

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002427.D
 Acq On : 21 Apr 2020 11:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:44:20 AM

Quant Time: Apr 21 15:58:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	431841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	380891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	189356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	96590	46.95	ug/l	0.00
Spiked Amount						
			Recovery	=	93.90%	
35) Dibromofluoromethane	7.73	113	110737	48.75	ug/l	-0.01
Spiked Amount						
			Recovery	=	97.50%	
50) Toluene-d8	10.19	98	442981	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.49	95	145092	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	100508	52.002	ug/l	99
3) Chloromethane	2.12	50	115628	49.002	ug/l	99
4) Vinyl Chloride	2.26	62	127905	50.314	ug/l	97
5) Bromomethane	2.66	94	78740	47.765	ug/l	99
6) Chloroethane	2.80	64	68795	45.837	ug/l	100
7) Trichlorofluoromethane	3.13	101	190298	48.097	ug/l	100
8) Diethyl Ether	3.54	74	73528	47.086	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	125192	48.373	ug/l	100
10) Methyl Iodide	4.10	142	178481	51.143	ug/l	99
11) Tert butyl alcohol	4.97	59	55965	227.595	ug/l	100
12) 1,1-Dichloroethene	3.88	96	130128	48.442	ug/l	97
13) Acrolein	3.74	56	72050	298.151	ug/l	99
14) Allyl chloride	4.49	41	157234	47.592	ug/l	100
15) Acrylonitrile	5.18	53	167360	239.127	ug/l	99
16) Acetone	3.96	43	167307	304.285	ug/l	97
17) Carbon Disulfide	4.20	76	401401	49.041	ug/l	99
18) Methyl Acetate	4.49	43	73109	46.519	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	300141	47.574	ug/l	99
20) Methylene Chloride	4.72	84	139177	45.235	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	137930	47.447	ug/l	97
22) Diisopropyl ether	6.13	45	305257	46.084	ug/l	97
23) Vinyl Acetate	6.07	43	998084	239.218	ug/l	99
24) 1,1-Dichloroethane	6.03	63	197710	47.066	ug/l	99
25) 2-Butanone	7.00	43	203542	259.702	ug/l	100
26) 2,2-Dichloropropane	7.00	77	177085	48.157	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	149414	47.392	ug/l	100
28) Bromochloromethane	7.35	49	72017	44.993	ug/l	97
29) Tetrahydrofuran	7.36	42	119201	237.134	ug/l	99
30) Chloroform	7.52	83	202601	46.735	ug/l	97
31) Cyclohexane	7.79	56	195003	45.800	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	183421	47.906	ug/l	99
36) 1,1-Dichloropropene	7.93	75	167409	48.179	ug/l	99
37) Ethyl Acetate	7.09	43	78954	48.590	ug/l	99
38) Carbon Tetrachloride	7.91	117	169790	48.511	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	235332	49.054	ug/l	99
40) Benzene	8.17	78	509324	47.625	ug/l	98
41) Methacrylonitrile	7.34	41	51597m	59.624	ug/l	
42) 1,2-Dichloroethane	8.25	62	119064	47.253	ug/l	98
43) Isopropyl Acetate	8.28	43	146910	48.216	ug/l	100
44) Trichloroethene	8.95	130	172976	48.378	ug/l	98
45) 1,2-Dichloropropane	9.22	63	115108	47.121	ug/l	99
46) Dibromomethane	9.32	93	68701	48.187	ug/l	99
47) Bromodichloromethane	9.50	83	153878	47.572	ug/l	97
48) Methyl methacrylate	9.30	41	64609	47.489	ug/l	96
49) 1,4-Dioxane	9.31	88	19108	909.085	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	394355	249.189	ug/l	100
52) Toluene	10.25	92	320540	47.359	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	165182	47.747	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	200214	48.659	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	102257	47.819	ug/l	95
56) Ethyl methacrylate	10.52	69	136407	49.525	ug/l	99
57) 1,3-Dichloropropane	10.80	76	167770	47.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	338531	248.117	ug/l	100
59) 2-Hexanone	10.84	43	289499	257.748	ug/l	99
60) Dibromochloromethane	10.99	129	125366	48.674	ug/l	99
61) 1,2-Dibromoethane	11.10	107	101548	48.673	ug/l	98
64) Tetrachloroethene	10.72	164	193387	47.590	ug/l	99
65) Chlorobenzene	11.52	112	351925	48.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	125628	48.734	ug/l	99
67) Ethyl Benzene	11.60	91	614438	48.620	ug/l	100
68) m/p-Xylenes	11.70	106	476998	97.668	ug/l	100
69) o-Xylene	12.03	106	223128	48.493	ug/l	98
70) Styrene	12.05	104	382917	48.613	ug/l	99
71) Bromoform	12.21	173	79179	50.194	ug/l #	99
73) Isopropylbenzene	12.33	105	601064	48.367	ug/l	100
74) N-amyl acetate	12.15	43	133959	49.314	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	77367	50.568	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	78430m	47.015	ug/l	
77) Bromobenzene	12.61	156	148984	47.587	ug/l	99
78) n-propylbenzene	12.67	91	702453	47.853	ug/l	100
79) 2-Chlorotoluene	12.76	91	381614	47.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	492655	48.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	42409	49.546	ug/l	99
82) 4-Chlorotoluene	12.86	91	397921	47.237	ug/l #	100
83) tert-Butylbenzene	13.08	119	428497	48.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	490531	47.787	ug/l	99
85) sec-Butylbenzene	13.26	105	607468	47.993	ug/l	99
86) p-Isopropyltoluene	13.38	119	553944	48.253	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	278526	47.827	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	278602	47.265	ug/l	100
89) n-Butylbenzene	13.70	91	518793	48.471	ug/l	99
90) Hexachloroethane	13.97	117	103378	48.031	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	253214	47.500	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16538	47.355	ug/l	98

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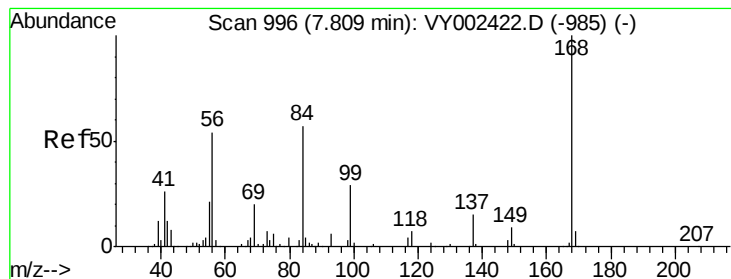
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	178685	46.793	ug/l	99
94) Hexachlorobutadiene	15.12	225	96959	46.302	ug/l	100
95) Naphthalene	15.25	128	352536	47.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	152136	45.895	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

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VSTDCCC050

Tot Ion:168 Resp: 282894

Ion Ratio Lower Upper

168 100

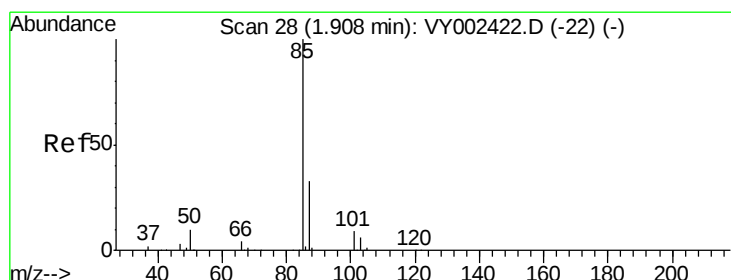
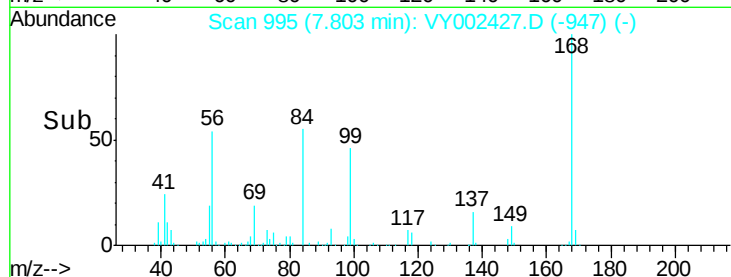
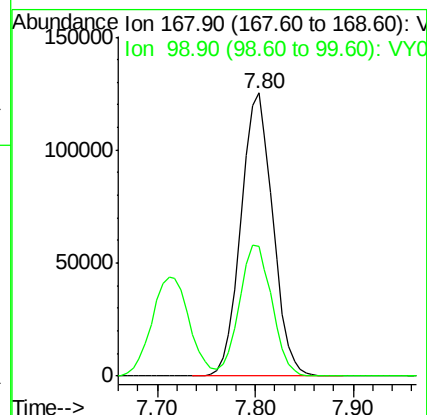
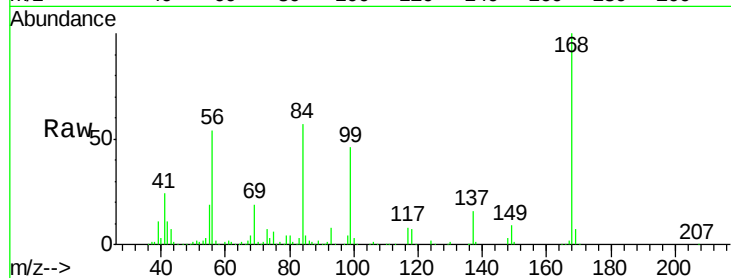
99 45.9 37.0 55.4

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#2

Dichlorodifluoromethane

Concen: 52.002 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002427.D

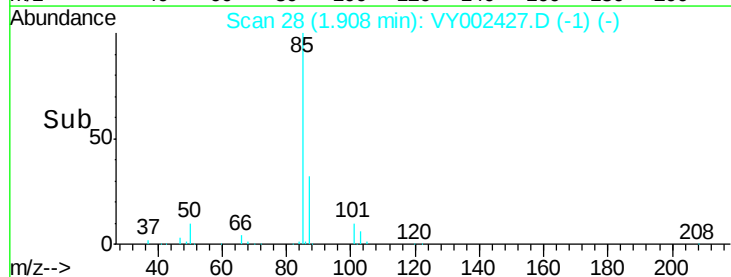
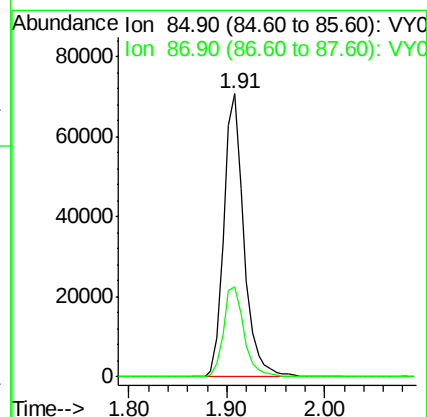
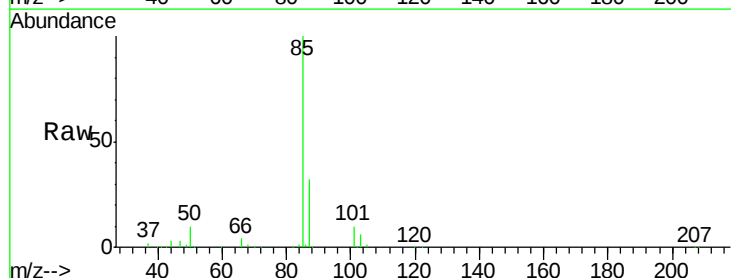
Acq: 21 Apr 2020 11:28

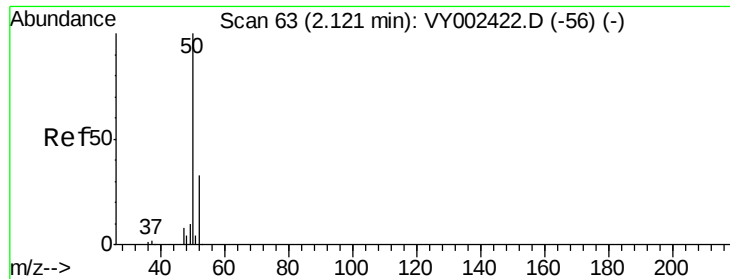
Tgt Ion: 85 Resp: 100508

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1





#3

Chloromethane

Concen: 49.002 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 115628

Ion Ratio Lower Upper

50 100

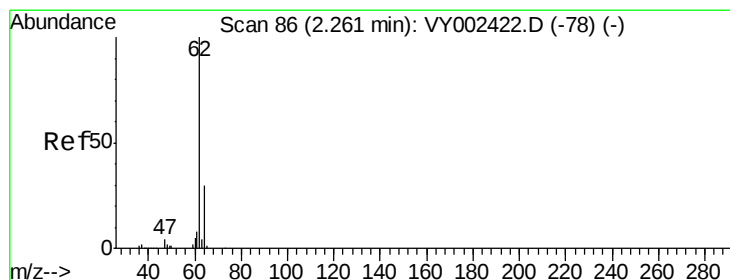
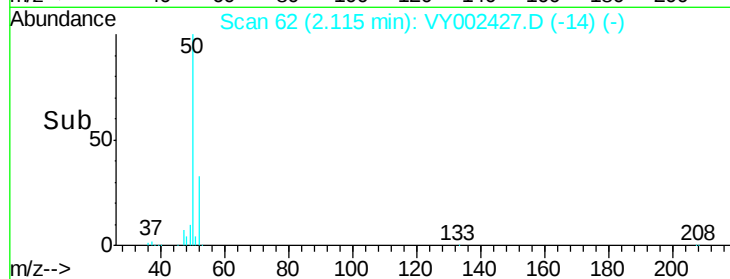
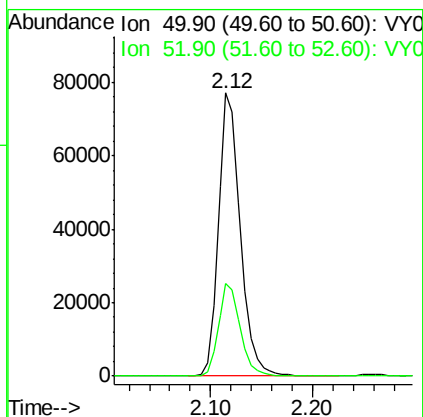
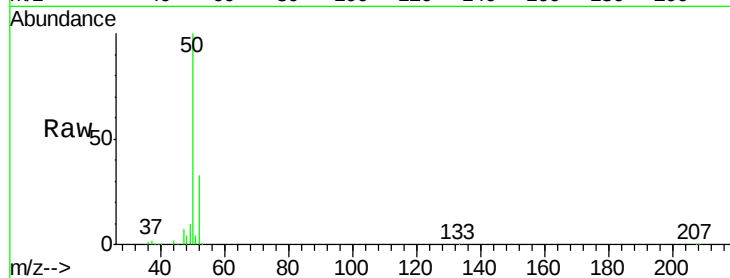
52 32.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.314 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002427.D

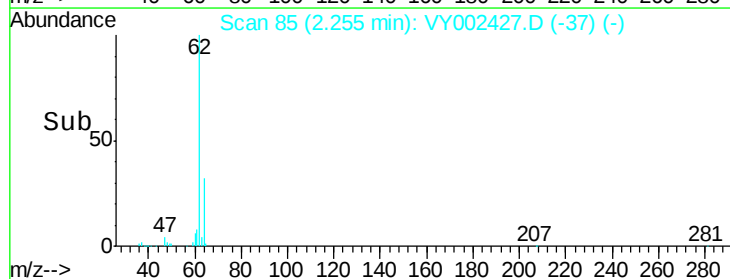
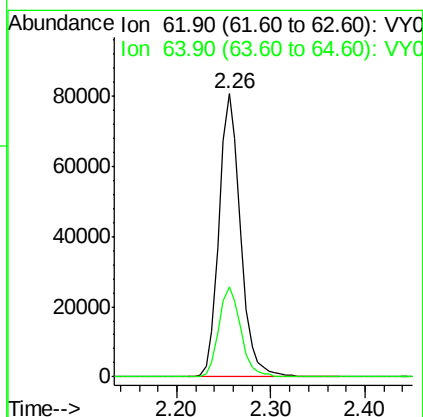
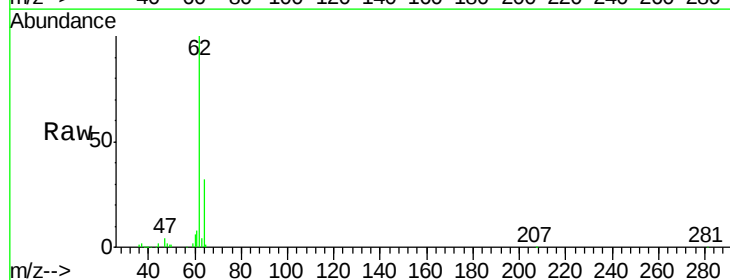
Acq: 21 Apr 2020 11:28

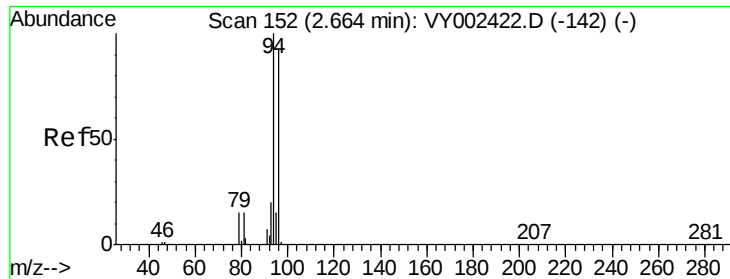
Tgt Ion: 62 Resp: 127905

Ion Ratio Lower Upper

62 100

64 31.9 24.1 36.1





#5

Bromomethane

Concen: 47.765 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

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Tot Ion: 94 Resp: 78740

Ion Ratio Lower Upper

94 100

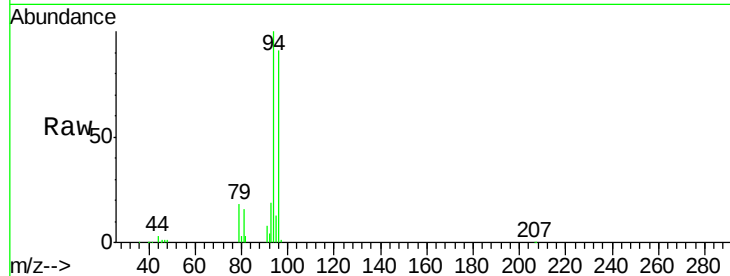
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Manual Integrations

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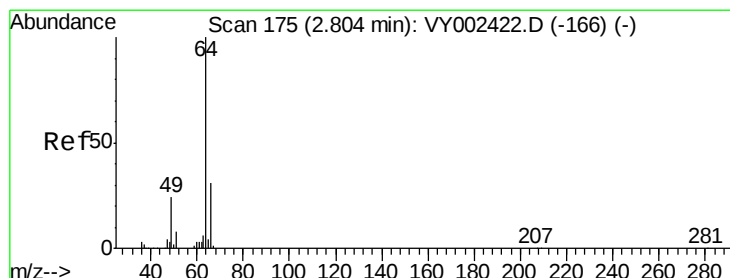
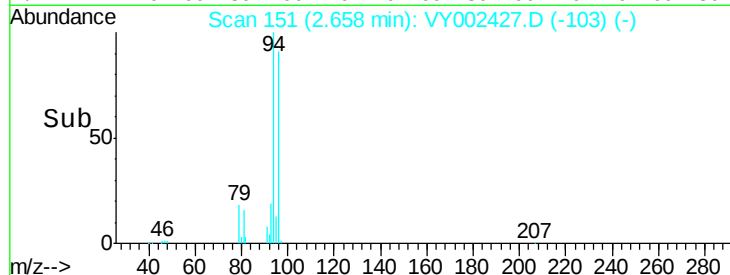
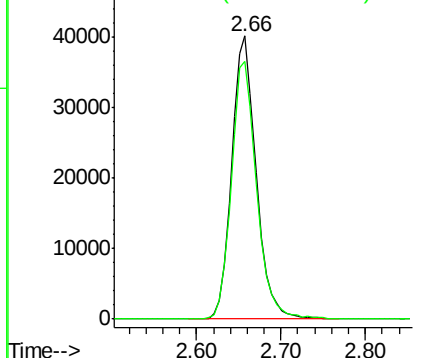
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.837 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002427.D

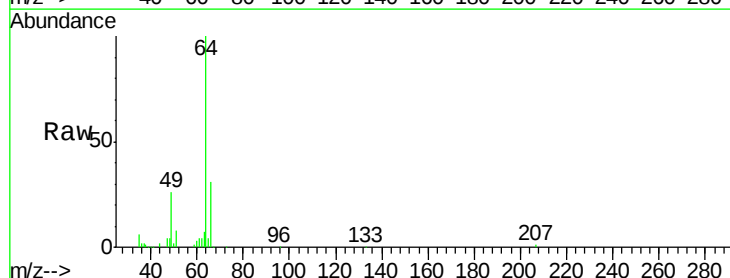
Acq: 21 Apr 2020 11:28

Tgt Ion: 64 Resp: 68795

Ion Ratio Lower Upper

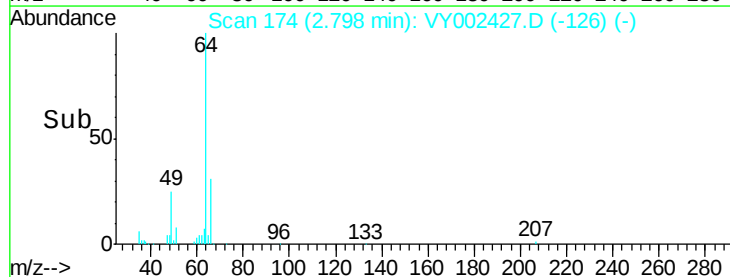
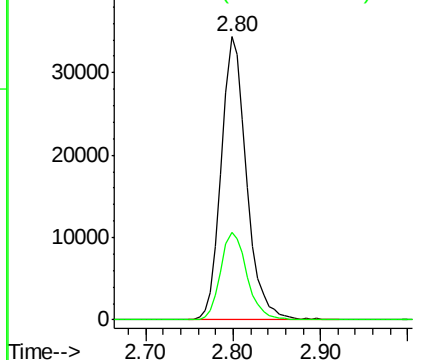
64 100

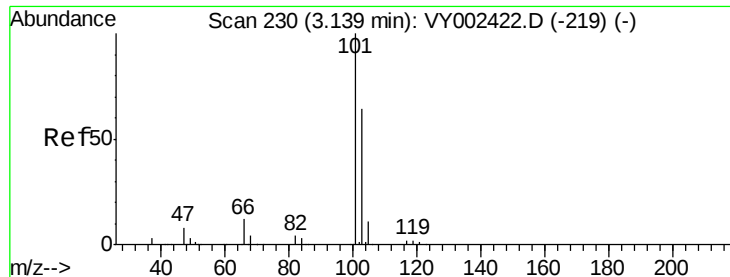
66 31.0 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

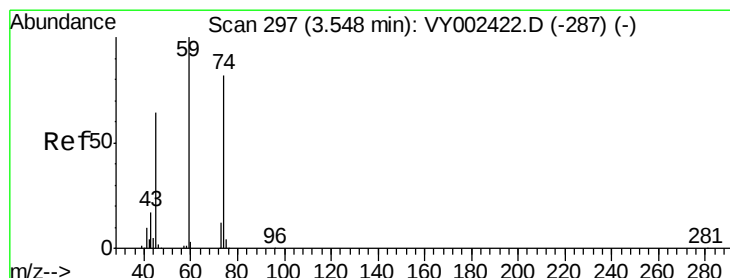
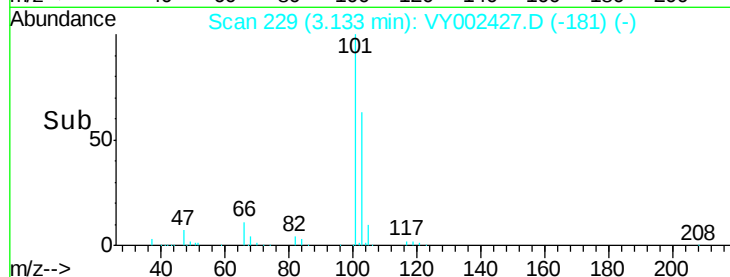
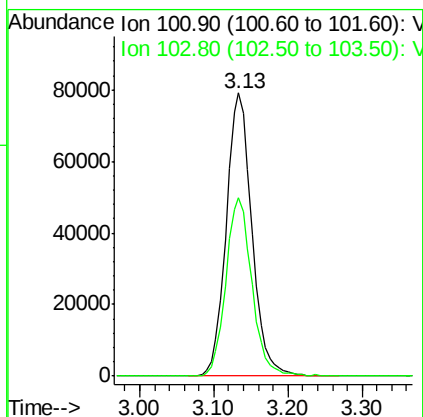
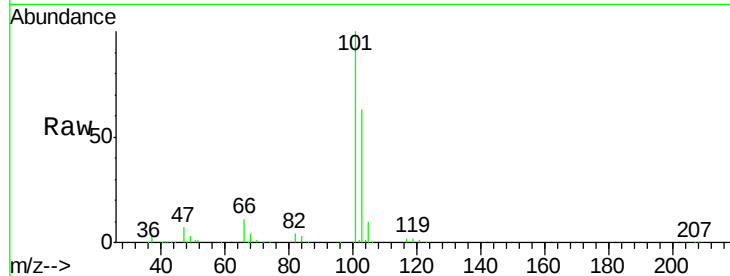
Trichlorofluoromethane
Concen: 48.097 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	190298		
103	63.1	50.8	76.2	

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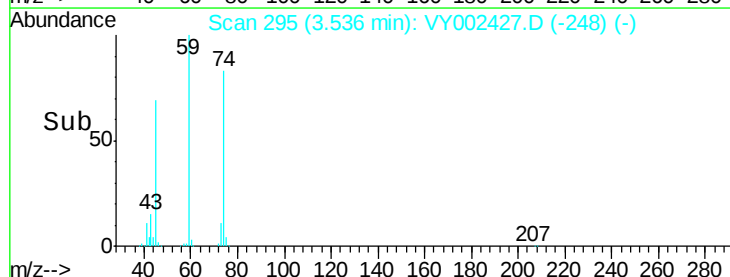
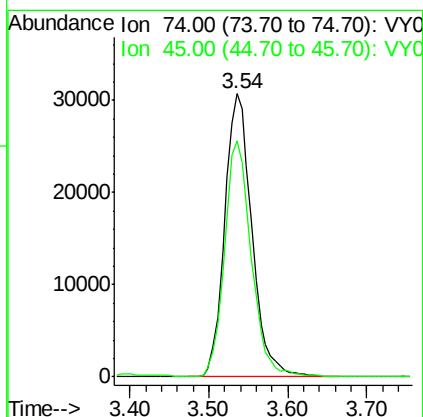
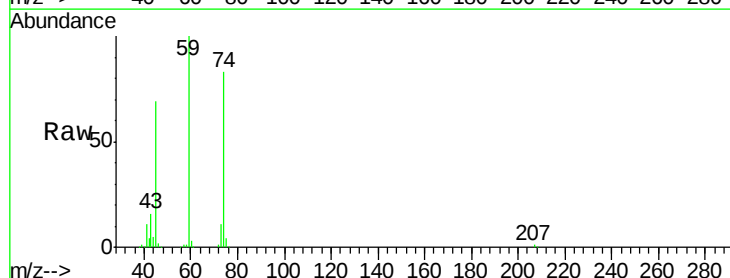
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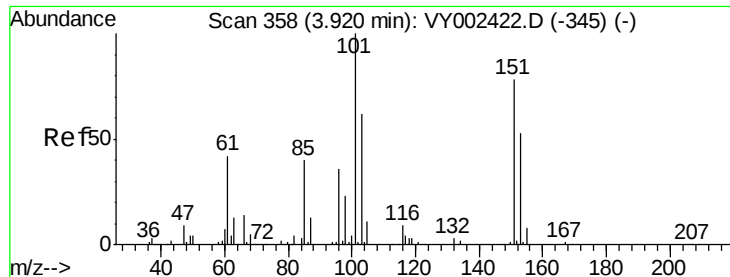


#8

Diethyl Ether
Concen: 47.086 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002427.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	73528		
45	82.5	39.5	118.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.373 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

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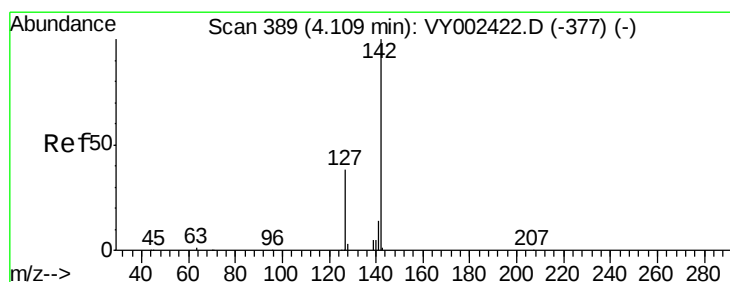
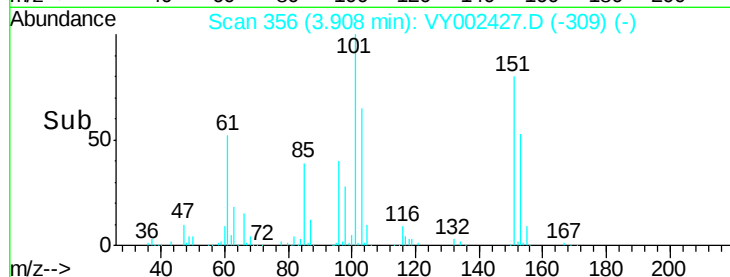
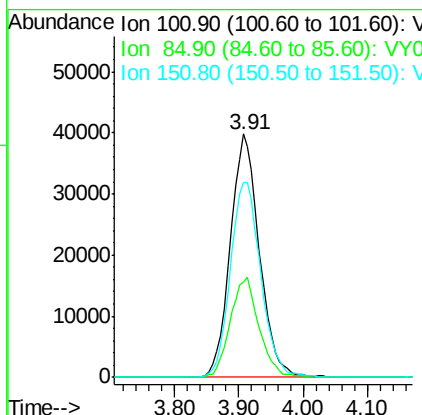
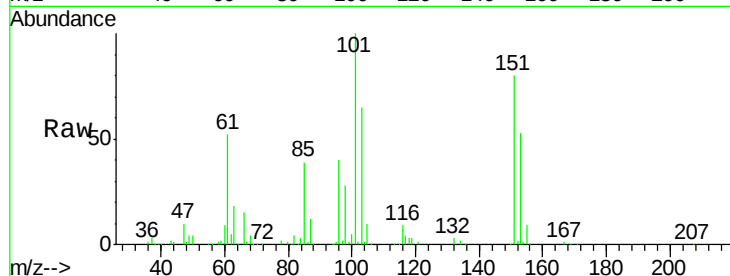
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	125192
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.2	48.4
151	84.0	67.3	100.9

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#10

Methyl Iodide

Concen: 51.143 ug/l

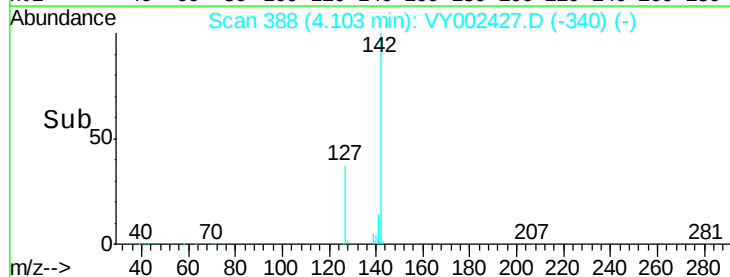
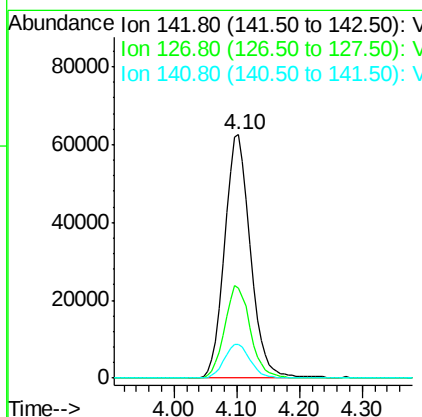
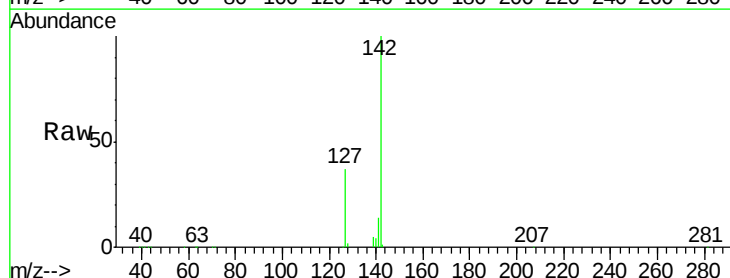
RT: 4.10 min Scan# 388

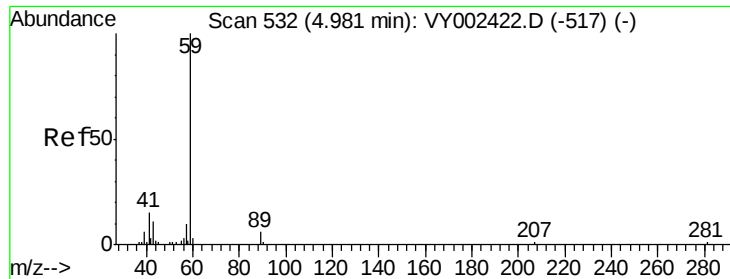
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	142	Resp:	178481
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.7	46.1
141	14.0	11.4	17.2





#11

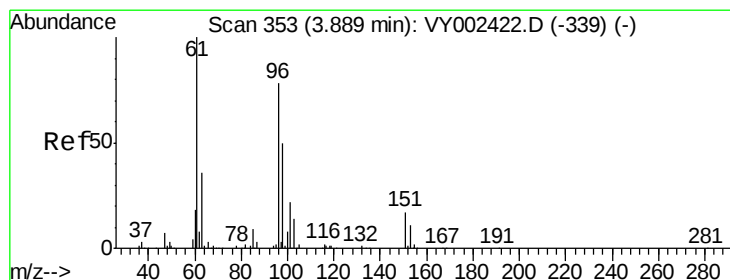
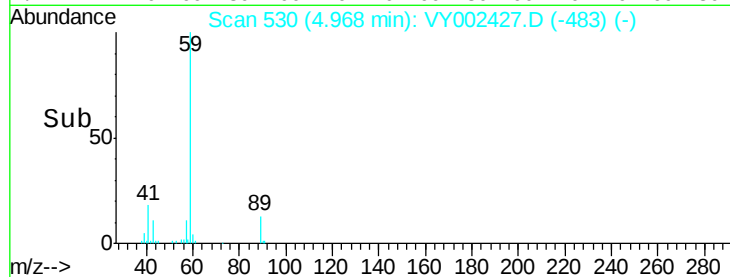
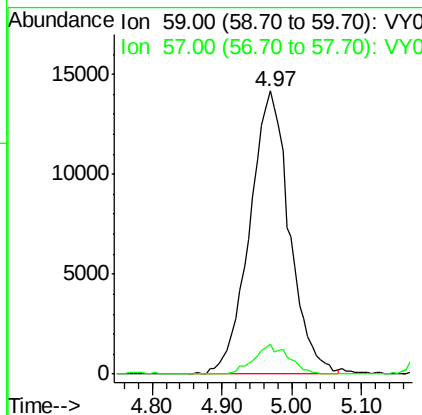
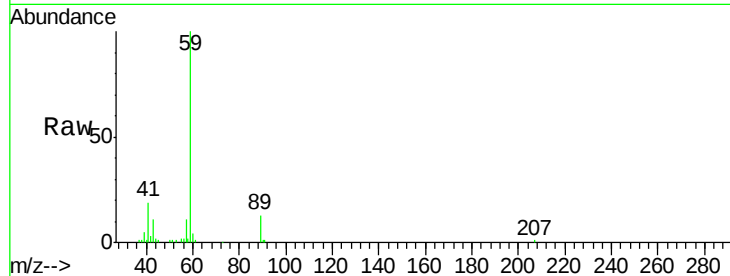
Tert butyl alcohol
 Concen: 227.595 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.2

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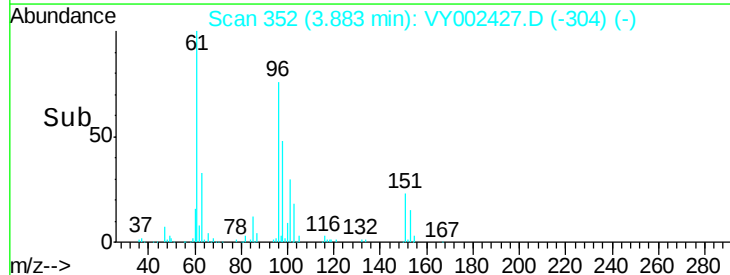
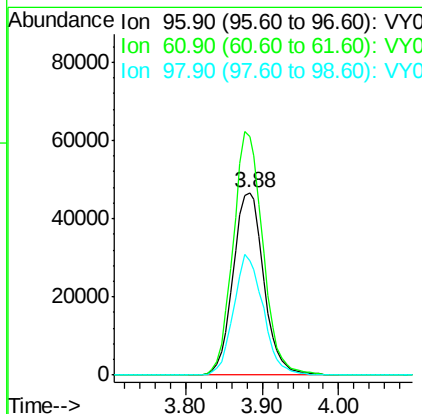
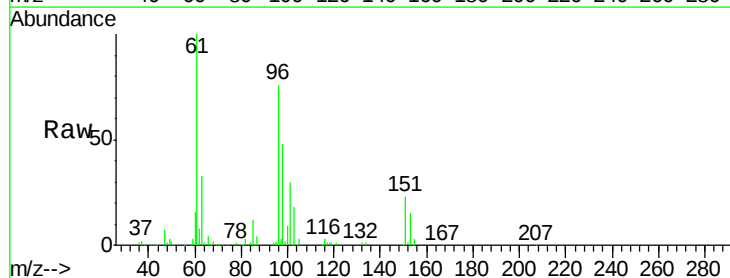
MMDadoda
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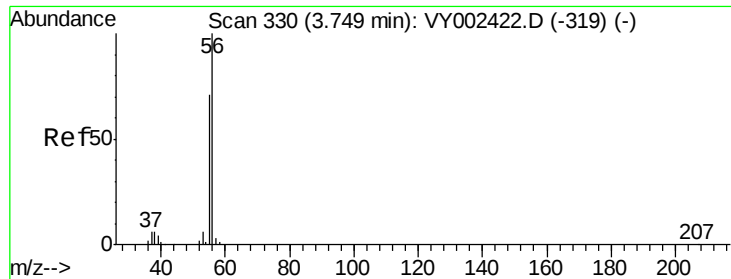


#12

1,1-Dichloroethene
 Concen: 48.442 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	102.1	153.1
98	62.8	51.3	76.9





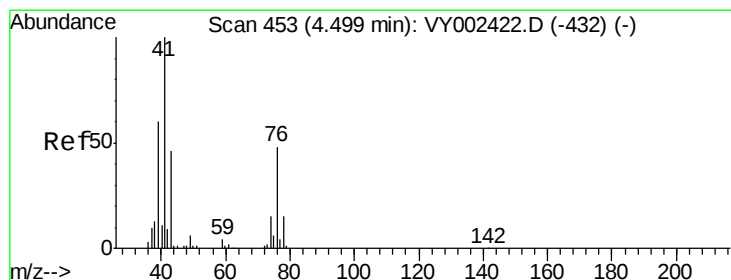
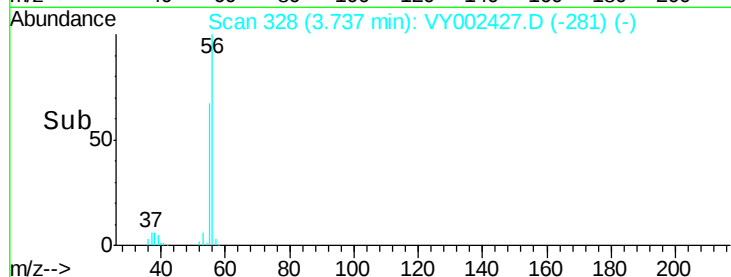
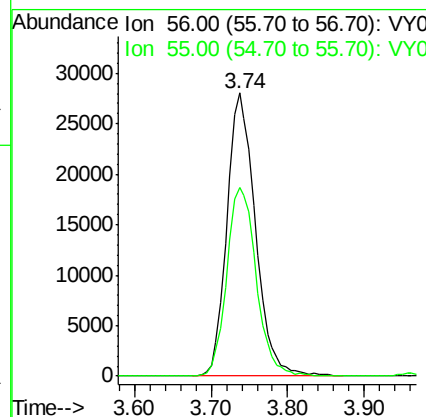
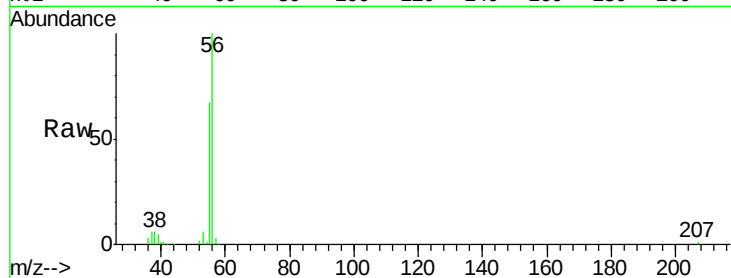
#13
Acrolein
Concen: 298.151 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	72050
Ion Ratio	100	Lower	Upper
56	100		
55	69.2	55.9	83.9

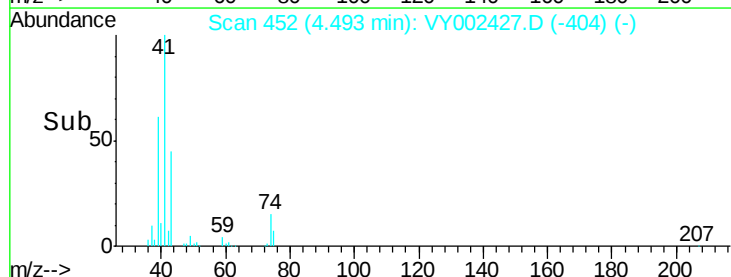
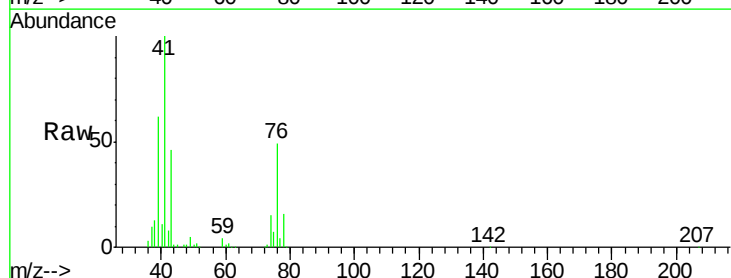
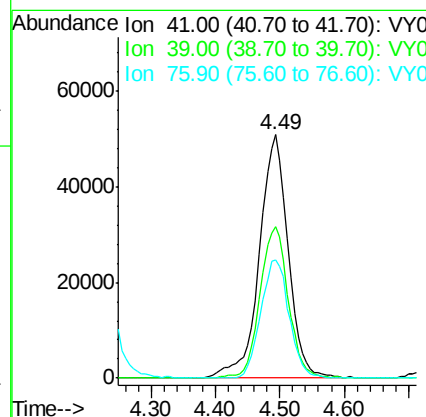
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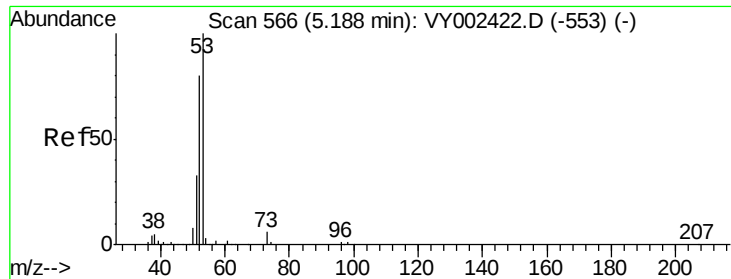
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#14
Allyl chloride
Concen: 47.592 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	41	Resp	157234
Ion Ratio	100	Lower	Upper
41	100		
39	61.3	49.1	73.7
76	47.8	38.6	57.8





#15

Acrylonitrile

Concen: 239.127 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

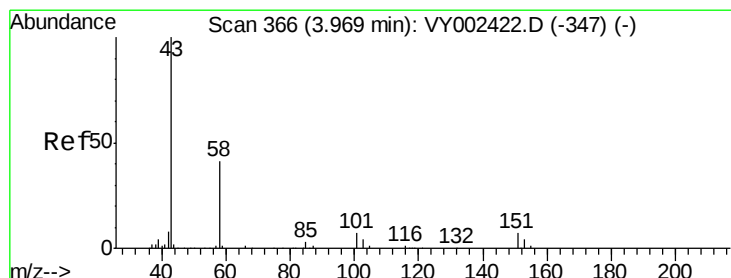
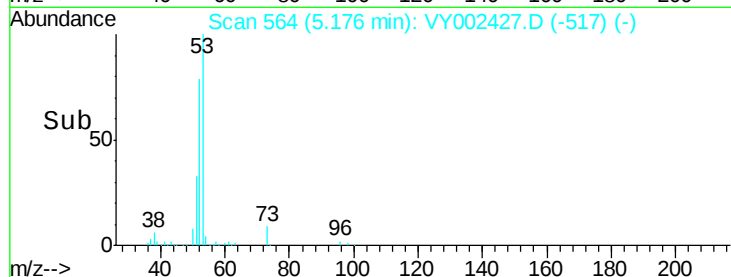
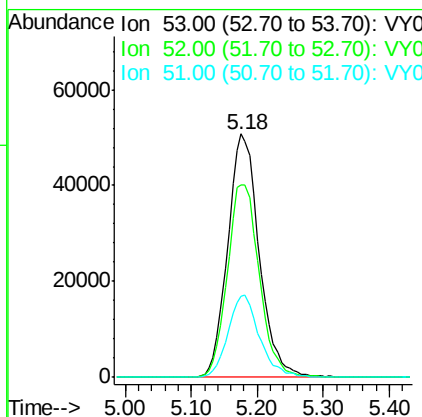
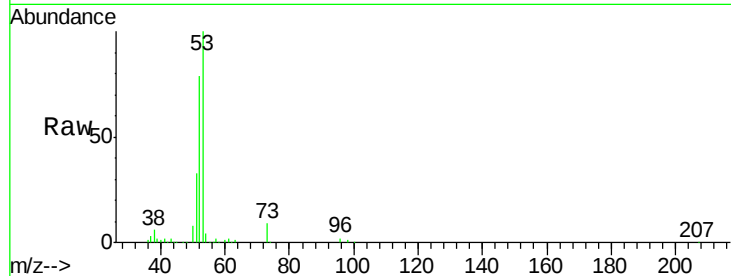
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	167360
Ion Ratio	Lower	Upper	
53	100		
52	80.5	65.1	97.7
51	34.0	26.8	40.2

Manual Integrations
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#16

Acetone

Concen: 304.285 ug/l

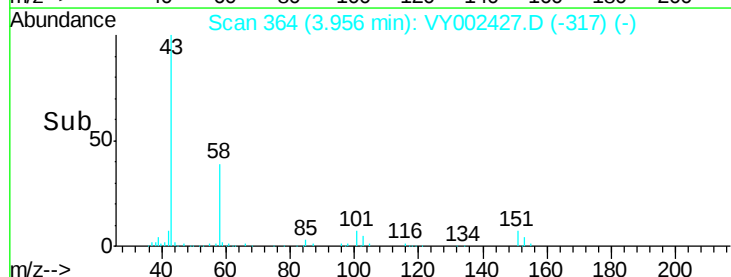
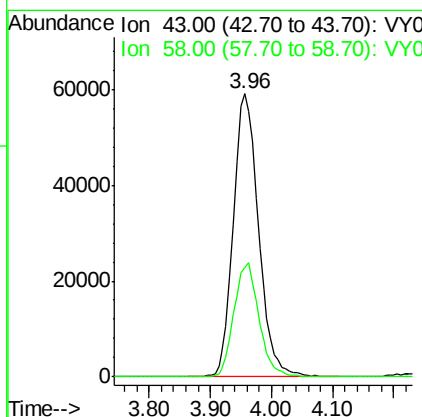
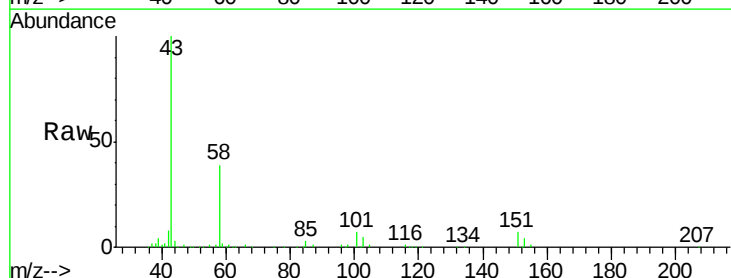
RT: 3.96 min Scan# 364

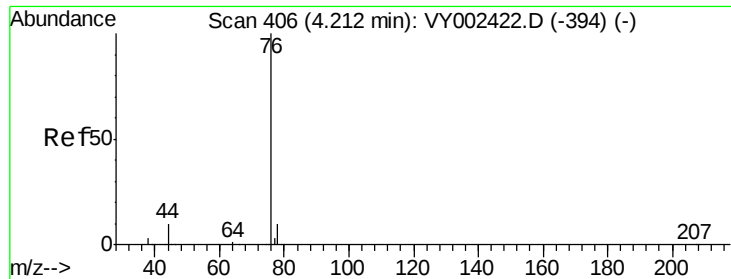
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	43	Resp:	167307
Ion Ratio	Lower	Upper	
43	100		
58	38.6	32.6	48.8





#17

Carbon Disulfide

Concen: 49.041 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 401401

Ion Ratio Lower Upper

76 100

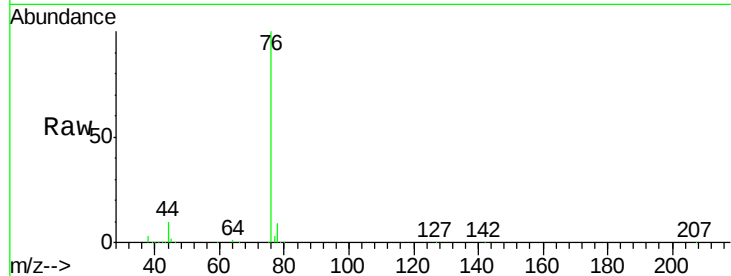
78 9.3 7.8 11.6

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

150000

100000

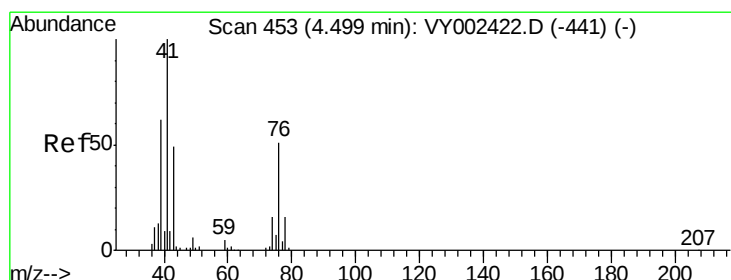
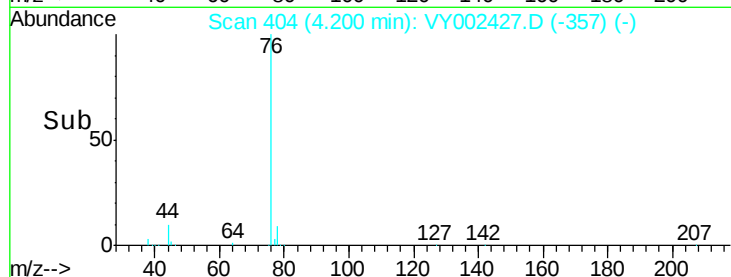
50000

0

4.20

4.00 4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 46.519 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002427.D

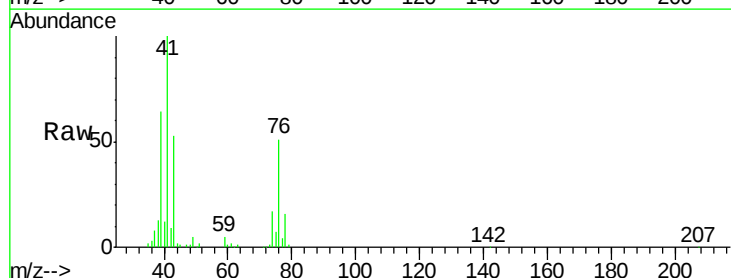
Acq: 21 Apr 2020 11:28

Tgt Ion: 43 Resp: 73109

Ion Ratio Lower Upper

43 100

74 30.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

30000

25000

20000

15000

10000

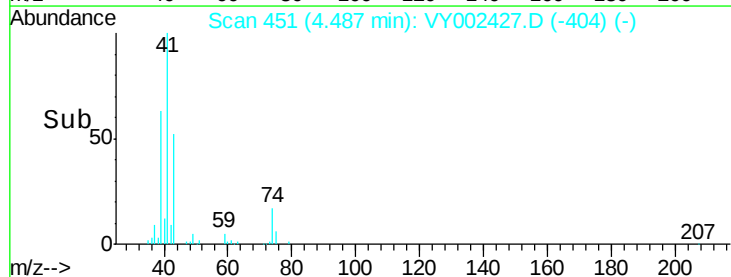
5000

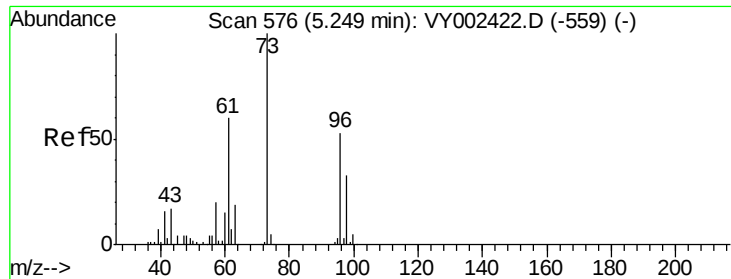
0

4.49

4.30 4.40 4.50 4.60

Time-->





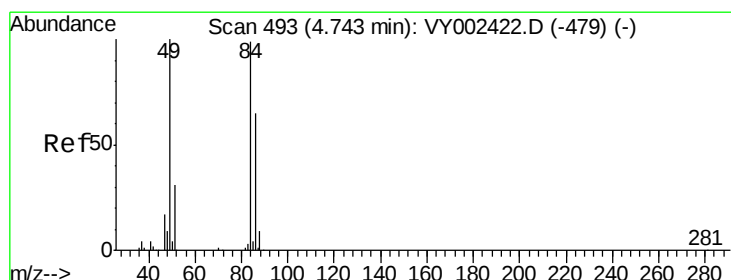
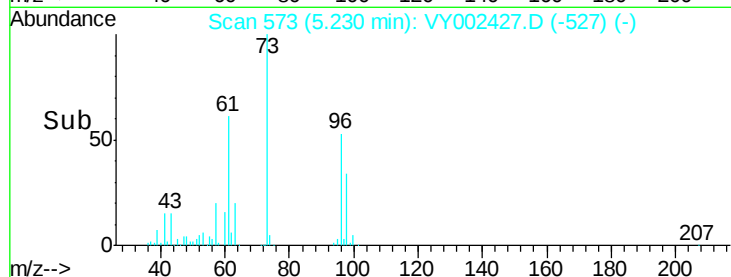
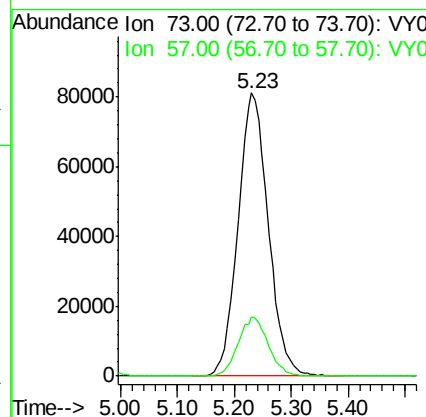
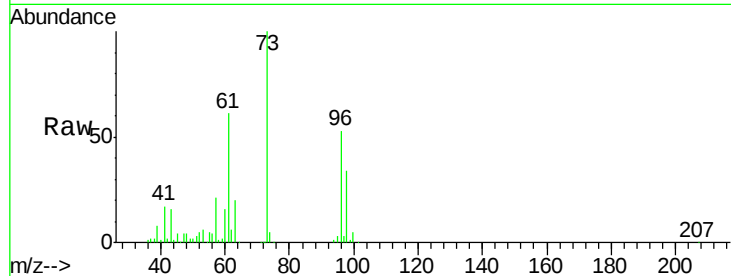
#19
Methvl tert-butvl Ether
Concen: 47.574 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 300141
Ion Ratio Lower Upper
73 100
57 20.9 16.3 24.5

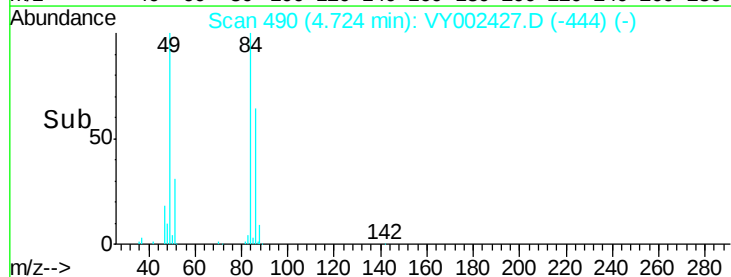
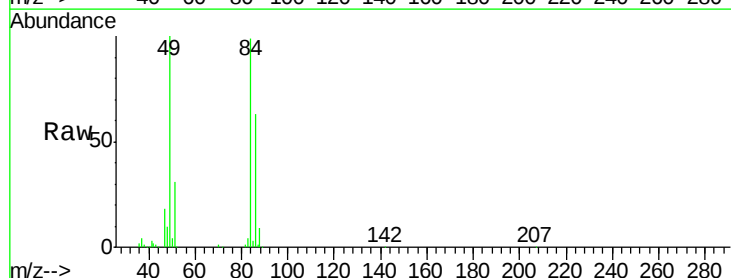
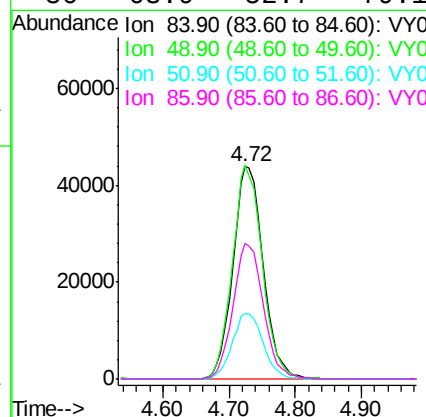
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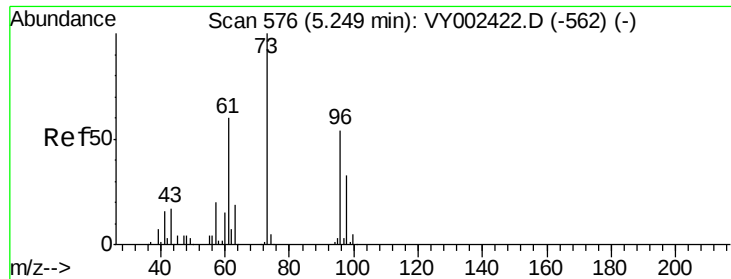
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#20
Methylene Chloride
Concen: 45.235 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.02 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion: 84 Resp: 139177
Ion Ratio Lower Upper
84 100
49 100.7 81.0 121.6
51 31.1 24.9 37.3
86 63.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 47.447 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

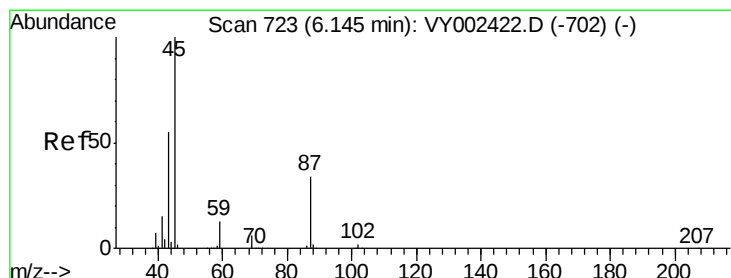
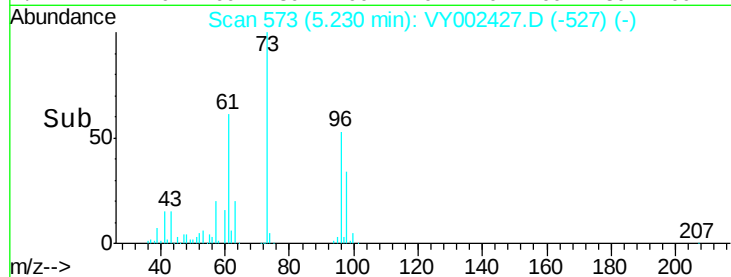
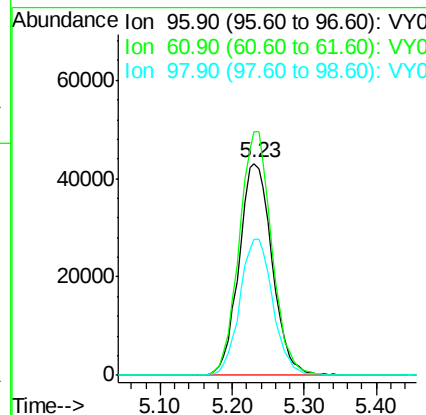
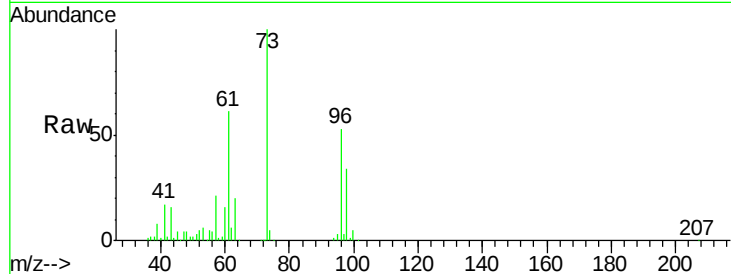
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	137930
Ion	Ratio	Lower	Upper
96	100		
61	114.9	89.7	134.5
98	64.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.084 ug/l

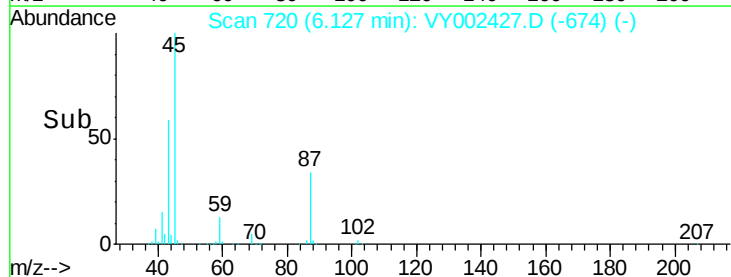
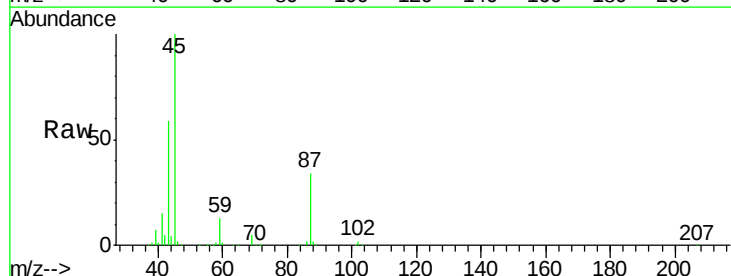
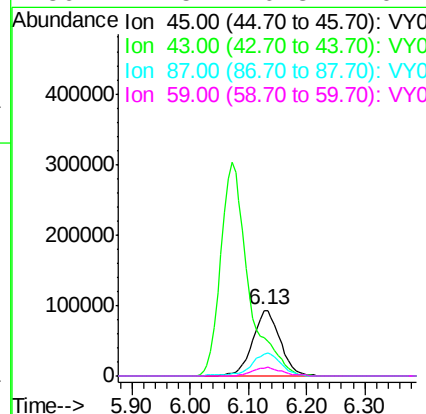
RT: 6.13 min Scan# 720

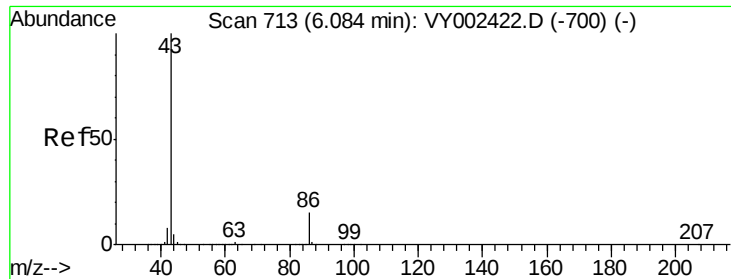
Delta R.T. -0.02 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	45	Resp:	305257
Ion	Ratio	Lower	Upper
45	100		
43	58.3	43.8	65.6
87	33.8	27.4	41.2
59	12.5	10.8	16.2





#23

Vinyl Acetate

Concen: 239.218 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 998084

Ion Ratio Lower Upper

43 100

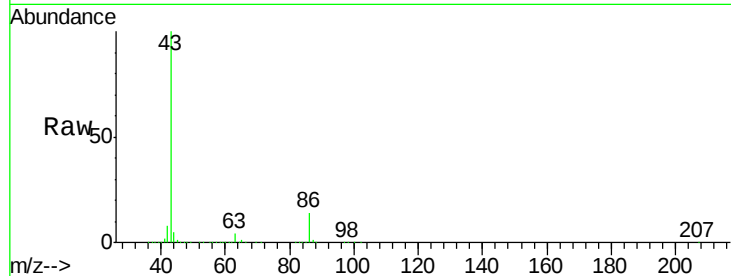
86 14.0 11.7 17.5

Manual Integrations

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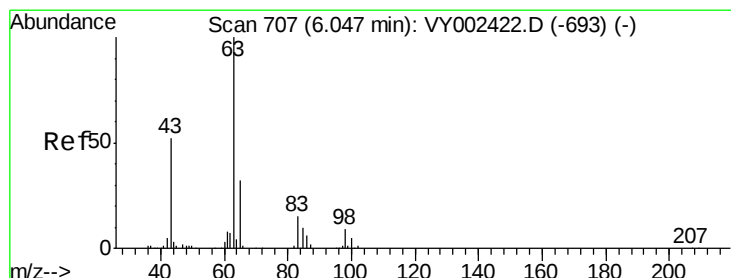
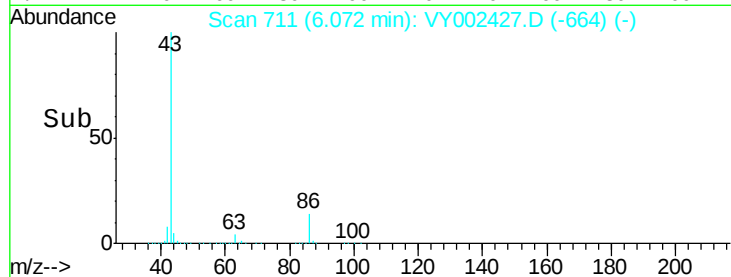
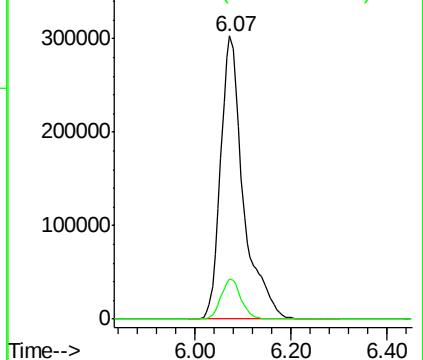
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 47.066 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

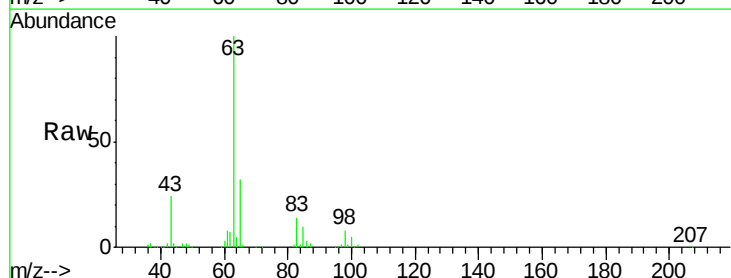
Tgt Ion: 63 Resp: 197710

Ion Ratio Lower Upper

63 100

98 8.1 4.5 13.4

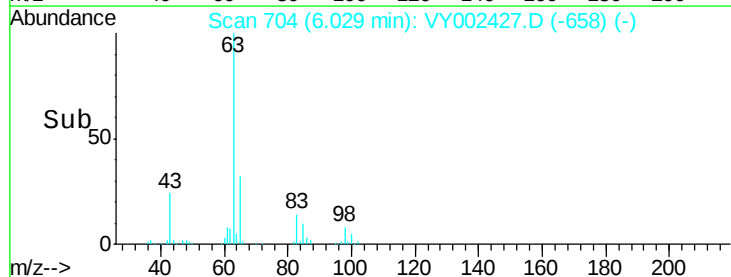
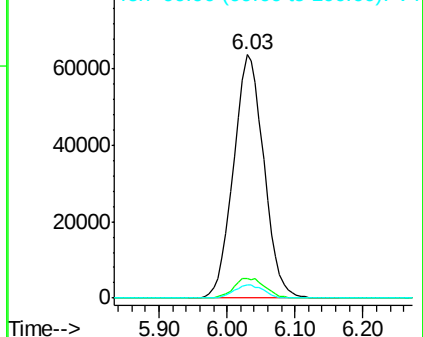
100 5.2 2.6 8.0

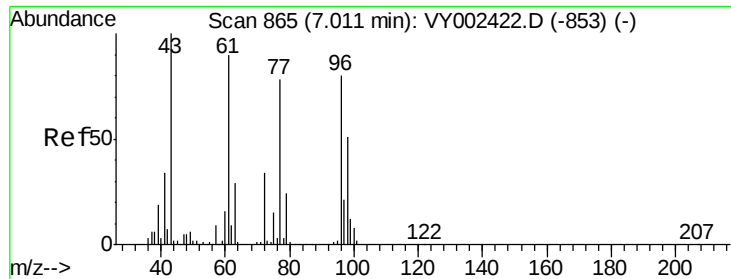


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 259.702 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 203542

Ion Ratio Lower Upper

43 100

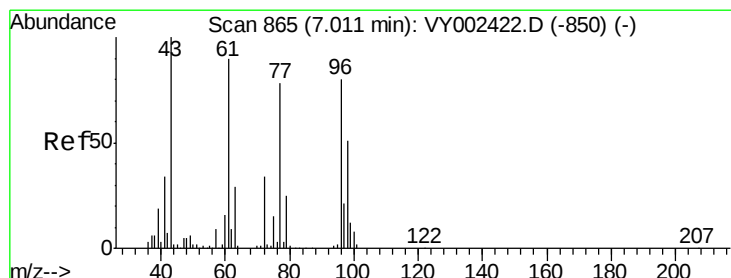
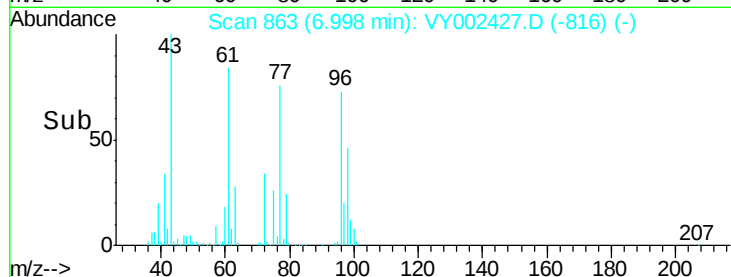
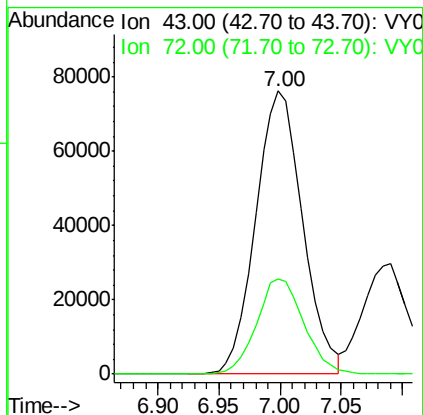
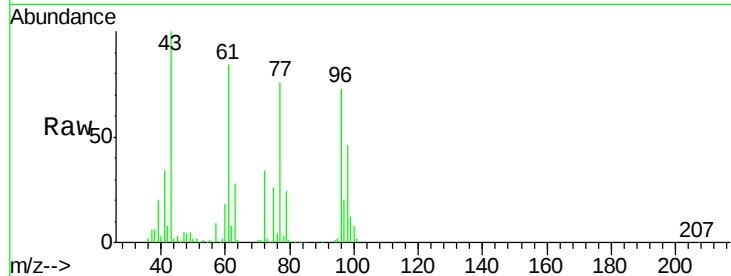
72 33.6 27.0 40.6

Manual Integrations

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MMDadoda

4/22/2020 11:44:20 AM



#26

2,2-Dichloropropane

Concen: 48.157 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002427.D

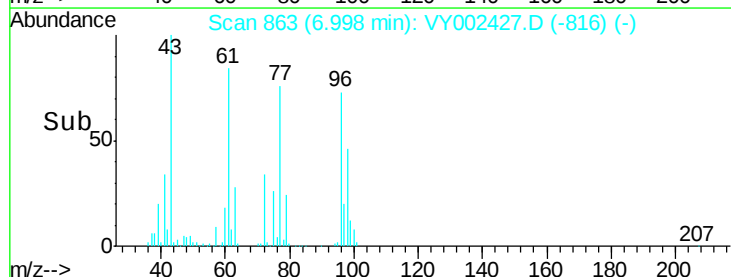
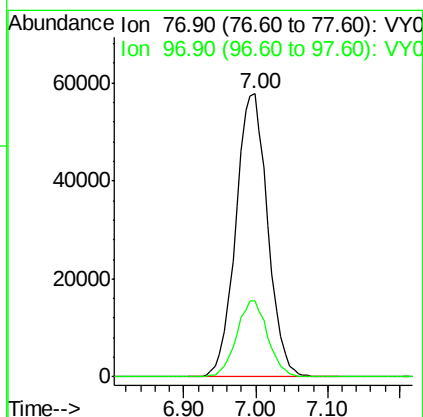
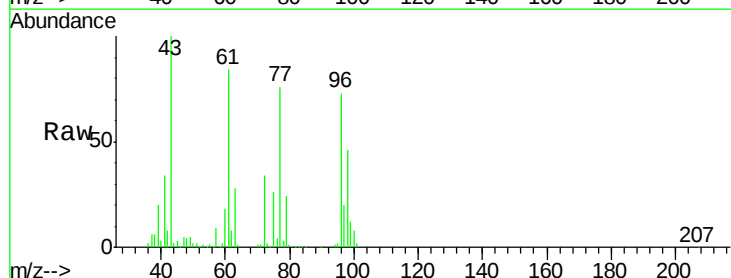
Acq: 21 Apr 2020 11:28

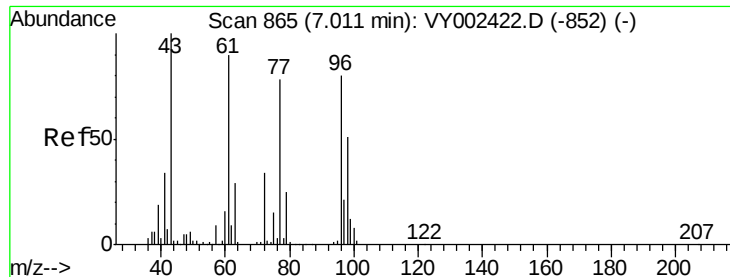
Tgt Ion: 77 Resp: 177085

Ion Ratio Lower Upper

77 100

97 26.3 13.5 40.5





#27

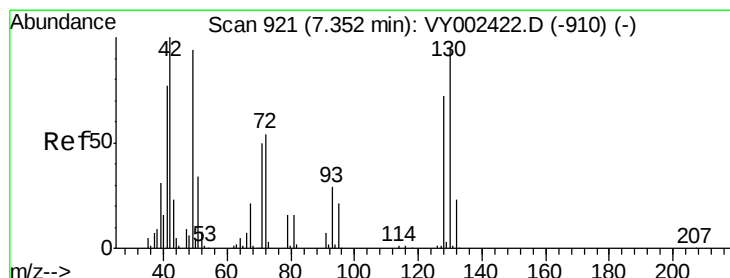
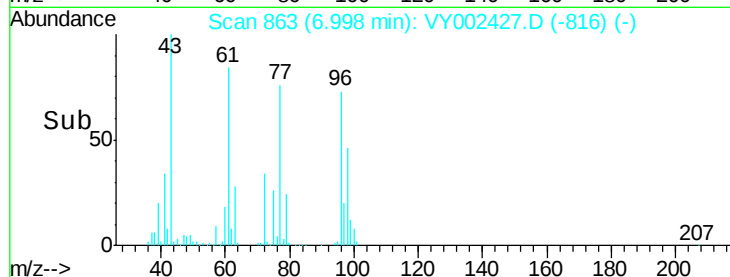
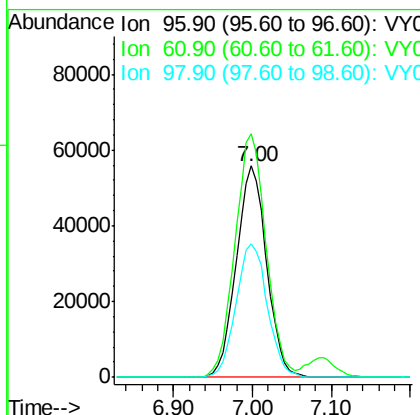
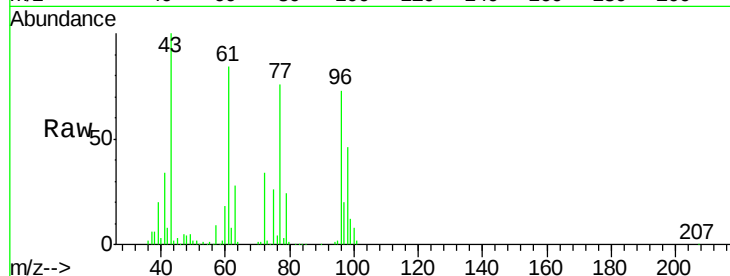
cis-1,2-Dichloroethene
Concen: 47.392 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149414		
61	118.0		0.0	236.2
98	65.3		0.0	130.2

Manual Integrations
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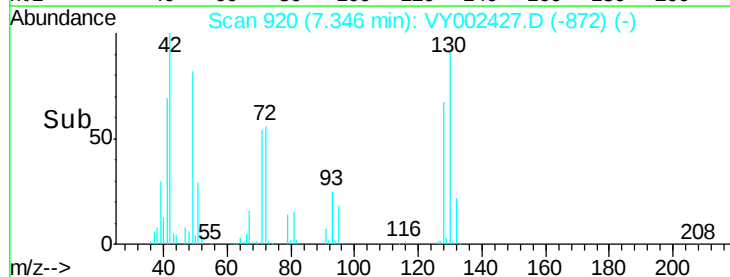
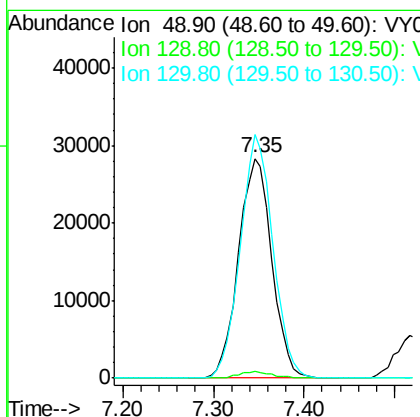
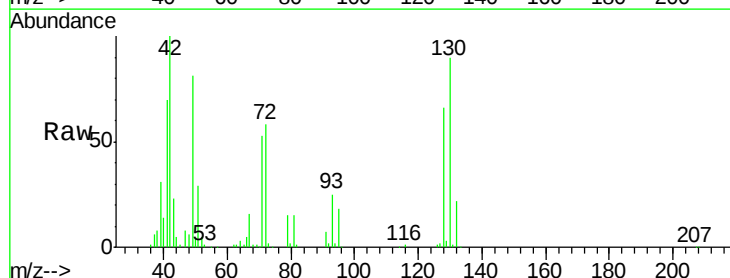
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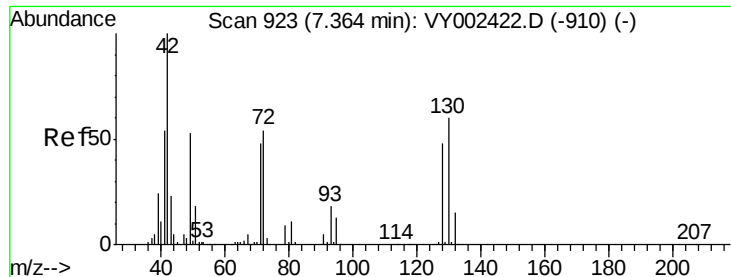


#28

Bromochloromethane
Concen: 44.993 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72017		
129	2.8		0.0	6.0
130	108.5		84.1	126.1





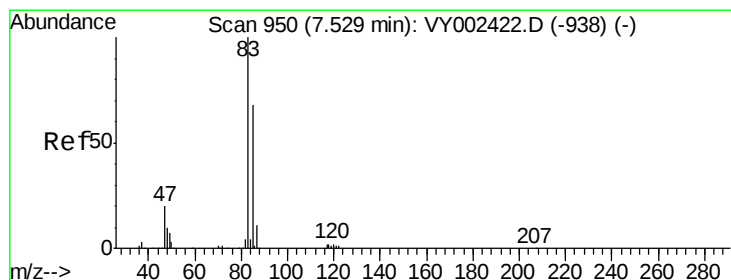
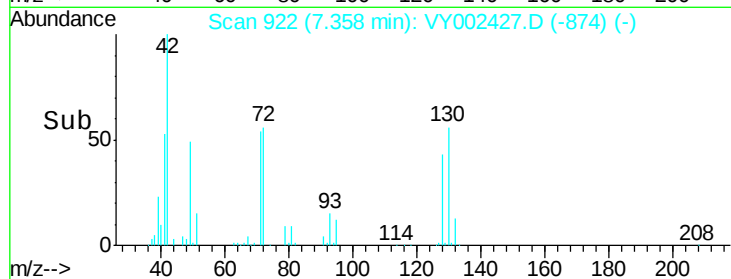
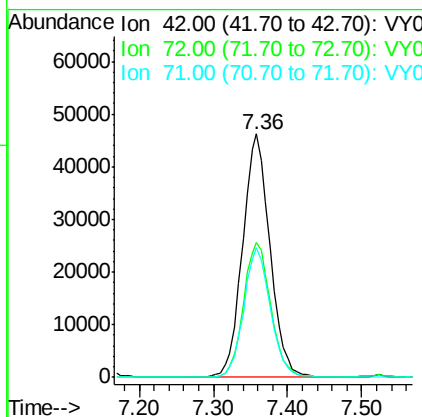
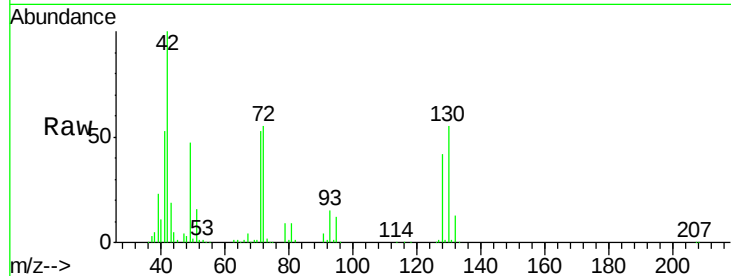
#29
Tetrahydrofuran
Concen: 237.134 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.3	44.6	67.0
71	51.9	40.6	60.8

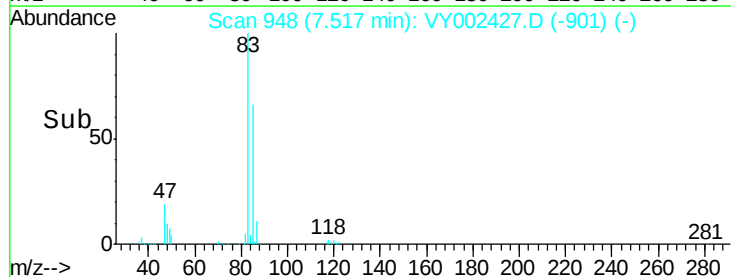
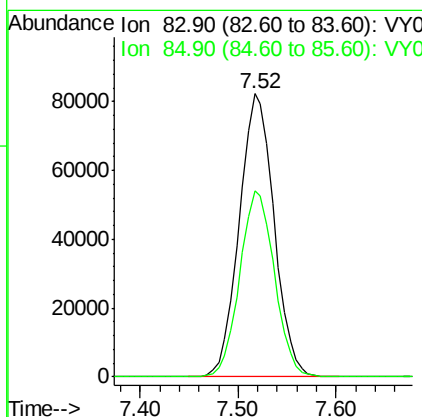
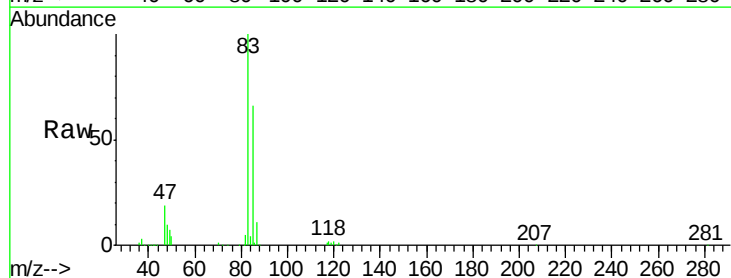
Manual Integrations
APPROVED

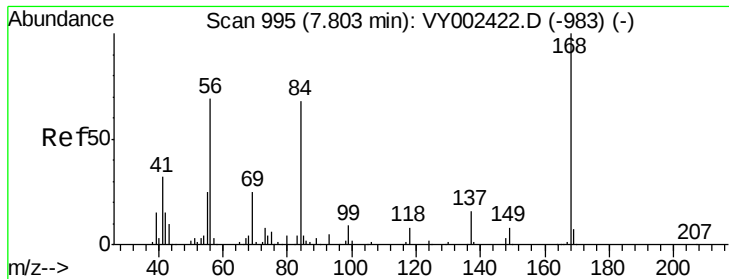
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#30
Chloroform
Concen: 46.735 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.3	81.5





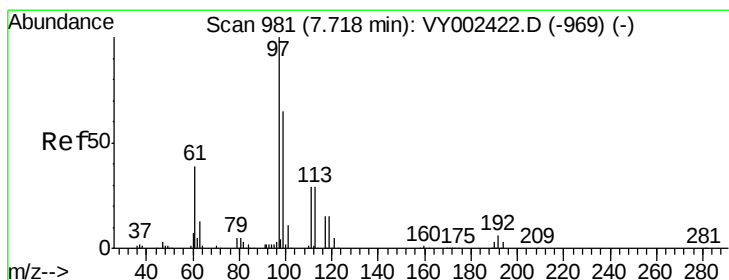
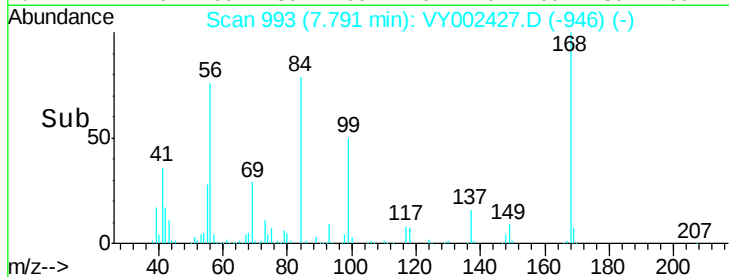
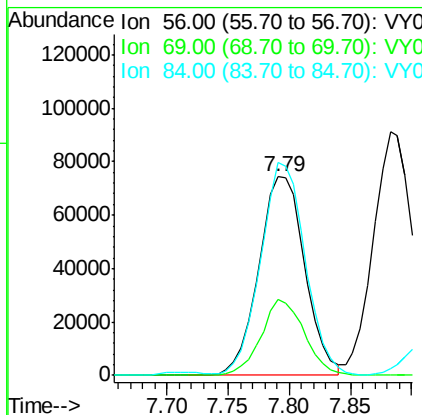
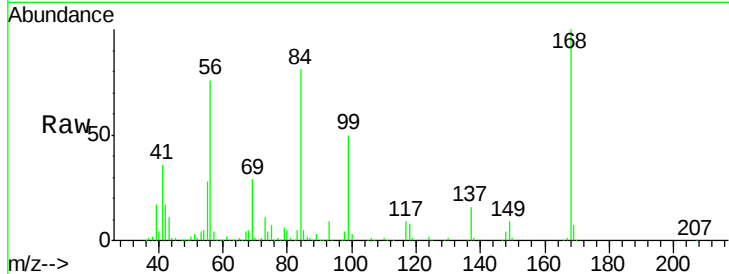
#31
Cyclohexane
Concen: 45.800 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	29.1	43.7
84	105.8	79.4	119.2

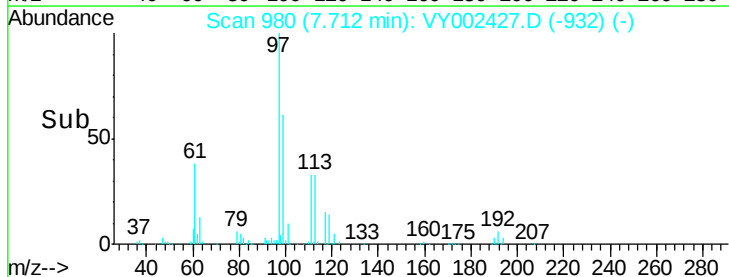
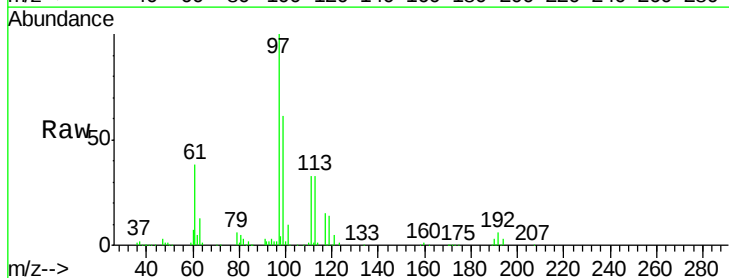
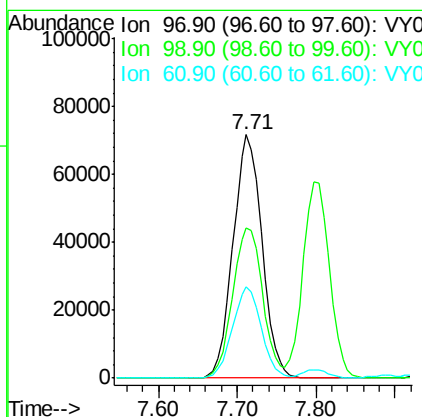
Manual Integrations
APPROVED

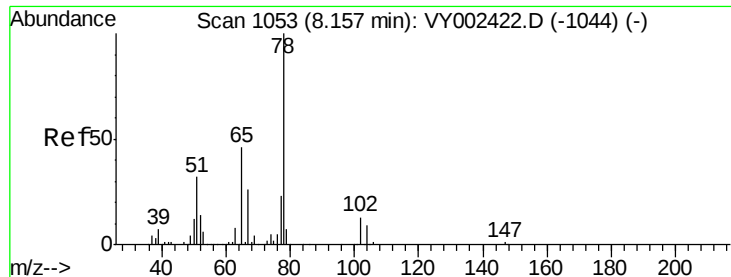
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#32
1,1,1-Trichloroethane
Concen: 47.906 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	37.4	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 46.945 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 96590

Ion Ratio Lower Upper

65 100

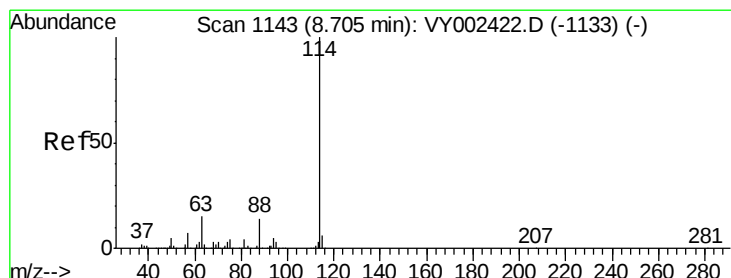
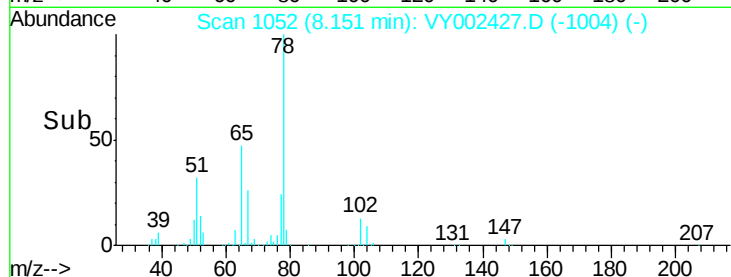
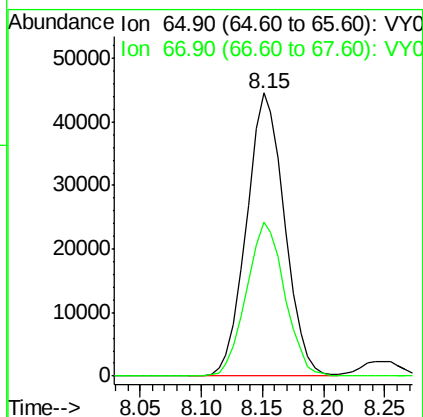
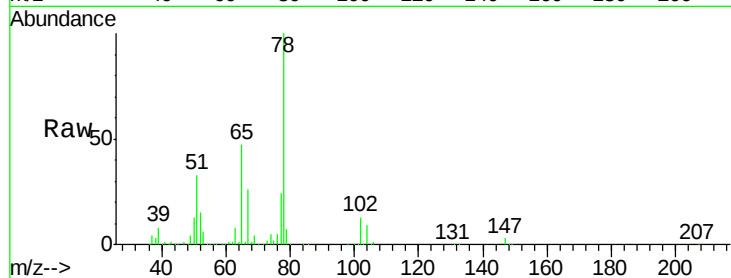
67 54.8 0.0 111.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

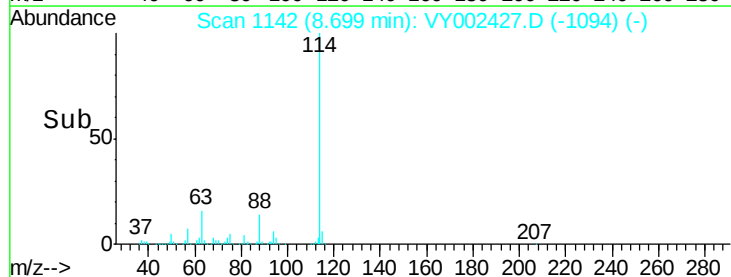
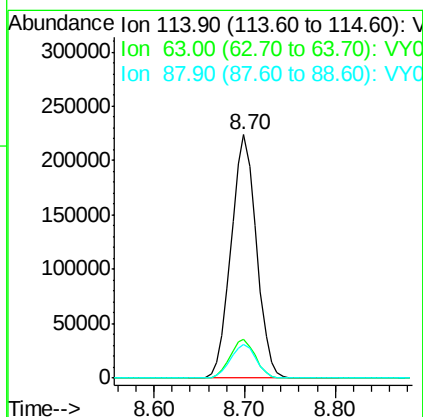
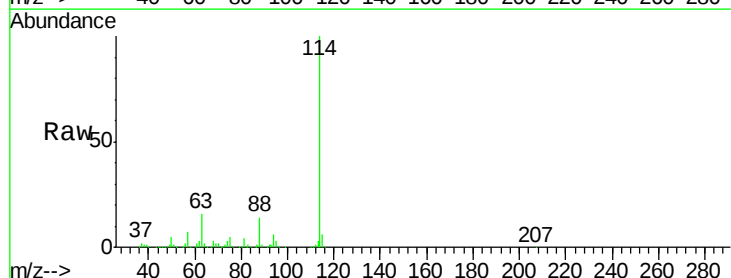
Tgt Ion: 114 Resp: 431841

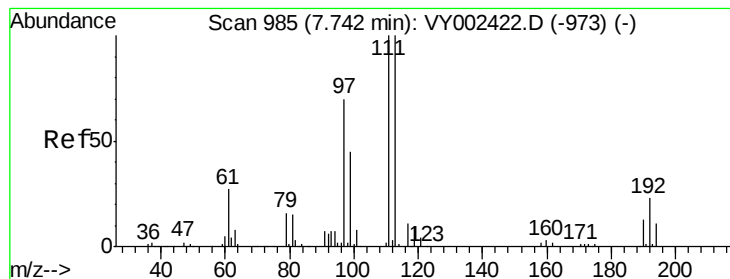
Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.0

88 13.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 48.753 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

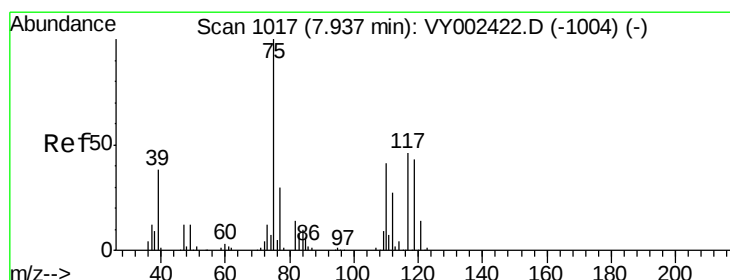
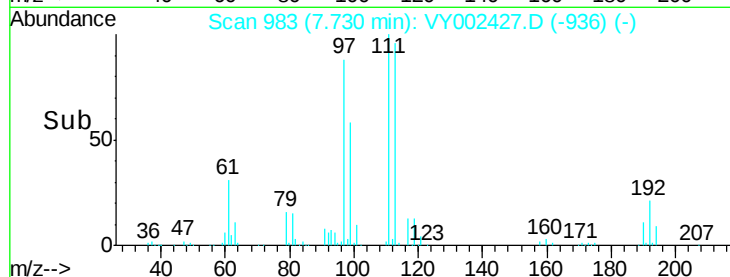
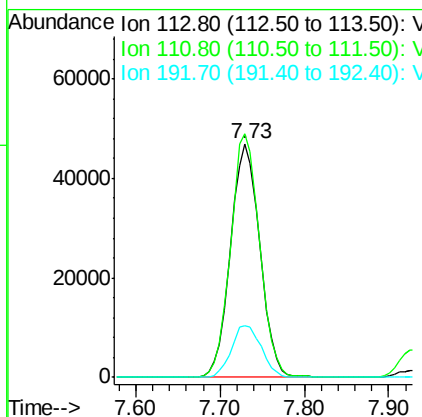
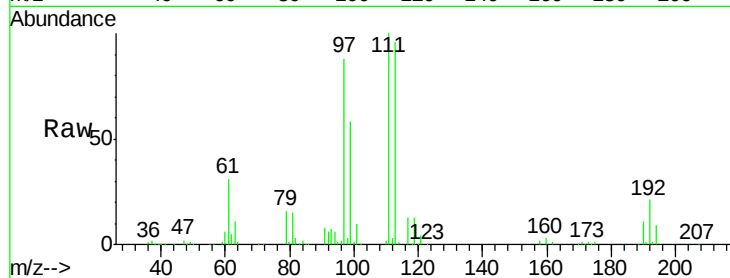
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	110737
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	22.5	17.8	26.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.179 ug/l

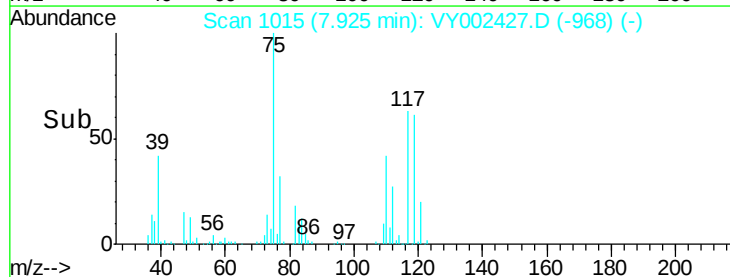
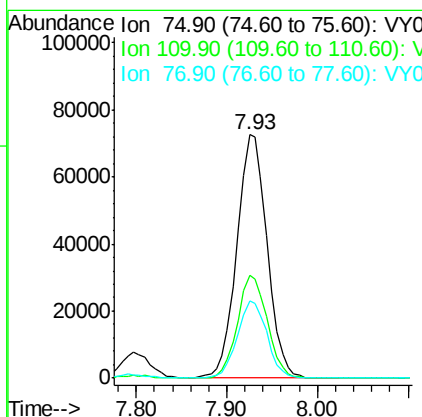
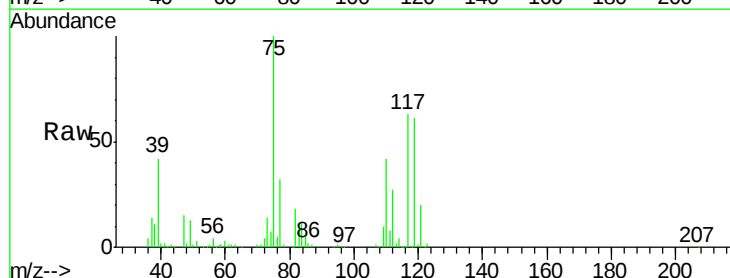
RT: 7.93 min Scan# 1015

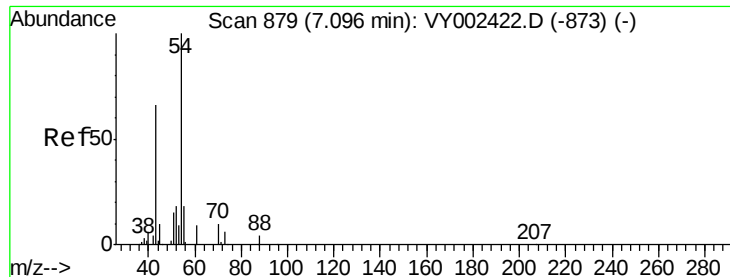
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	75	Resp:	167409
Ion	Ratio	Lower	Upper
75	100		
110	41.5	20.4	61.2
77	31.2	25.5	38.3





#37

Ethyl Acetate

Concen: 48.590 ug/l

RT: 7.09 min Scan# 878

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

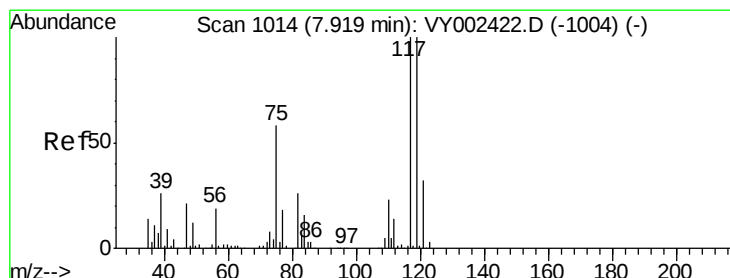
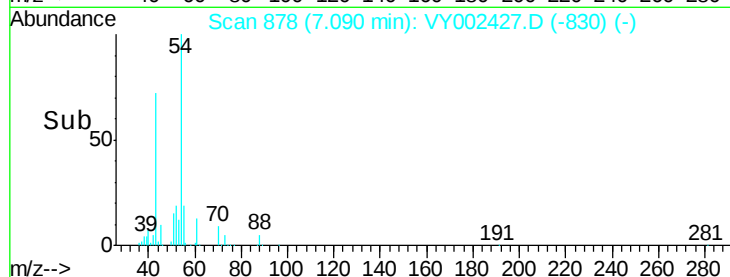
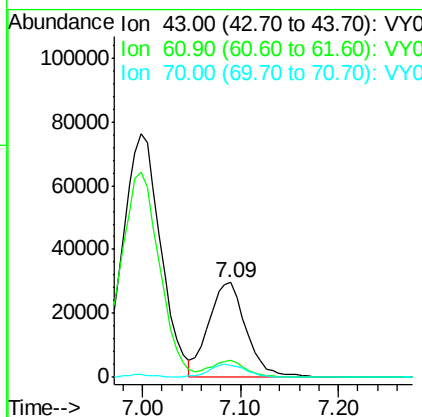
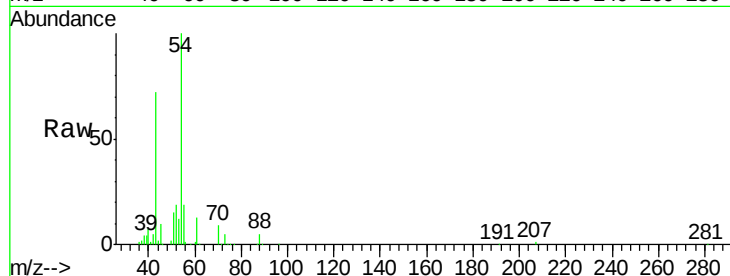
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	78954
Ion	Ratio	Lower	Upper
43	100		
61	17.3	13.5	20.3
70	13.6	10.6	16.0

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#38

Carbon Tetrachloride

Concen: 48.511 ug/l

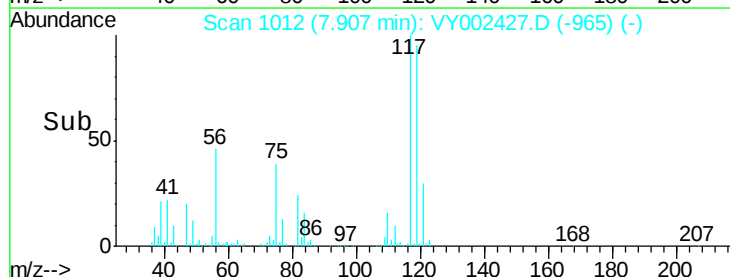
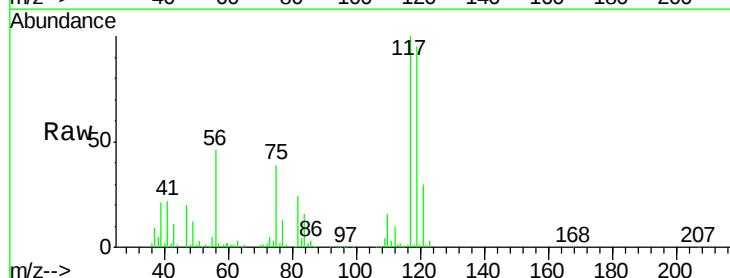
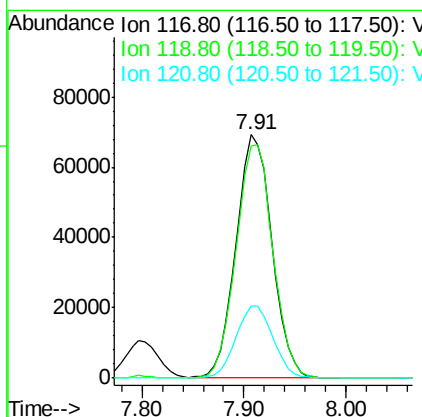
RT: 7.91 min Scan# 1012

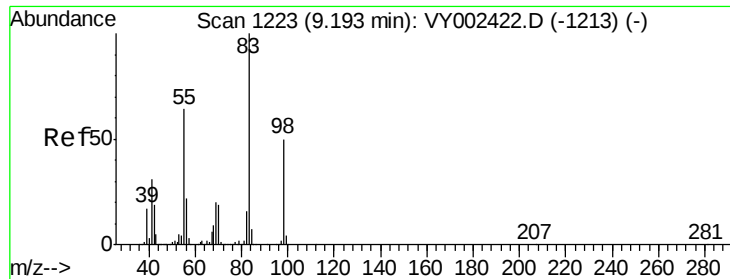
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	117	Resp:	169790
Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.6	119.4
121	29.7	25.4	38.2





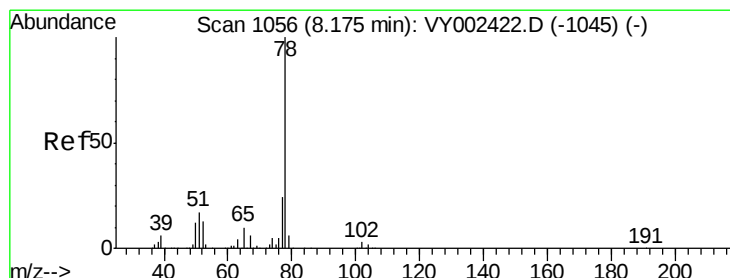
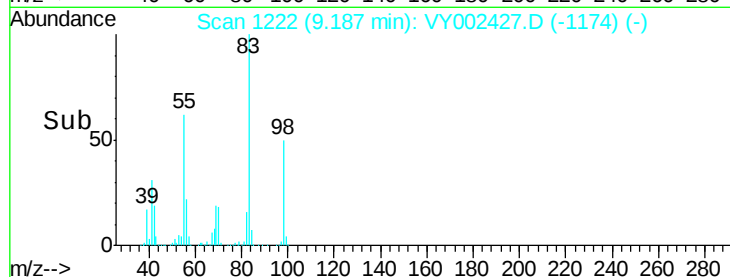
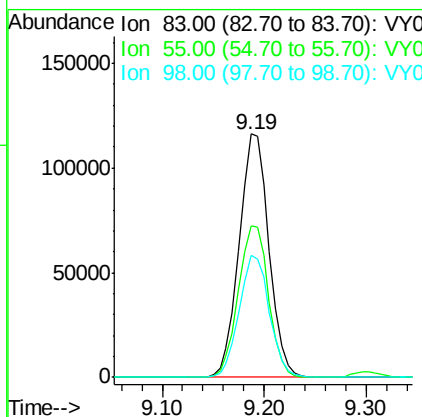
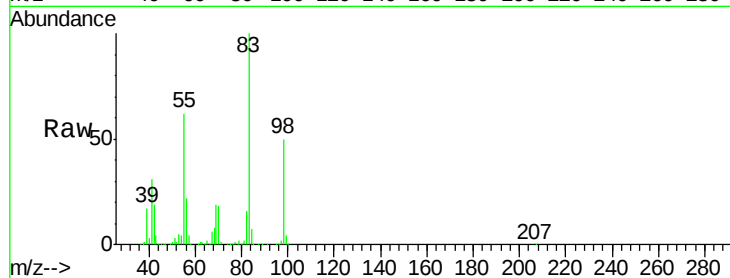
#39
Methvlcvclohexane
Concen: 49.054 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.4	51.2	76.8
98	50.2	39.8	59.6

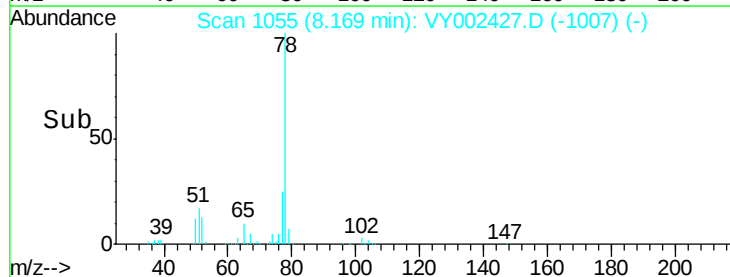
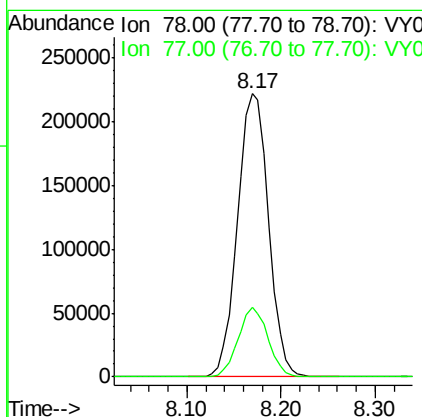
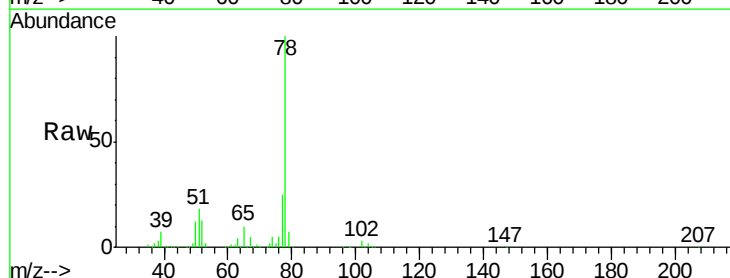
Manual Integrations
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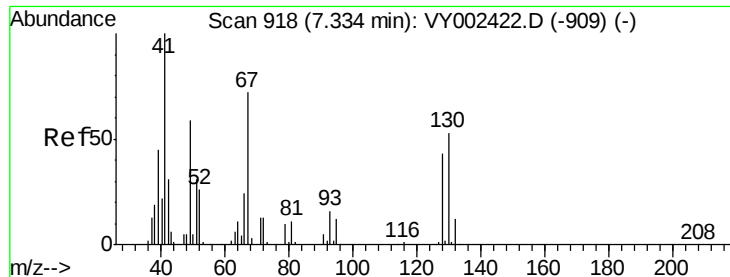
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#40
Benzene
Concen: 47.625 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4





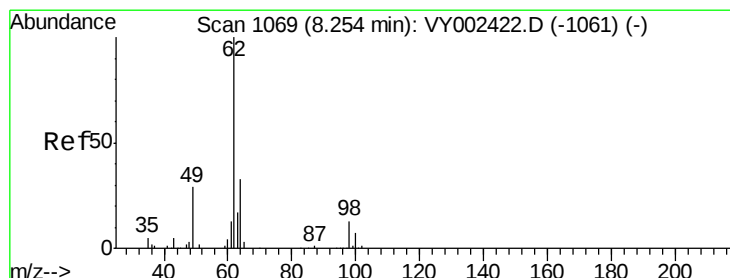
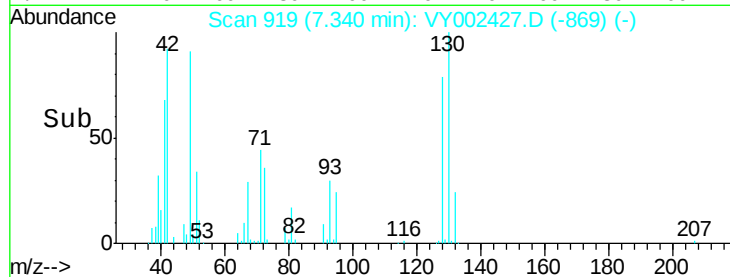
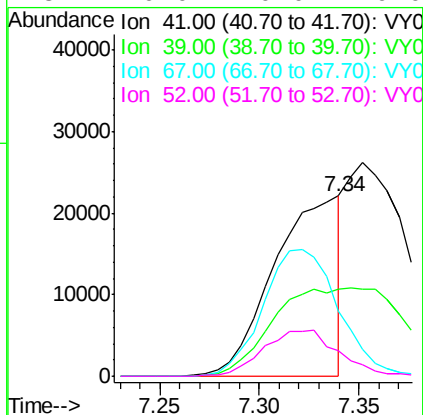
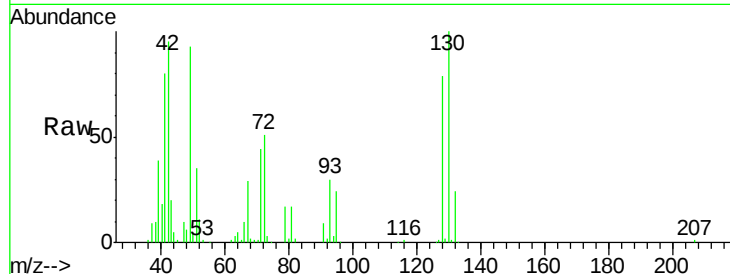
#41
Methacrylonitrile
Concen: 59.624 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	95.9	99.0	148.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

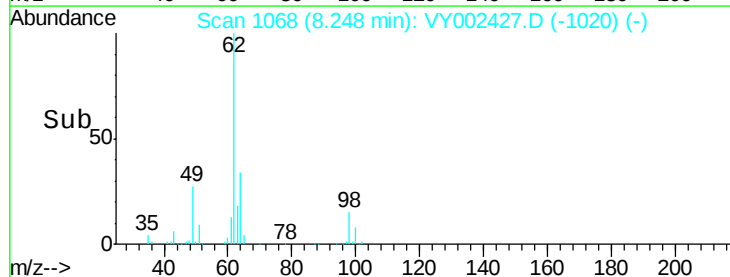
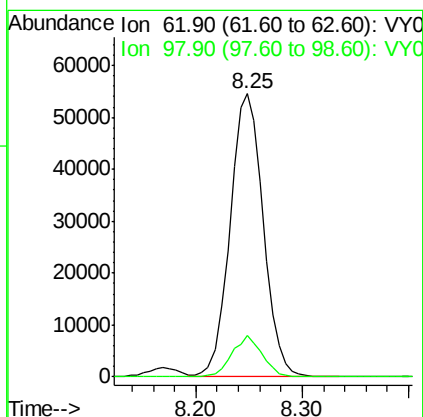
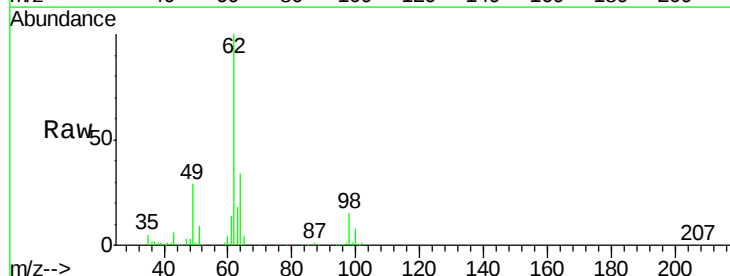
Manual Integrations
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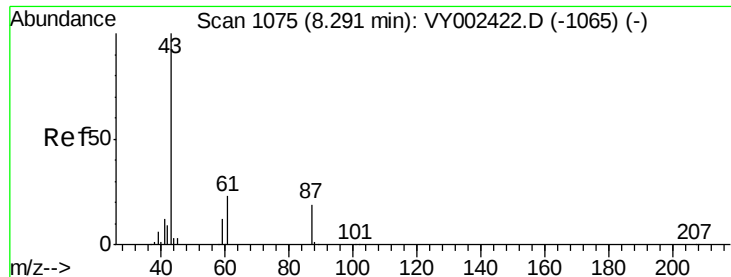
MMDadoda
4/22/2020 11:44:20 AM



#42
1,2-Dichloroethane
Concen: 47.253 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	25.4





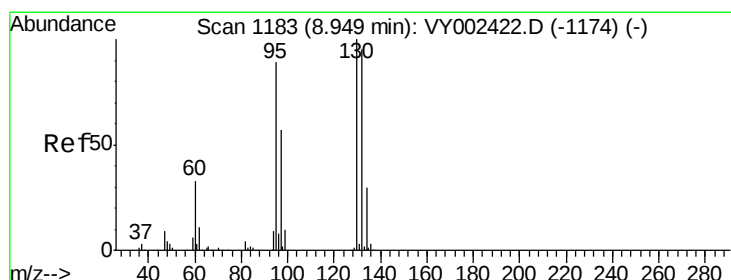
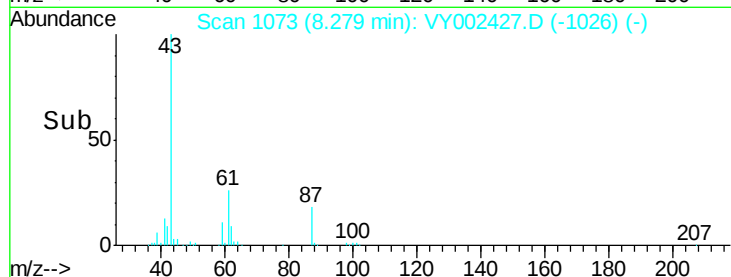
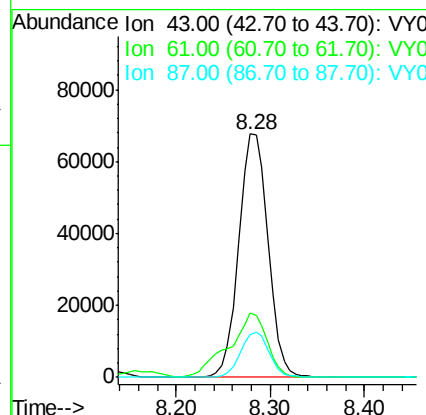
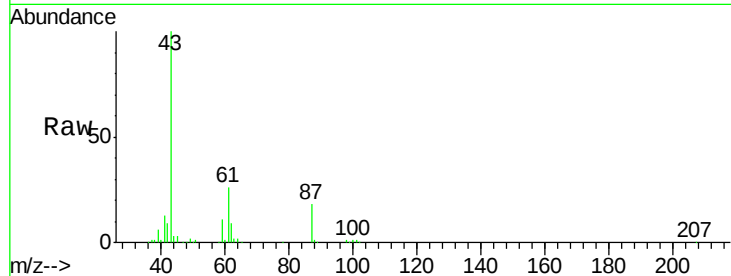
#43
Isopropyl Acetate
Concen: 48.216 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.2	27.7	41.5
87	18.1	14.5	21.7

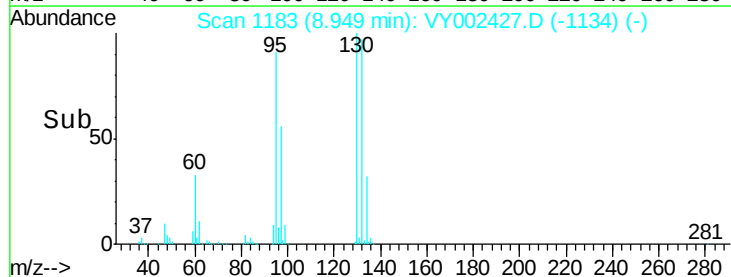
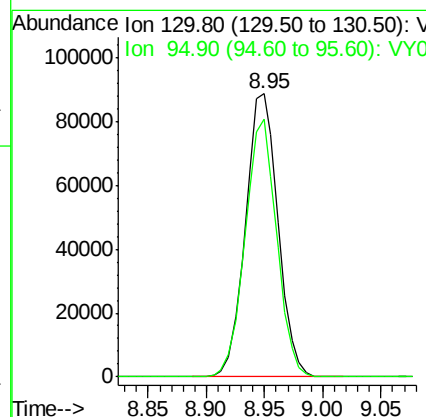
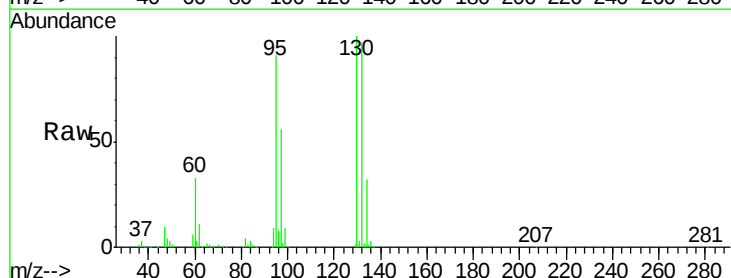
Manual Integrations
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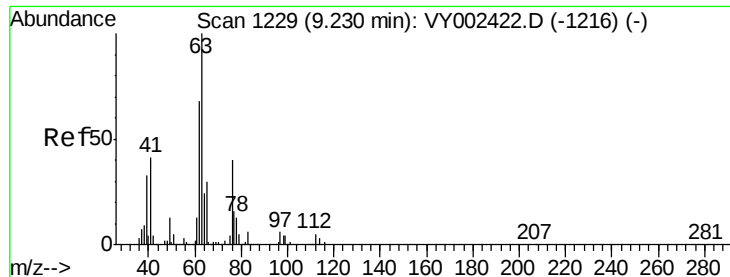
MMDadoda
4/22/2020 11:44:20 AM



#44
Trichloroethene
Concen: 48.378 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	178.4





#45

1,2-Dichloropropane

Concen: 47.121 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 115108

Ion Ratio Lower Upper

63 100

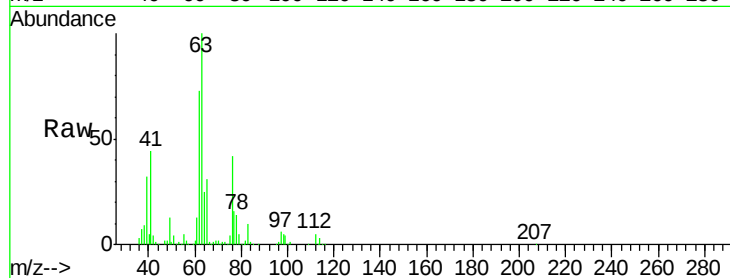
65 30.9 24.2 36.2

Manual Integrations

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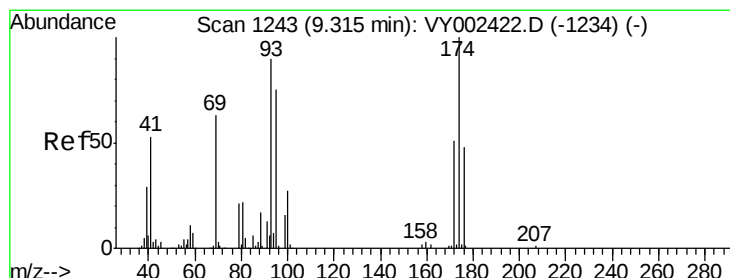
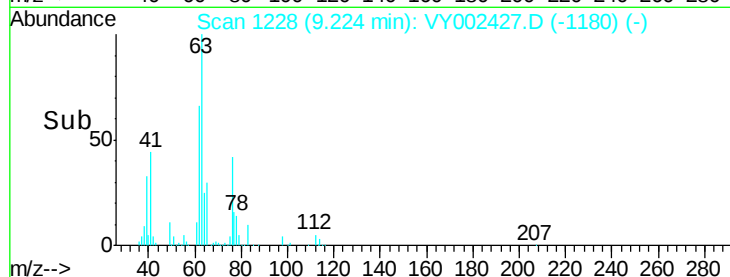
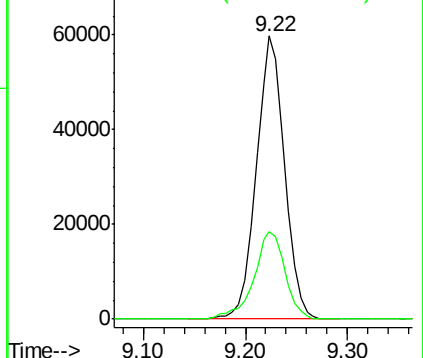
MMDadoda

4/22/2020 11:44:20 AM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 48.187 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

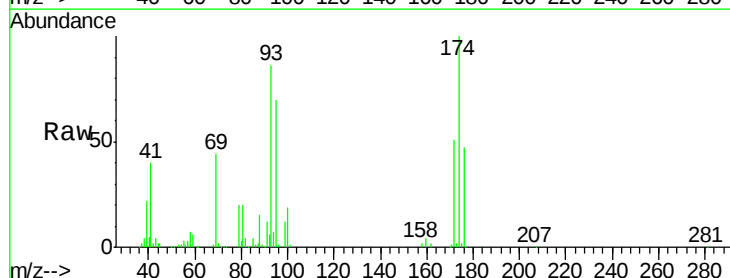
Tgt Ion: 93 Resp: 68701

Ion Ratio Lower Upper

93 100

95 84.0 67.5 101.3

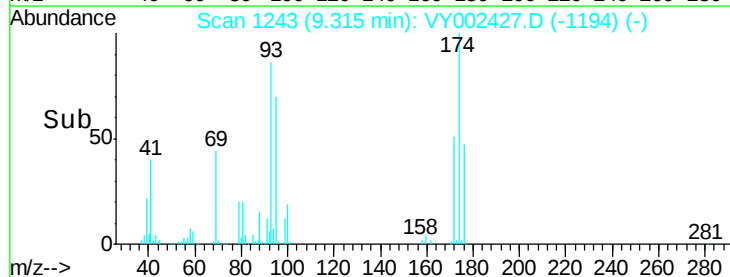
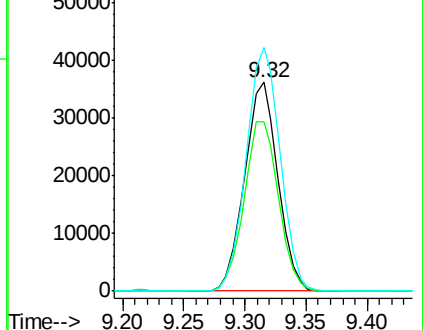
174 118.9 94.5 141.7

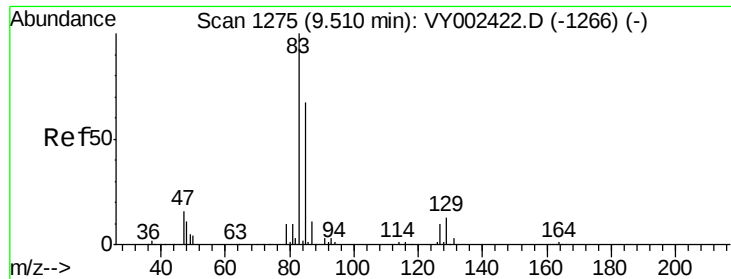


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





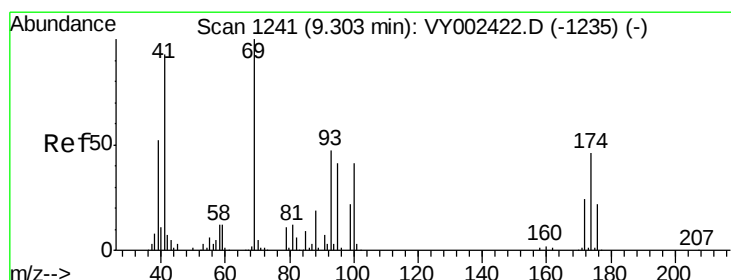
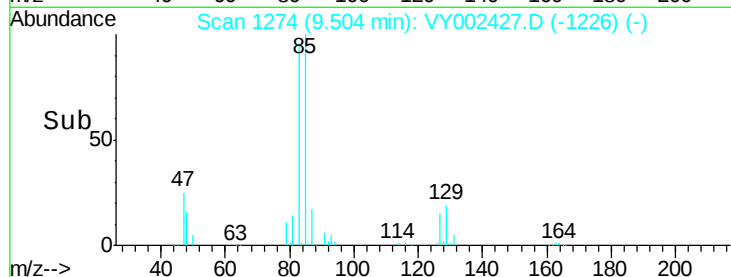
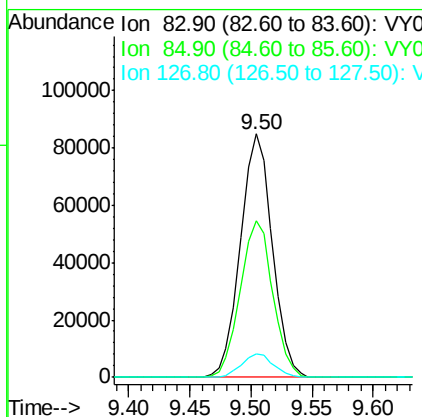
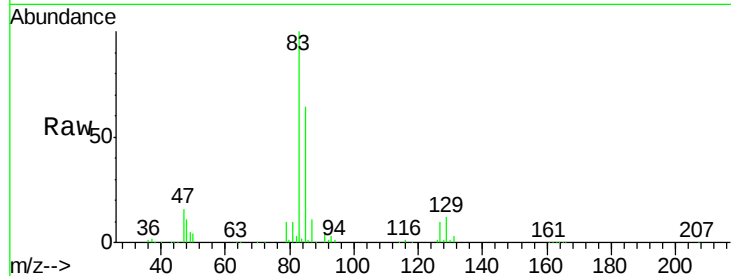
#47
Bromodichloromethane
Concen: 47.572 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.1	53.4	80.2	
127	9.7	7.8	11.6	

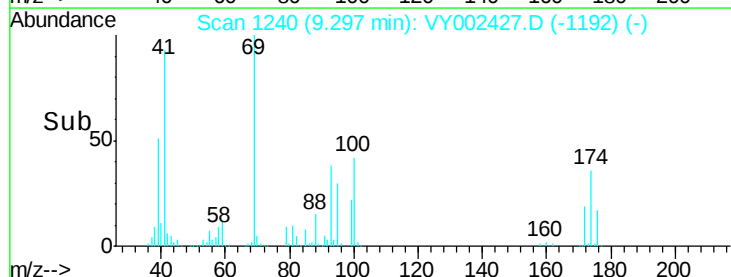
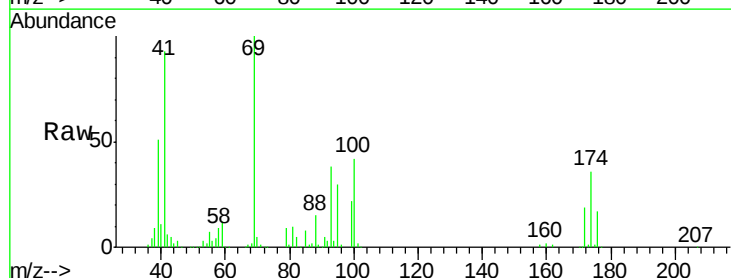
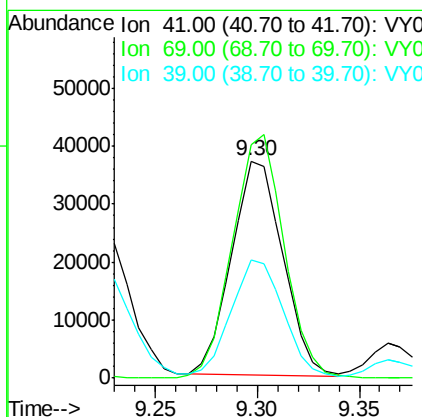
Manual Integrations
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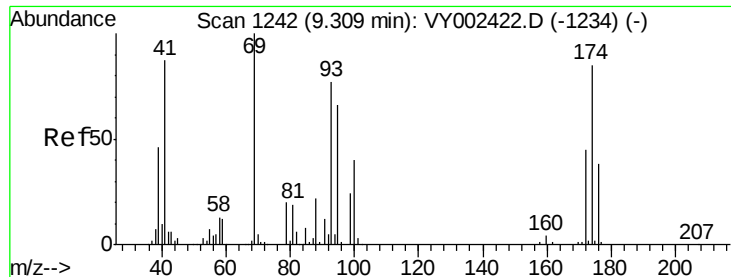
MMDadoda
4/22/2020 11:44:20 AM



#48
Methyl methacrylate
Concen: 47.489 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	115.0	87.9	131.9	
39	55.1	43.5	65.3	





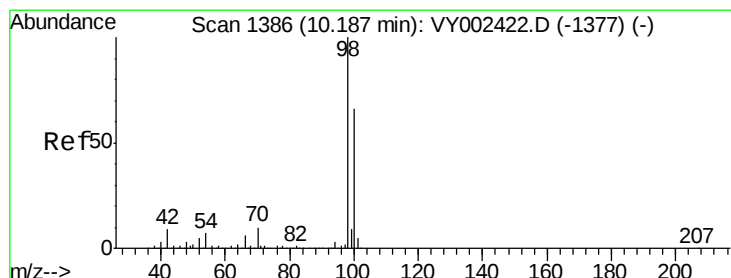
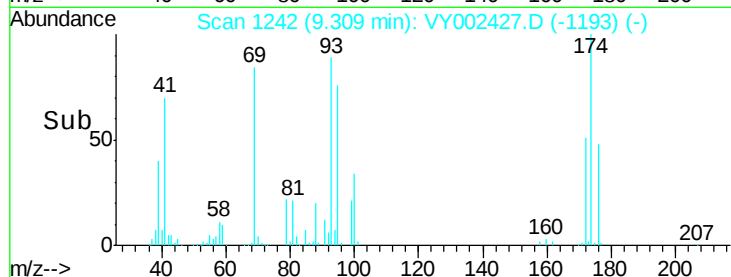
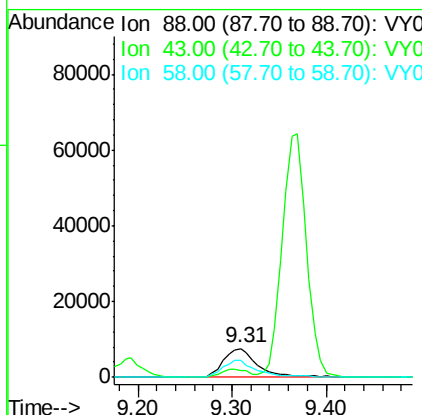
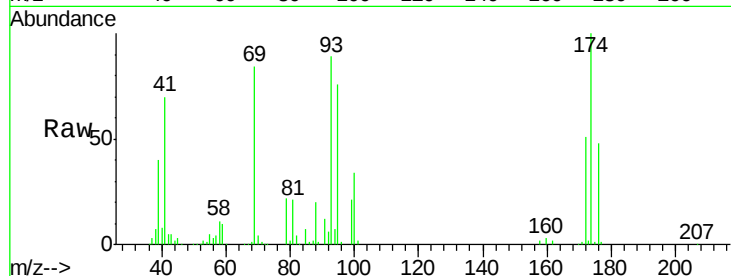
#49
1,4-Dioxane
Concen: 909.085 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19108
Ion	Ratio	Lower	Upper
88	100		
43	22.9	19.0	28.6
58	62.8	44.8	67.2

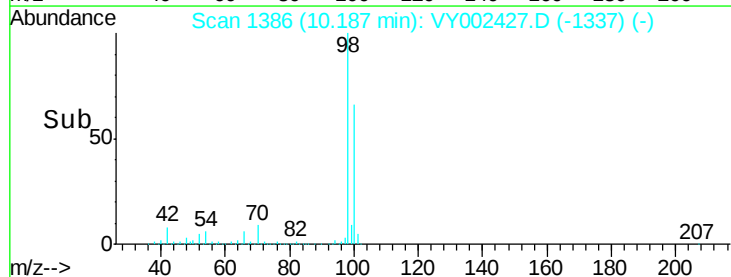
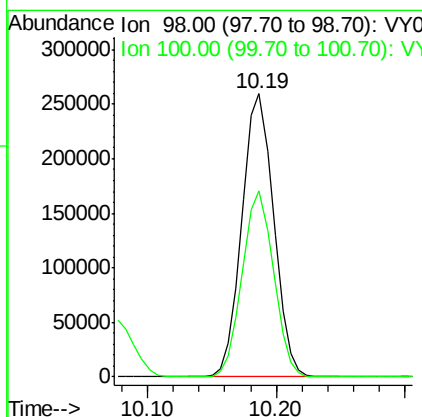
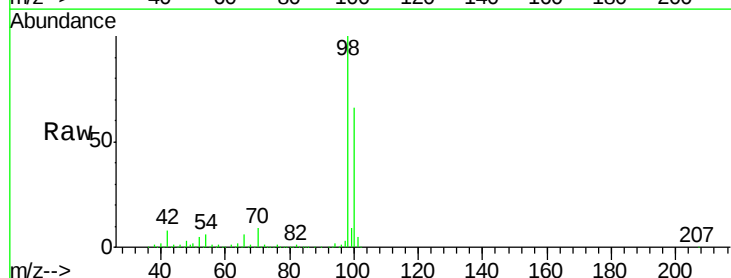
Manual Integrations
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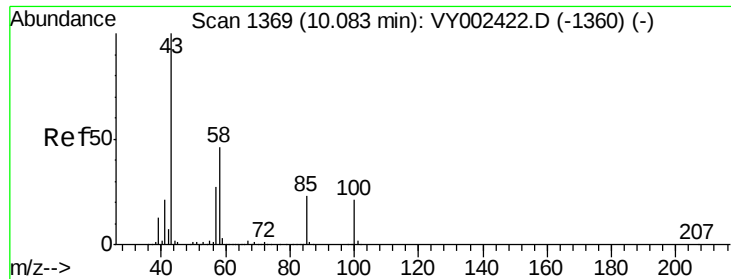
MMDadoda
4/22/2020 11:44:20 AM



#50
Toluene-d8
Concen: 48.219 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	98	Resp	442981
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





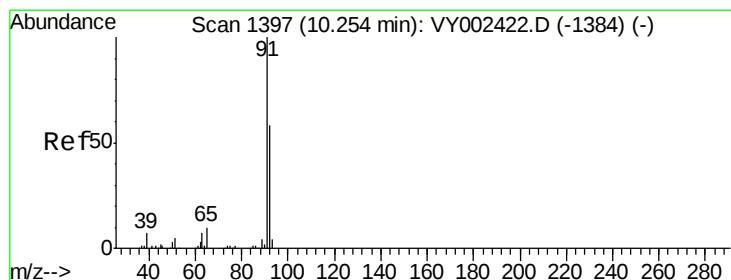
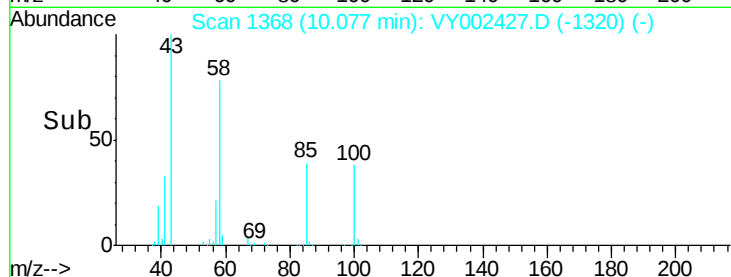
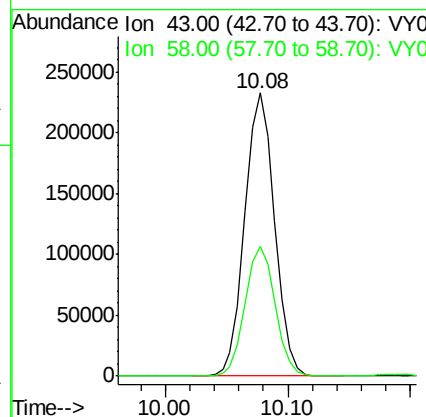
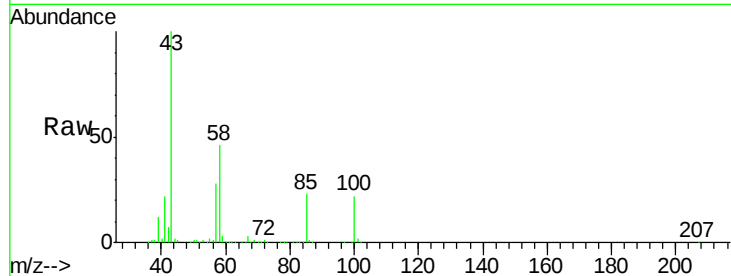
#51
4-Methyl-2-Pentanone
Concen: 249.189 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 394355
Ion Ratio Lower Upper
43 100
58 46.0 36.8 55.2

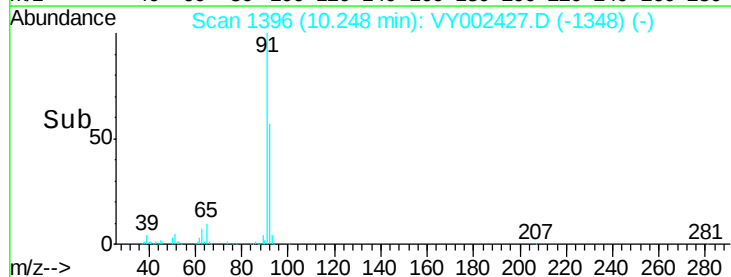
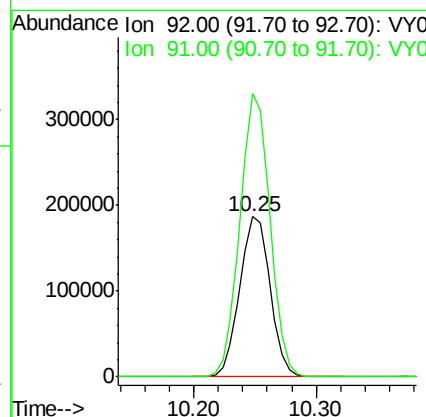
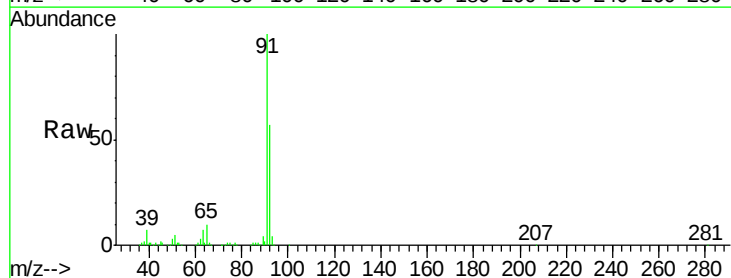
Manual Integrations
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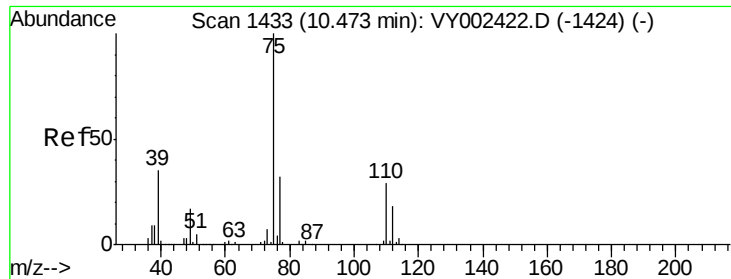
MMDadoda
4/22/2020 11:44:20 AM



#52
Toluene
Concen: 47.359 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion: 92 Resp: 320540
Ion Ratio Lower Upper
92 100
91 175.4 139.3 208.9





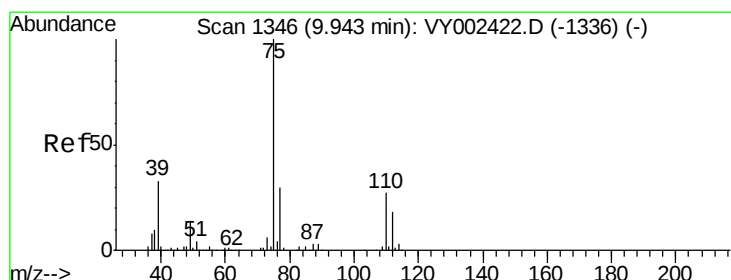
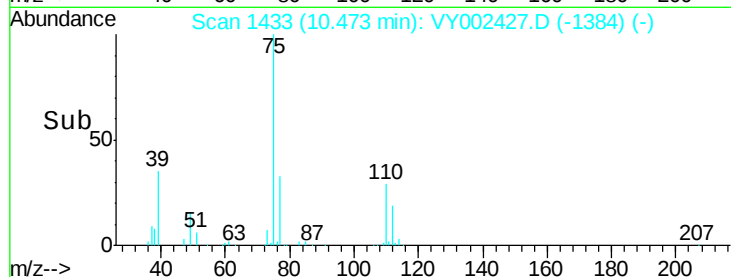
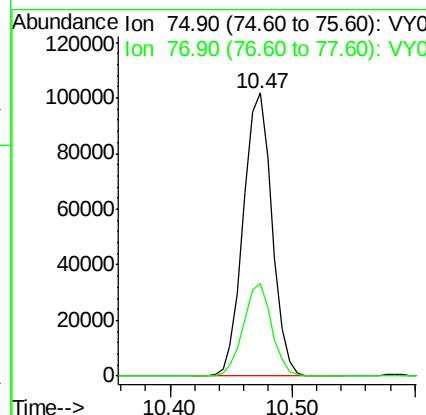
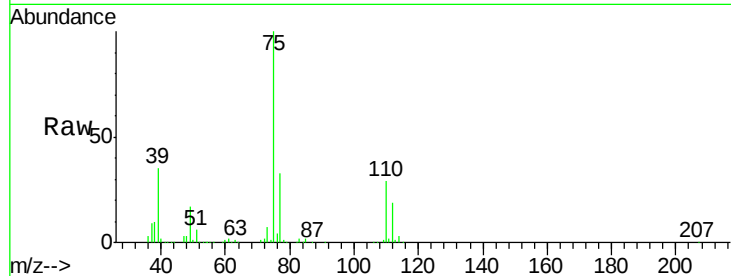
#53
 t-1,3-Dichloropropene
 Concen: 47.747 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 165182
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8

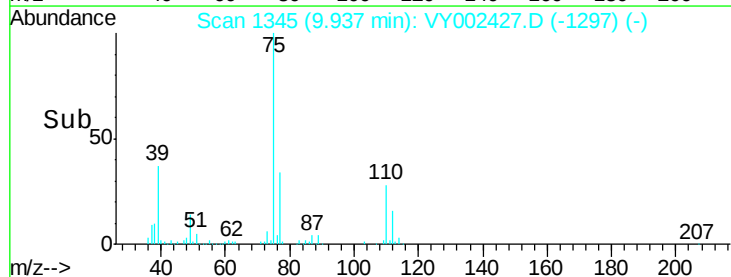
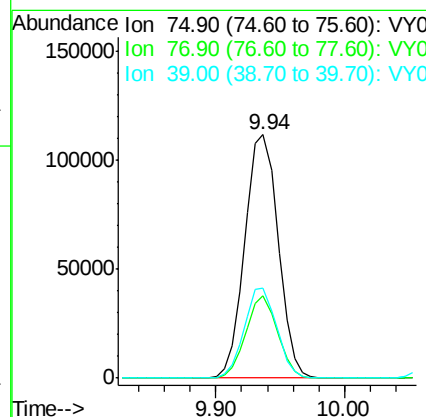
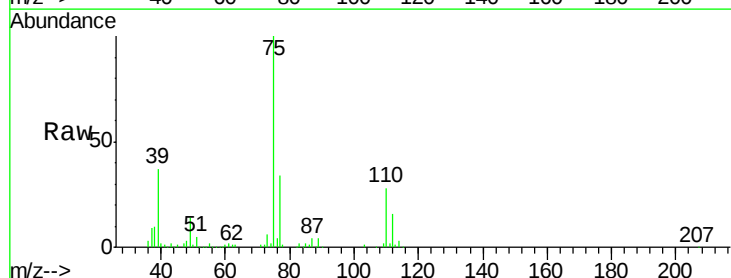
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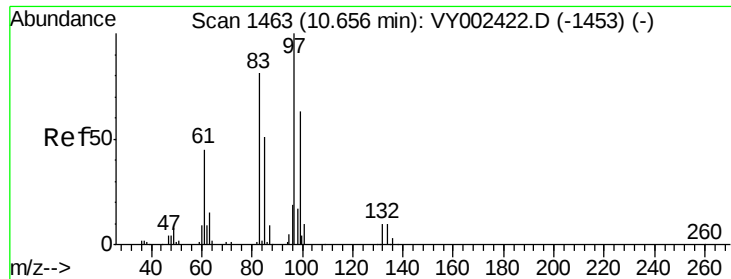
MMDadoda
 4/22/2020 11:44:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.659 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion: 75 Resp: 200214
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.2 36.4
 39 37.0 26.6 40.0





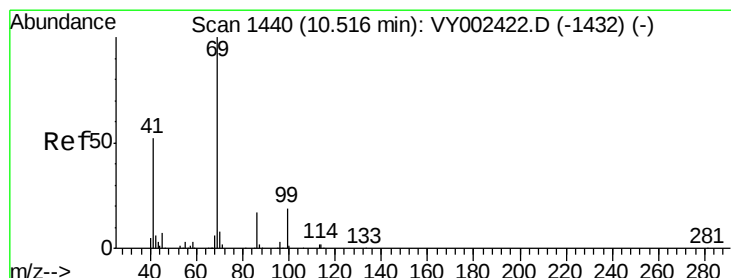
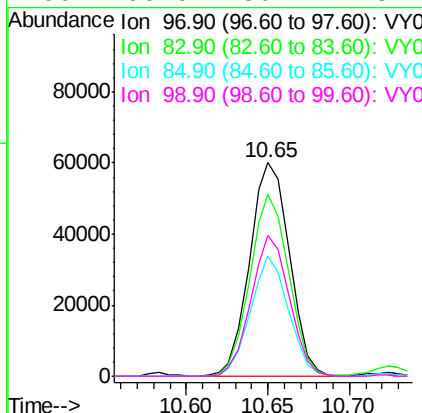
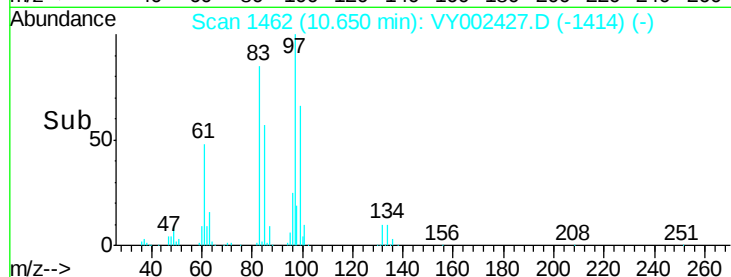
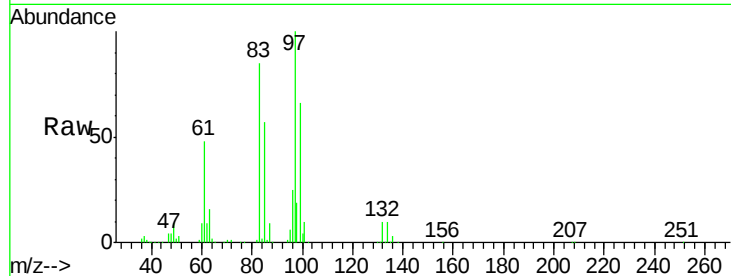
#55
 1,1,2-Trichloroethane
 Concen: 47.819 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		102257		
83	85.1	64.6	96.8		
85	56.6	41.1	61.7		
99	66.0	50.2	75.2		

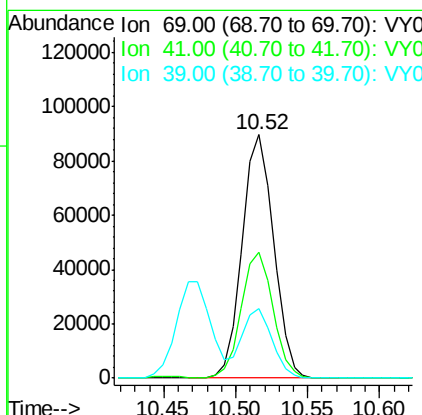
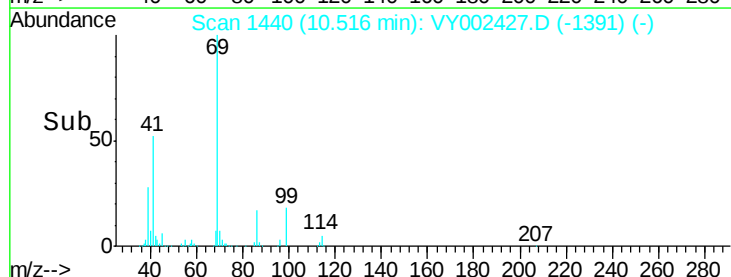
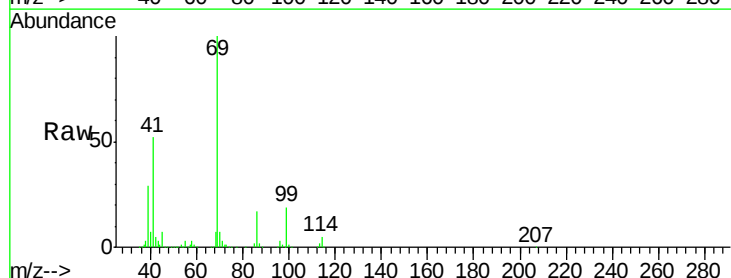
Manual Integrations
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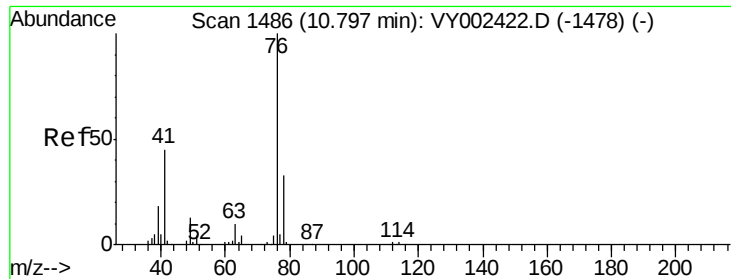
MMDadoda
 4/22/2020 11:44:20 AM



#56
 Ethyl methacrylate
 Concen: 49.525 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		136407		
41	52.4	42.0	63.0		
39	27.9	21.2	31.8		





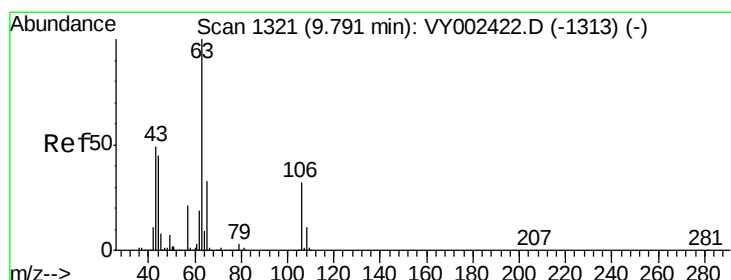
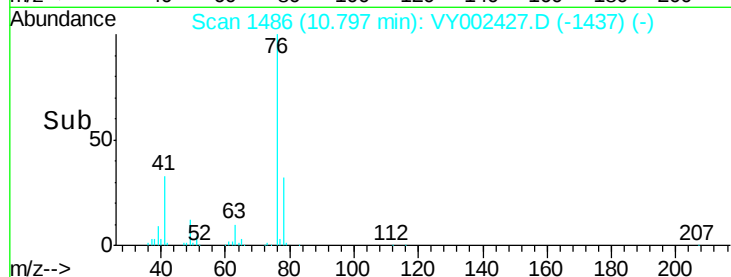
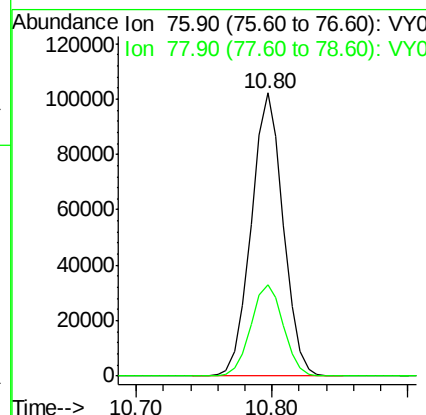
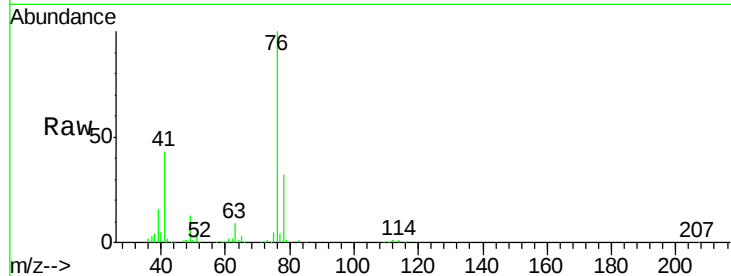
#57
 1,3-Dichloropropane
 Concen: 47.924 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 167770
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

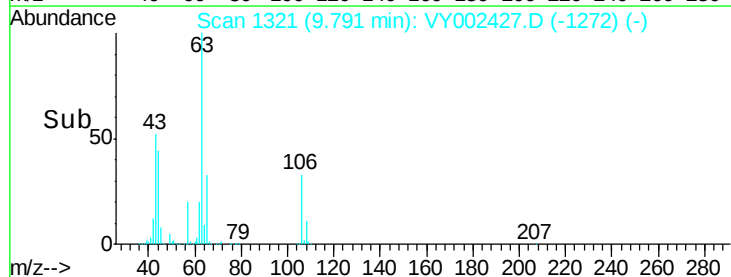
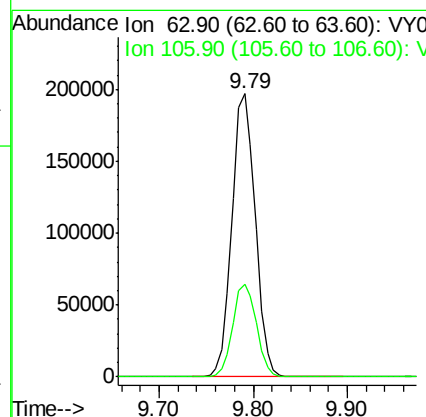
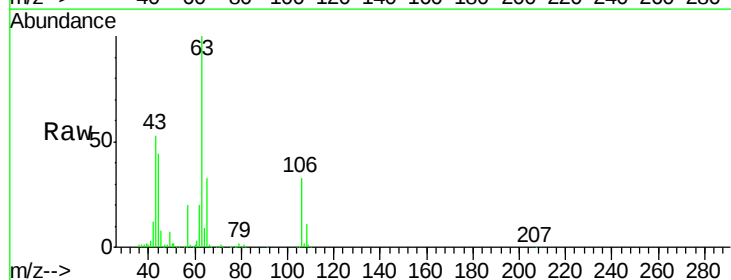
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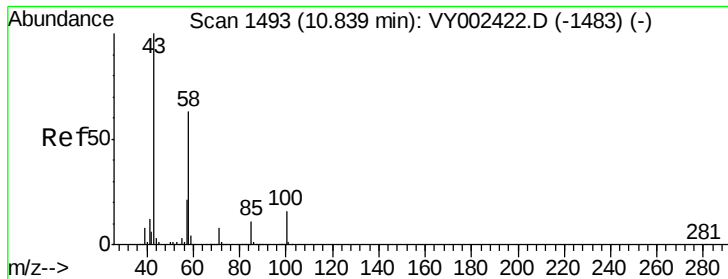
MMDadoda
 4/22/2020 11:44:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.117 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion: 63 Resp: 338531
 Ion Ratio Lower Upper
 63 100
 106 33.0 26.2 39.4





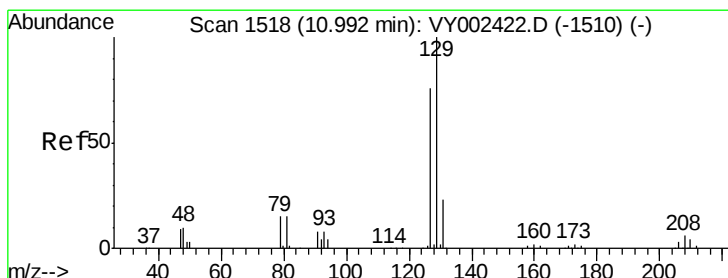
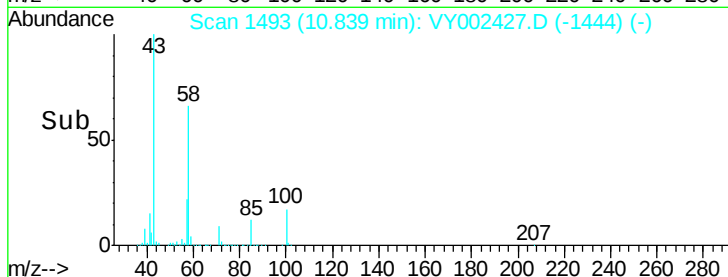
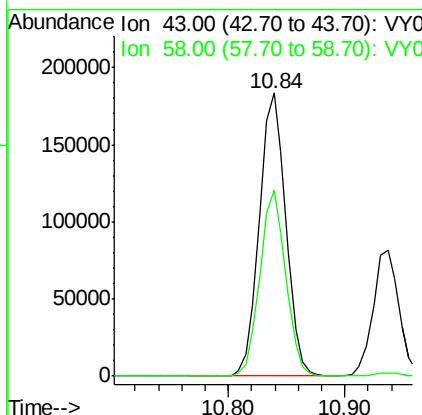
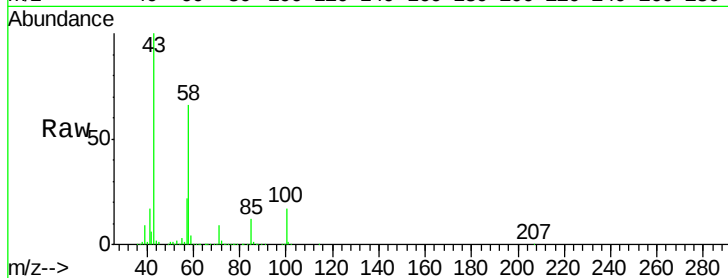
#59
2-Hexanone
Concen: 257.748 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	289499
Ion Ratio	100	Lower	Upper
43	100		
58	64.0	32.5	97.4

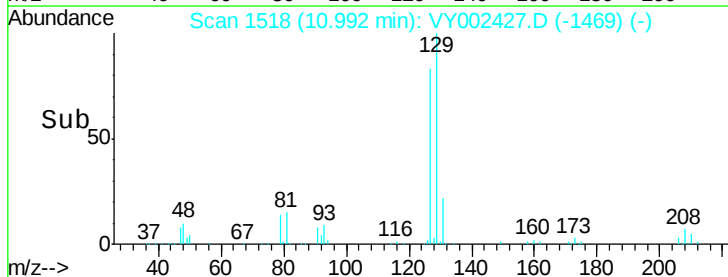
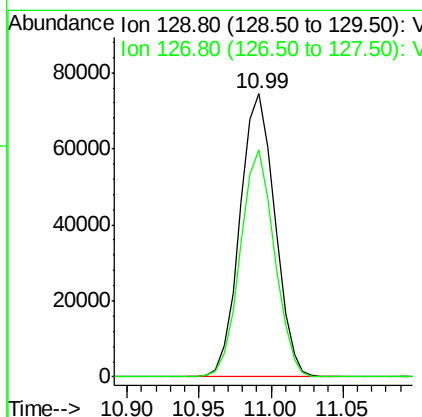
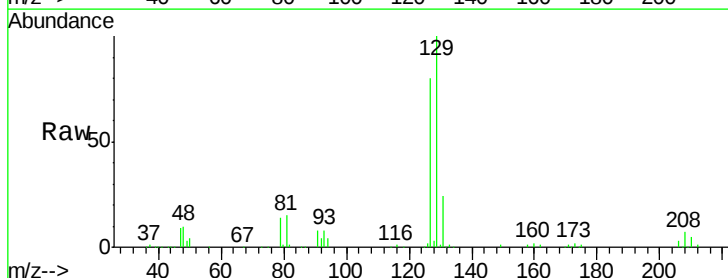
Manual Integrations
APPROVED

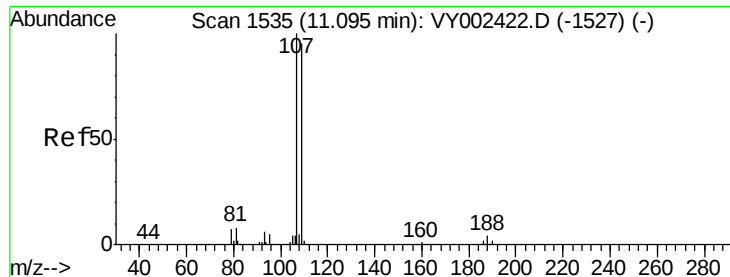
MMDadoda
4/22/2020 11:44:20 AM



#60
Dibromochloromethane
Concen: 48.674 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	129	Resp	125366
Ion Ratio	100	Lower	Upper
129	100		
127	78.2	38.6	115.7





#61

1,2-Dibromoethane

Concen: 48.673 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 101548

Ion Ratio Lower Upper

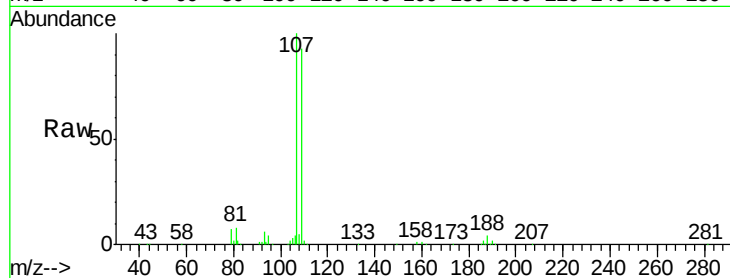
107 100

109 93.6 76.4 114.6

Manual Integrations
APPROVED

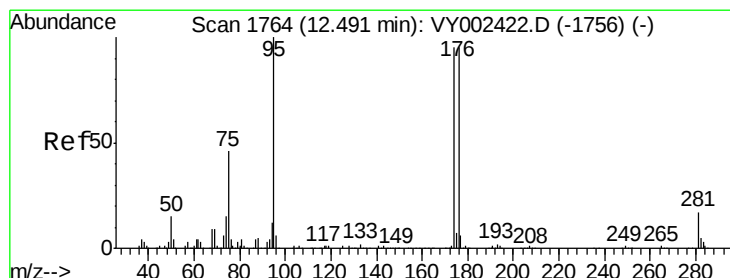
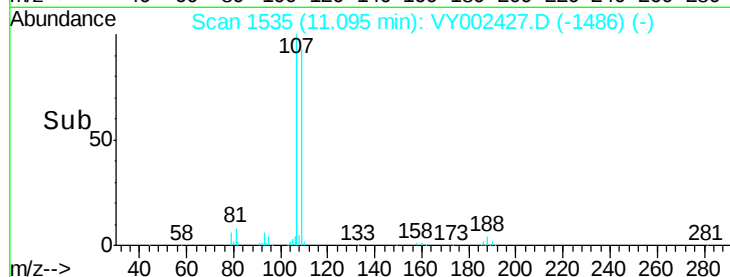
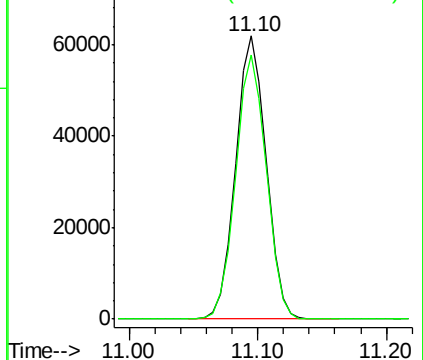
MMDadoda

4/22/2020 11:44:20 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.835 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

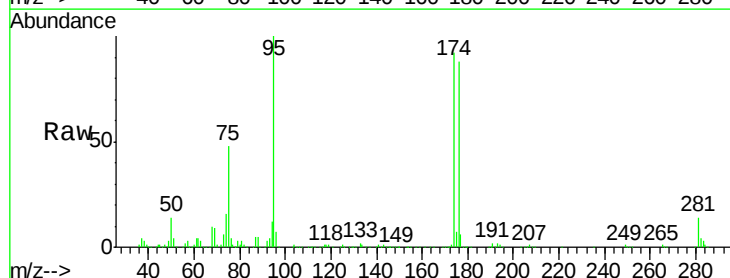
Tgt Ion: 95 Resp: 145092

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.8

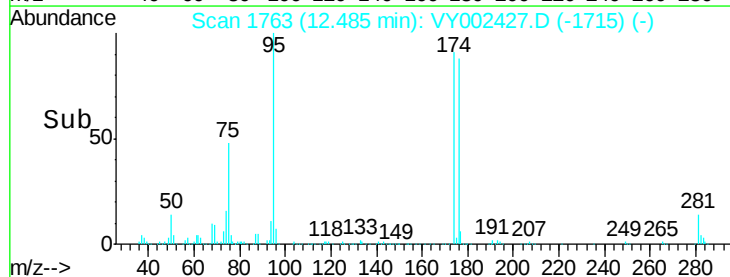
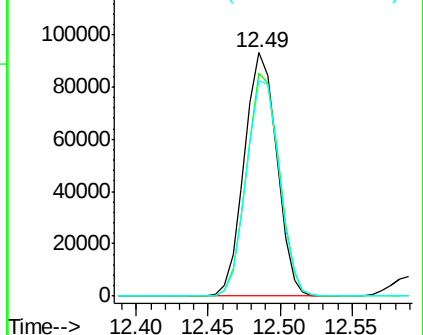
176 90.3 0.0 181.2

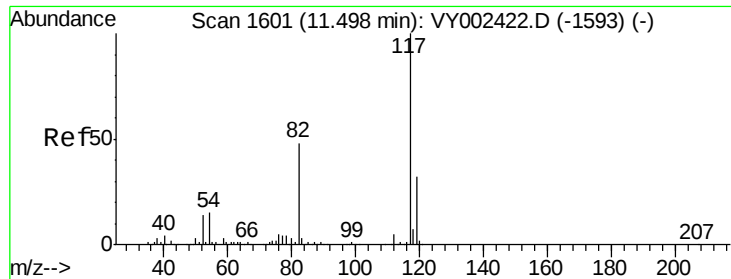


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





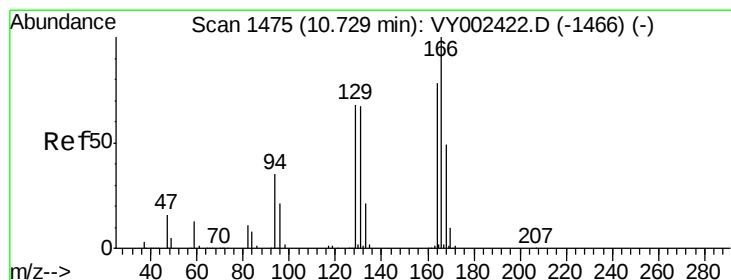
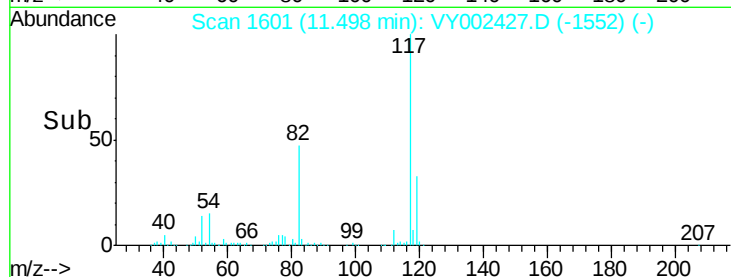
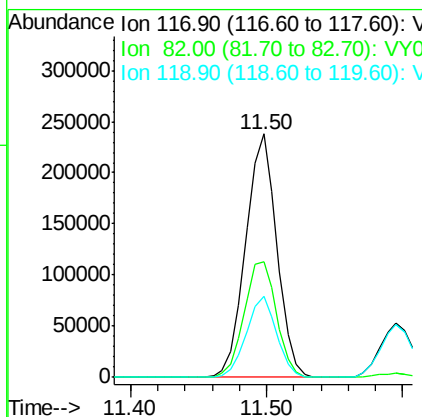
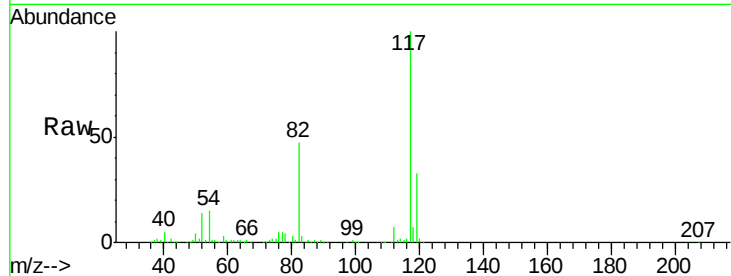
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	380891		
82	47.3		38.4	57.6
119	33.1		25.3	37.9

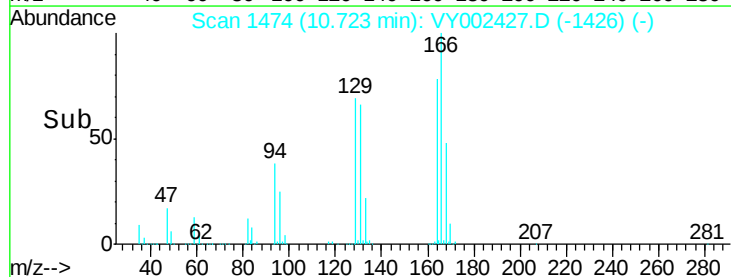
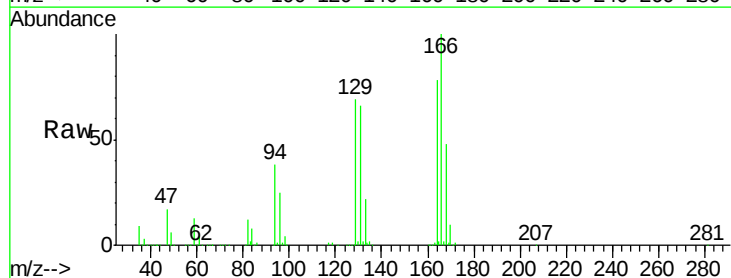
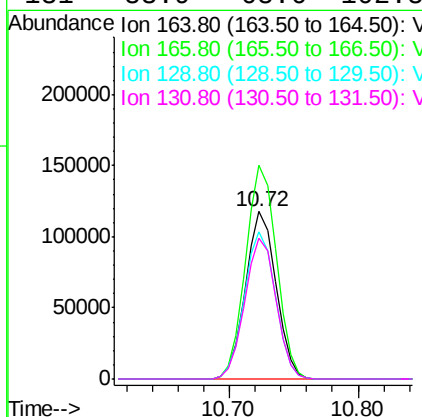
Manual Integrations
APPROVED

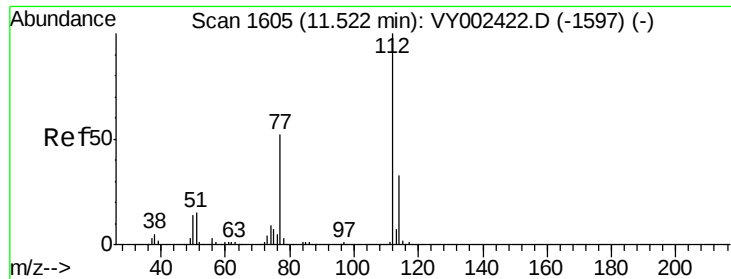
MMDadoda
4/22/2020 11:44:20 AM



#64
Tetrachloroethene
Concen: 47.590 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193387		
166	127.5		102.4	153.6
129	87.5		70.1	105.1
131	83.9		68.6	102.8





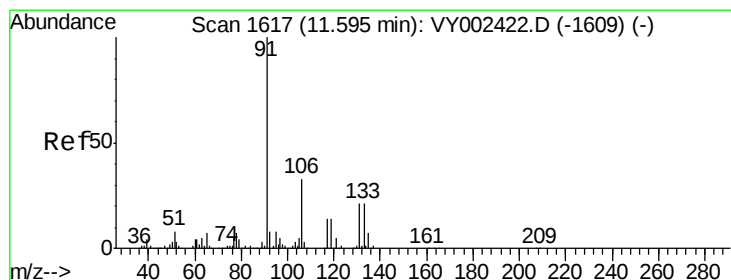
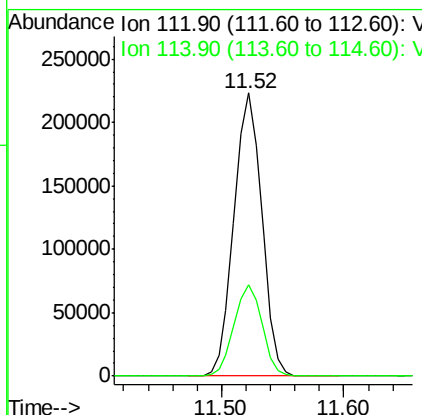
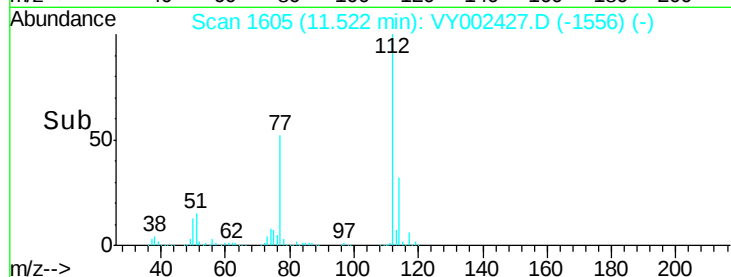
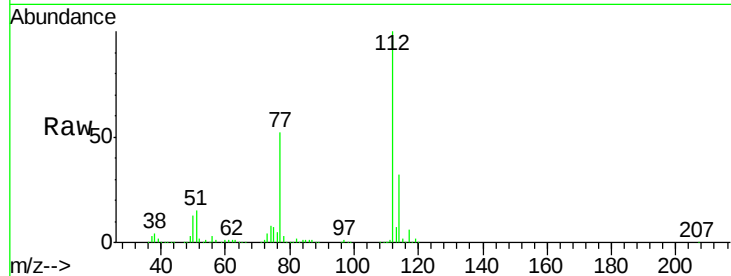
#65
Chlorobenzene
Concen: 48.163 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 351925
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7

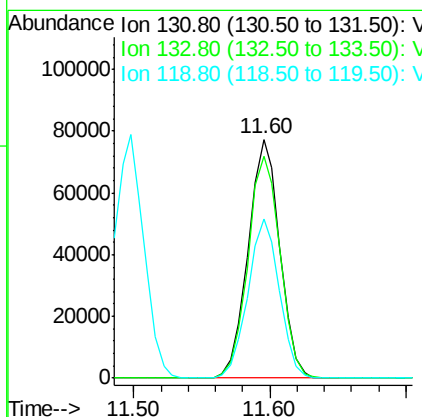
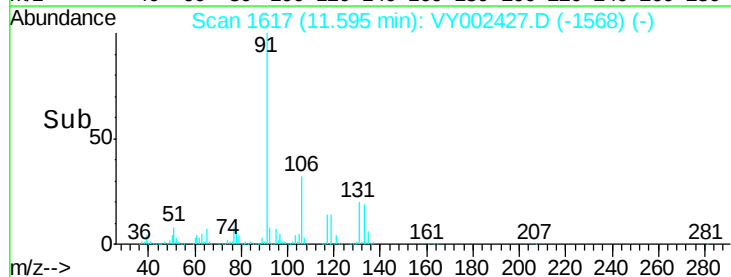
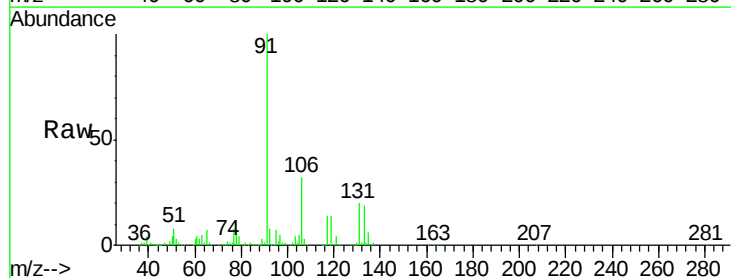
Manual Integrations
APPROVED

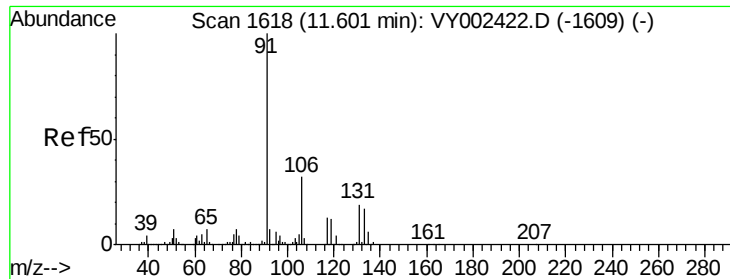
MMDadoda
4/22/2020 11:44:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.734 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion:131 Resp: 125628
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 66.7 33.5 100.4





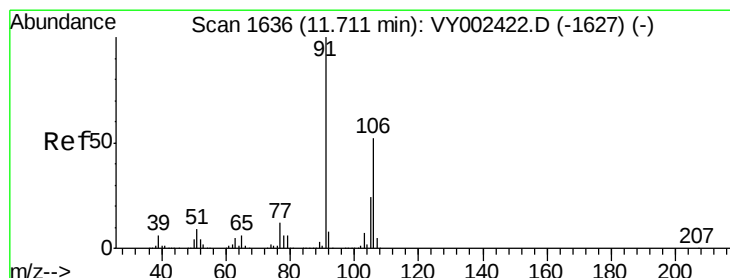
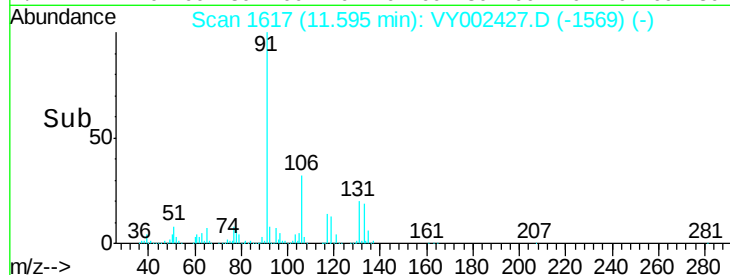
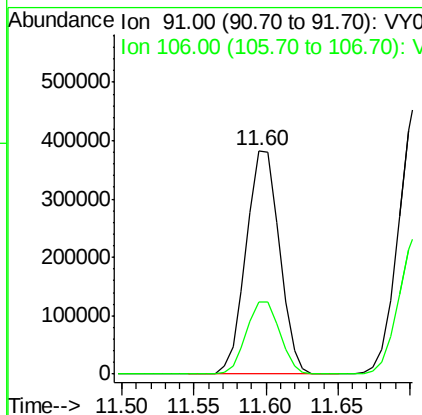
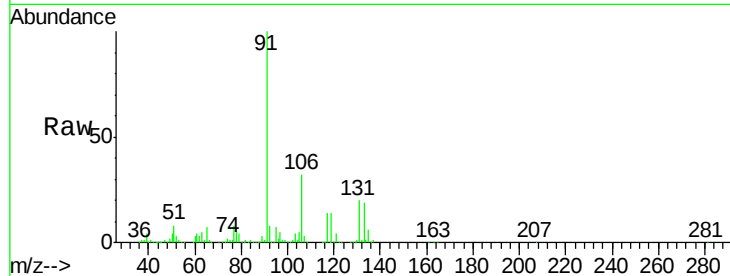
#67
Ethyl Benzene
Concen: 48.620 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 614438
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8

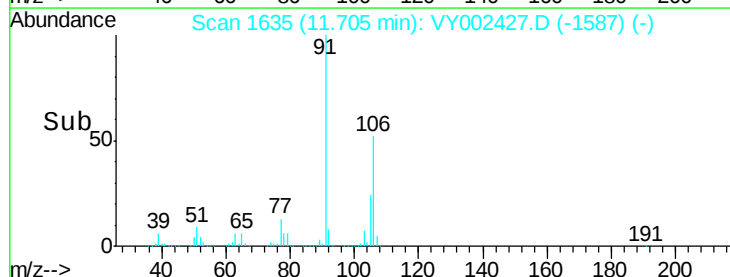
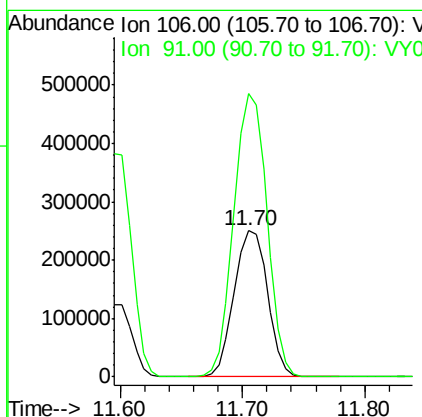
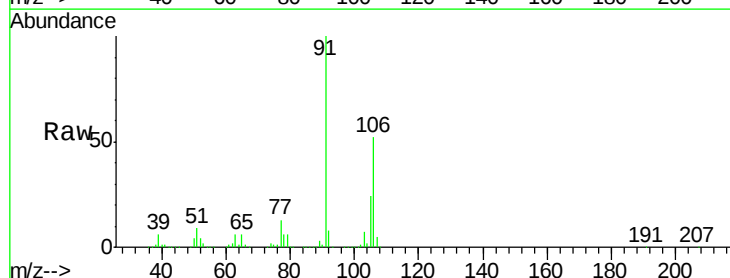
Manual Integrations
APPROVED

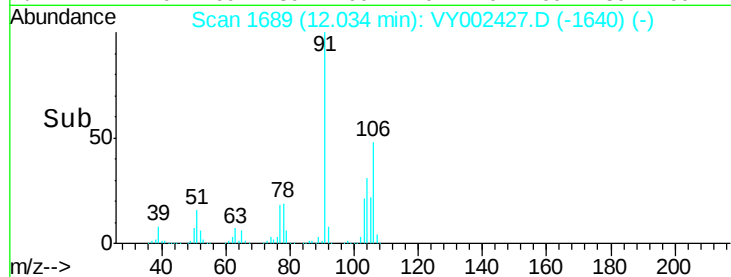
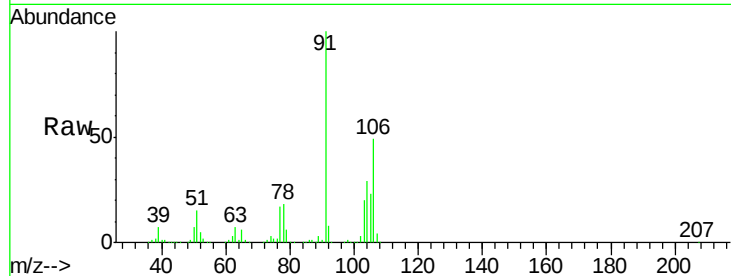
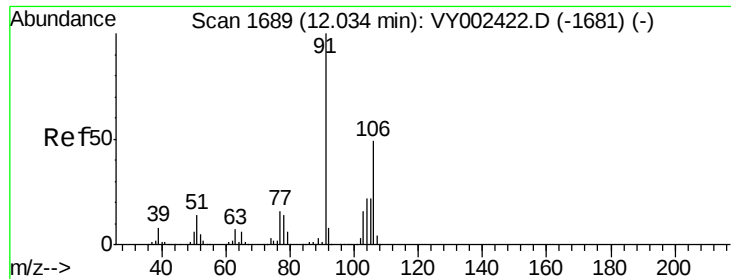
MMDadoda
4/22/2020 11:44:20 AM



#68
m/p-Xylenes
Concen: 97.668 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion: 106 Resp: 476998
Ion Ratio Lower Upper
106 100
91 191.5 153.6 230.4





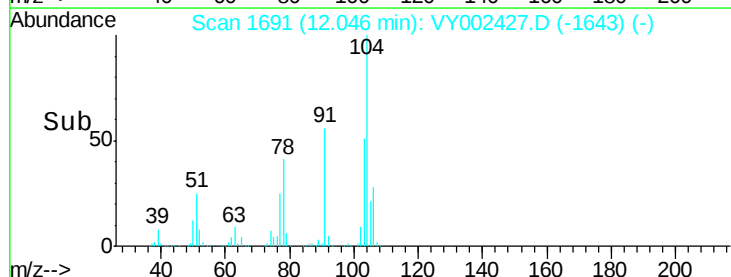
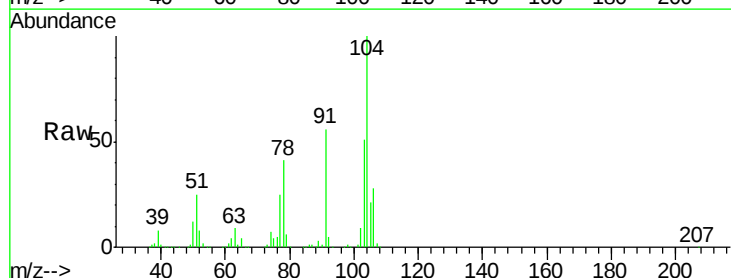
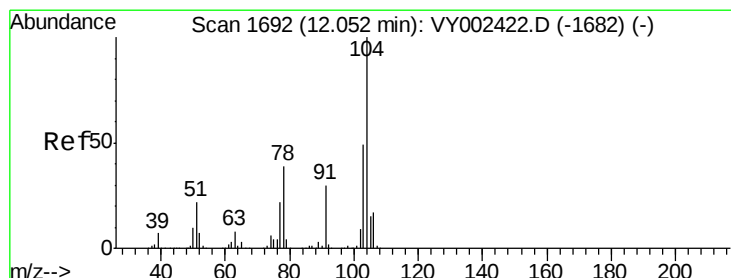
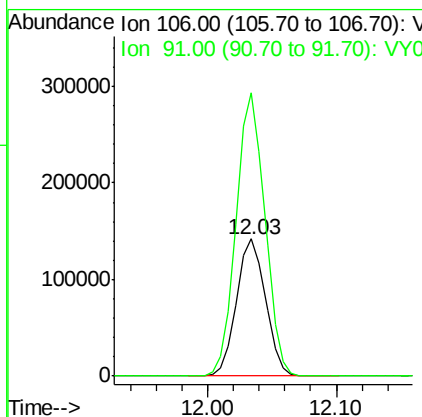
#69
o-Xylene
Concen: 48.493 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tot Ion:106 Resp: 223128
Ion Ratio Lower Upper
106 100
91 203.9 100.4 301.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

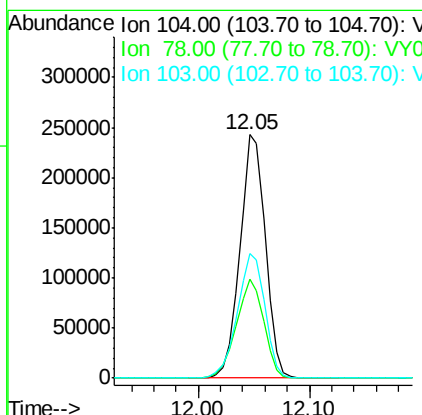
Manual Integrations
APPROVED

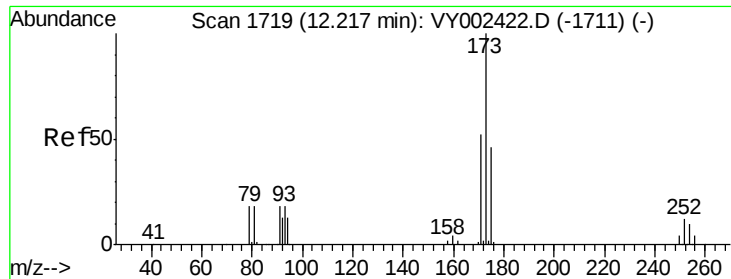
MMDadoda
4/22/2020 11:44:20 AM



#70
Styrene
Concen: 48.613 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion:104 Resp: 382917
Ion Ratio Lower Upper
104 100
78 43.8 34.5 51.7
103 55.3 43.4 65.2





#71

Bromoform

Concen: 50.194 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

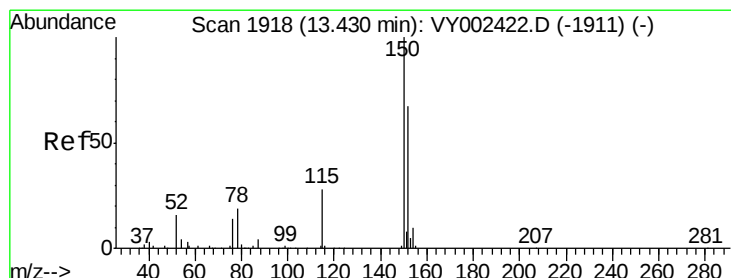
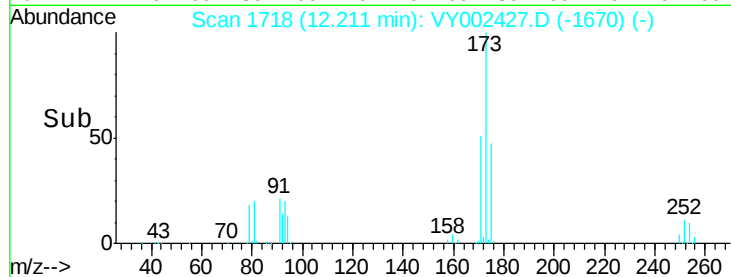
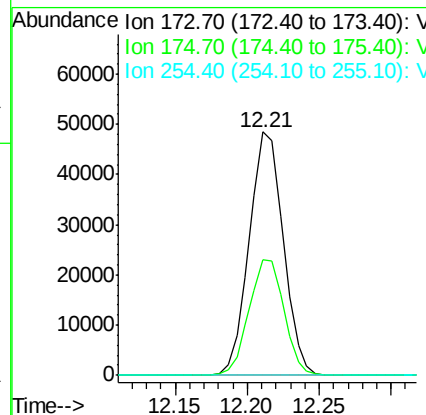
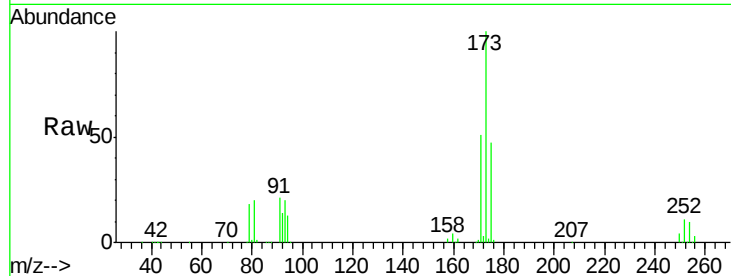
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.0	0.1	0.1

Manual Integrations
APPROVED

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4/22/2020 11:44:20 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

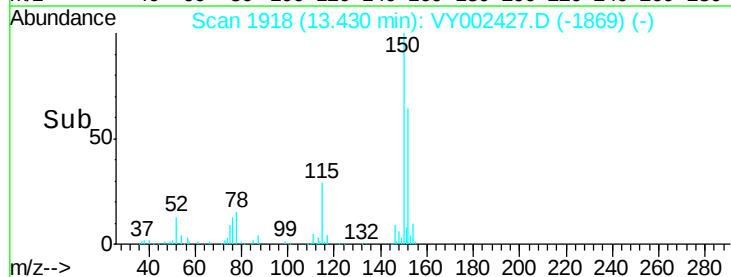
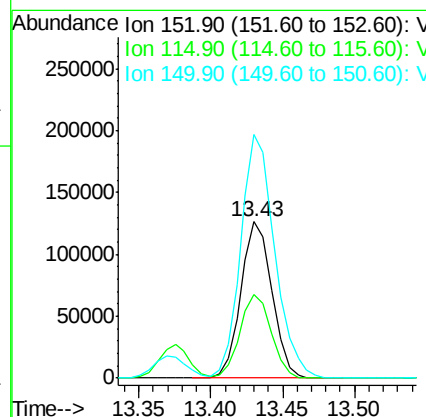
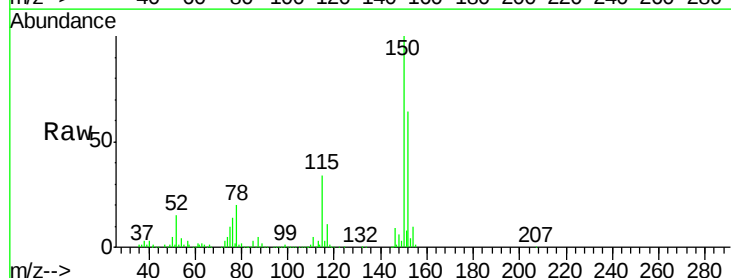
RT: 13.43 min Scan# 1918

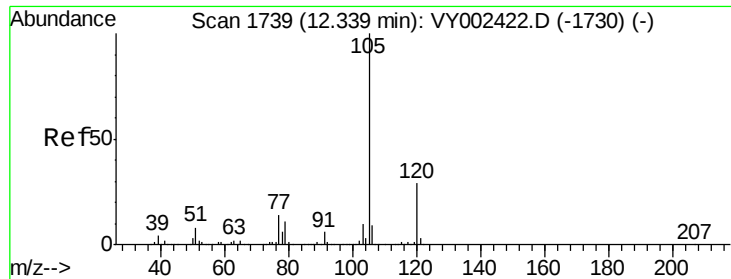
Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.3	81.8
150	170.0	0.0	344.0





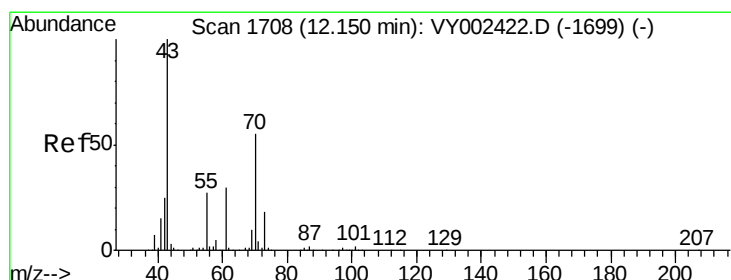
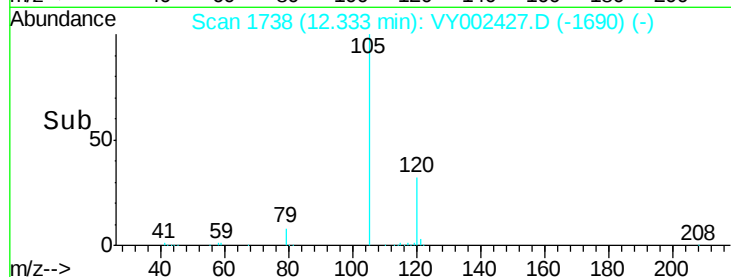
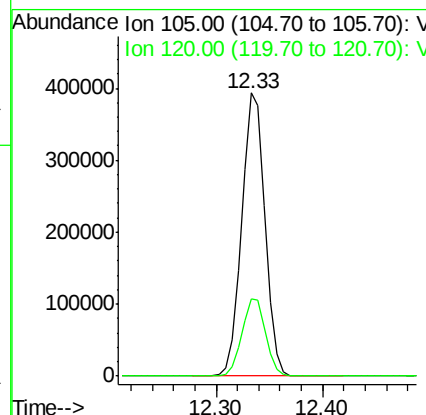
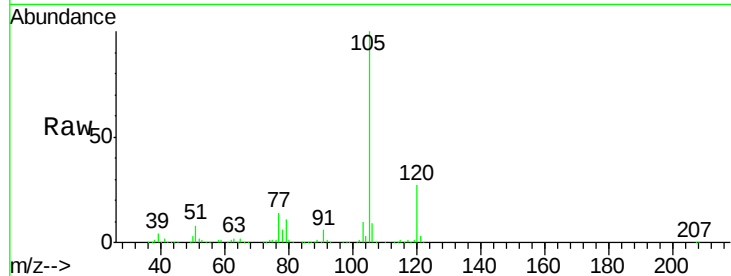
#73
Isopropylbenzene
Concen: 48.367 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7

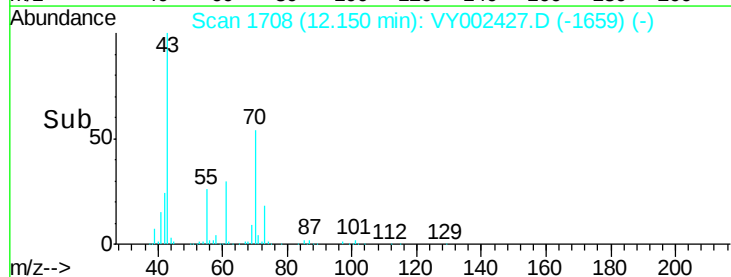
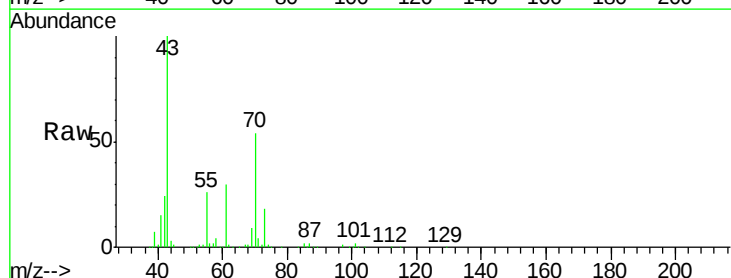
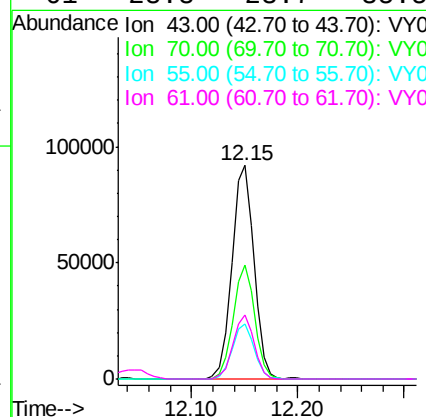
Manual Integrations
APPROVED

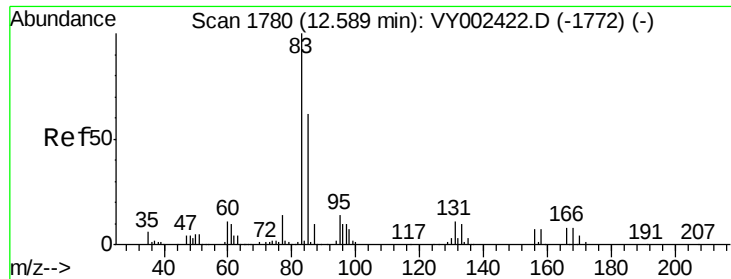
MMDadoda
4/22/2020 11:44:20 AM



#74
N-ethyl acetate
Concen: 49.314 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.1	42.6	63.8
55	25.5	21.0	31.4
61	28.8	23.7	35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.568 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

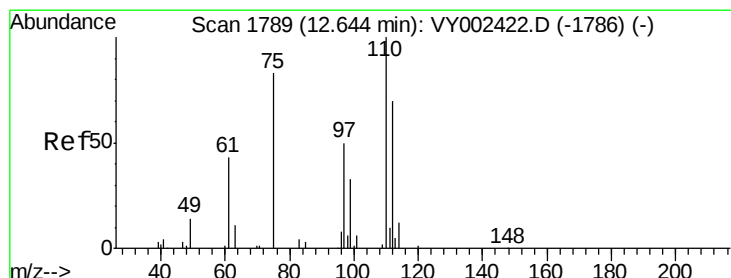
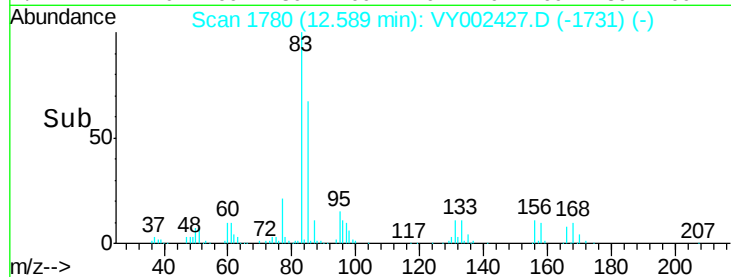
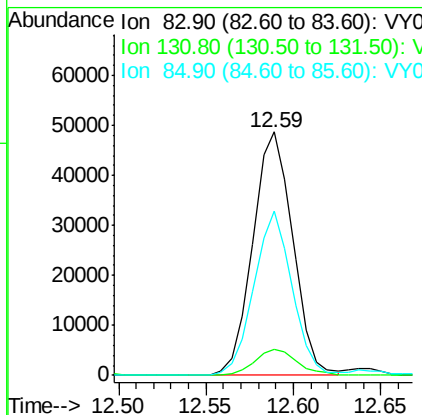
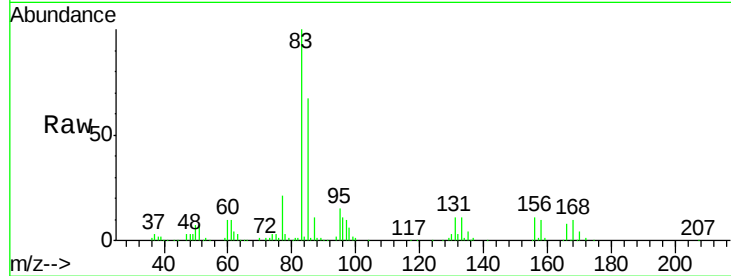
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	77367
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.6
85	64.0	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 47.015 ug/l m

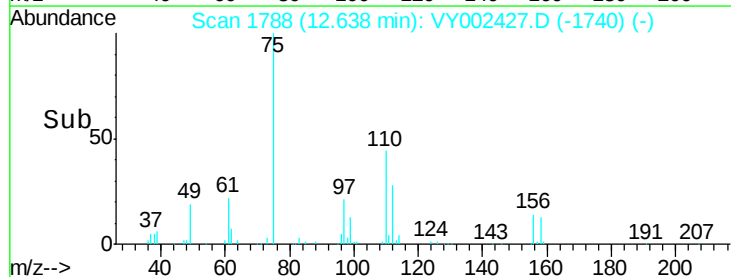
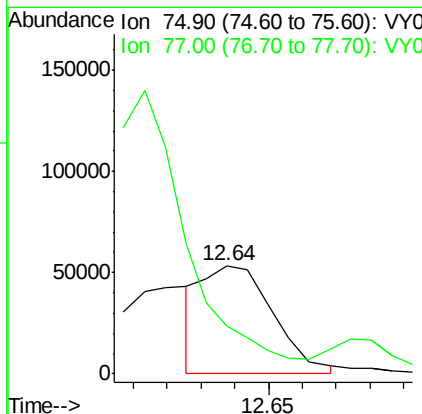
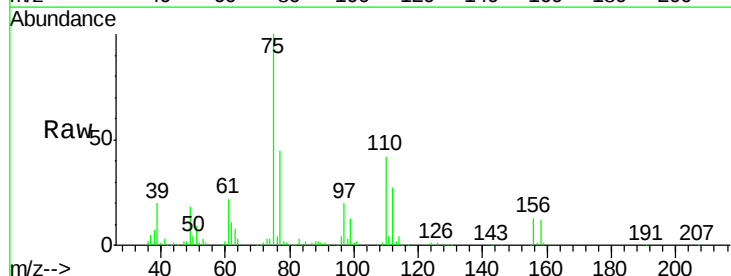
RT: 12.64 min Scan# 1788

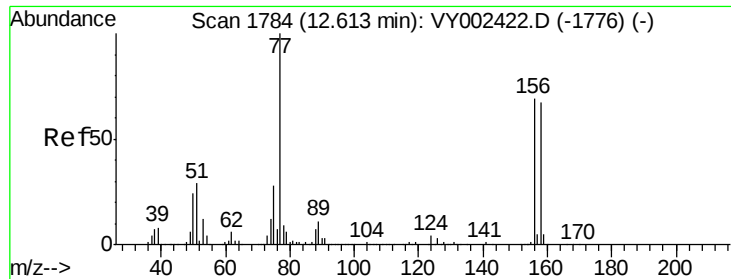
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	75	Resp:	78430
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.587 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

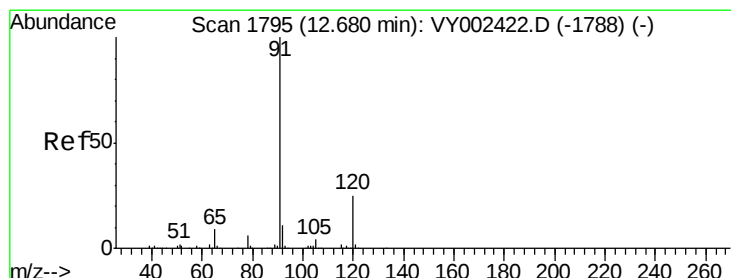
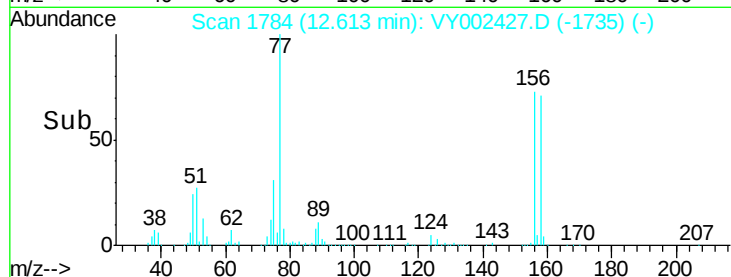
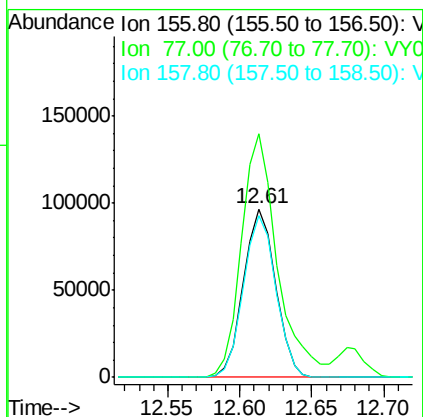
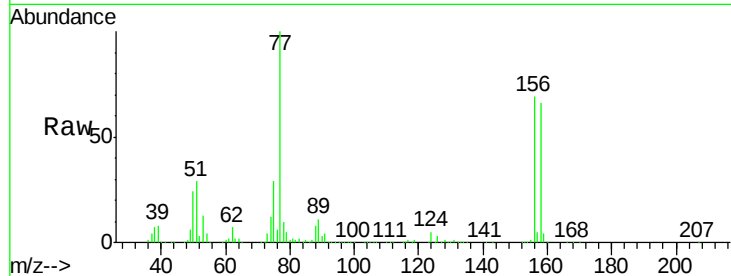
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	148984
Ion Ratio	Lower	Upper	
156	100		
77	163.3	80.2	240.6
158	96.9	48.4	145.0

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#78

n-propylbenzene

Concen: 47.853 ug/l

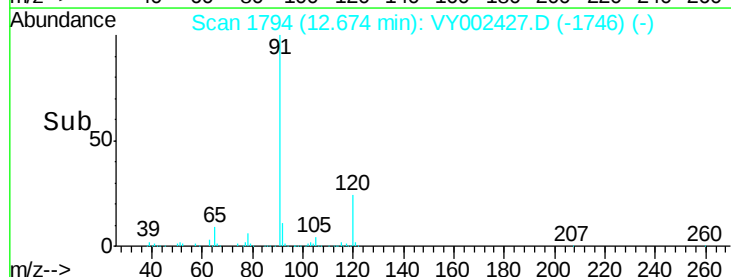
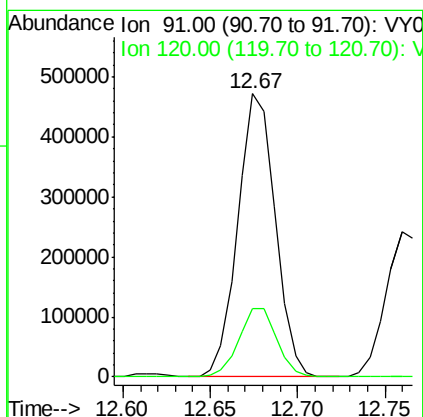
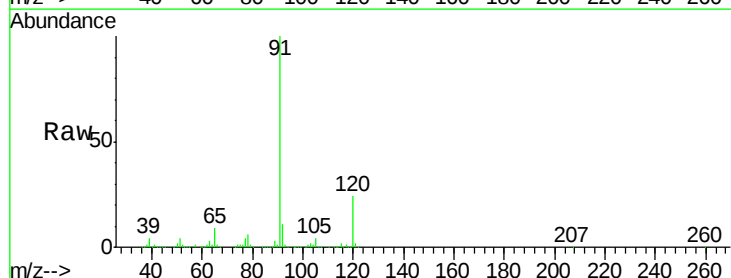
RT: 12.67 min Scan# 1794

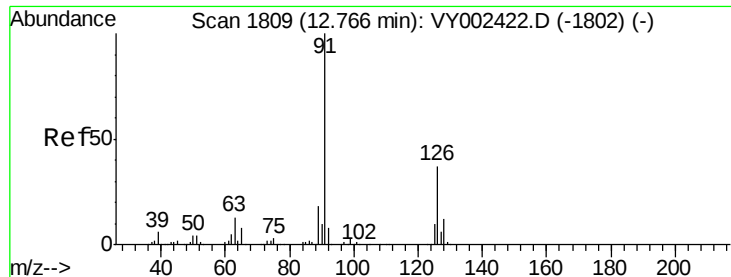
Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Tgt Ion:	91	Resp:	702453
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.614 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 381614

Ion Ratio Lower Upper

91 100

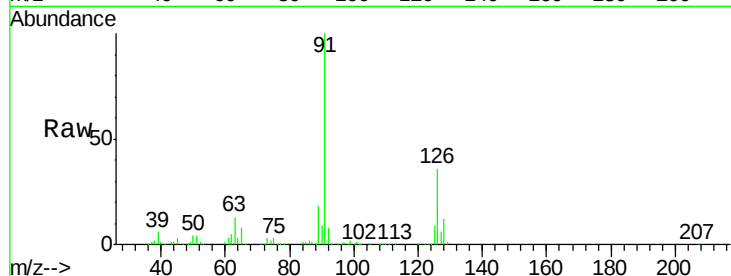
126 37.3 18.8 56.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY002422.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002422.D (-1802) (-)

300000

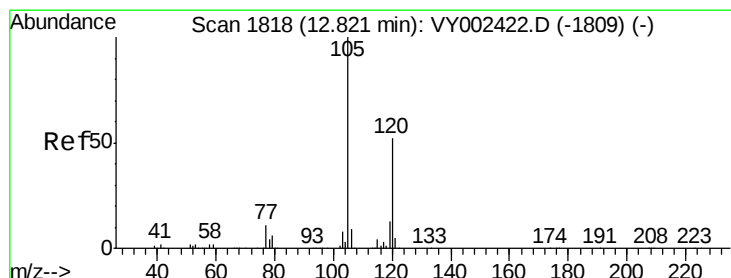
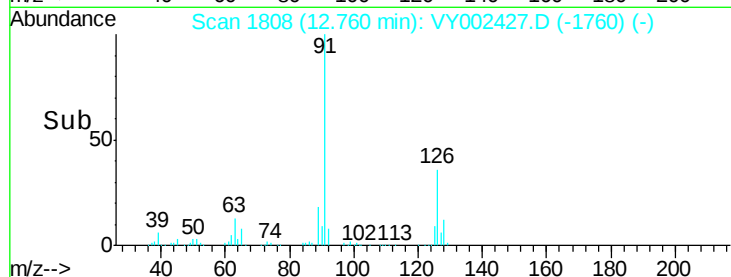
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.079 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002427.D

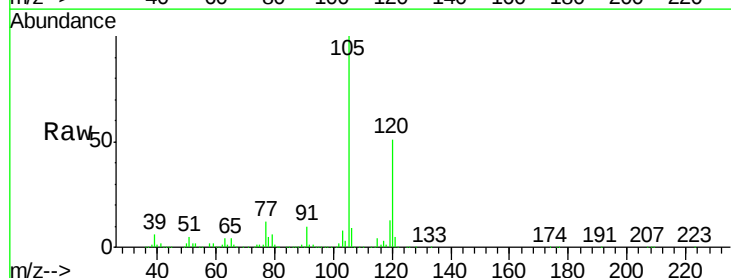
Acq: 21 Apr 2020 11:28

Tgt Ion: 105 Resp: 492655

Ion Ratio Lower Upper

105 100

120 51.2 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): VY002422.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002422.D (-1809) (-)

300000

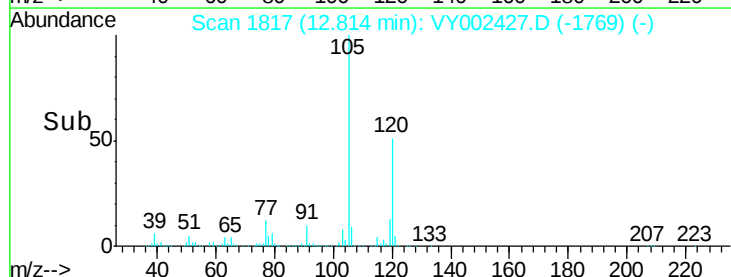
200000

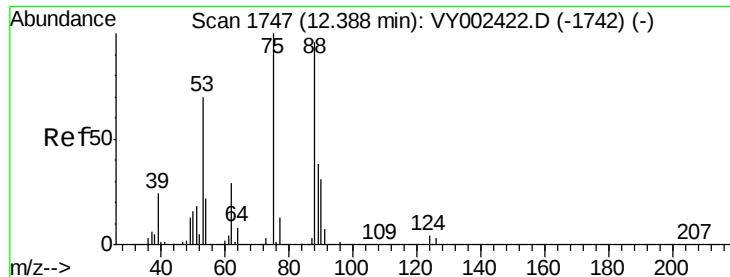
100000

0

12.70 12.80 12.90

Time-->





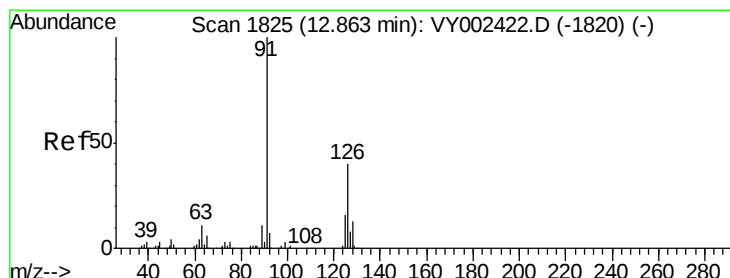
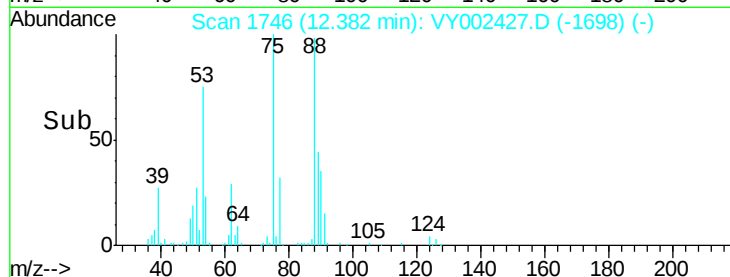
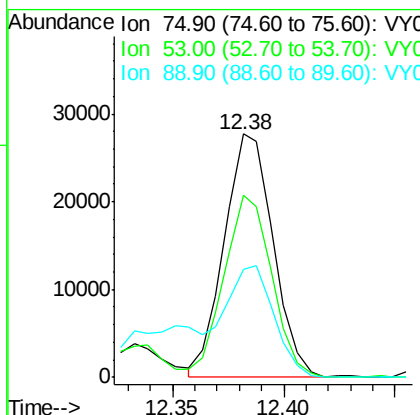
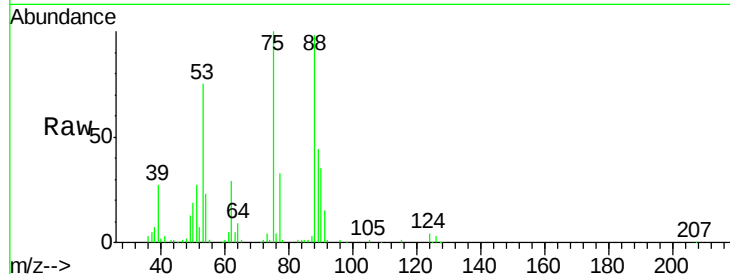
#81
trans-1,4-Dichloro-2-butene
Concen: 49.546 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	73.0	58.7	88.1
89	46.2	37.9	56.9

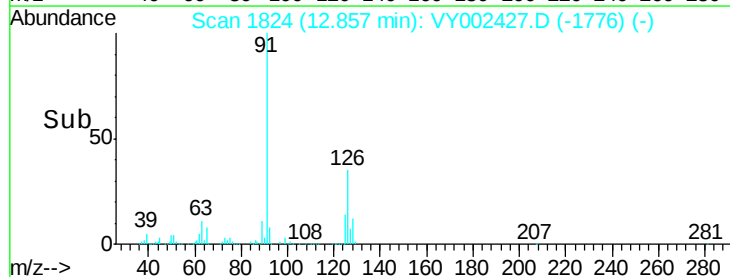
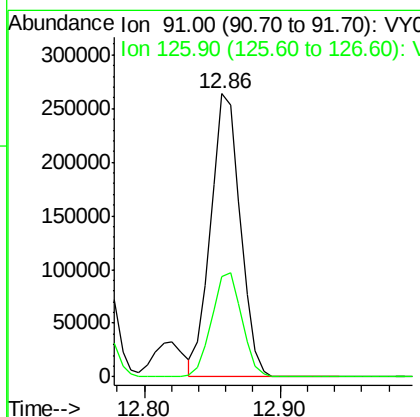
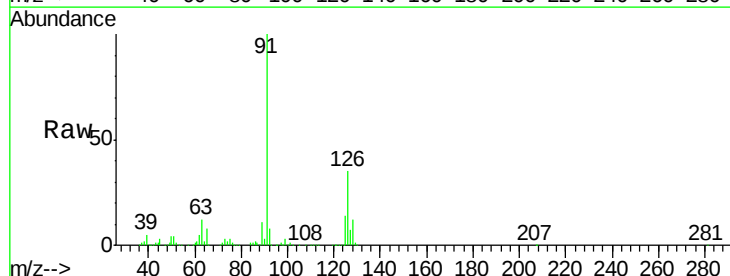
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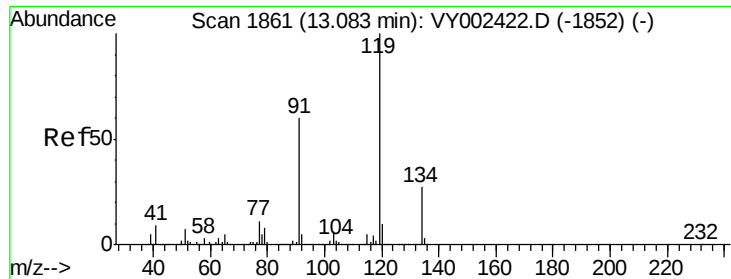
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.237 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	0.0	0.0#





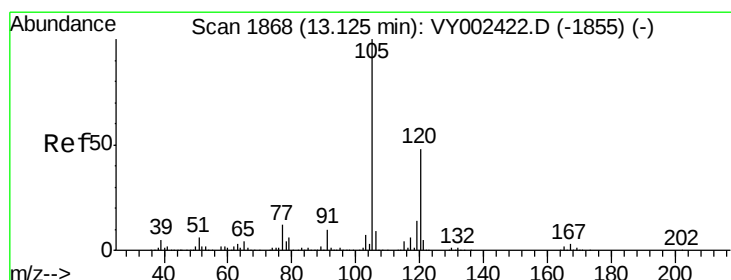
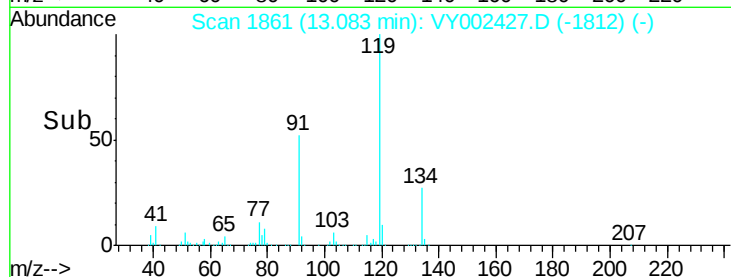
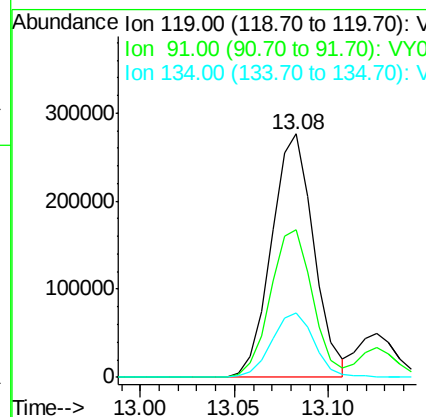
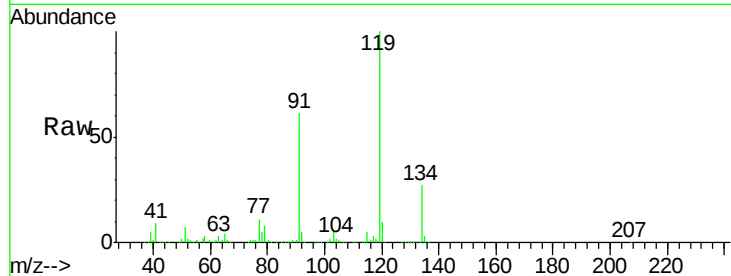
#83
tert-Butylbenzene
Concen: 48.168 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.2	90.6
134	26.8	13.3	39.9

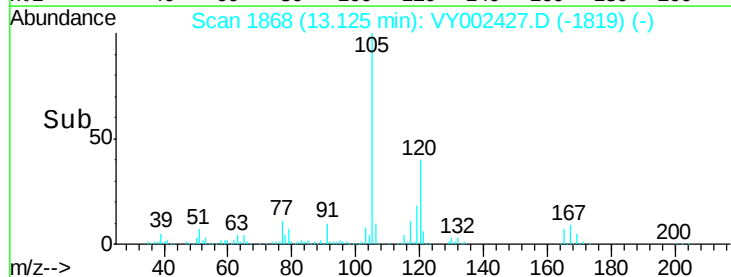
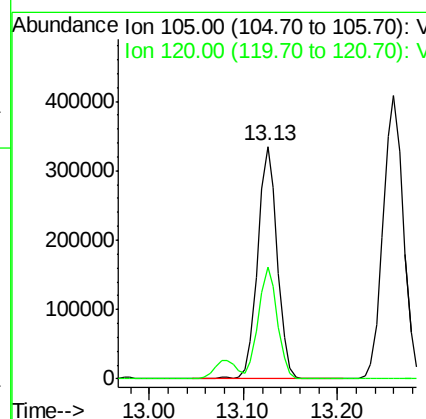
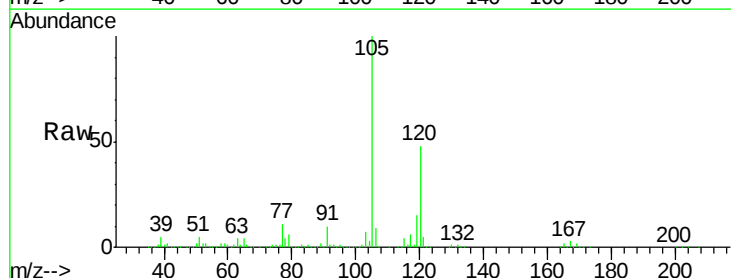
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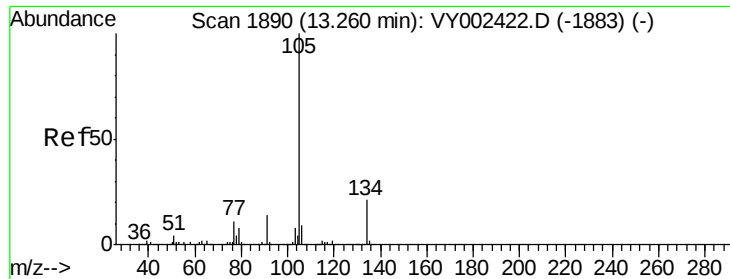
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.787 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7





#85

sec-Butylbenzene

Concen: 47.993 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 607468

Ion Ratio Lower Upper

105 100

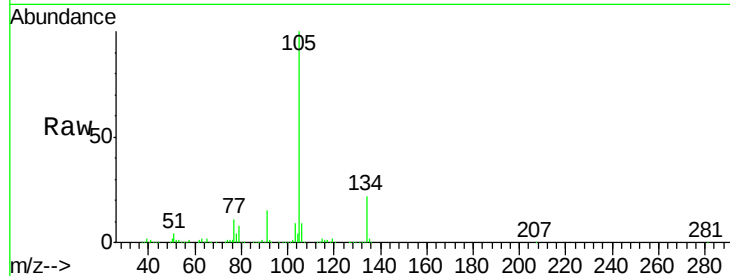
134 21.5 10.5 31.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

400000

300000

200000

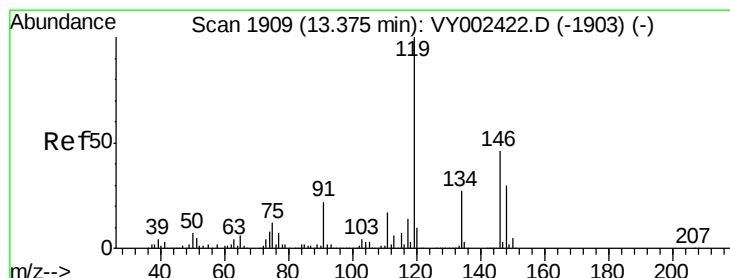
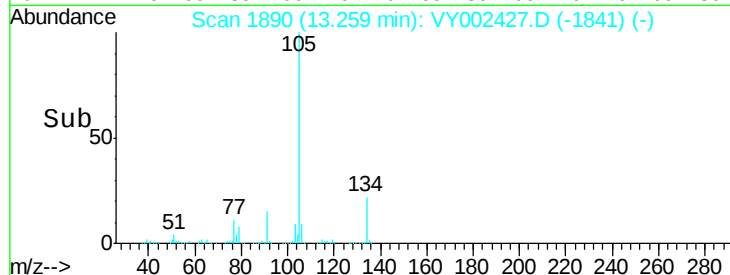
100000

0

Time-->

13.20

13.30



#86

p-Isopropyltoluene

Concen: 48.253 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002427.D

Acq: 21 Apr 2020 11:28

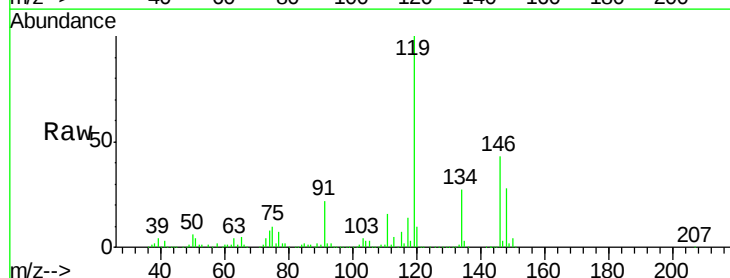
Tgt Ion:119 Resp: 553944

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 21.5 10.7 32.1



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

500000

400000

300000

200000

100000

0

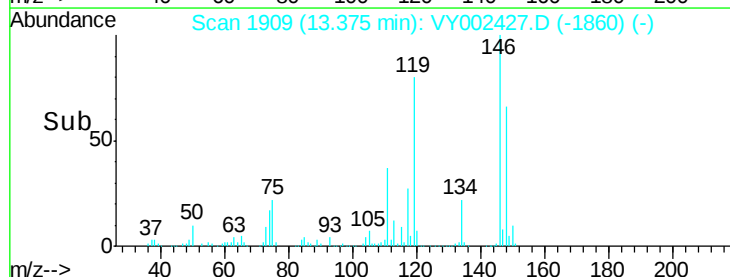
Time-->

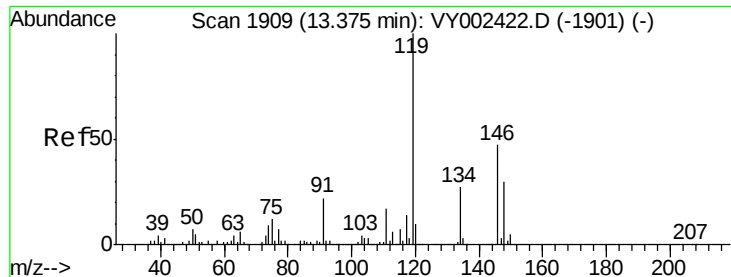
13.30

13.35

13.40

13.45





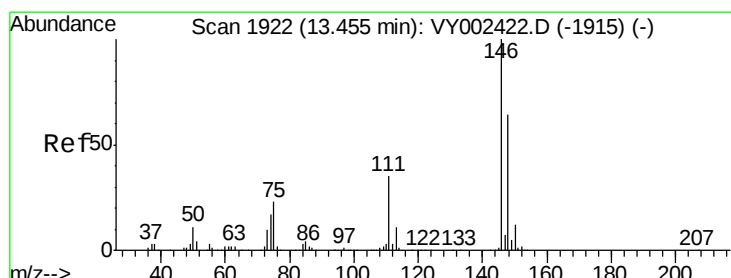
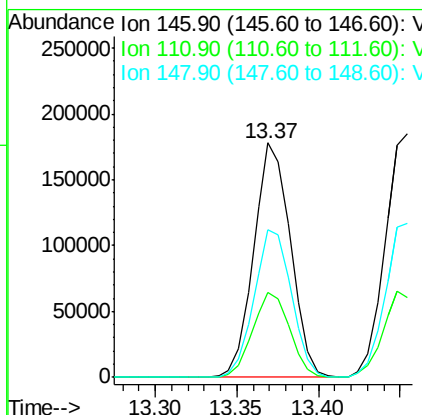
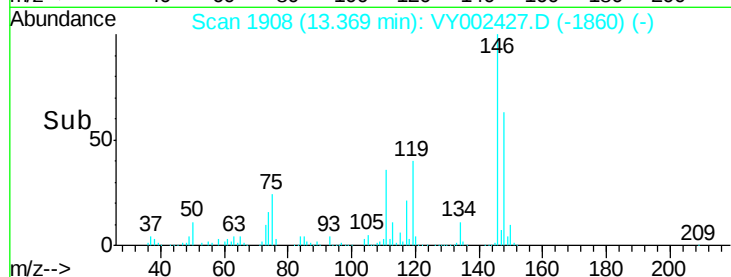
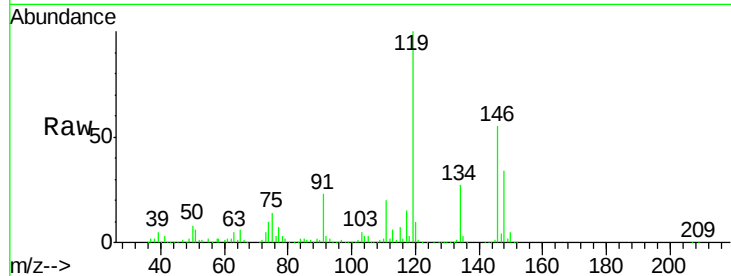
#87
 1,3-Dichlorobenzene
 Concen: 47.827 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278526		
111	36.5	18.6	55.8	
148	64.0	31.8	95.3	

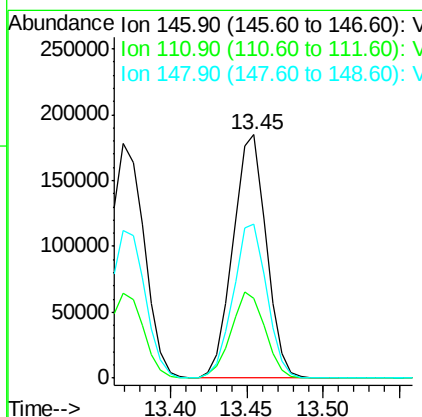
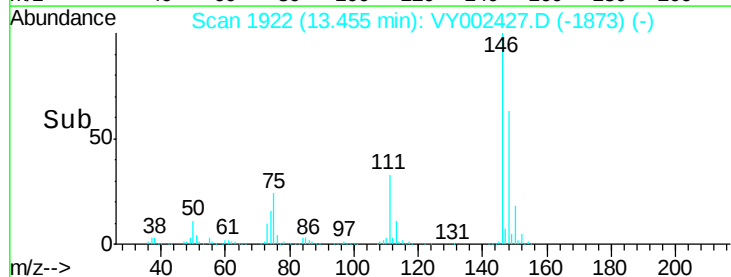
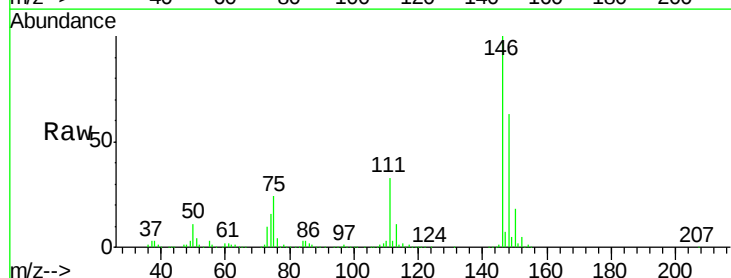
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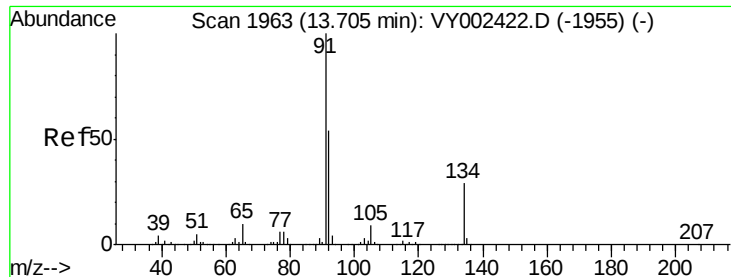
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#88
 1,4-Dichlorobenzene
 Concen: 47.265 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278602		
111	36.2	17.9	53.8	
148	63.9	32.1	96.3	





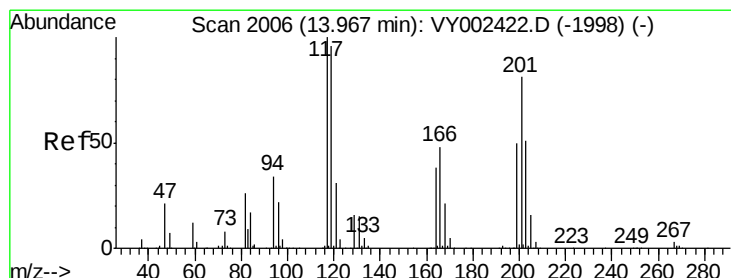
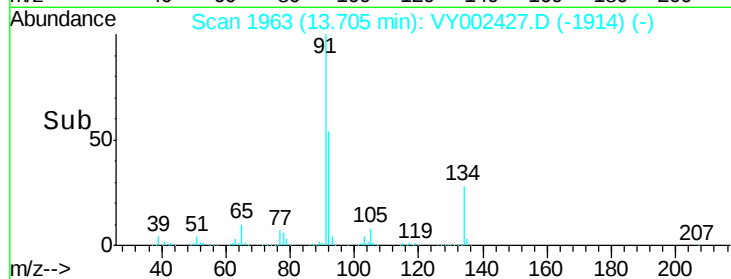
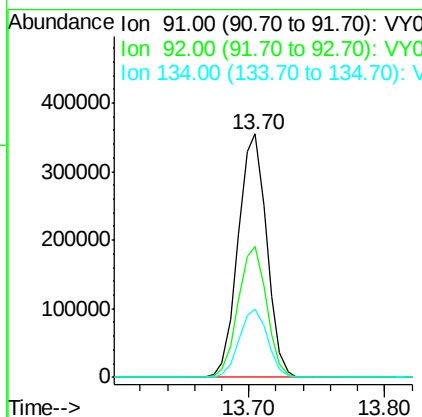
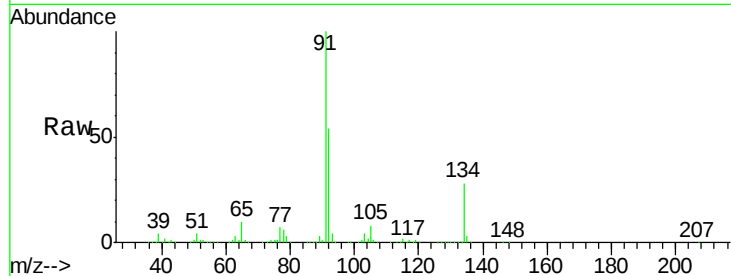
#89
n-Butylbenzene
Concen: 48.471 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	26.8	80.4	
134	28.1	14.4	43.2	

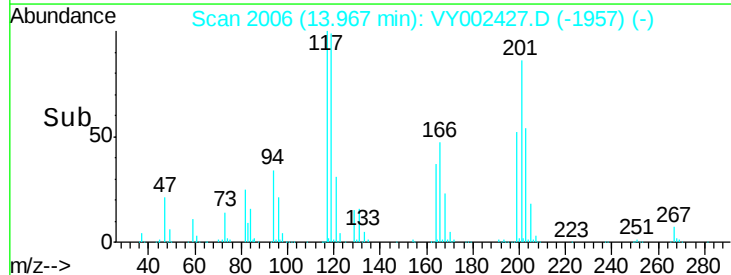
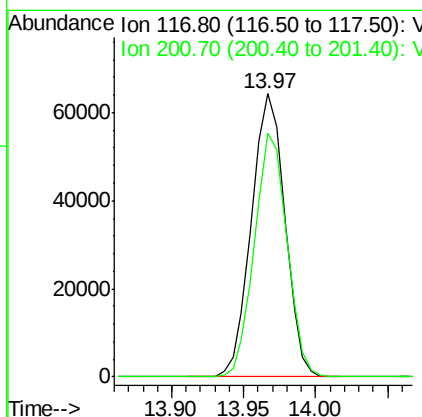
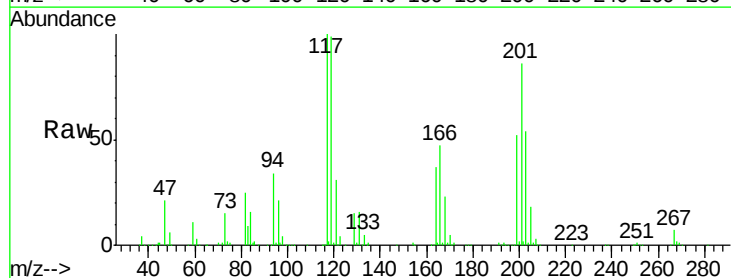
Manual Integrations
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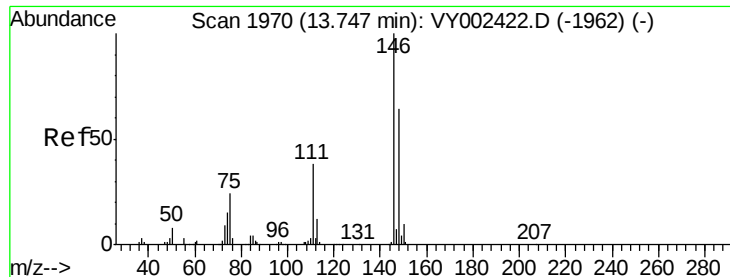
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#90
Hexachloroethane
Concen: 48.031 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.4	42.5	127.5	





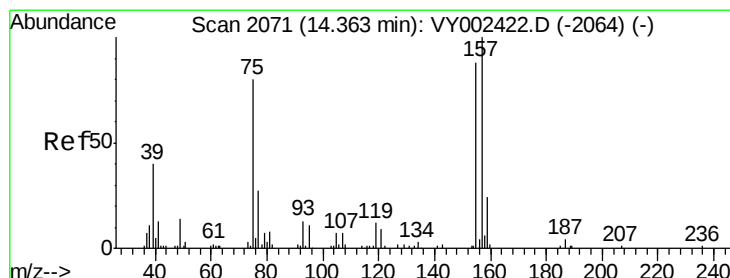
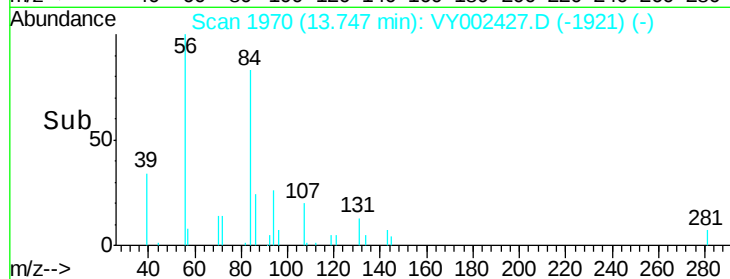
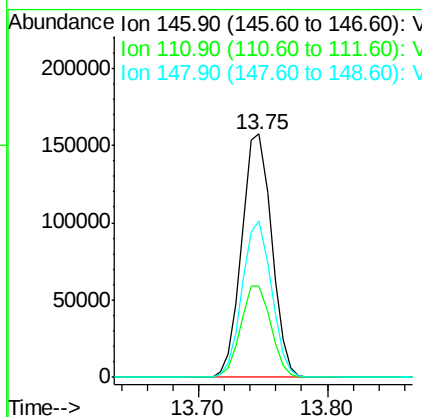
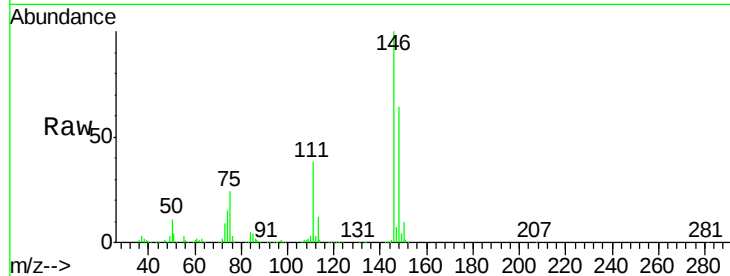
#91
 1,2-Dichlorobenzene
 Concen: 47.500 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	63.0	31.9	95.5

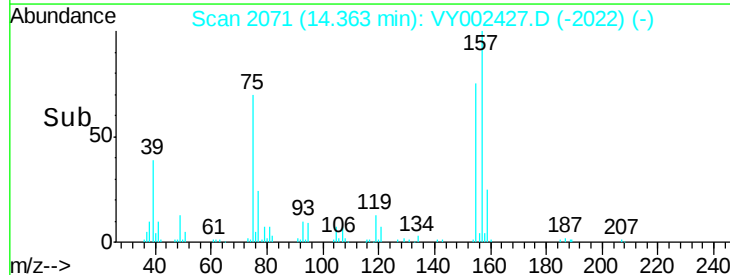
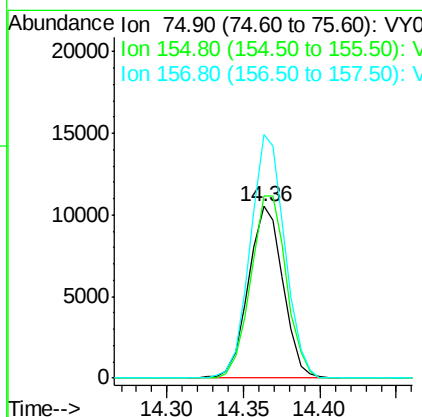
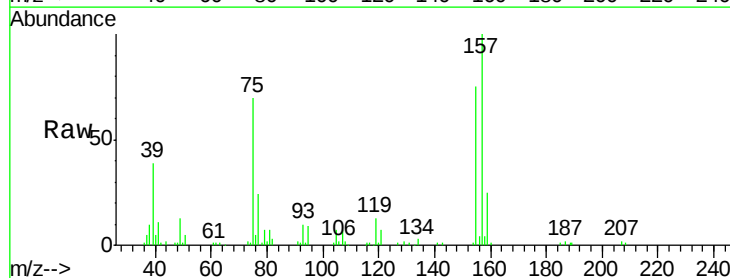
Manual Integrations
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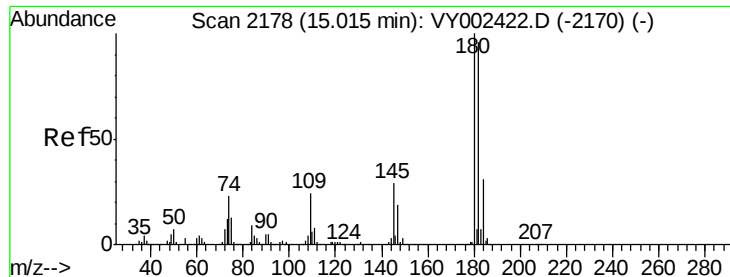
MMDadoda
 4/22/2020 11:44:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.355 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.0	56.1	168.3
157	141.3	71.5	214.5





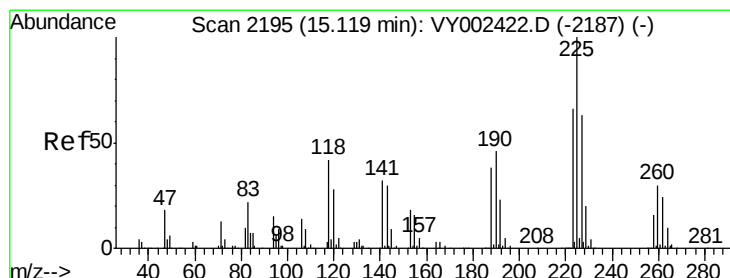
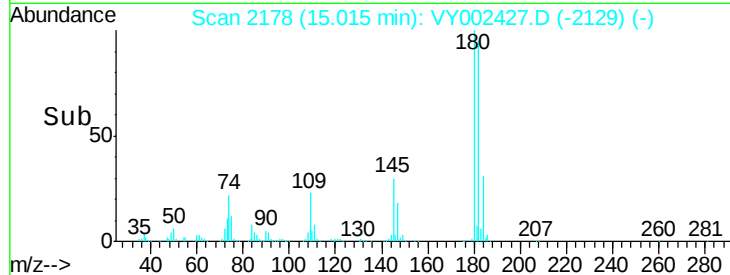
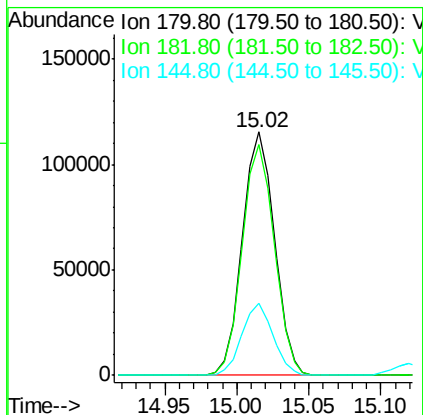
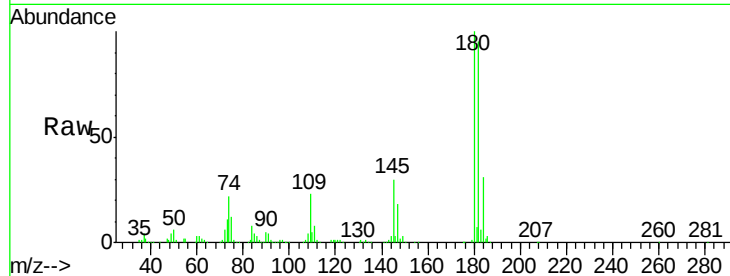
#93
 1,2,4-Trichlorobenzene
 Concen: 46.793 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178685		
182	94.9	47.8	143.3	
145	28.5	14.5	43.6	

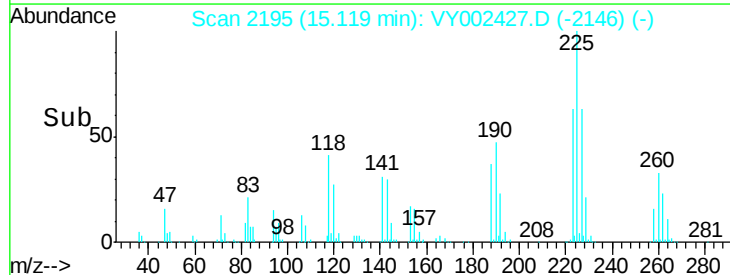
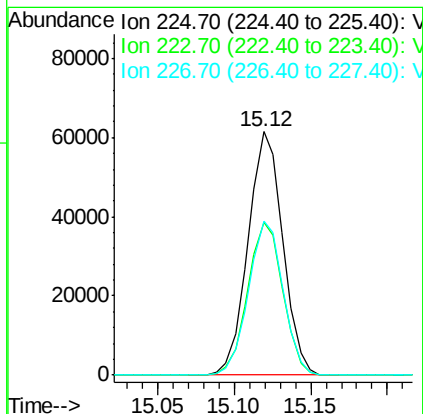
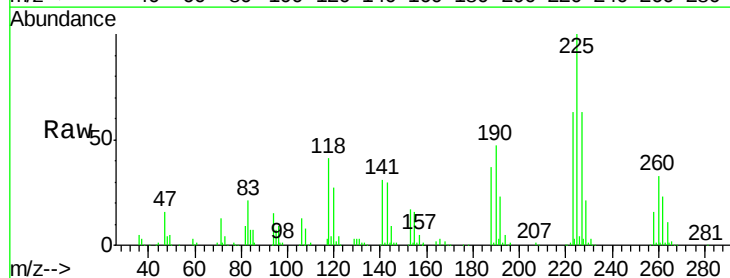
Manual Integrations
 APPROVED

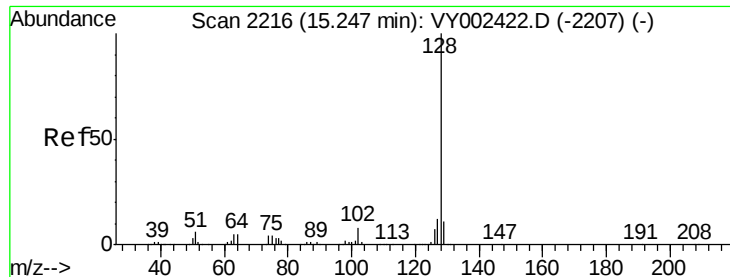
MMDadoda
 4/22/2020 11:44:20 AM



#94
 Hexachlorobutadiene
 Concen: 46.302 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002427.D
 Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96959		
223	63.6	32.0	96.0	
227	63.1	31.6	95.0	





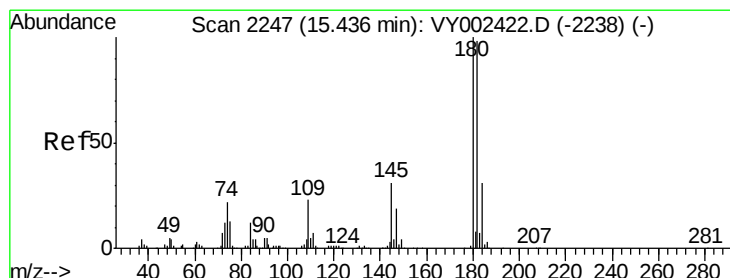
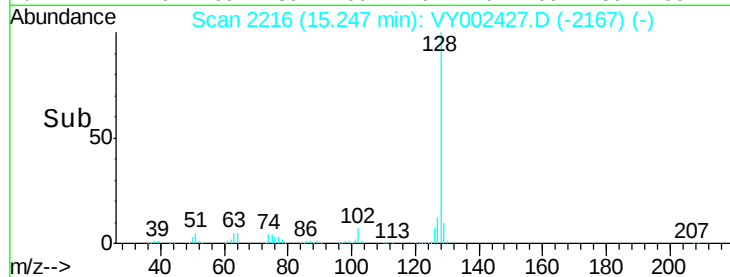
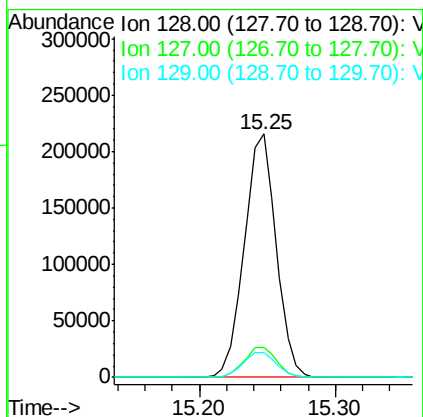
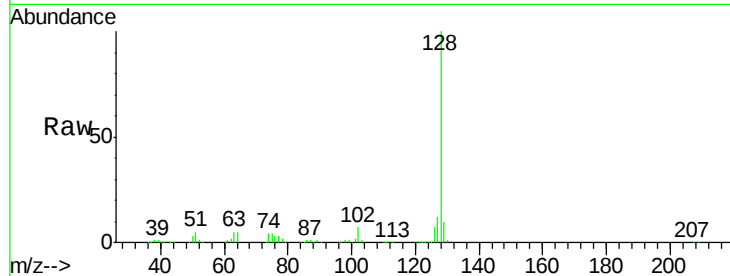
#95
Naphthalene
Concen: 47.625 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	352536		
127	12.6		10.2	15.2
129	10.7		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:44:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.895 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002427.D
Acq: 21 Apr 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152136		
182	94.7		47.2	141.6
145	30.7		14.8	44.4

