

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002934.D
 Acq On : 19 Jun 2020 13:15
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 6/22/2020 2:06:50 PM

Quant Time: Jun 19 14:30:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 14:17:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	347703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	513265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	485386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	258177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	27945	9.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.26%	
35) Dibromofluoromethane	7.72	113	28588	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
50) Toluene-d8	10.18	98	110830	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	
62) 4-Bromofluorobenzene	12.48	95	38760	9.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	20042	9.085	ug/l 99
3) Chloromethane	2.12	50	22963	9.076	ug/l 97
4) Vinyl Chloride	2.26	62	25172	9.400	ug/l 96
5) Bromomethane	2.65	94	19621	9.573	ug/l 98
6) Chloroethane	2.80	64	16380	9.406	ug/l 94
7) Trichlorofluoromethane	3.13	101	46525	9.562	ug/l 99
8) Diethyl Ether	3.54	74	17174	9.845	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	28702	9.784	ug/l 97
10) Methyl Iodide	4.10	142	35556	9.145	ug/l 100
11) Tert butyl alcohol	4.96	59	19582	52.596	ug/l # 90
12) 1,1-Dichloroethene	3.88	96	27404	9.476	ug/l 94
13) Acrolein	3.74	56	13833	49.577	ug/l 100
14) Allyl chloride	4.49	41	40521	9.731	ug/l 99
15) Acrylonitrile	5.18	53	43284	51.443	ug/l 99
16) Acetone	3.96	43	34585	48.654	ug/l 99
17) Carbon Disulfide	4.20	76	74104	8.903	ug/l 99
18) Methyl Acetate	4.49	43	21516	9.545	ug/l 99
19) Methyl tert-butyl Ether	5.23	73	78843	10.017	ug/l 97
20) Methylene Chloride	4.72	84	43599	8.278	ug/l 97
21) trans-1,2-Dichloroethene	5.23	96	30415	9.467	ug/l 98
22) Diisopropyl ether	6.13	45	86131	9.996	ug/l 96
23) Vinyl Acetate	6.07	43	274173	50.739	ug/l 98
24) 1,1-Dichloroethane	6.03	63	50047	9.862	ug/l 98
25) 2-Butanone	7.00	43	54716	51.235	ug/l 96
26) 2,2-Dichloropropane	6.99	77	48262	10.014	ug/l 98
27) cis-1,2-Dichloroethene	6.99	96	35766	9.924	ug/l 98
28) Bromochloromethane	7.35	49	20421	9.678	ug/l 99
29) Tetrahydrofuran	7.35	42	35155	51.047	ug/l 99
30) Chloroform	7.52	83	52744	9.917	ug/l 98
31) Cyclohexane	7.79	56	47515	9.481	ug/l # 92
32) 1,1,1-Trichloroethane	7.71	97	47398	9.716	ug/l 99
36) 1,1-Dichloropropene	7.93	75	39836	9.578	ug/l 100
37) Ethyl Acetate	7.08	43	23980	10.255	ug/l 98
38) Carbon Tetrachloride	7.91	117	44424	9.720	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	50887	9.385	ug/l	98
40) Benzene	8.17	78	119882	9.643	ug/l	99
41) Methacrylonitrile	7.32	41	11395	5.389	ug/l #	45
42) 1,2-Dichloroethane	8.24	62	33988	9.831	ug/l	99
43) Isopropyl Acetate	8.28	43	42669	9.961	ug/l	100
44) Trichloroethene	8.94	130	37360	9.671	ug/l	99
45) 1,2-Dichloropropane	9.22	63	30312	10.111	ug/l	97
46) Dibromomethane	9.31	93	17557	9.811	ug/l	98
47) Bromodichloromethane	9.50	83	41477	10.021	ug/l #	98
48) Methyl methacrylate	9.30	41	18890	9.915	ug/l	99
49) 1,4-Dioxane	9.31	88	4785	185.085	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	117108	51.179	ug/l	100
52) Toluene	10.25	92	78516	9.771	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	44381	9.899	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	50121	9.853	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	26940	10.057	ug/l	99
56) Ethyl methacrylate	10.51	69	34648	9.820	ug/l	97
57) 1,3-Dichloropropane	10.79	76	44682	9.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	87390	49.504	ug/l	99
59) 2-Hexanone	10.83	43	81827	51.171	ug/l	99
60) Dibromochloromethane	10.99	129	33890	10.019	ug/l	100
61) 1,2-Dibromoethane	11.09	107	26953	10.201	ug/l	99
64) Tetrachloroethene	10.72	164	40018	9.738	ug/l	98
65) Chlorobenzene	11.52	112	90022	9.765	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	34003	9.800	ug/l	98
67) Ethyl Benzene	11.59	91	153070	9.675	ug/l	98
68) m/p-Xylenes	11.70	106	118514	19.280	ug/l	100
69) o-Xylene	12.03	106	55970	9.658	ug/l	98
70) Styrene	12.05	104	96645	9.685	ug/l	99
71) Bromoform	12.20	173	23101	9.993	ug/l #	99
73) Isopropylbenzene	12.33	105	155564	9.871	ug/l	99
74) N-amyl acetate	12.14	43	40704	10.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	29788	10.193	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	23228m	6.343	ug/l	
77) Bromobenzene	12.61	156	40341	9.742	ug/l	98
78) n-propylbenzene	12.67	91	181439	9.895	ug/l	99
79) 2-Chlorotoluene	12.75	91	102703	9.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	128605	9.787	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	11560	10.010	ug/l	97
82) 4-Chlorotoluene	12.85	91	107446	9.911	ug/l	99
83) tert-Butylbenzene	13.07	119	116614	9.853	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	130867	9.856	ug/l	100
85) sec-Butylbenzene	13.25	105	159151	9.835	ug/l	99
86) p-Isopropyltoluene	13.37	119	149587	9.893	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	77536	9.860	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	76571	9.710	ug/l	96
89) n-Butylbenzene	13.69	91	135898	9.901	ug/l	99
90) Hexachloroethane	13.96	117	27843	9.958	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	71673	9.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5515	10.063	ug/l	98

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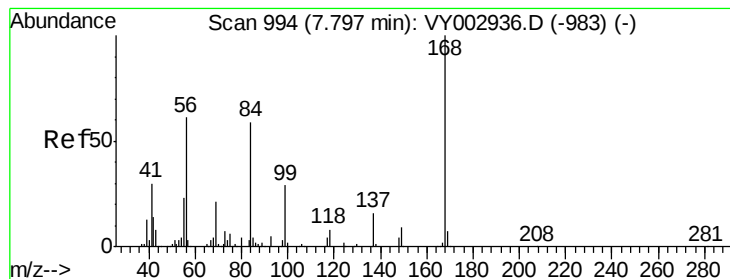
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	53705	9.994	ug/l	100
94) Hexachlorobutadiene	15.11	225	31890	10.152	ug/l	98
95) Naphthalene	15.23	128	104652	9.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	48168	10.060	ug/l	100

(#) = 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: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 347703

Ion Ratio Lower Upper

168 100

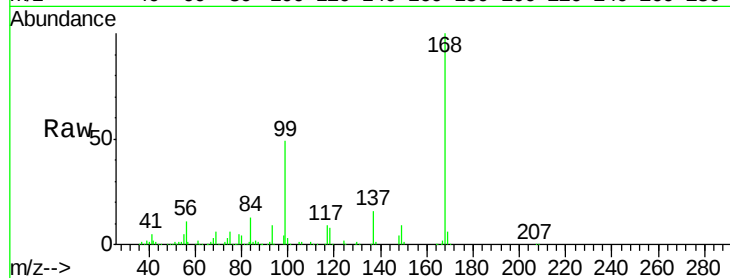
99 49.5 39.5 59.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

7.80

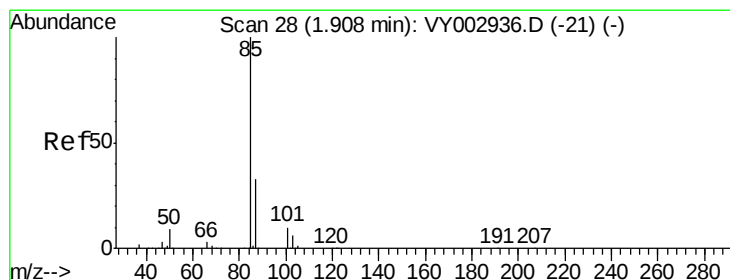
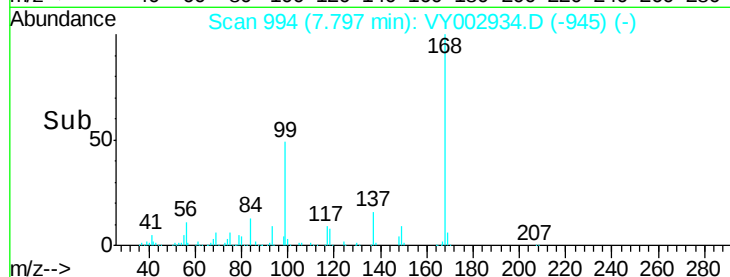
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.085 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002934.D

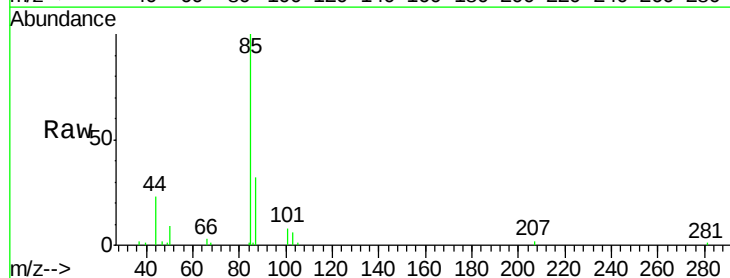
Acq: 19 Jun 2020 13:15

Tgt Ion: 85 Resp: 20042

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY002936.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002936.D (-21) (-)

1.91

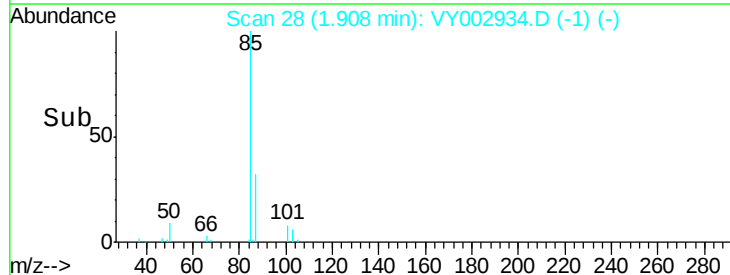
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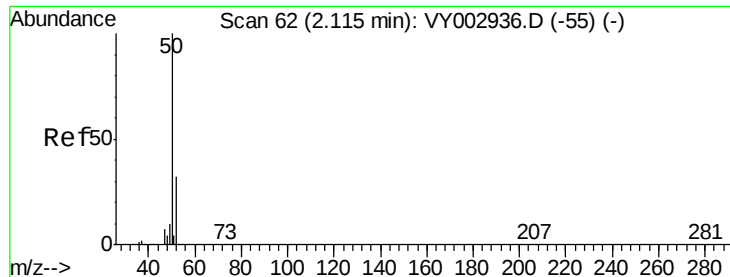
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5000

0

Time-->





#3

Chloromethane

Concen: 9.076 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22963

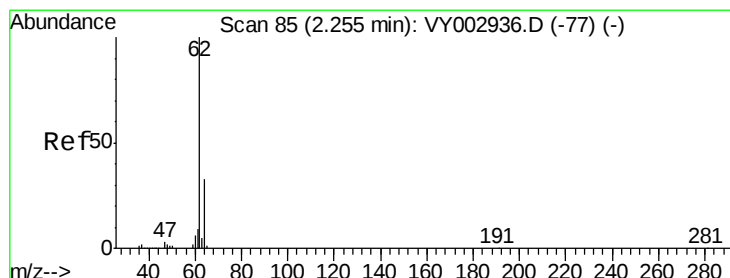
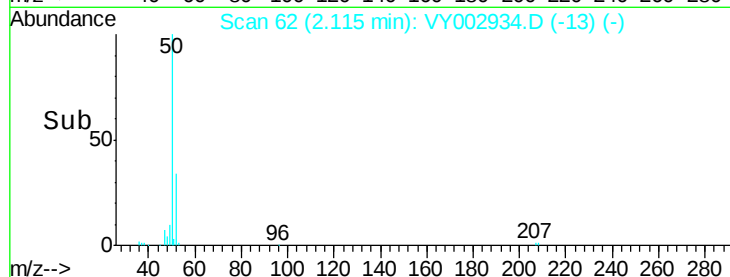
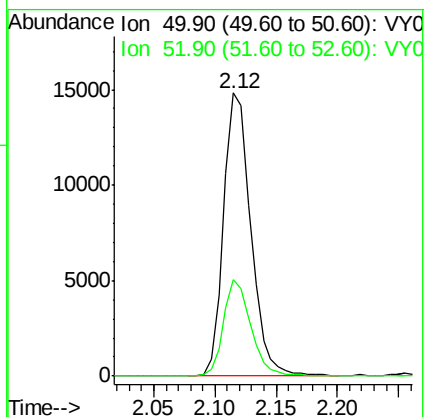
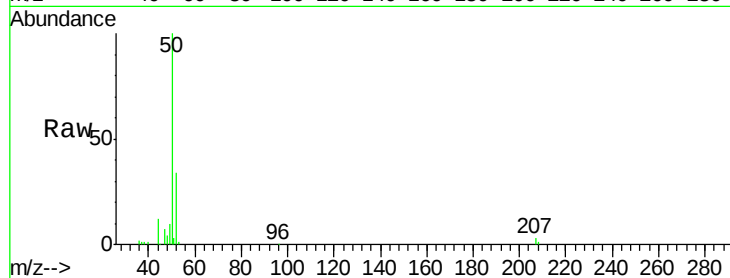
Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6

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#4

Vinyl Chloride

Concen: 9.400 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002934.D

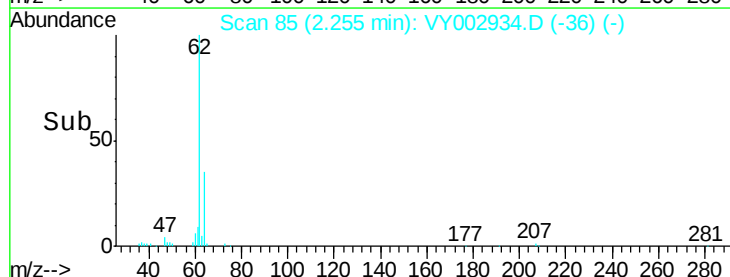
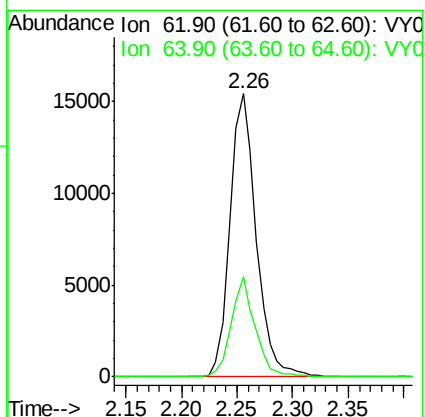
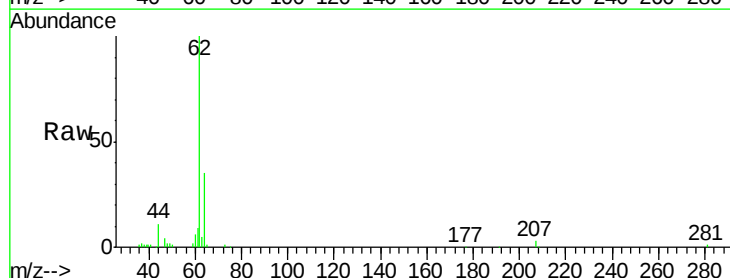
Acq: 19 Jun 2020 13:15

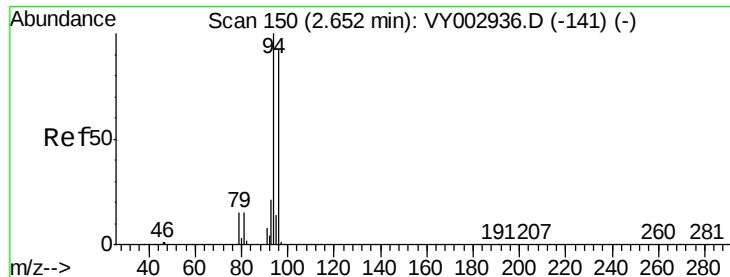
Tgt Ion: 62 Resp: 25172

Ion Ratio Lower Upper

62 100

64 35.2 26.3 39.5





#5

Bromomethane

Concen: 9.573 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19621

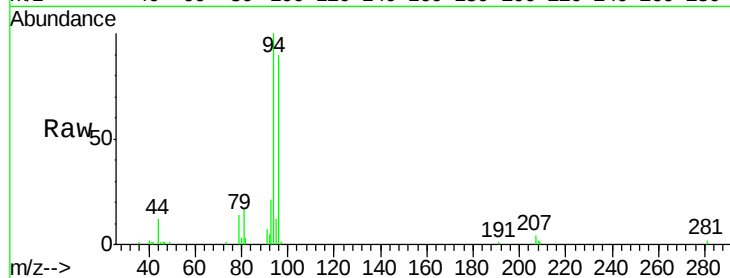
Ion Ratio Lower Upper

94 100

96 90.4 73.7 110.5

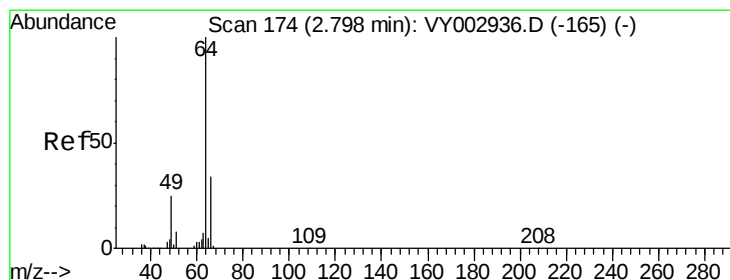
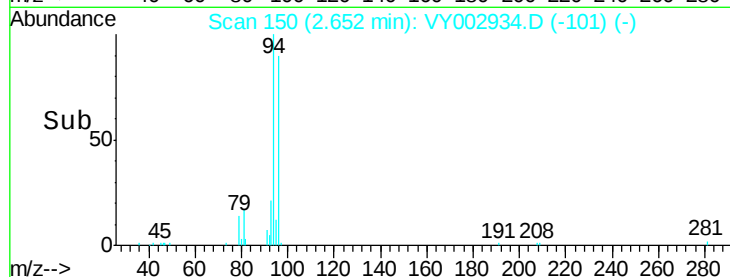
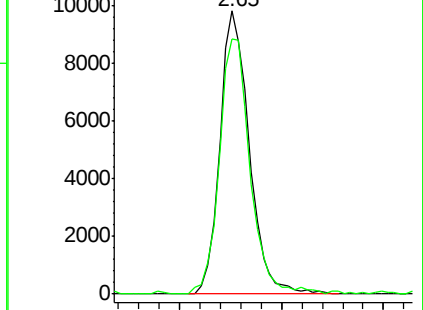
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 9.406 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.01 min

Lab File: VY002934.D

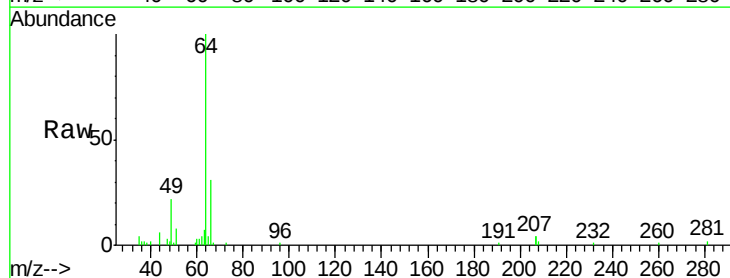
Acq: 19 Jun 2020 13:15

Tgt Ion: 64 Resp: 16380

Ion Ratio Lower Upper

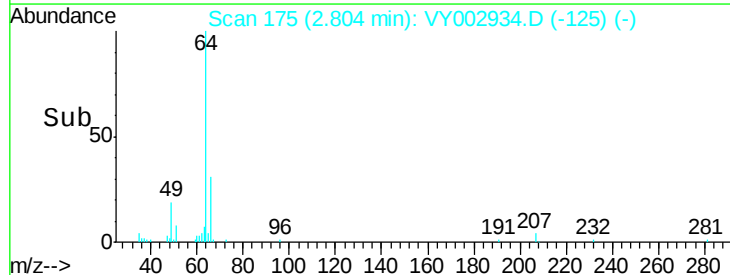
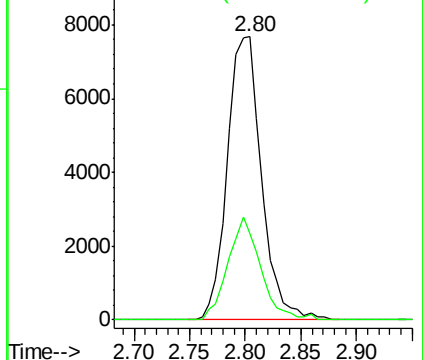
64 100

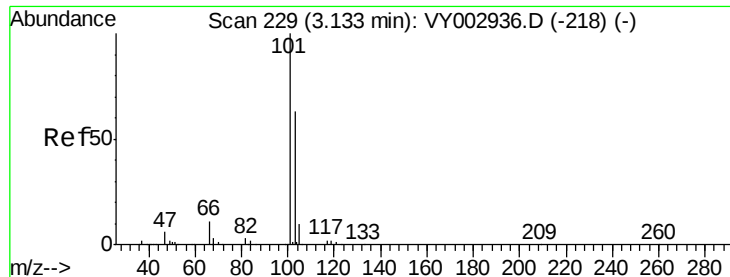
66 30.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

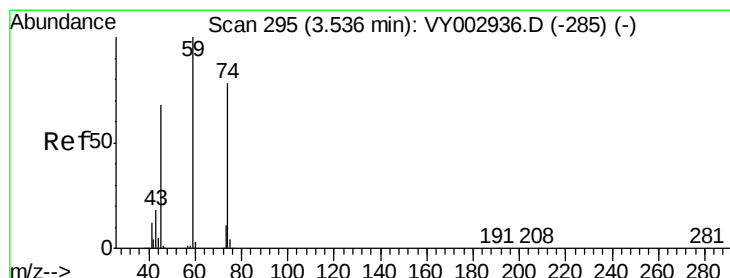
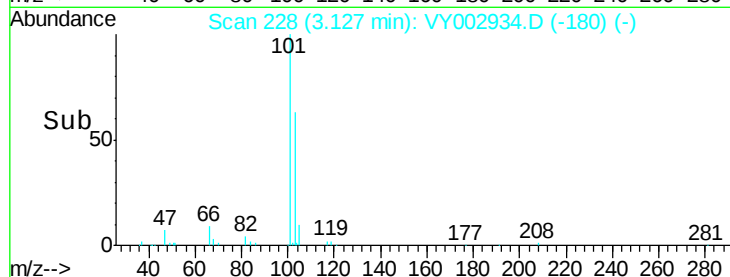
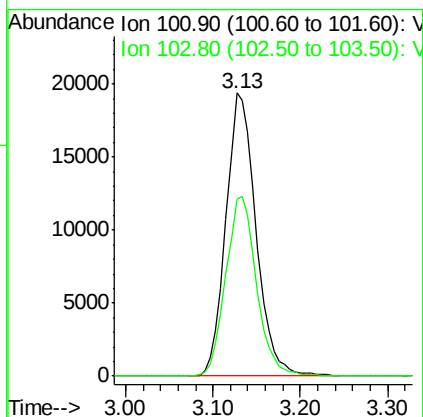
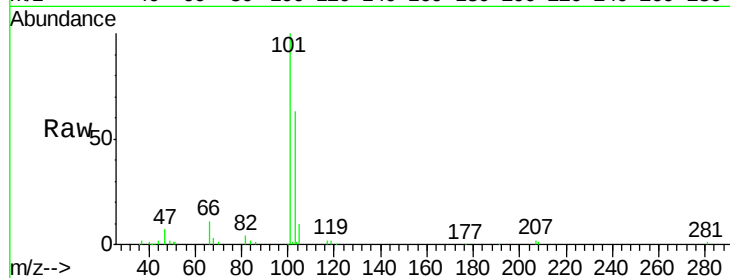
Trichlorofluoromethane
 Concen: 9.562 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

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 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	50.6	76.0

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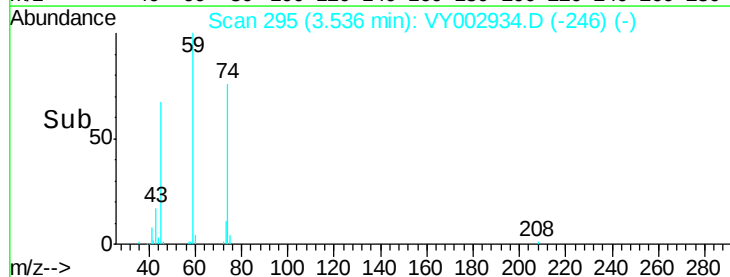
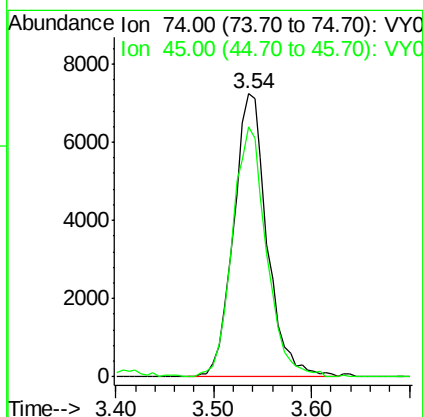
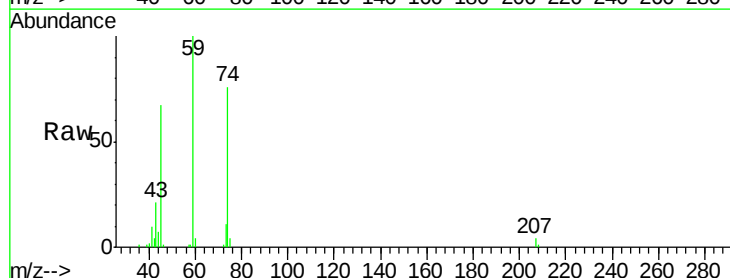
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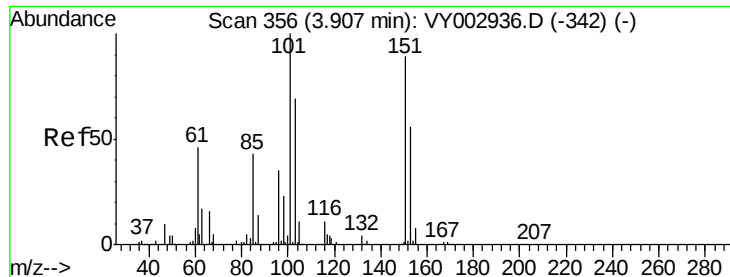


#8

Diethyl Ether
 Concen: 9.845 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	43.7	131.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.784 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

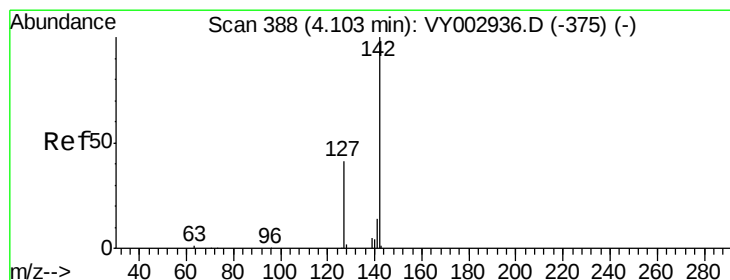
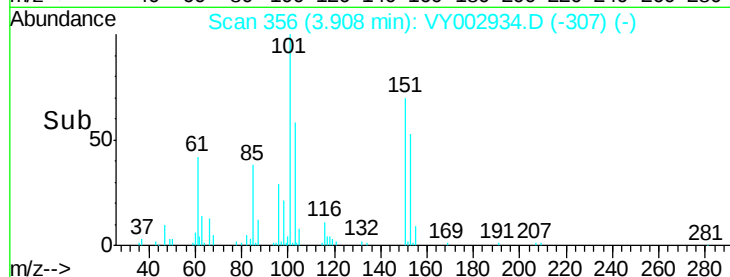
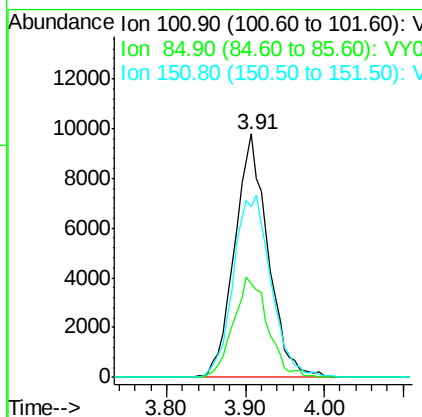
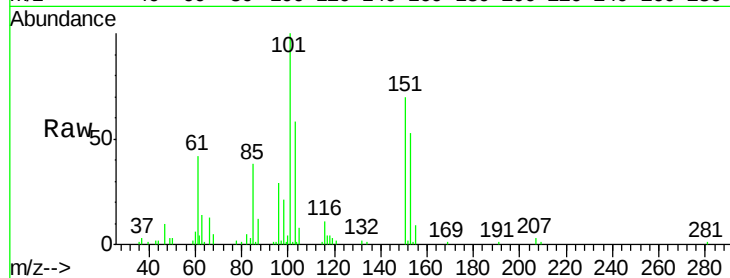
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	28702
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	84.4	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 9.145 ug/l

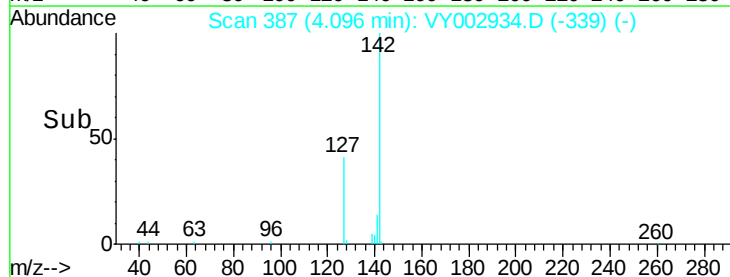
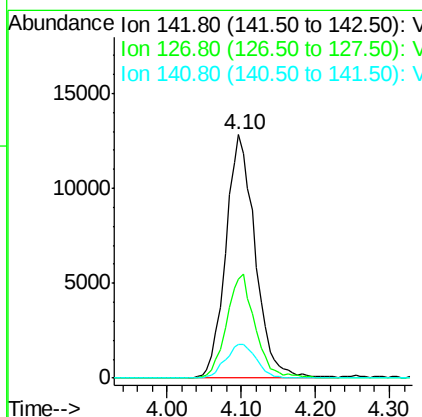
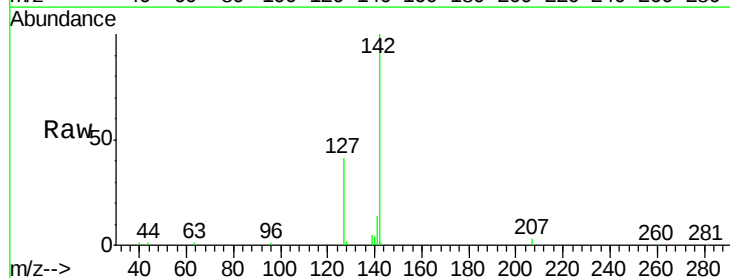
RT: 4.10 min Scan# 387

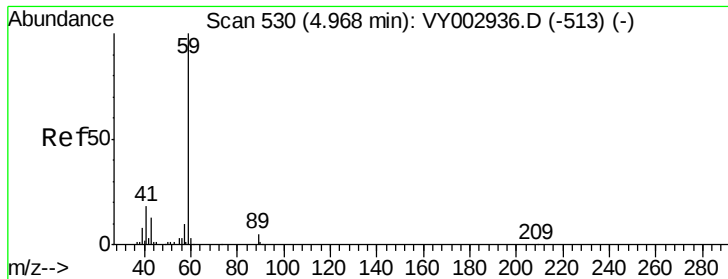
Delta R.T. -0.01 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	142	Resp:	35556
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.9	49.3
141	14.2	11.3	16.9





#11

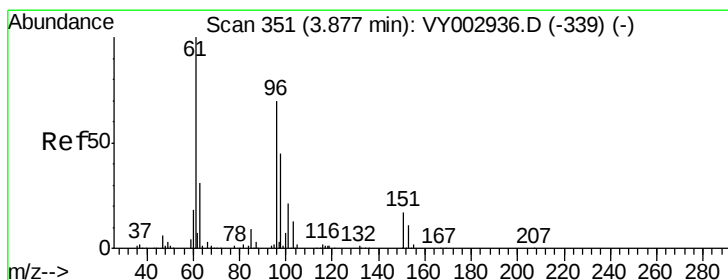
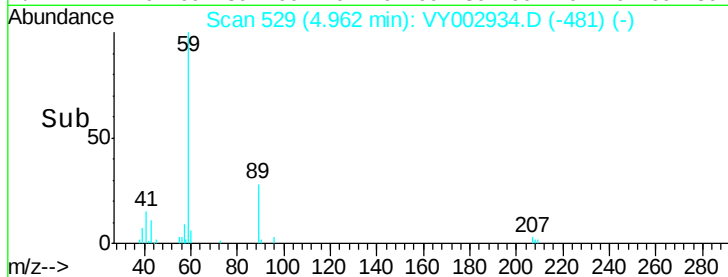
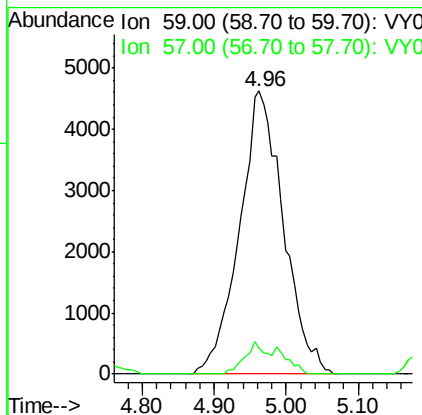
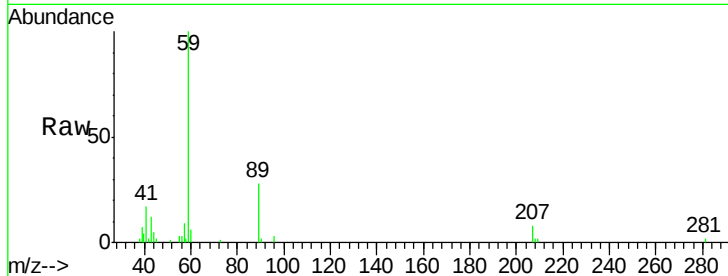
Tert butyl alcohol
 Concen: 52.596 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	59	Resp	19582
Ion Ratio	100	Lower	Upper
57	5.8	7.4	11.2#

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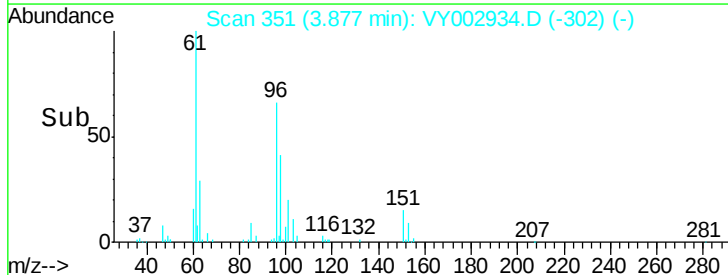
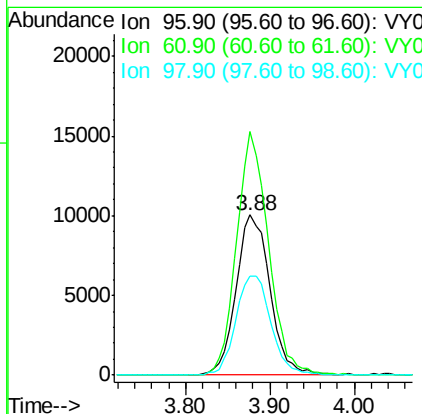
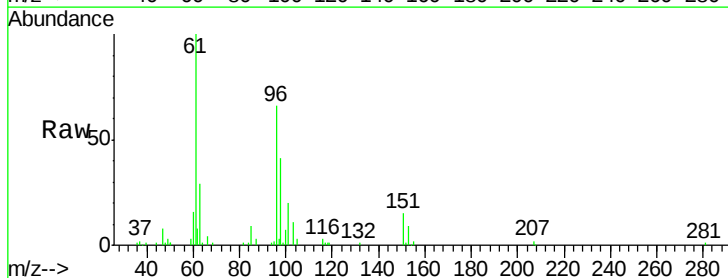
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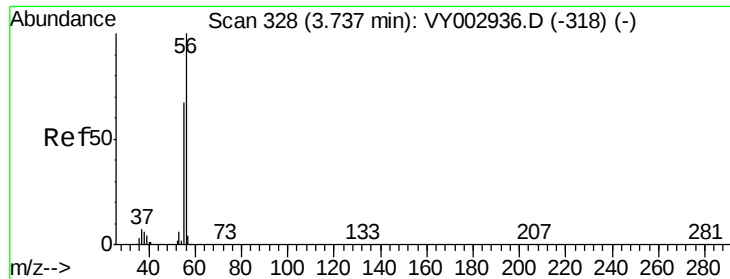


#12

1,1-Dichloroethene
 Concen: 9.476 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	96	Resp	27404
Ion Ratio	100	Lower	Upper
61	152.1	114.6	172.0
98	62.0	51.4	77.0





#13

Acrolein

Concen: 49.577 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 13833

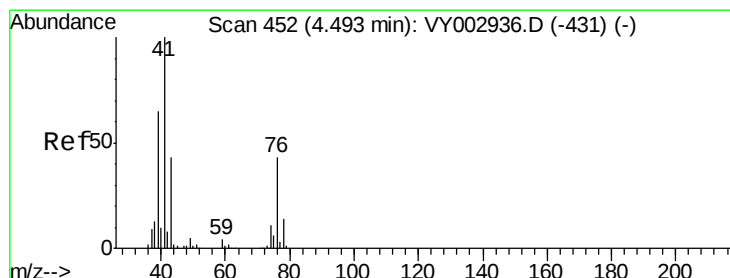
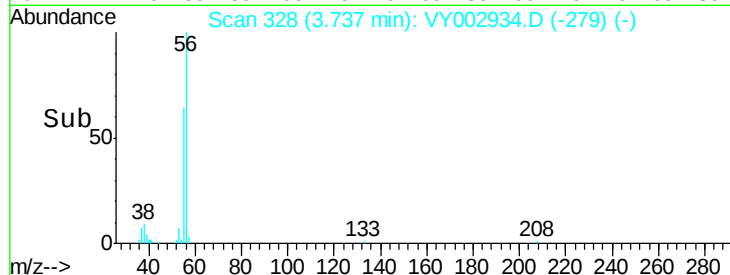
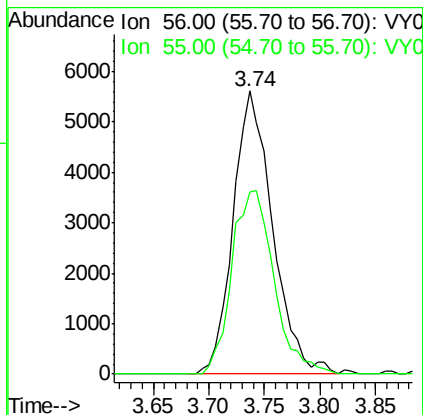
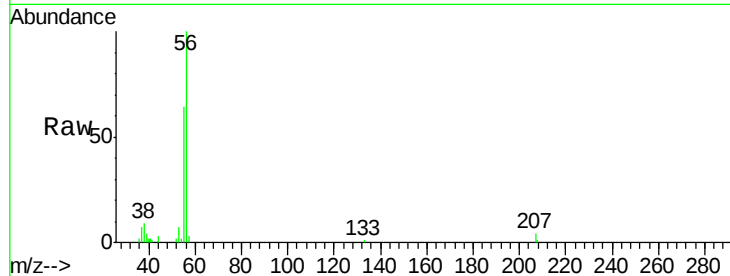
Ion Ratio Lower Upper

56 100

55 69.1 55.3 82.9

Manual Integrations
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#14

Allyl chloride

Concen: 9.731 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

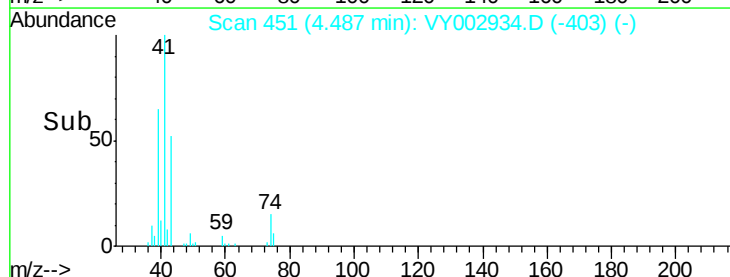
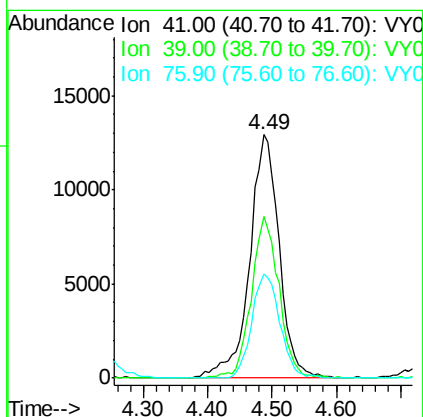
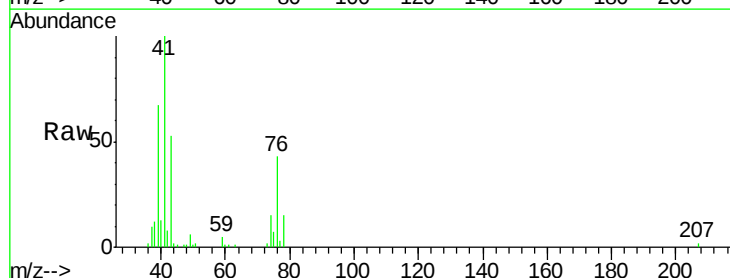
Tgt Ion: 41 Resp: 40521

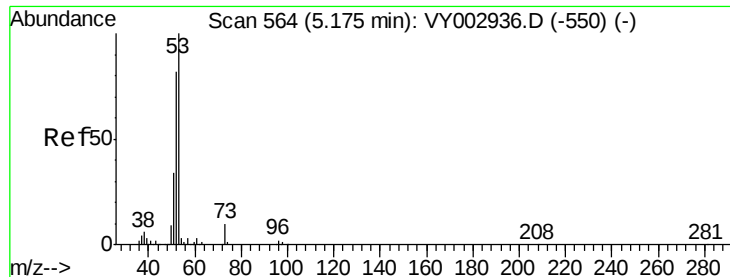
Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

76 40.6 33.3 49.9





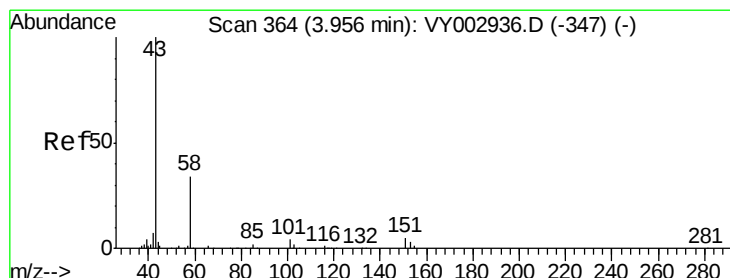
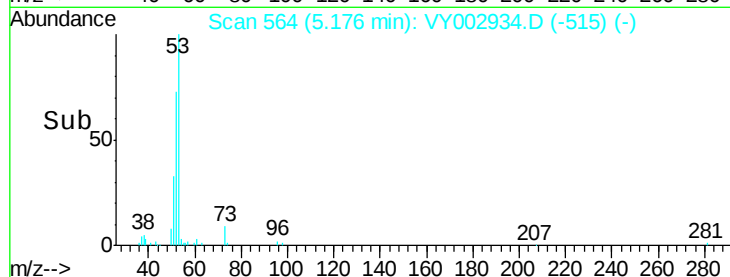
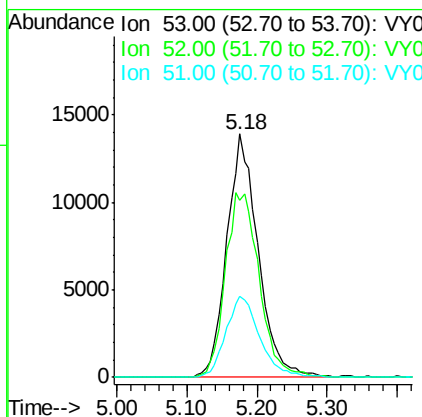
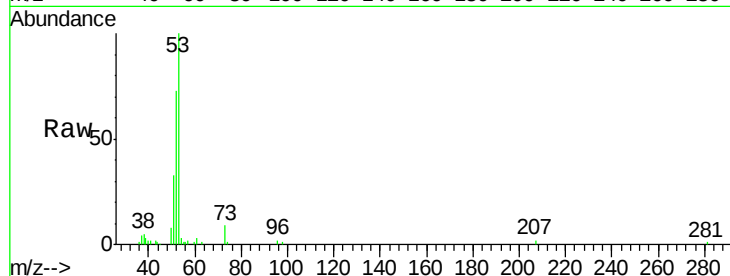
#15
 Acrylonitrile
 Concen: 51.443 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	53	Resp:	43284
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	36.0	28.1	42.1

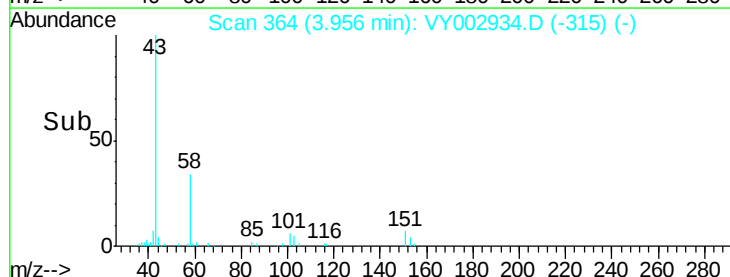
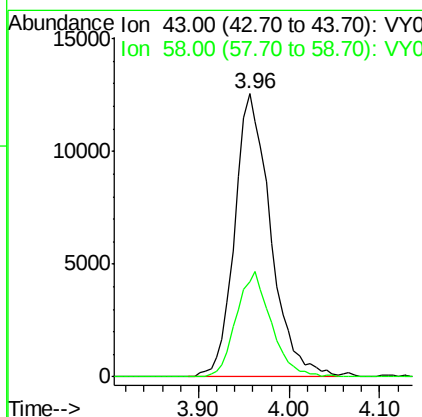
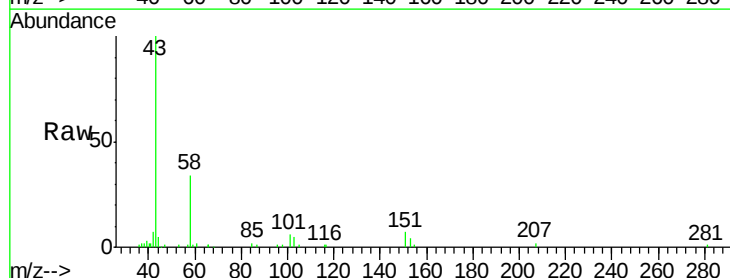
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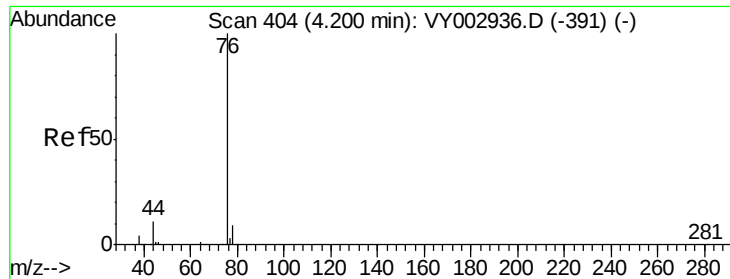
MMDadoda
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#16
 Acetone
 Concen: 48.654 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion:	43	Resp:	34585
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.3	40.9





#17

Carbon Disulfide

Concen: 8.903 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 74104

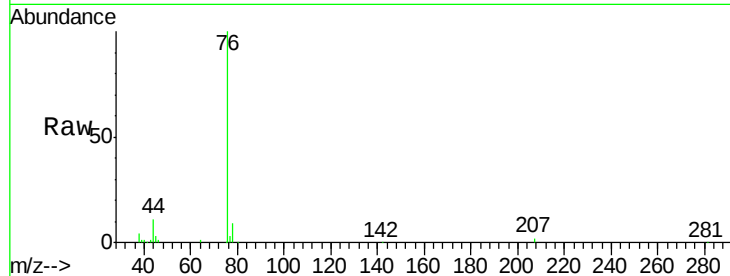
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

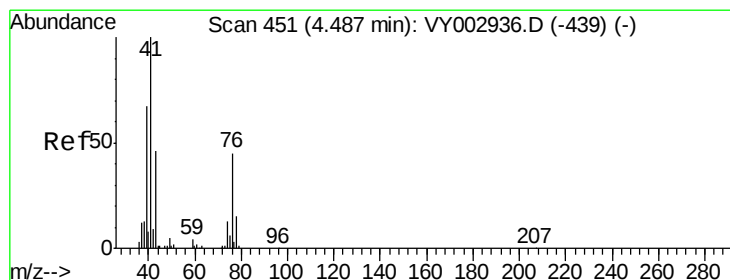
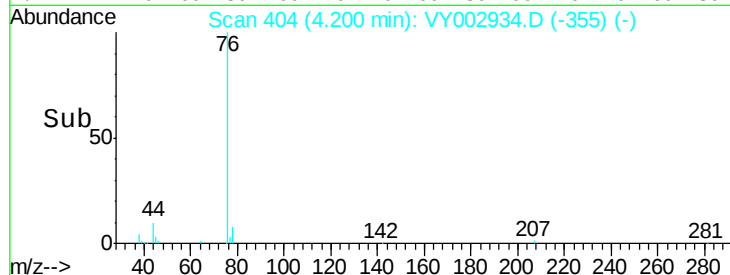
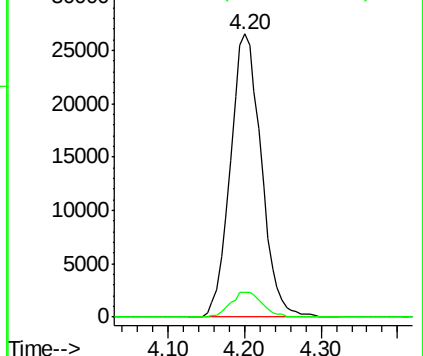
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 9.545 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002934.D

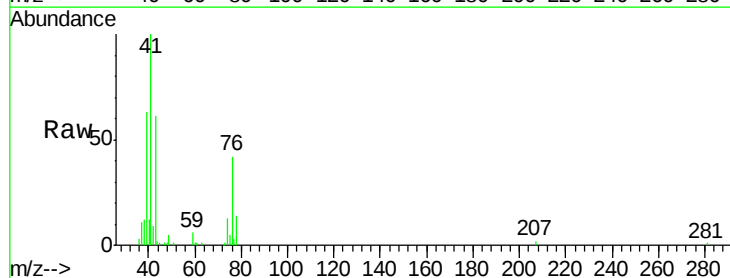
Acq: 19 Jun 2020 13:15

Tgt Ion: 43 Resp: 21516

Ion Ratio Lower Upper

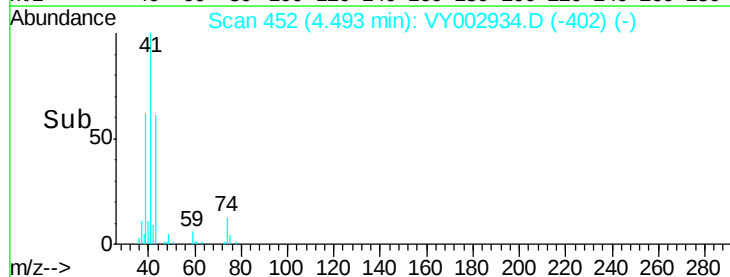
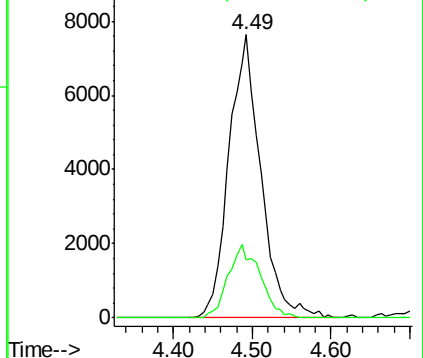
43 100

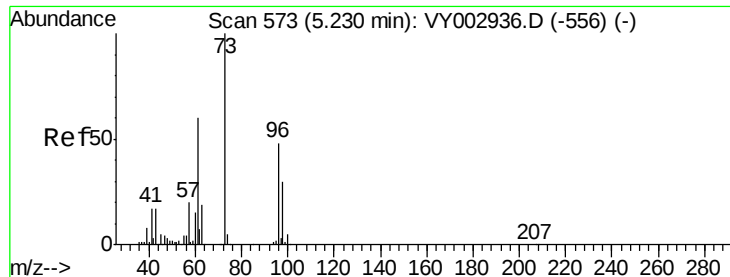
74 26.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





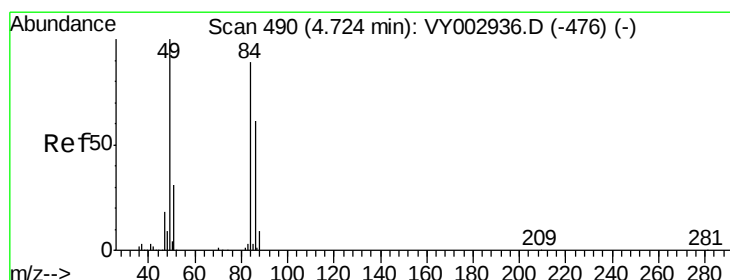
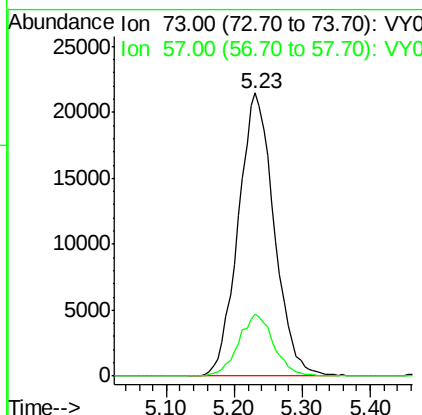
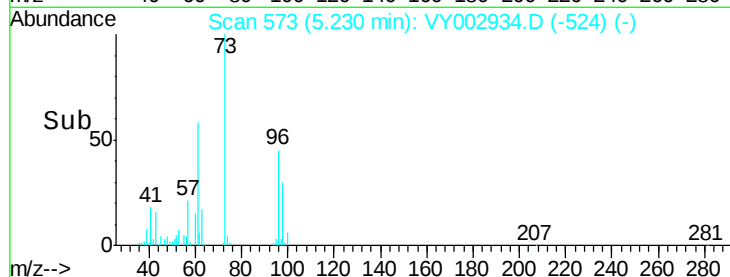
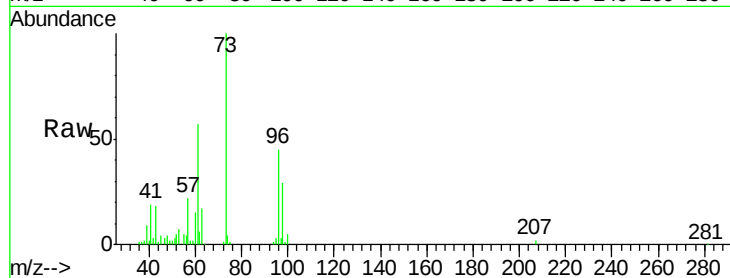
#19
Methvl tert-butvl Ether
Concen: 10.017 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 78843
Ion Ratio Lower Upper
73 100
57 21.9 16.4 24.6

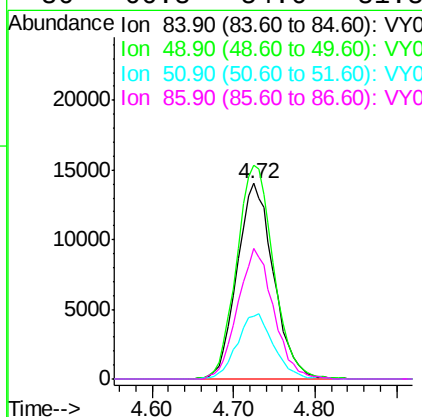
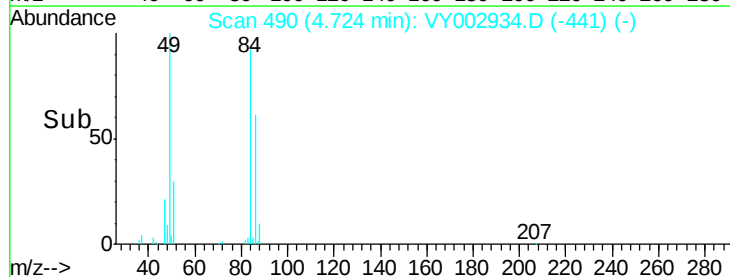
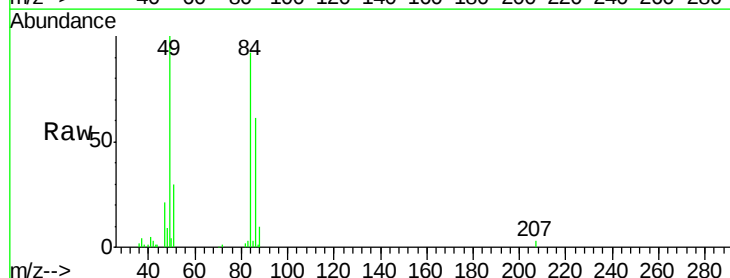
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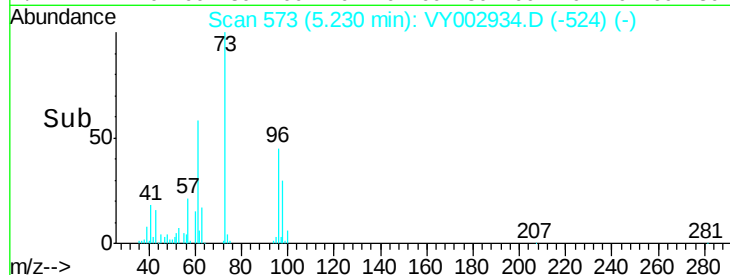
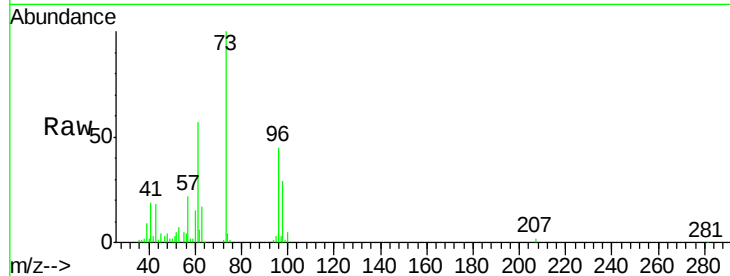
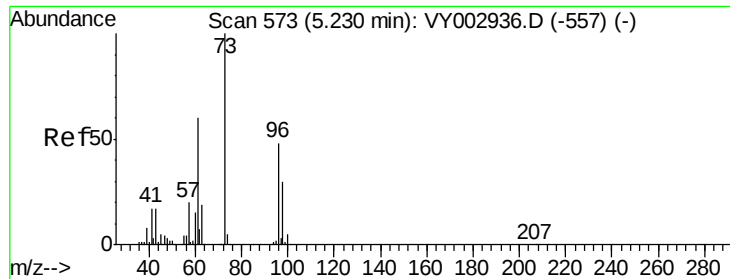
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#20
Methylene Chloride
Concen: 8.278 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion: 84 Resp: 43599
Ion Ratio Lower Upper
84 100
49 109.3 90.0 135.0
51 32.2 27.9 41.9
86 66.8 54.6 81.8





#21

trans-1,2-Dichloroethene

Concen: 9.467 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY002934.D

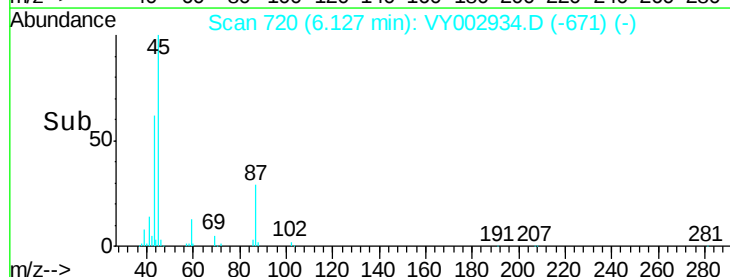
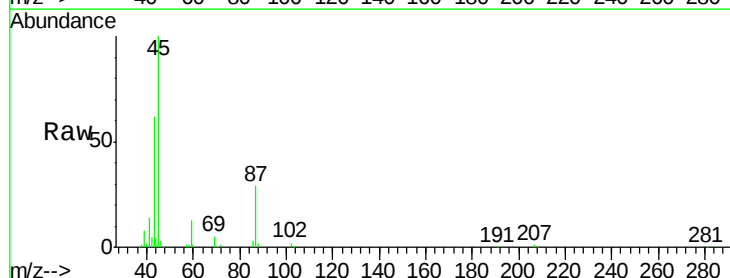
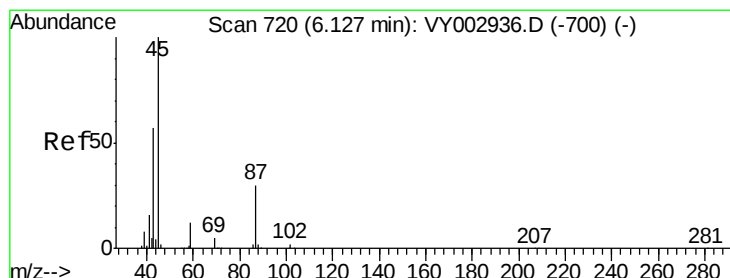
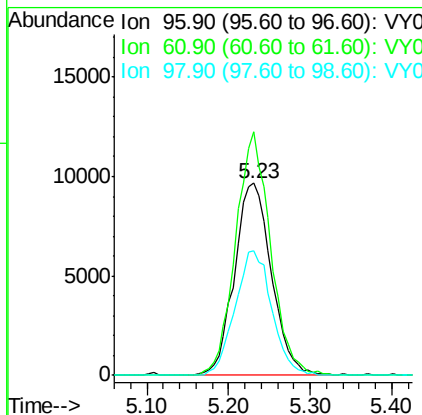
Acq: 19 Jun 2020 13:15

Tot Ion:	96	Resp:	30415
Ion Ratio	Lower	Upper	
96	100		
61	126.8	100.6	150.8
98	65.1	49.8	74.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Manual Integrations
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#22

Diisopropyl ether

Concen: 9.996 ug/l

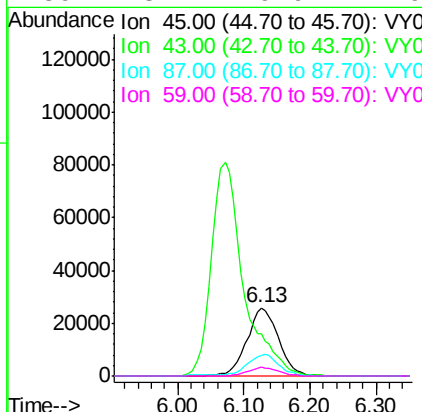
RT: 6.13 min Scan# 720

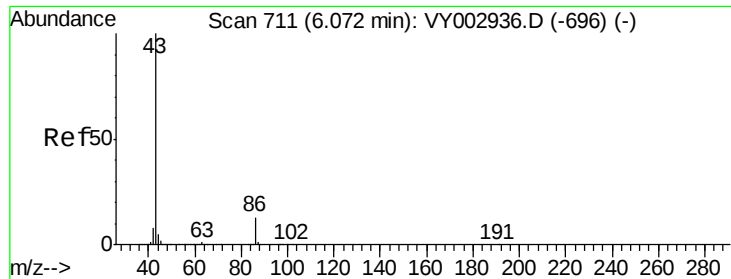
Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	45	Resp:	86131
Ion Ratio	Lower	Upper	
45	100		
43	61.2	46.2	69.2
87	29.5	24.9	37.3
59	13.1	9.9	14.9





#23

Vinyl Acetate

Concen: 50.739 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tot Ion: 43 Resp: 274173

Ion Ratio Lower Upper

43 100

86 12.3 10.6 15.8

Instrument :

MSVOA_Y

ClientSampleId :

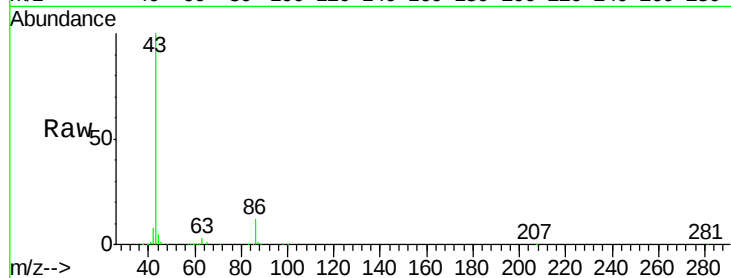
VSTDIC010

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

80000

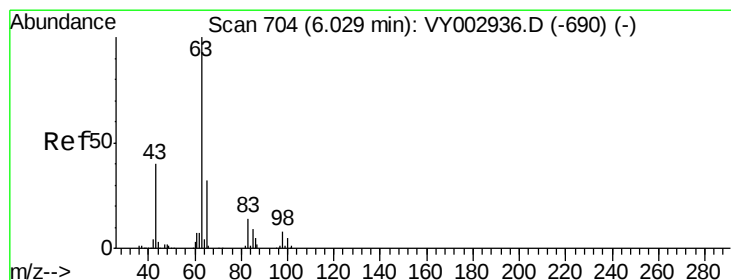
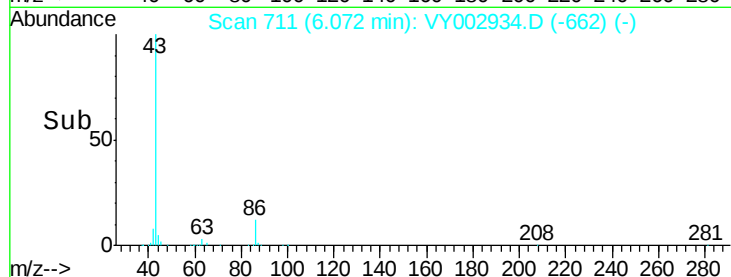
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 9.862 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

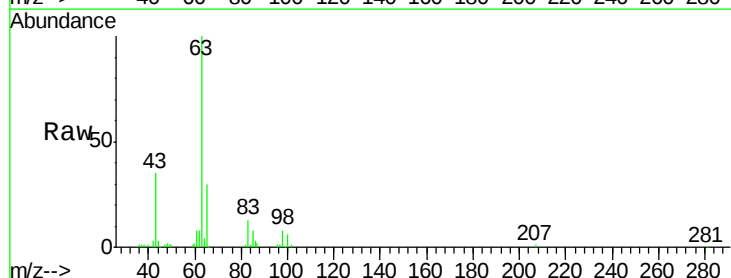
Tgt Ion: 63 Resp: 50047

Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

100 6.3 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

20000

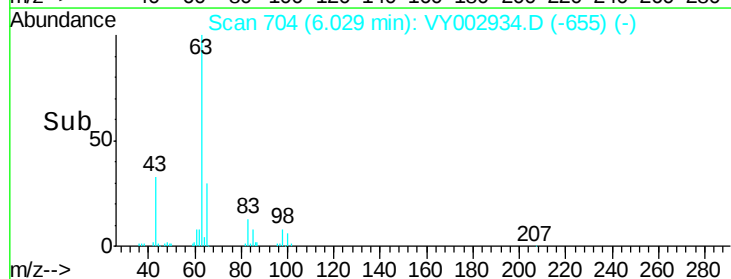
15000

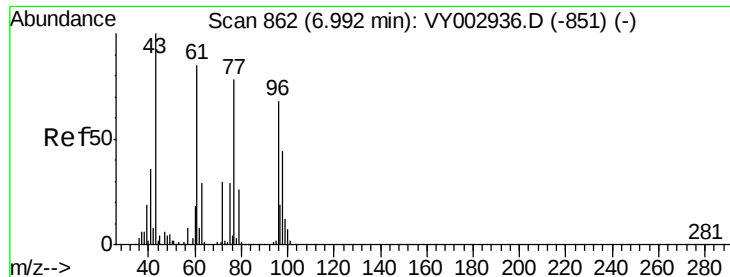
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 51.235 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 54716

Ion Ratio Lower Upper

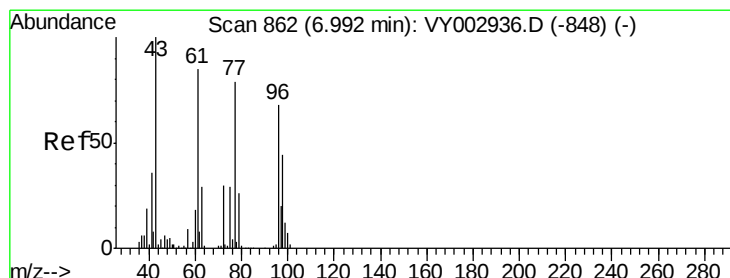
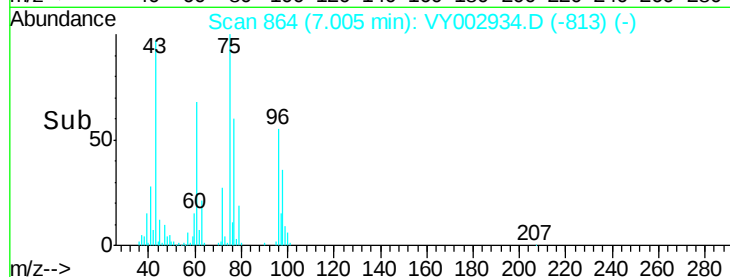
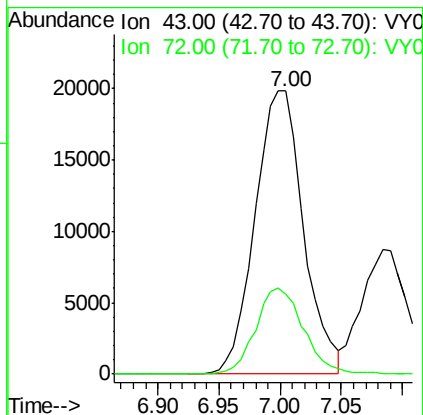
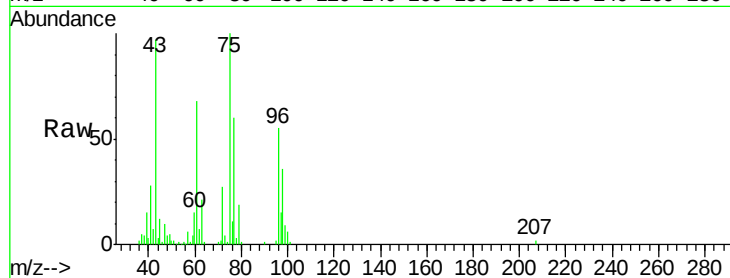
43 100

72 28.2 24.2 36.4

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 10.014 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002934.D

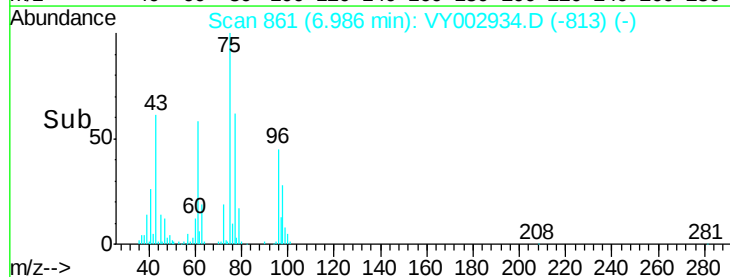
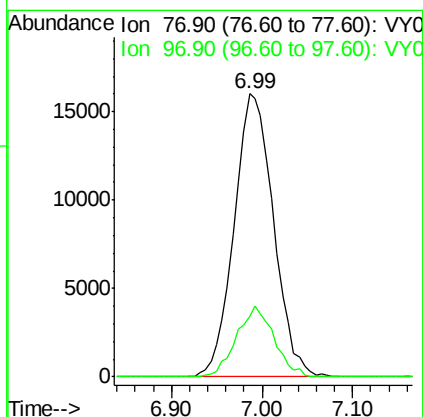
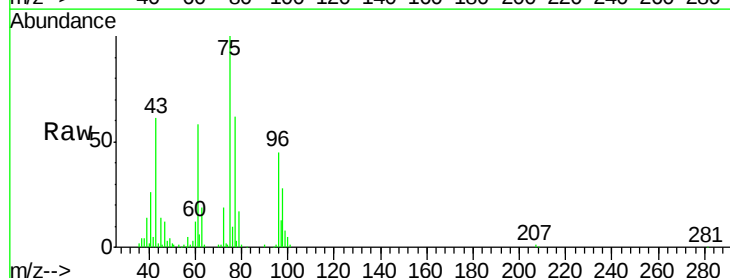
Acq: 19 Jun 2020 13:15

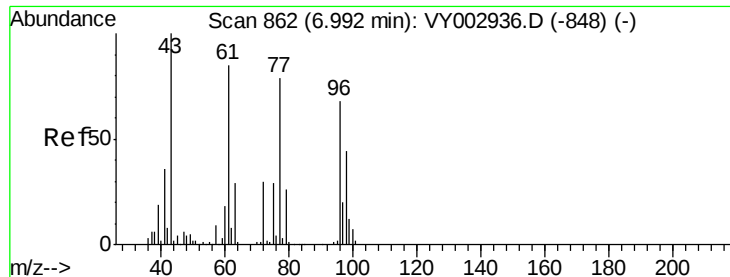
Tgt Ion: 77 Resp: 48262

Ion Ratio Lower Upper

77 100

97 23.7 12.3 36.9





#27

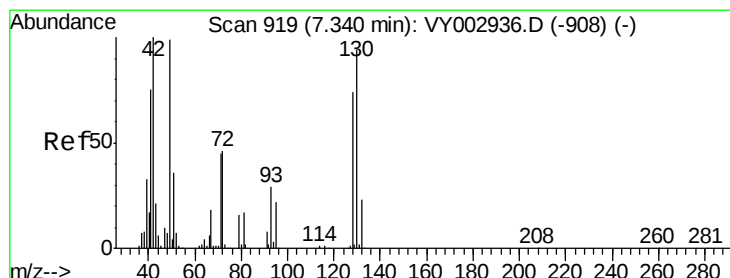
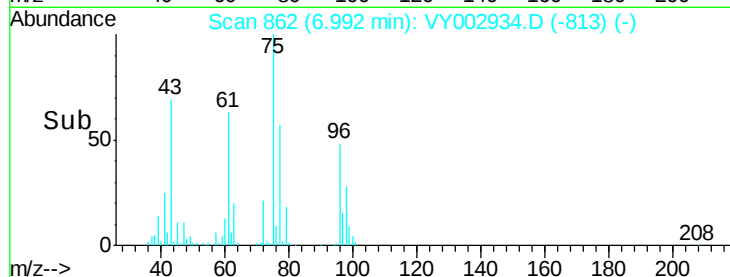
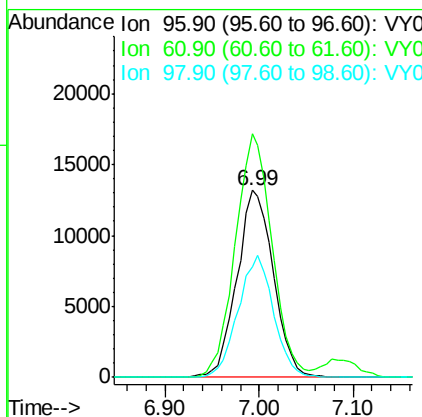
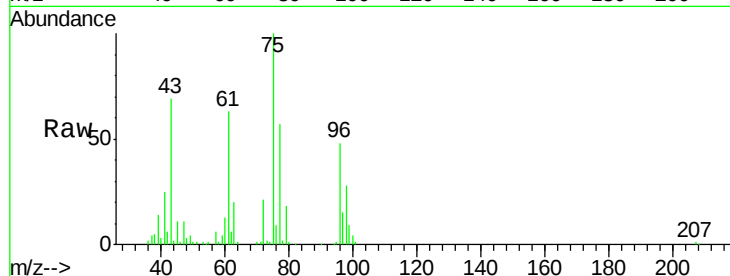
cis-1,2-Dichloroethene
Concen: 9.924 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	257.0
98	63.3	0.0	129.8

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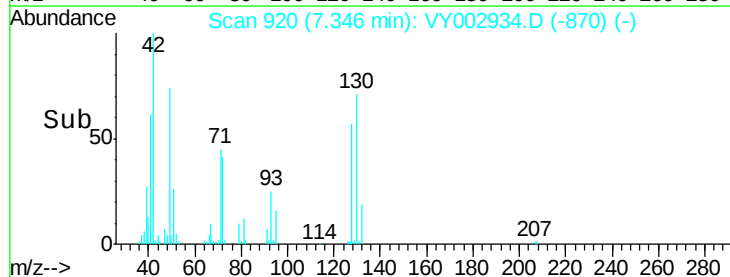
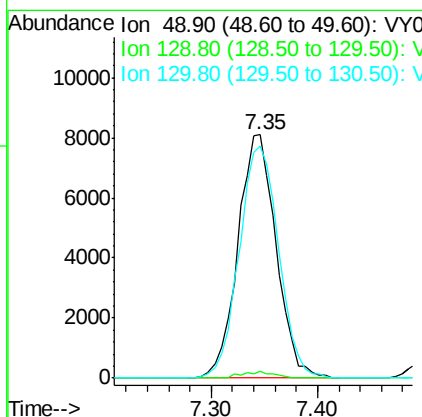
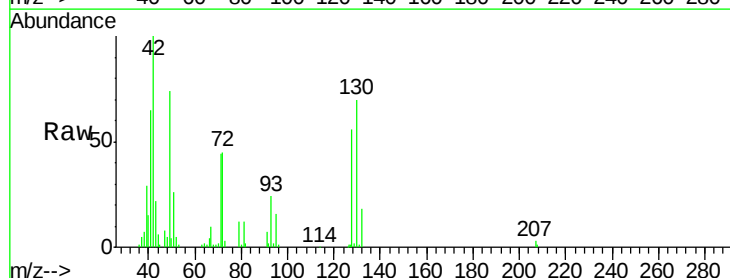
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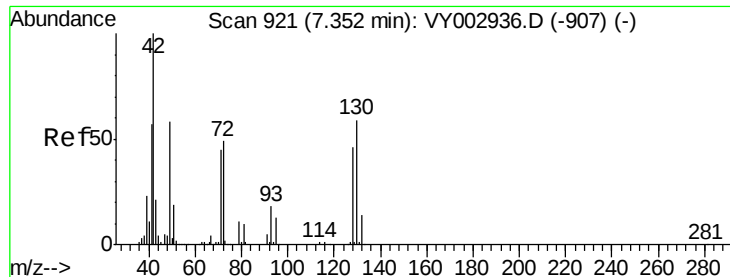


#28

Bromochloromethane
Concen: 9.678 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	98.6	78.4	117.6





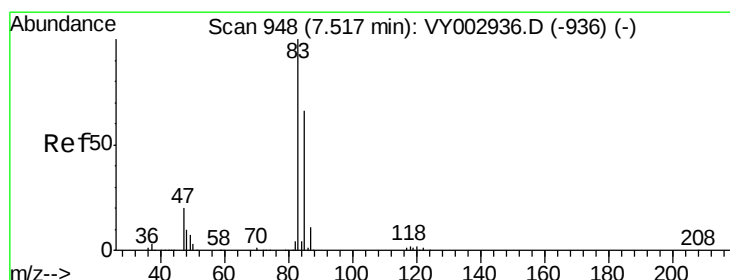
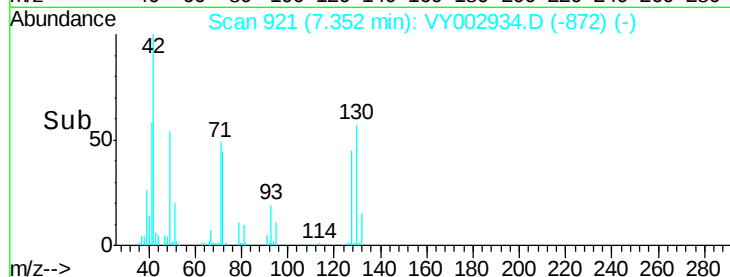
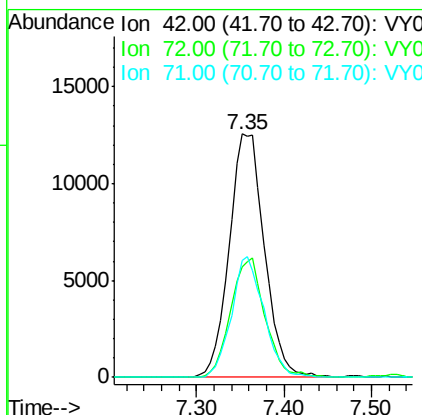
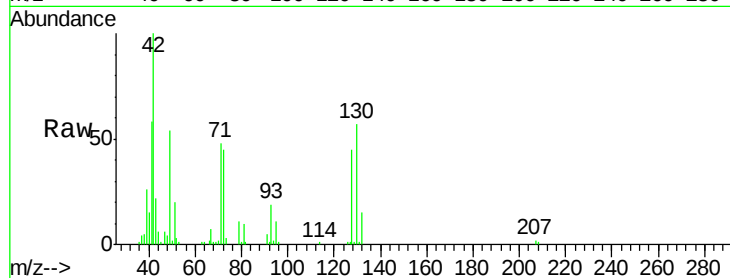
#29
Tetrahydrofuran
Concen: 51.047 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	35155
Ion	Ratio	Lower	Upper
42	100		
72	47.8	39.1	58.7
71	45.8	36.4	54.6

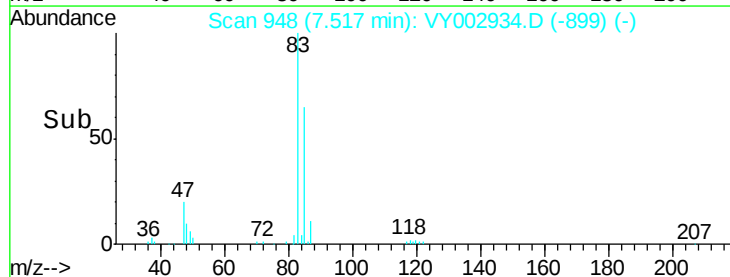
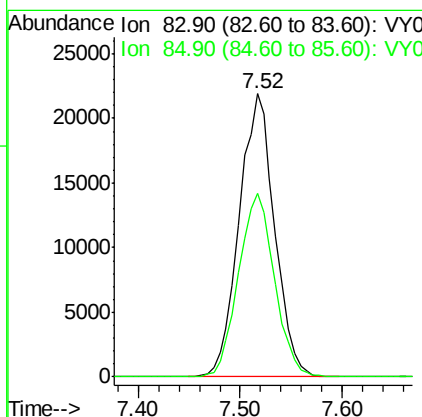
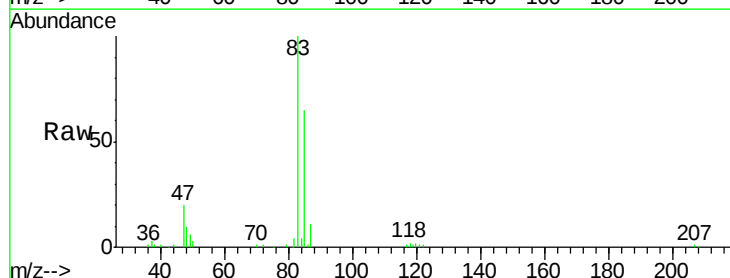
Manual Integrations
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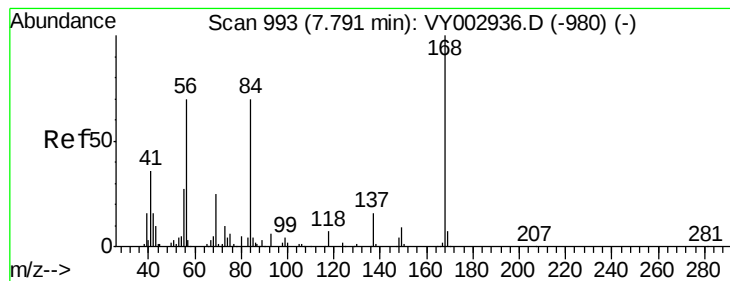
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#30
Chloroform
Concen: 9.917 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion:	83	Resp:	52744
Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.1	79.7





#31

Cyclohexane

Concen: 9.481 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

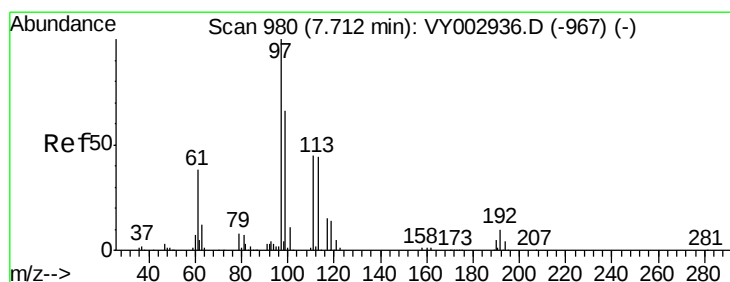
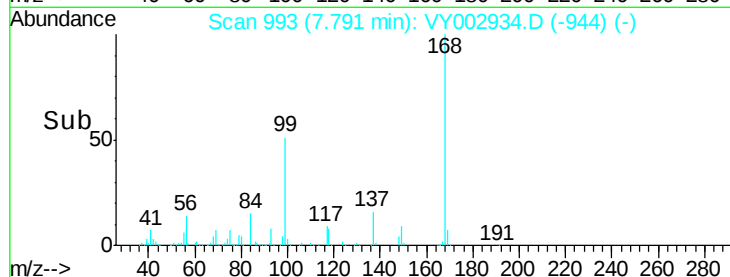
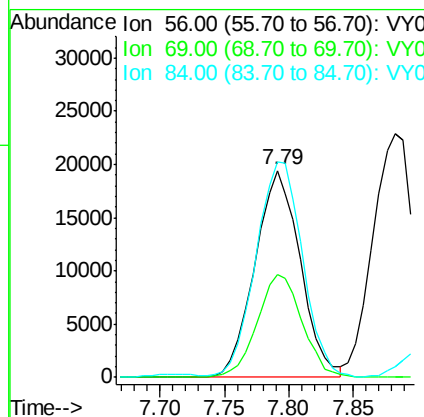
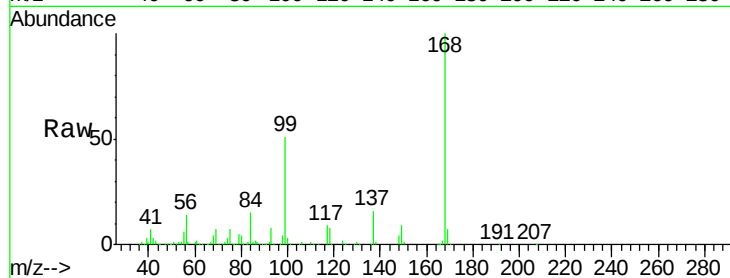
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	47515
Ion Ratio	Lower	Upper	
56	100		
69	49.2	28.9	43.3#
84	102.8	80.1	120.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.716 ug/l

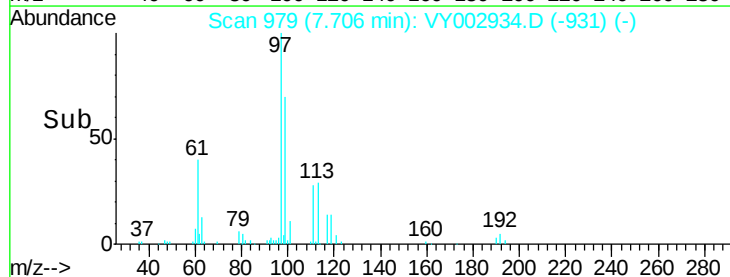
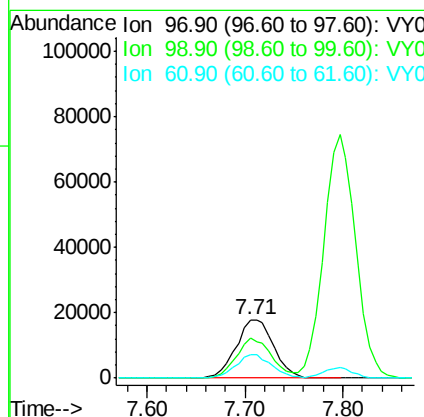
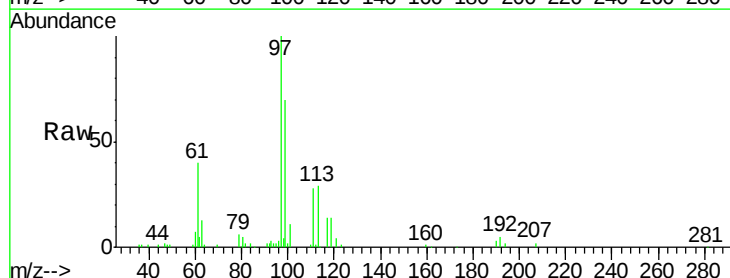
RT: 7.71 min Scan# 979

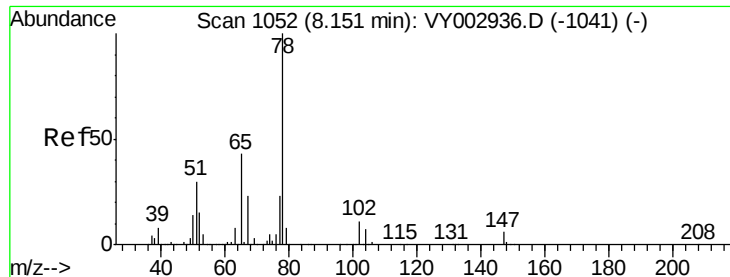
Delta R.T. -0.01 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	97	Resp:	47398
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.2	78.2
61	38.4	30.3	45.5





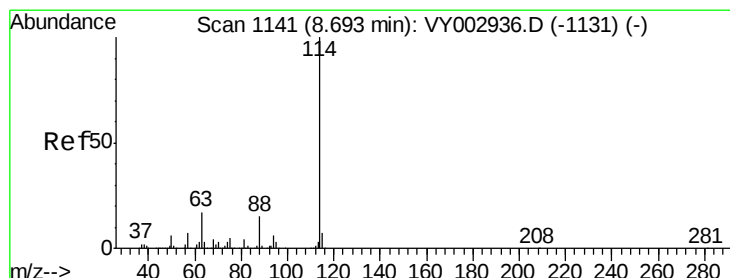
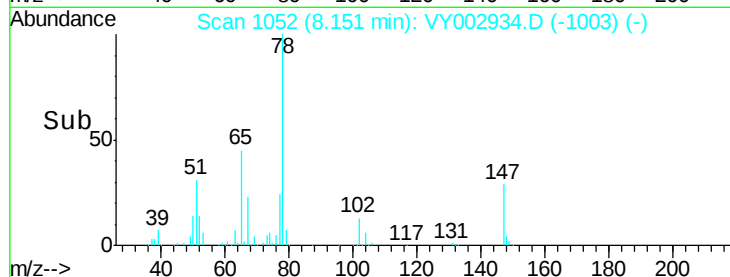
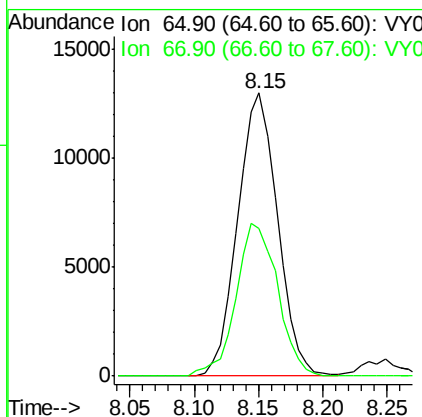
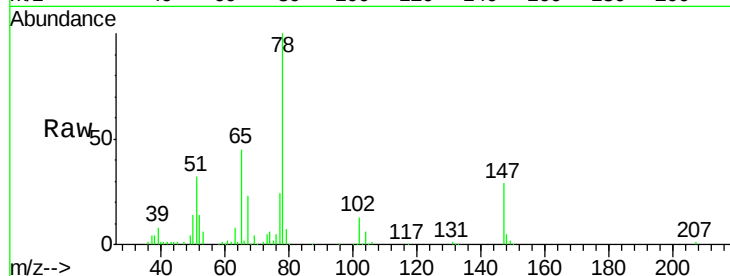
#33
 1,2-Dichloroethane-d4
 Concen: 9.631 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	27945		
67	56.1	0.0	109.4	

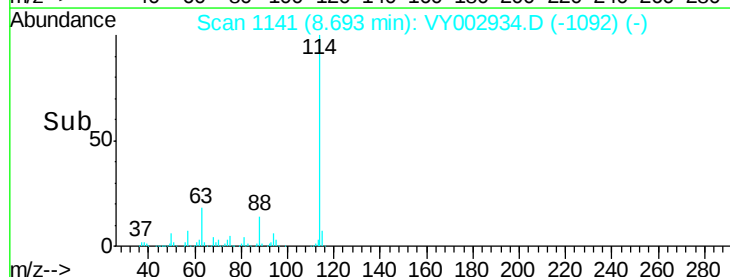
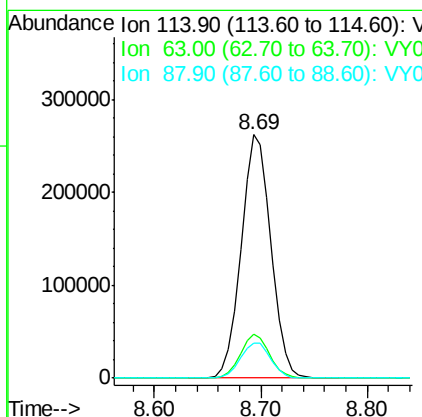
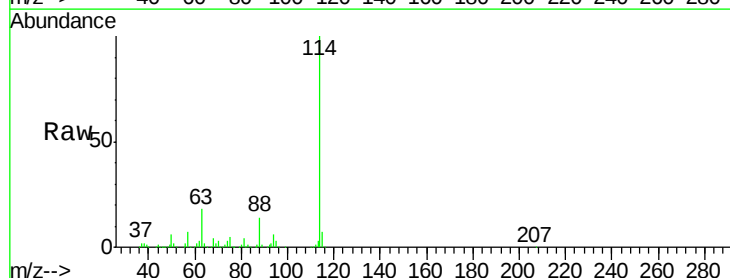
Manual Integrations
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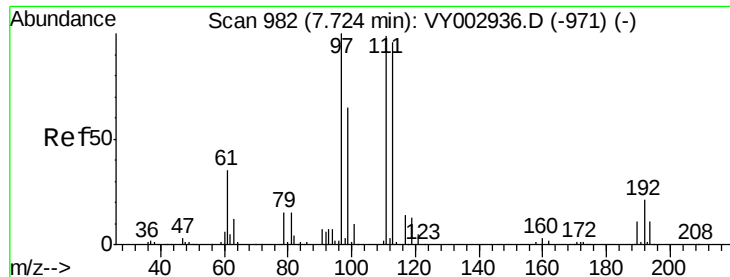
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513265		
63	18.0	0.0	34.6	
88	14.5	0.0	29.2	





#35

Dibromofluoromethane

Concen: 9.731 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

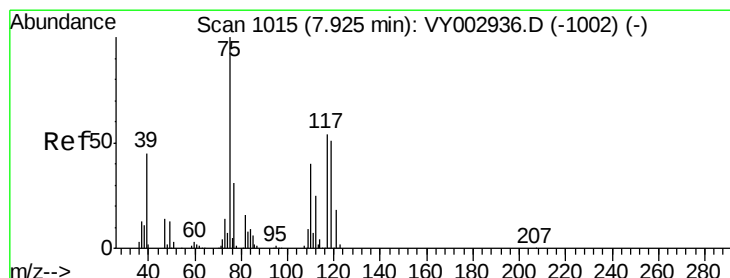
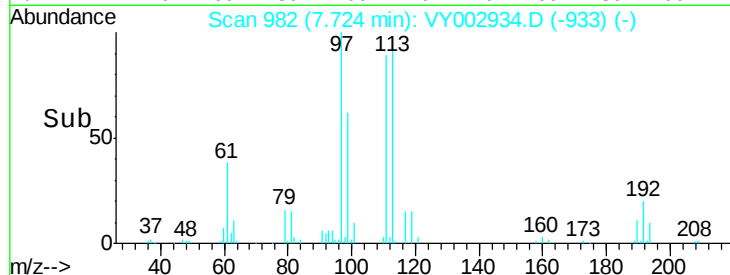
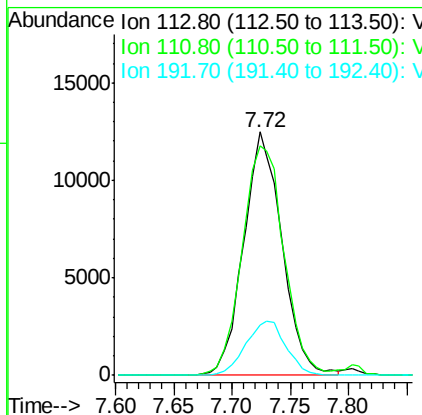
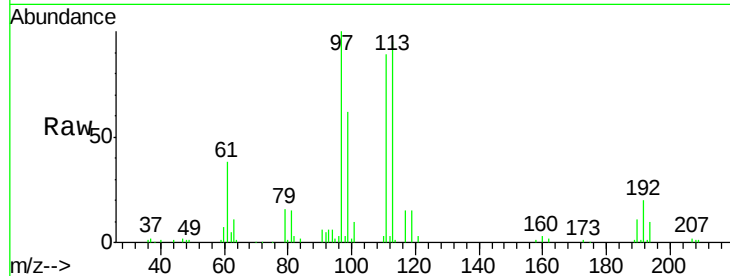
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	28588
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.5	122.3
192	23.2	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.578 ug/l

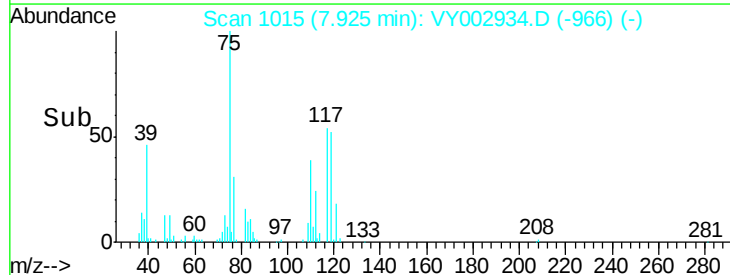
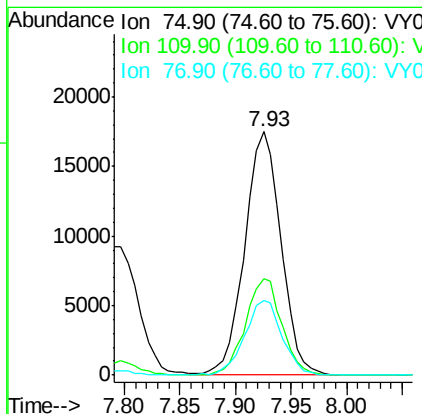
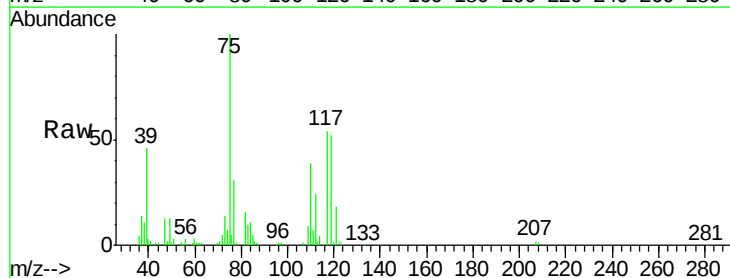
RT: 7.93 min Scan# 1015

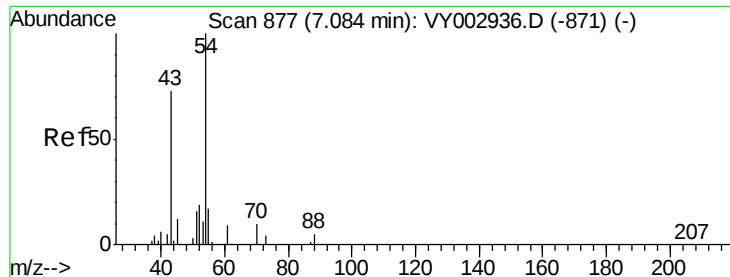
Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	75	Resp:	39836
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.7	59.0
77	31.4	25.0	37.4





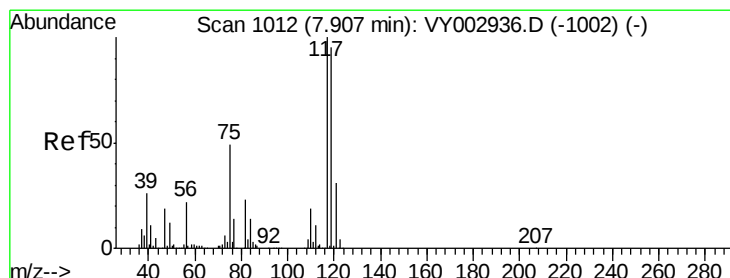
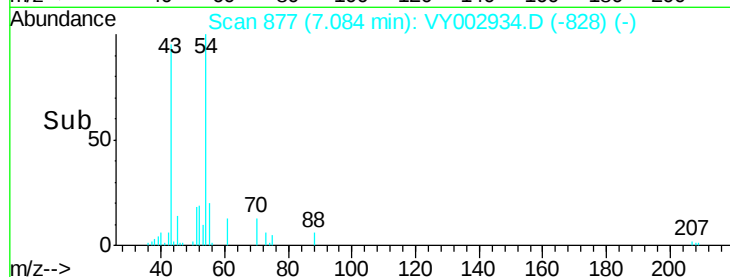
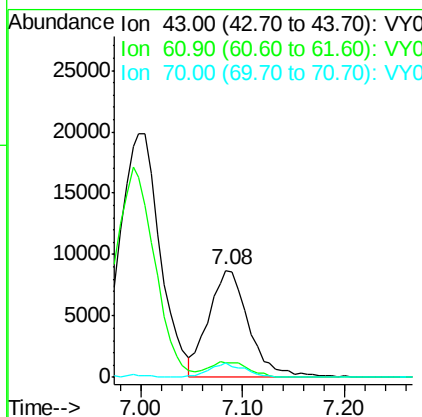
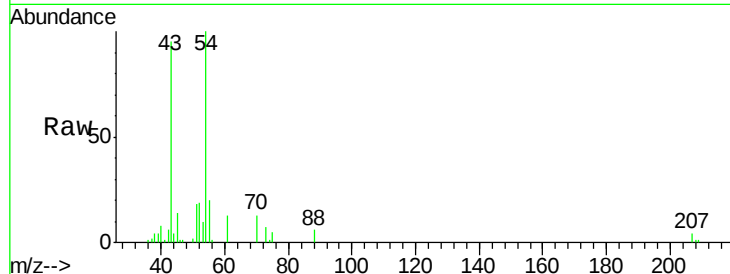
#37
Ethyl Acetate
Concen: 10.255 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.3	18.5
70	11.9	9.7	14.5

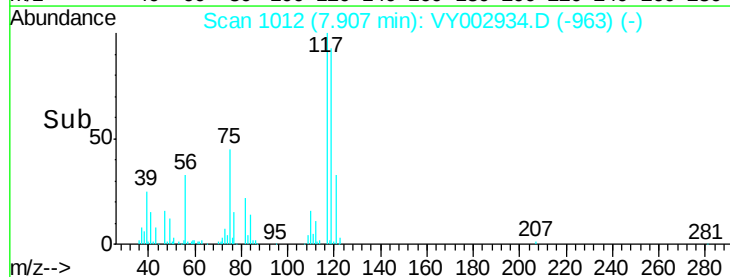
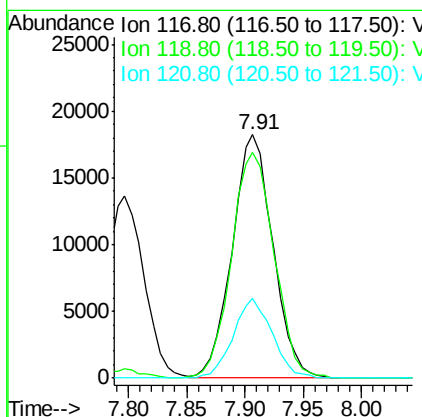
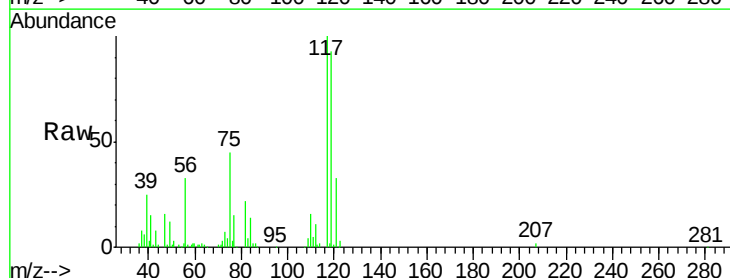
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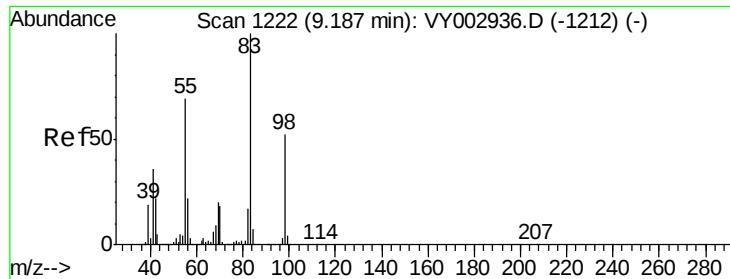
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#38
Carbon Tetrachloride
Concen: 9.720 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.1	114.1
121	32.6	24.8	37.2





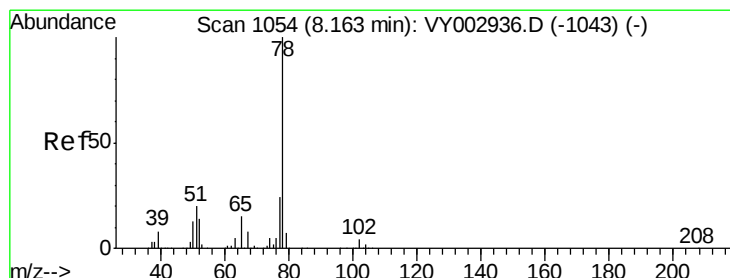
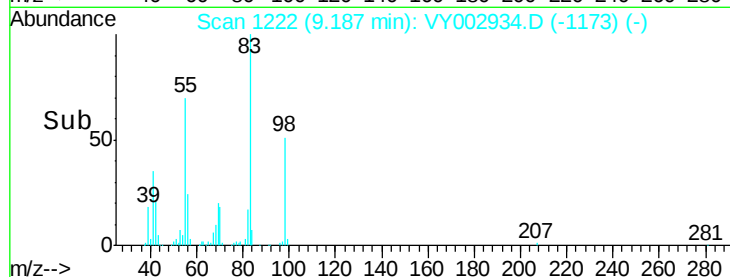
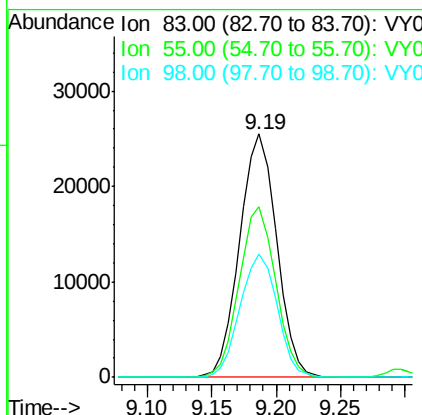
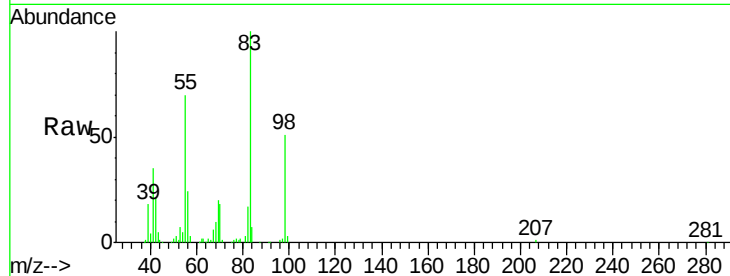
#39
Methvlcvclohexane
Concen: 9.385 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	55.0	82.4
98	50.8	41.4	62.2

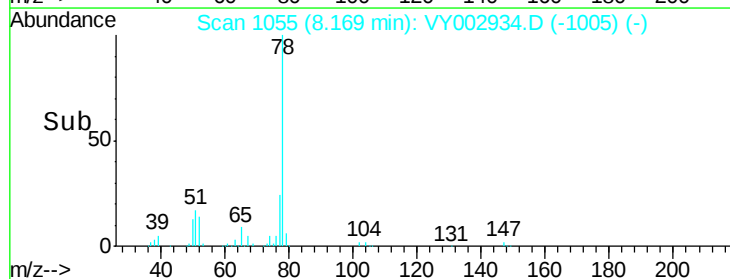
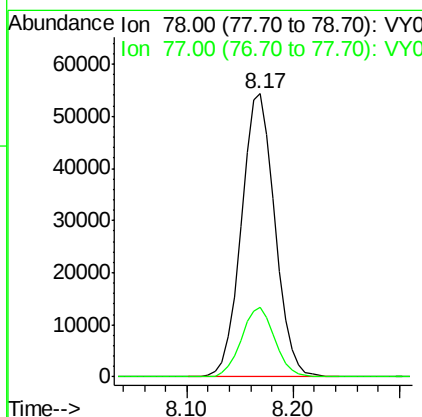
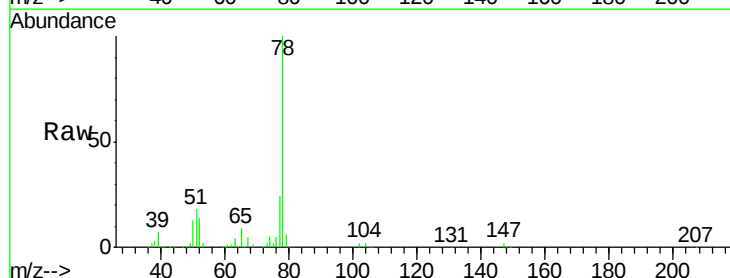
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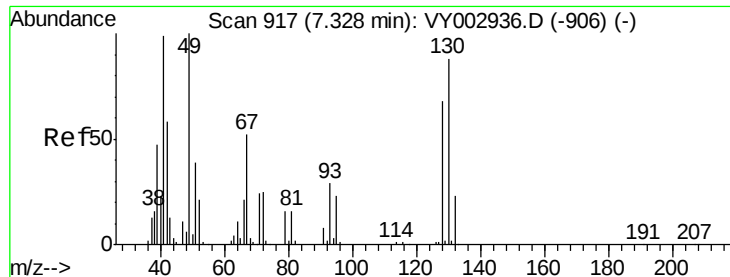
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#40
Benzene
Concen: 9.643 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9





#41

Methacrylonitrile

Concen: 5.389 ug/l

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 11395

Ion Ratio Lower Upper

41 100

39 58.9 96.6 144.8#

67 90.0 0.0 0.0#

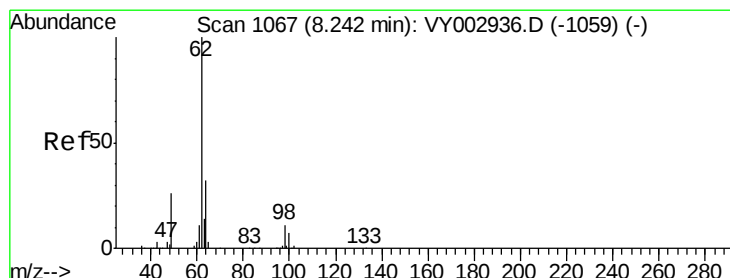
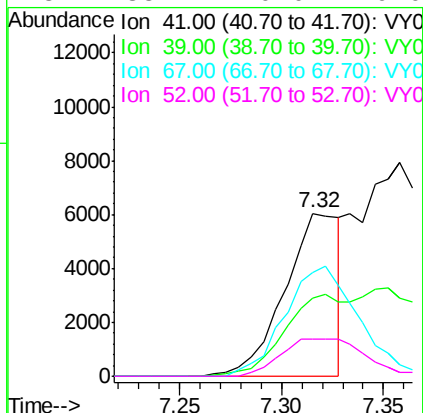
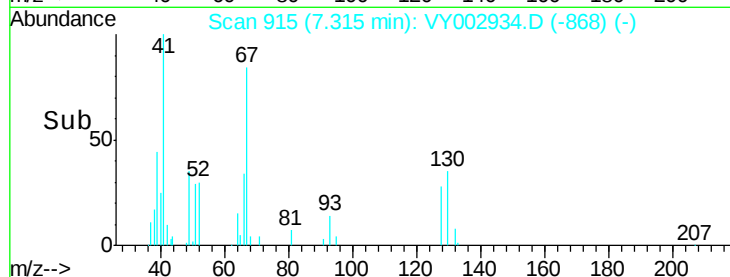
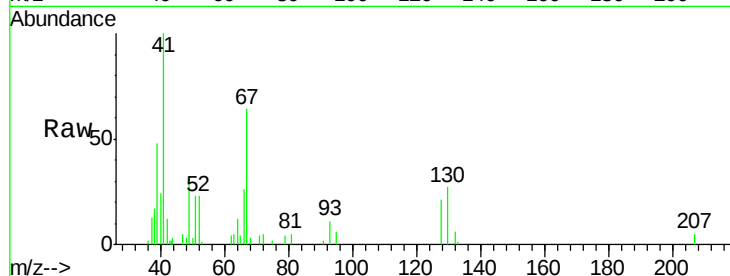
52 35.1 0.0 0.0#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 9.831 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002934.D

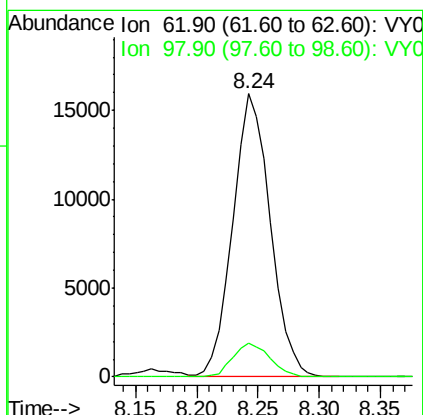
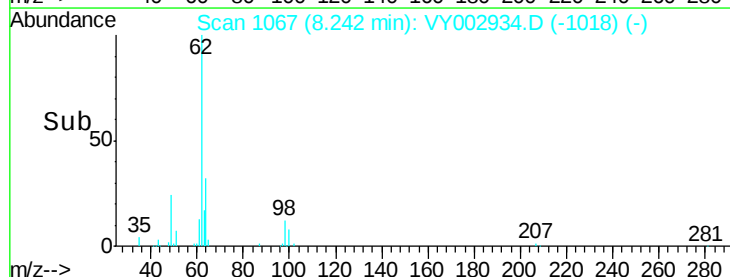
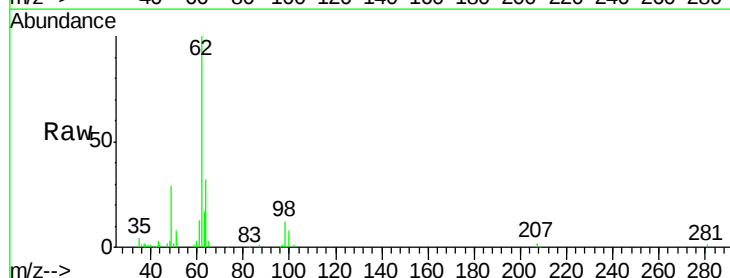
Acq: 19 Jun 2020 13:15

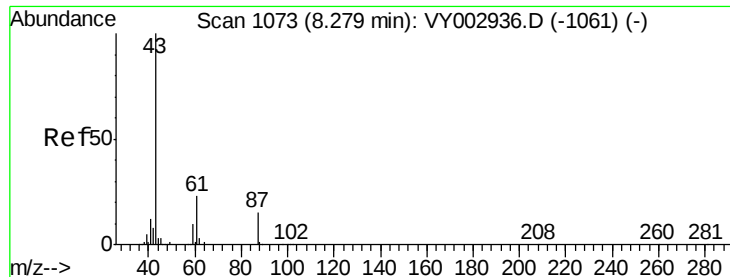
Tgt Ion: 62 Resp: 33988

Ion Ratio Lower Upper

62 100

98 11.7 0.0 22.6





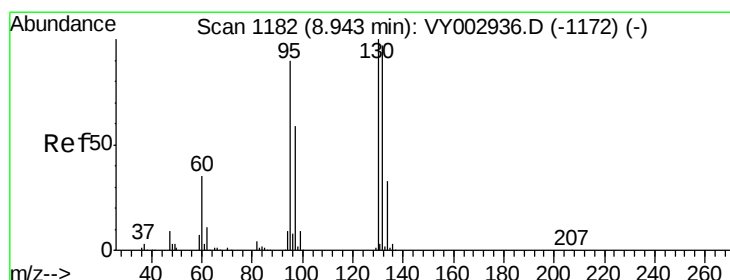
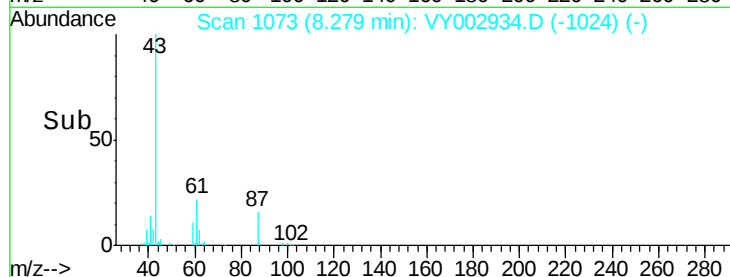
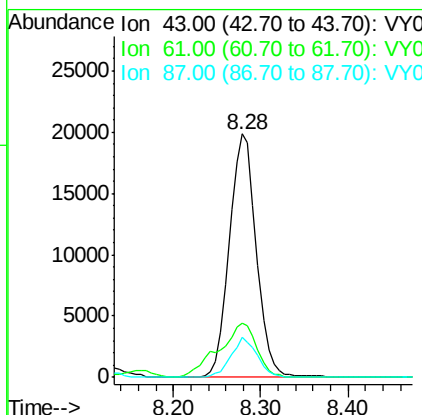
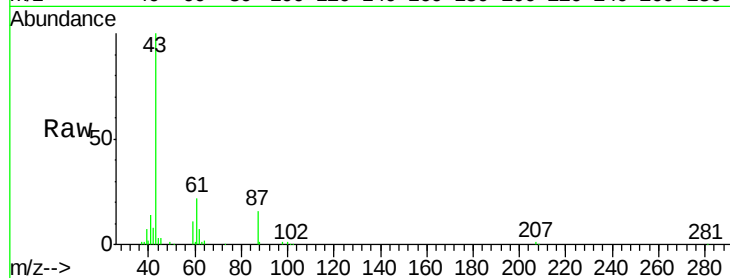
#43
Isopropyl Acetate
Concen: 9.961 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.4
87	15.8	12.6	18.8

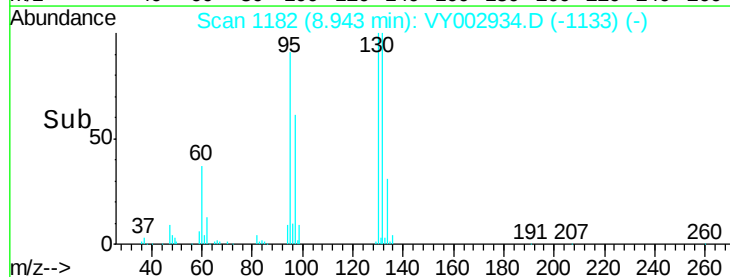
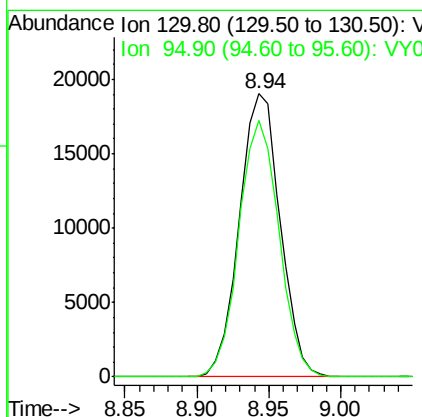
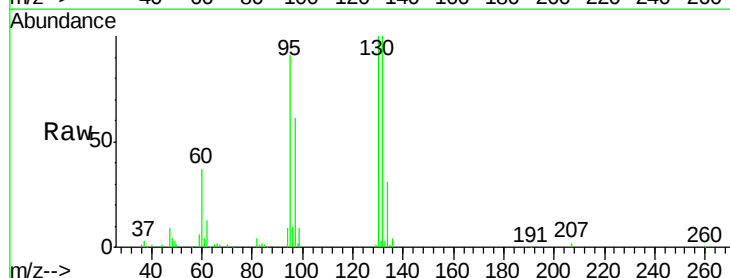
Manual Integrations
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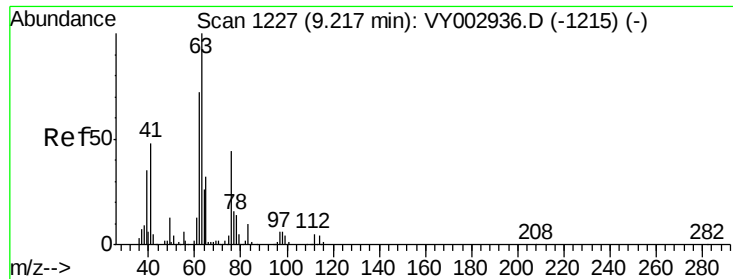
MMDadoda
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#44
Trichloroethene
Concen: 9.671 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	179.6





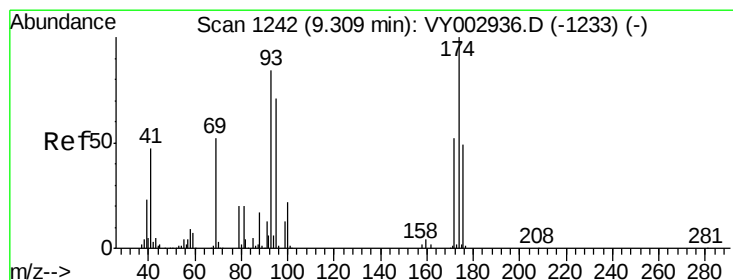
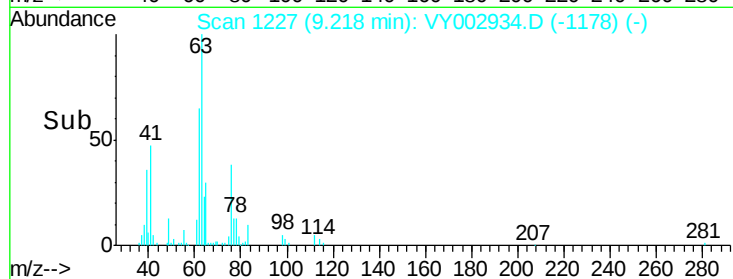
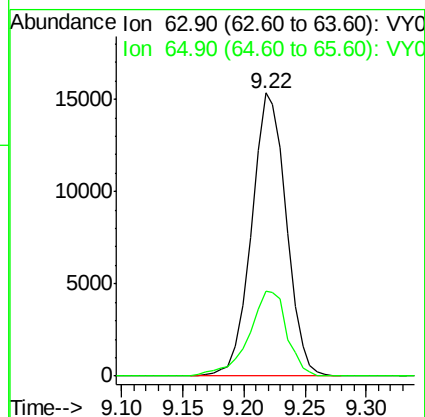
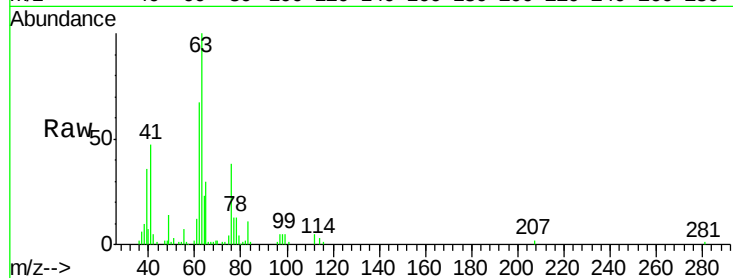
#45
 1,2-Dichloropropane
 Concen: 10.111 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.5	38.3

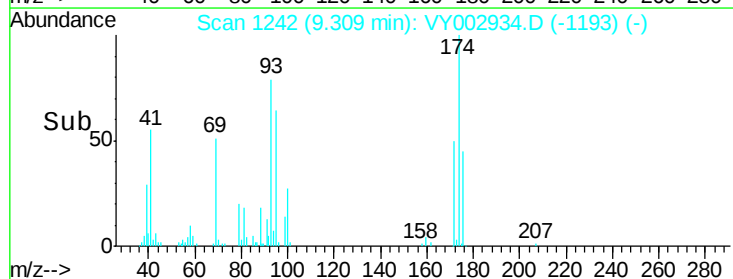
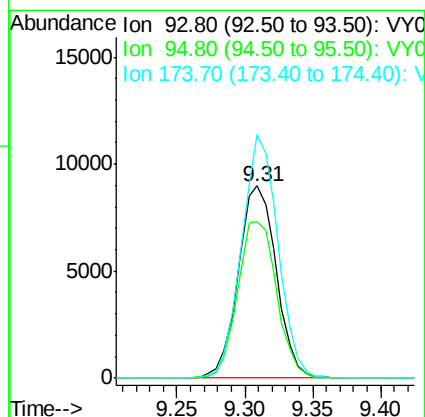
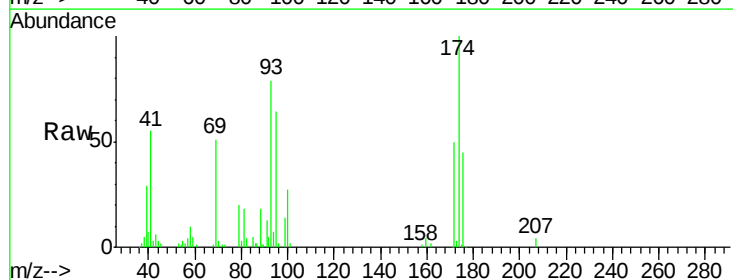
Manual Integrations
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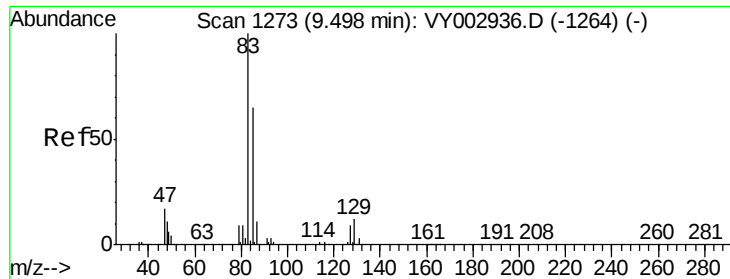
MMDadoda
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#46
 Dibromomethane
 Concen: 9.811 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	121.6	95.1	142.7





#47

Bromodichloromethane

Concen: 10.021 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

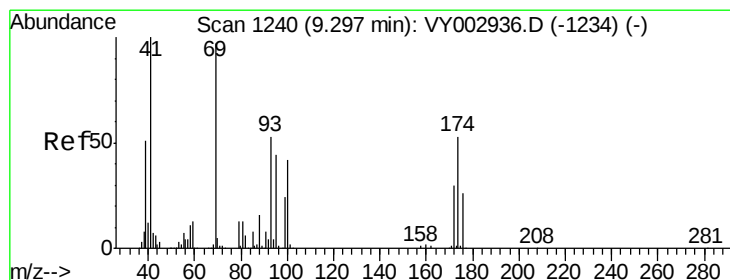
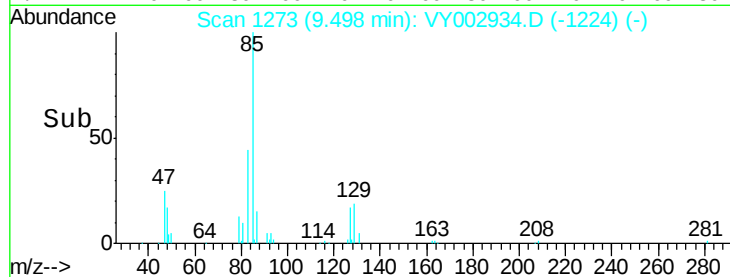
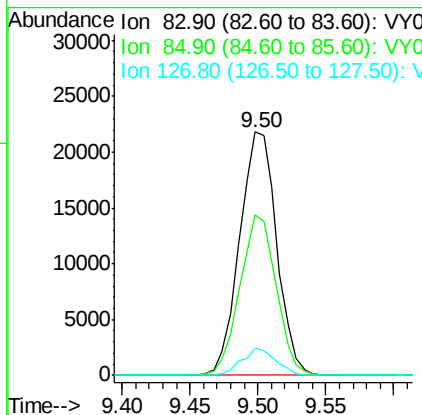
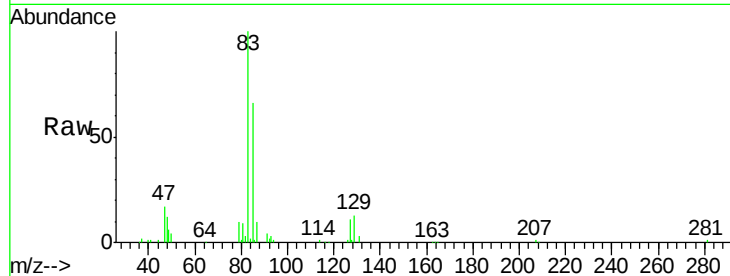
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	41477
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9
127	11.3	7.4	11.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.915 ug/l

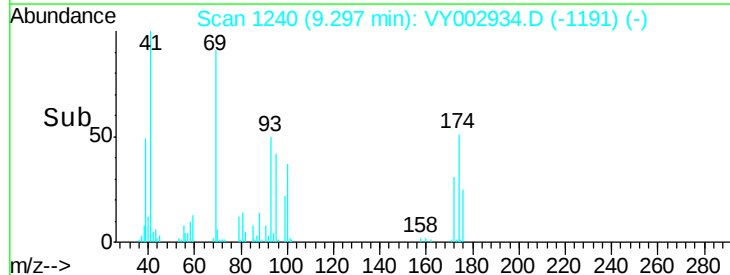
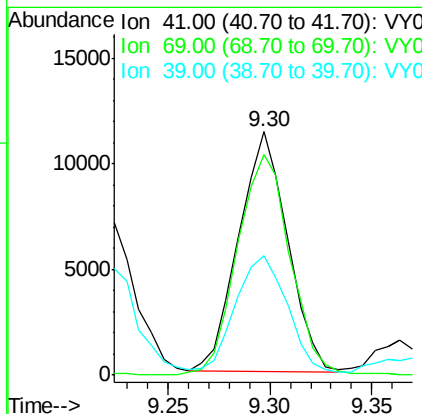
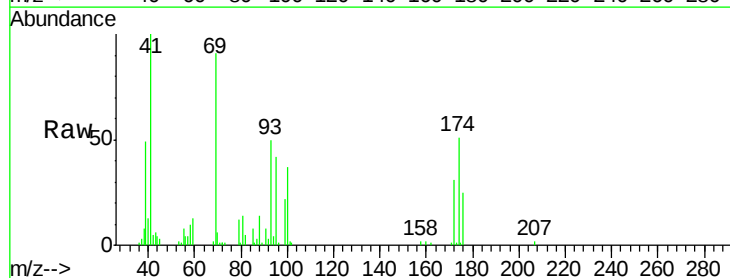
RT: 9.30 min Scan# 1240

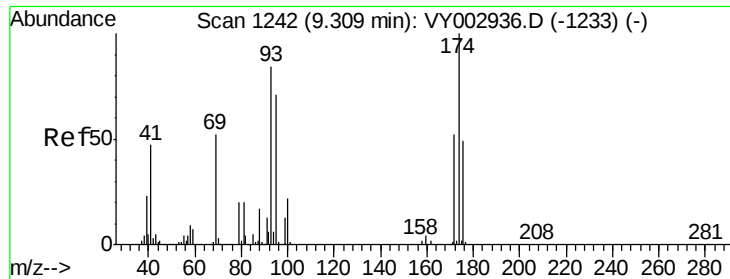
Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	41	Resp:	18890
Ion	Ratio	Lower	Upper
41	100		
69	99.5	79.4	119.0
39	54.0	41.1	61.7





#49

1,4-Dioxane

Concen: 185.085 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

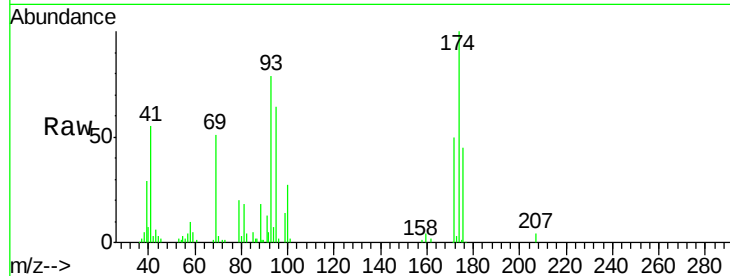
ClientSampleId :

VSTDIC010

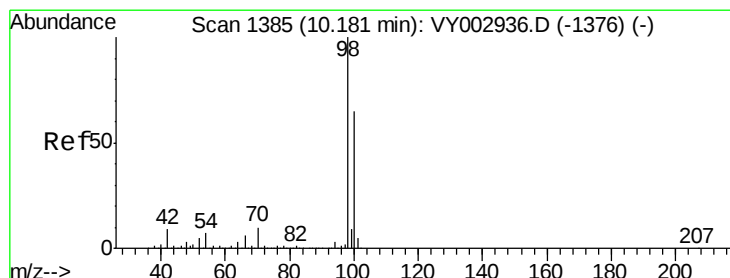
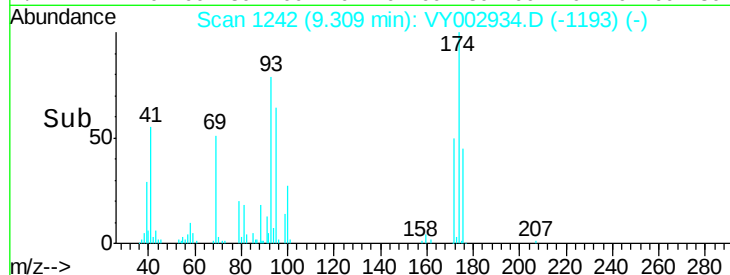
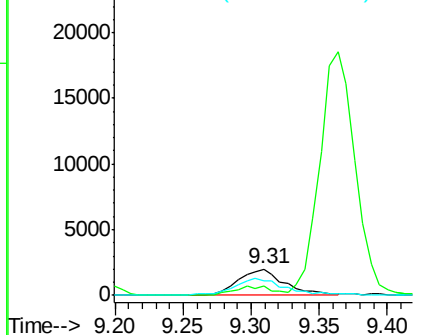
Tot Ion:	88	Resp:	4785
Ion	Ratio	Lower	Upper
88	100		
43	30.2	21.0	31.6
58	73.4	51.5	77.3

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



#50

Toluene-d8

Concen: 9.610 ug/l

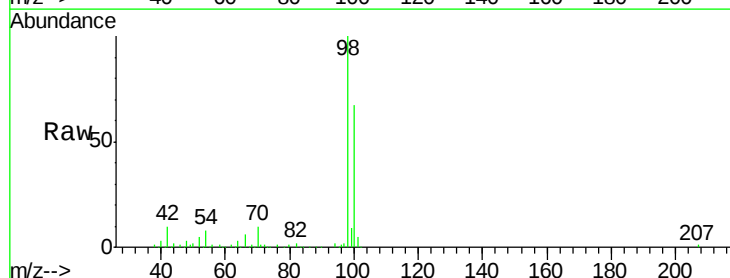
RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

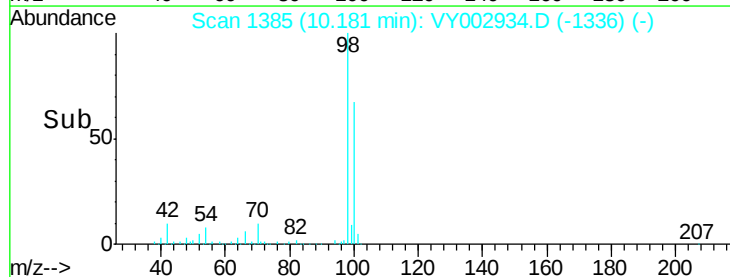
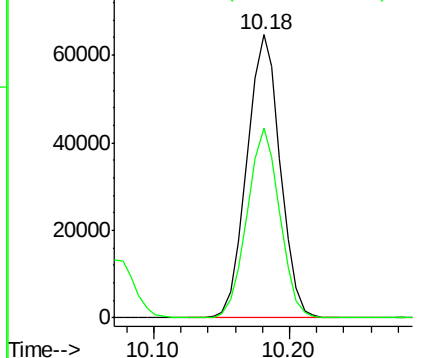
Lab File: VY002934.D

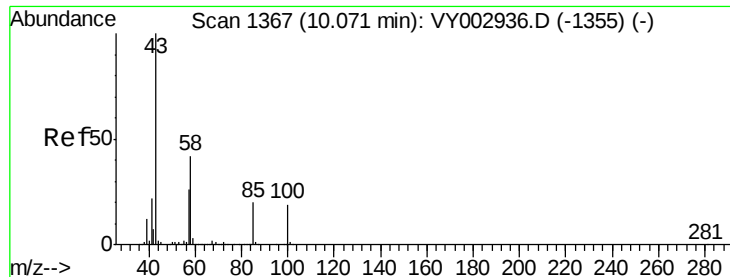
Acq: 19 Jun 2020 13:15

Tgt Ion:	98	Resp:	110830
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.9	77.9



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





#51

4-Methyl-2-Pentanone

Concen: 51.179 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 117108

Ion Ratio Lower Upper

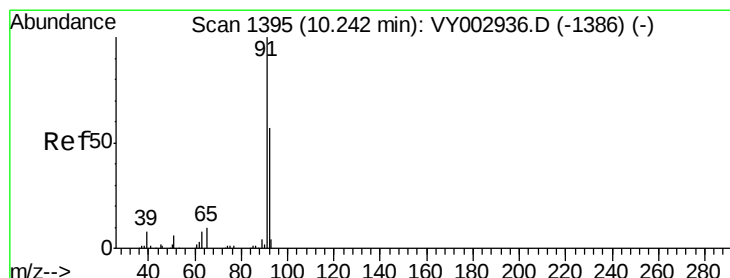
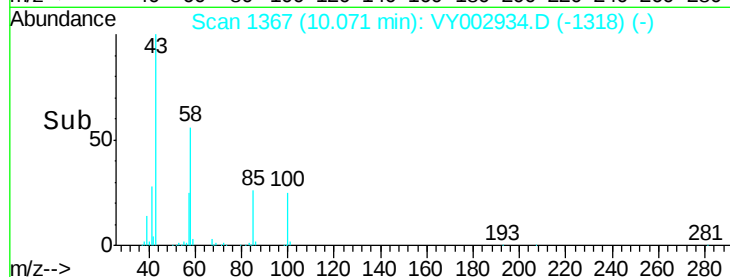
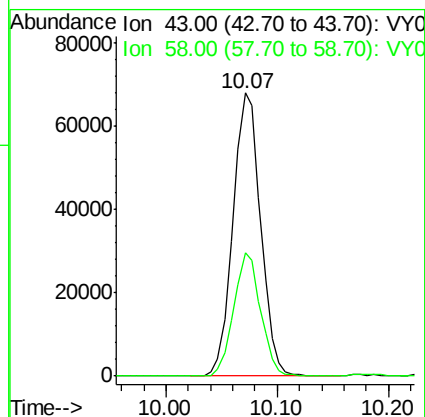
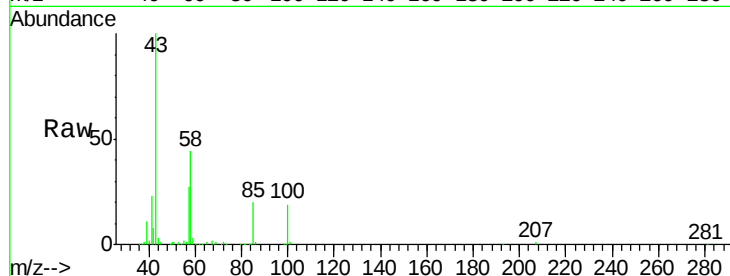
43 100

58 42.1 33.9 50.9

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#52

Toluene

Concen: 9.771 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002934.D

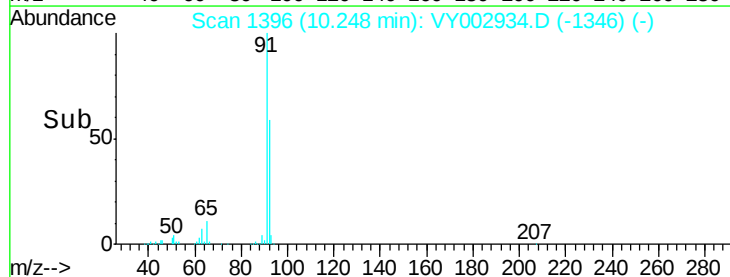
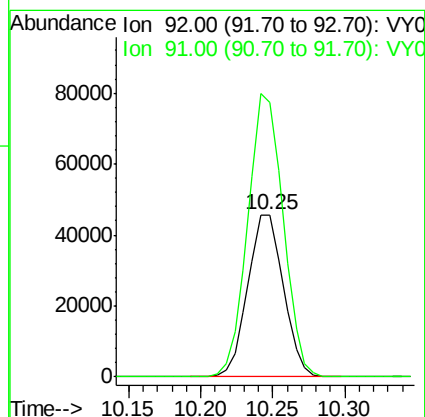
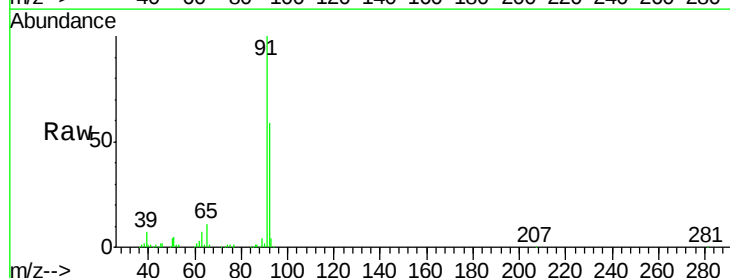
Acq: 19 Jun 2020 13:15

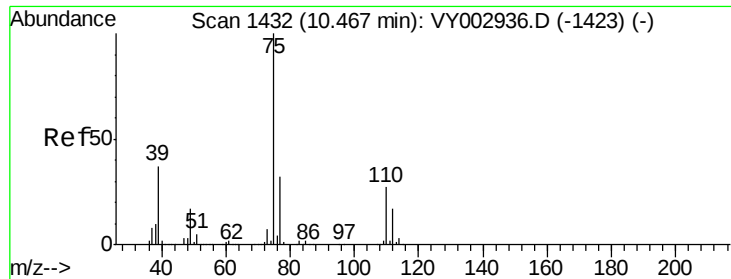
Tgt Ion: 92 Resp: 78516

Ion Ratio Lower Upper

92 100

91 172.7 139.3 208.9





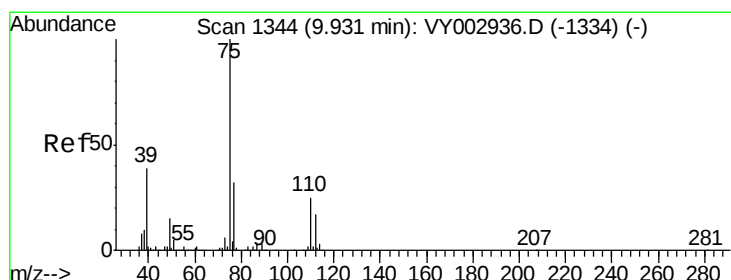
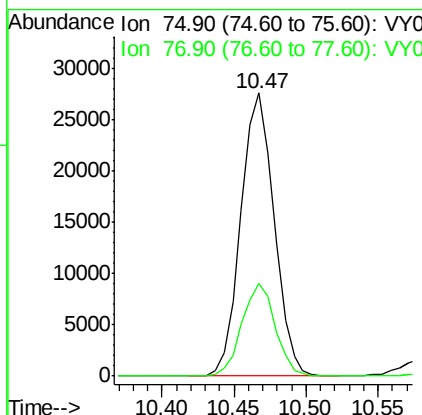
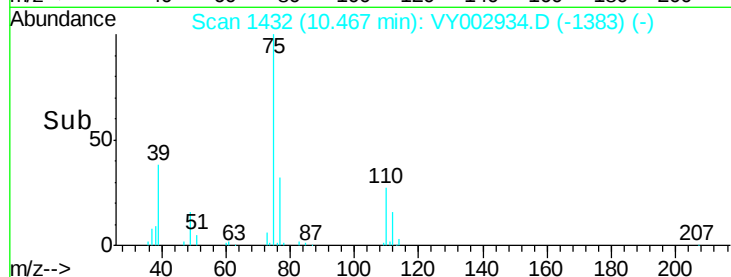
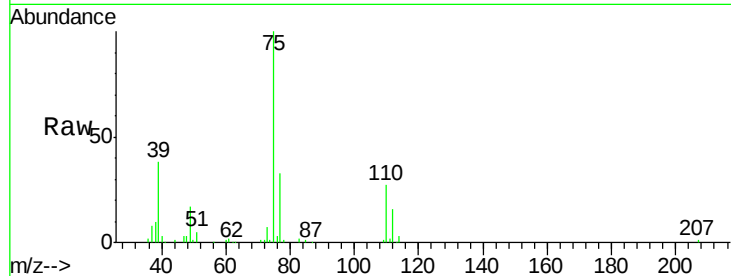
#53
 t-1,3-Dichloropropene
 Concen: 9.899 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9

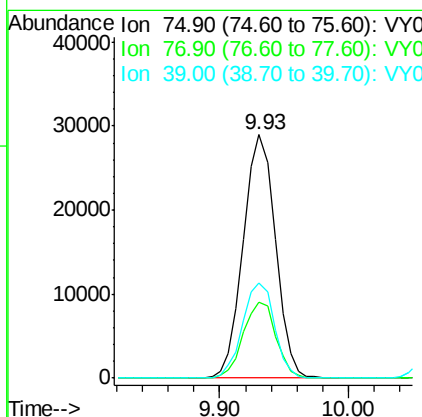
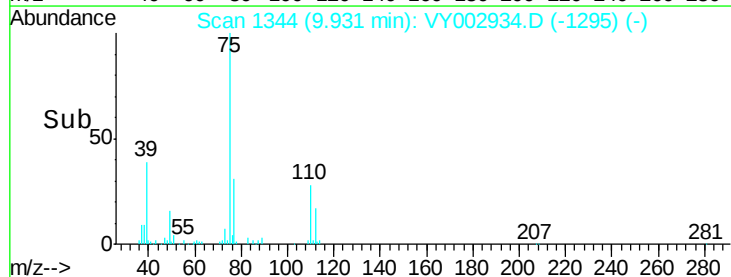
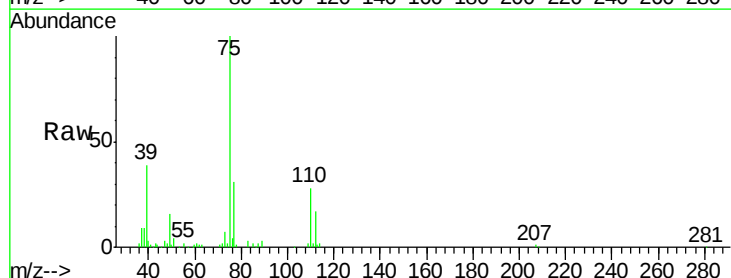
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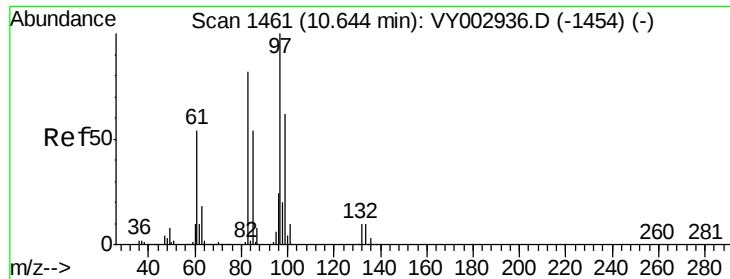
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#54
 cis-1,3-Dichloropropene
 Concen: 9.853 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	38.8	31.4	47.0





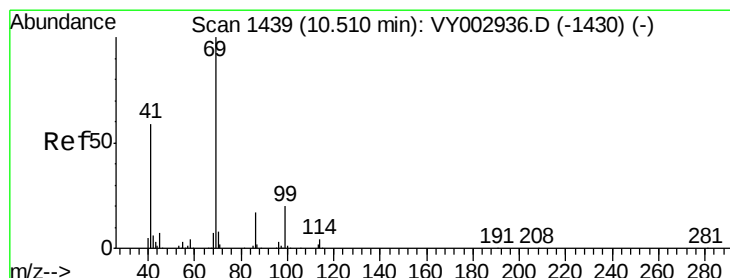
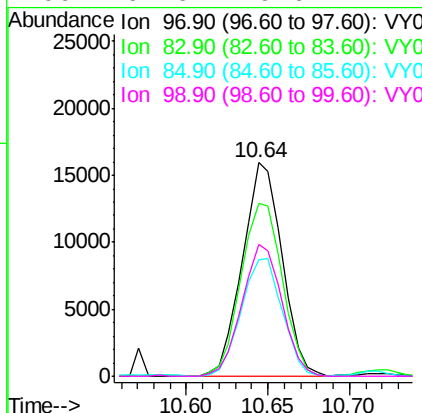
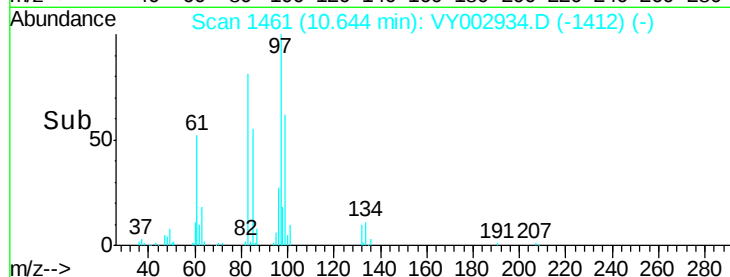
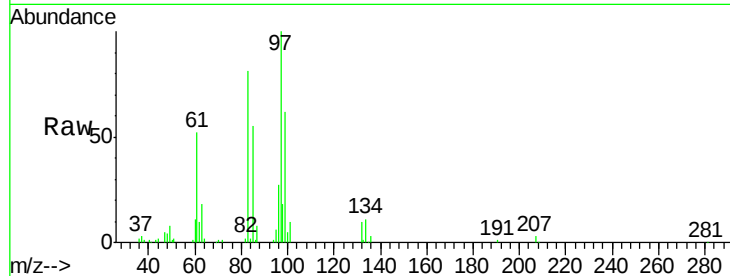
#55
 1,1,2-Trichloroethane
 Concen: 10.057 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		26940		
83	80.9	65.9	98.9		
85	54.8	43.1	64.7		
99	61.6	49.6	74.4		

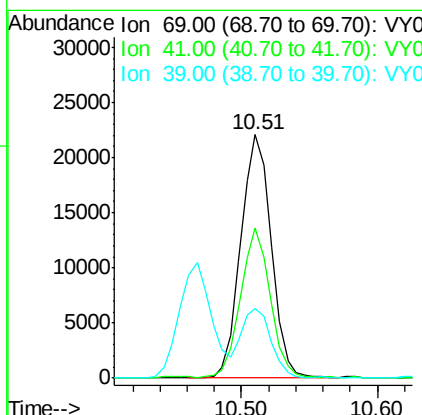
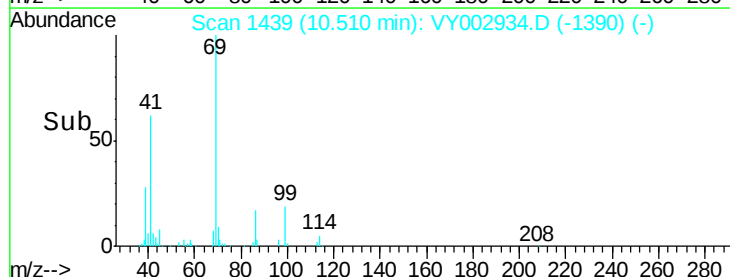
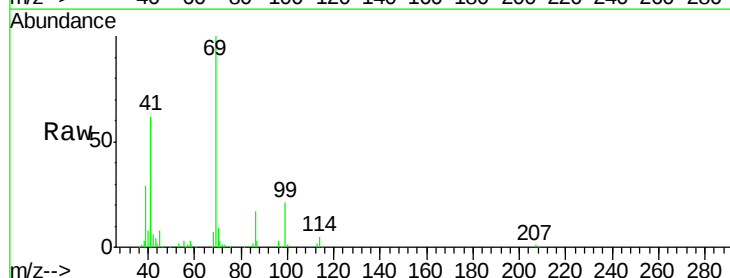
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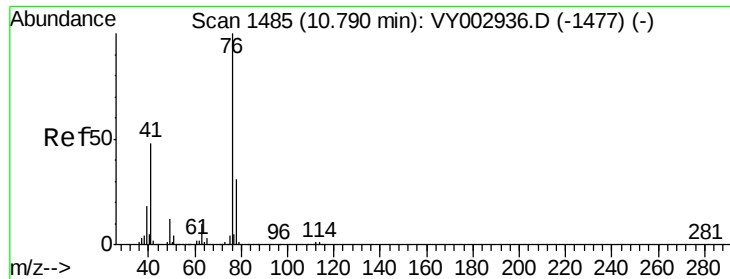
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 6/22/2020 2:06:50 PM



#56
 Ethyl methacrylate
 Concen: 9.820 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34648		
41	60.4	46.4	69.6		
39	28.2	21.4	32.0		





#57

1,3-Dichloropropane

Concen: 9.994 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 44682

Ion Ratio Lower Upper

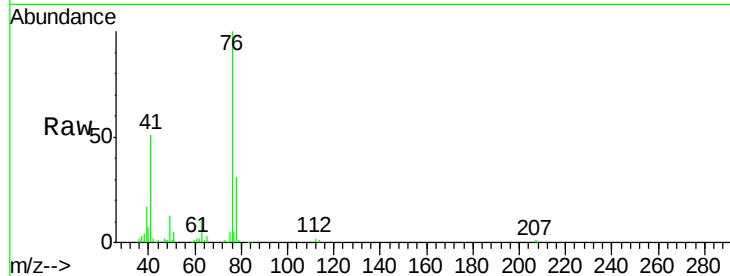
76 100

78 31.6 25.4 38.2

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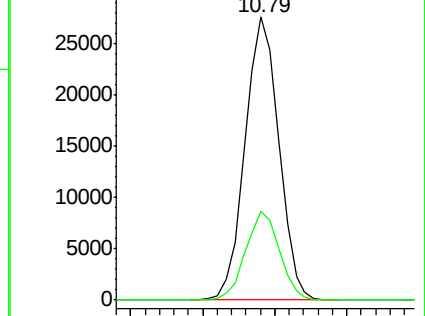
MMDadoda

6/22/2020 2:06:50 PM

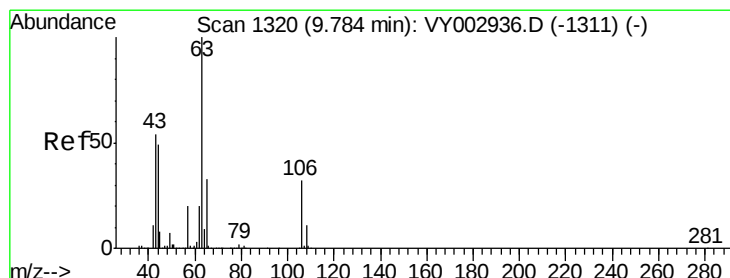
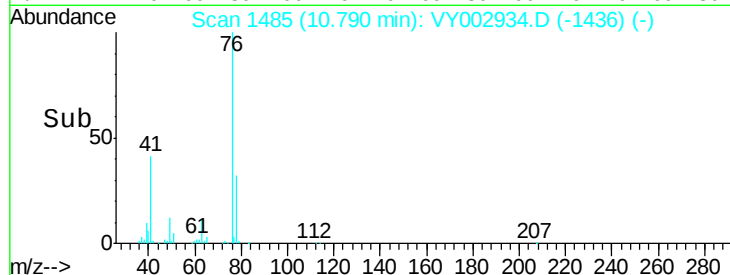


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 49.504 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002934.D

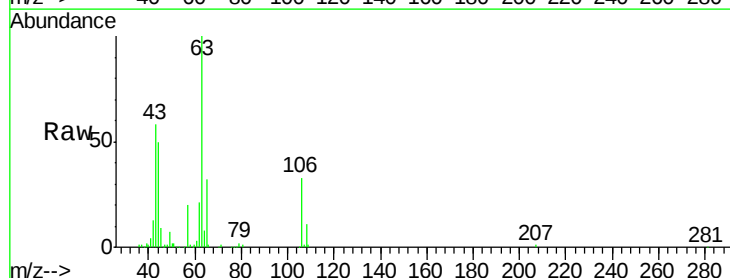
Acq: 19 Jun 2020 13:15

Tgt Ion: 63 Resp: 87390

Ion Ratio Lower Upper

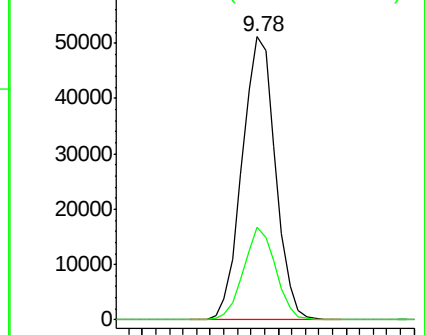
63 100

106 31.4 25.6 38.4

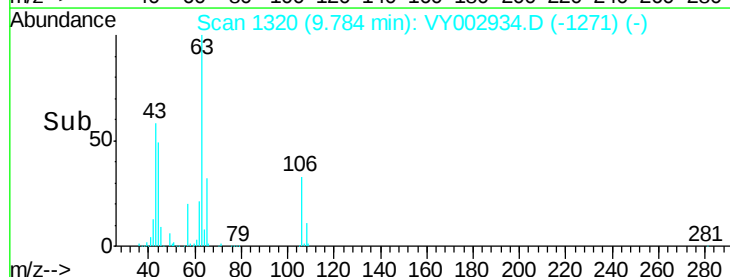


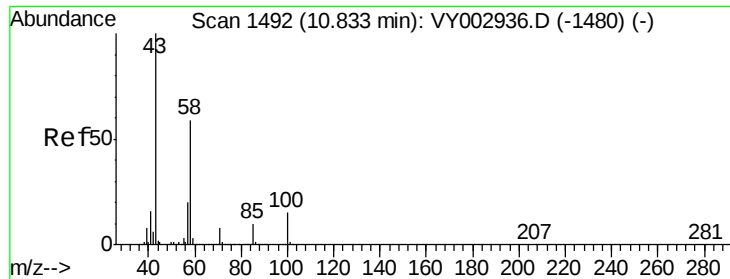
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.70 9.75 9.80 9.85





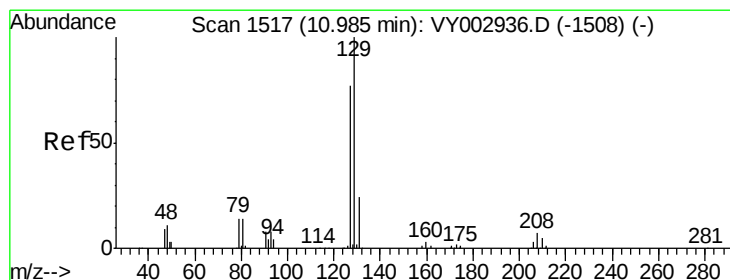
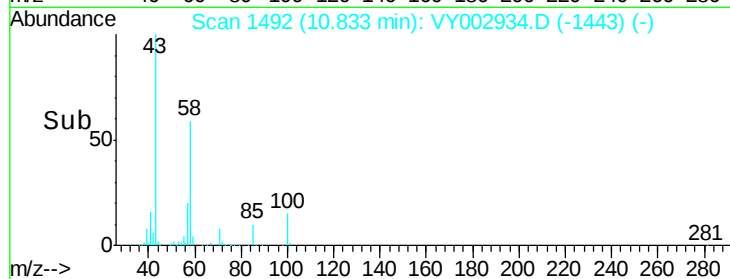
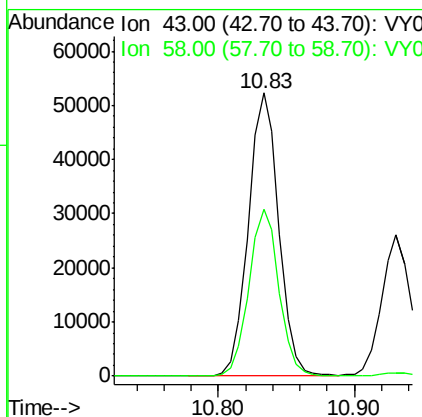
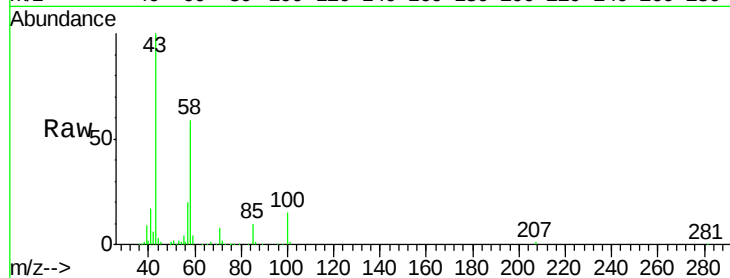
#59
2-Hexanone
Concen: 51.171 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 81827
Ion Ratio Lower Upper
43 100
58 58.5 29.7 89.1

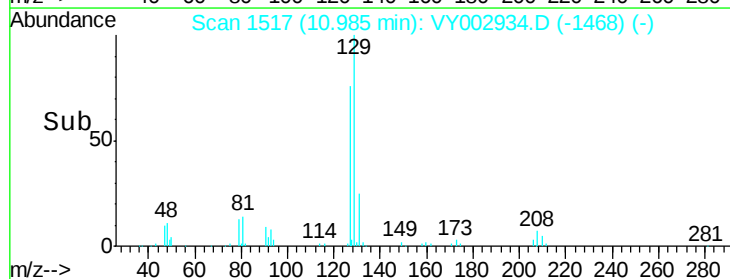
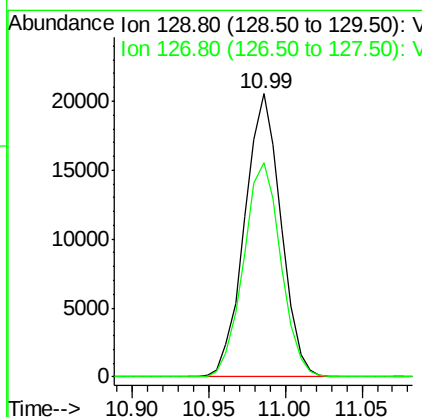
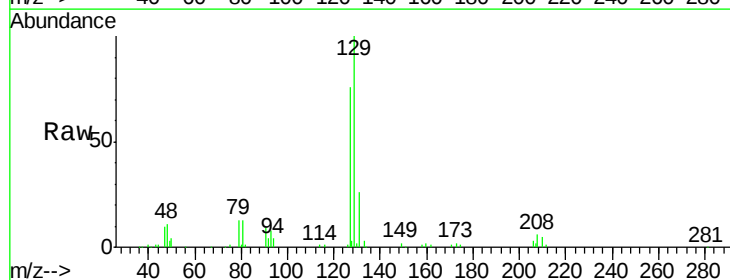
Manual Integrations
APPROVED

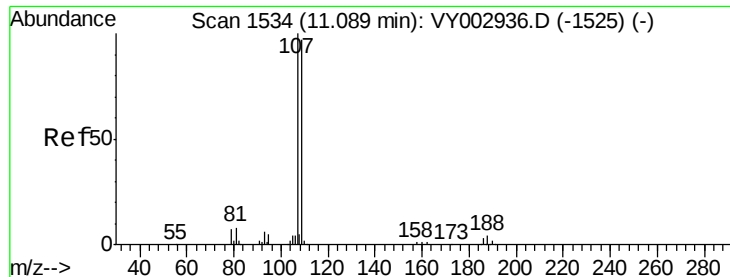
MMDadoda
6/22/2020 2:06:50 PM



#60
Dibromochloromethane
Concen: 10.019 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion: 129 Resp: 33890
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





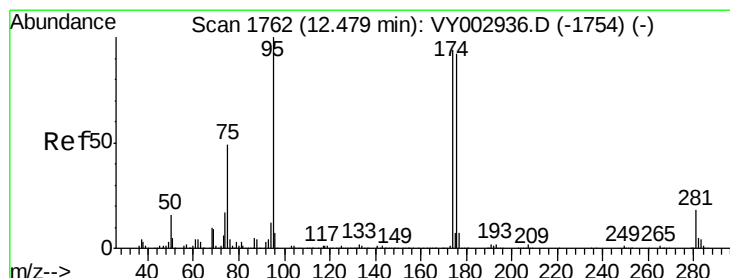
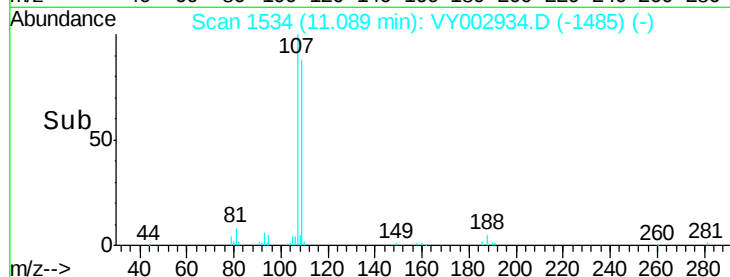
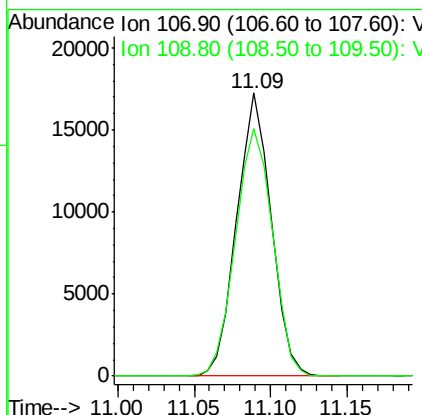
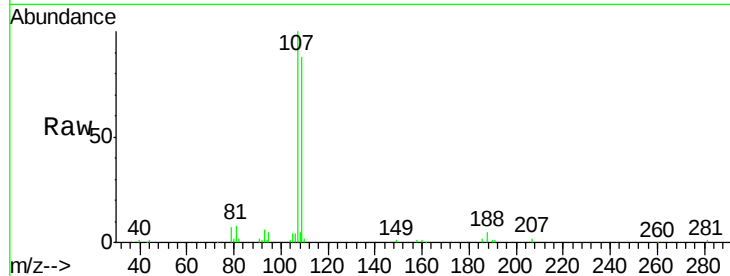
#61
1,2-Dibromoethane
Concen: 10.201 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 107 Resp: 26953
Ion Ratio Lower Upper
107 100
109 94.4 76.6 114.8

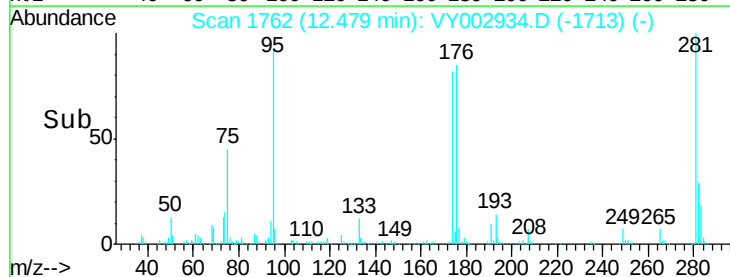
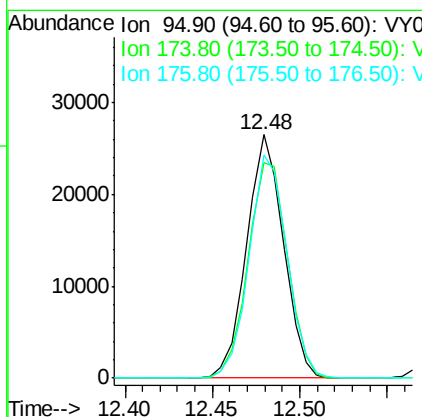
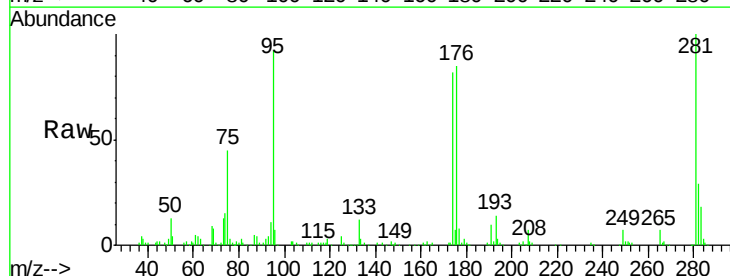
Manual Integrations
APPROVED

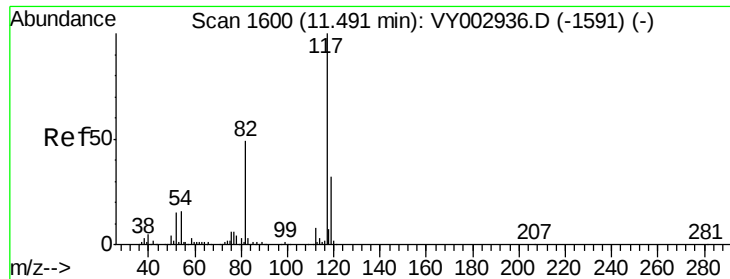
MMDadoda
6/22/2020 2:06:50 PM



#62
4-Bromofluorobenzene
Concen: 9.560 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion: 95 Resp: 38760
Ion Ratio Lower Upper
95 100
174 95.4 0.0 191.2
176 94.2 0.0 186.0





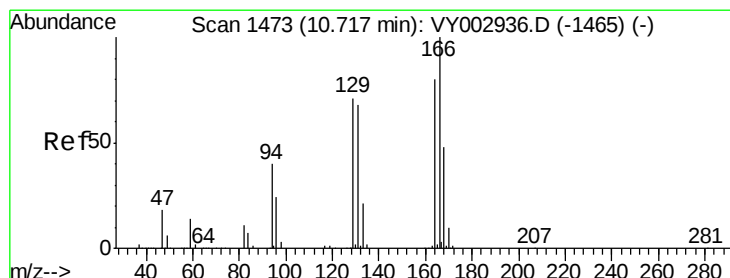
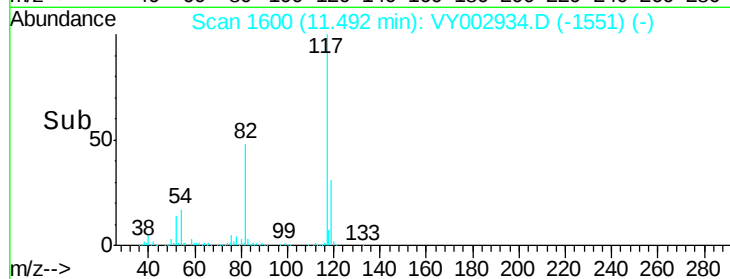
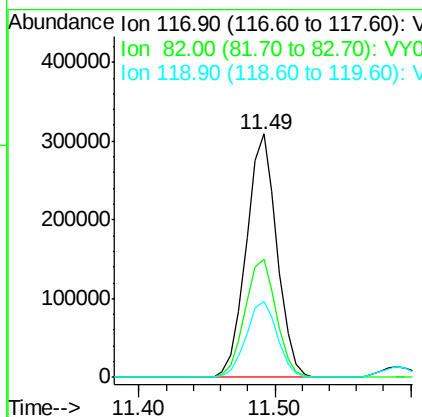
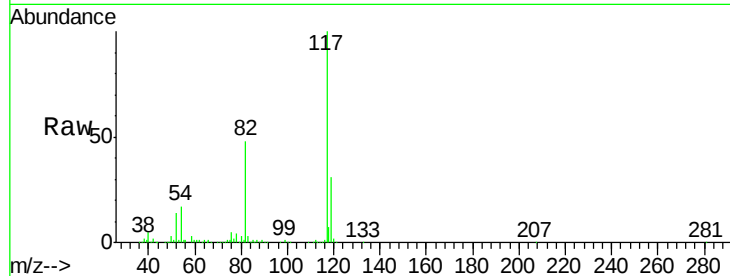
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	485386		
82	48.3		39.4	59.0
119	31.4		25.4	38.0

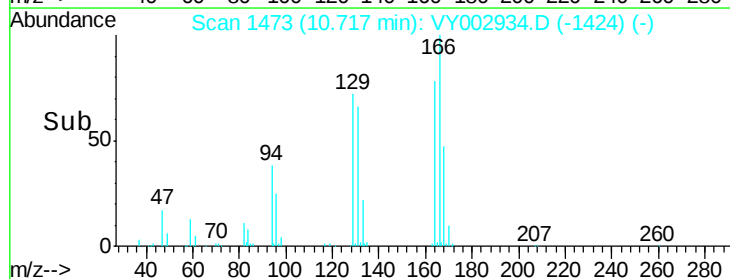
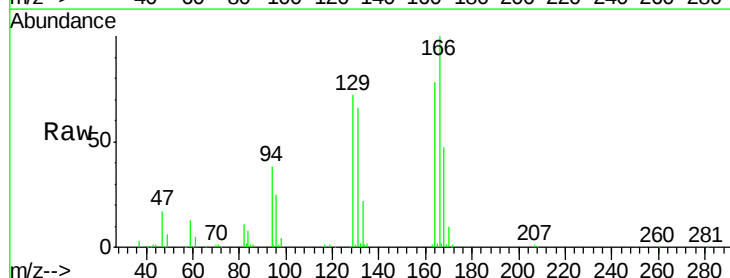
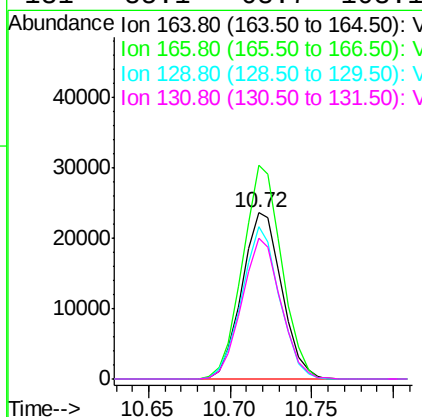
Manual Integrations
APPROVED

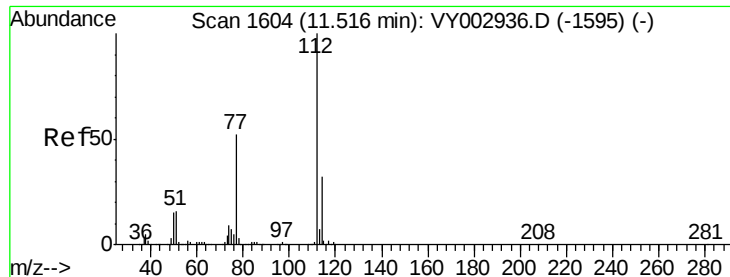
MMDadoda
6/22/2020 2:06:50 PM



#64
Tetrachloroethene
Concen: 9.738 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40018		
166	128.8		100.5	150.7
129	92.1		71.1	106.7
131	85.1		68.7	103.1





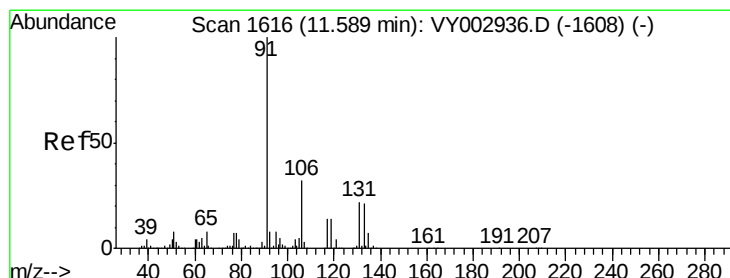
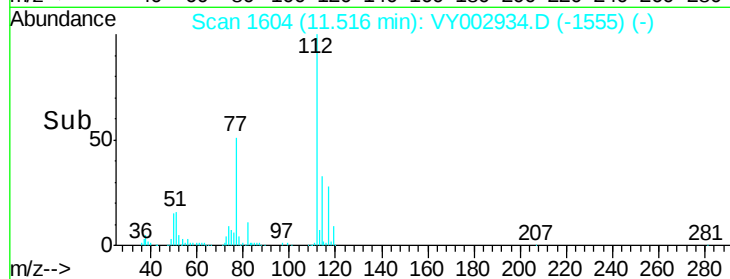
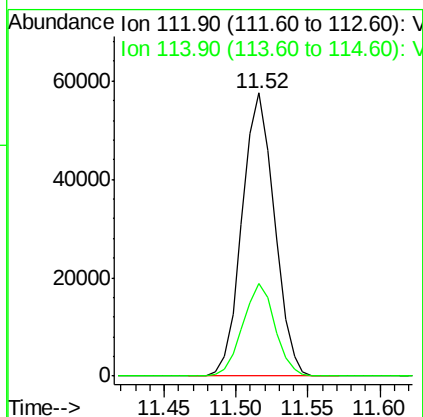
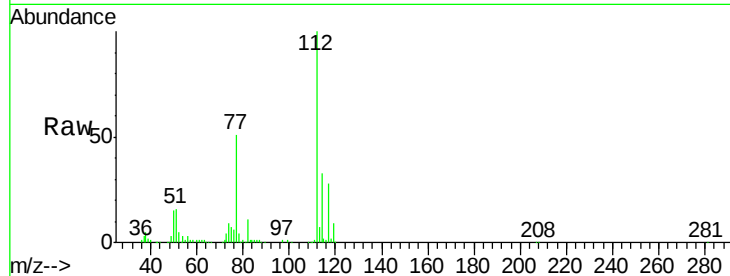
#65
Chlorobenzene
Concen: 9.765 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

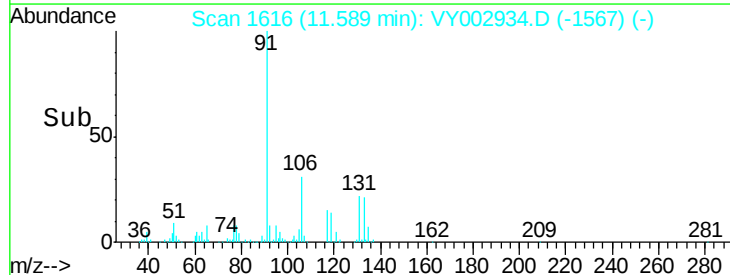
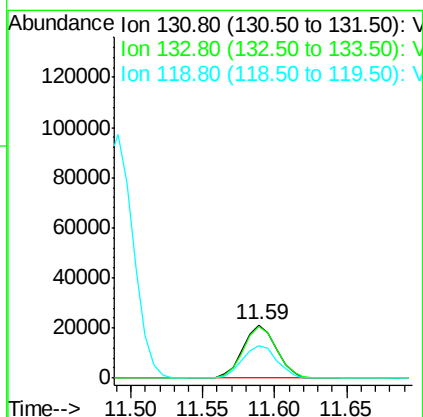
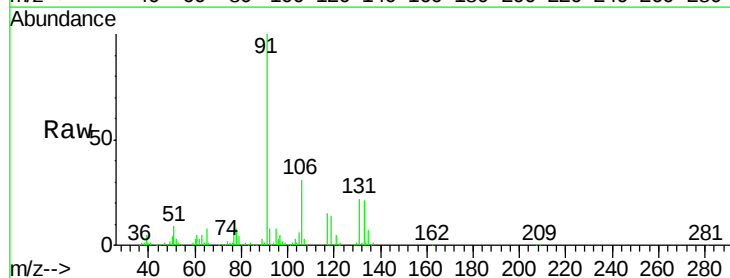
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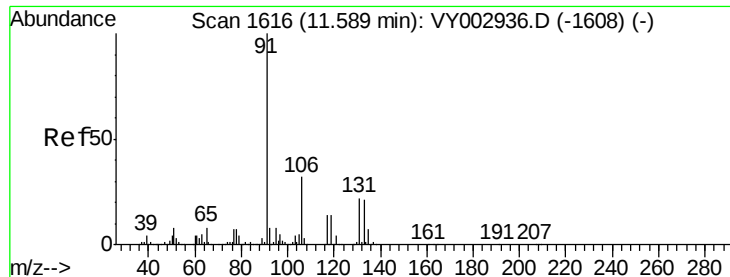
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.800 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.7	143.1
119	64.2	31.5	94.5





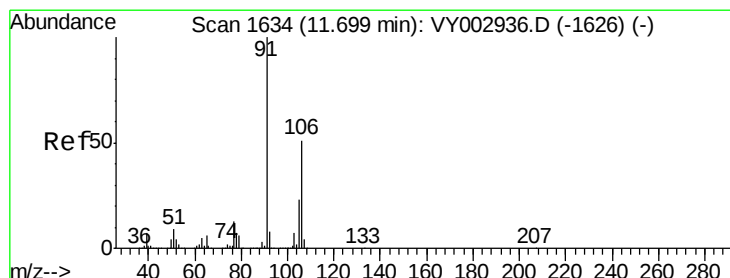
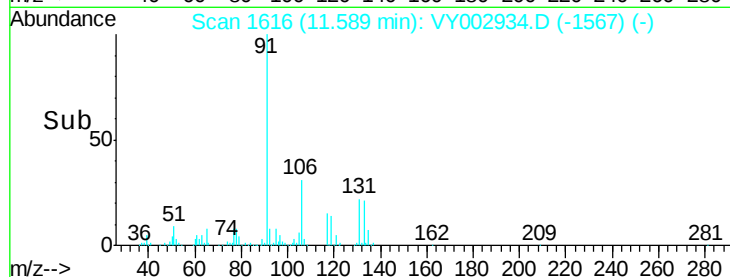
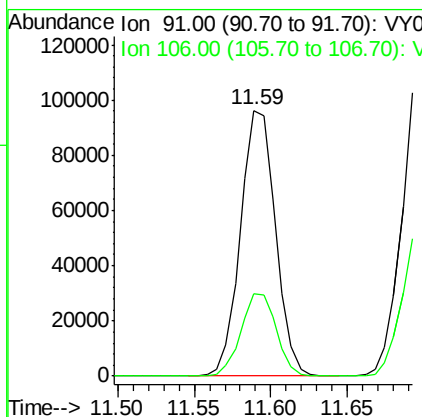
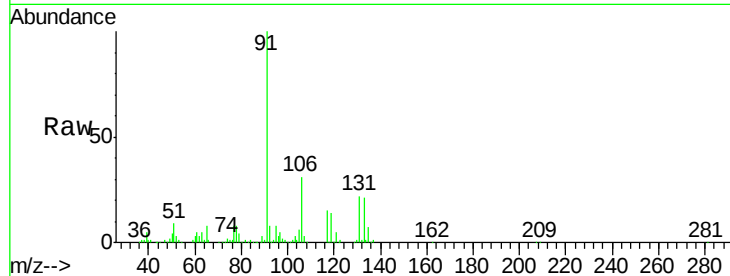
#67
Ethyl Benzene
Concen: 9.675 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 153070
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8

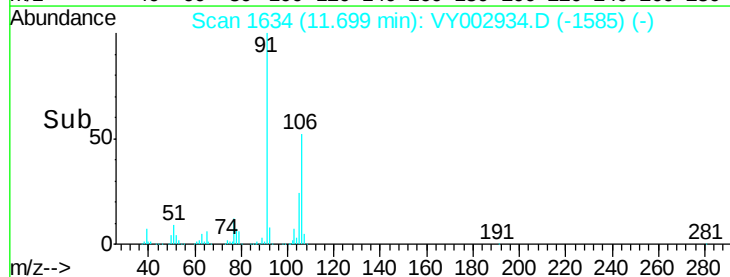
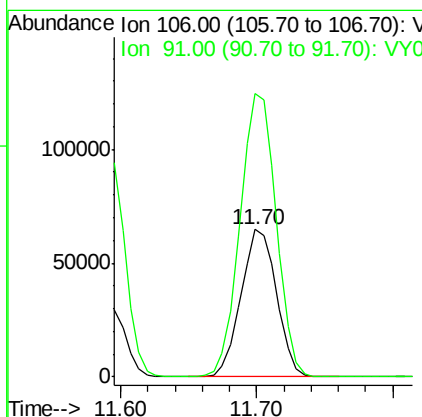
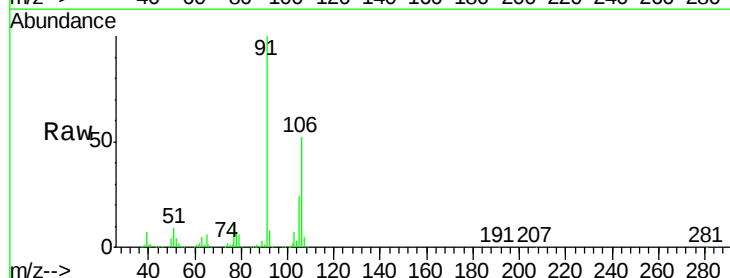
Manual Integrations
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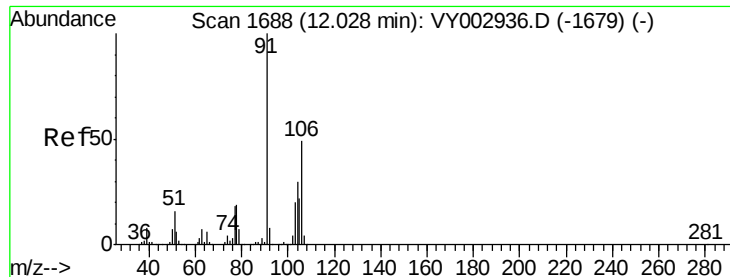
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#68
m/p-Xylenes
Concen: 19.280 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion: 106 Resp: 118514
Ion Ratio Lower Upper
106 100
91 195.0 155.9 233.9





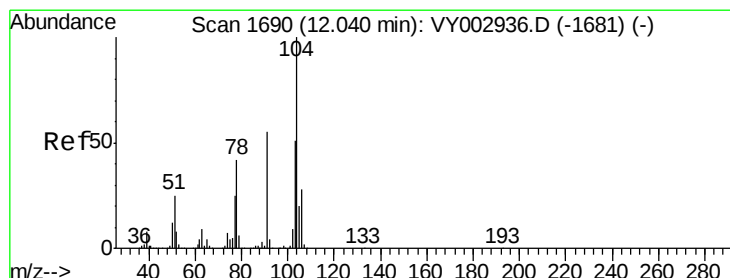
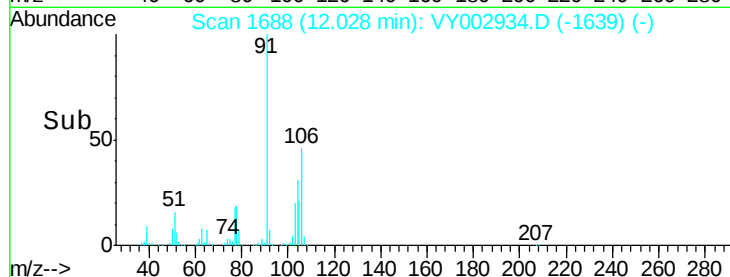
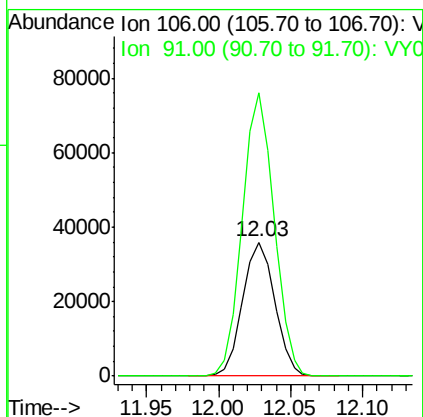
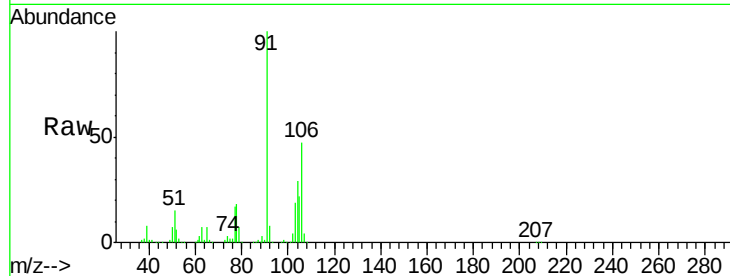
#69
o-Xylene
Concen: 9.658 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 55970
Ion Ratio Lower Upper
106 100
91 207.3 102.1 306.1

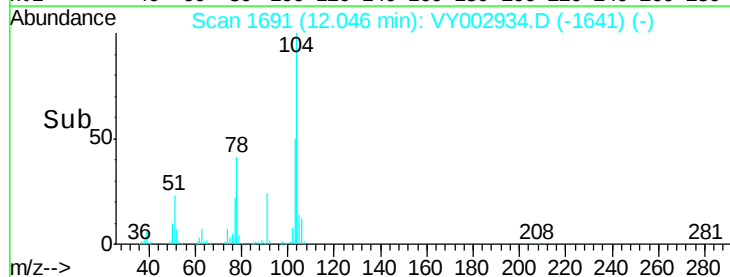
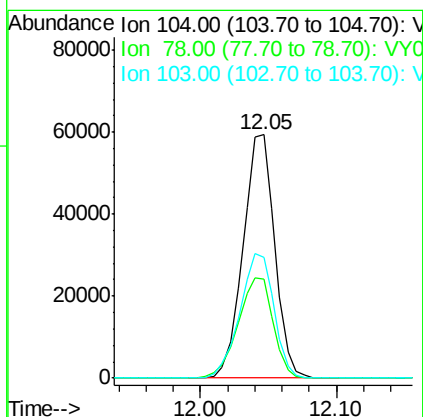
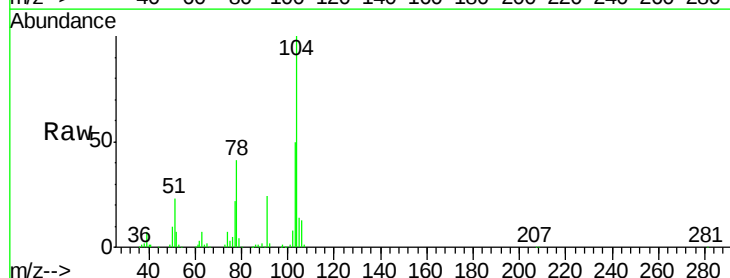
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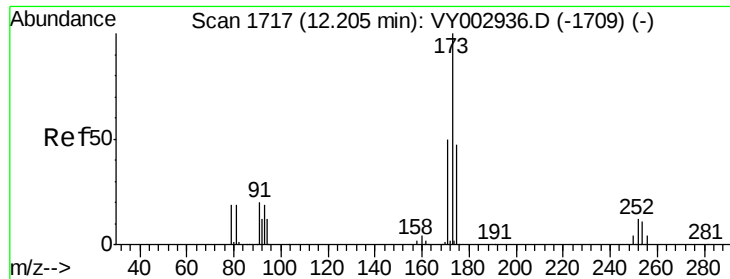
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#70
Styrene
Concen: 9.685 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion:104 Resp: 96645
Ion Ratio Lower Upper
104 100
78 45.6 36.9 55.3
103 55.1 43.7 65.5





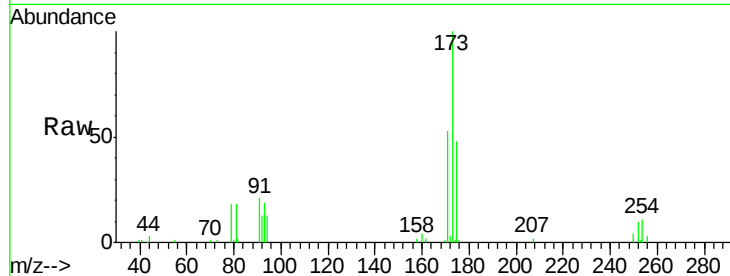
#71
Bromoform
Concen: 9.993 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

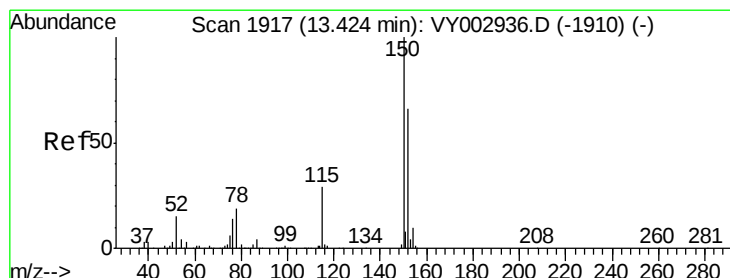
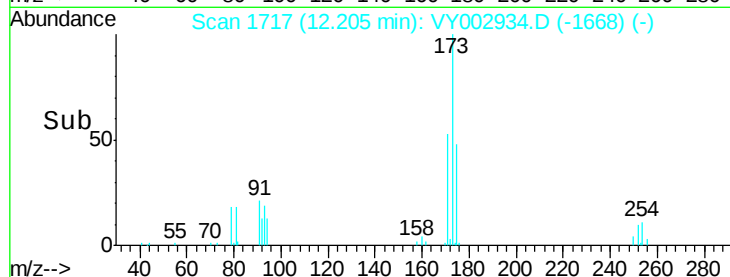
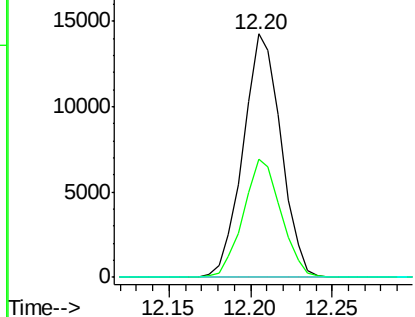
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.8
254	0.0	0.1	0.1#

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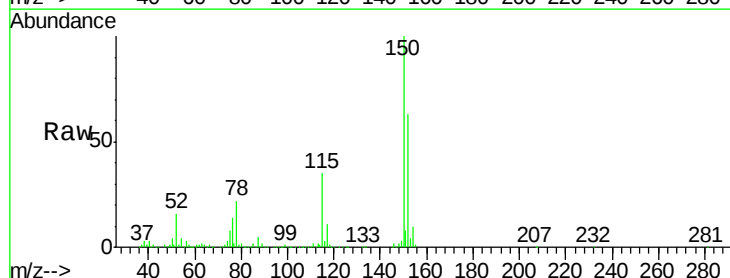


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

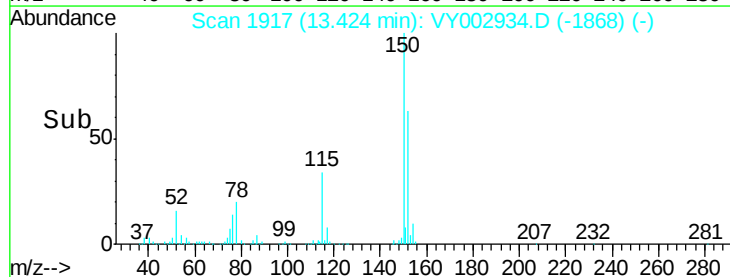
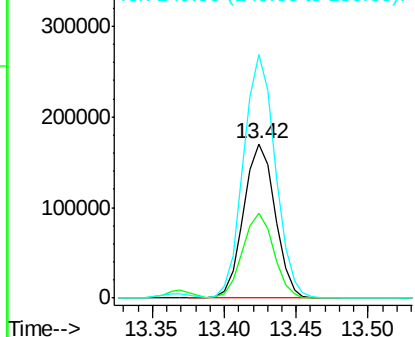


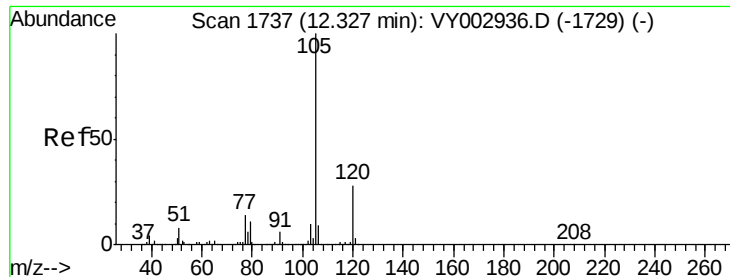
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.9	80.6
150	159.5	0.0	341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





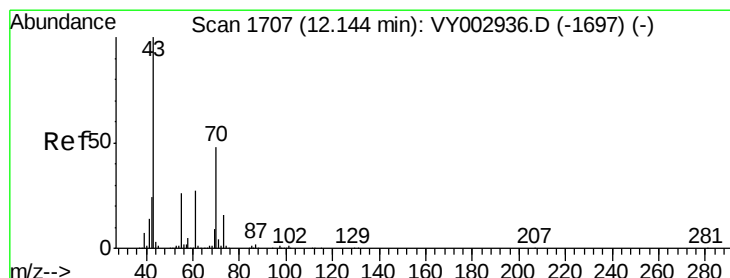
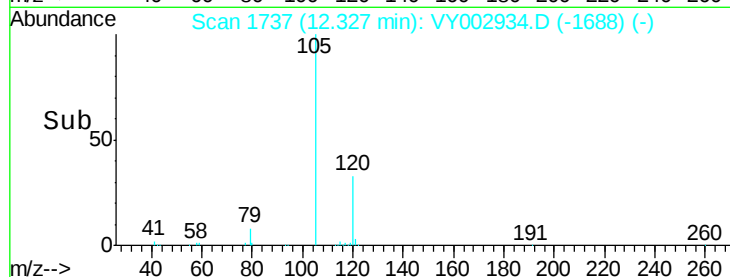
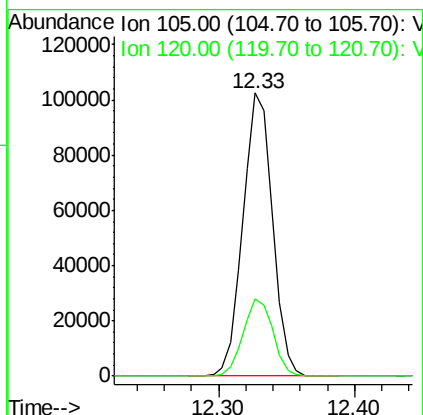
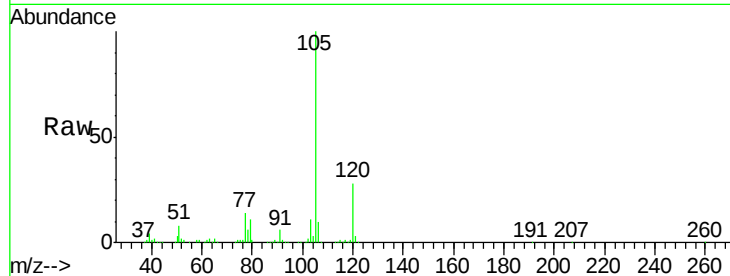
#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	14.0	41.9

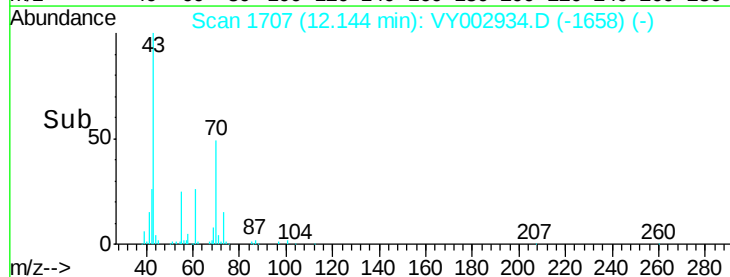
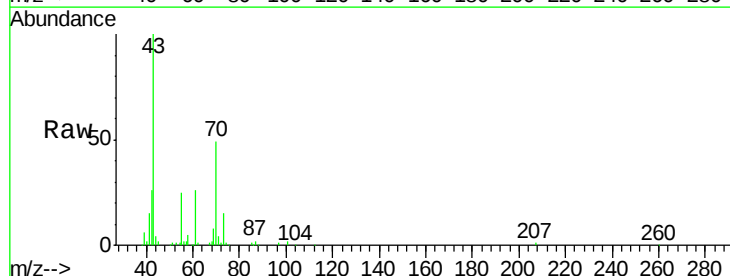
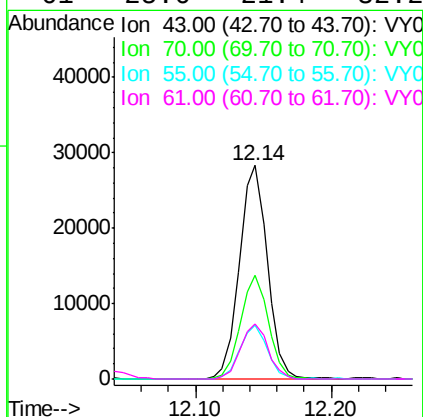
Manual Integrations
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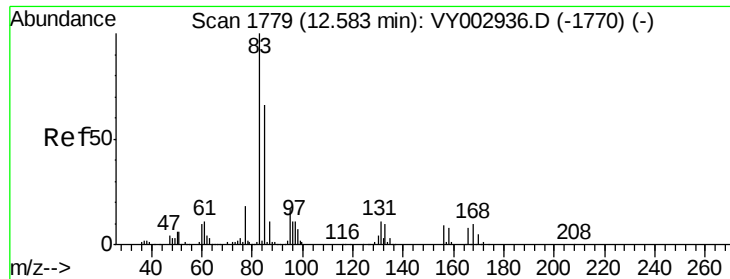
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#74
N-ethyl acetate
Concen: 10.157 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.4	38.0	57.0
55	24.5	20.3	30.5
61	25.6	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 10.193 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

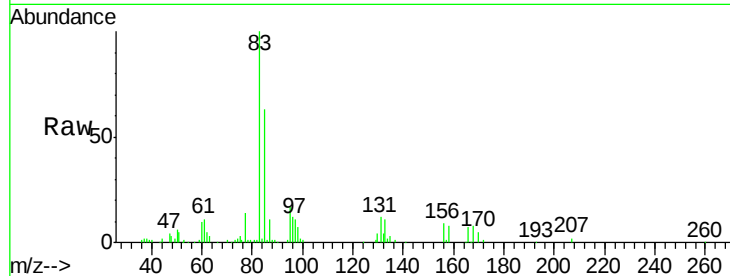
ClientSampleId :

VSTDIC010

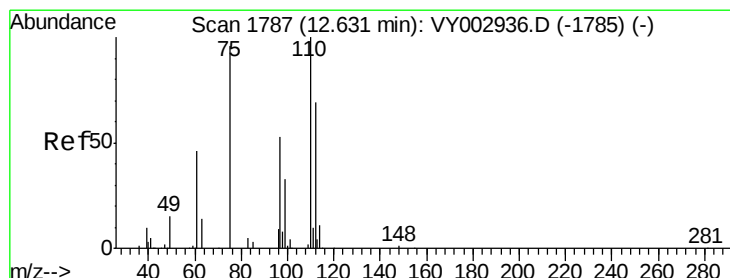
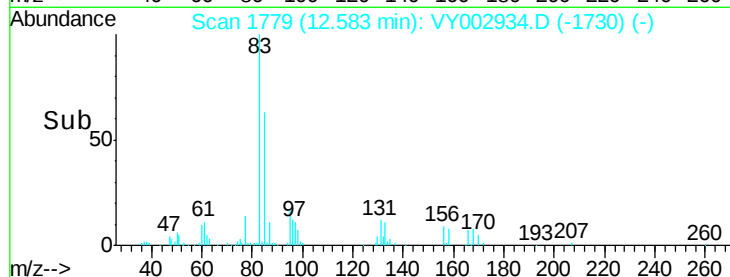
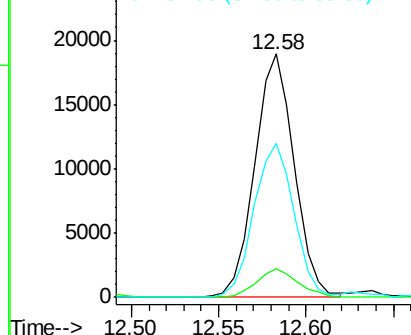
Tot Ion:	83	Resp:	29788
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.9	17.7
85	64.4	32.8	98.3

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



#76

1,2,3-Trichloropropane

Concen: 6.343 ug/l m

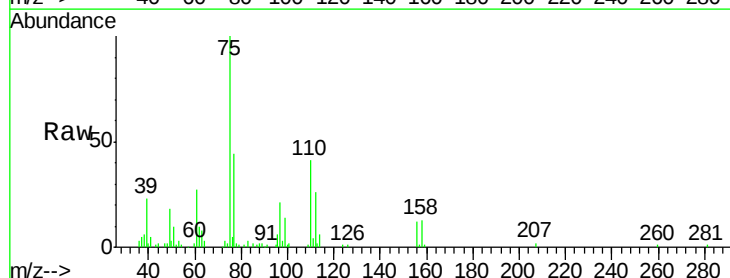
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

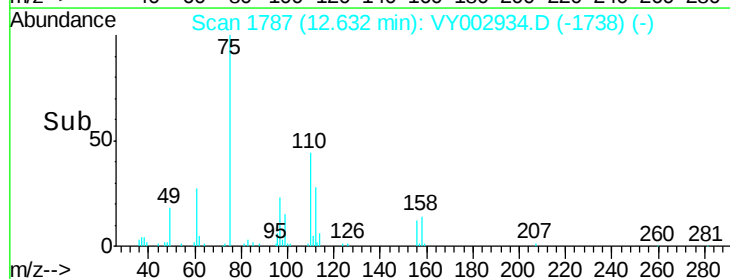
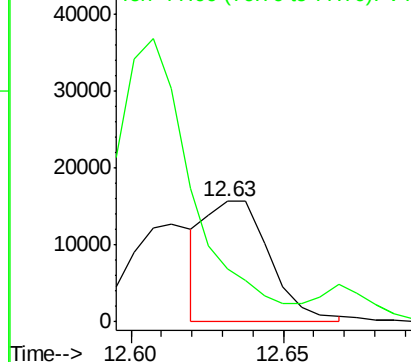
Lab File: VY002934.D

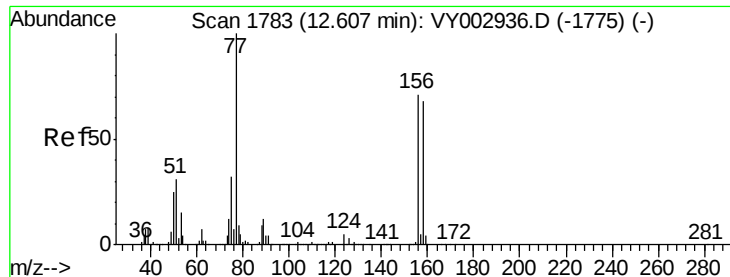
Acq: 19 Jun 2020 13:15

Tgt Ion:	75	Resp:	23228
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





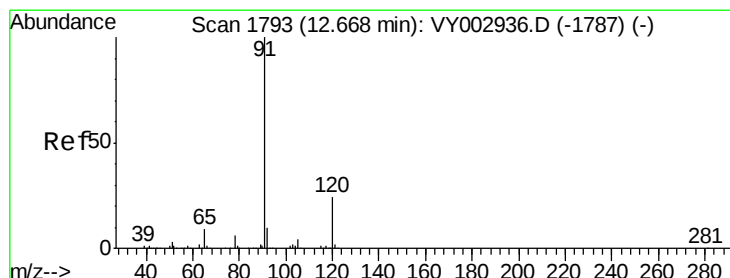
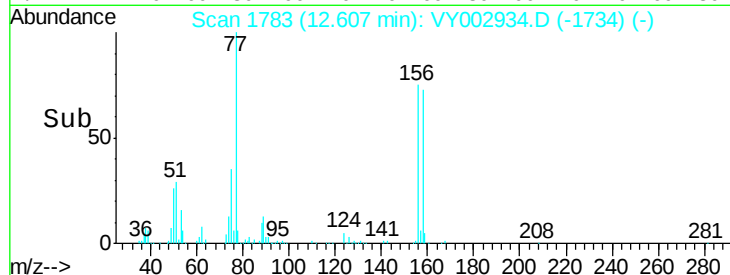
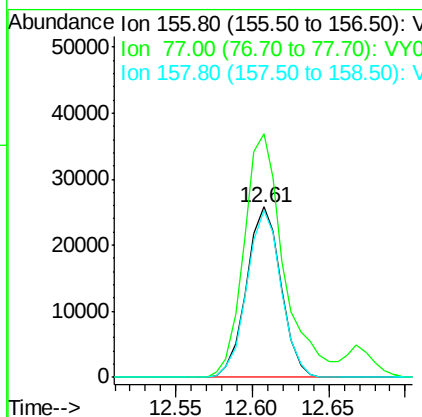
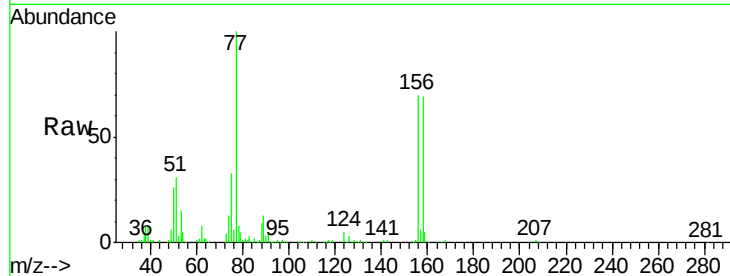
#77
Bromobenzene
Concen: 9.742 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.9	80.5	241.5
158	97.7	48.2	144.6

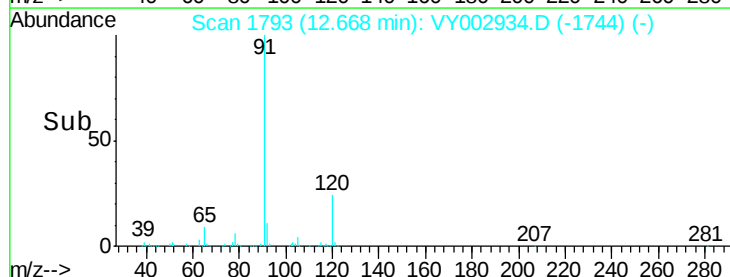
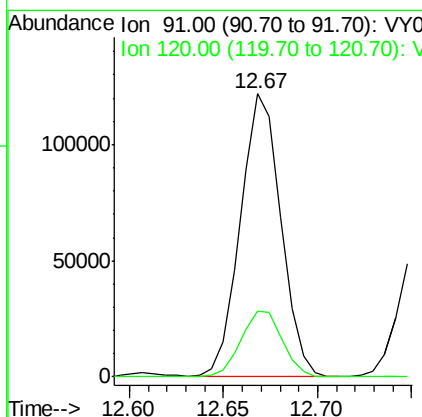
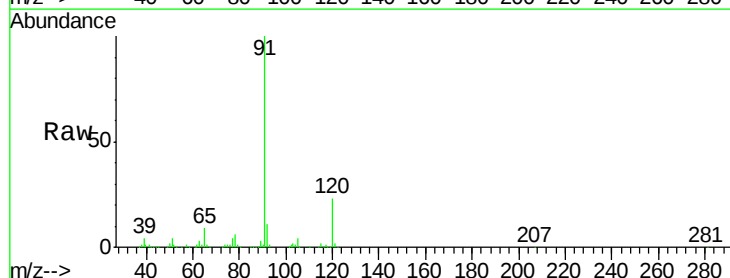
Manual Integrations
APPROVED

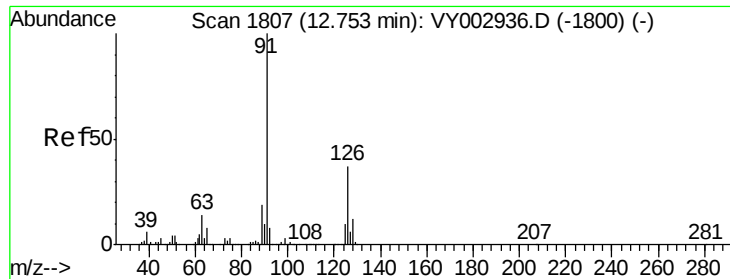
MMDadoda
6/22/2020 2:06:50 PM



#78
n-propylbenzene
Concen: 9.895 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.9





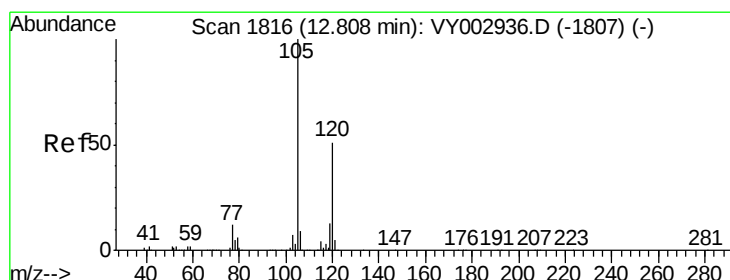
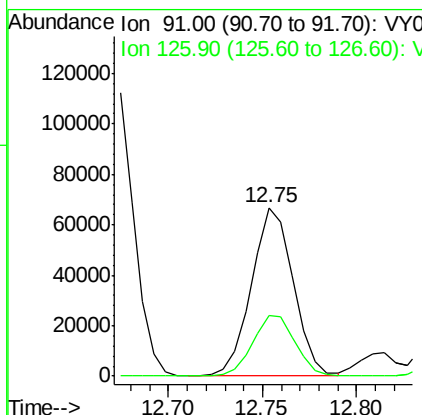
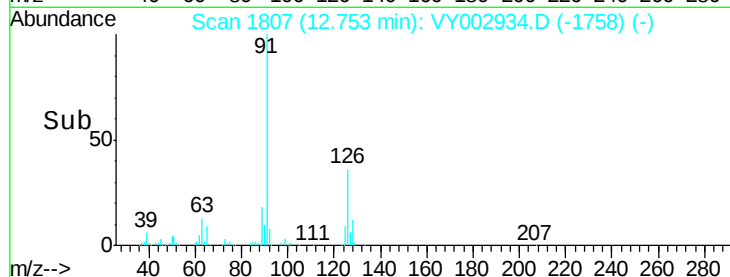
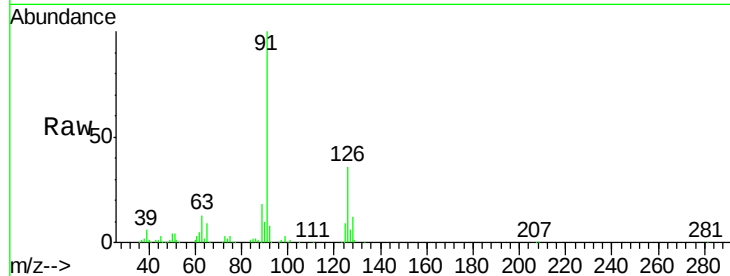
#79
2-Chlorotoluene
Concen: 9.995 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 102703
Ion Ratio Lower Upper
91 100
126 36.9 18.5 55.5

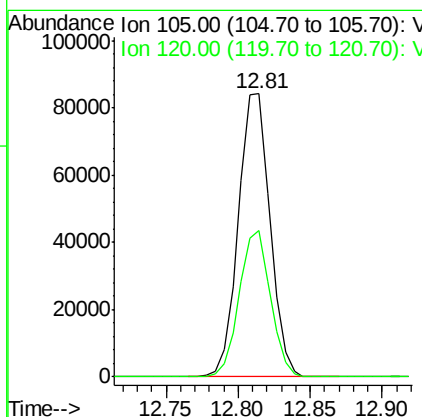
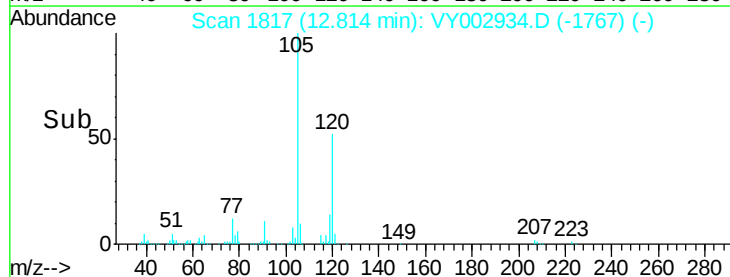
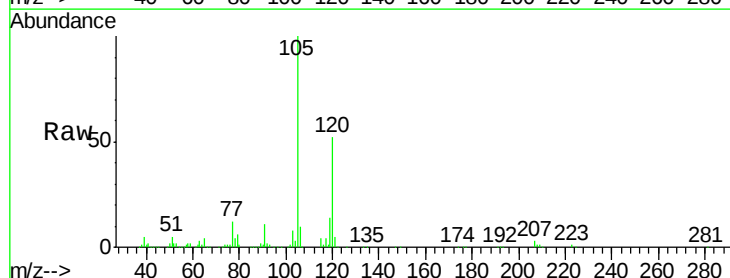
Manual Integrations
APPROVED

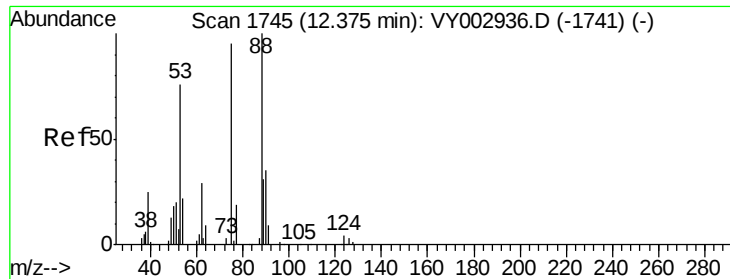
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 9.787 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.01 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion: 105 Resp: 128605
Ion Ratio Lower Upper
105 100
120 50.8 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 10.010 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 11560

Ion Ratio Lower Upper

75 100

53 82.6 65.1 97.7

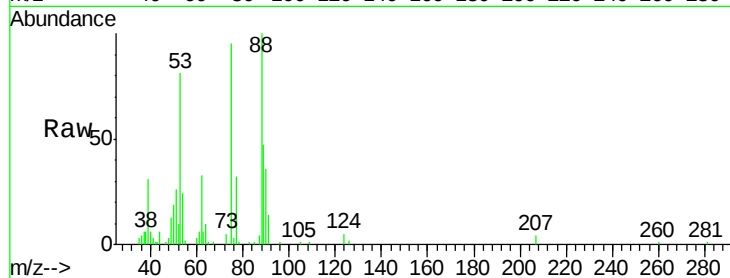
89 52.7 38.4 57.6

Manual Integrations

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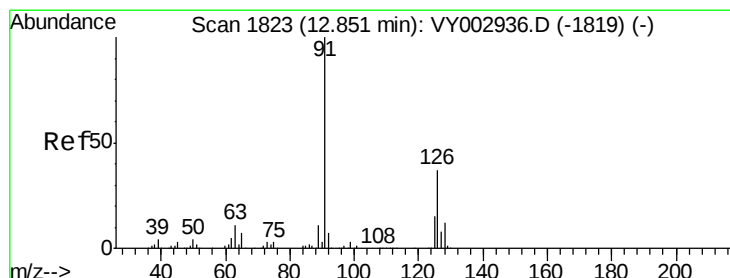
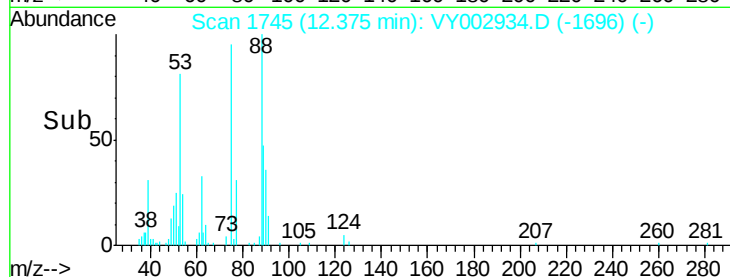
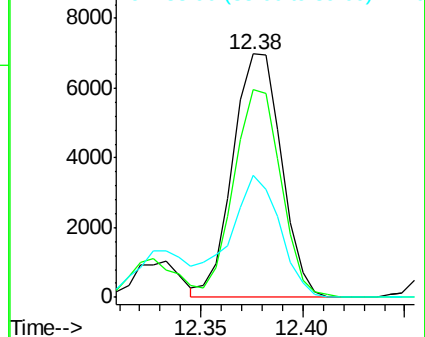
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 9.911 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY002934.D

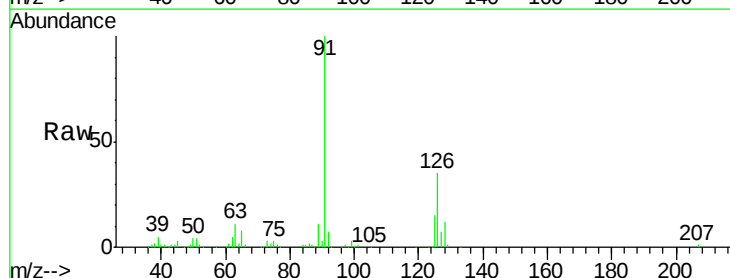
Acq: 19 Jun 2020 13:15

Tgt Ion: 91 Resp: 107446

Ion Ratio Lower Upper

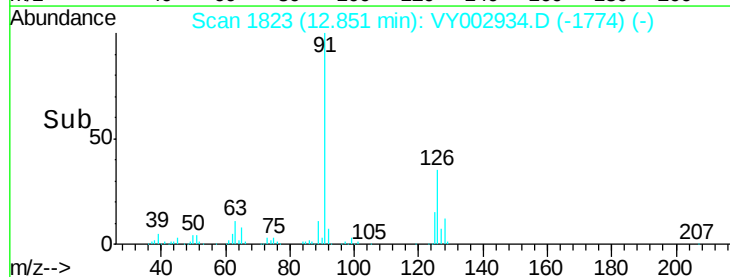
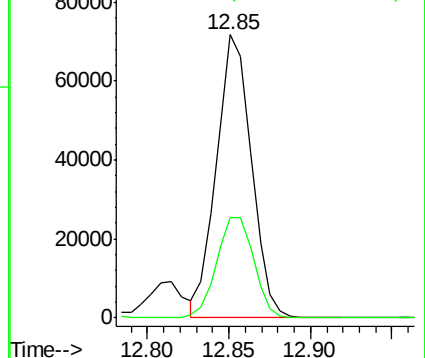
91 100

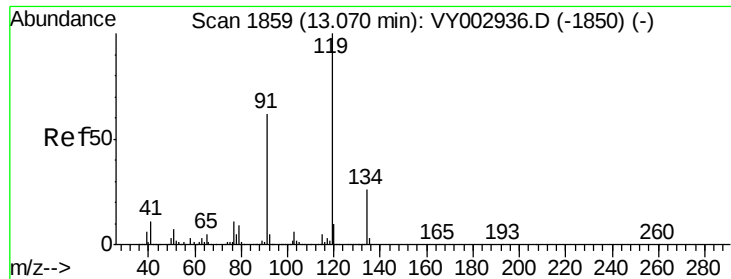
126 37.5 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





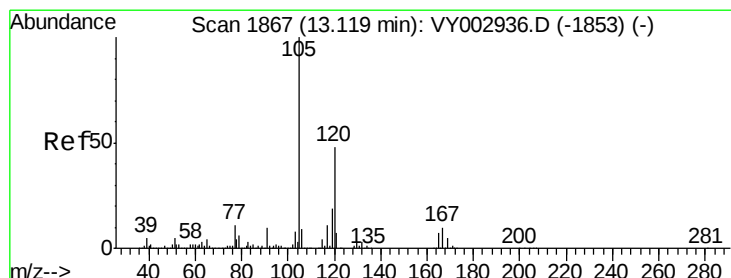
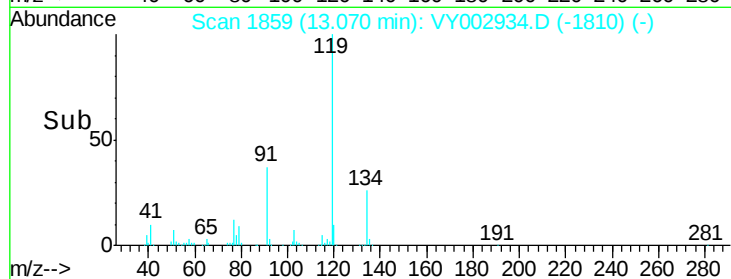
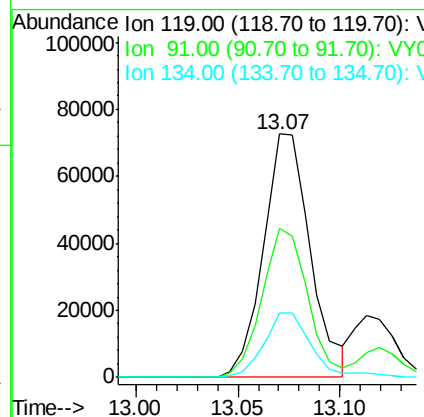
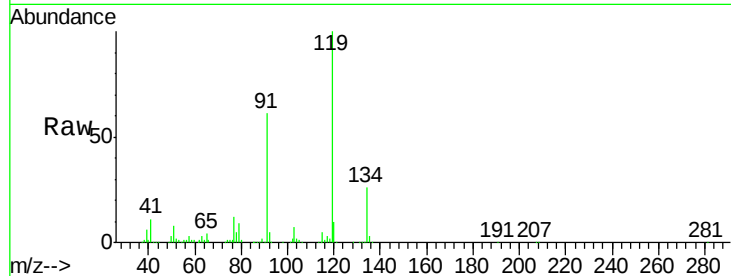
#83
tert-Butylbenzene
Concen: 9.853 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.9	89.7
134	27.0	13.3	39.8

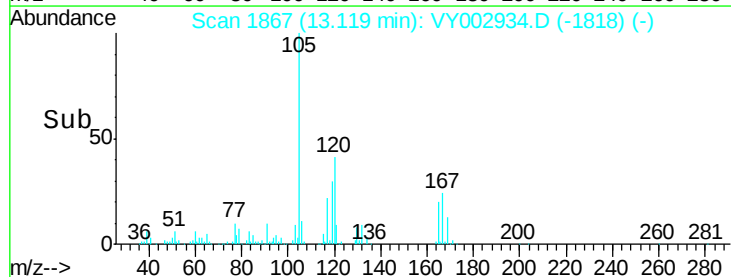
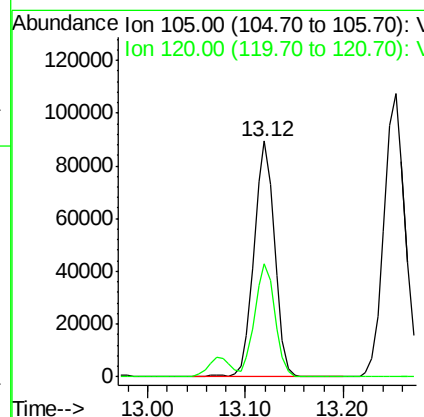
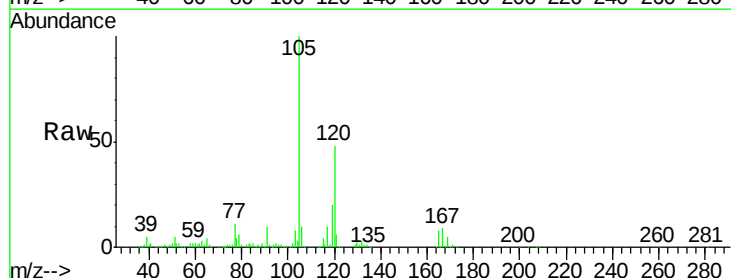
Manual Integrations
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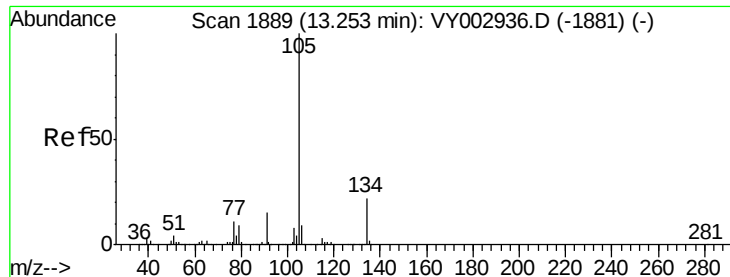
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 9.856 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





#85

sec-Butylbenzene

Concen: 9.835 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 159151

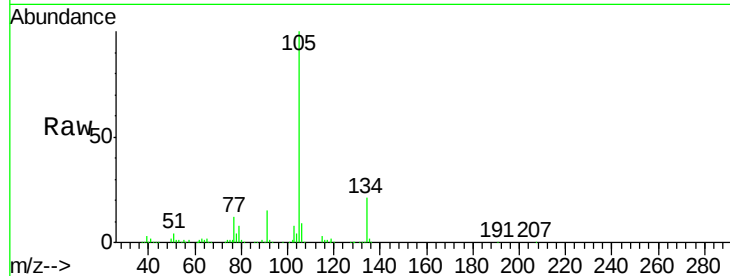
Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.4

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

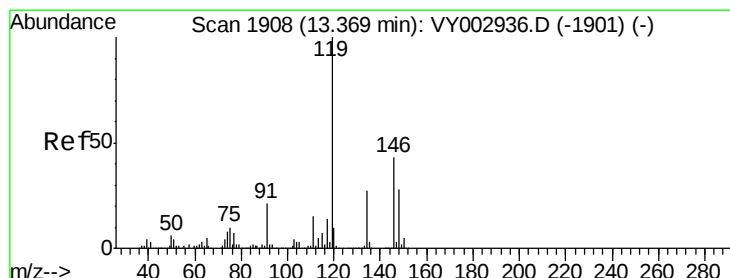
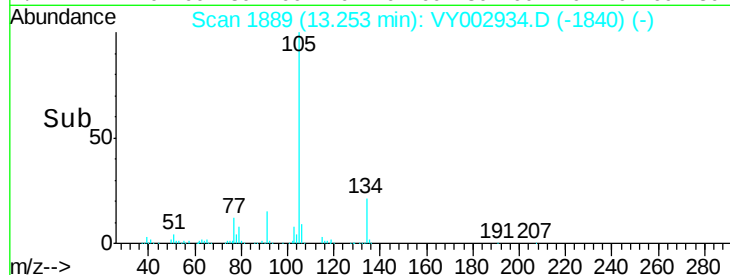
20000

0

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 9.893 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

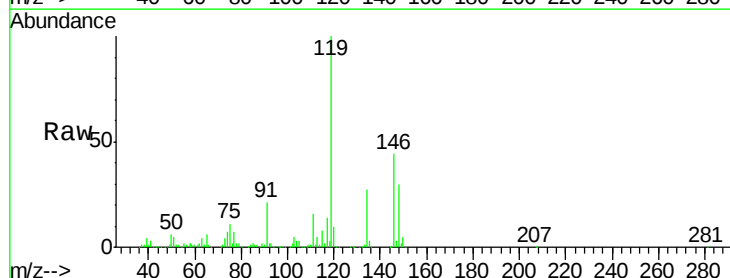
Tgt Ion:119 Resp: 149587

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.1 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

100000

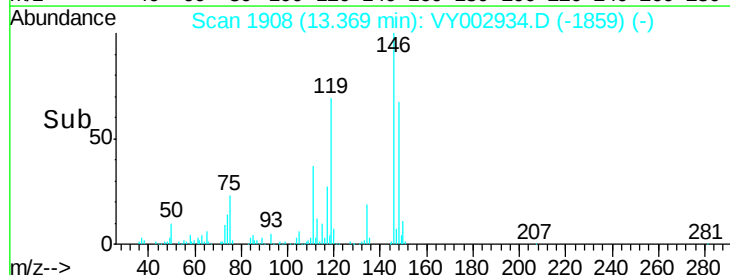
50000

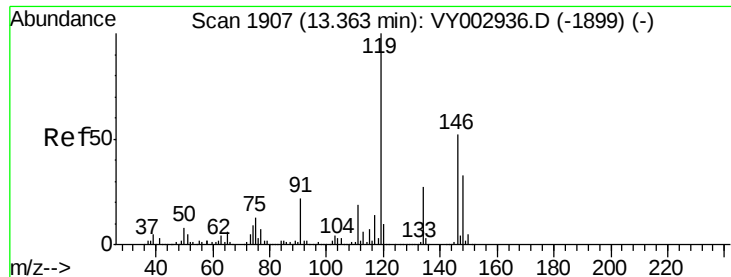
0

13.37

13.40

Time-->





#87

1,3-Dichlorobenzene

Concen: 9.860 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Instrument :

MSVOA_Y

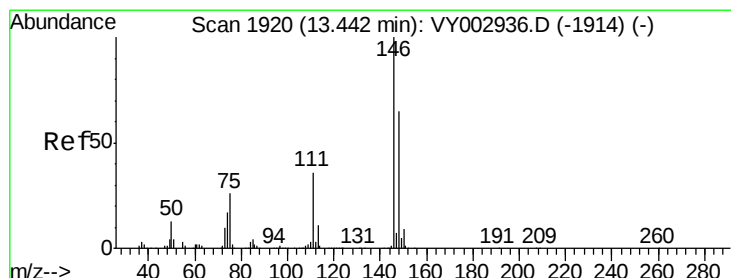
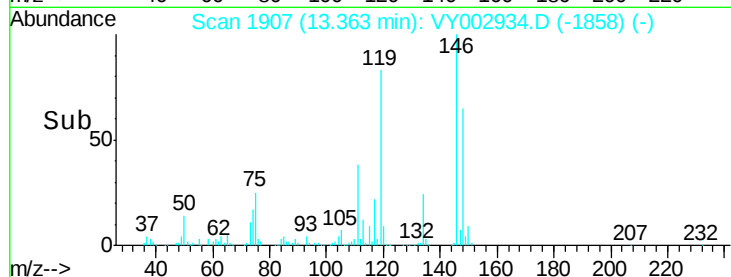
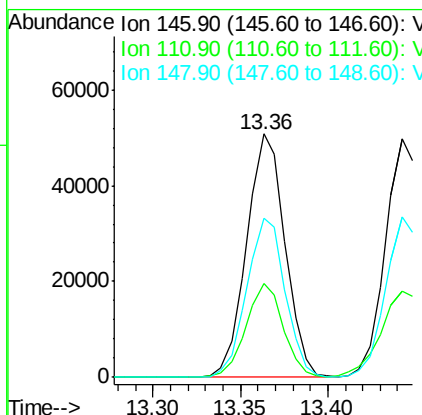
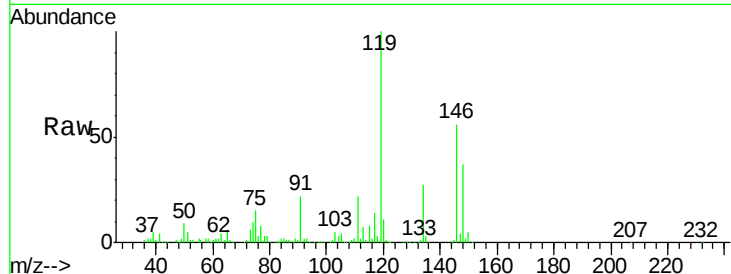
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	77536
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.2	54.6
148	65.3	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 9.710 ug/l

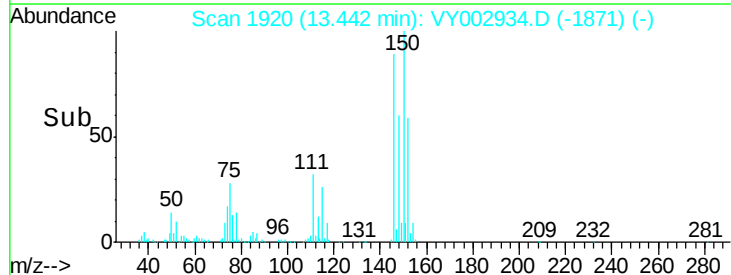
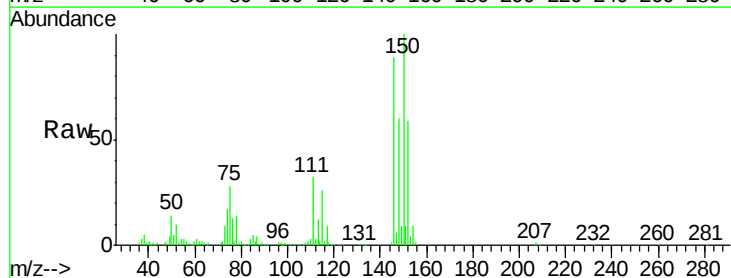
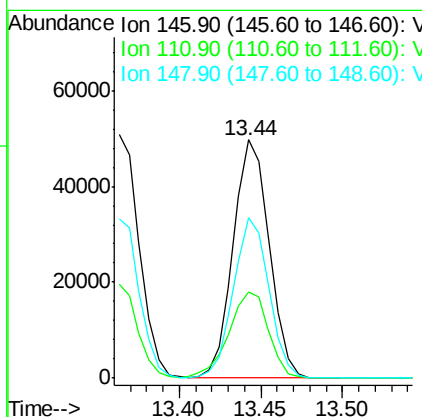
RT: 13.44 min Scan# 1920

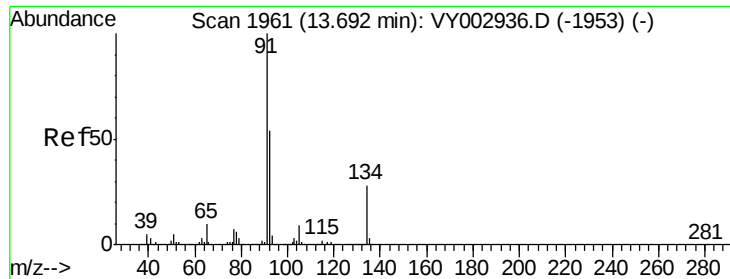
Delta R.T. 0.00 min

Lab File: VY002934.D

Acq: 19 Jun 2020 13:15

Tgt Ion:	146	Resp:	76571
Ion Ratio	Lower	Upper	
146	100		
111	39.9	17.9	53.8
148	66.7	32.1	96.5





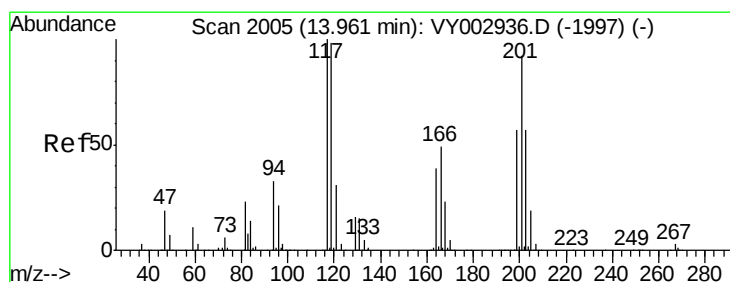
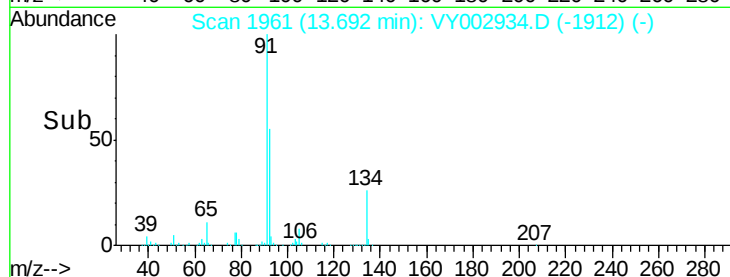
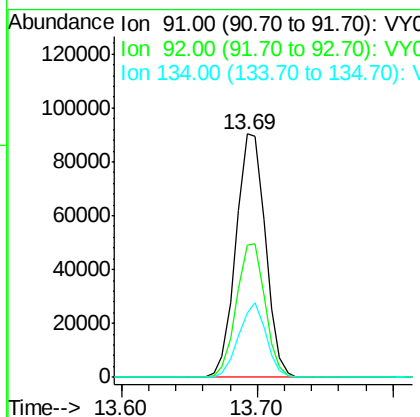
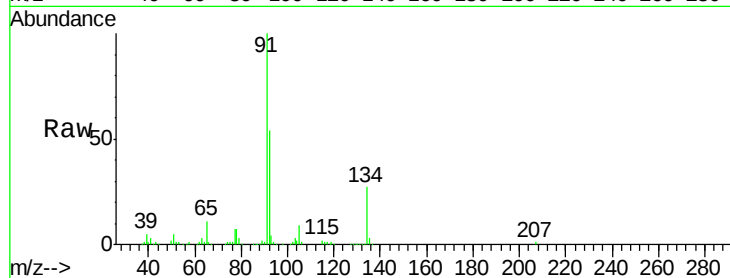
#89
n-Butylbenzene
Concen: 9.901 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.0	80.8
134	28.4	14.5	43.5

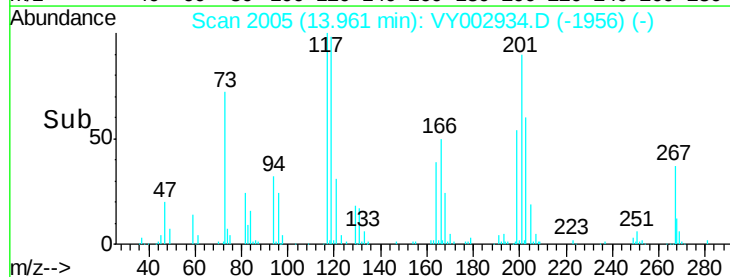
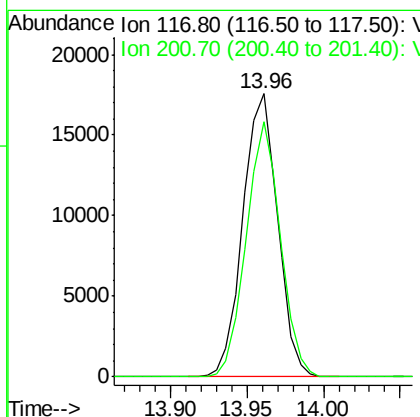
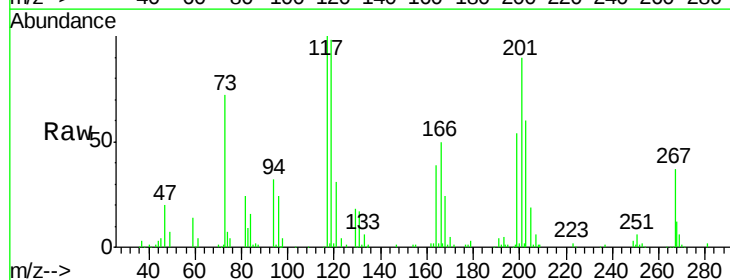
Manual Integrations
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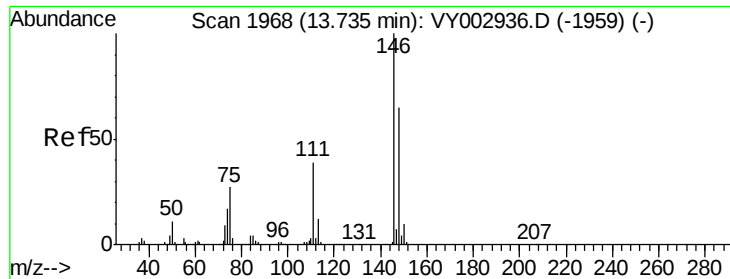
MMDadoda
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#90
Hexachloroethane
Concen: 9.958 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	45.1	135.5





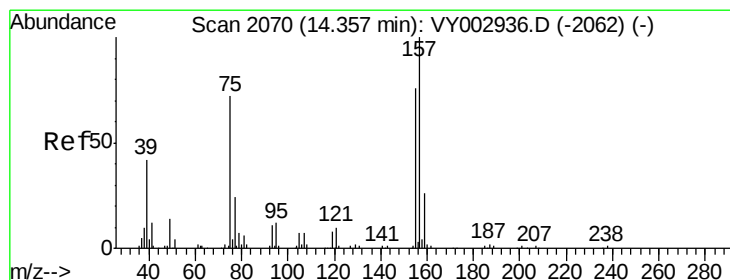
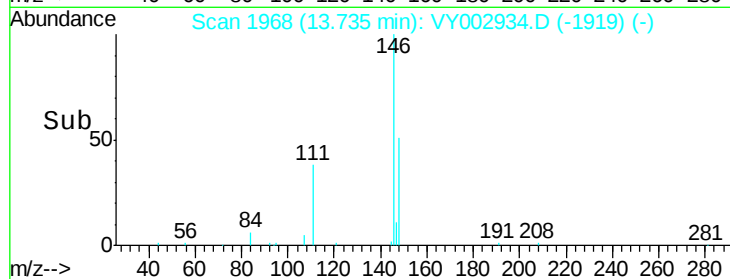
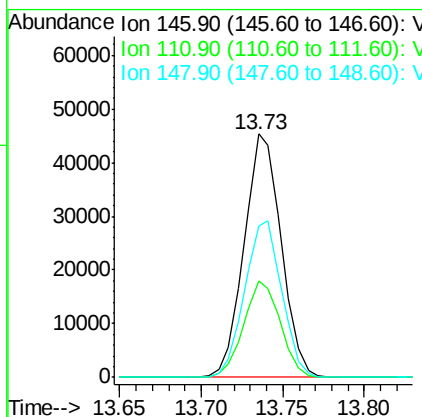
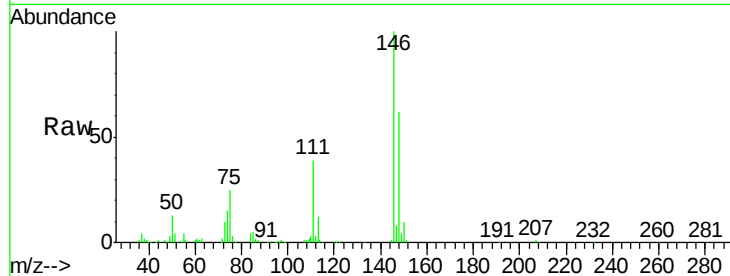
#91
 1,2-Dichlorobenzene
 Concen: 9.994 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.9
148	64.3	32.0	96.2

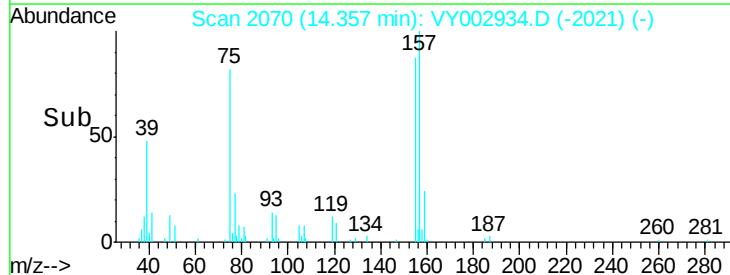
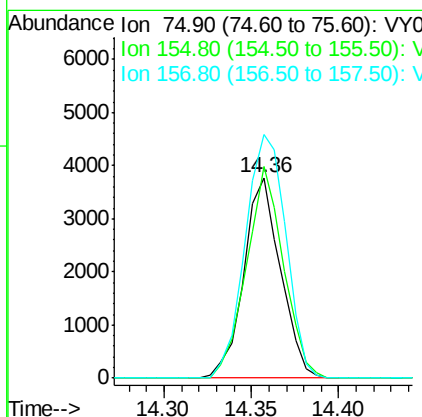
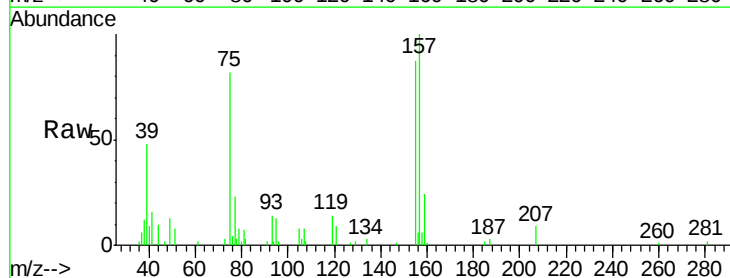
Manual Integrations
 APPROVED

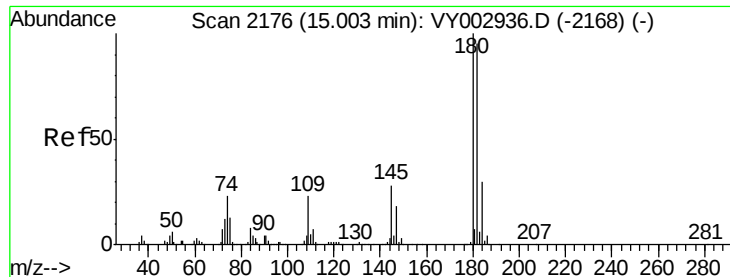
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.063 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.5	53.1	159.4
157	134.5	69.0	206.9





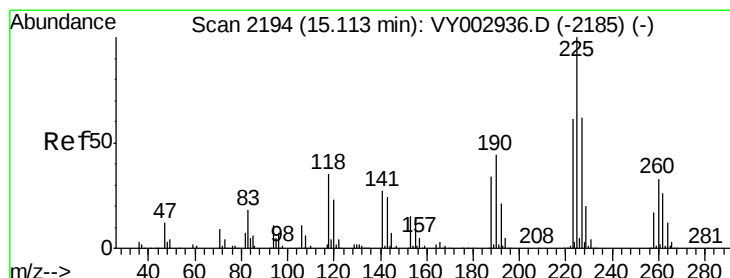
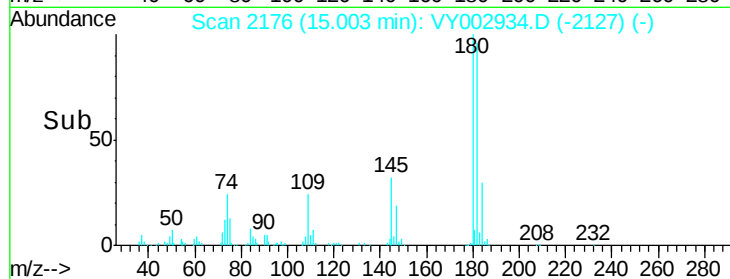
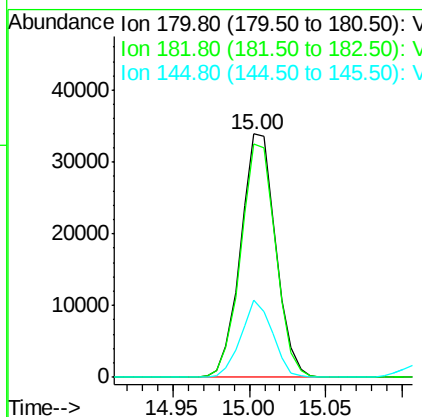
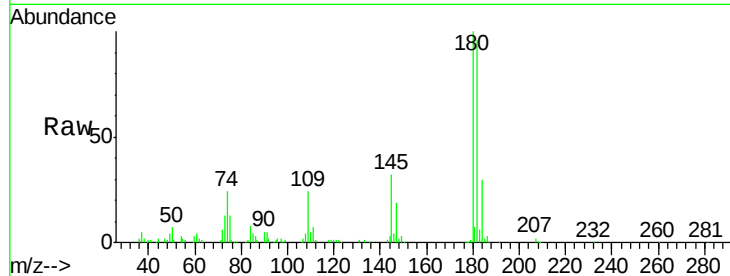
#93
 1,2,4-Trichlorobenzene
 Concen: 9.994 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	28.9	14.1	42.3

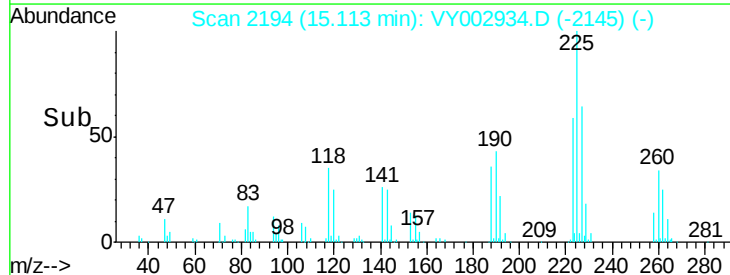
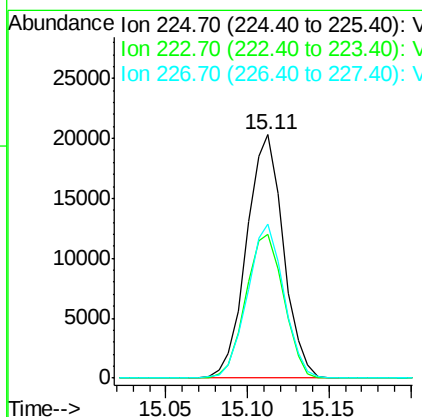
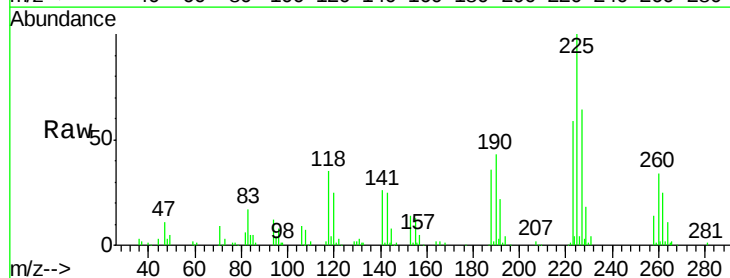
Manual Integrations
 APPROVED

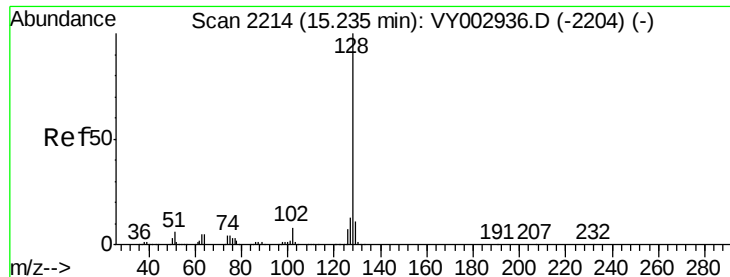
MMDadoda
 6/22/2020 2:06:50 PM



#94
 Hexachlorobutadiene
 Concen: 10.152 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002934.D
 Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.3	93.8
227	62.7	31.9	95.7





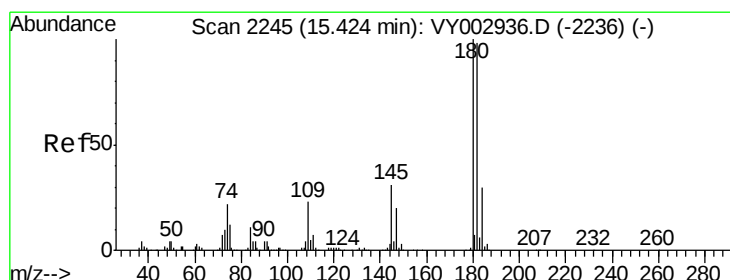
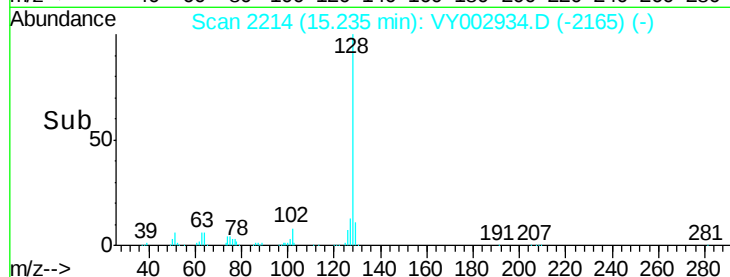
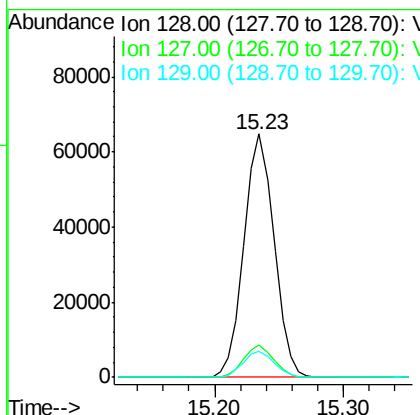
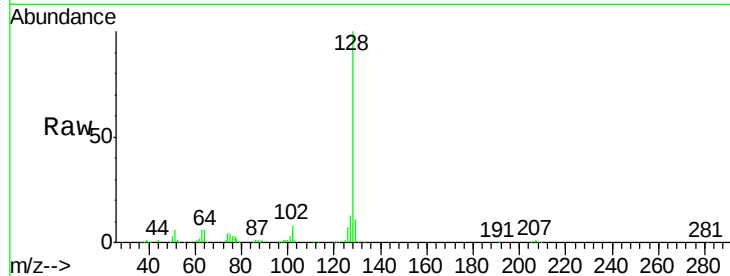
#95
Naphthalene
Concen: 9.961 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	104652		
127	13.2		10.2	15.4
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.060 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002934.D
Acq: 19 Jun 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48168		
182	95.8		47.8	143.3
145	29.8		15.0	45.0

