

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY002999.D
 Acq On : 29 Jun 2020 11:08
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:01 PM

Quant Time: Jun 29 17:49:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	486126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	719006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	660188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	349235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	24139	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
35) Dibromofluoromethane	7.73	113	21714	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
50) Toluene-d8	10.18	98	81368	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.48	95	29682	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	20079	5.454	ug/l	96
3) Chloromethane	2.12	50	33994	6.305	ug/l	98
4) Vinyl Chloride	2.26	62	25850	4.916	ug/l	94
5) Bromomethane	2.65	94	17649	4.943	ug/l	94
6) Chloroethane	2.80	64	16727	5.000	ug/l	100
7) Trichlorofluoromethane	3.13	101	37595	5.065	ug/l	95
8) Diethyl Ether	3.53	74	13075	5.138	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	22069	4.980	ug/l	98
10) Methyl Iodide	4.10	142	24920	4.535	ug/l	99
11) Tert butyl alcohol	4.96	59	14859	30.198	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	21378	5.070	ug/l	96
13) Acrolein	3.74	56	12281	27.789	ug/l	99
14) Allyl chloride	4.49	41	34141	4.637	ug/l	97
15) Acrylonitrile	5.18	53	33702	25.699	ug/l	98
16) Acetone	3.96	43	28376	24.919	ug/l	91
17) Carbon Disulfide	4.20	76	66423	4.930	ug/l	97
18) Methyl Acetate	4.49	43	17455	5.690	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	59803	4.865	ug/l	99
20) Methylene Chloride	4.72	84	49430	7.777	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	23185	4.861	ug/l	98
22) Diisopropyl ether	6.13	45	76366	4.840	ug/l	98
23) Vinyl Acetate	6.07	43	249232	23.624	ug/l	99
24) 1,1-Dichloroethane	6.03	63	41855	4.856	ug/l	99
25) 2-Butanone	6.99	43	46745	25.842	ug/l	90
26) 2,2-Dichloropropane	6.99	77	40753	5.204	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	26833	5.016	ug/l	98
28) Bromochloromethane	7.34	49	18419	4.802	ug/l #	99
29) Tetrahydrofuran	7.35	42	30627	25.461	ug/l	99
30) Chloroform	7.51	83	42195	4.941	ug/l	97
31) Cyclohexane	7.78	56	47431	5.586	ug/l #	91
32) 1,1,1-Trichloroethane	7.71	97	38570	4.948	ug/l	98
36) 1,1-Dichloropropene	7.93	75	33838	4.886	ug/l	98
37) Ethyl Acetate	7.07	43	21716	5.215	ug/l #	79
38) Carbon Tetrachloride	7.90	117	35402	4.913	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	41762	4.863	ug/l	96
40) Benzene	8.16	78	91850	4.844	ug/l	96
41) Methacrylonitrile	7.33	41	12210m	2.391	ug/l	
42) 1,2-Dichloroethane	8.24	62	29408	4.903	ug/l	99
43) Isopropyl Acetate	8.28	43	38860	4.909	ug/l	98
44) Trichloroethene	8.94	130	27241	4.943	ug/l	96
45) 1,2-Dichloropropane	9.22	63	24917	4.885	ug/l	92
46) Dibromomethane	9.30	93	14326	5.028	ug/l	96
47) Bromodichloromethane	9.50	83	34641	4.966	ug/l	93
48) Methyl methacrylate	9.30	41	17332	4.810	ug/l	98
49) 1,4-Dioxane	9.30	88	3602	103.569	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	101555	24.821	ug/l	99
52) Toluene	10.24	92	59123	4.953	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	35011	4.787	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	40765	4.873	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	19263	4.866	ug/l	92
56) Ethyl methacrylate	10.51	69	26838	4.683	ug/l	98
57) 1,3-Dichloropropane	10.79	76	34658	4.987	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	75366	25.641	ug/l	96
59) 2-Hexanone	10.83	43	69773	24.397	ug/l	99
60) Dibromochloromethane	10.99	129	25296	4.993	ug/l	98
61) 1,2-Dibromoethane	11.09	107	19847	5.085	ug/l	97
64) Tetrachloroethene	10.72	164	27053	4.842	ug/l	98
65) Chlorobenzene	11.52	112	63614	4.887	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	24528	4.826	ug/l	97
67) Ethyl Benzene	11.59	91	114864	4.823	ug/l	98
68) m/p-Xylenes	11.70	106	84786	9.566	ug/l	100
69) o-Xylene	12.03	106	40258	4.820	ug/l	96
70) Styrene	12.04	104	67043	4.699	ug/l	99
71) Bromoform	12.20	173	16421	4.845	ug/l #	99
73) Isopropylbenzene	12.33	105	108163	4.732	ug/l	100
74) N-amyl acetate	12.14	43	35114	4.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	23491	5.093	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	17237m	2.888	ug/l	
77) Bromobenzene	12.61	156	29236	4.989	ug/l	95
78) n-propylbenzene	12.67	91	130114	4.734	ug/l	100
79) 2-Chlorotoluene	12.75	91	72529	4.727	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	89677	4.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	8089	4.553	ug/l	90
82) 4-Chlorotoluene	12.86	91	74991	4.694	ug/l	99
83) tert-Butylbenzene	13.08	119	80568	4.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	91629	4.741	ug/l	99
85) sec-Butylbenzene	13.25	105	111180	4.790	ug/l	100
86) p-Isopropyltoluene	13.37	119	100328	4.664	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	51818	4.736	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	51695	4.792	ug/l	92
89) n-Butylbenzene	13.70	91	97309	4.728	ug/l	100
90) Hexachloroethane	13.96	117	20364	4.768	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	46468	4.734	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4140	5.070	ug/l	97

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MSVOA_Y
ClientSampleId :
VSTDICC005

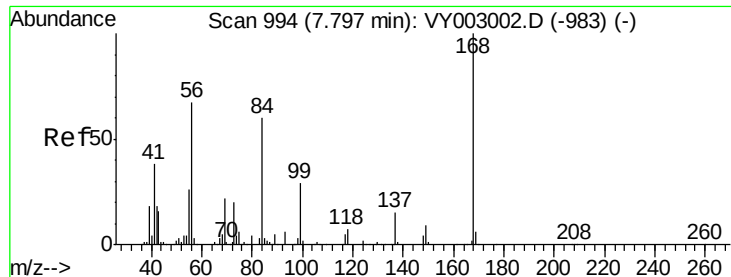
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	34997	4.798	ug/l	98
94) Hexachlorobutadiene	15.11	225	22651	4.923	ug/l	98
95) Naphthalene	15.23	128	65804	4.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	30779	4.860	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 486126

Ion Ratio Lower Upper

168 100

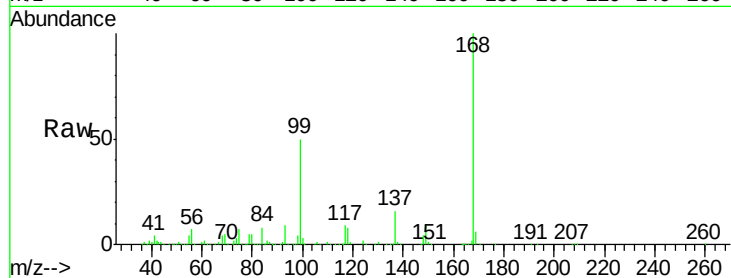
99 50.0 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002999.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002999.D (-945) (-)

7.80

250000

200000

150000

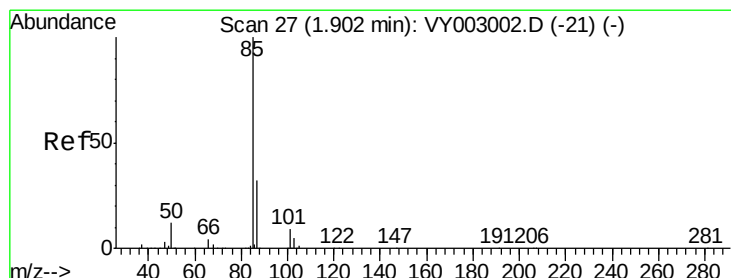
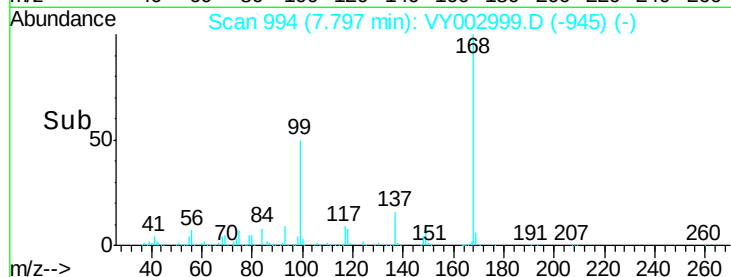
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.454 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY002999.D

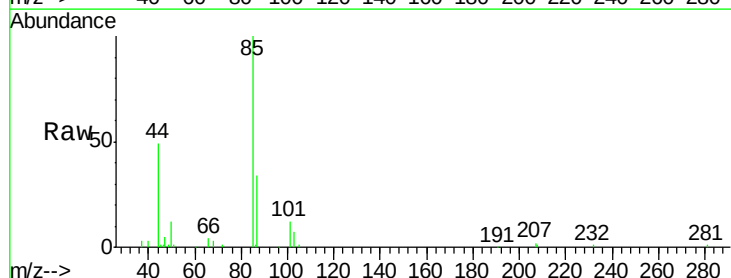
Acq: 29 Jun 2020 11:08

Tgt Ion: 85 Resp: 20079

Ion Ratio Lower Upper

85 100

87 33.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002999.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002999.D (-1) (-)

15000

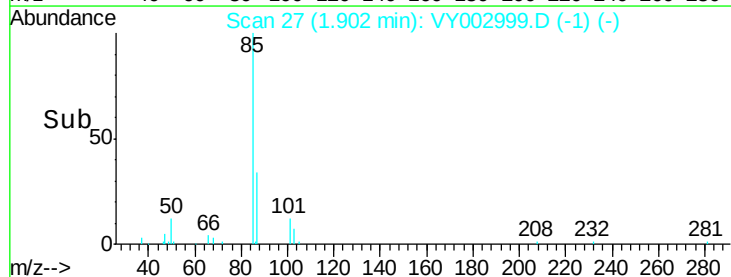
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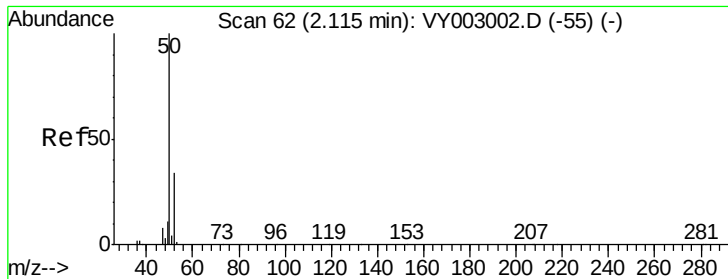
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 6.305 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 33994

Ion Ratio Lower Upper

50 100

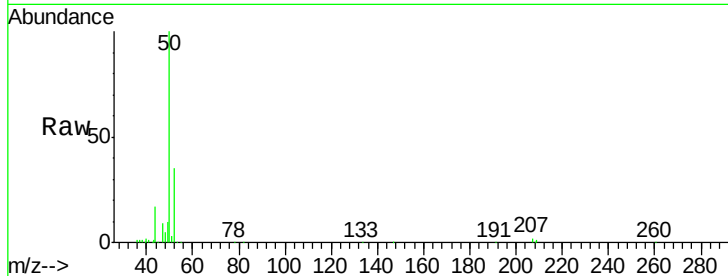
52 34.6 26.9 40.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

25000

20000

15000

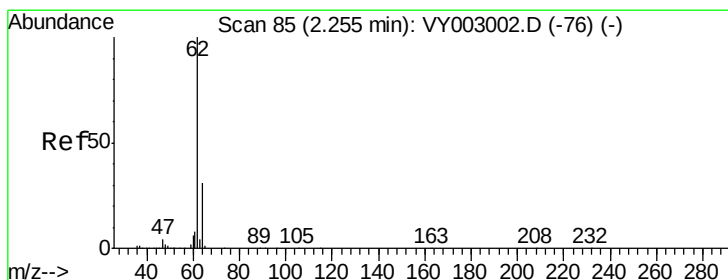
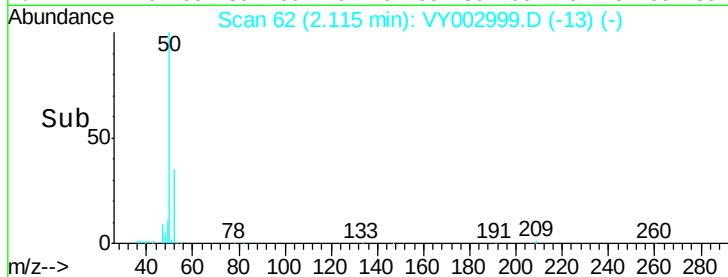
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 4.916 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002999.D

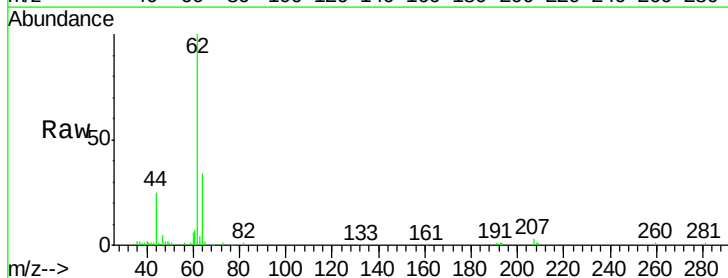
Acq: 29 Jun 2020 11:08

Tgt Ion: 62 Resp: 25850

Ion Ratio Lower Upper

62 100

64 33.8 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

15000

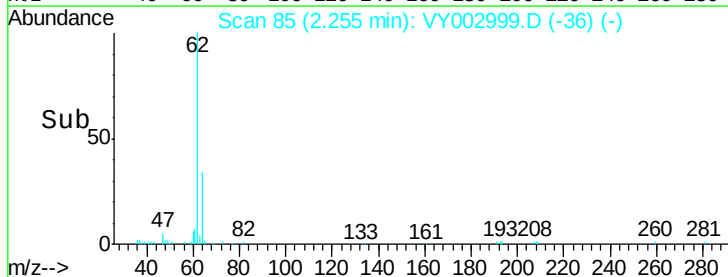
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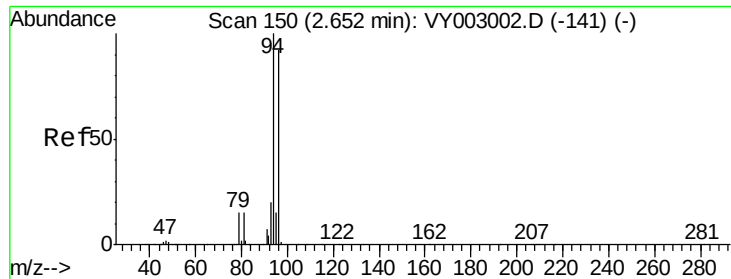
5000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 4.943 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17649

Ion Ratio Lower Upper

94 100

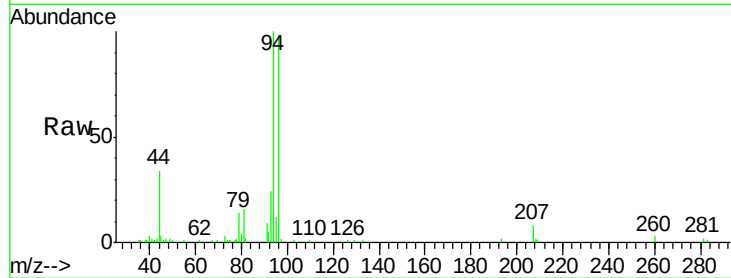
96 97.3 73.4 110.2

Manual Integrations

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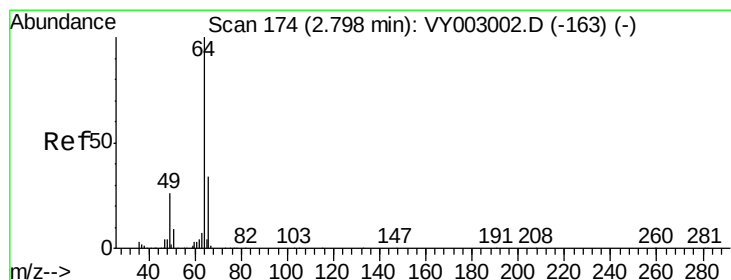
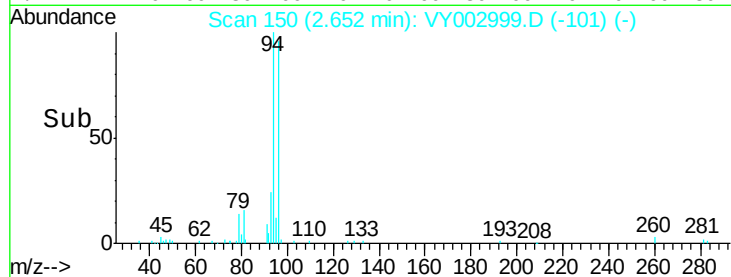
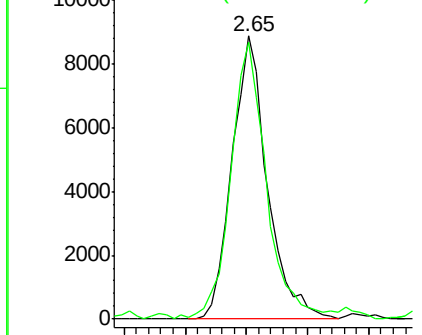
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.000 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002999.D

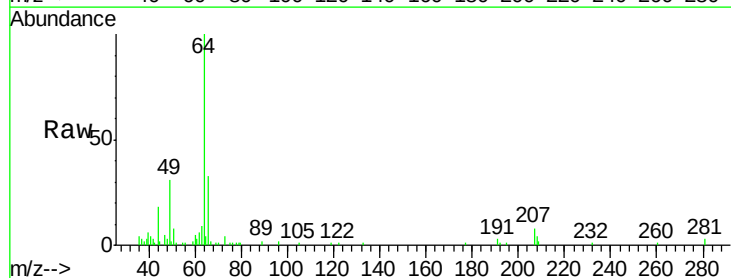
Acq: 29 Jun 2020 11:08

Tgt Ion: 64 Resp: 16727

Ion Ratio Lower Upper

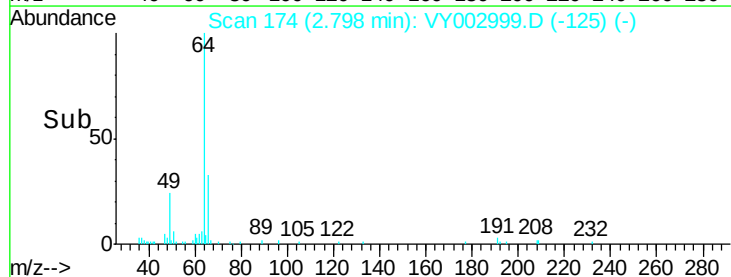
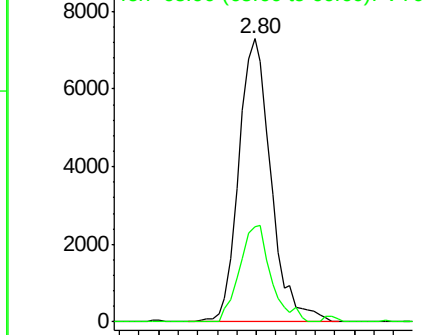
64 100

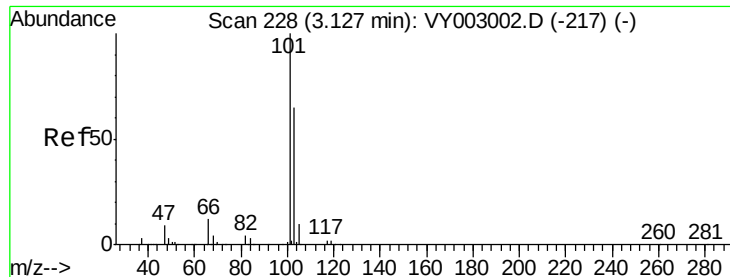
66 33.5 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

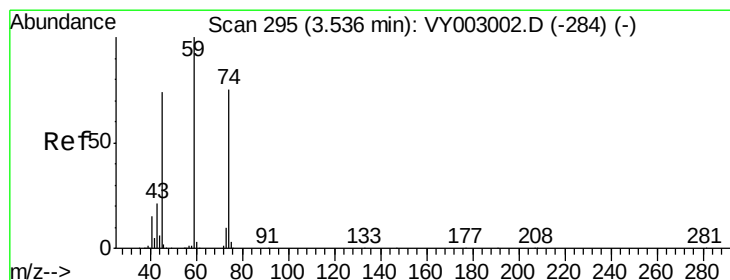
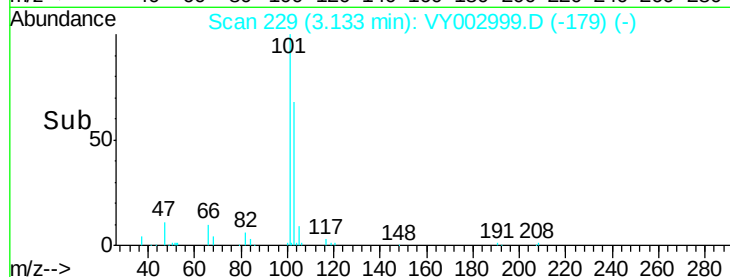
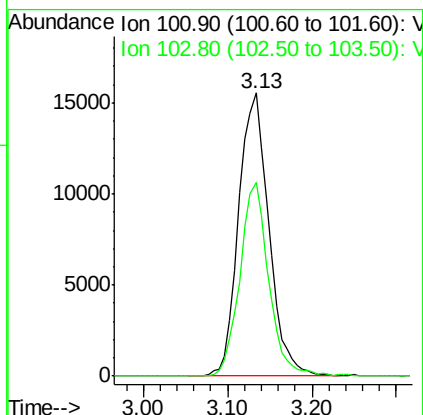
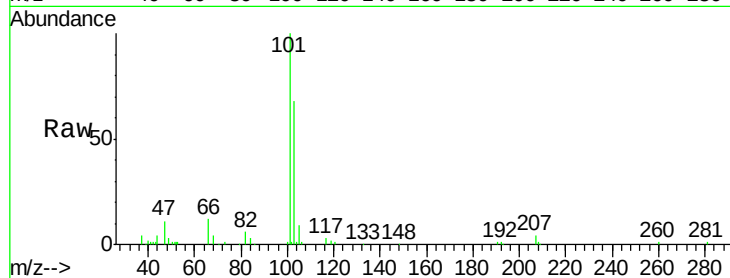
Trichlorofluoromethane
Concen: 5.065 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
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VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	51.6	77.4

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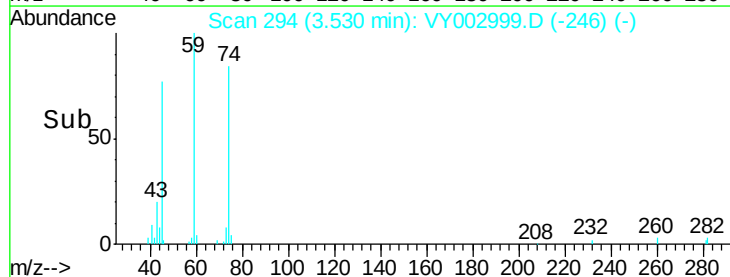
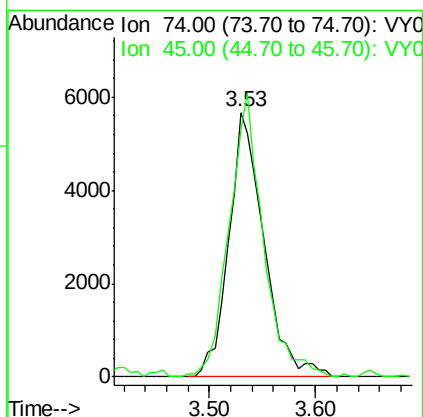
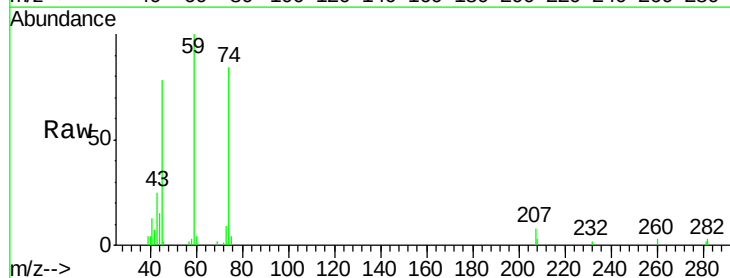
MMDadoda
6/30/2020 12:54:01 PM

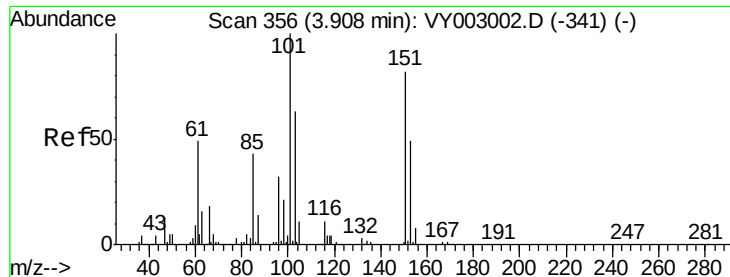


#8

Diethyl Ether
Concen: 5.138 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.980 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY002999.D

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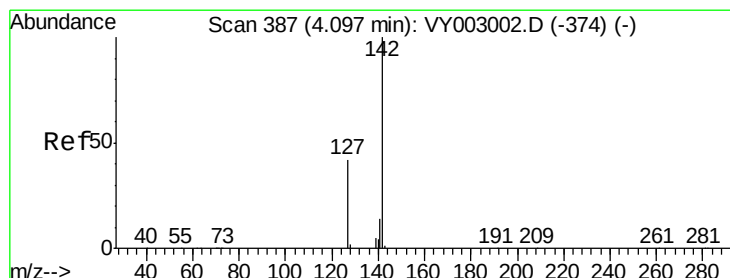
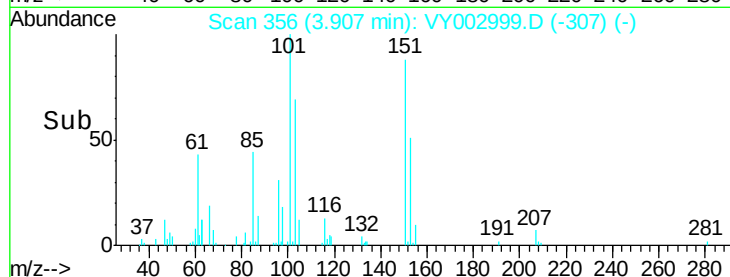
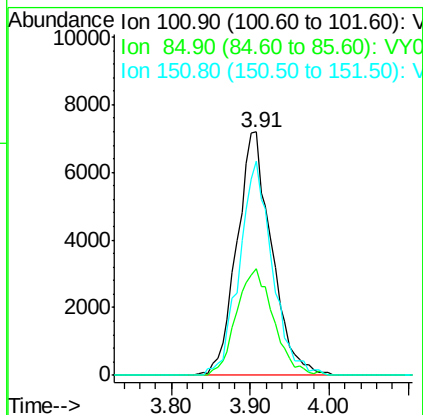
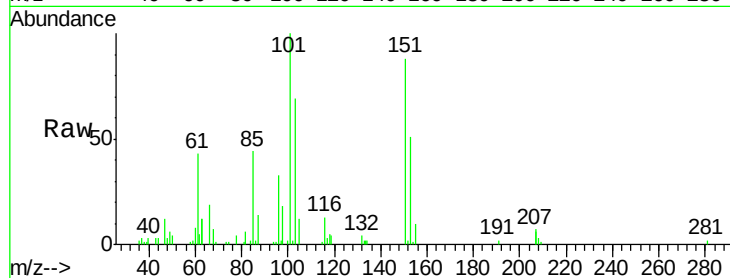
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22069
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.5	53.3
151	83.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.535 ug/l

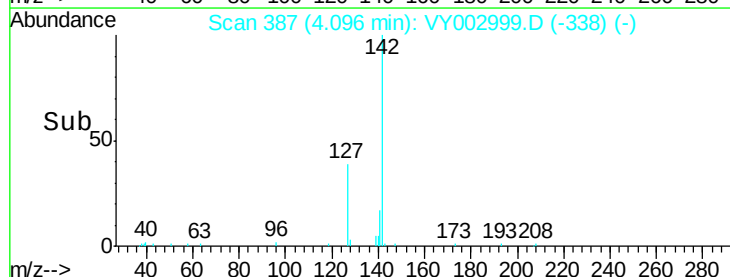
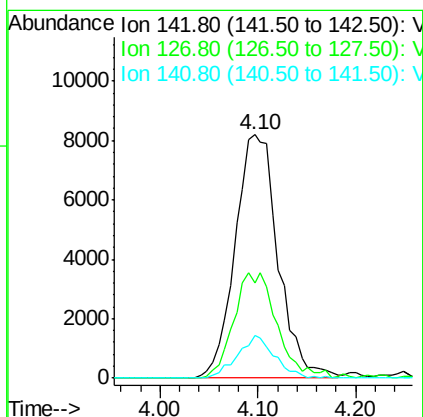
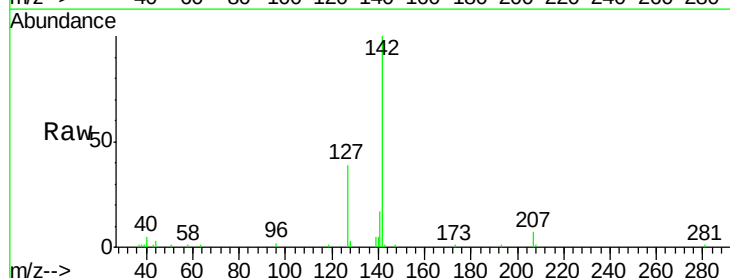
RT: 4.10 min Scan# 387

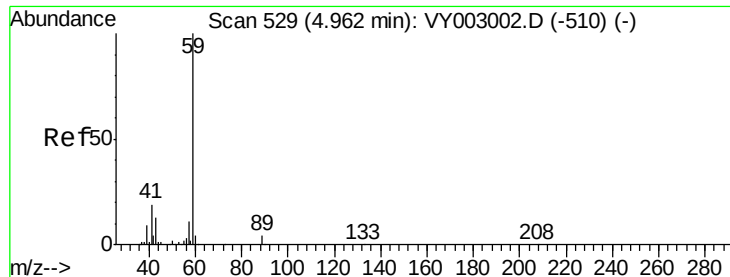
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	142	Resp:	24920
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.2
141	14.9	11.7	17.5





#11

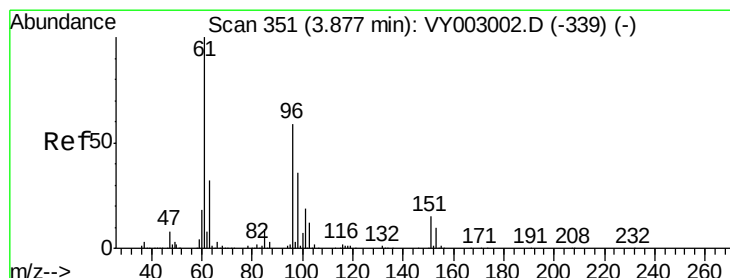
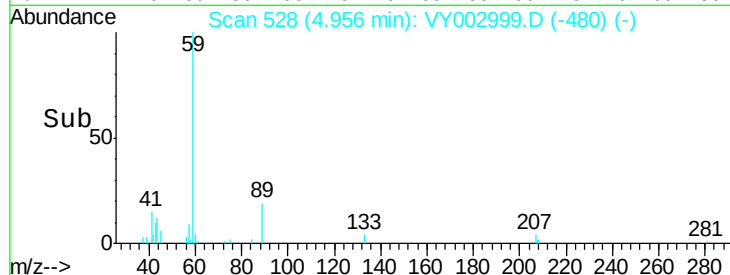
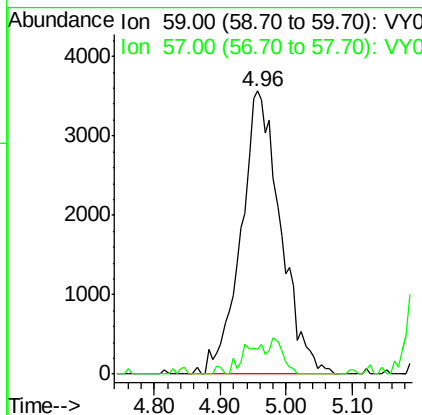
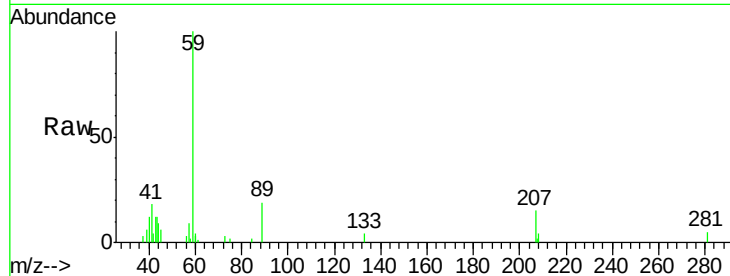
Tert butyl alcohol
 Concen: 30.198 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.0	12.0#

Manual Integrations
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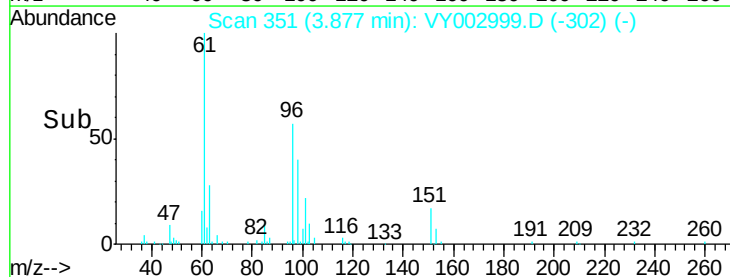
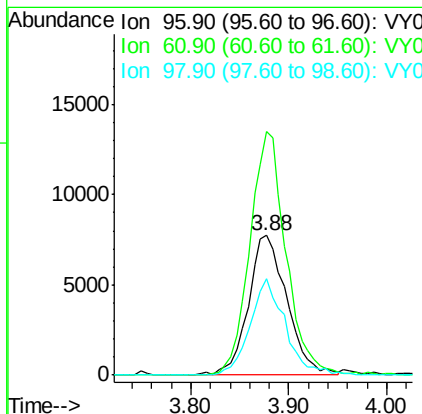
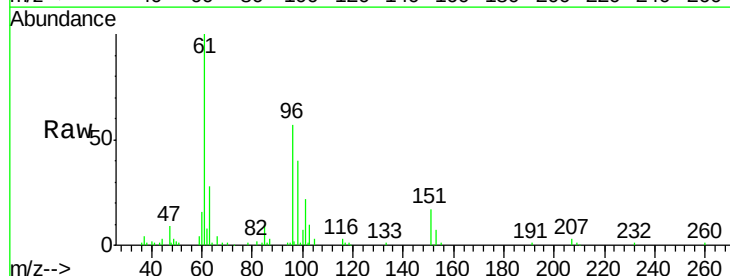
MMDadoda
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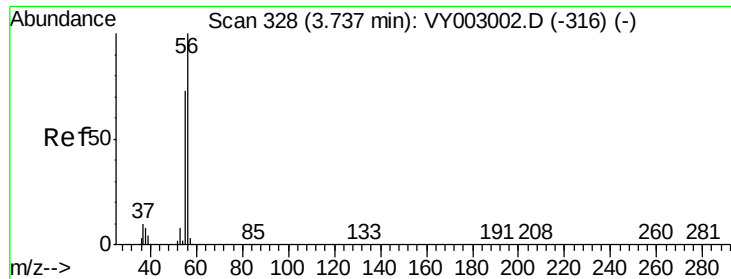


#12

1,1-Dichloroethene
 Concen: 5.070 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	136.7	205.1
98	69.0	49.7	74.5





#13

Acrolein

Concen: 27.789 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12281

Ion Ratio Lower Upper

56 100

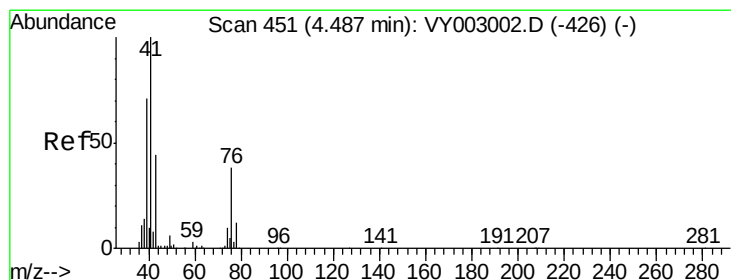
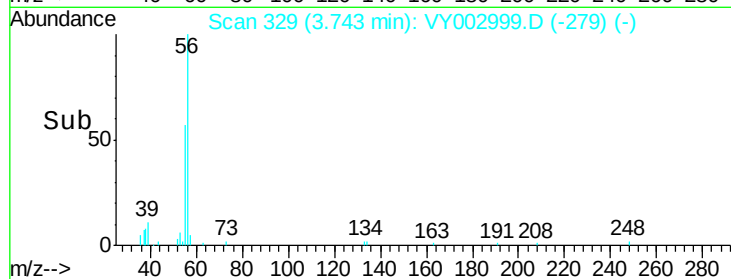
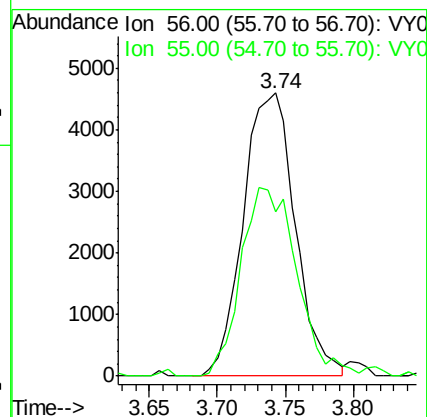
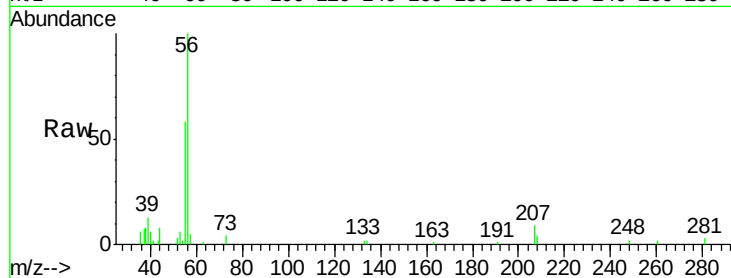
55 71.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 4.637 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

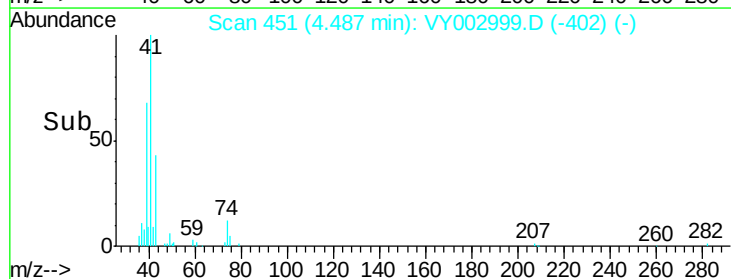
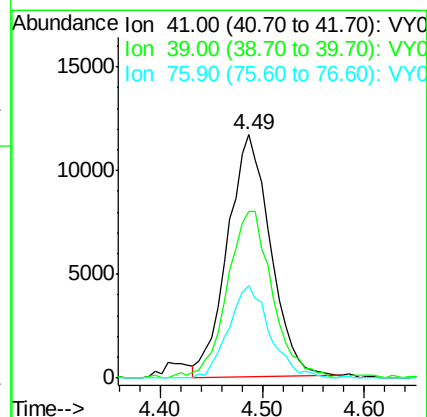
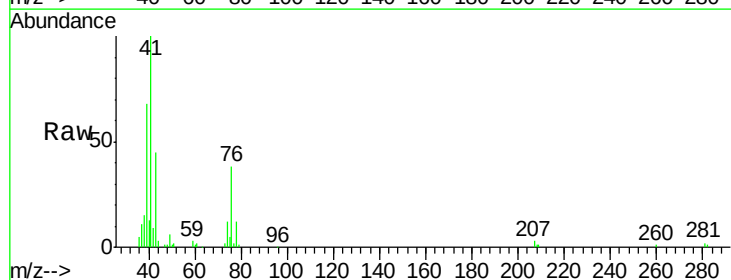
Tgt Ion: 41 Resp: 34141

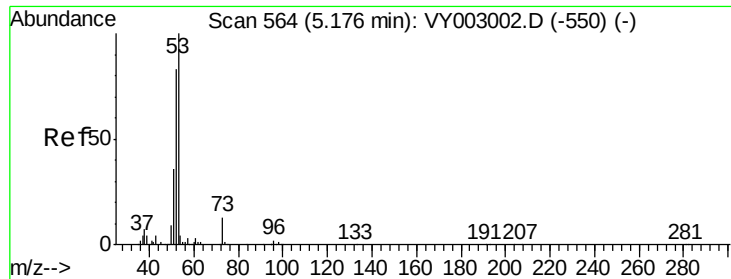
Ion Ratio Lower Upper

41 100

39 72.7 55.6 83.4

76 36.8 28.6 43.0





#15

Acrylonitrile

Concen: 25.699 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

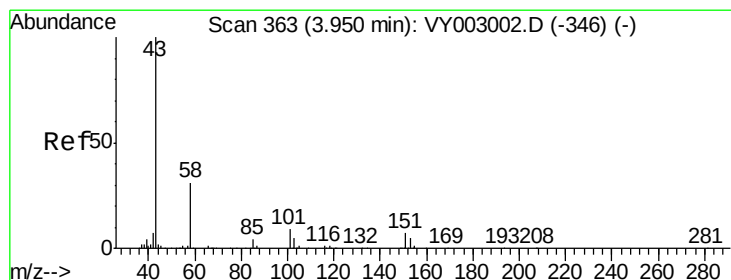
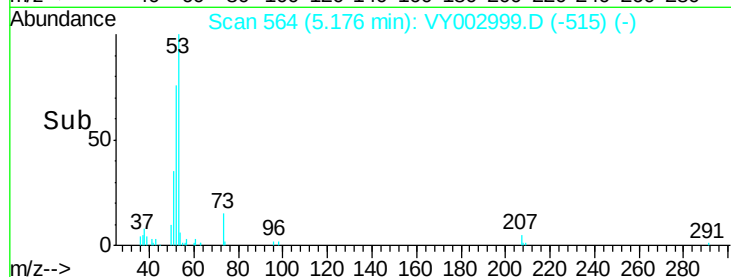
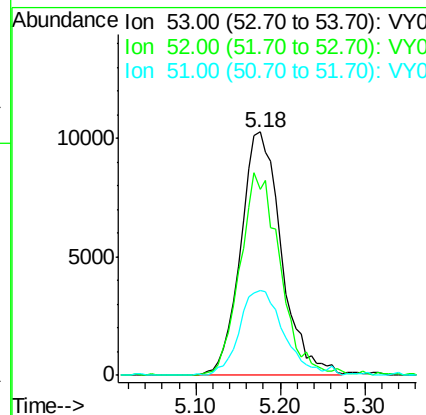
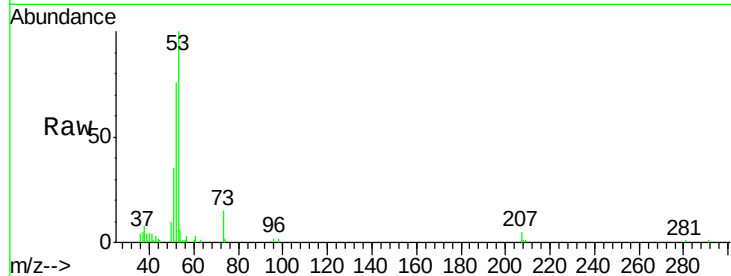
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	33702
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.2	99.2
51	38.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 24.919 ug/l

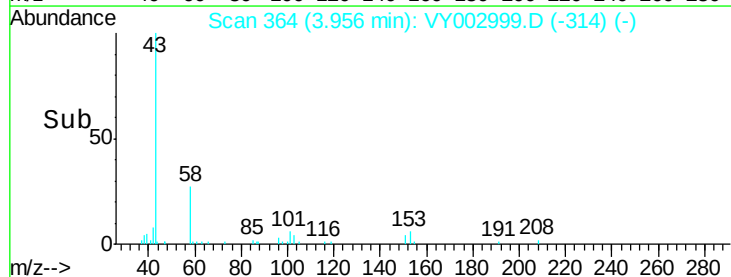
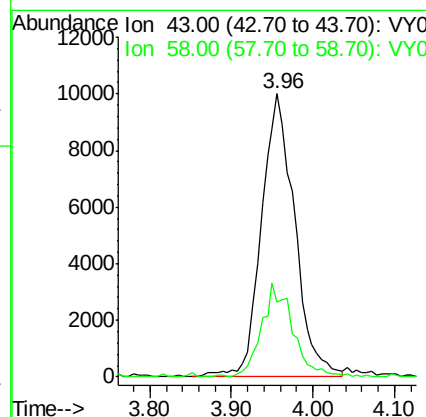
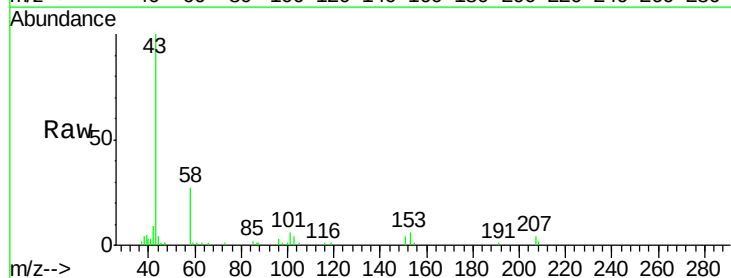
RT: 3.96 min Scan# 364

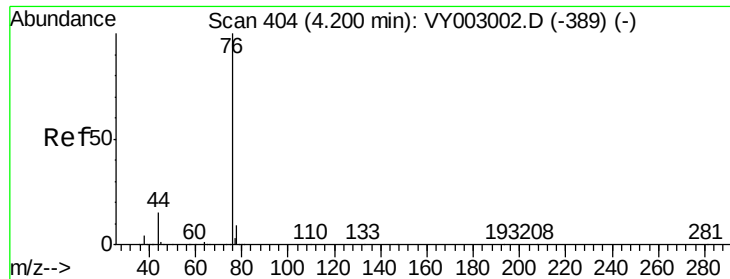
Delta R.T. 0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	43	Resp:	28376
Ion	Ratio	Lower	Upper
43	100		
58	25.8	24.7	37.1





#17

Carbon Disulfide

Concen: 4.930 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 66423

Ion Ratio Lower Upper

76 100

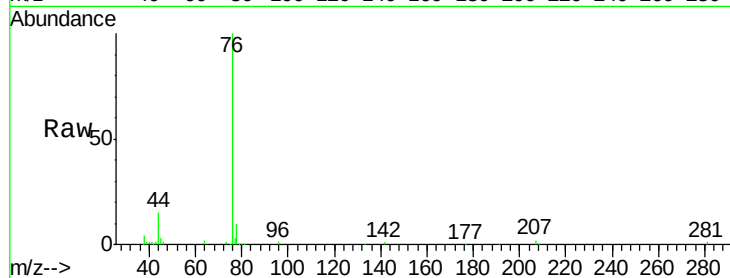
78 9.9 7.0 10.6

Manual Integrations

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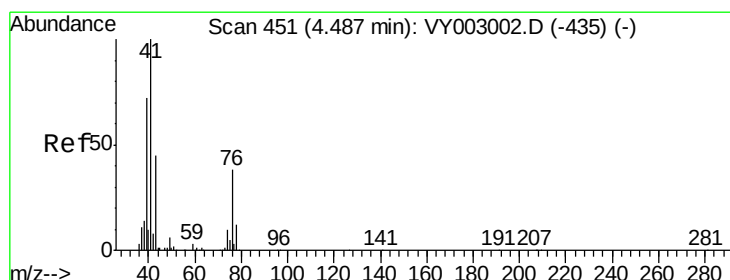
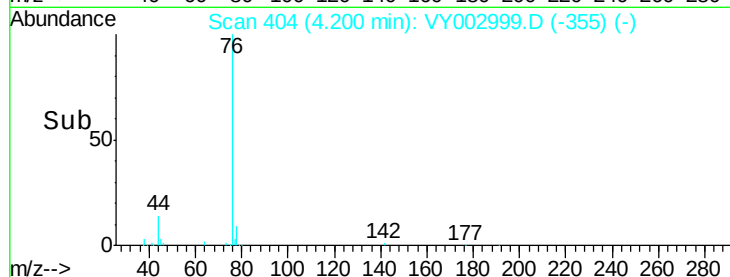
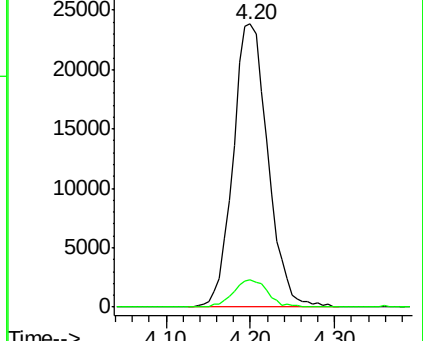
MMDadoda

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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: 5.690 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002999.D

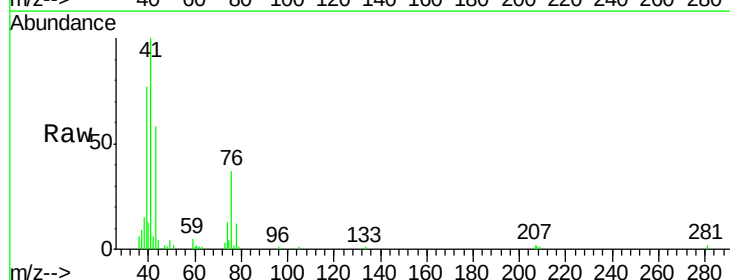
Acq: 29 Jun 2020 11:08

Tgt Ion: 43 Resp: 17455

Ion Ratio Lower Upper

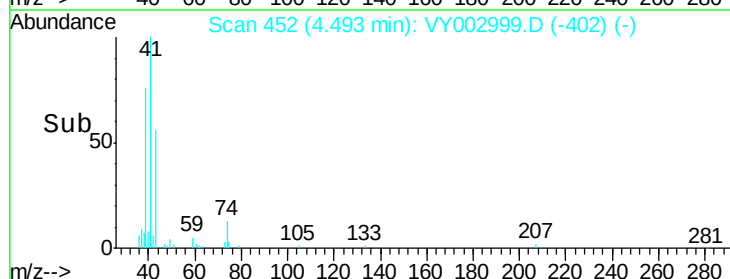
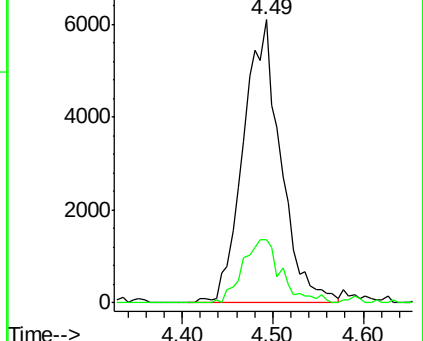
43 100

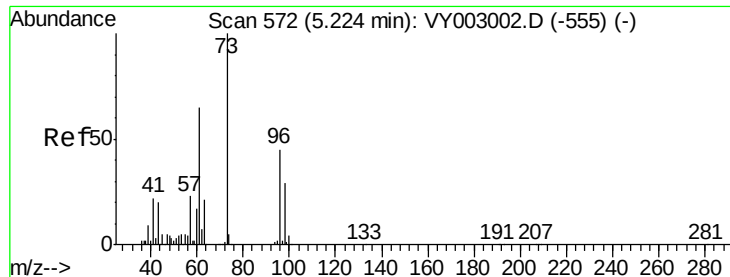
74 23.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





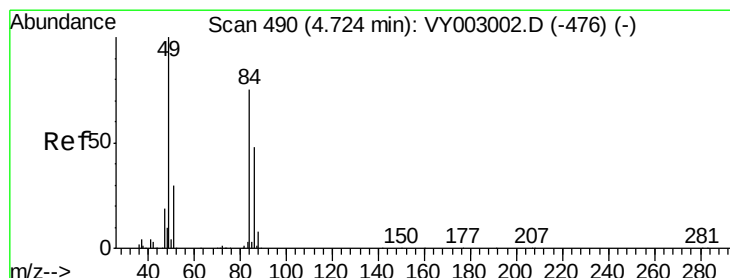
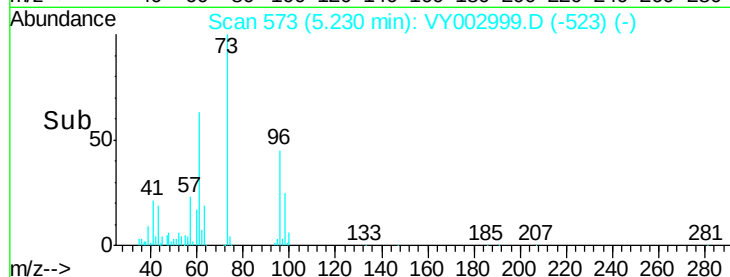
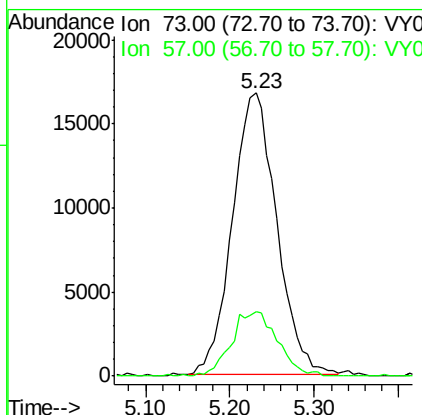
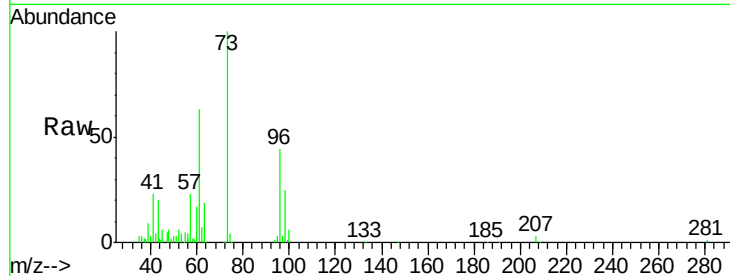
#19
Methyl tert-butyl Ether
Concen: 4.865 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.2	27.2

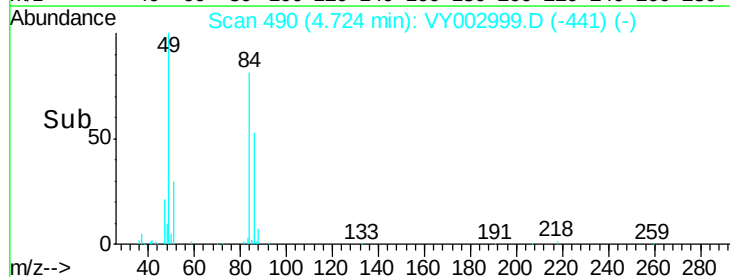
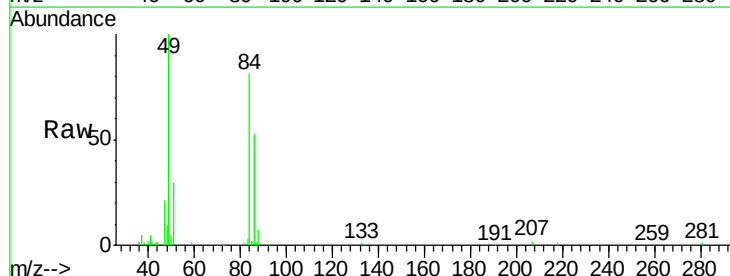
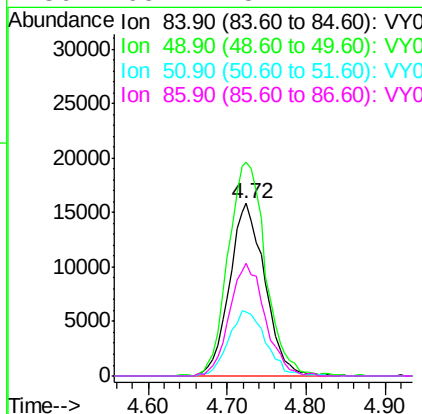
Manual Integrations
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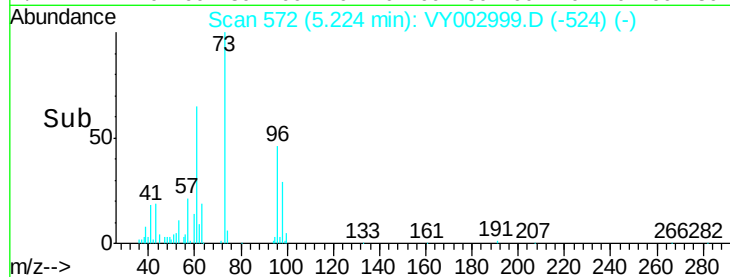
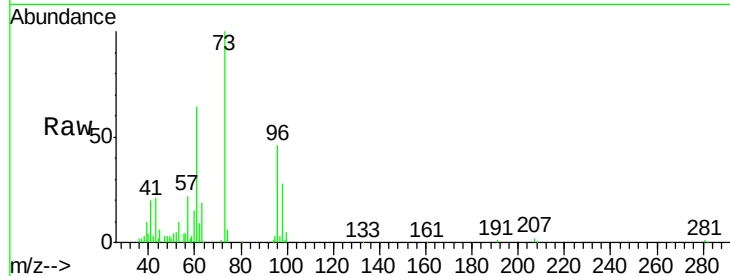
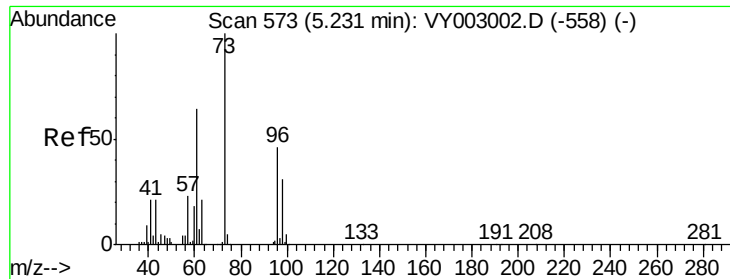
MMDadoda
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#20
Methylene Chloride
Concen: 7.777 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	106.8	160.2
51	36.9	32.0	48.0
86	65.4	51.4	77.2





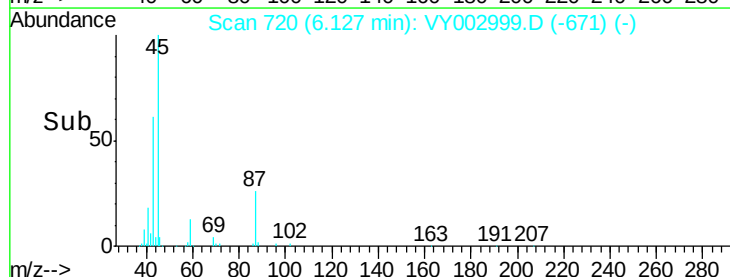
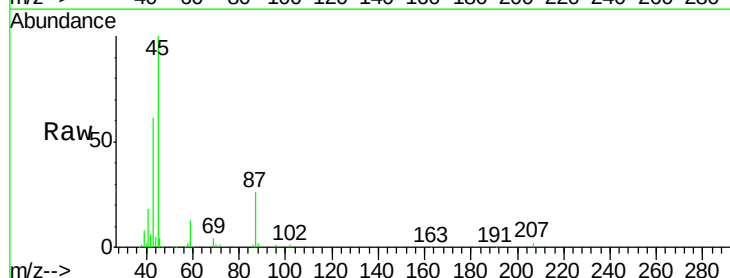
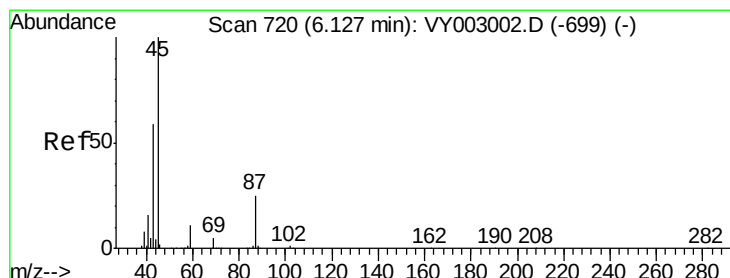
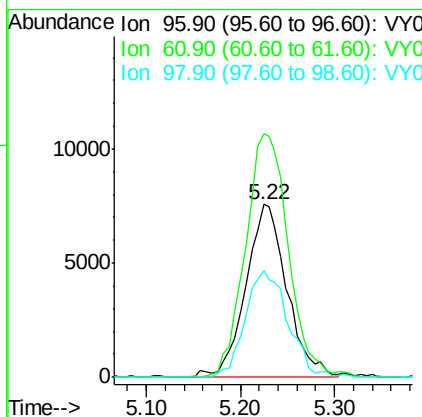
#21
trans-1,2-Dichloroethene
Concen: 4.861 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.3	168.5
98	62.0	53.8	80.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

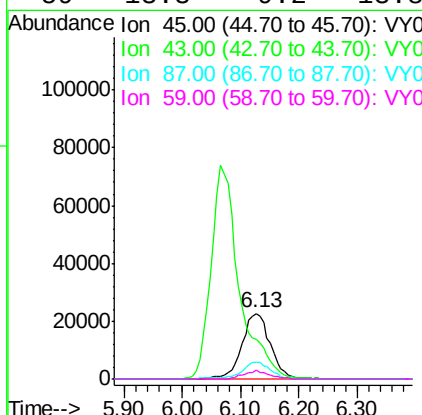
Manual Integrations
APPROVED

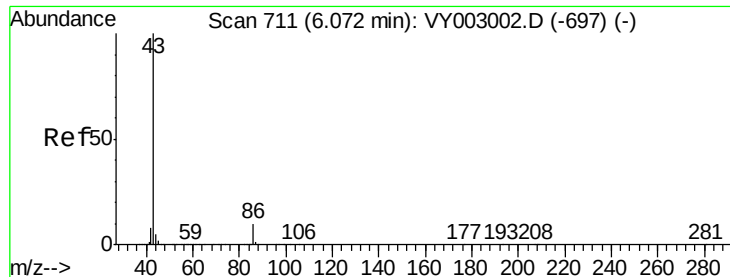
MMDadoda
6/30/2020 12:54:01 PM



#22
Diisopropyl ether
Concen: 4.840 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	47.4	71.2
87	26.2	20.2	30.2
59	13.3	9.2	13.8





#23

Vinyl Acetate

Concen: 23.624 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 249232

Ion Ratio Lower Upper

43 100

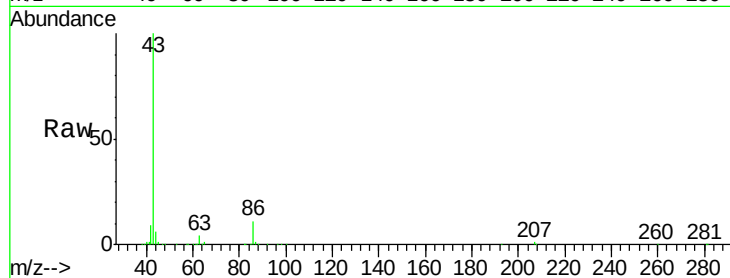
86 10.5 8.1 12.1

Manual Integrations

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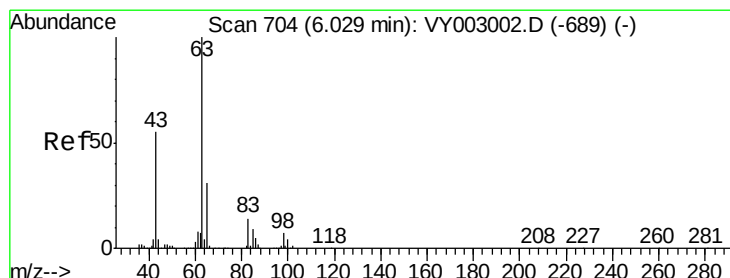
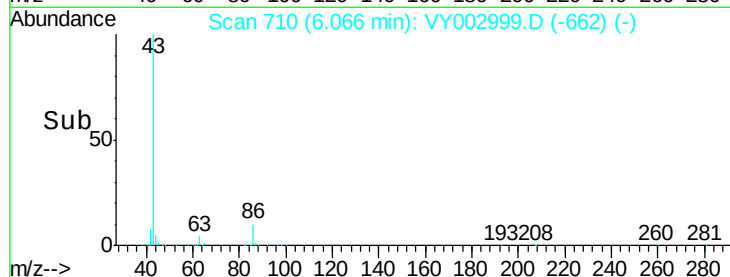
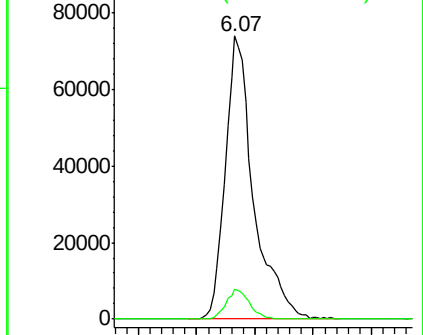
MMDadoda

6/30/2020 12:54:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.856 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

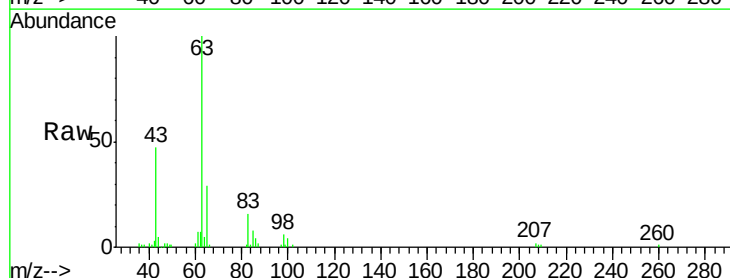
Tgt Ion: 63 Resp: 41855

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

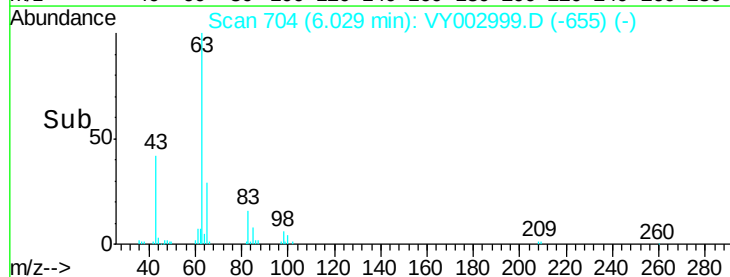
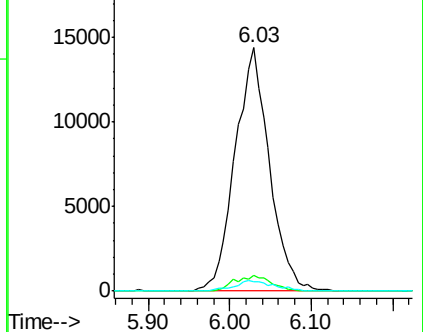
100 3.8 2.3 6.8

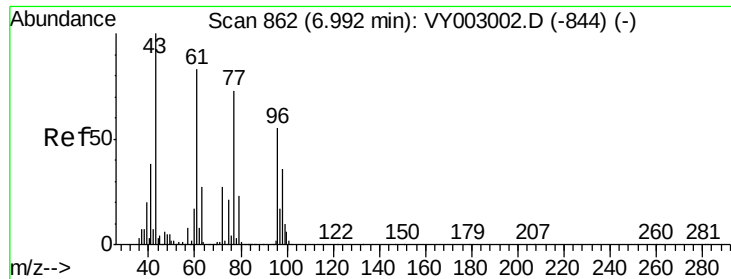


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 25.842 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 46745

Ion Ratio Lower Upper

43 100

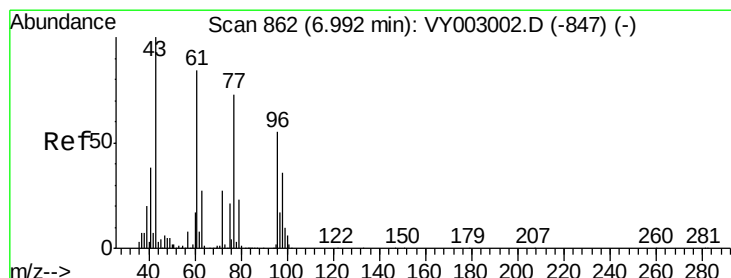
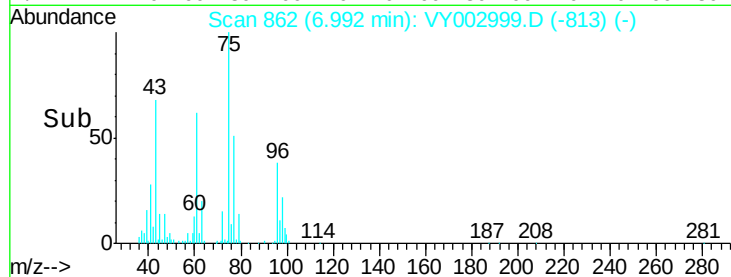
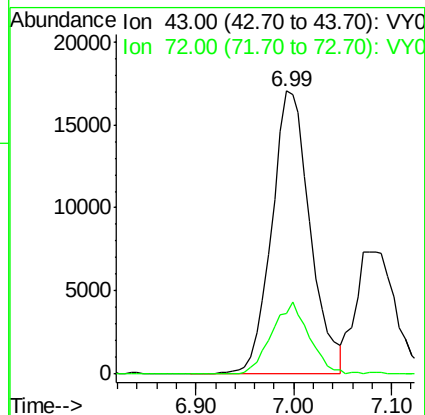
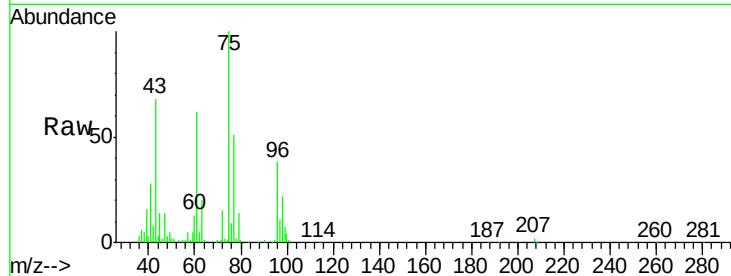
72 21.6 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.204 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002999.D

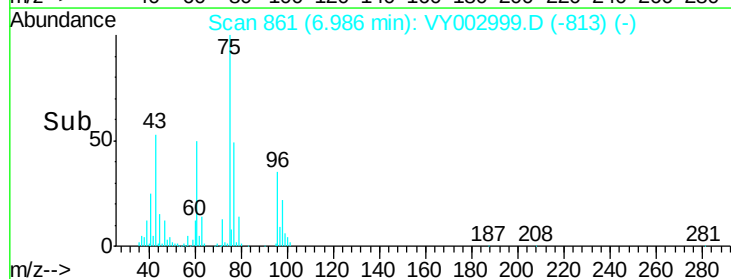
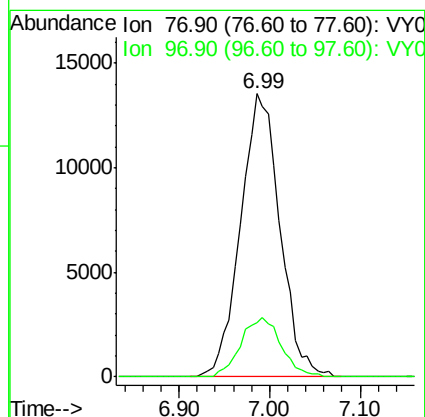
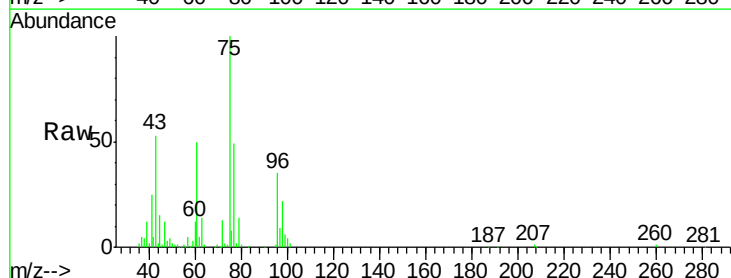
Acq: 29 Jun 2020 11:08

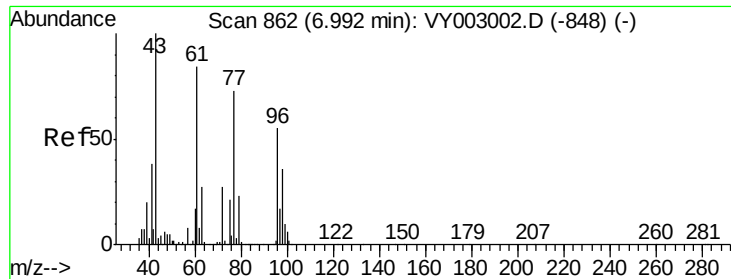
Tgt Ion: 77 Resp: 40753

Ion Ratio Lower Upper

77 100

97 21.5 11.3 33.9





#27

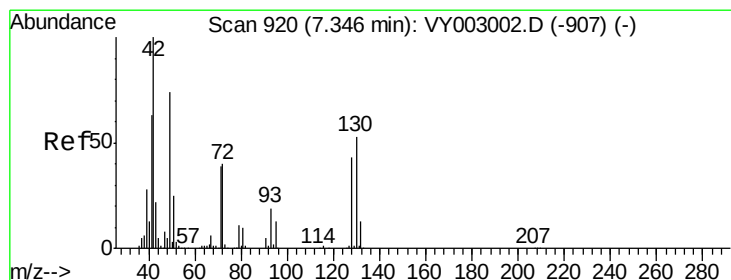
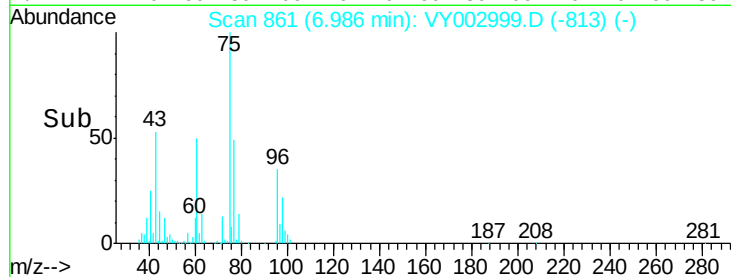
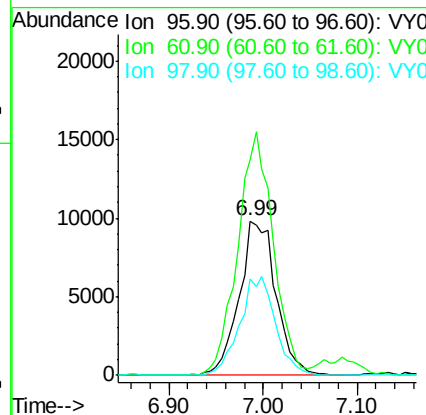
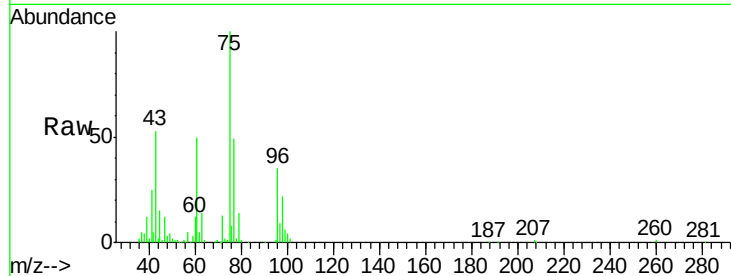
cis-1,2-Dichloroethene
Concen: 5.016 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	301.2
98	61.9	0.0	129.0

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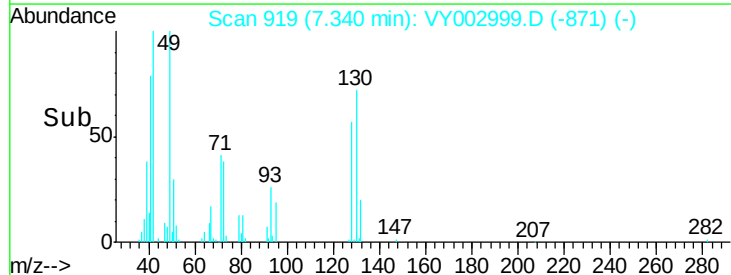
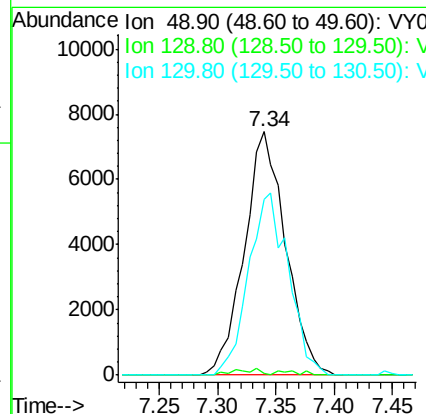
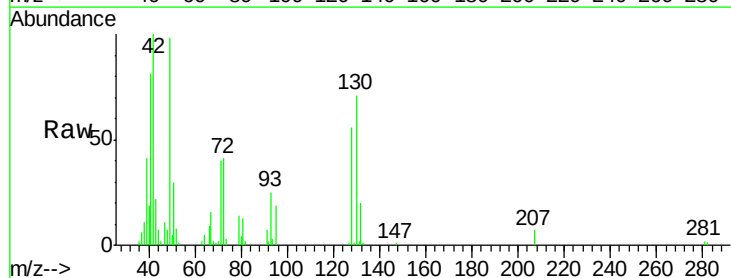
MMDadoda
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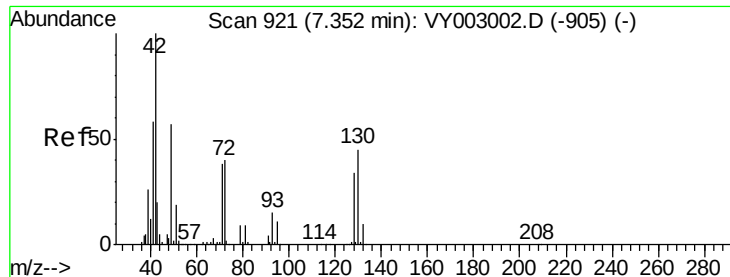


#28

Bromochloromethane
Concen: 4.802 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	71.8	57.0	85.6





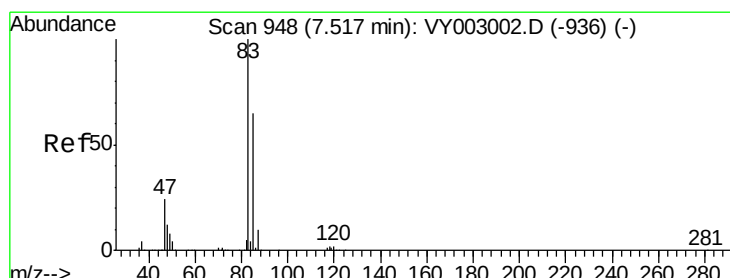
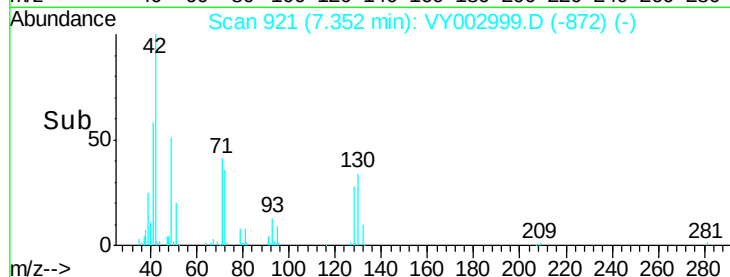
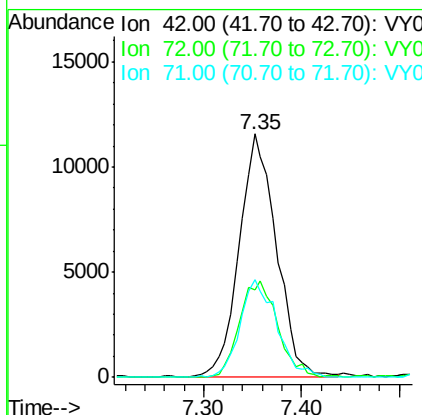
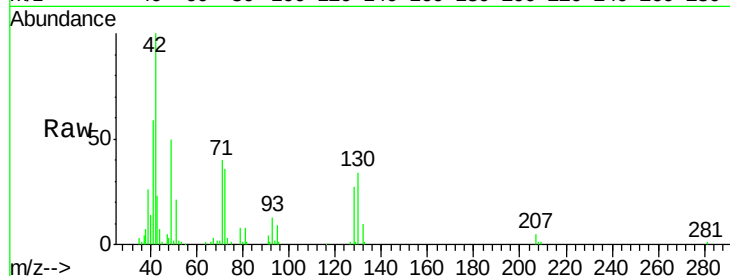
#29
Tetrahydrofuran
Concen: 25.461 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.9	49.3
71	39.7	31.2	46.8

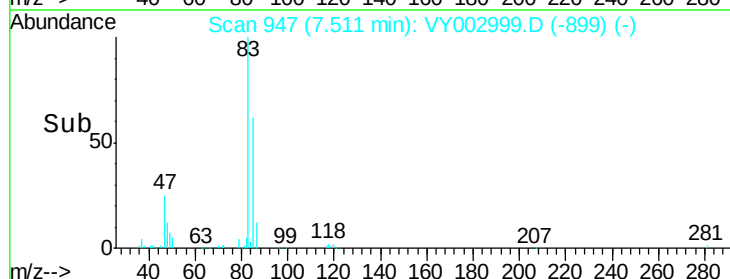
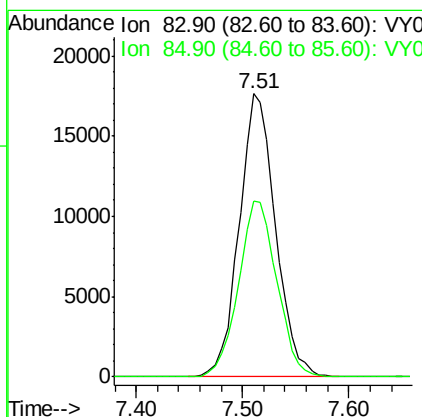
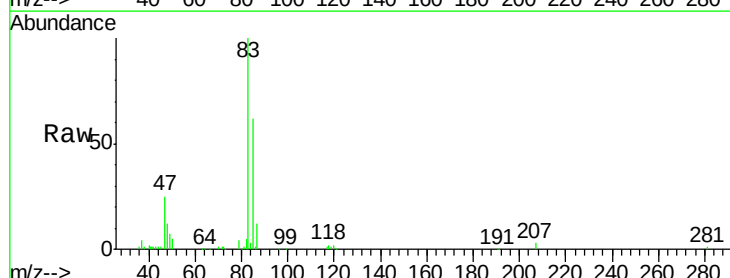
Manual Integrations
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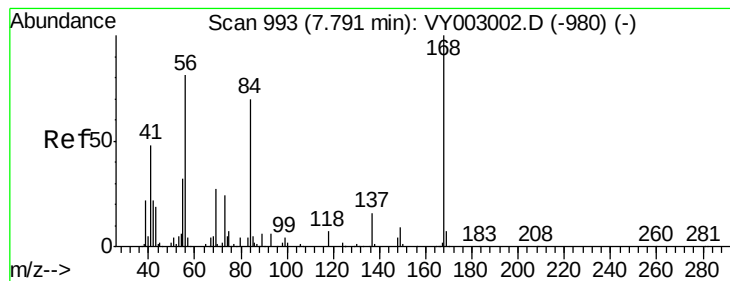
MMDadoda
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#30
Chloroform
Concen: 4.941 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.7	77.5





#31

Cyclohexane

Concen: 5.586 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

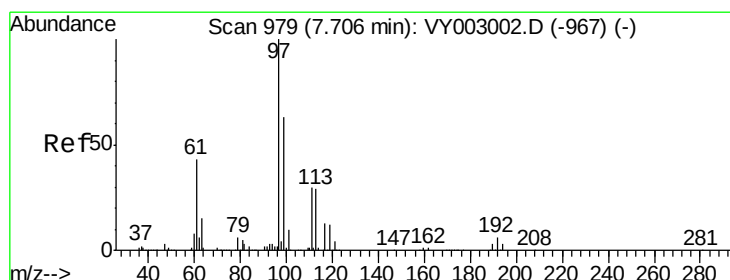
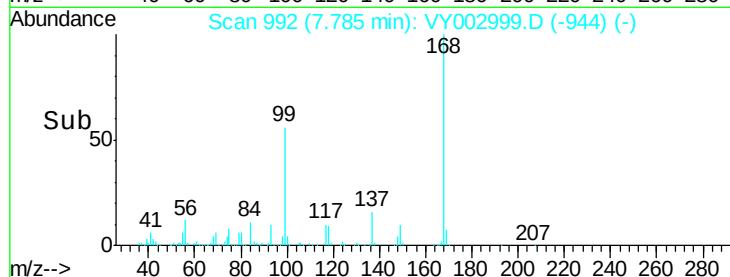
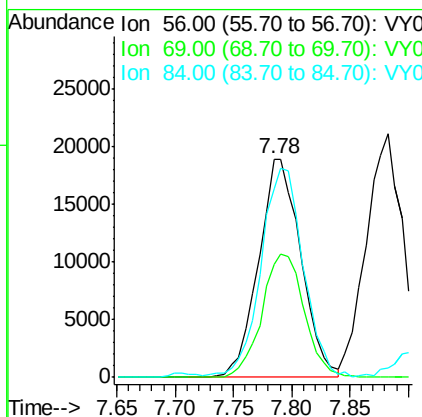
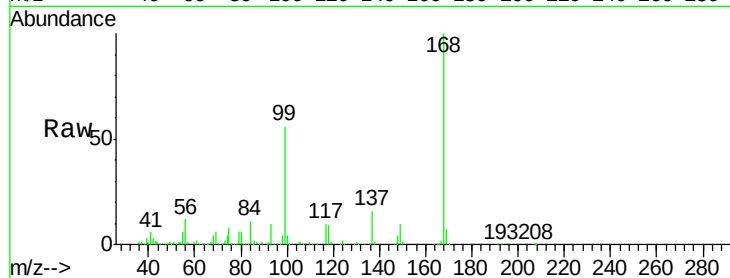
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	47431
Ion Ratio	Lower	Upper	
56	100		
69	51.8	27.0	40.4#
84	85.2	68.1	102.1

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#32

1,1,1-Trichloroethane

Concen: 4.948 ug/l

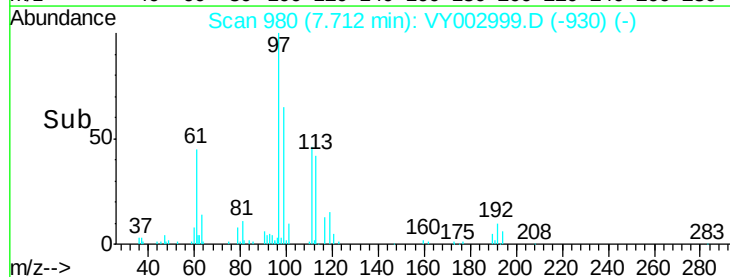
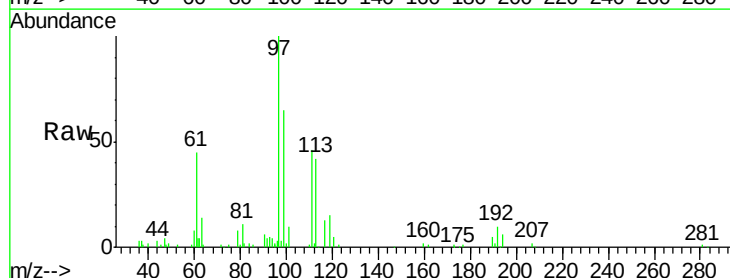
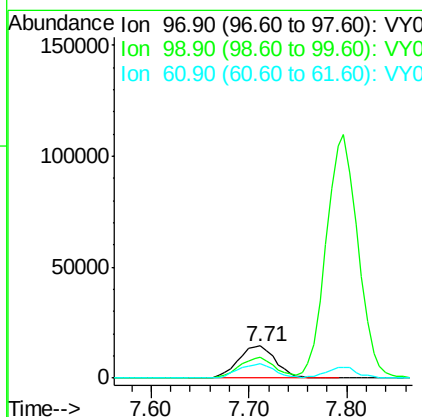
RT: 7.71 min Scan# 980

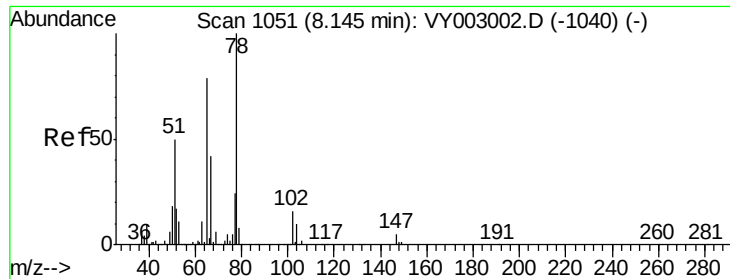
Delta R.T. 0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	97	Resp:	38570
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.4	77.2
61	43.2	33.9	50.9





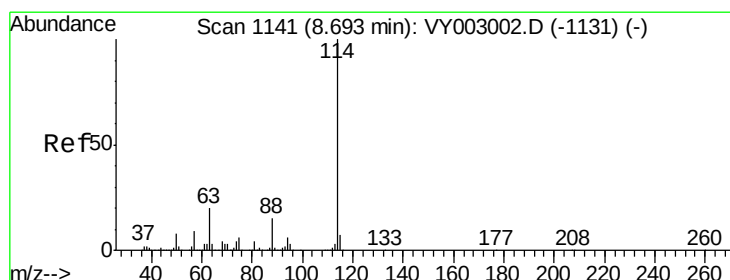
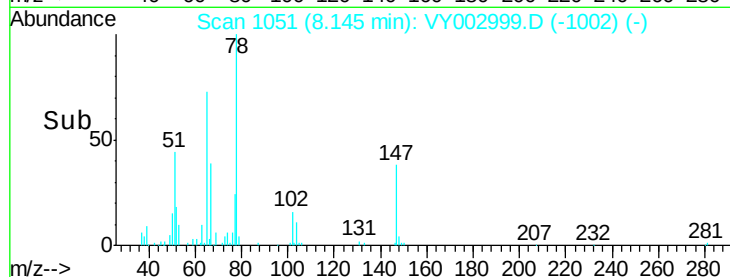
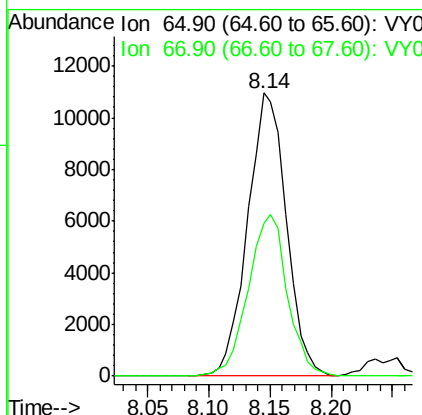
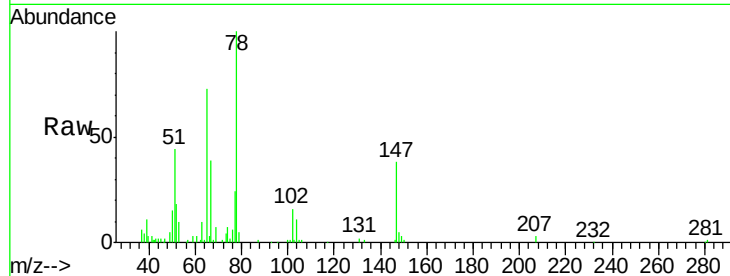
#33
 1,2-Dichloroethane-d4
 Concen: 5.000 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.0	0.0	105.6

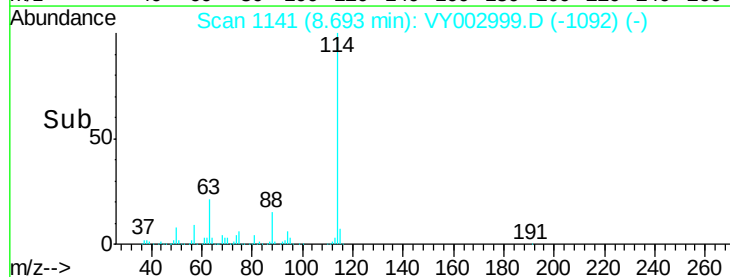
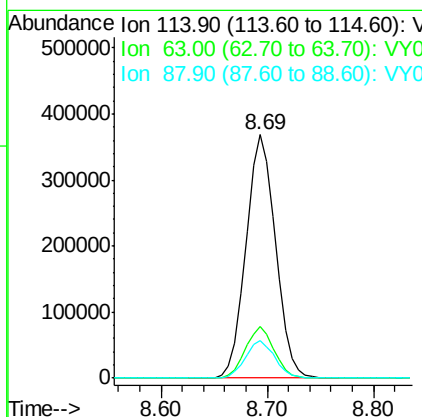
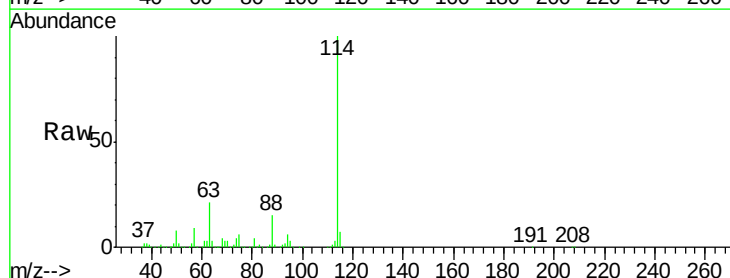
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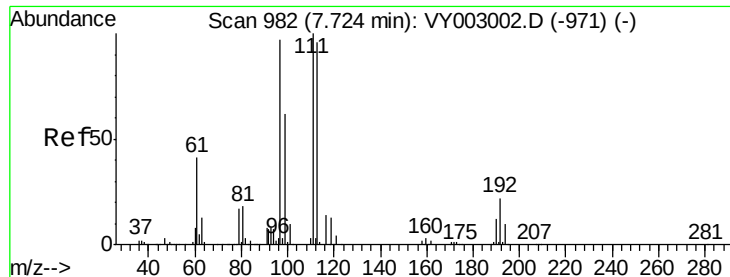
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.6
88	15.4	0.0	30.0





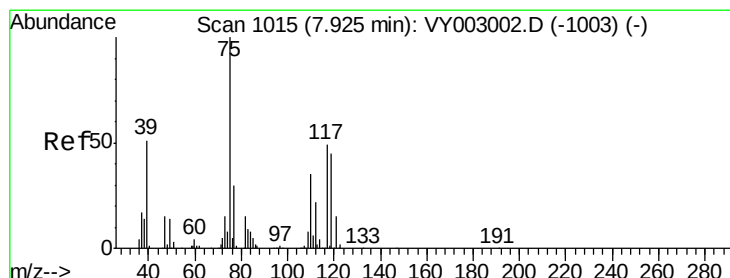
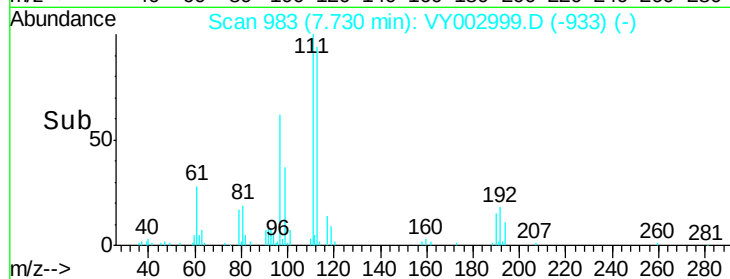
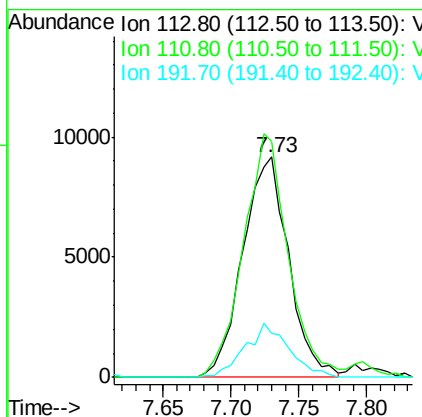
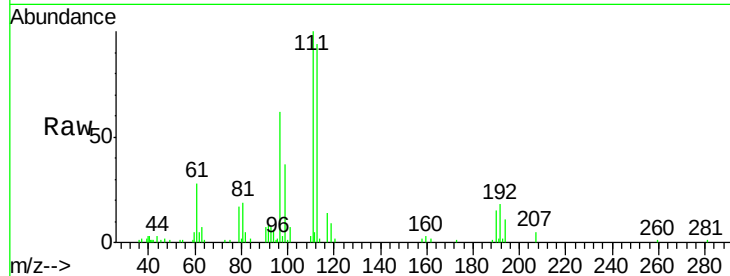
#35
 Dibromofluoromethane
 Concen: 4.841 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.7	82.6	123.8
192	23.4	18.1	27.1

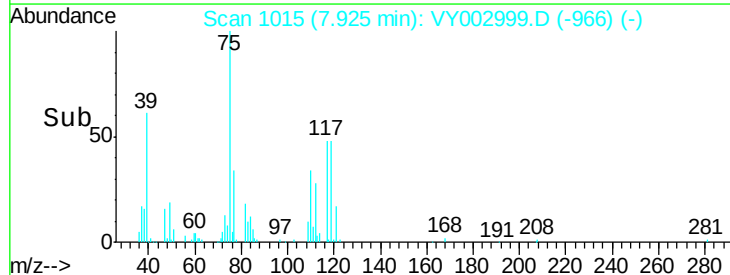
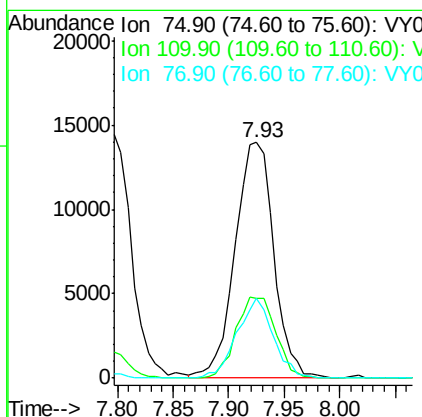
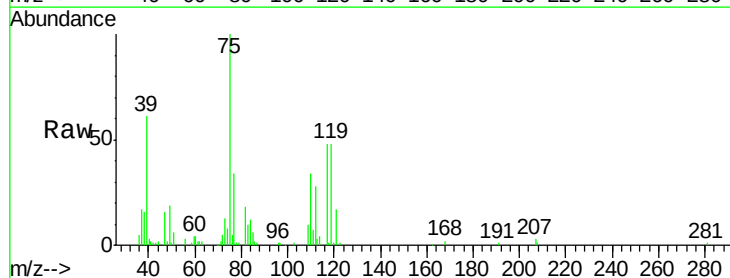
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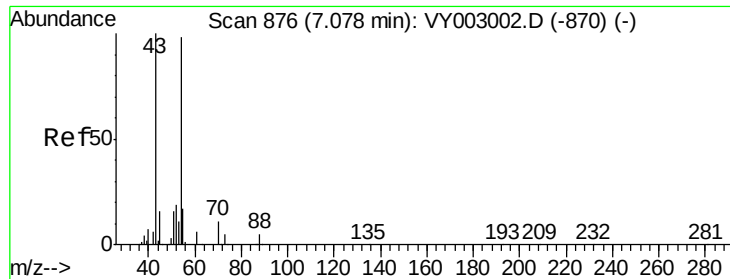
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#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.1	51.2
77	31.9	24.9	37.3





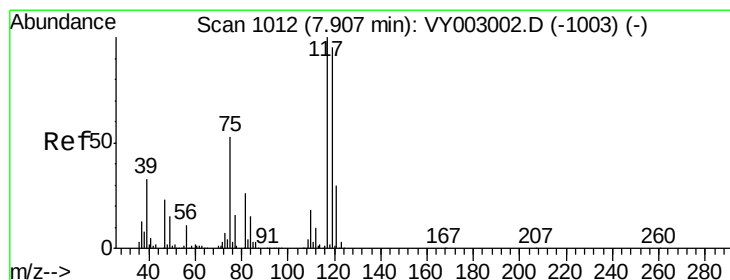
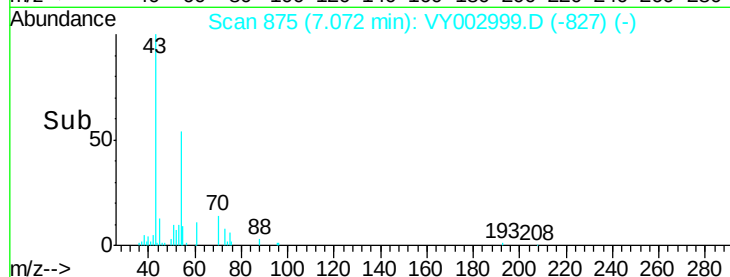
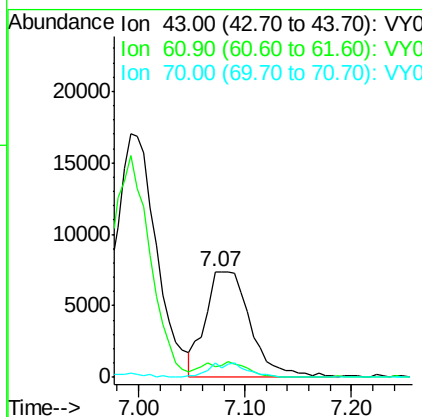
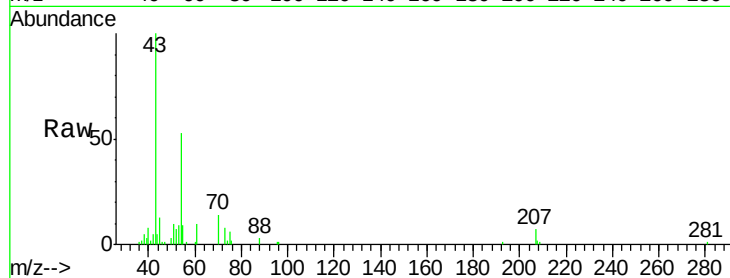
#37
Ethyl Acetate
Concen: 5.215 ug/l
RT: 7.07 min Scan# 875
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	11.2	7.7	11.5

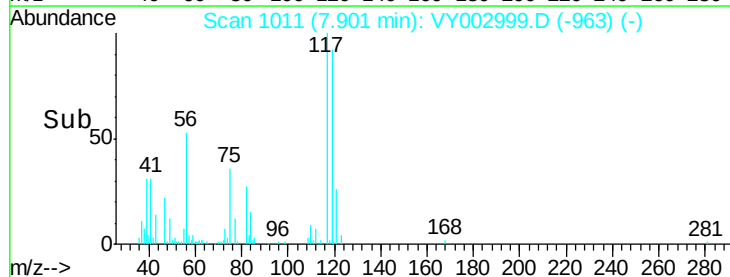
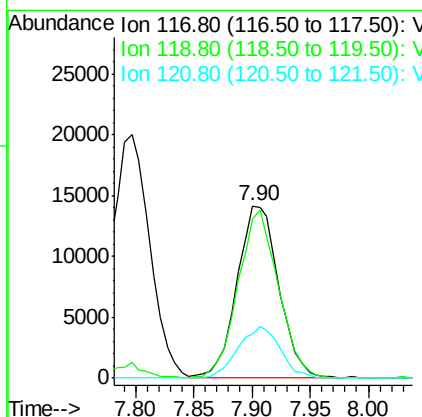
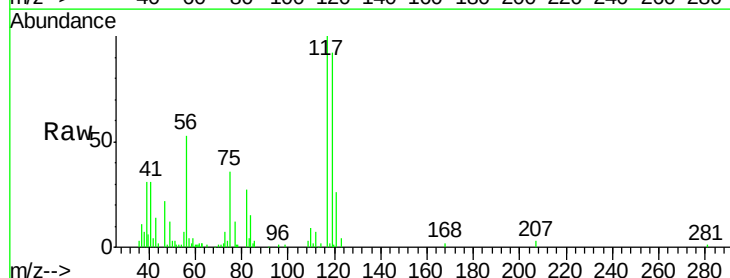
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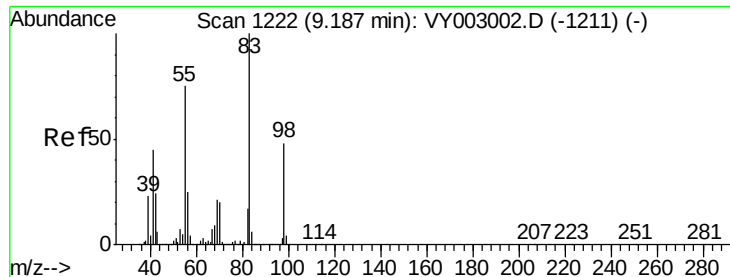
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#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.7	113.5
121	25.6	23.9	35.9





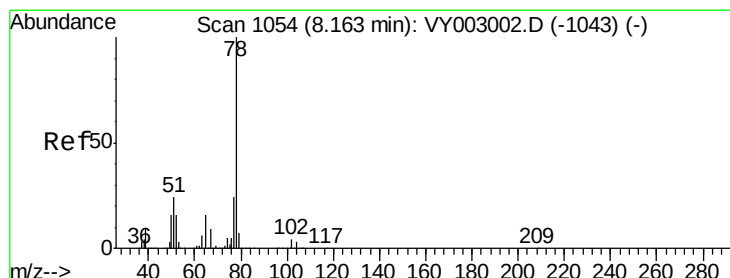
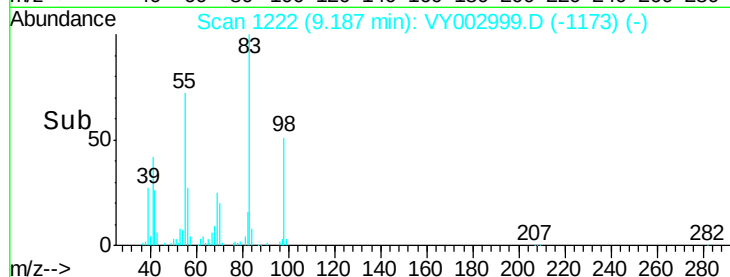
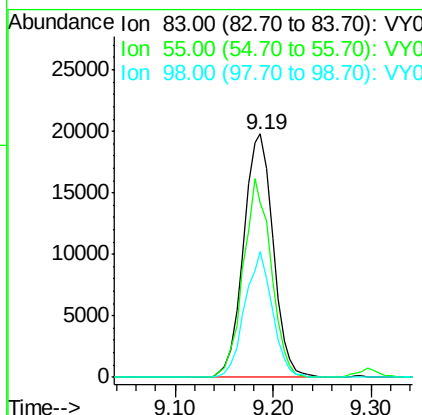
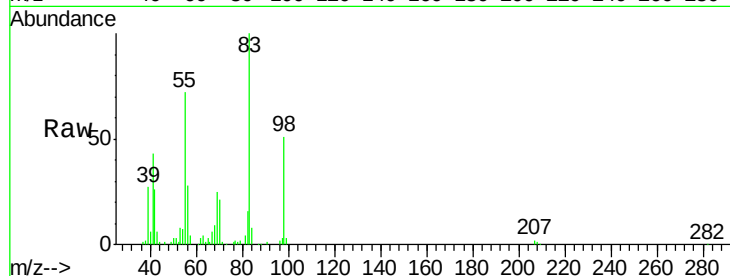
#39
Methylvlcyclohexane
Concen: 4.863 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	59.9	89.9
98	51.5	38.7	58.1

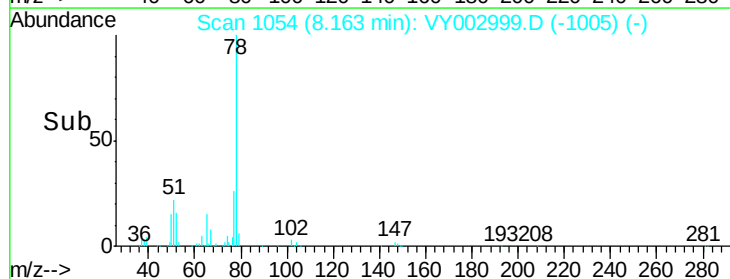
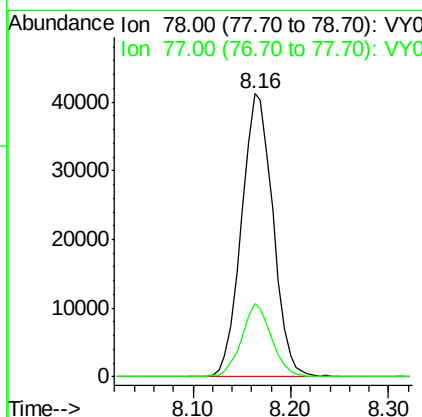
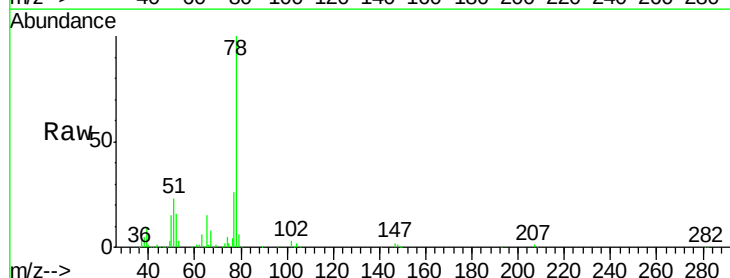
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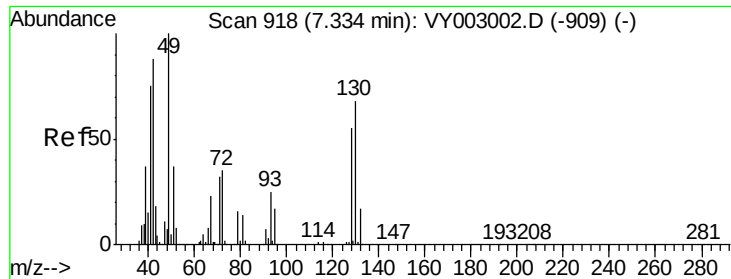
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#40
Benzene
Concen: 4.844 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.2	28.8





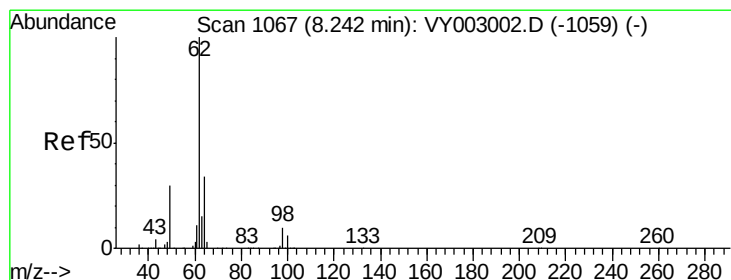
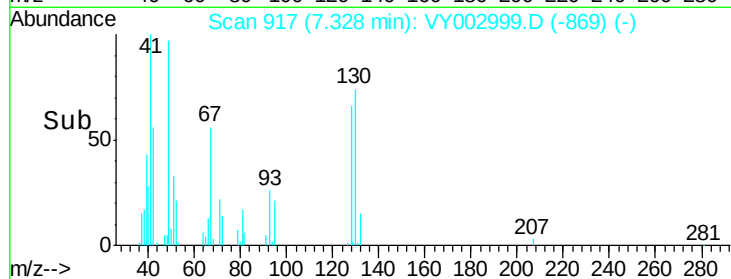
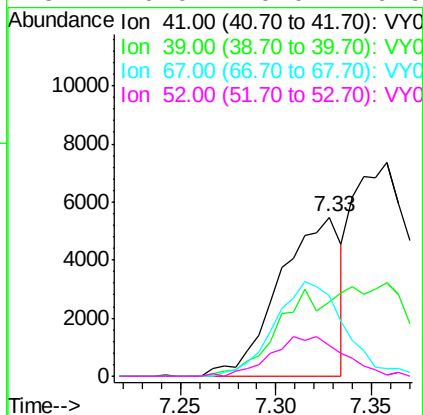
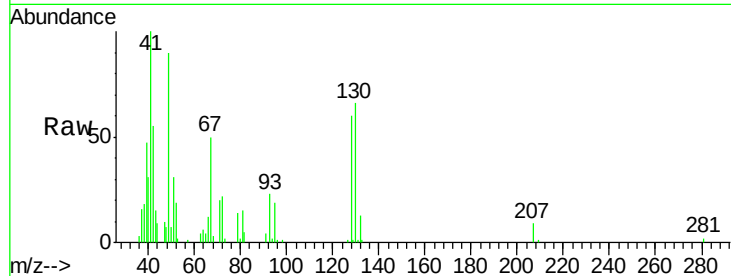
#41
Methacrylonitrile
Concen: 2.391 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	12210
Ion	Ratio	Lower	Upper
41	100		
39	3.5	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

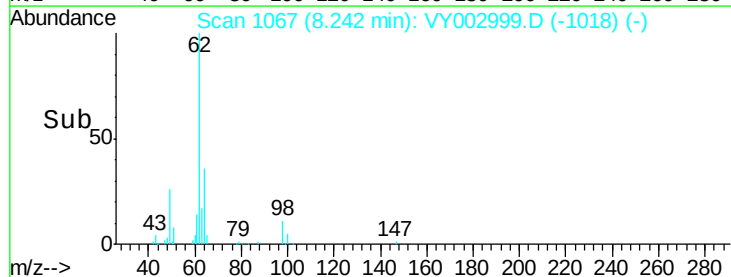
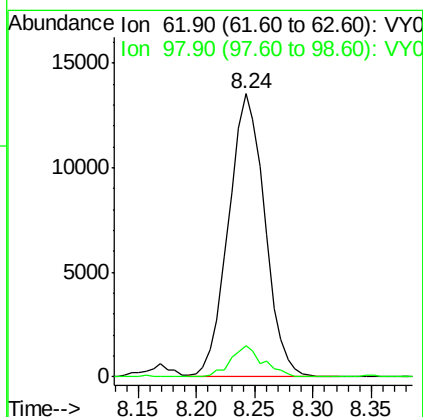
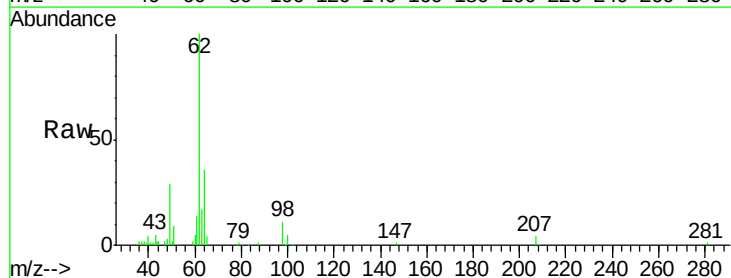
Manual Integrations
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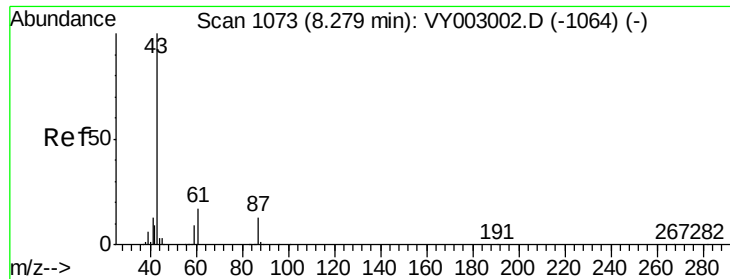
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#42
1,2-Dichloroethane
Concen: 4.903 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	62	Resp	29408
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





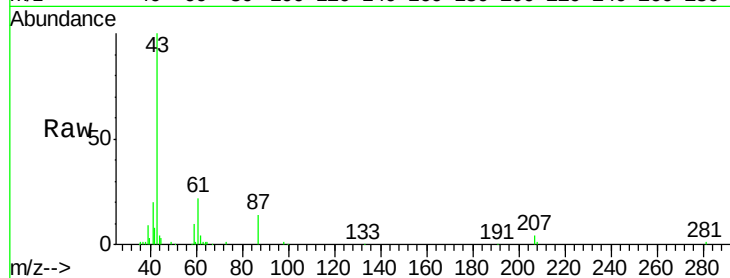
#43
Isopropyl Acetate
Concen: 4.909 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.8	32.6
87	13.0	10.1	15.1

Manual Integrations
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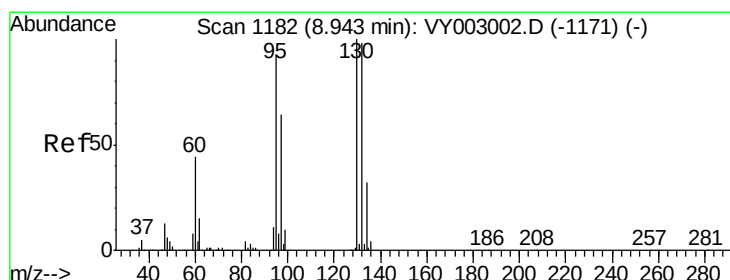
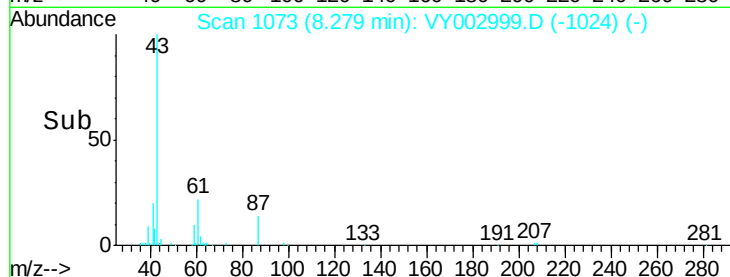
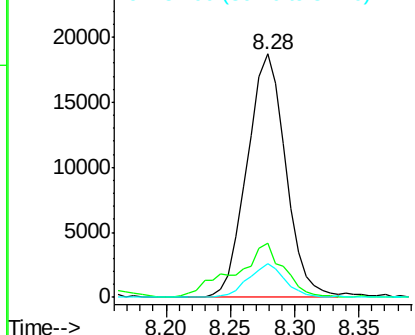
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Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-1064) (-)

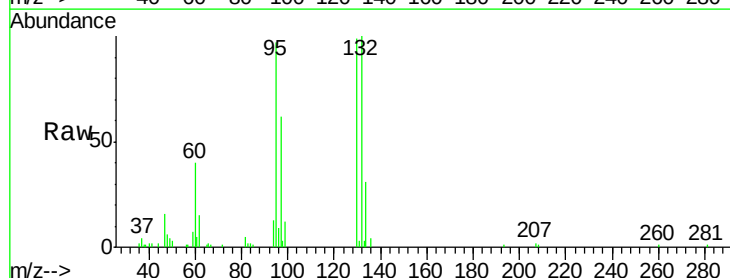
Ion 61.00 (60.70 to 61.70): VY003002.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY003002.D (-1064) (-)



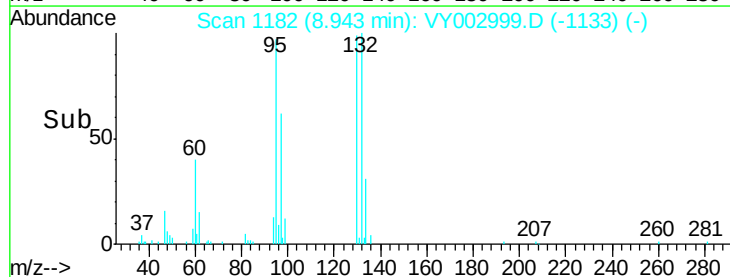
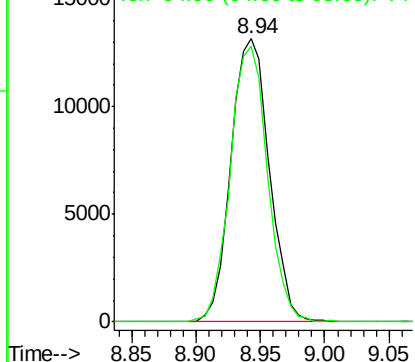
#44
Trichloroethene
Concen: 4.943 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

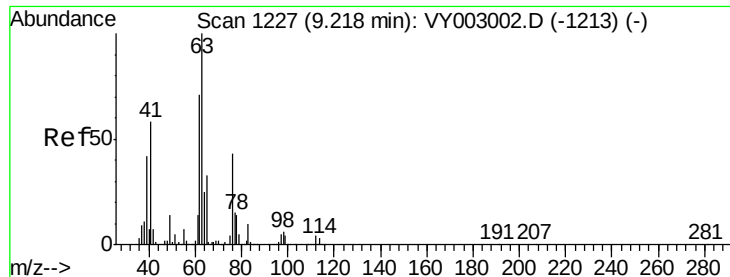
Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003002.D (-1171) (-)

Ion 94.90 (94.60 to 95.60): VY003002.D (-1171) (-)





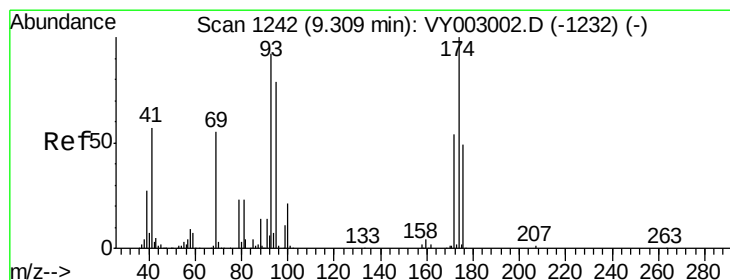
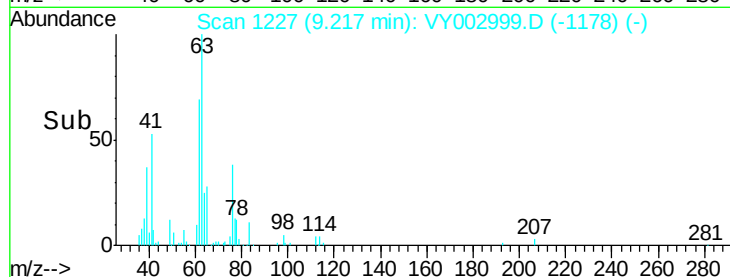
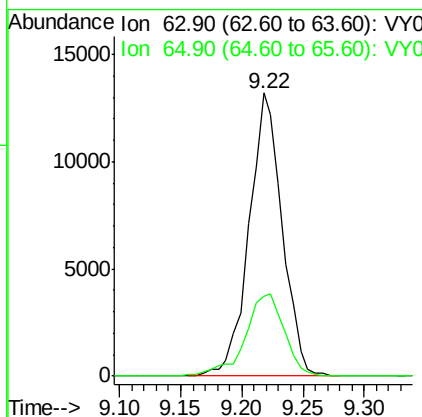
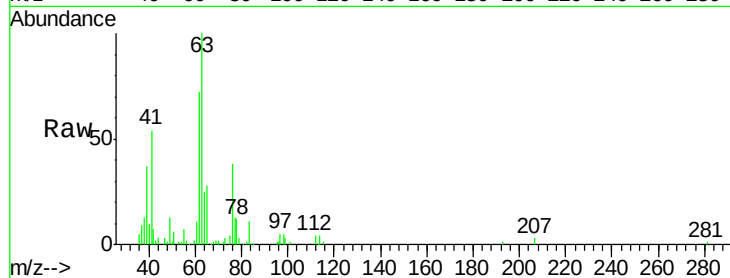
#45
 1,2-Dichloropropane
 Concen: 4.885 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.1	26.2	39.4

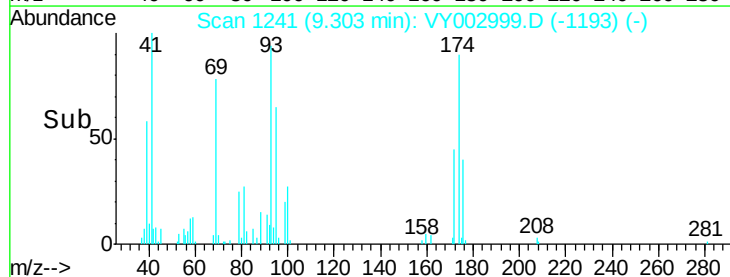
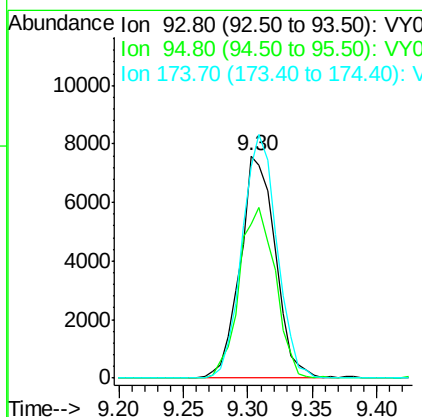
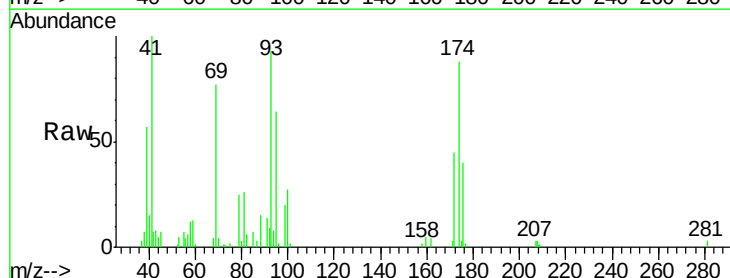
Manual Integrations
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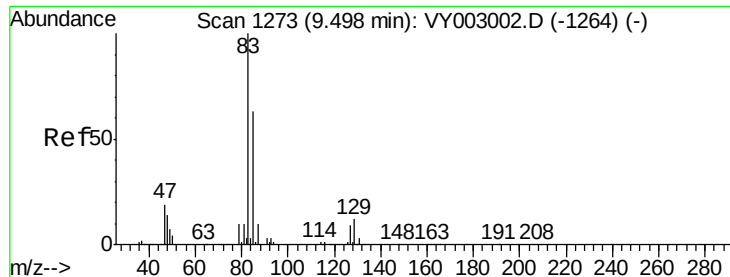
MMDadoda
 6/30/2020 12:54:01 PM



#46
 Dibromomethane
 Concen: 5.028 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.0	67.6	101.4
174	107.8	88.3	132.5





#47

Bromodichloromethane

Concen: 4.966 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

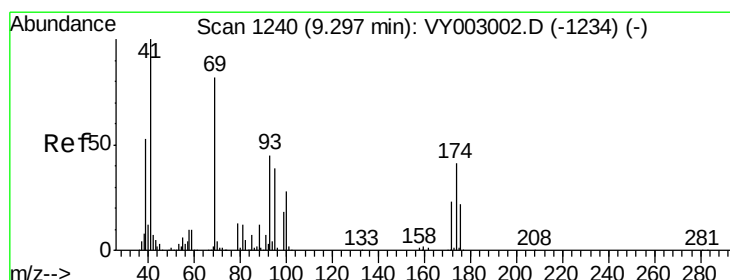
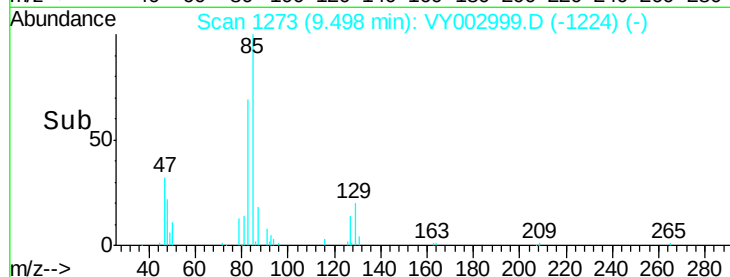
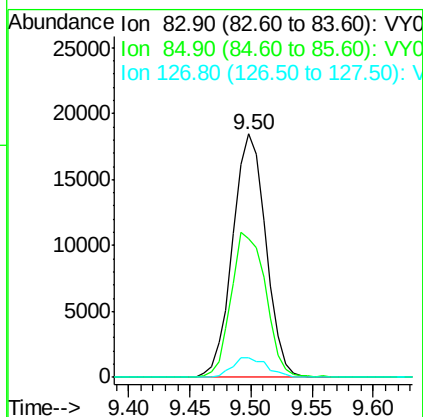
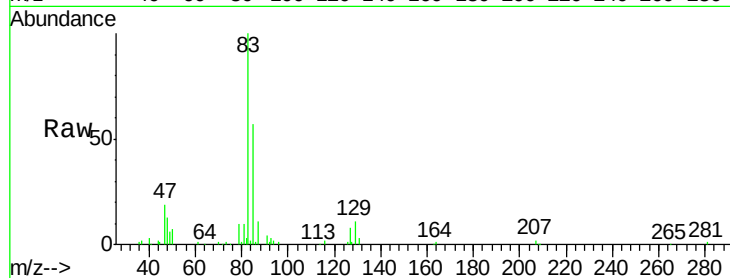
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34641
Ion	Ratio	Lower	Upper
83	100		
85	56.9	50.5	75.7
127	7.9	7.0	10.4

Manual Integrations
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MMDadoda
6/30/2020 12:54:01 PM



#48

Methyl methacrylate

Concen: 4.810 ug/l

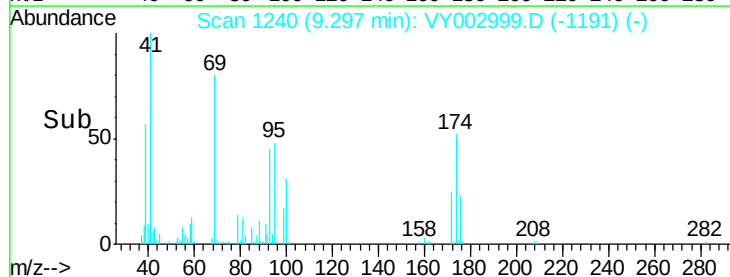
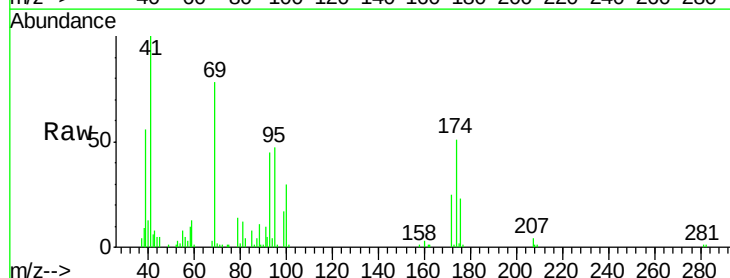
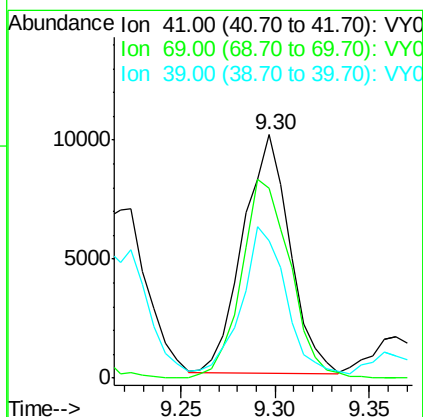
RT: 9.30 min Scan# 1240

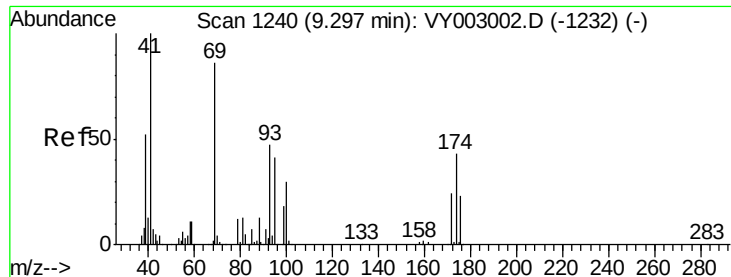
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	41	Resp:	17332
Ion	Ratio	Lower	Upper
41	100		
69	86.3	67.7	101.5
39	58.0	45.0	67.4





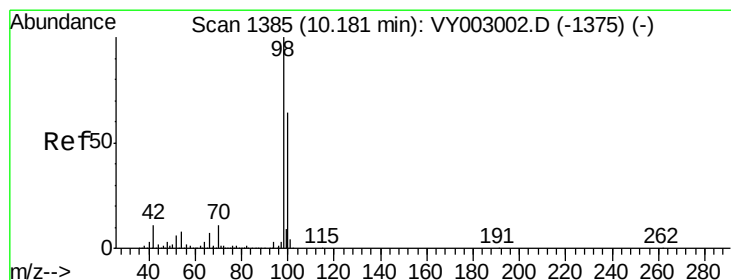
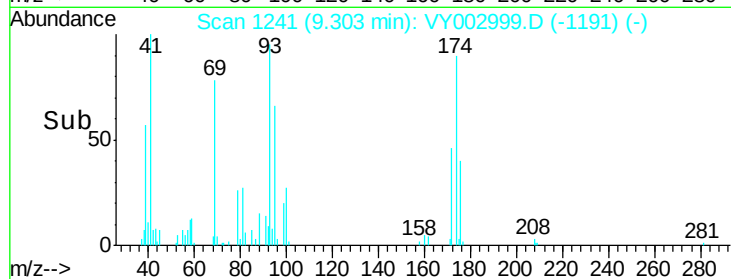
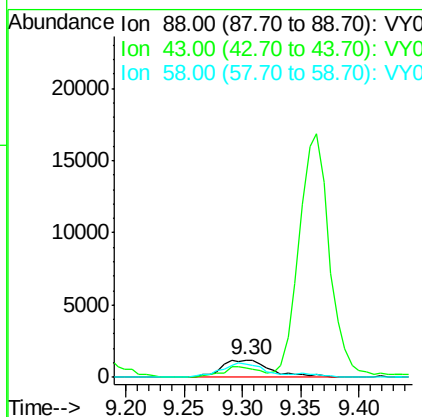
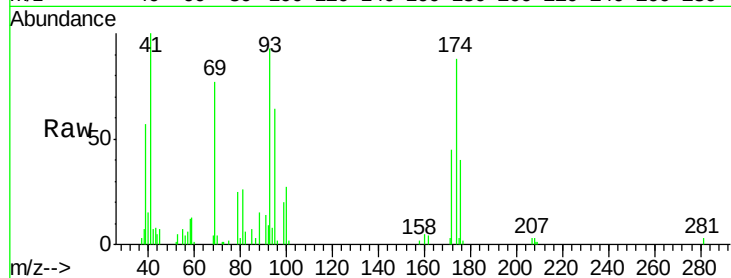
#49
1,4-Dioxane
Concen: 103.569 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.4	28.6	42.8#
58	73.2	56.7	85.1

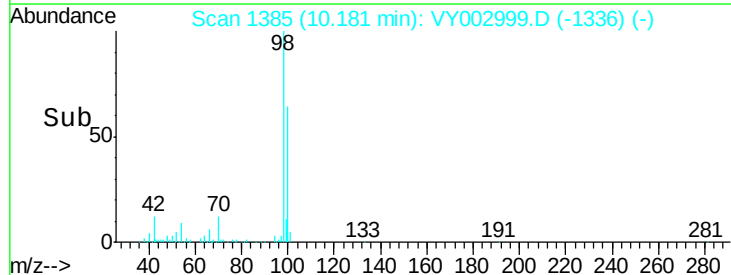
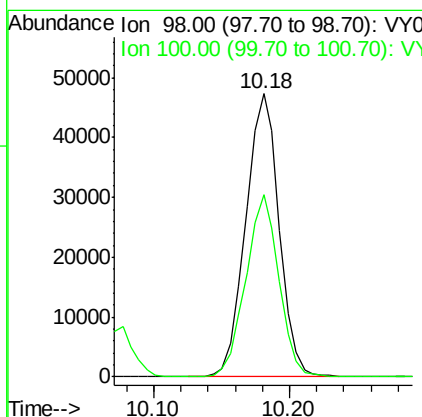
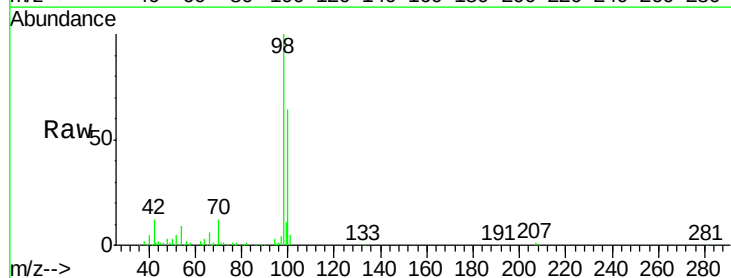
Manual Integrations
APPROVED

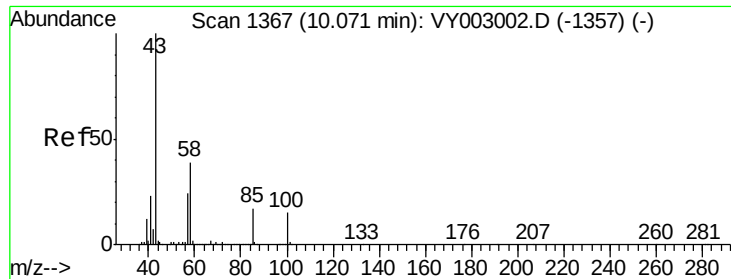
MMDadoda
6/30/2020 12:54:01 PM



#50
Toluene-d8
Concen: 4.870 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





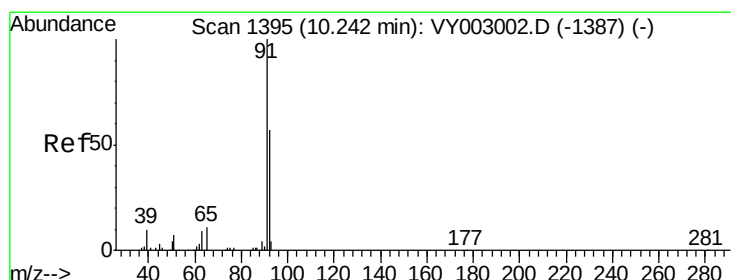
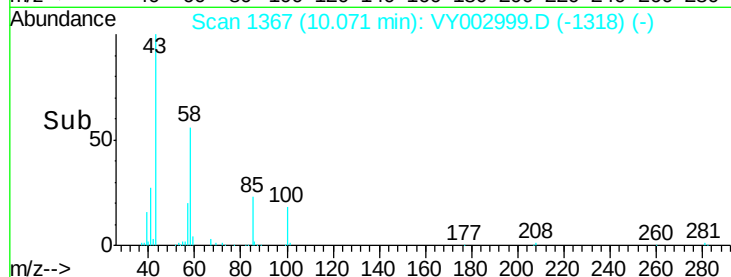
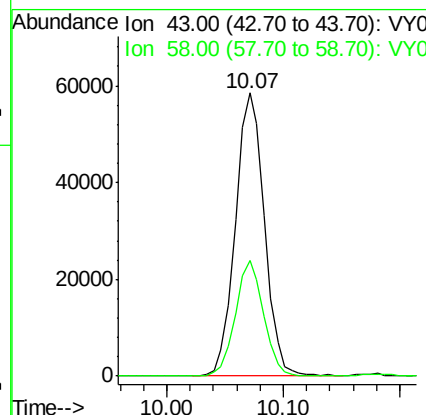
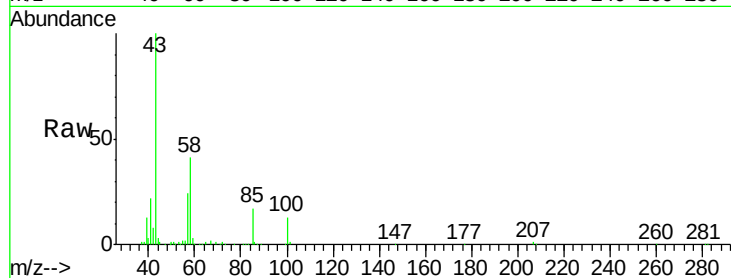
#51
4-Methyl-2-Pentanone
Concen: 24.821 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	101555
Ion Ratio	43	100	
Lower	58	39.7	31.1
Upper			46.7

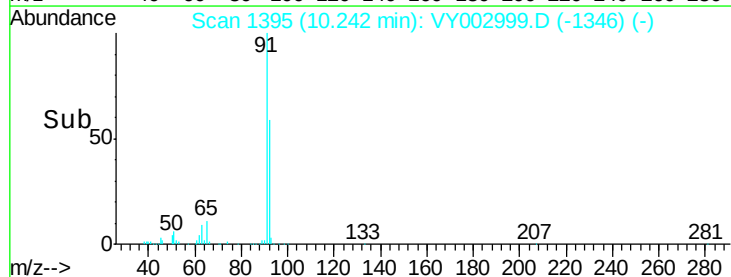
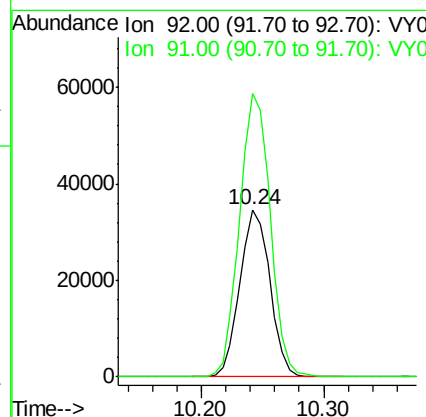
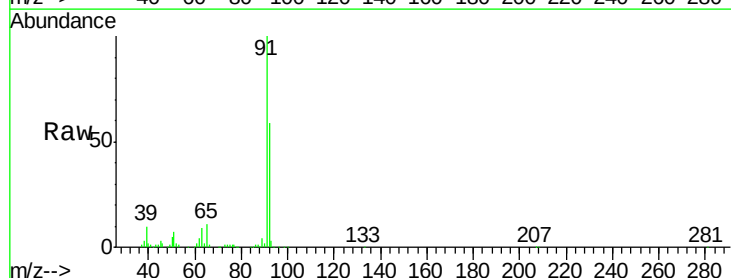
Manual Integrations
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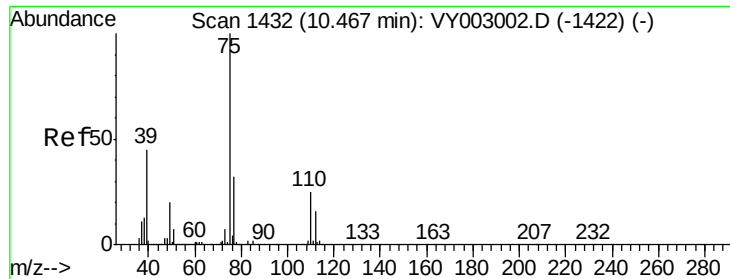
MMDadoda
6/30/2020 12:54:01 PM



#52
Toluene
Concen: 4.953 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	92	Resp	59123
Ion Ratio	92	100	
Lower	91	173.2	139.6
Upper			209.4





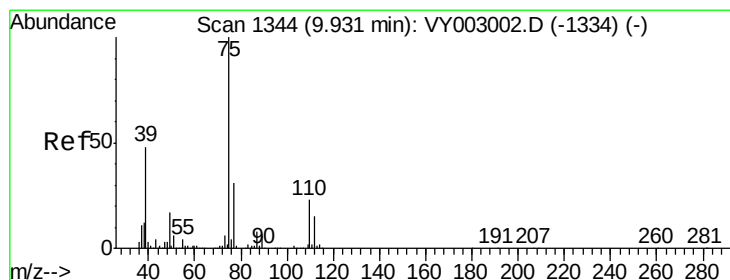
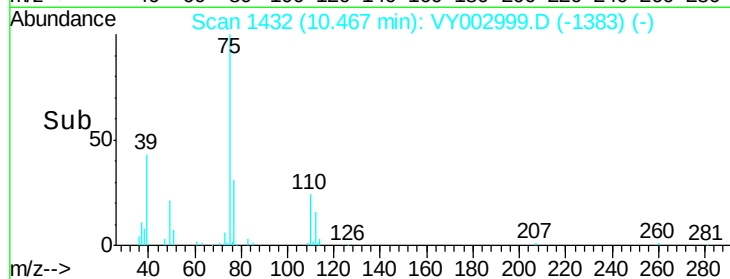
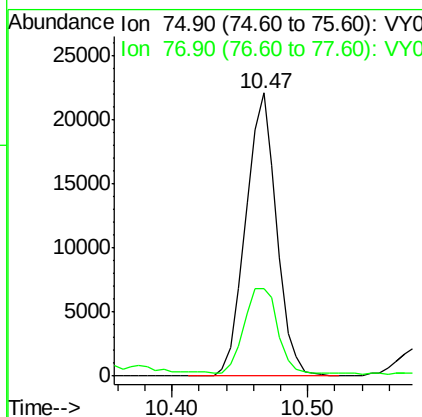
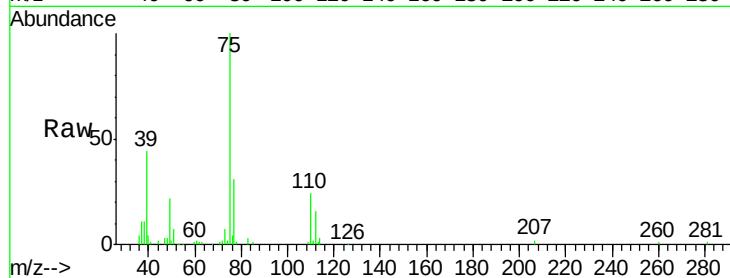
#53
t-1,3-Dichloropropene
Concen: 4.787 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.9	38.9

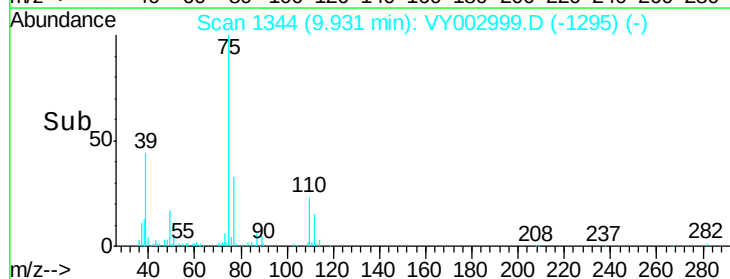
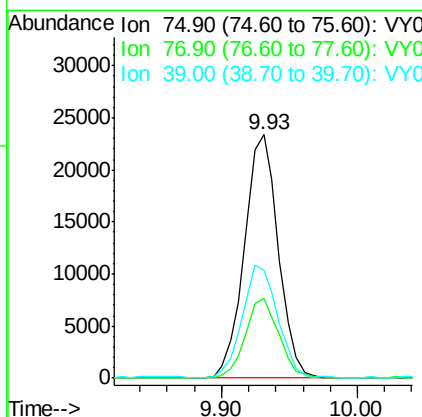
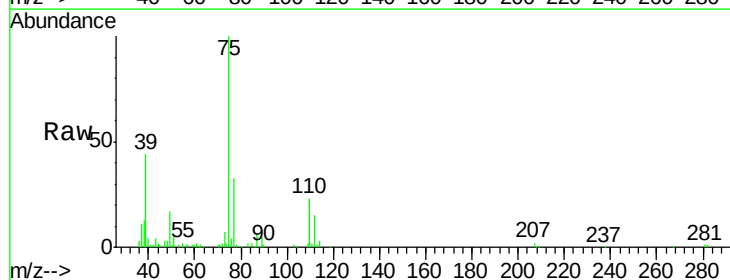
Manual Integrations
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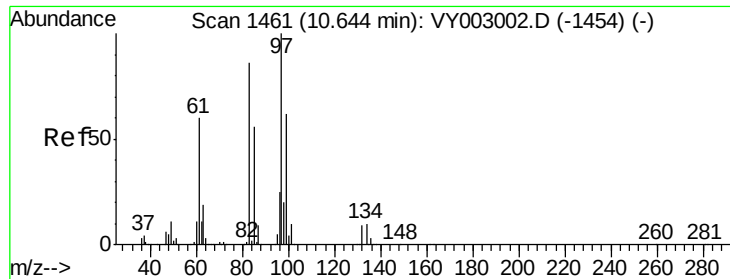
MMDadoda
6/30/2020 12:54:01 PM



#54
cis-1,3-Dichloropropene
Concen: 4.873 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	37.0
39	44.2	38.3	57.5





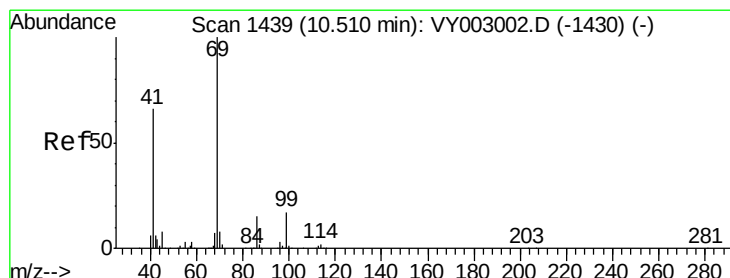
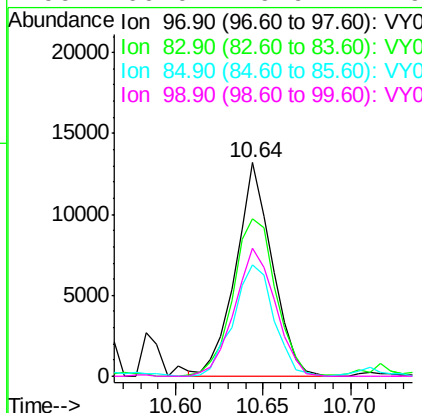
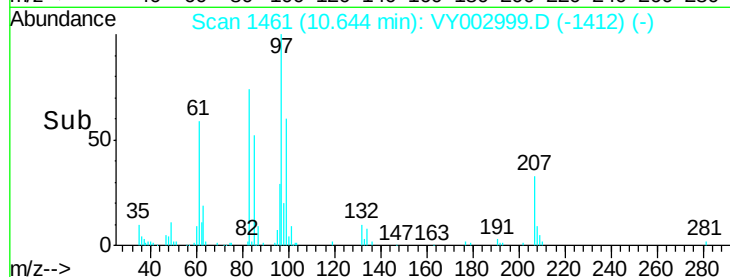
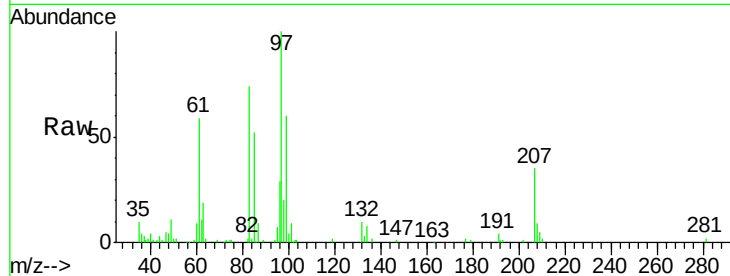
#55
 1,1,2-Trichloroethane
 Concen: 4.866 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19263
Ion	Ratio	Lower	Upper
97	100		
83	73.1	69.0	103.6
85	52.3	44.8	67.2
99	60.0	49.9	74.9

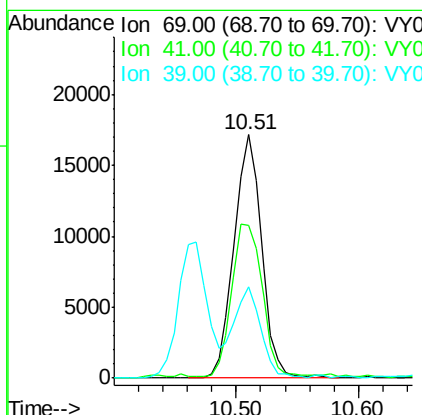
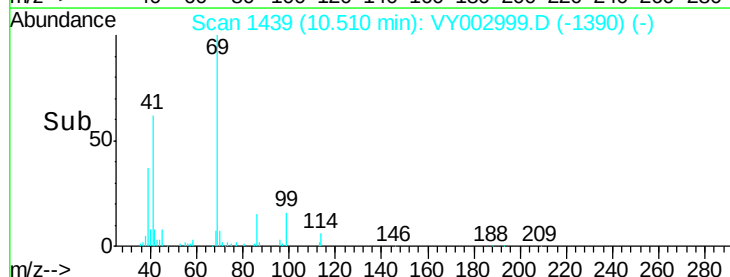
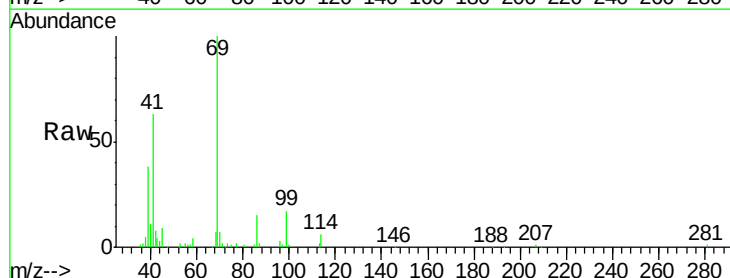
Manual Integrations
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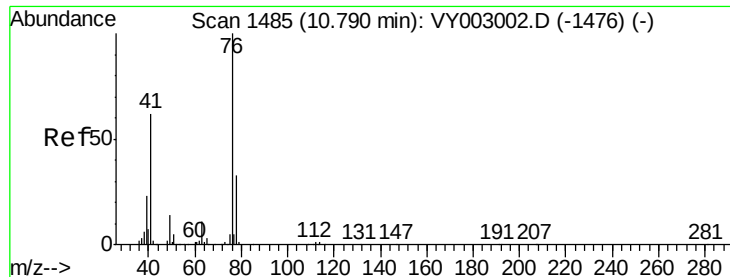
MMDadoda
 6/30/2020 12:54:01 PM



#56
 Ethyl methacrylate
 Concen: 4.683 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion:	69	Resp:	26838
Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.7	80.5
39	36.7	28.3	42.5





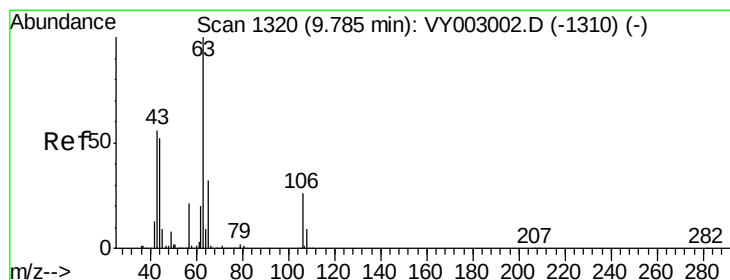
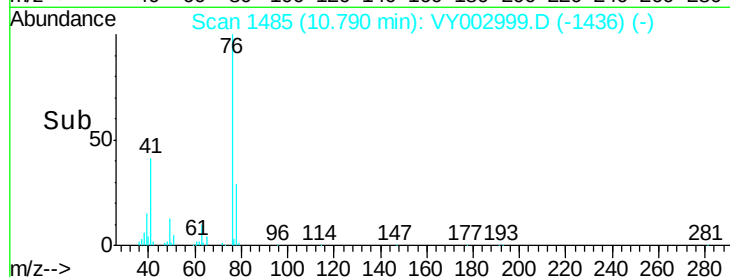
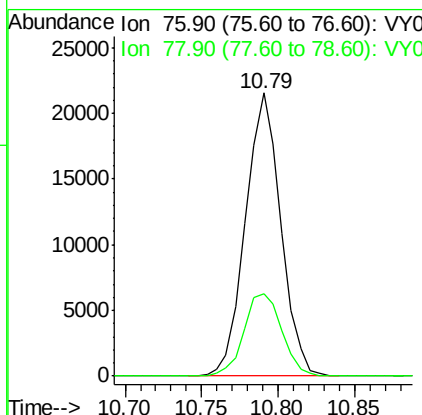
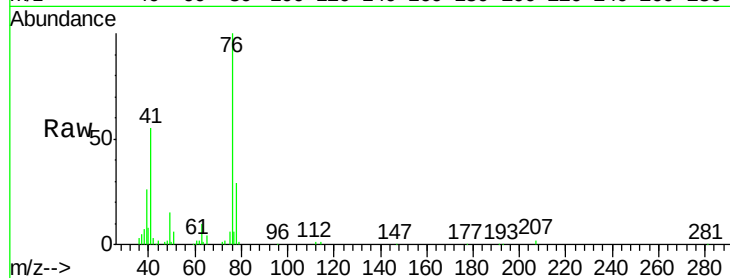
#57
 1,3-Dichloropropane
 Concen: 4.987 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0

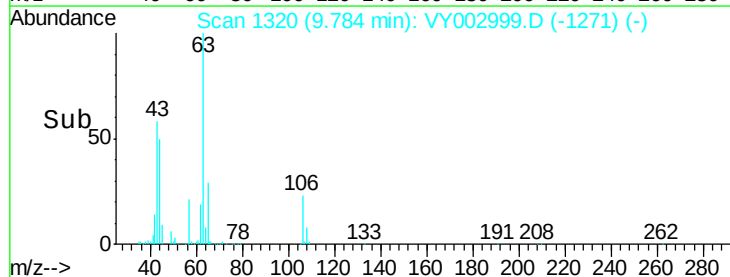
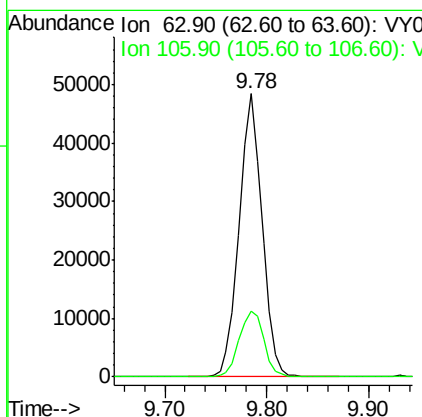
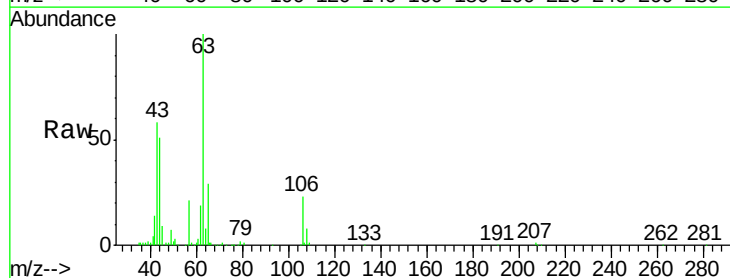
Manual Integrations
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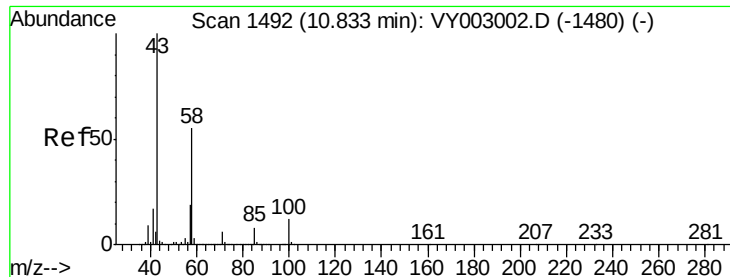
MMDadoda
 6/30/2020 12:54:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.641 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	21.5	32.3





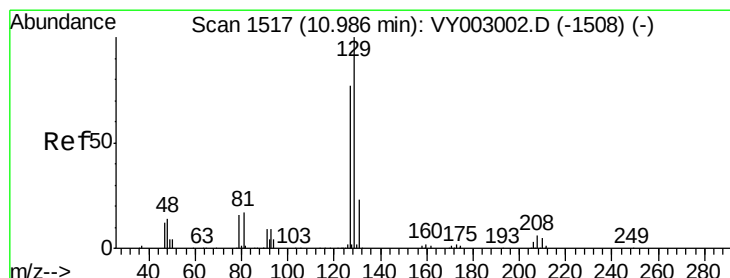
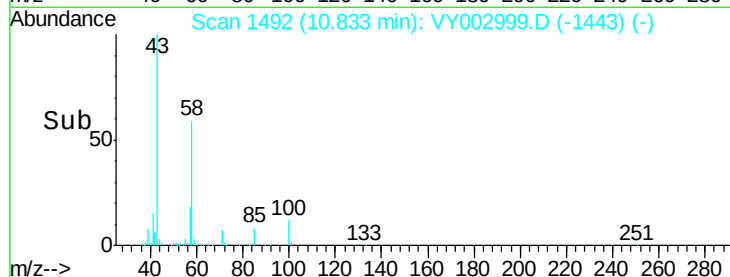
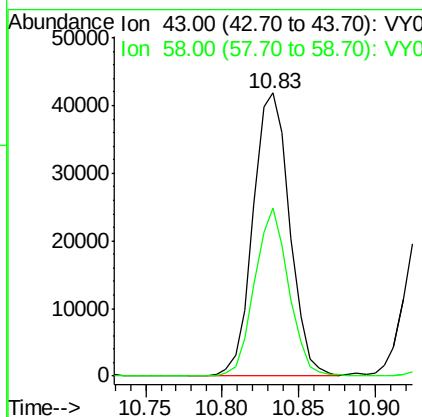
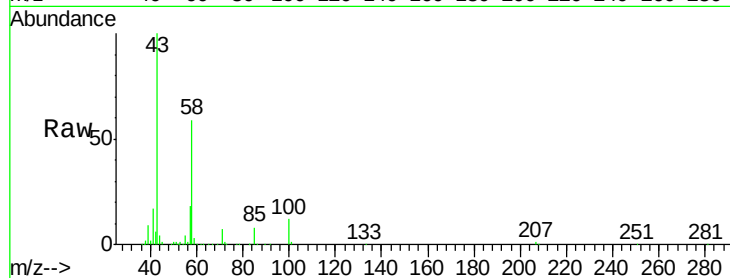
#59
2-Hexanone
Concen: 24.397 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 69773
Ion Ratio Lower Upper
43 100
58 55.4 27.5 82.4

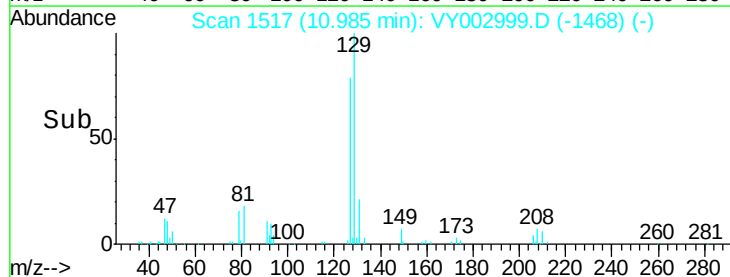
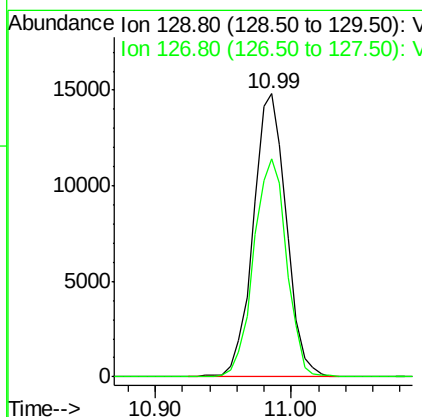
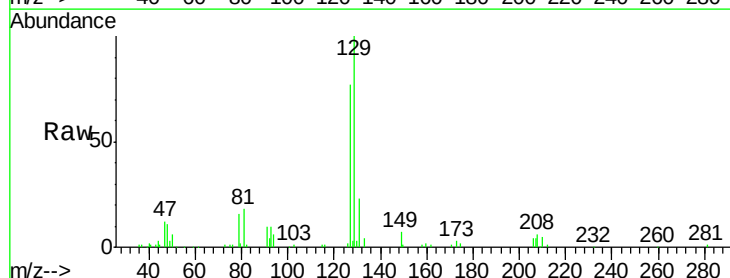
Manual Integrations
APPROVED

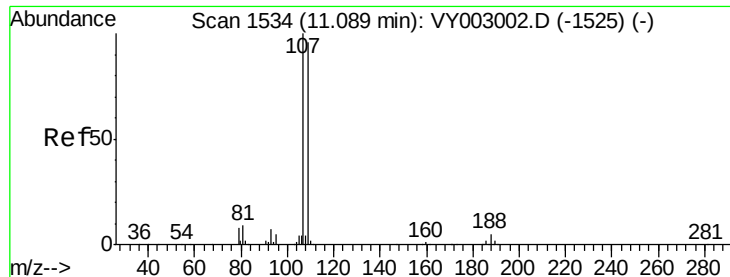
MMDadoda
6/30/2020 12:54:01 PM



#60
Dibromochloromethane
Concen: 4.993 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion: 129 Resp: 25296
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





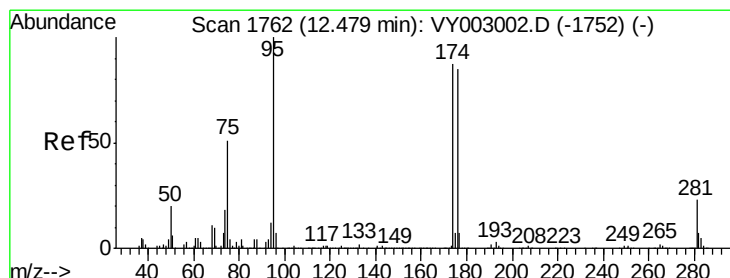
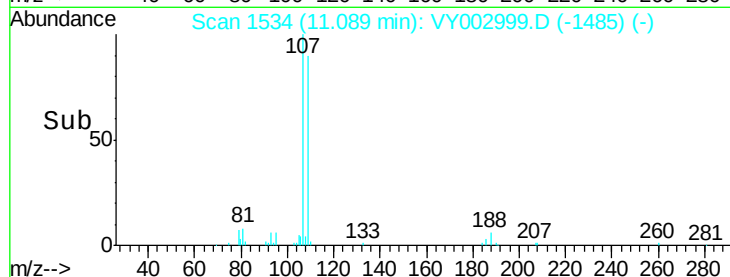
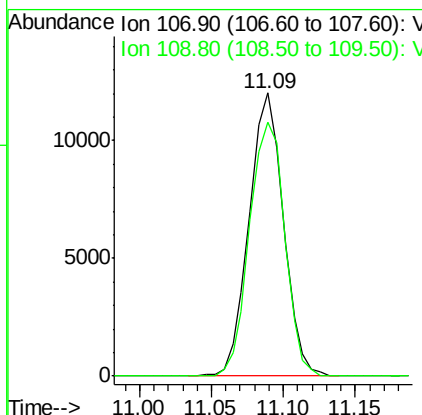
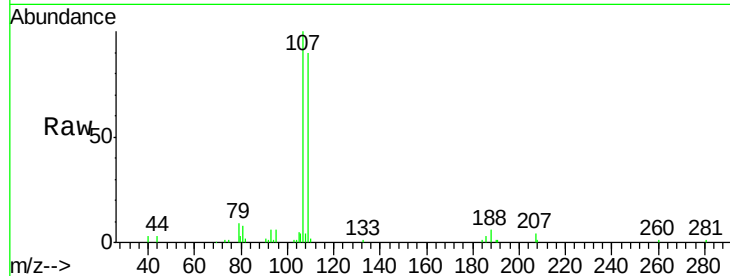
#61
 1,2-Dibromoethane
 Concen: 5.085 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 19847
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.8 113.8

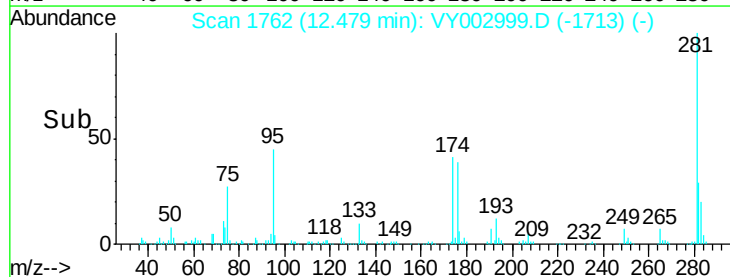
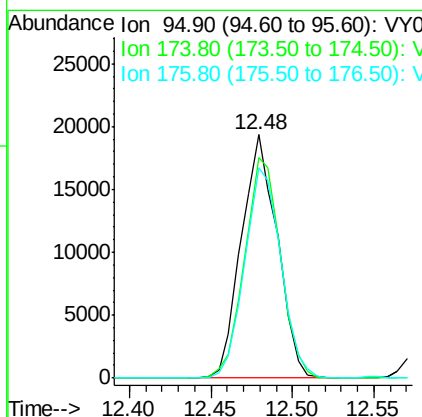
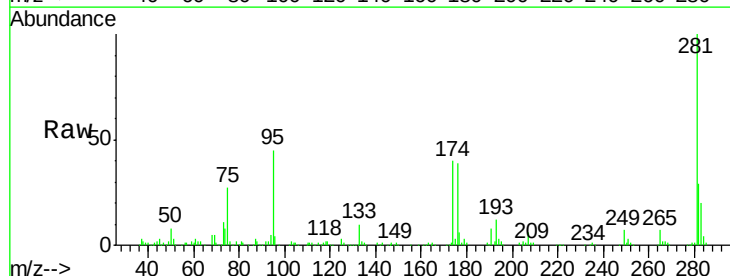
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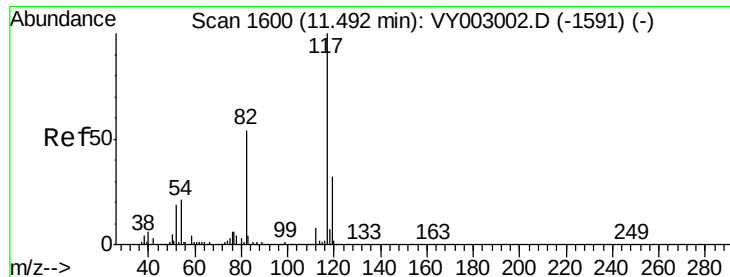
MMDadoda
 6/30/2020 12:54:01 PM



#62
 4-Bromofluorobenzene
 Concen: 5.046 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion: 95 Resp: 29682
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 184.8
 176 87.4 0.0 183.0





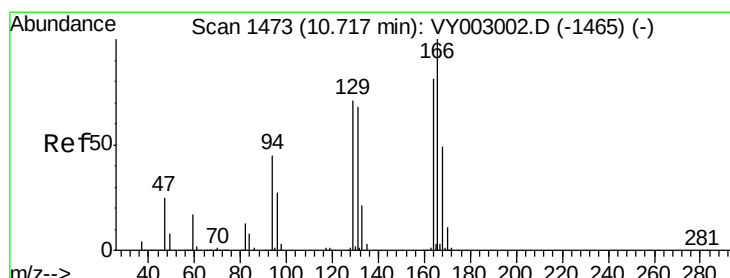
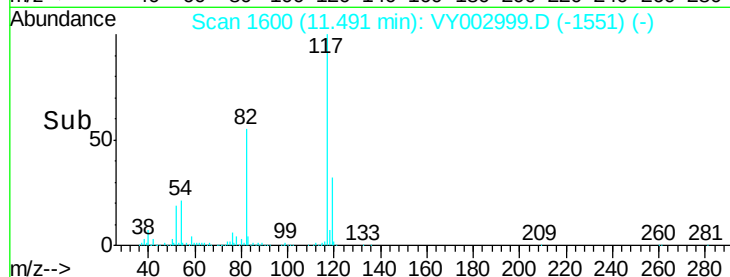
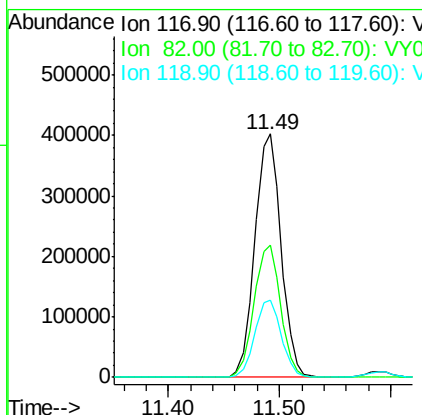
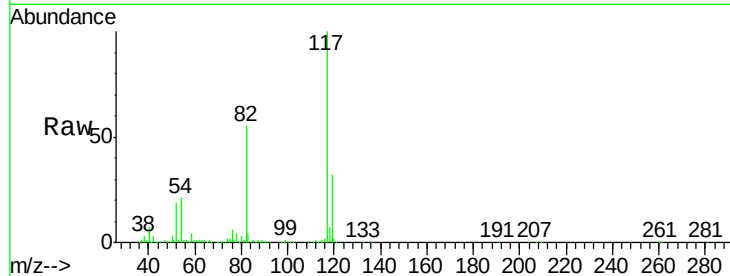
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.6
119	31.7	25.8	38.8

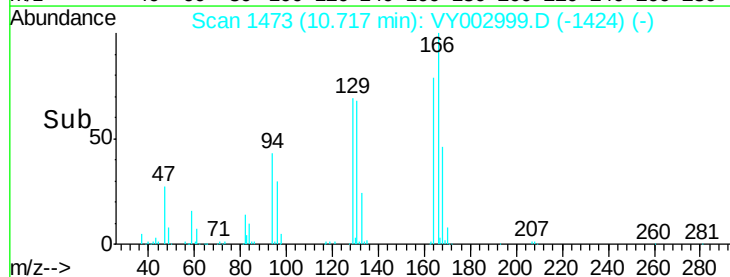
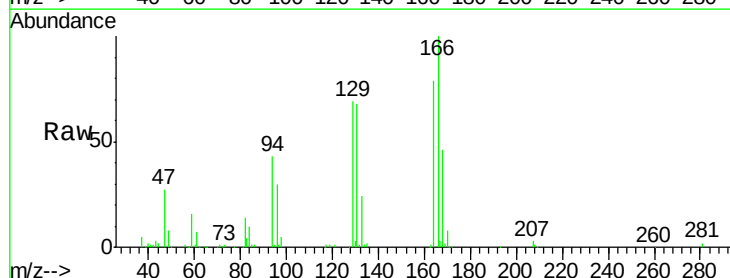
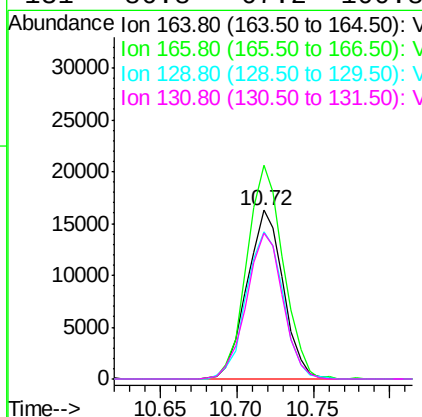
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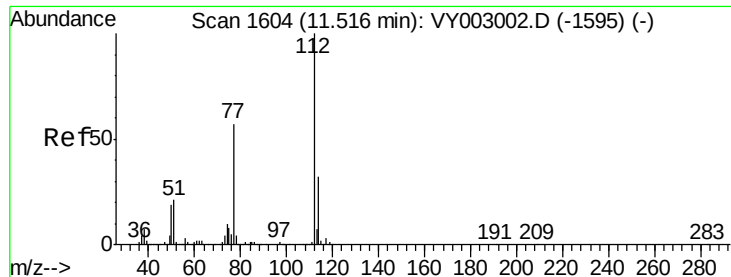
MMDadoda
6/30/2020 12:54:01 PM



#64
Tetrachloroethene
Concen: 4.842 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	98.5	147.7
129	87.6	69.7	104.5
131	86.8	67.2	100.8





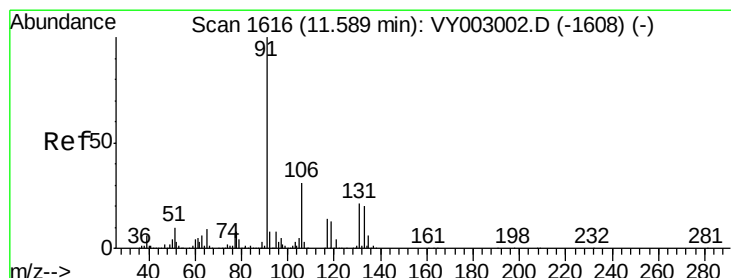
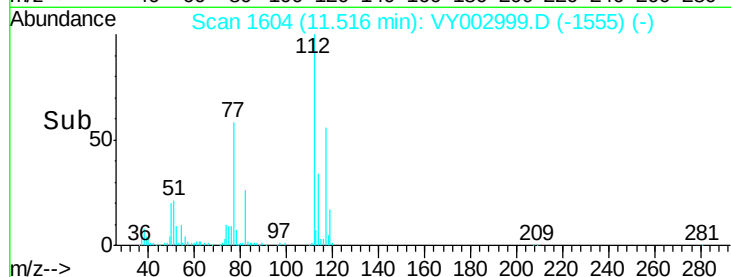
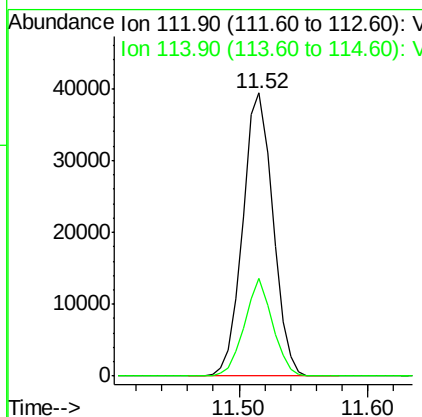
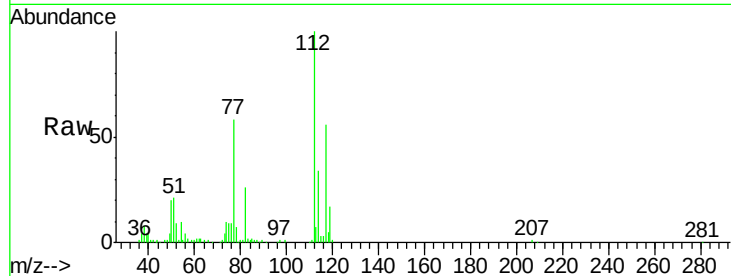
#65
Chlorobenzene
Concen: 4.887 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 63614
Ion Ratio Lower Upper
112 100
114 34.4 25.7 38.5

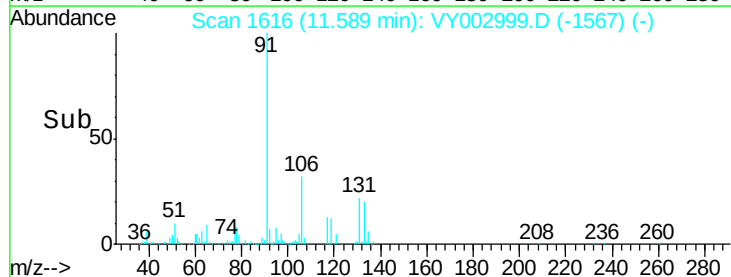
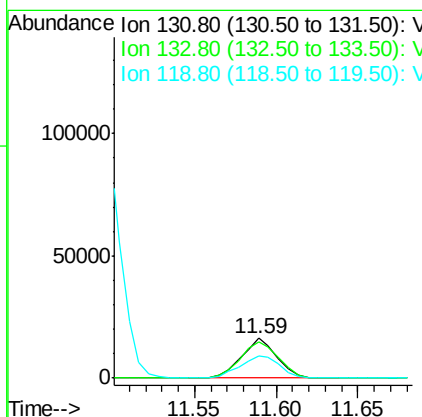
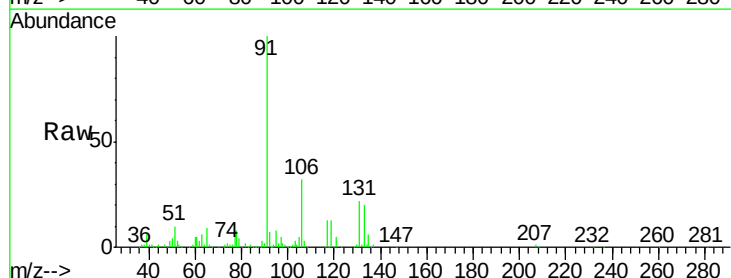
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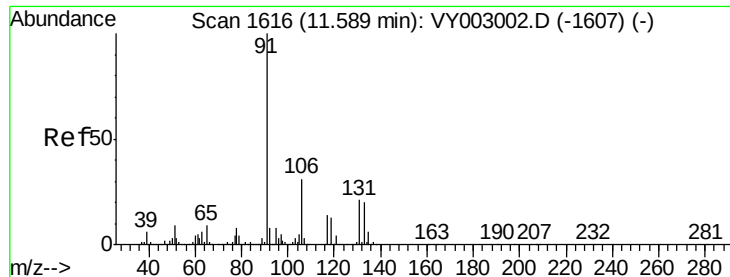
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.826 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion:131 Resp: 24528
Ion Ratio Lower Upper
131 100
133 99.8 47.9 143.8
119 62.7 31.8 95.3





#67

Ethyl Benzene

Concen: 4.823 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 114864

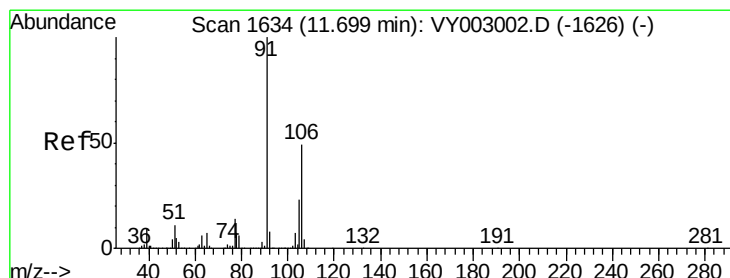
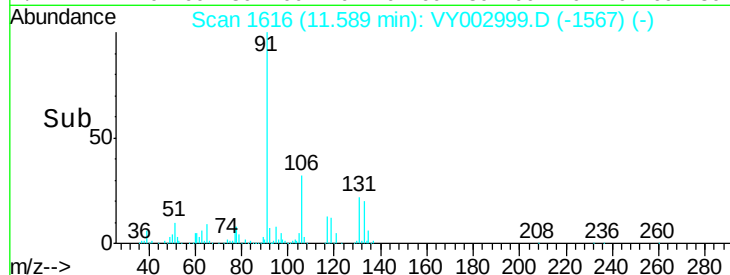
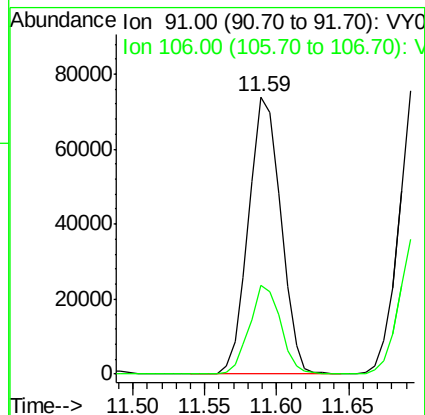
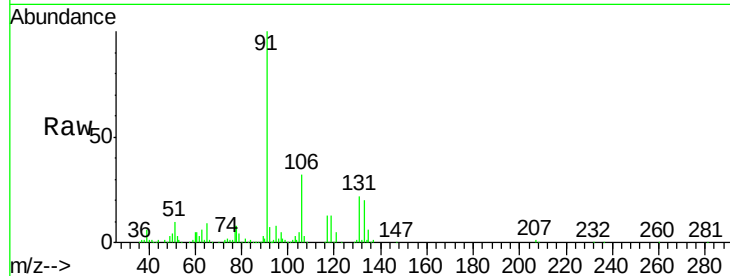
Ion Ratio Lower Upper

91 100

106 32.2 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 9.566 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY002999.D

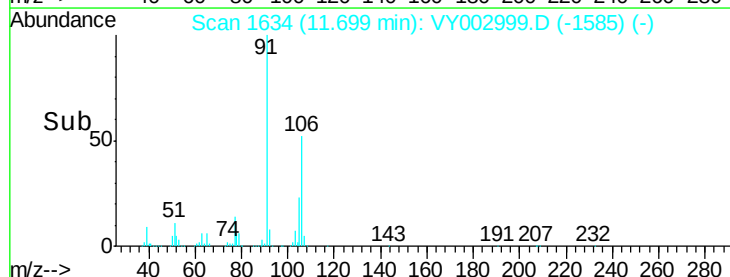
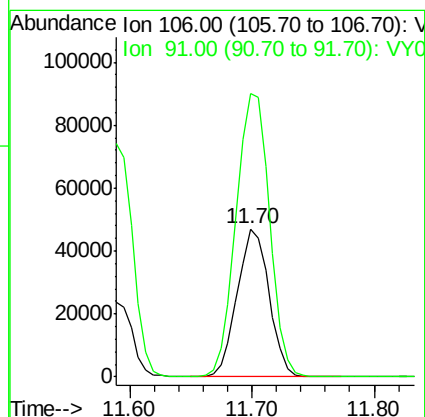
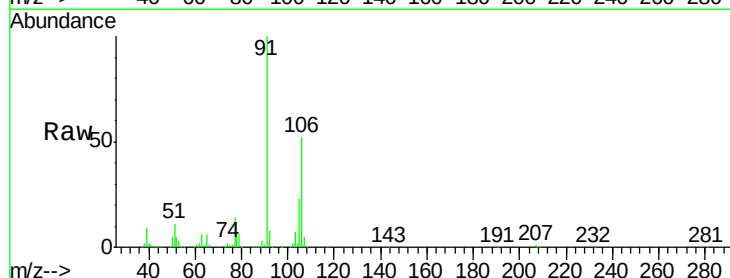
Acq: 29 Jun 2020 11:08

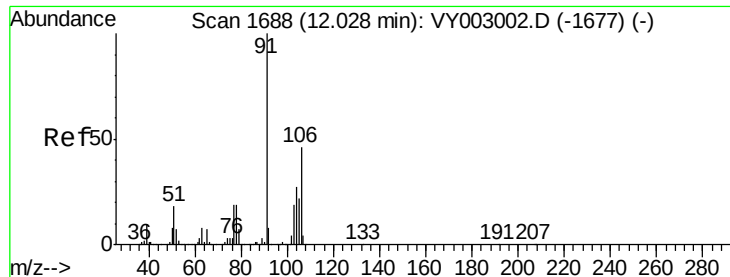
Tgt Ion: 106 Resp: 84786

Ion Ratio Lower Upper

106 100

91 201.8 161.9 242.9





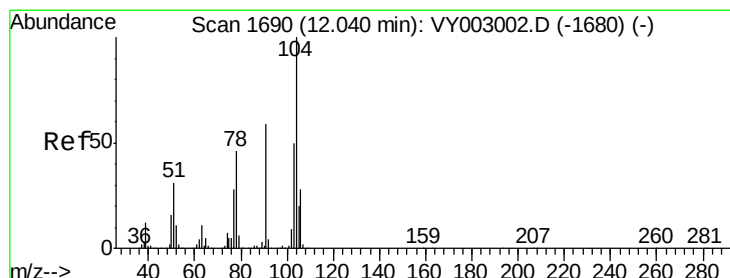
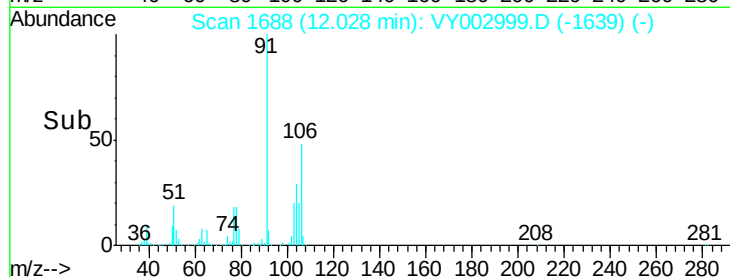
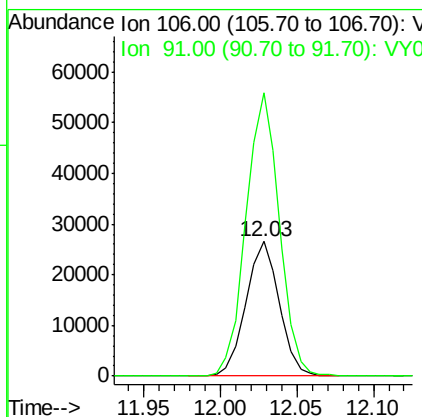
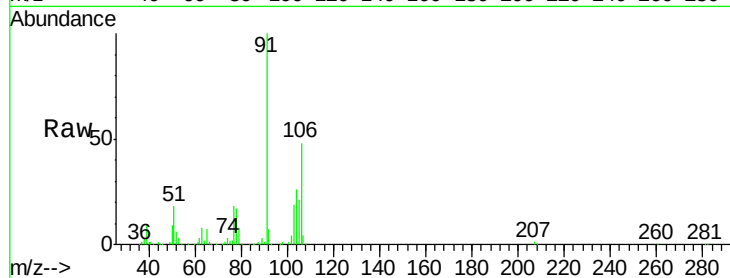
#69
o-Xylene
Concen: 4.820 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 40258
Ion Ratio Lower Upper
106 100
91 210.1 107.9 323.8

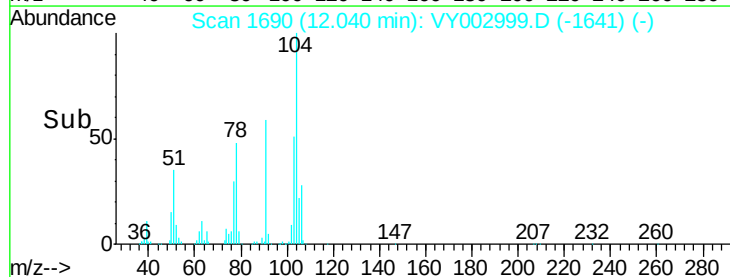
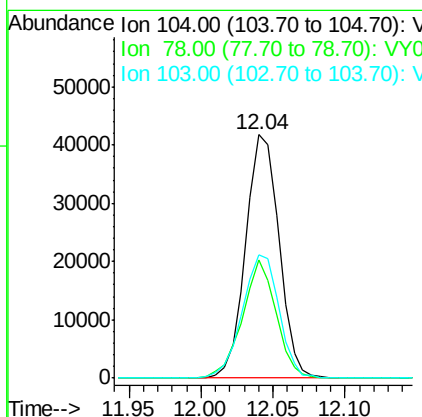
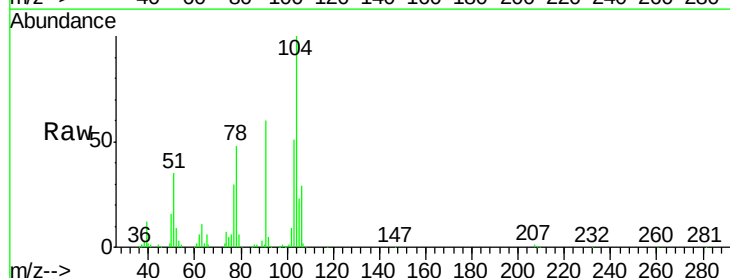
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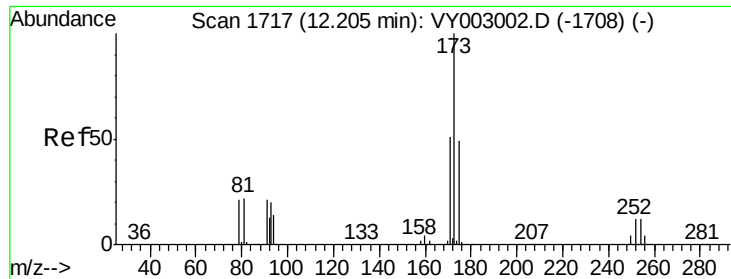
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#70
Styrene
Concen: 4.699 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion:104 Resp: 67043
Ion Ratio Lower Upper
104 100
78 49.0 40.4 60.6
103 55.6 44.1 66.1





#71

Bromoform

Concen: 4.845 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

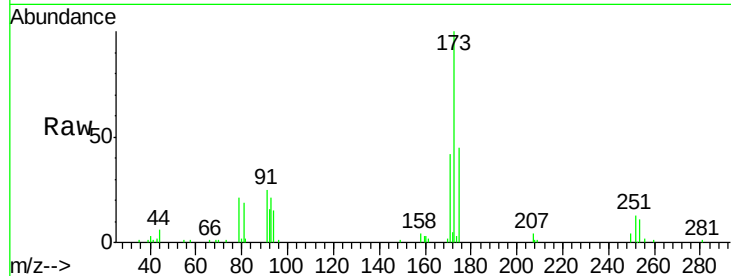
ClientSampled :

VSTDIC005

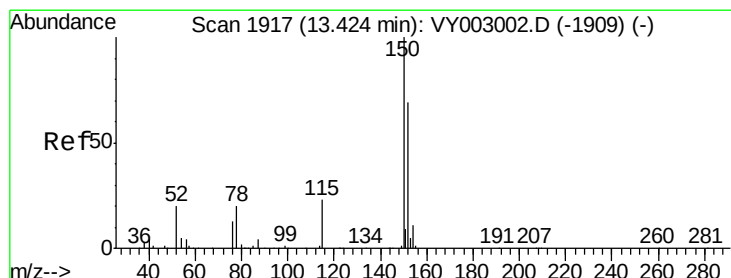
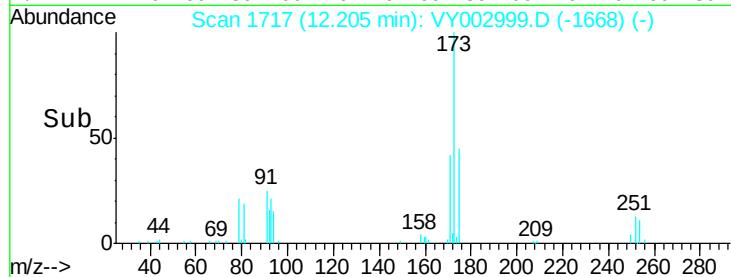
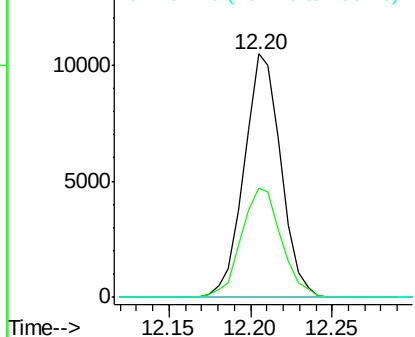
Tot Ion:	173	Resp:	16421
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.6	73.6
254	0.0	0.2	0.2#

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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

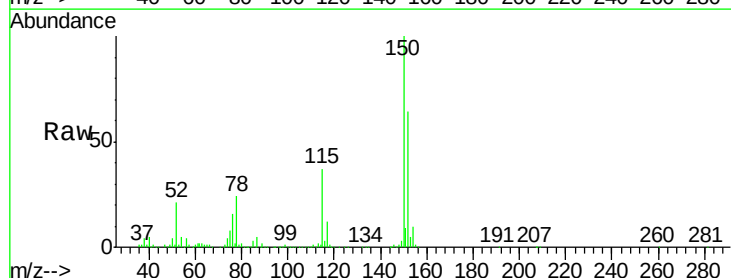
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

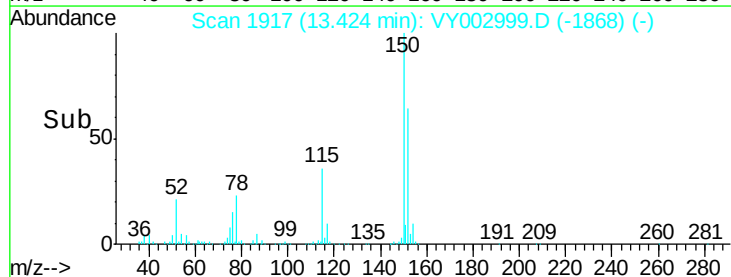
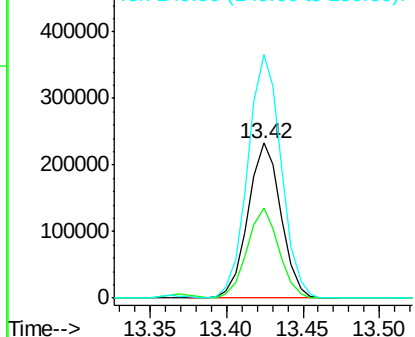
Lab File: VY002999.D

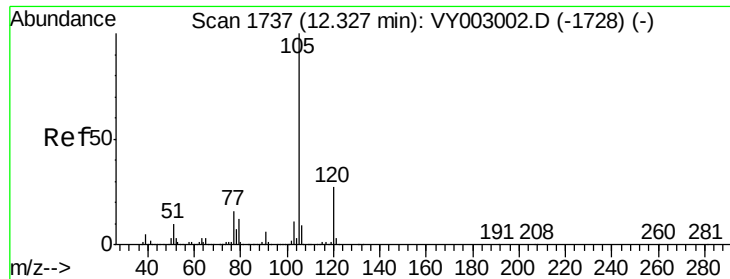
Acq: 29 Jun 2020 11:08

Tgt Ion:	152	Resp:	349235
Ion Ratio	Lower	Upper	
152	100		
115	55.8	27.3	81.9
150	159.0	0.0	343.4



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





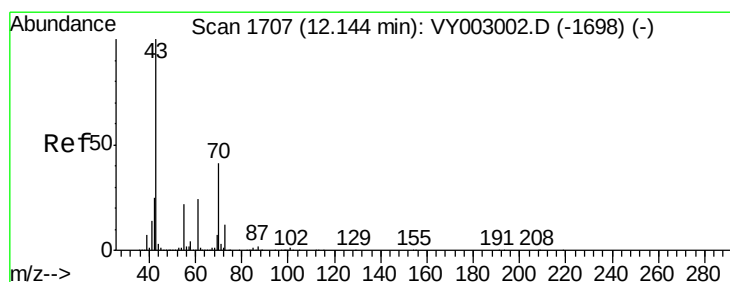
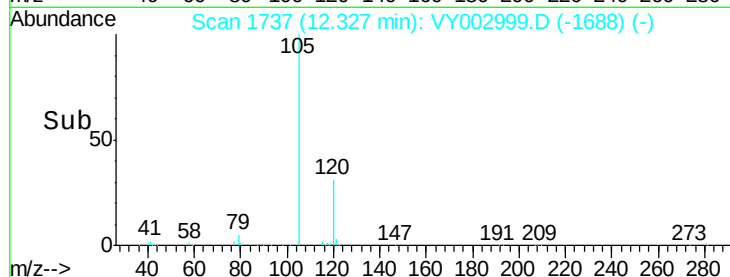
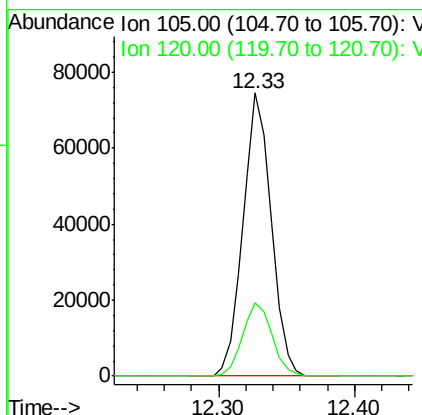
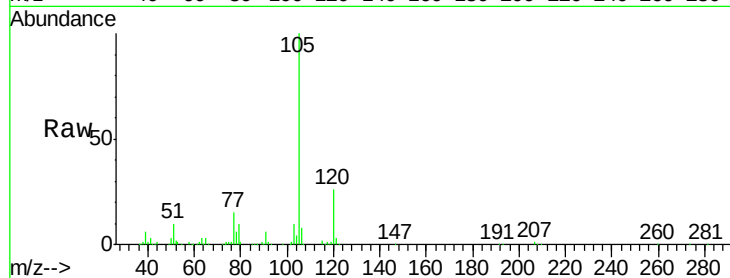
#73
Isopropylbenzene
Concen: 4.732 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1

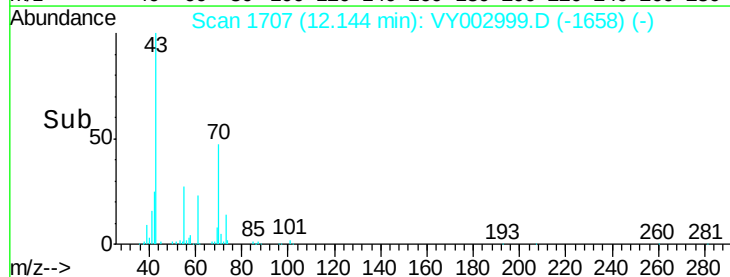
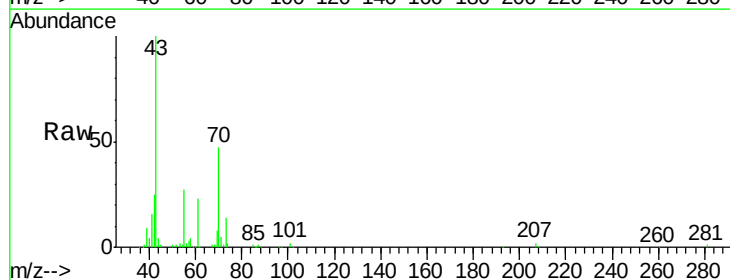
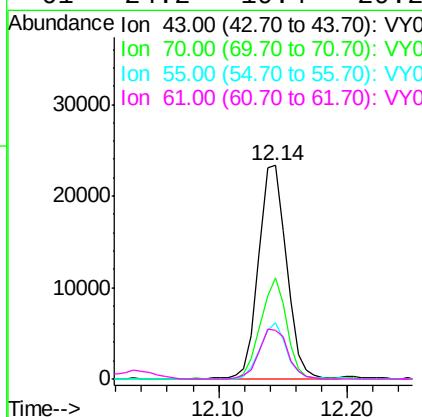
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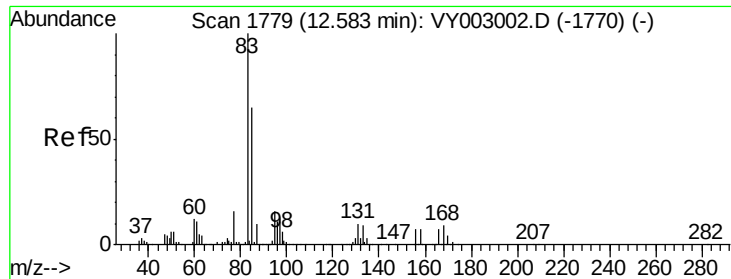
MMDadoda
6/30/2020 12:54:01 PM



#74
N-ethyl acetate
Concen: 4.719 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.8	33.0	49.4
55	24.8	18.2	27.2
61	24.2	19.4	29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.093 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

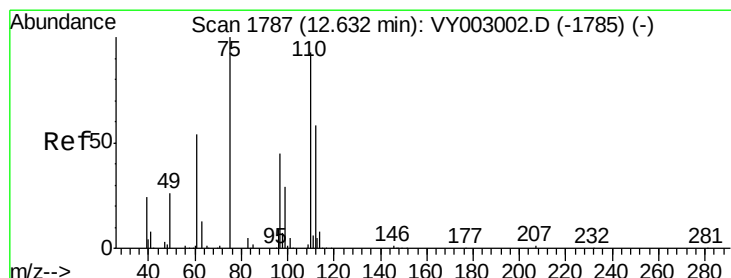
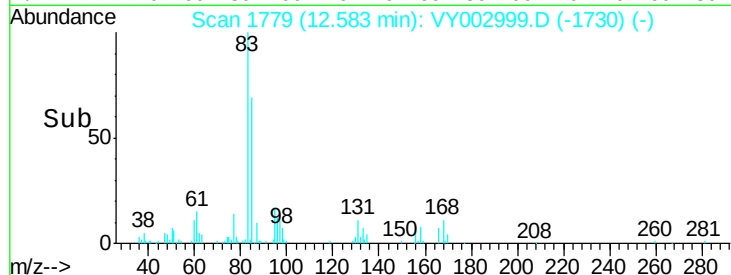
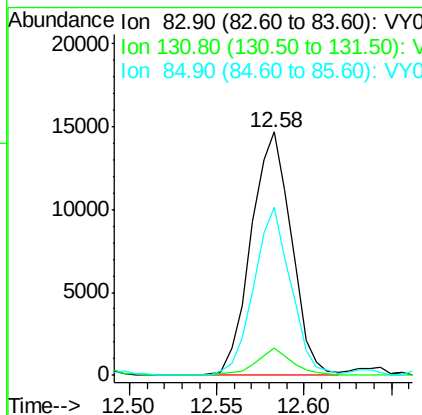
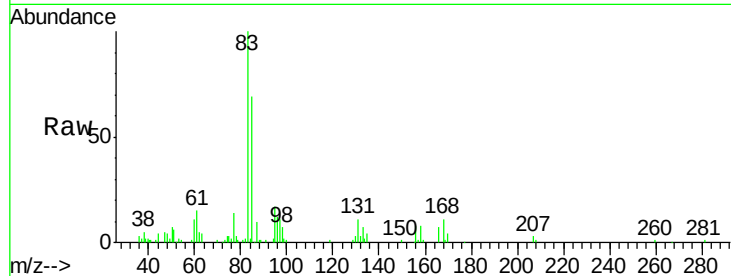
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23491
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	63.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 2.888 ug/l m

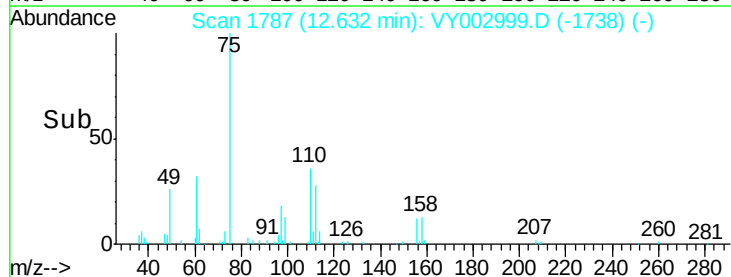
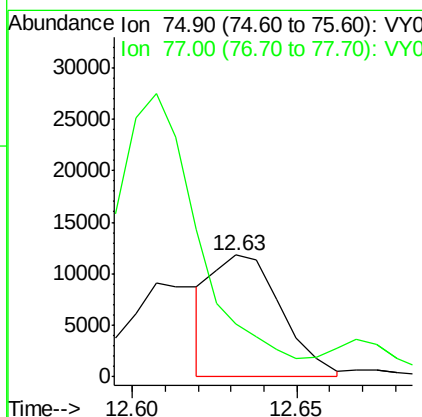
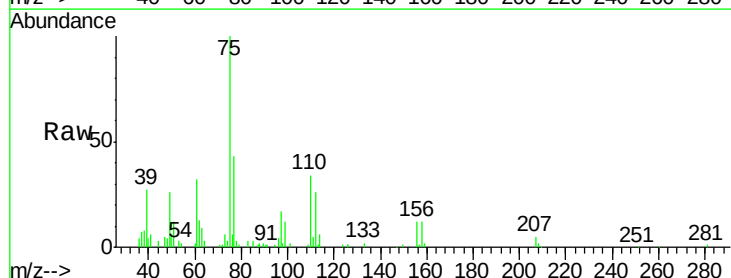
RT: 12.63 min Scan# 1787

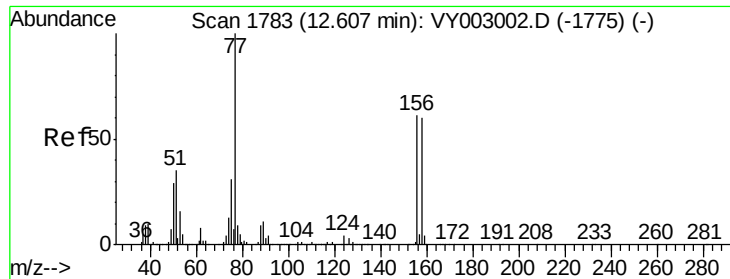
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	75	Resp:	17237
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.989 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

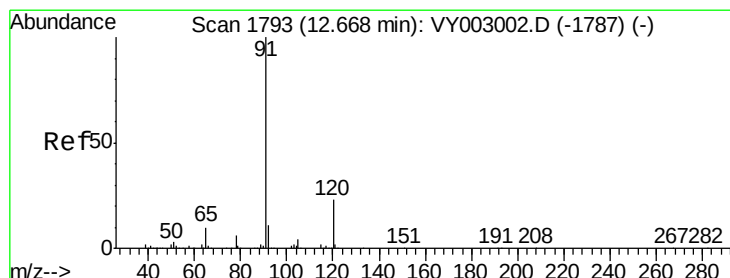
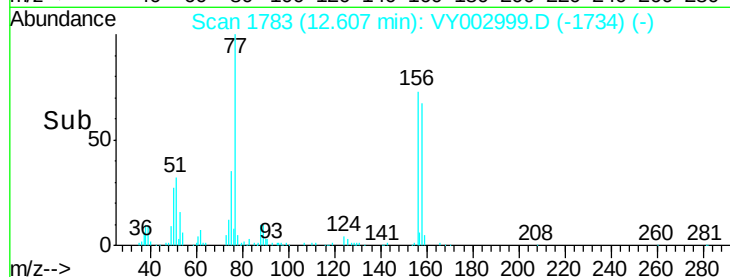
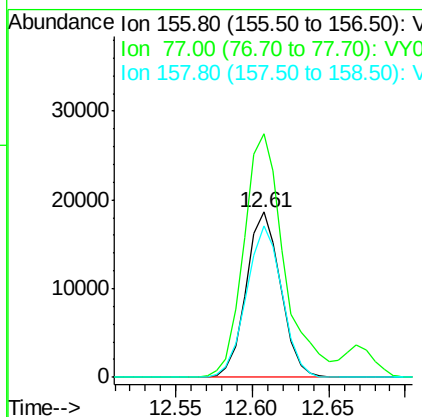
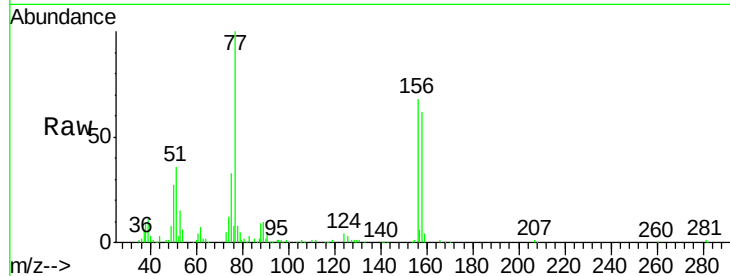
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	29236
Ion Ratio	Lower	Upper	
156	100		
77	171.9	90.0	270.0
158	94.5	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 4.734 ug/l

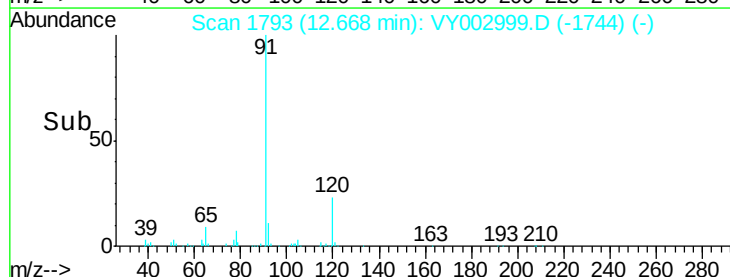
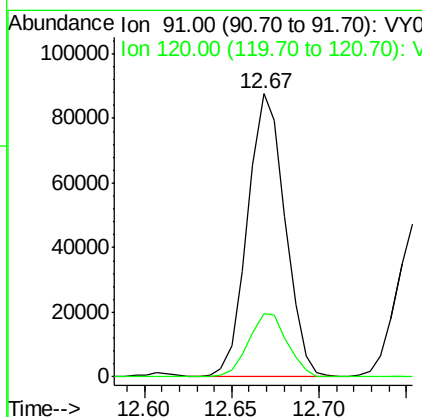
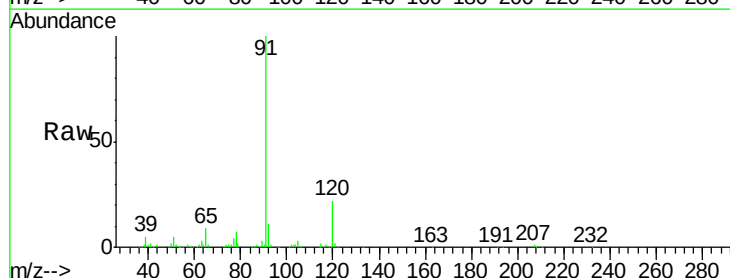
RT: 12.67 min Scan# 1793

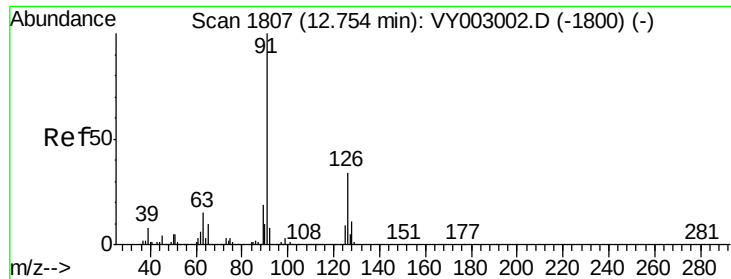
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	91	Resp:	130114
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 4.727 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 72529

Ion Ratio Lower Upper

91 100

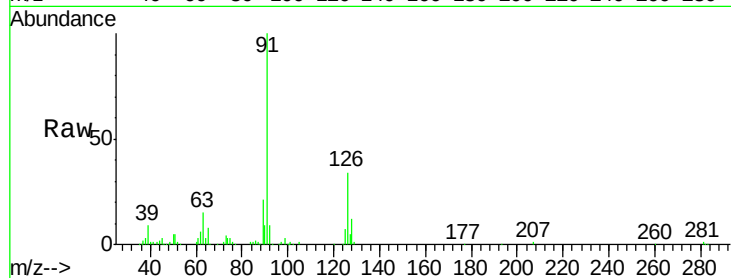
126 36.3 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003002.D (-1800) (-)

80000

60000

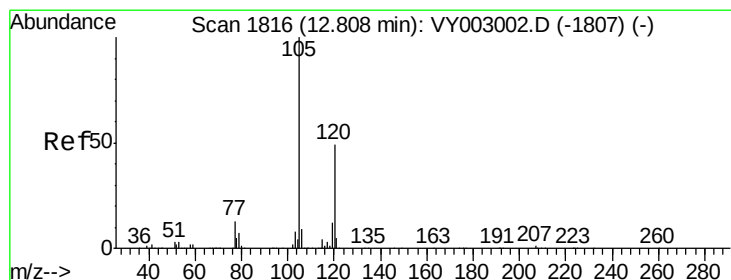
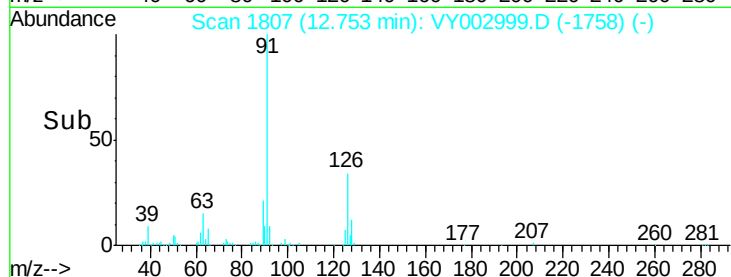
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.676 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY002999.D

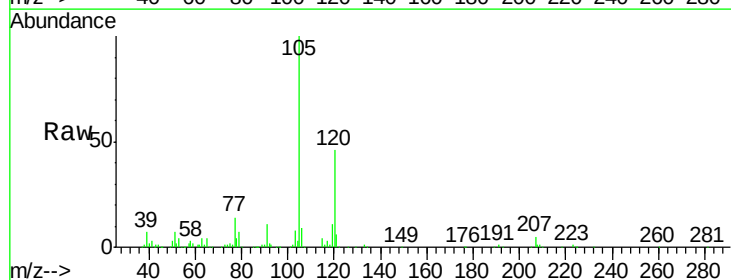
Acq: 29 Jun 2020 11:08

Tgt Ion: 105 Resp: 89677

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003002.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003002.D (-1807) (-)

60000

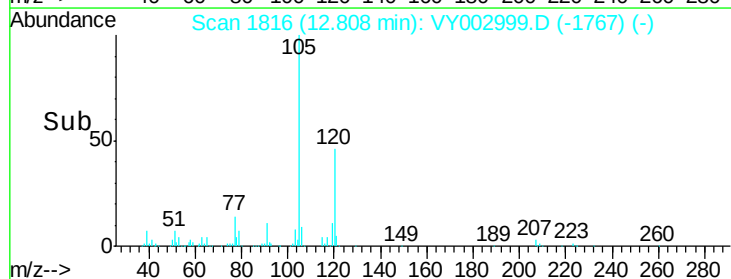
40000

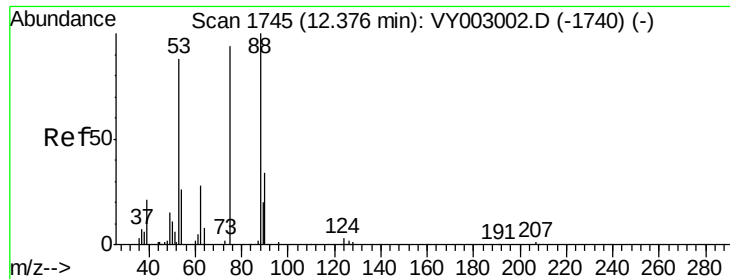
20000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.553 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

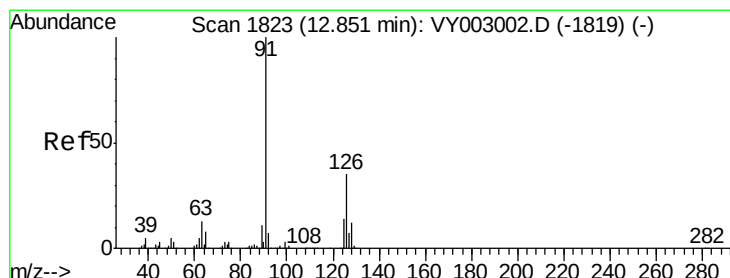
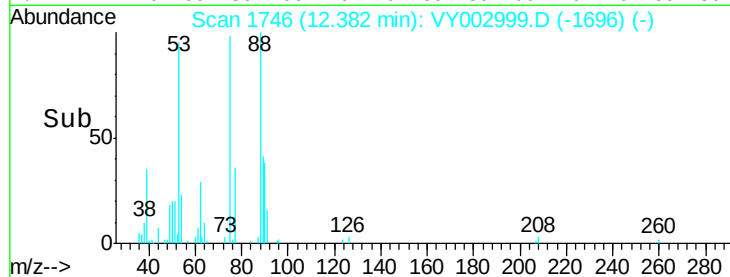
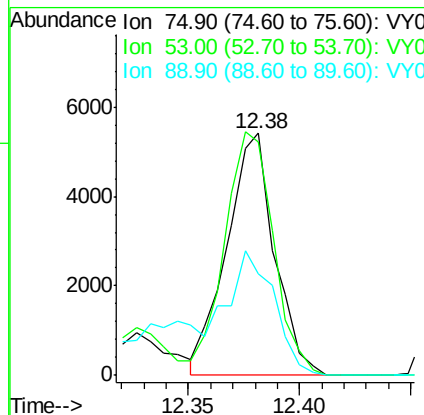
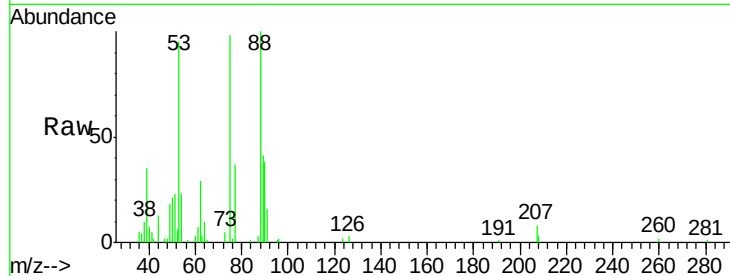
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	8089
Ion	Ratio	Lower	Upper
75	100		
53	103.9	73.9	110.9
89	51.6	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.694 ug/l

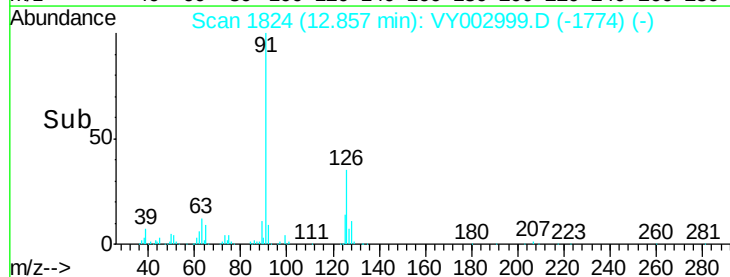
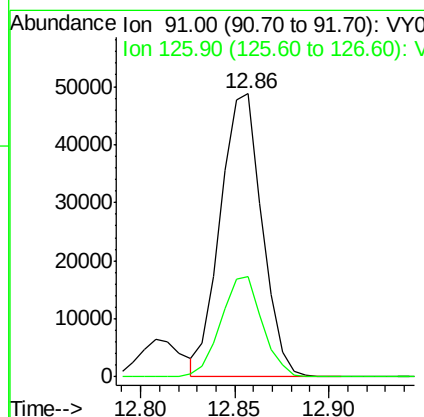
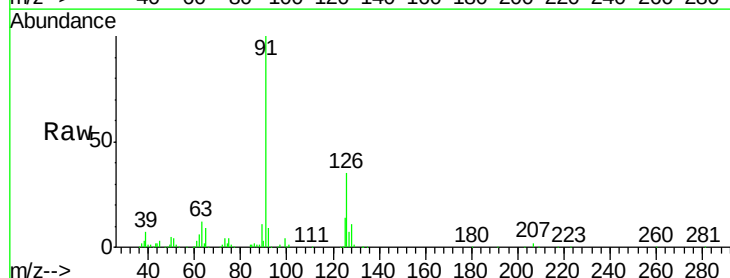
RT: 12.86 min Scan# 1824

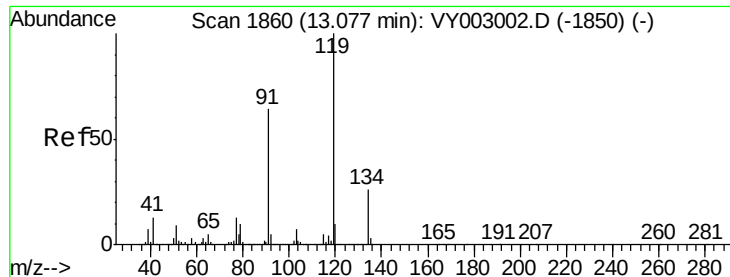
Delta R.T. 0.01 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	91	Resp:	74991
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





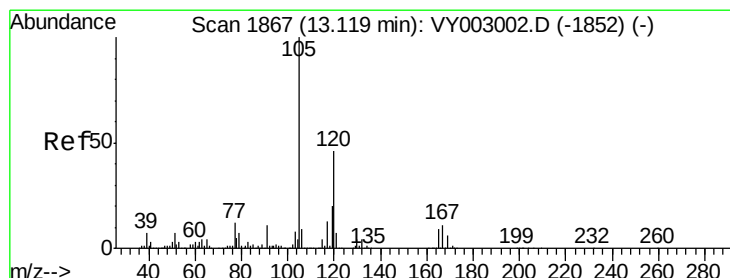
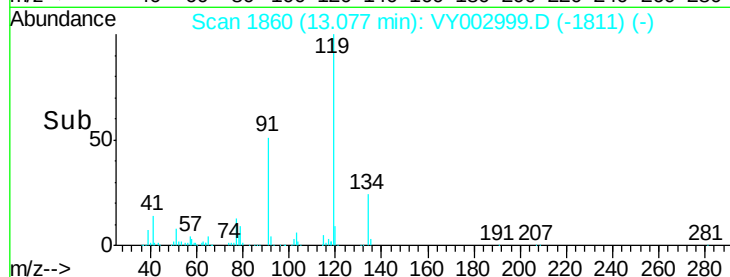
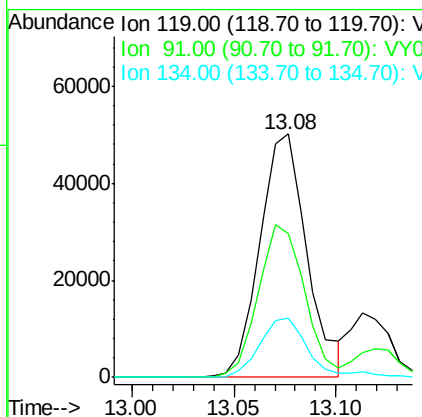
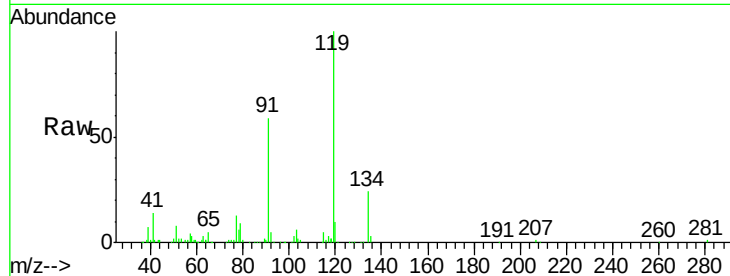
#83
 tert-Butylbenzene
 Concen: 4.784 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.6	95.0
134	25.5	13.2	39.5

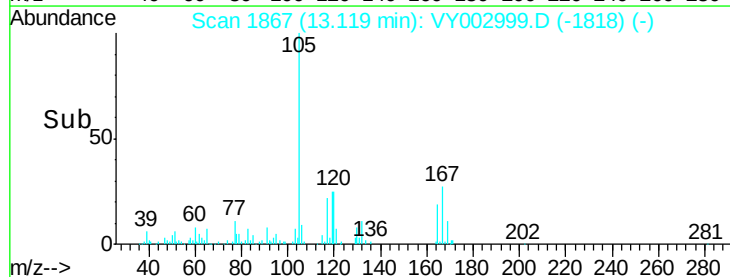
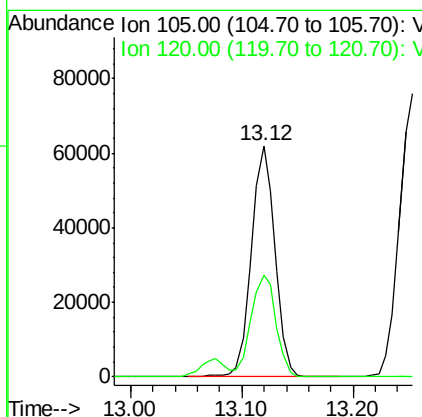
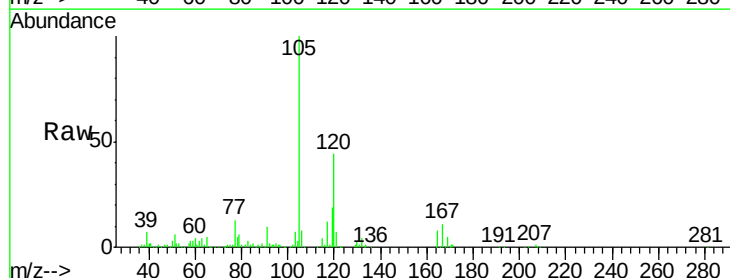
Manual Integrations
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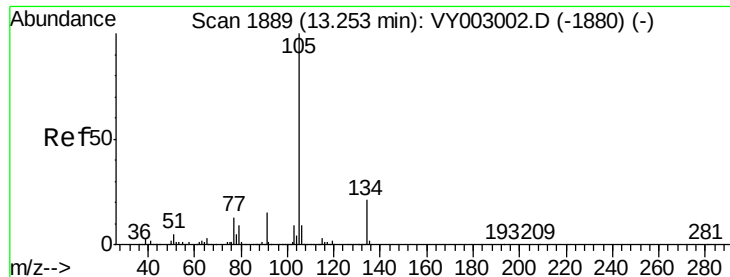
MMDadoda
 6/30/2020 12:54:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.741 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 4.790 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 111180

Ion Ratio Lower Upper

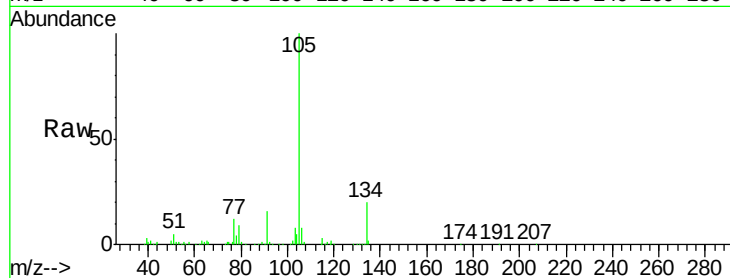
105 100

134 20.8 10.4 31.2

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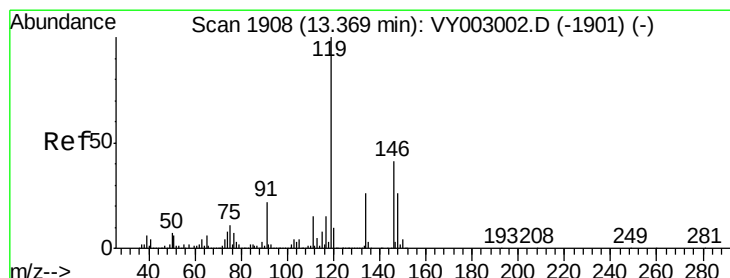
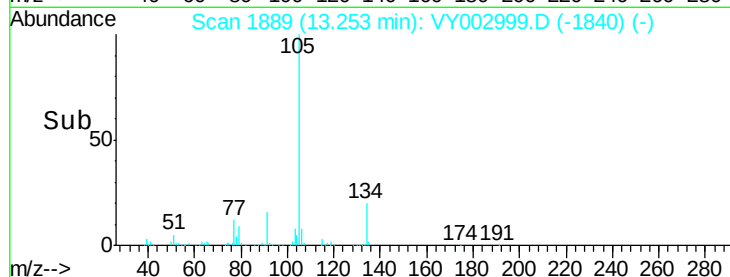
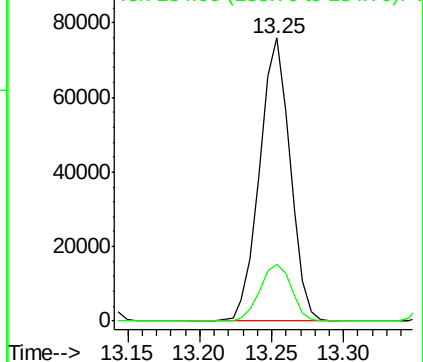
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.664 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

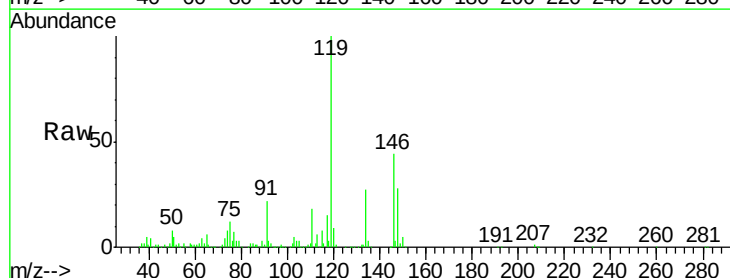
Tgt Ion:119 Resp: 100328

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

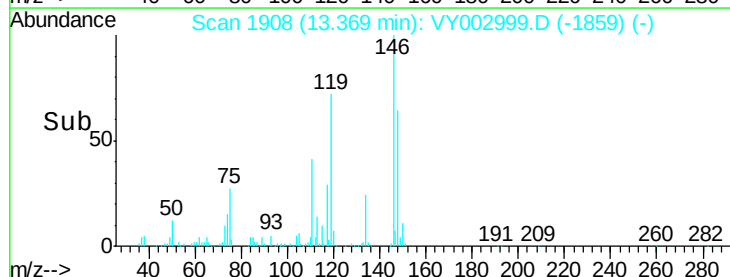
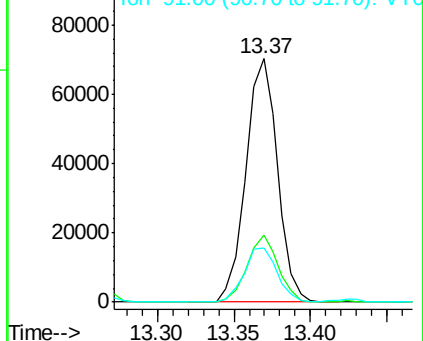
91 23.5 11.5 34.5

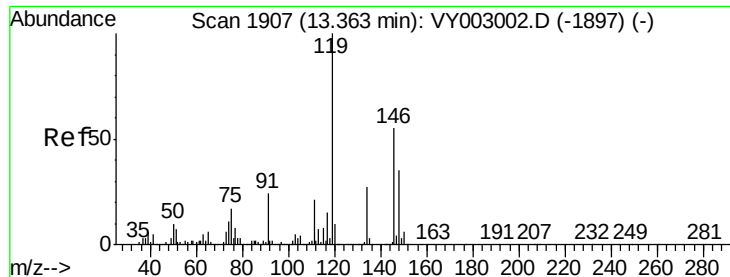


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 4.736 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

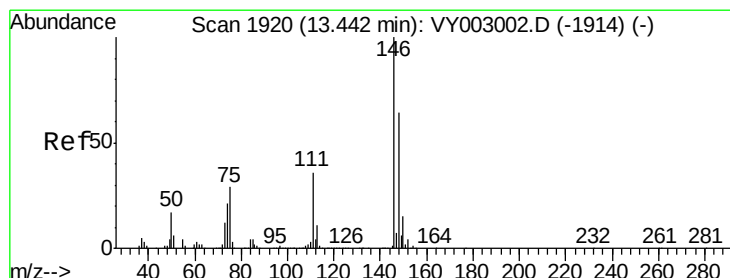
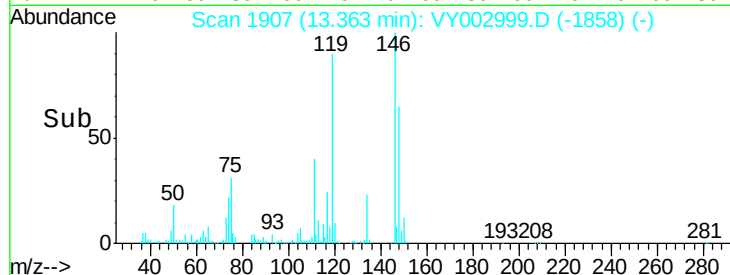
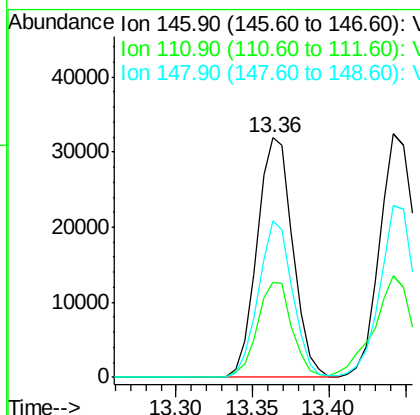
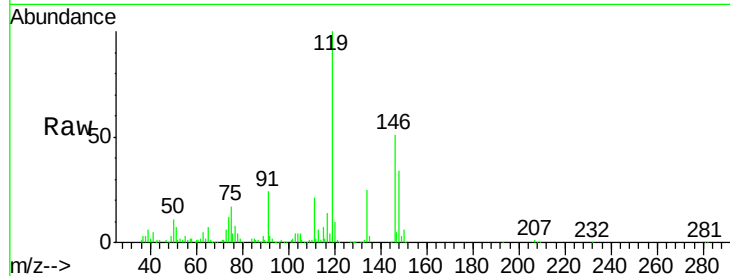
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	51818
Ion Ratio	Lower	Upper	
146	100		
111	38.8	18.8	56.3
148	62.5	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.792 ug/l

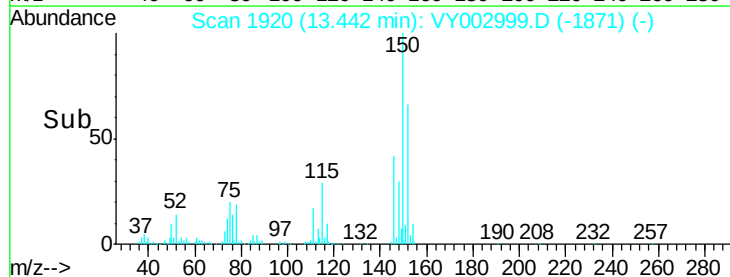
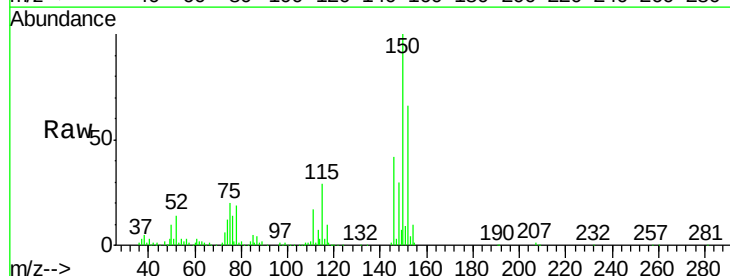
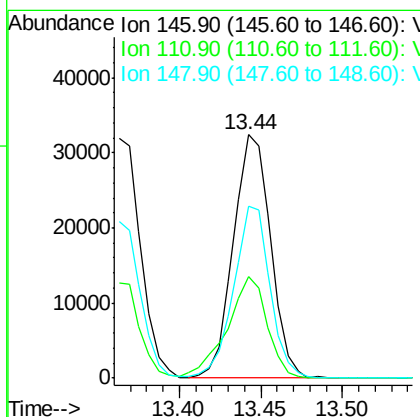
RT: 13.44 min Scan# 1920

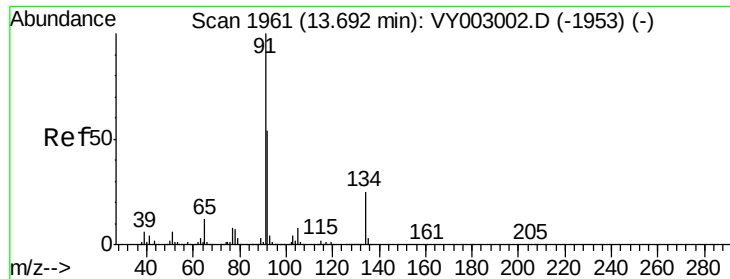
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	146	Resp:	51695
Ion Ratio	Lower	Upper	
146	100		
111	44.7	18.4	55.4
148	68.9	32.3	96.9





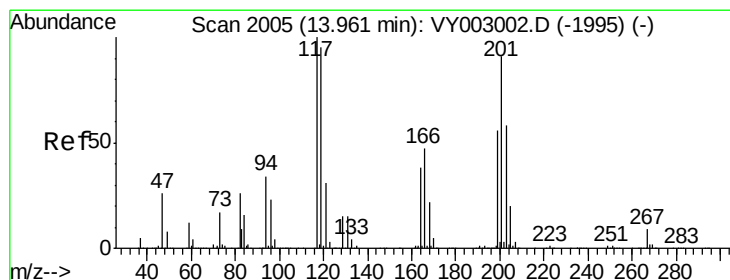
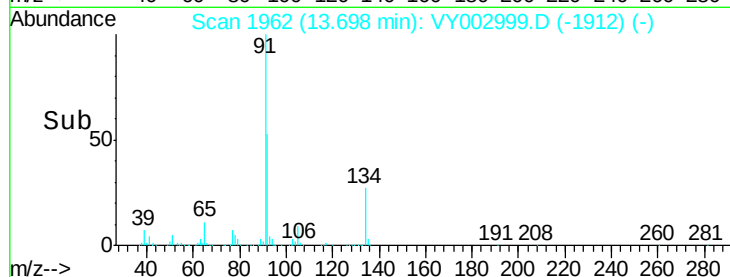
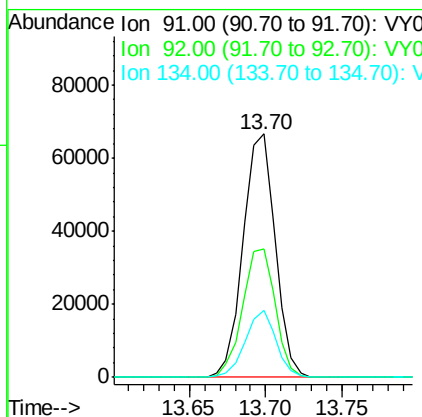
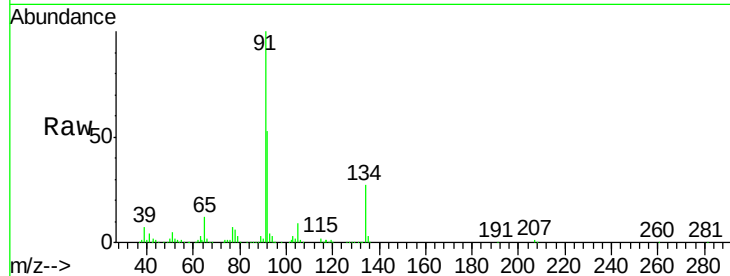
#89
n-Butylbenzene
Concen: 4.728 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	26.3	13.1	39.1

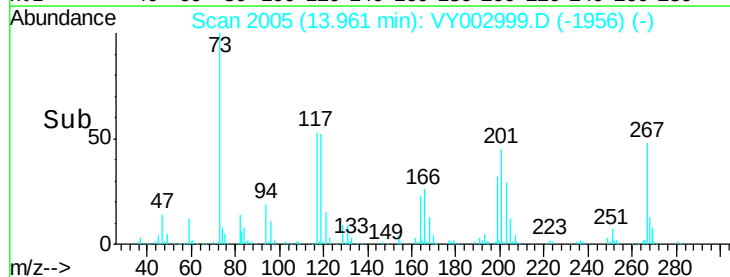
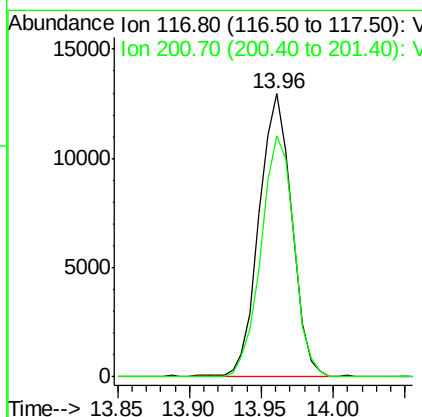
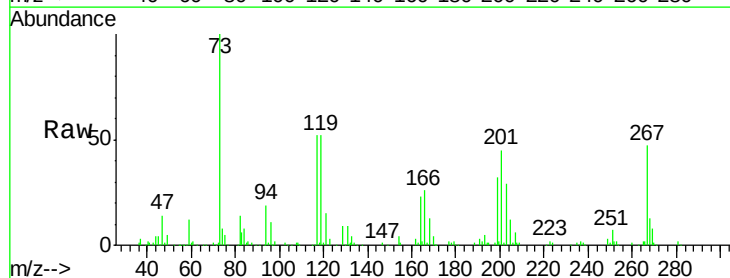
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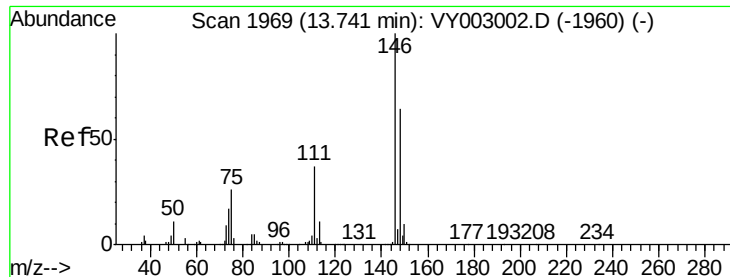
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#90
Hexachloroethane
Concen: 4.768 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 4.734 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Instrument :

MSVOA_Y

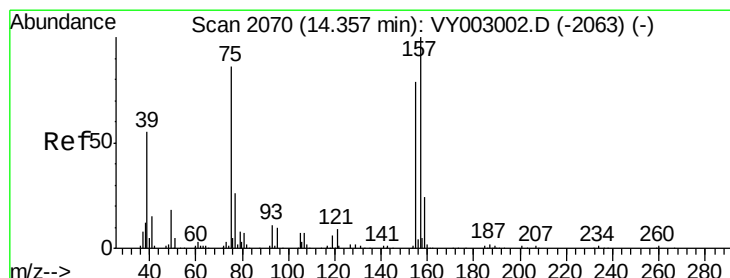
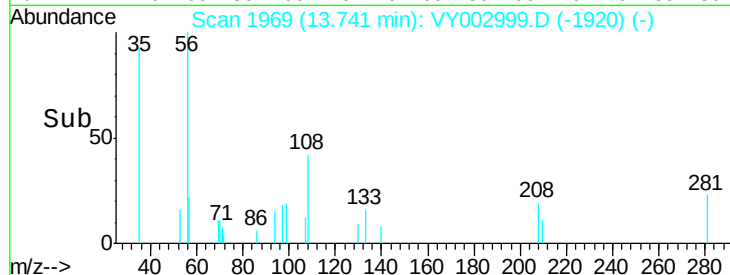
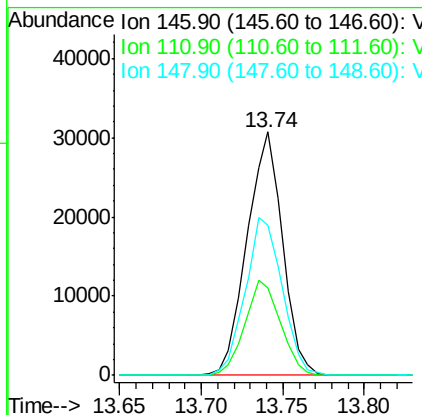
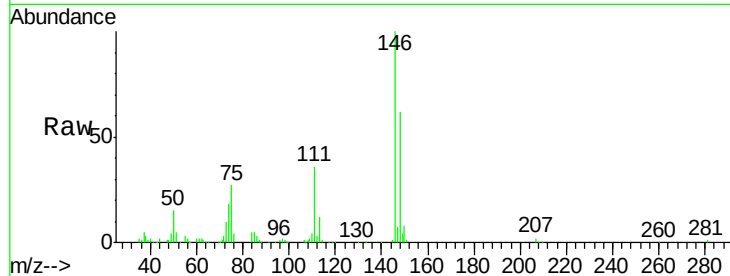
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	46468
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	67.7	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.070 ug/l

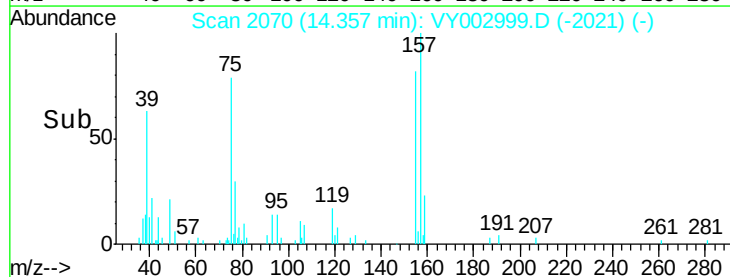
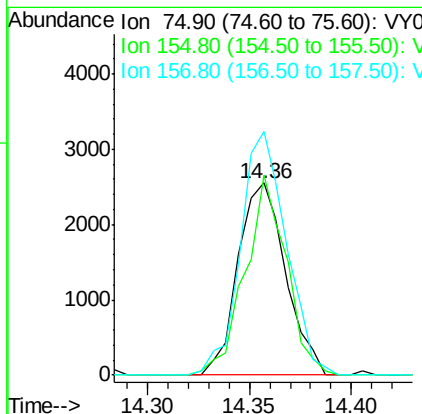
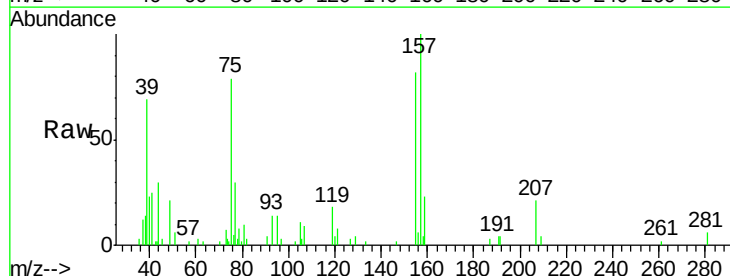
RT: 14.36 min Scan# 2070

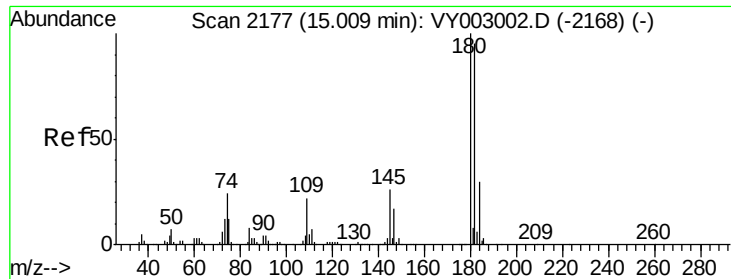
Delta R.T. -0.00 min

Lab File: VY002999.D

Acq: 29 Jun 2020 11:08

Tgt Ion:	75	Resp:	4140
Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.5	139.3
157	122.1	59.2	177.5





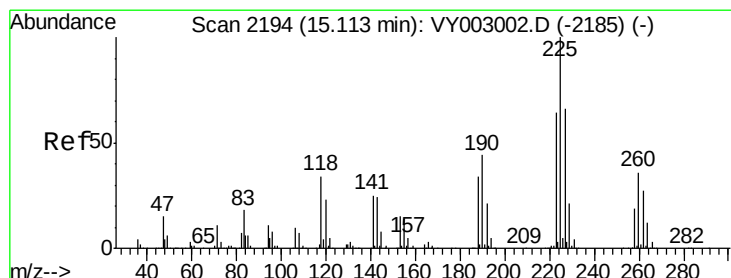
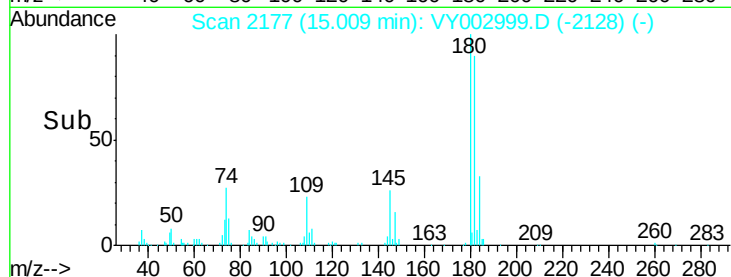
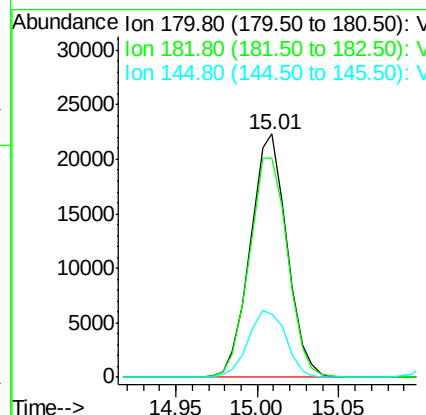
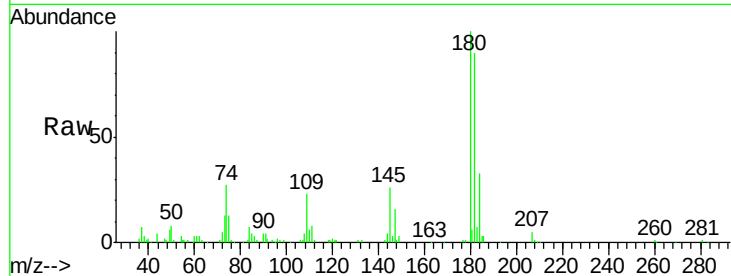
#93
 1,2,4-Trichlorobenzene
 Concen: 4.798 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34997		
182	94.5	48.1	144.3	
145	28.5	13.9	41.6	

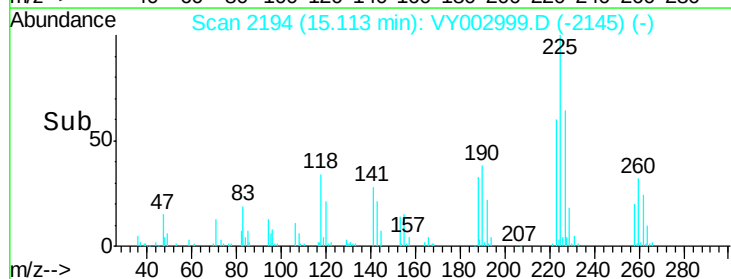
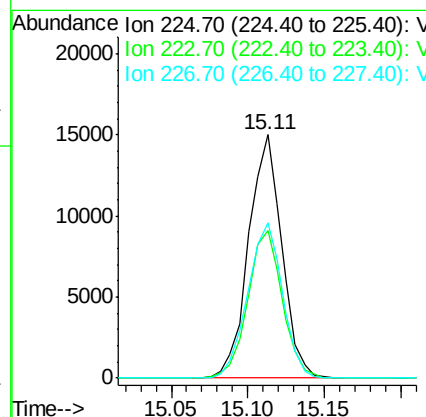
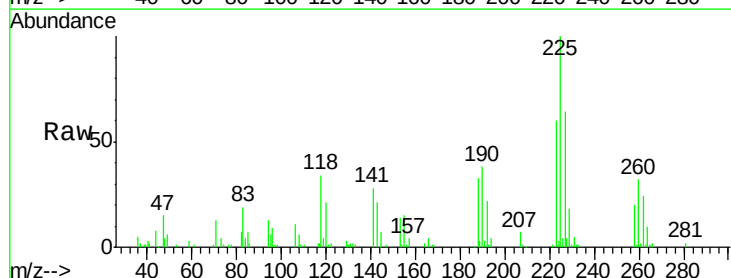
Manual Integrations
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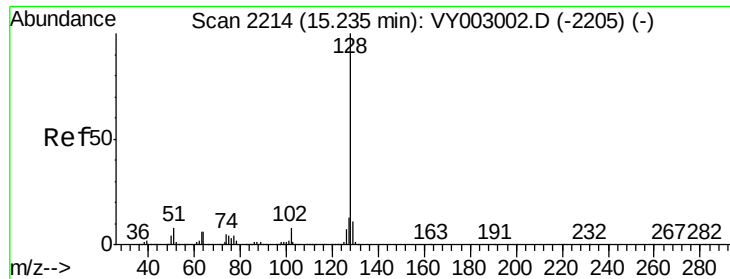
MMDadoda
 6/30/2020 12:54:01 PM



#94
 Hexachlorobutadiene
 Concen: 4.923 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002999.D
 Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22651		
223	62.9	32.4	97.0	
227	66.5	32.4	97.2	





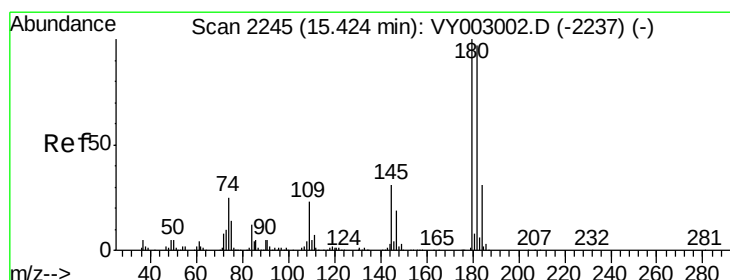
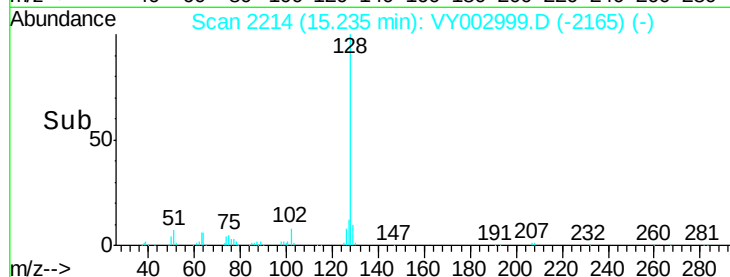
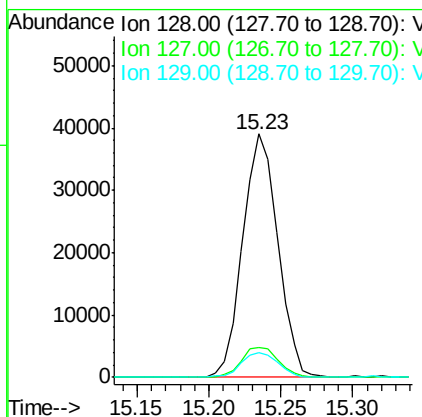
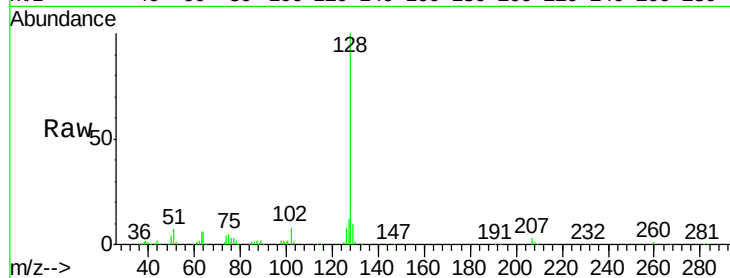
#95
Naphthalene
Concen: 4.939 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:54:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.860 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002999.D
Acq: 29 Jun 2020 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	28.9	14.7	44.1

