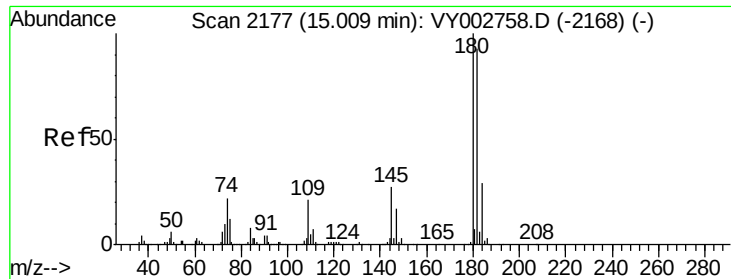
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 5/28/2020 2:08:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.261 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.3	53.5	160.5
157	141.8	69.9	209.7





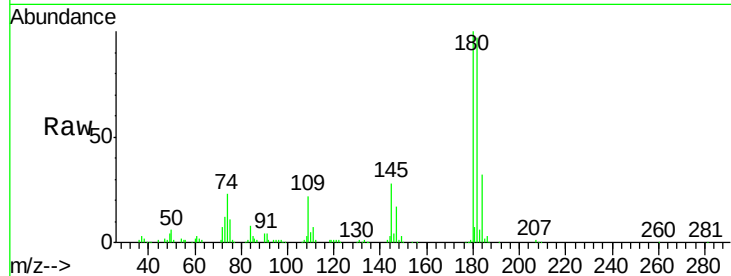
#93
 1,2,4-Trichlorobenzene
 Concen: 19.467 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

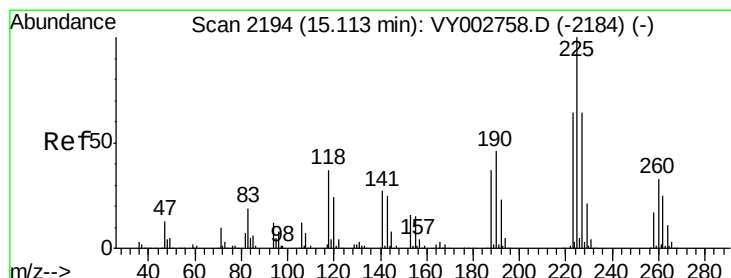
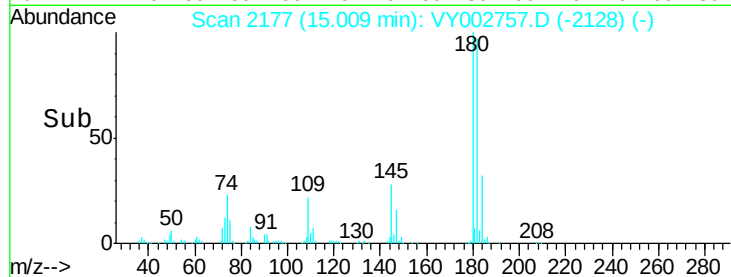
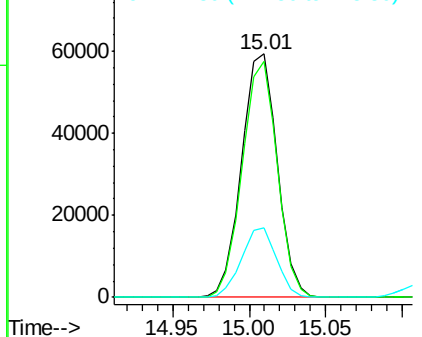
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	28.1	14.1	42.3

Manual Integrations
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MMDadoda
 5/28/2020 2:08:35 PM

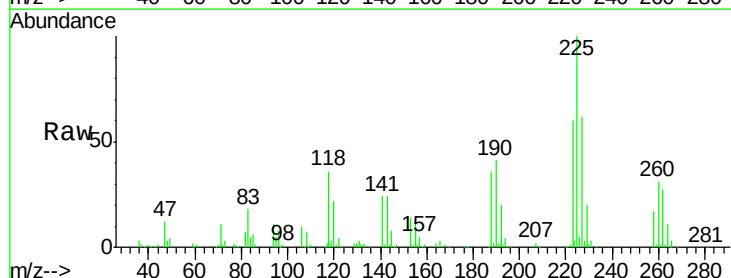


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

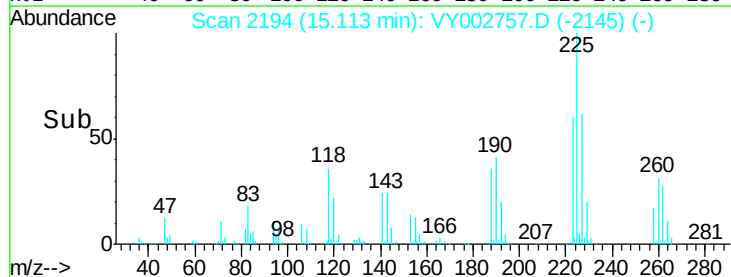
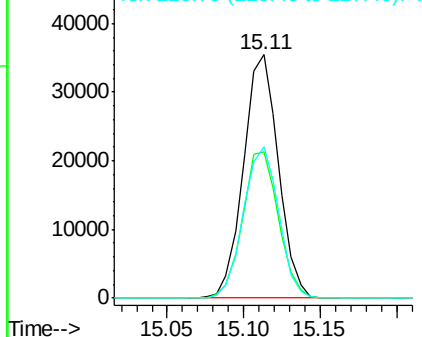


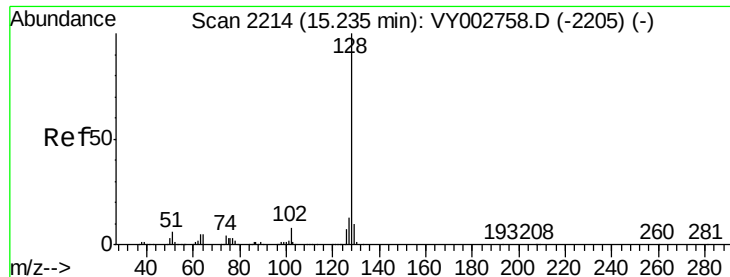
#94
 Hexachlorobutadiene
 Concen: 18.896 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002757.D
 Acq: 27 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.6	95.0
227	62.6	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.347 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Instrument :

MSVOA_Y

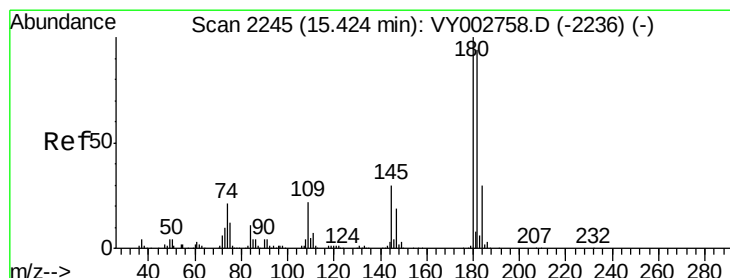
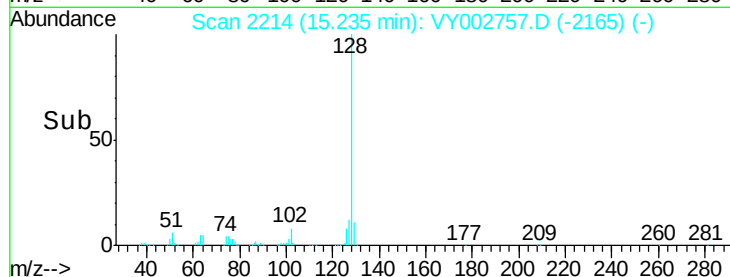
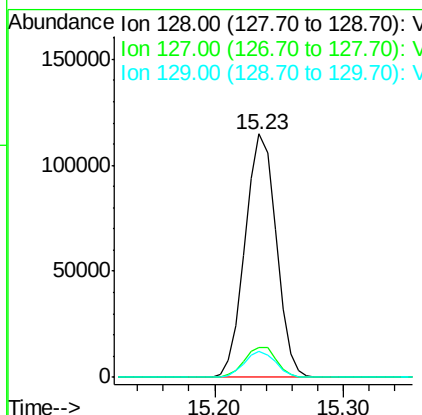
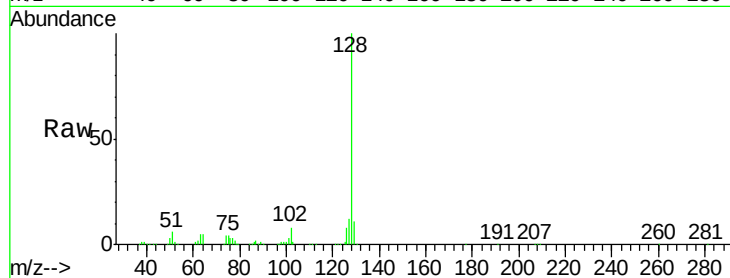
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	191365
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.657 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002757.D

Acq: 27 May 2020 11:50

Tgt Ion:	180	Resp:	84897
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.4
145	30.5	15.1	45.3

