

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002616.D
 Acq On : 06 May 2020 16:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:32 AM

Quant Time: May 07 06:33:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	383413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	572280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	512868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	263743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	149701	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.74	113	157147	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.19	98	616004	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.49	95	208001	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	151986	48.046	ug/l	98
3) Chloromethane	2.12	50	158779	51.114	ug/l	99
4) Vinyl Chloride	2.26	62	182446	50.865	ug/l	97
5) Bromomethane	2.66	94	124944	50.511	ug/l	99
6) Chloroethane	2.80	64	109741	51.240	ug/l	96
7) Trichlorofluoromethane	3.14	101	279523	50.282	ug/l	99
8) Diethyl Ether	3.55	74	98209	52.570	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	174260	51.289	ug/l	99
10) Methyl Iodide	4.11	142	245973	53.139	ug/l	98
11) Tert butyl alcohol	4.99	59	82373	248.355	ug/l	100
12) 1,1-Dichloroethene	3.89	96	169988	51.502	ug/l	97
13) Acrolein	3.75	56	46296	201.854	ug/l	97
14) Allyl chloride	4.50	41	253380	52.688	ug/l	98
15) Acrylonitrile	5.19	53	232430	263.831	ug/l	99
16) Acetone	3.97	43	175146	263.249	ug/l	99
17) Carbon Disulfide	4.21	76	517017	52.068	ug/l	100
18) Methyl Acetate	4.50	43	113353	50.991	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	446576	51.860	ug/l	100
20) Methylene Chloride	4.74	84	181354	48.744	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	187174	51.885	ug/l	97
22) Diisopropyl ether	6.14	45	505158	51.915	ug/l	97
23) Vinyl Acetate	6.09	43	1612519	263.506	ug/l	100
24) 1,1-Dichloroethane	6.05	63	299079	51.955	ug/l	99
25) 2-Butanone	7.01	43	284324	261.065	ug/l	98
26) 2,2-Dichloropropane	7.00	77	268955	49.153	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	204018	51.111	ug/l	99
28) Bromochloromethane	7.36	49	127387	54.010	ug/l	99
29) Tetrahydrofuran	7.37	42	193191	268.111	ug/l	100
30) Chloroform	7.53	83	304087	50.804	ug/l	99
31) Cyclohexane	7.80	56	286072	49.370	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	281971	50.684	ug/l	99
36) 1,1-Dichloropropene	7.94	75	246161	51.310	ug/l	100
37) Ethyl Acetate	7.10	43	131266	53.245	ug/l	99
38) Carbon Tetrachloride	7.92	117	263232	50.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	327006	51.606	ug/l	99
40) Benzene	8.18	78	708602	51.140	ug/l	100
41) Methacrylonitrile	7.35	41	69425m	52.376	ug/l	
42) 1,2-Dichloroethane	8.26	62	190044	48.897	ug/l	99
43) Isopropyl Acetate	8.29	43	242891	52.554	ug/l	99
44) Trichloroethene	8.96	130	224112	51.755	ug/l	99
45) 1,2-Dichloropropane	9.23	63	171686	51.340	ug/l	100
46) Dibromomethane	9.32	93	96801	50.311	ug/l	99
47) Bromodichloromethane	9.51	83	235539	50.346	ug/l	99
48) Methyl methacrylate	9.31	41	113758	54.386	ug/l	98
49) 1,4-Dioxane	9.31	88	28690	1126.188	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	643487	270.120	ug/l	100
52) Toluene	10.25	92	457591	51.386	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	253186	51.651	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	290661	51.292	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	143464	51.131	ug/l	99
56) Ethyl methacrylate	10.52	69	198193	53.098	ug/l	99
57) 1,3-Dichloropropane	10.80	76	240376	50.518	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	503496	255.788	ug/l	99
59) 2-Hexanone	10.84	43	444948	271.374	ug/l	100
60) Dibromochloromethane	11.00	129	182788	51.221	ug/l	99
61) 1,2-Dibromoethane	11.10	107	142575	51.318	ug/l	99
64) Tetrachloroethene	10.73	164	243903	53.525	ug/l	98
65) Chlorobenzene	11.53	112	504189	51.714	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	186214	51.453	ug/l	100
67) Ethyl Benzene	11.60	91	885415	51.700	ug/l	99
68) m/p-Xylenes	11.71	106	682395	102.981	ug/l	99
69) o-Xylene	12.04	106	321292	51.784	ug/l	98
70) Styrene	12.05	104	555563	52.379	ug/l	99
71) Bromoform	12.22	173	118044	52.551	ug/l	100
73) Isopropylbenzene	12.34	105	877931	51.362	ug/l	100
74) N-amyl acetate	12.15	43	220591	53.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	135974	50.020	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	106362m	45.380	ug/l	
77) Bromobenzene	12.62	156	216139	50.612	ug/l	99
78) n-propylbenzene	12.68	91	1024538	51.650	ug/l	99
79) 2-Chlorotoluene	12.77	91	558516	50.831	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	733090	51.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60514	51.772	ug/l	99
82) 4-Chlorotoluene	12.86	91	581288	50.363	ug/l	100
83) tert-Butylbenzene	13.08	119	653672	52.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	726050	51.417	ug/l	100
85) sec-Butylbenzene	13.27	105	890289	51.643	ug/l	100
86) p-Isopropyltoluene	13.38	119	827200	51.210	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	409805	50.702	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	407885	50.964	ug/l	100
89) n-Butylbenzene	13.70	91	761367	51.777	ug/l	100
90) Hexachloroethane	13.97	117	153612	52.220	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	366617	50.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	26242	51.787	ug/l	99

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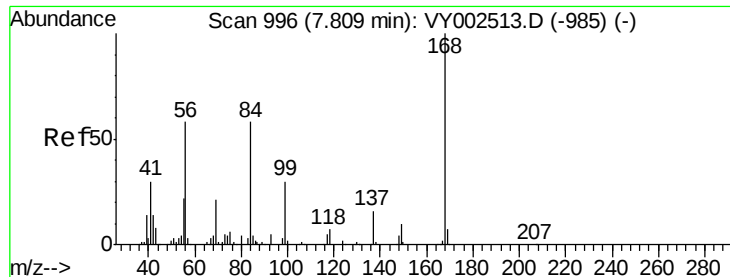
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	266060	50.812	ug/l	100
94) Hexachlorobutadiene	15.12	225	159731	50.821	ug/l	99
95) Naphthalene	15.25	128	506960	53.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	227886	51.267	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 383413

Ion Ratio Lower Upper

168 100

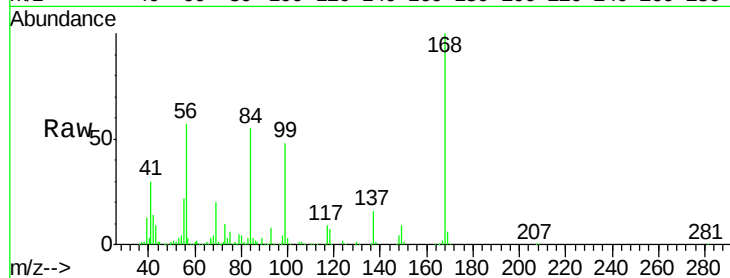
99 47.9 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

150000

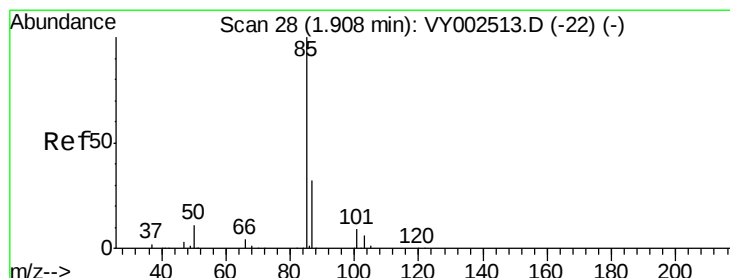
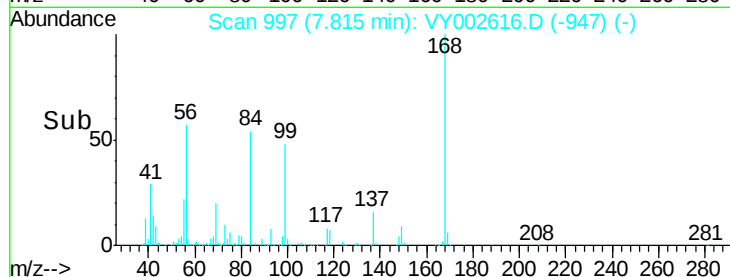
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.046 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002616.D

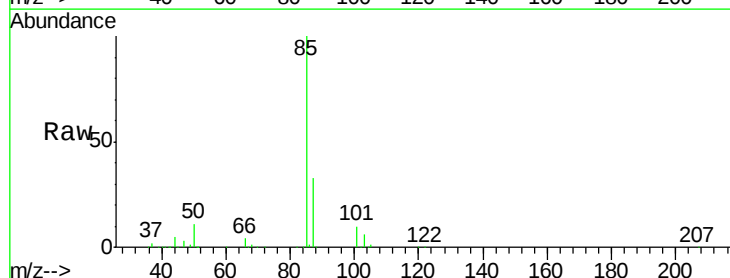
Acq: 06 May 2020 16:17

Tgt Ion: 85 Resp: 151986

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

120000

100000

80000

60000

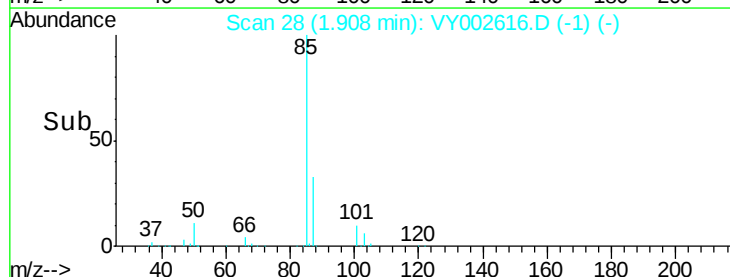
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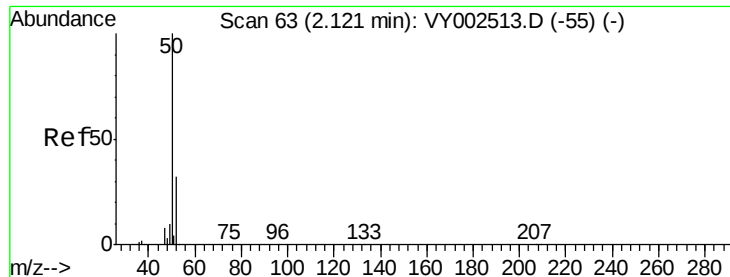
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 51.114 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 158779

Ion Ratio Lower Upper

50 100

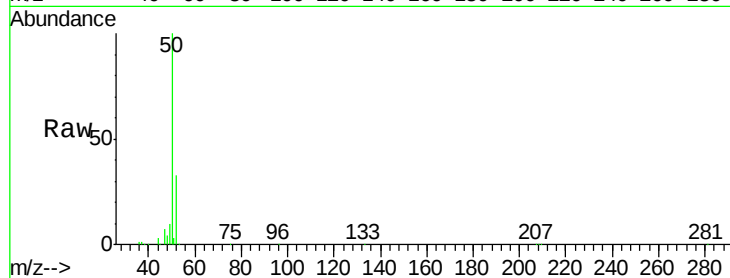
52 33.0 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

120000

100000

80000

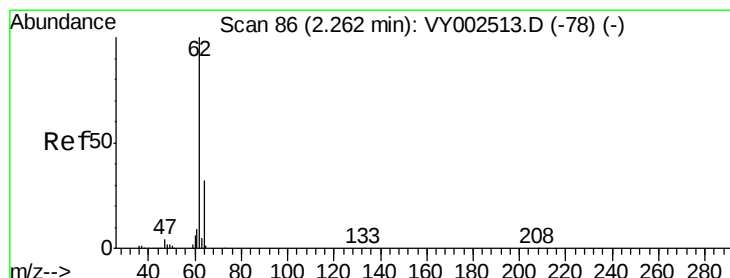
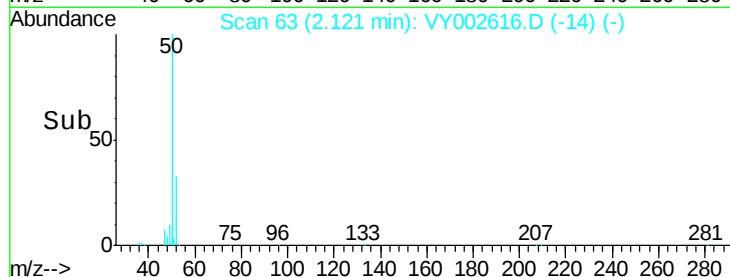
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.865 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002616.D

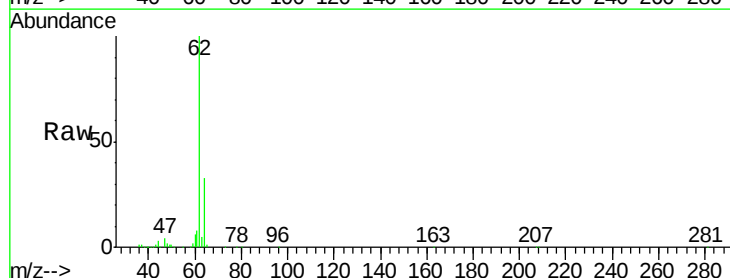
Acq: 06 May 2020 16:17

Tgt Ion: 62 Resp: 182446

Ion Ratio Lower Upper

62 100

64 33.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

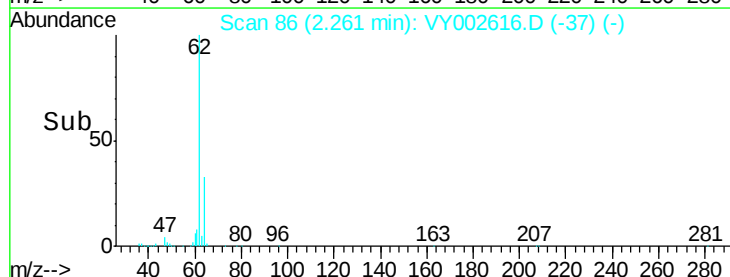
2.26

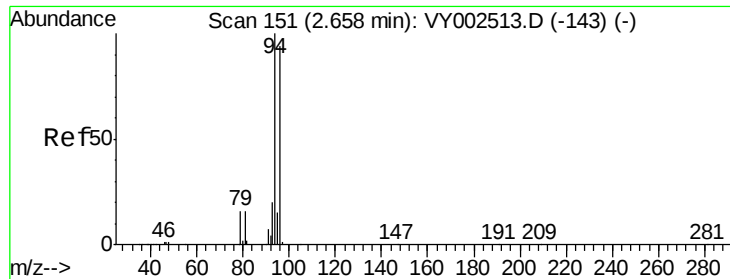
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.511 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 124944

Ion Ratio Lower Upper

94 100

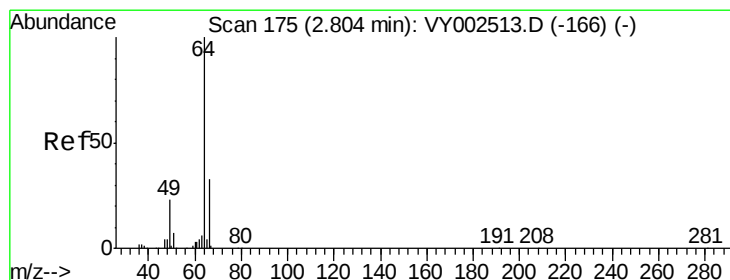
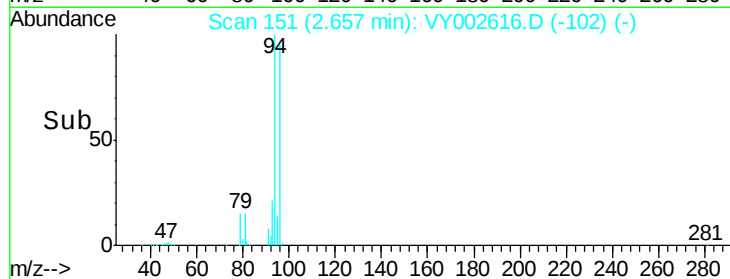
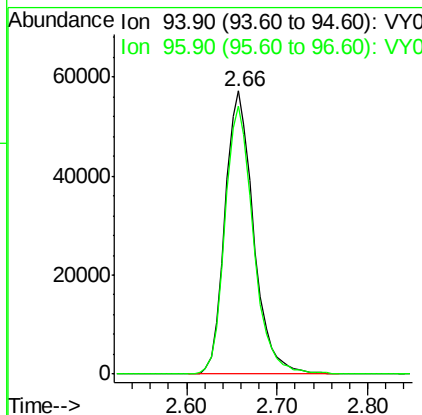
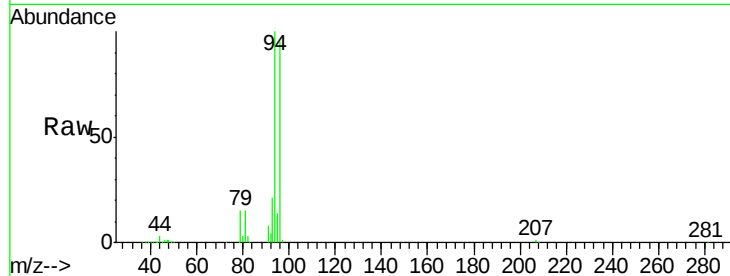
96 94.8 74.9 112.3

Manual Integrations

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5/7/2020 10:35:32 AM



#6

Chloroethane

Concen: 51.240 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002616.D

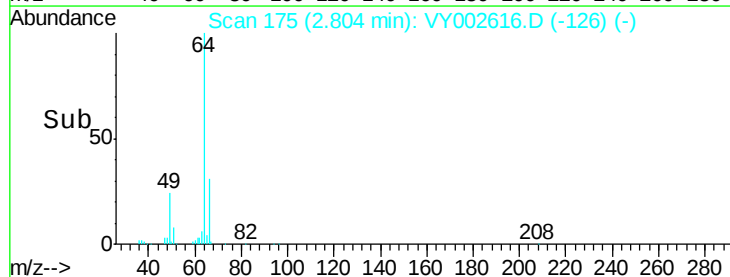
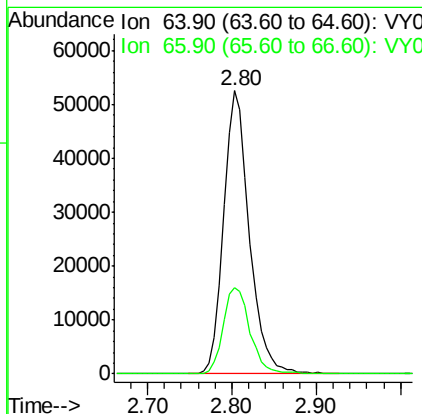
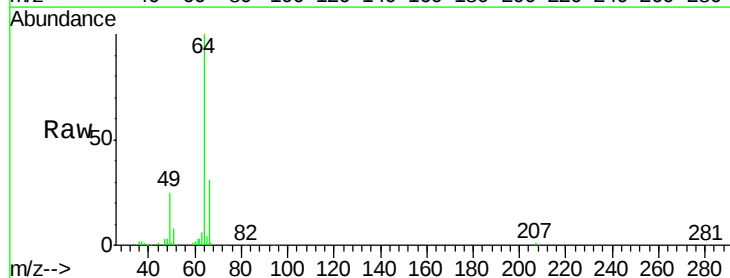
Acq: 06 May 2020 16:17

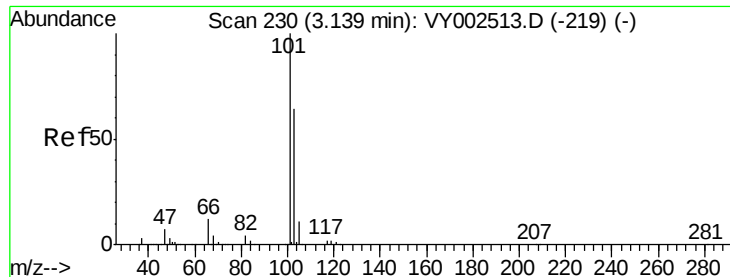
Tgt Ion: 64 Resp: 109741

Ion Ratio Lower Upper

64 100

66 30.7 26.3 39.5





#7

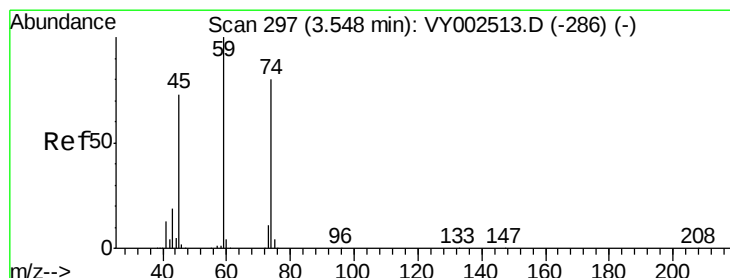
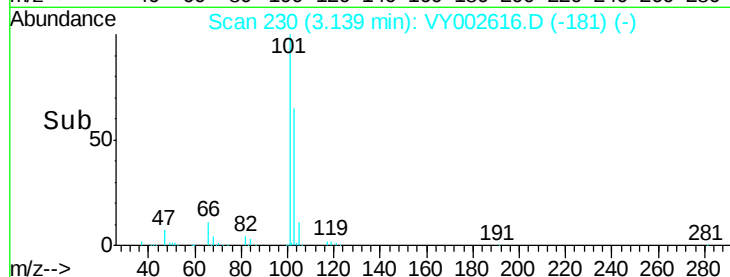
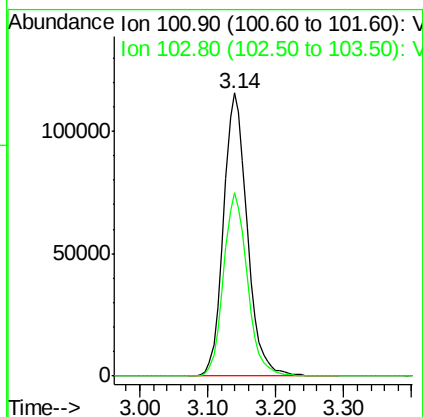
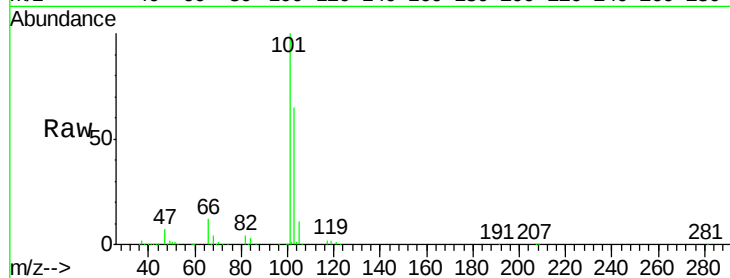
Trichlorofluoromethane
Concen: 50.282 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.0

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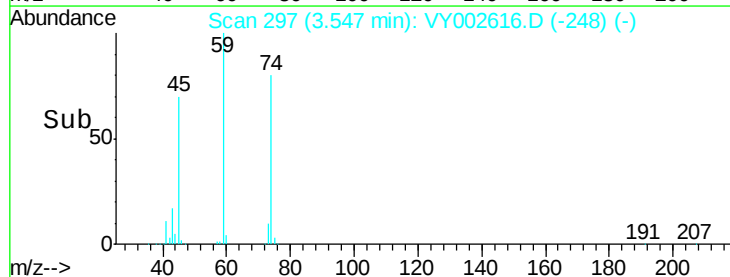
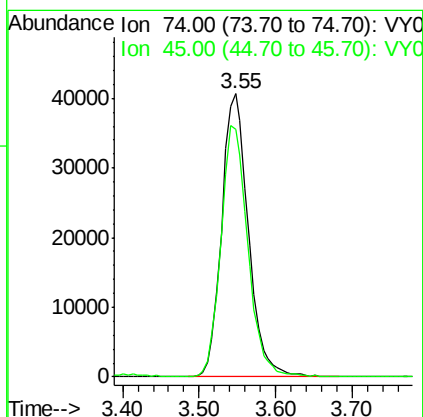
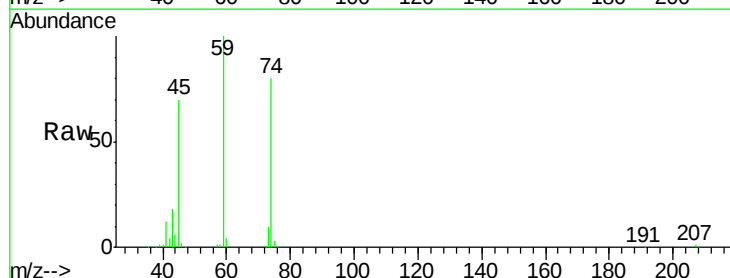
MMDadoda
5/7/2020 10:35:32 AM

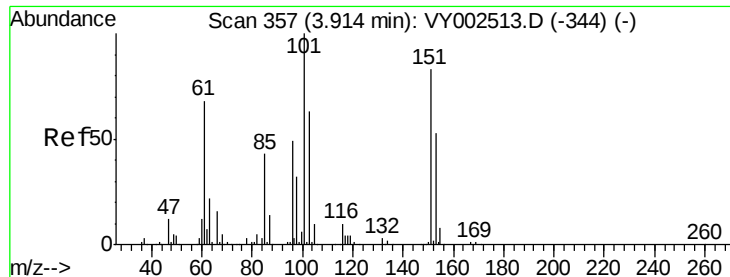


#8

Diethyl Ether
Concen: 52.570 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	46.2	138.5





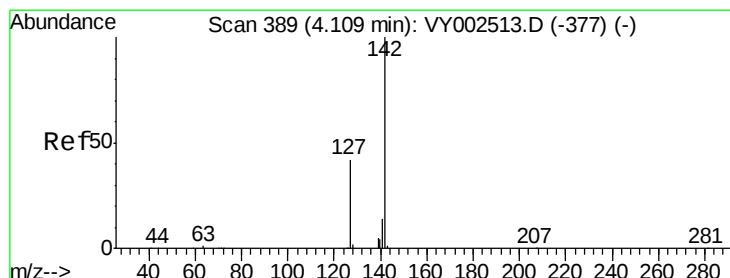
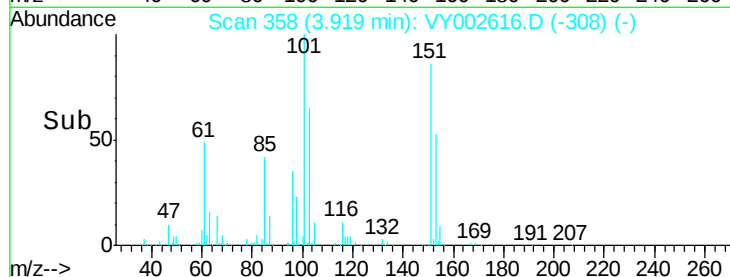
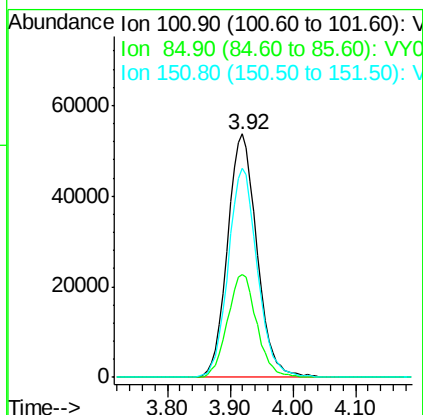
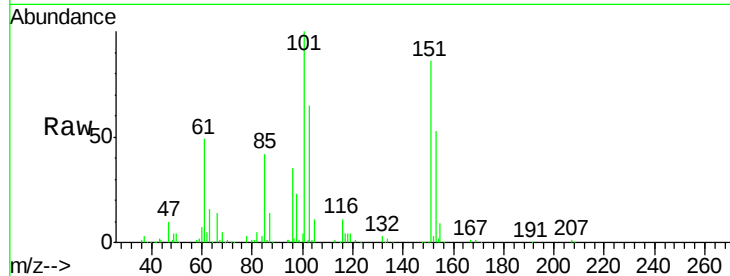
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.289 ug/l
RT: 3.92 min Scan# 358
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	174260		
85	41.9	33.4	50.2	
151	85.1	66.8	100.2	

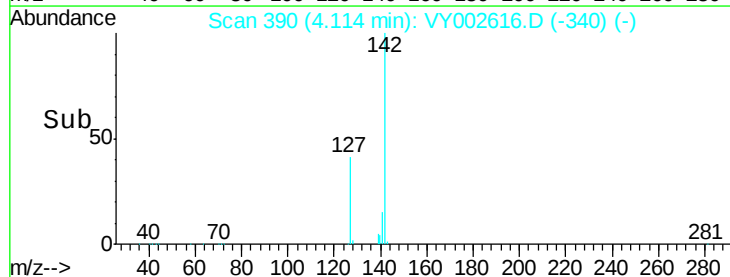
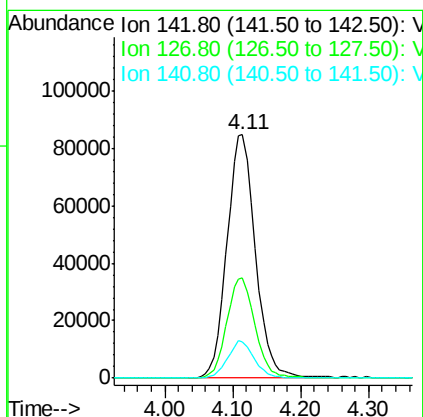
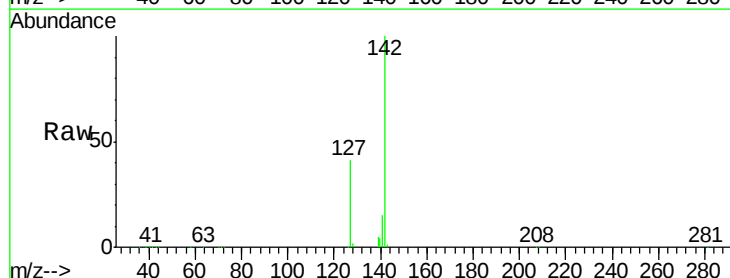
Manual Integrations
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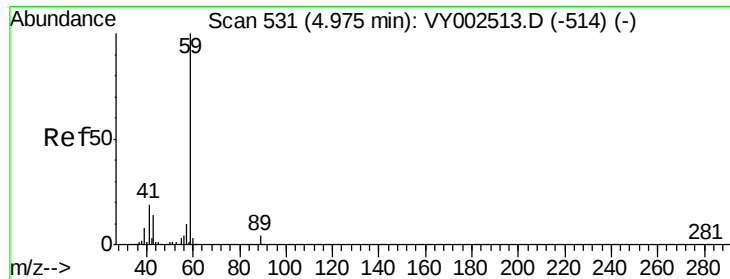
MMDadoda
5/7/2020 10:35:32 AM



#10
Methyl Iodide
Concen: 53.139 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	245973		
127	40.8	33.7	50.5	
141	14.5	11.4	17.0	





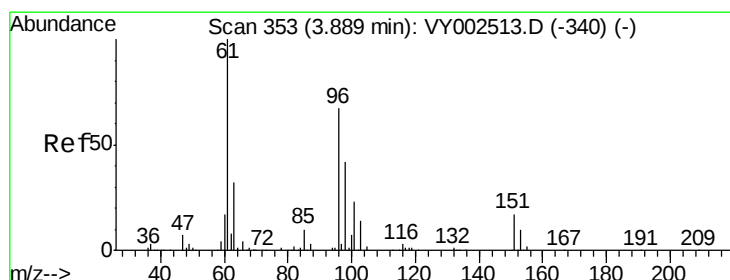
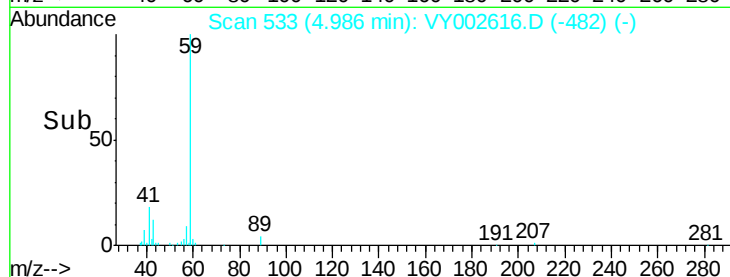
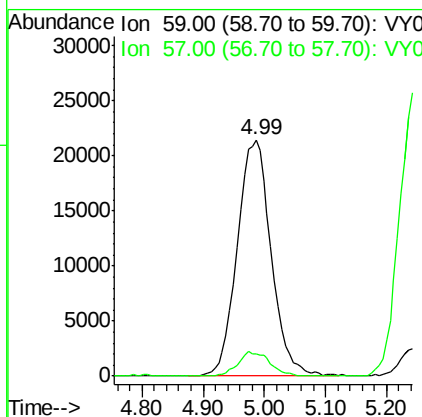
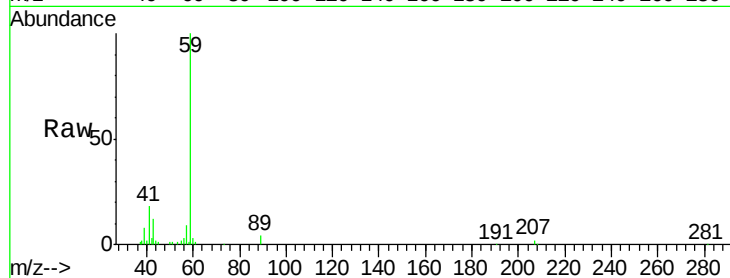
#11
Tert butyl alcohol
Concen: 248.355 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 82373
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

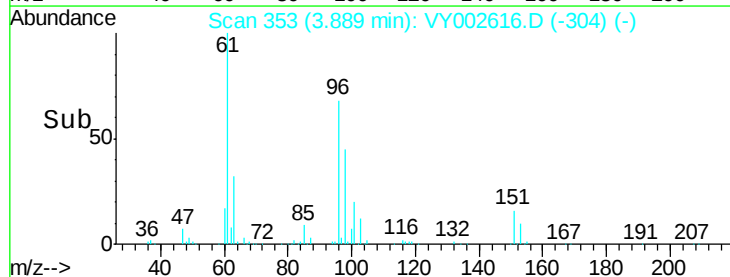
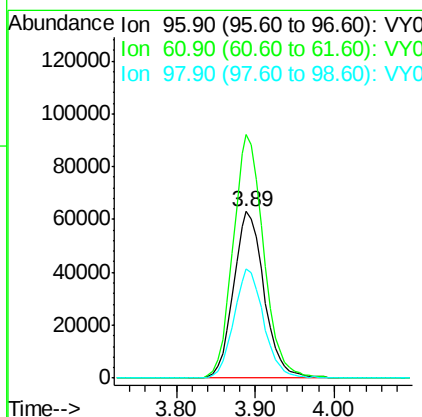
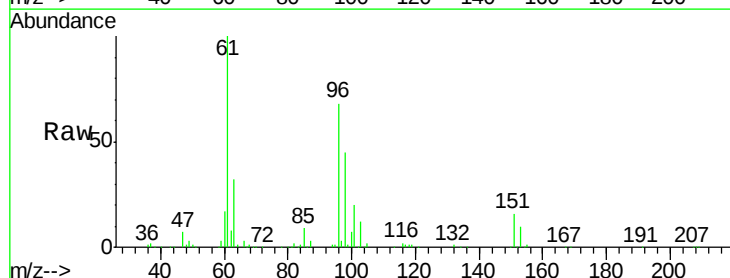
Manual Integrations
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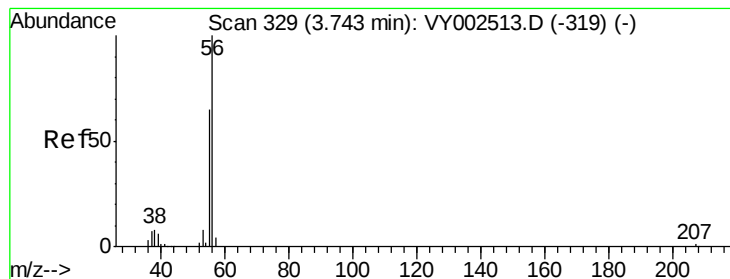
MMDadoda
5/7/2020 10:35:32 AM



#12
1,1-Dichloroethene
Concen: 51.502 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion: 96 Resp: 169988
Ion Ratio Lower Upper
96 100
61 146.1 118.8 178.2
98 65.3 49.6 74.4





#13

Acrolein

Concen: 201.854 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46296

Ion Ratio Lower Upper

56 100

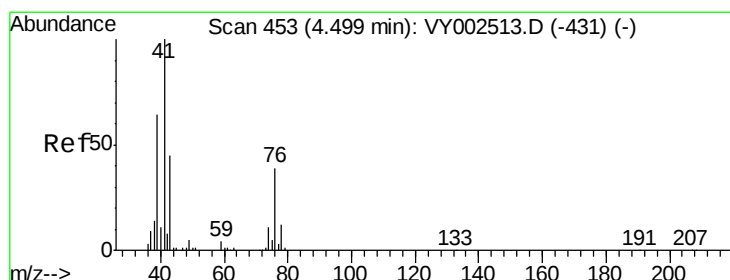
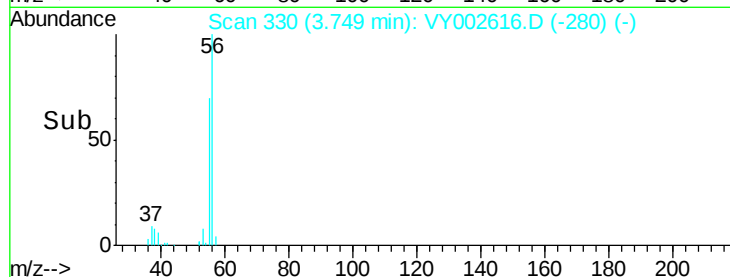
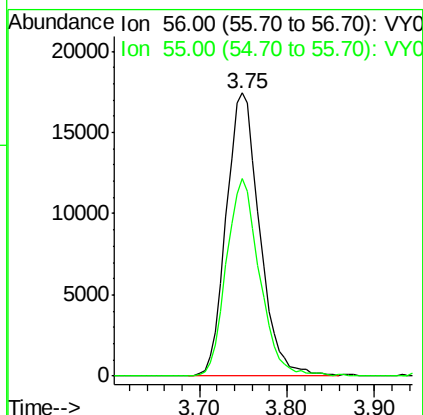
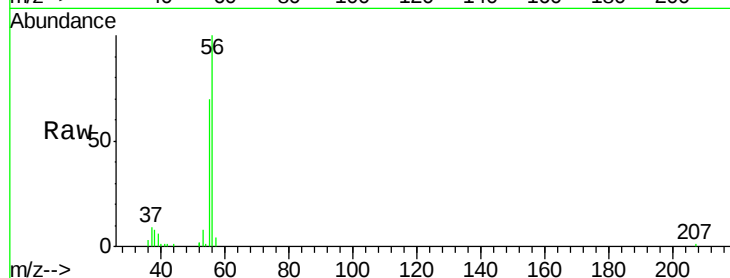
55 69.3 53.8 80.6

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#14

Allyl chloride

Concen: 52.688 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

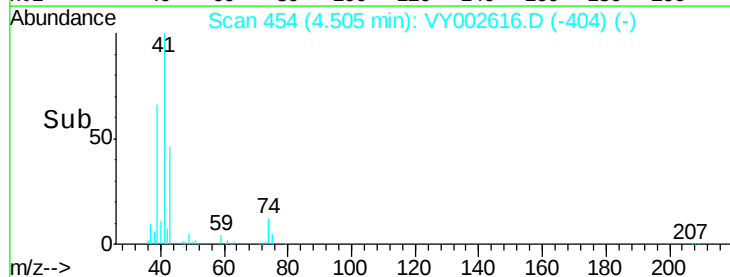
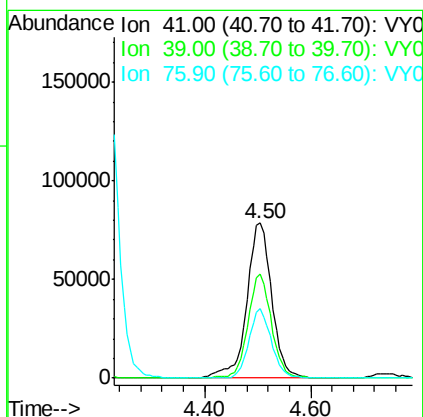
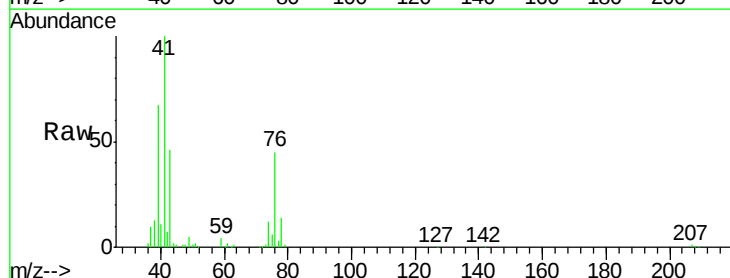
Tgt Ion: 41 Resp: 253380

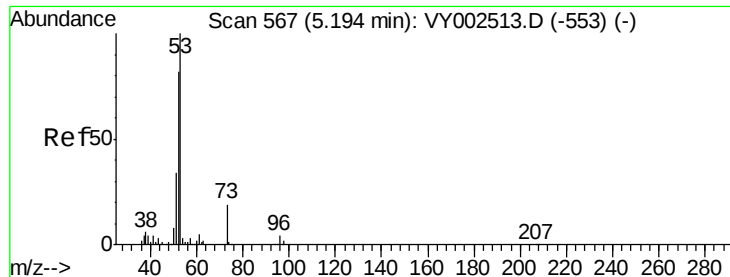
Ion Ratio Lower Upper

41 100

39 62.9 51.8 77.6

76 40.1 31.7 47.5





#15

Acrylonitrile

Concen: 263.831 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

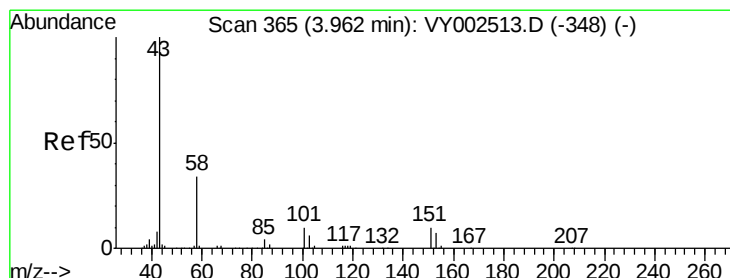
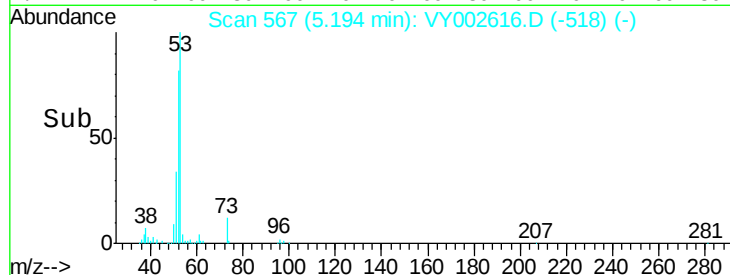
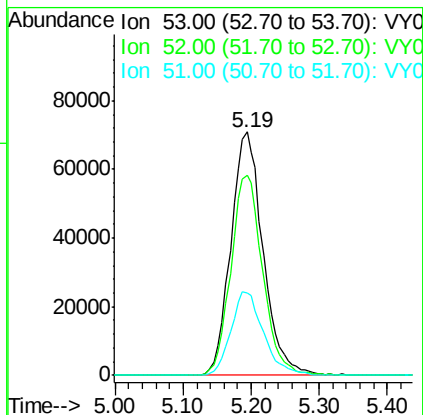
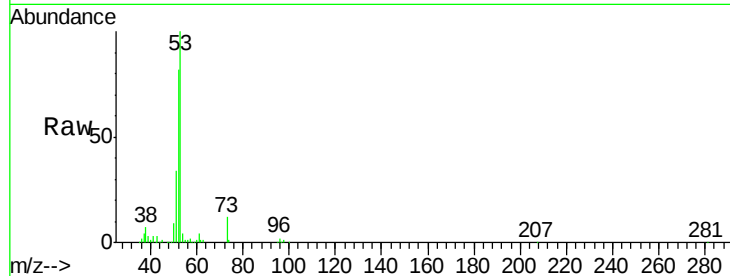
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	232430
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.4	98.0
51	34.9	28.7	43.1

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#16

Acetone

Concen: 263.249 ug/l

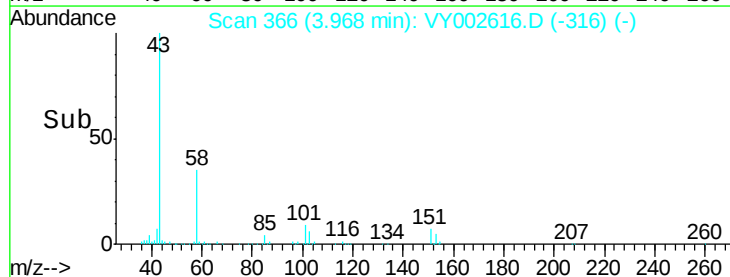
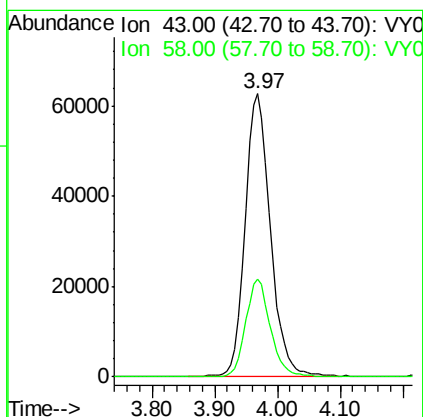
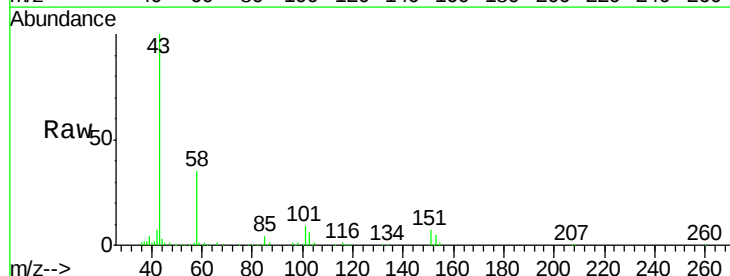
RT: 3.97 min Scan# 366

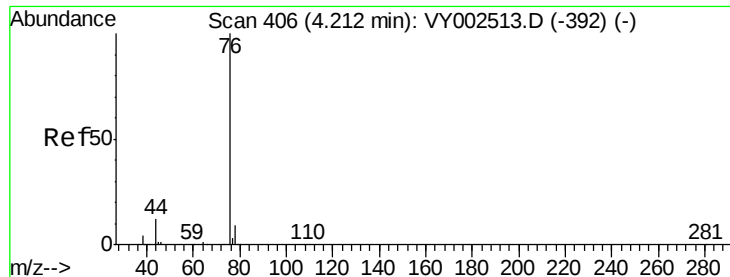
Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	43	Resp:	175146
Ion Ratio	Lower	Upper	
43	100		
58	34.4	26.9	40.3





#17

Carbon Disulfide

Concen: 52.068 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 517017

Ion Ratio Lower Upper

76 100

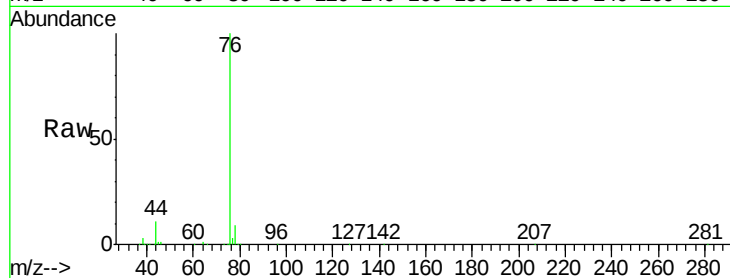
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

200000

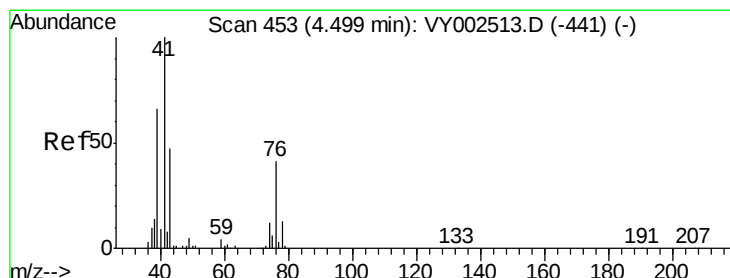
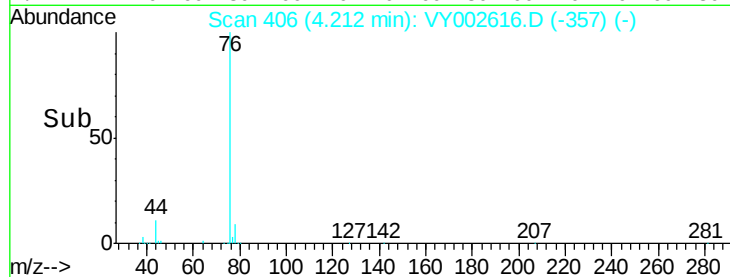
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.991 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002616.D

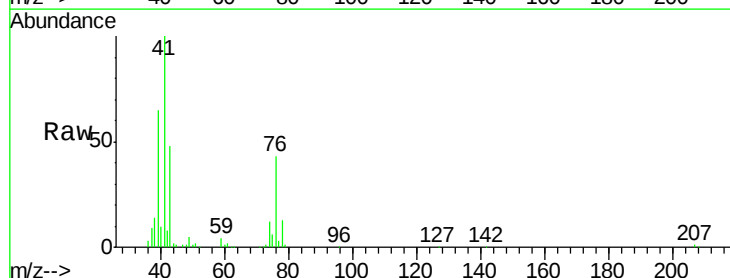
Acq: 06 May 2020 16:17

Tgt Ion: 43 Resp: 113353

Ion Ratio Lower Upper

43 100

74 25.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

40000

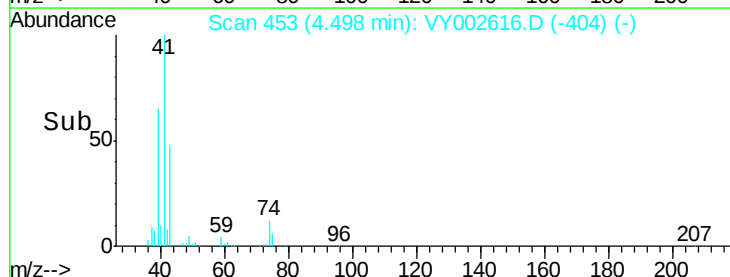
30000

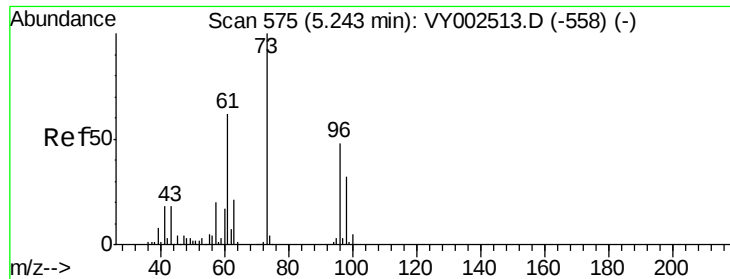
20000

10000

0

Time-->





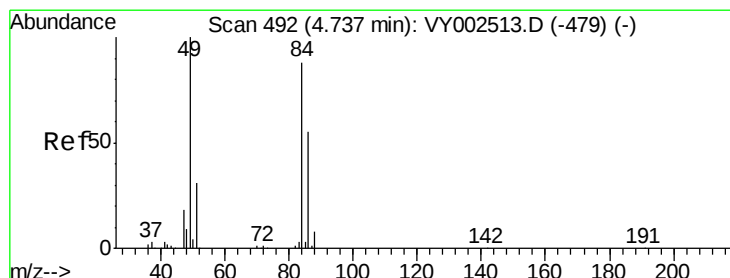
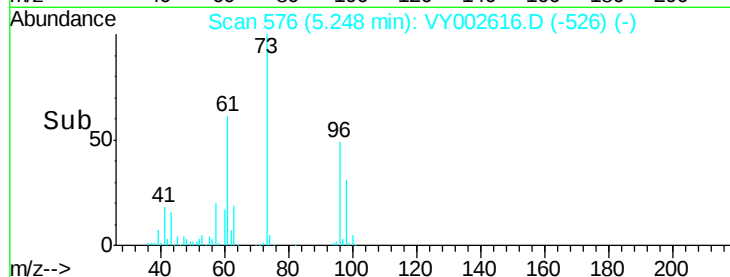
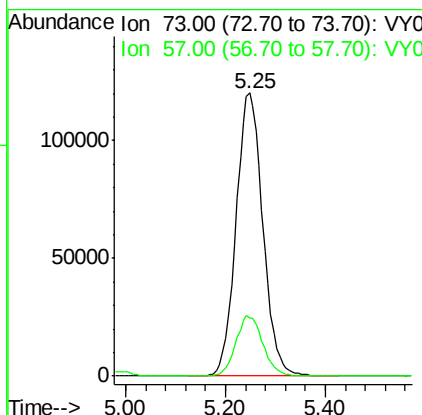
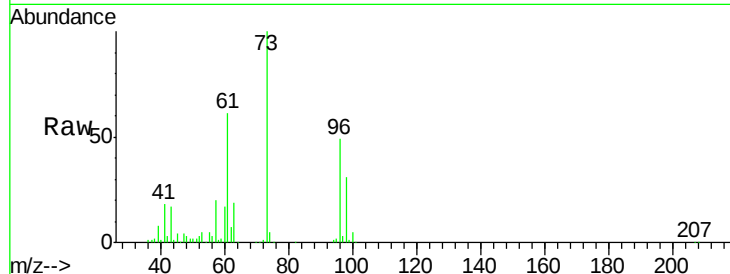
#19
Methvl tert-butvl Ether
Concen: 51.860 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 446576
Ion Ratio Lower Upper
73 100
57 20.5 16.3 24.5

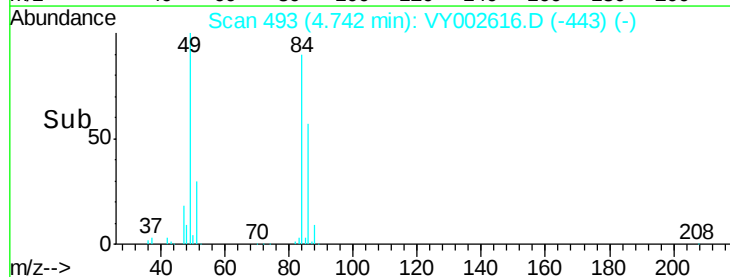
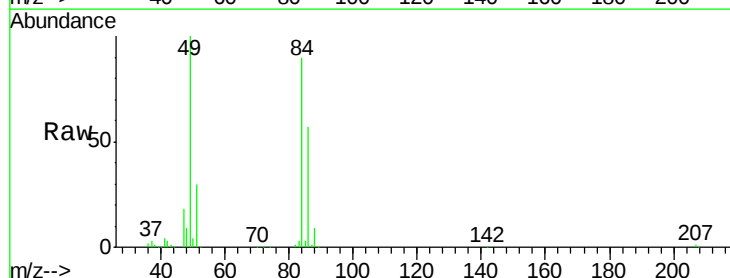
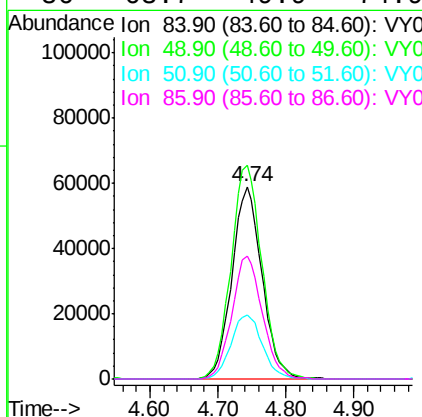
Manual Integrations
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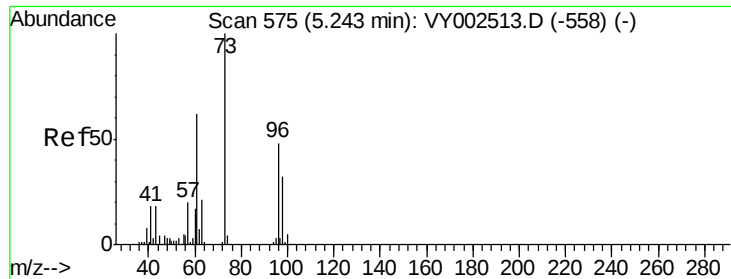
MMDadoda
5/7/2020 10:35:32 AM



#20
Methylene Chloride
Concen: 48.744 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion: 84 Resp: 181354
Ion Ratio Lower Upper
84 100
49 111.2 90.5 135.7
51 33.6 28.3 42.5
86 63.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.885 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

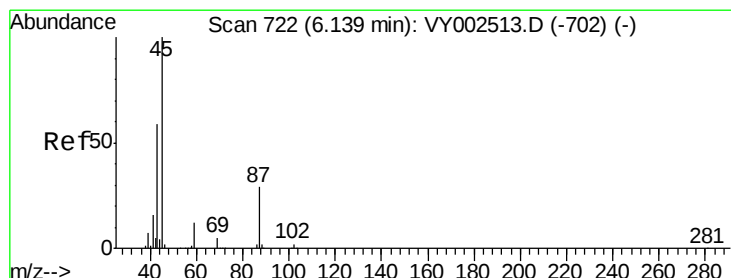
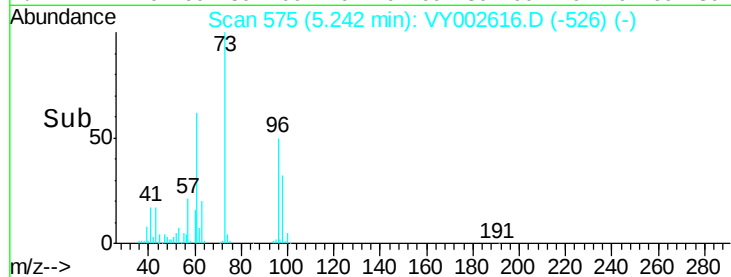
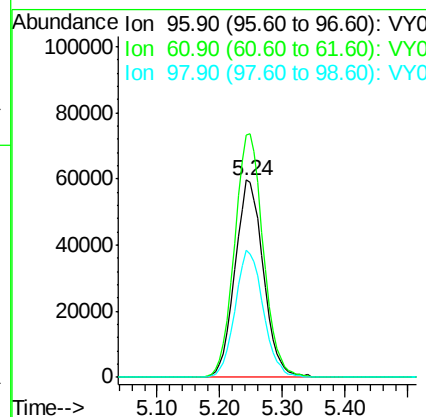
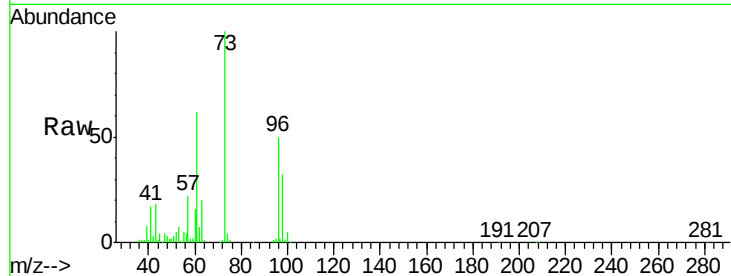
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	187174
Ion	Ratio	Lower	Upper
96	100		
61	122.9	102.0	153.0
98	64.3	53.0	79.4

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#22

Diisopropyl ether

Concen: 51.915 ug/l

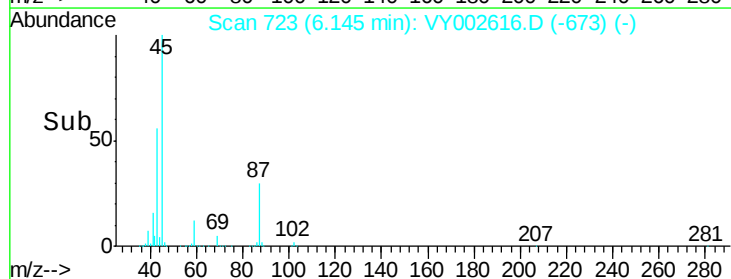
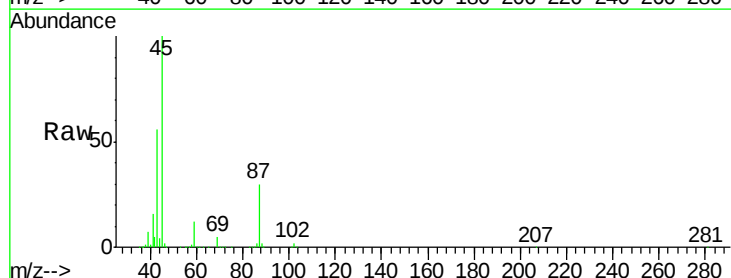
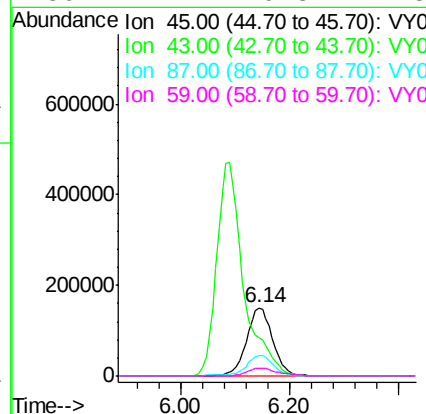
RT: 6.14 min Scan# 723

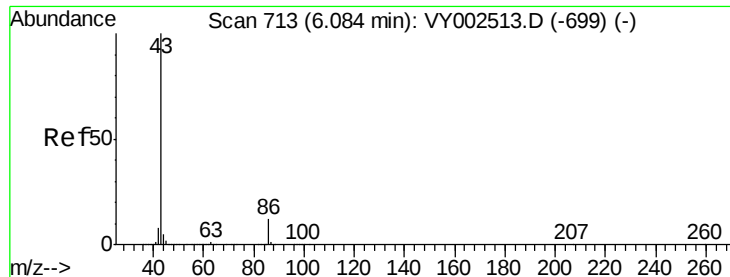
Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	45	Resp:	505158
Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.4	71.0
87	30.1	24.0	36.0
59	11.7	9.8	14.8





#23

Vinyl Acetate

Concen: 263.506 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1612519

Ion Ratio Lower Upper

43 100

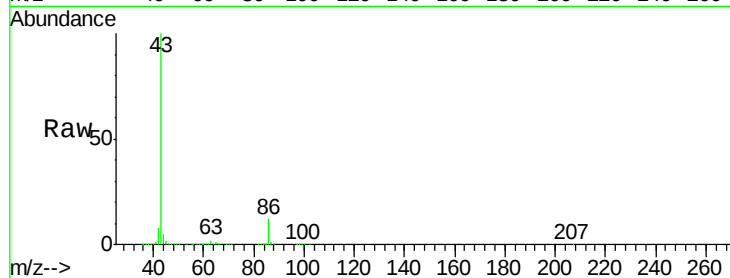
86 12.3 9.8 14.6

Manual Integrations

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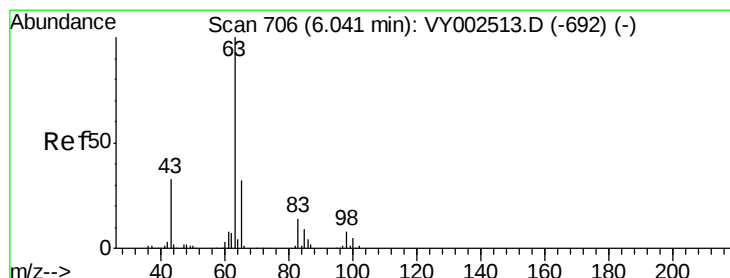
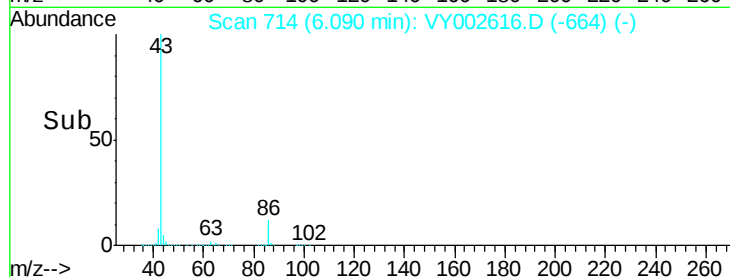
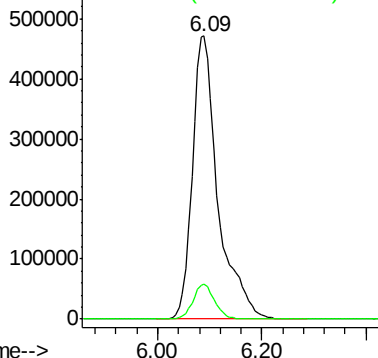
MMDadoda

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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: 51.955 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

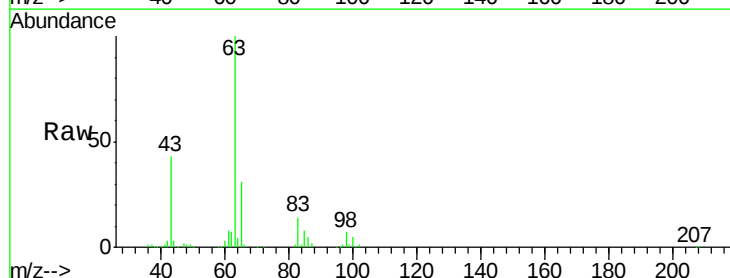
Tgt Ion: 63 Resp: 299079

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

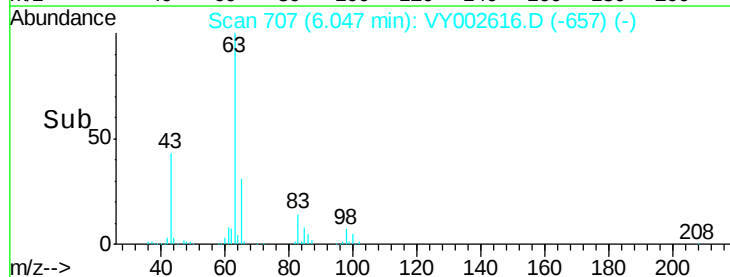
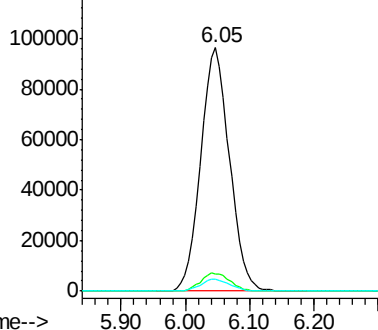
100 4.9 2.4 7.2

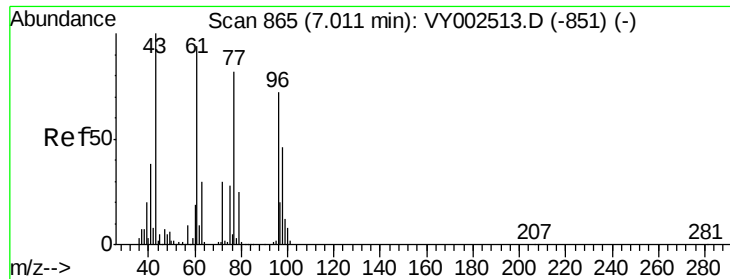


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





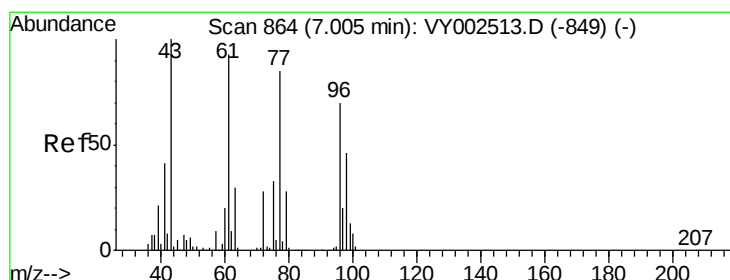
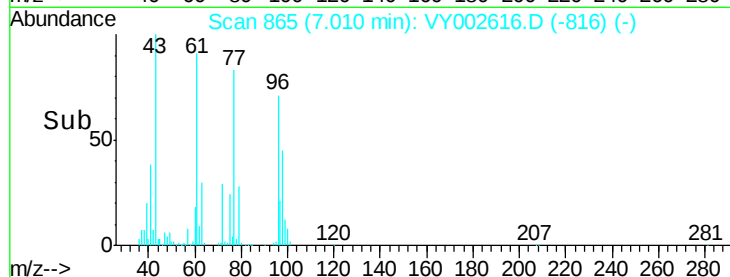
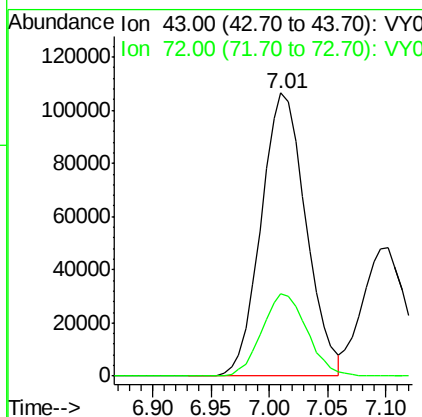
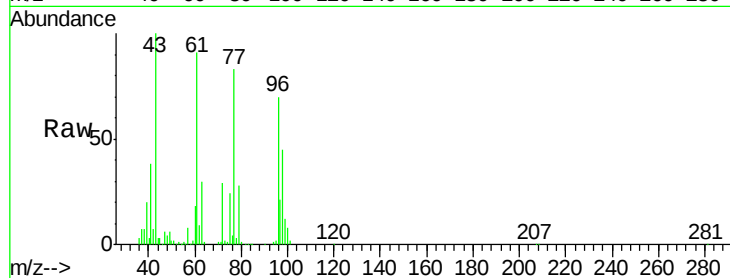
#25
2-Butanone
Concen: 261.065 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 284324
Ion Ratio Lower Upper
43 100
72 29.1 24.1 36.1

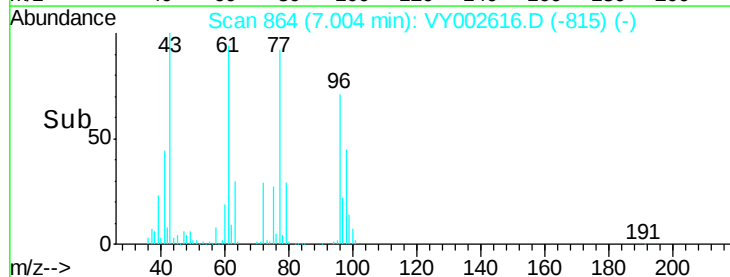
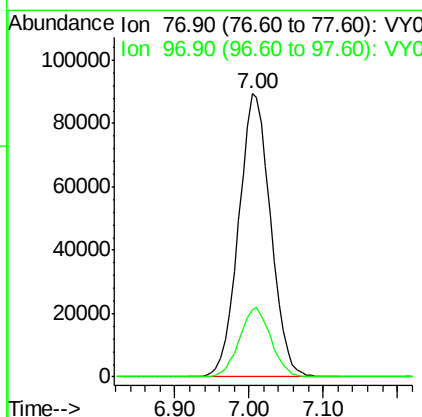
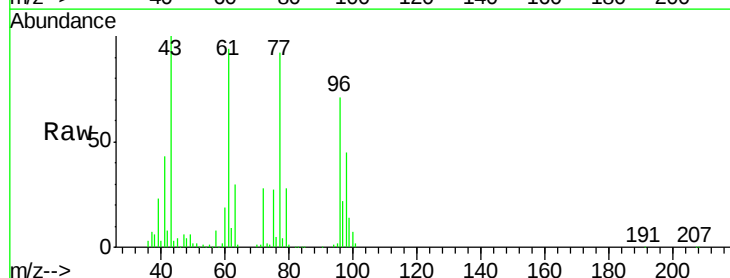
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 49.153 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion: 77 Resp: 268955
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.5





#27

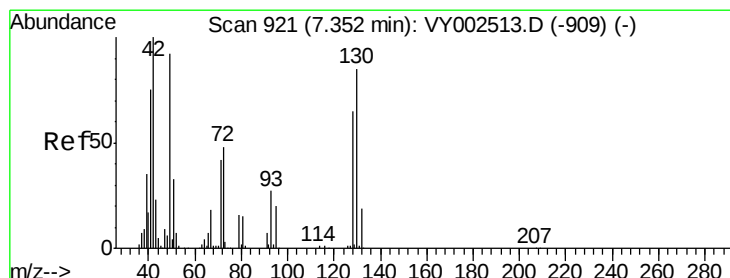
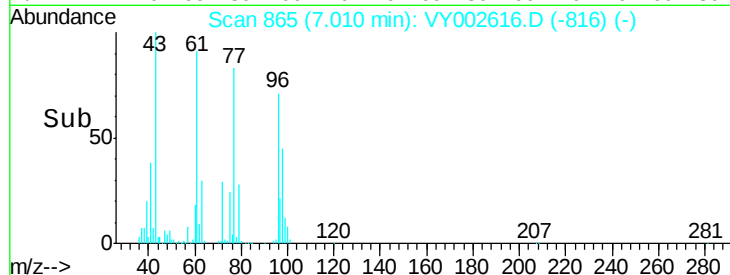
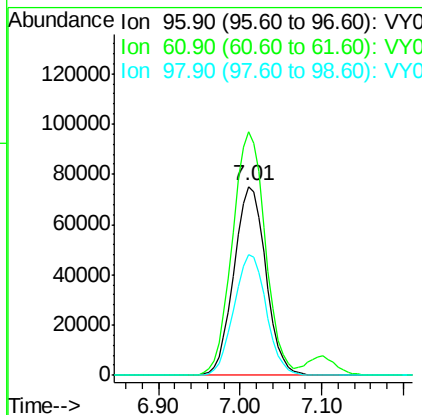
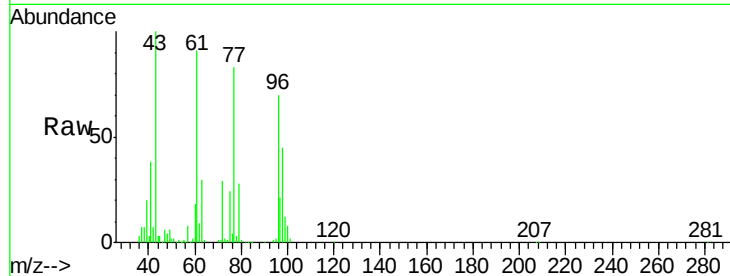
cis-1,2-Dichloroethene
Concen: 51.111 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	204018		
61	132.2		0.0	266.6
98	64.8		0.0	129.2

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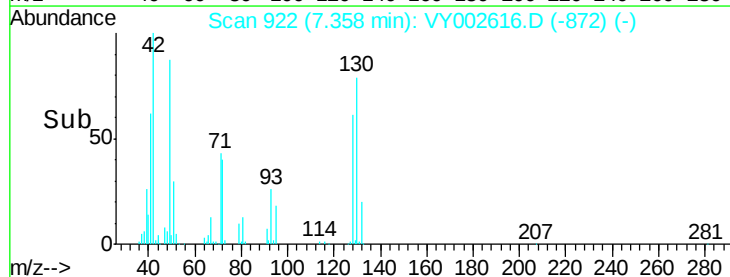
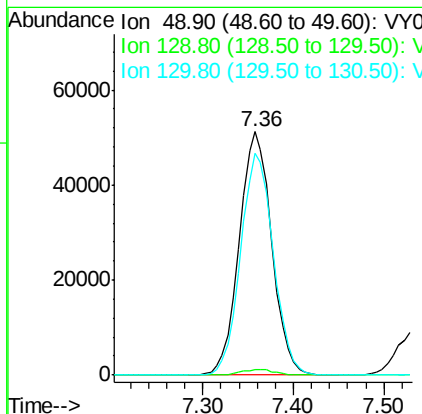
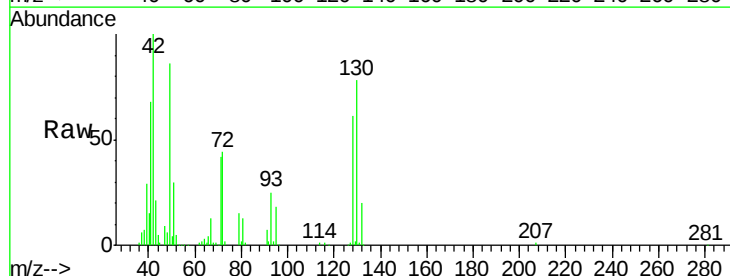
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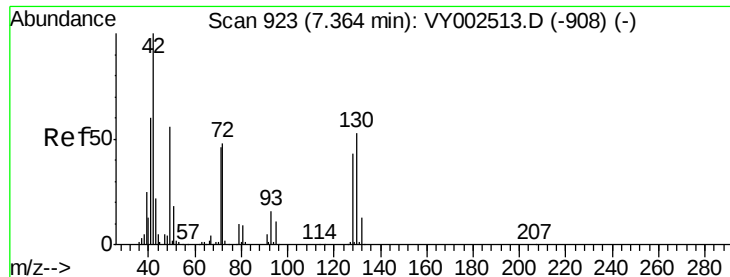


#28

Bromochloromethane
Concen: 54.010 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	127387		
129	2.4		0.0	4.8
130	91.9		72.5	108.7





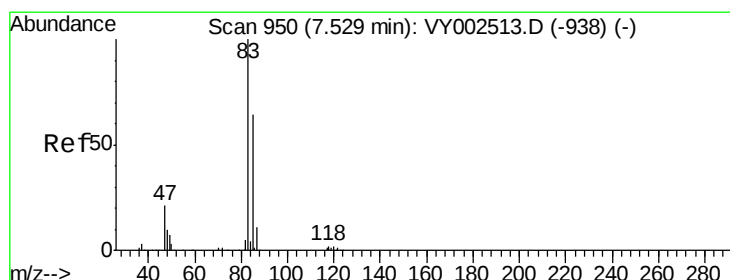
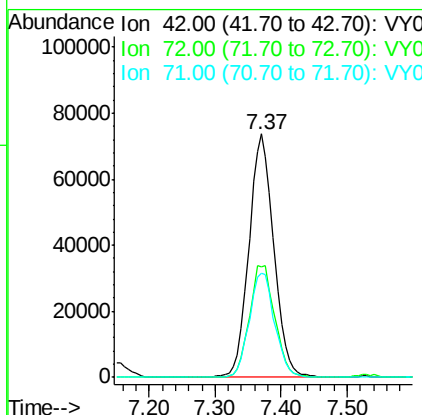
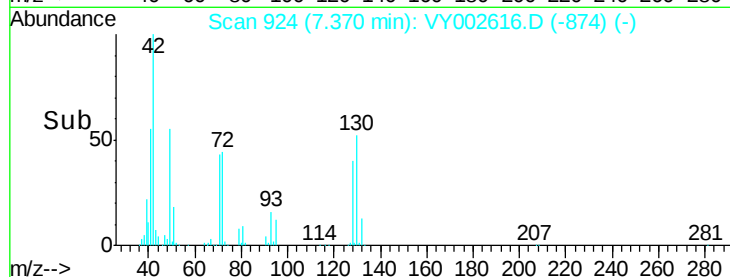
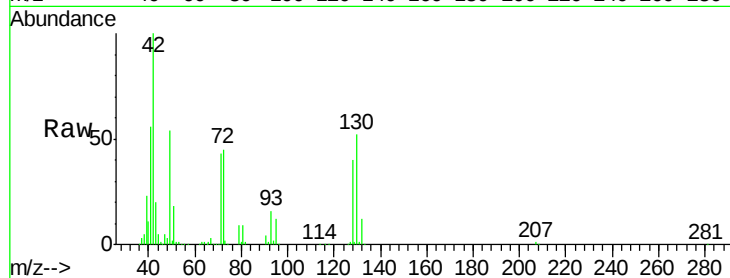
#29
Tetrahydrofuran
Concen: 268.111 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	193191
Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	43.9	35.0	52.4

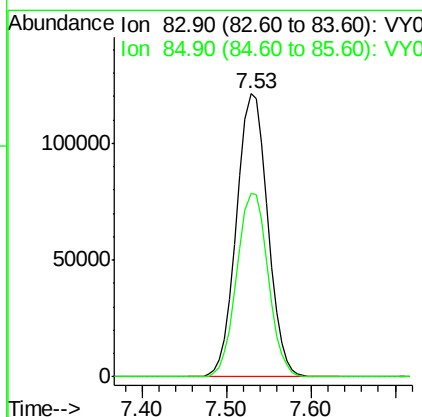
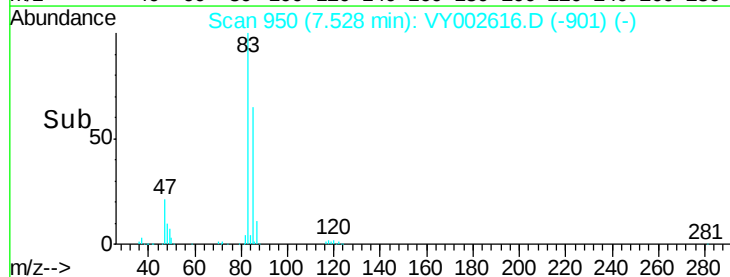
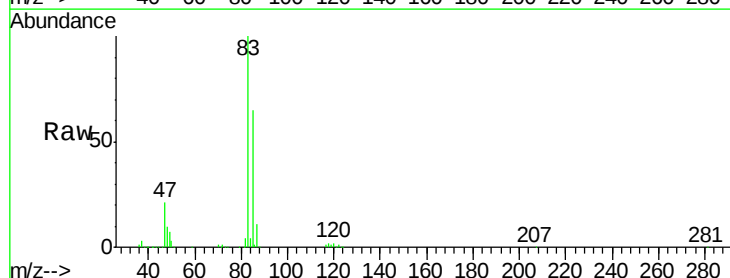
Manual Integrations
APPROVED

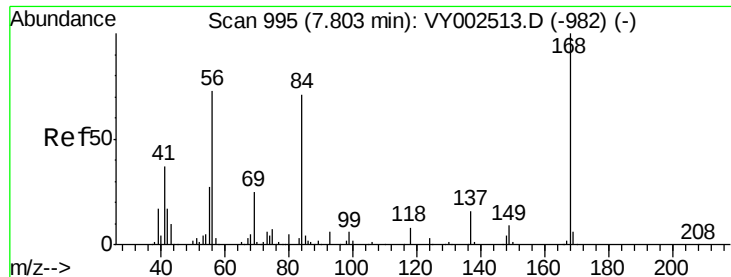
MMDadoda
5/7/2020 10:35:32 AM



#30
Chloroform
Concen: 50.804 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion:	83	Resp:	304087
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 49.370 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

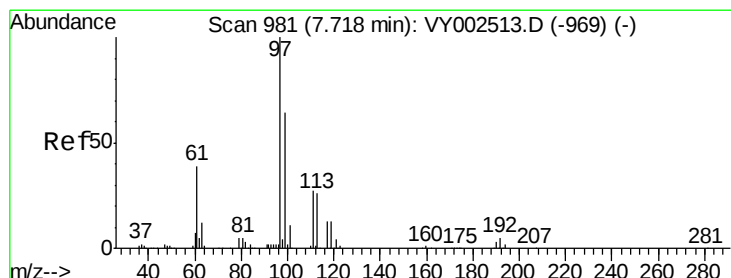
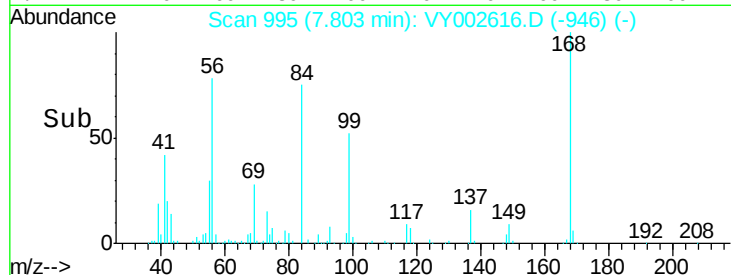
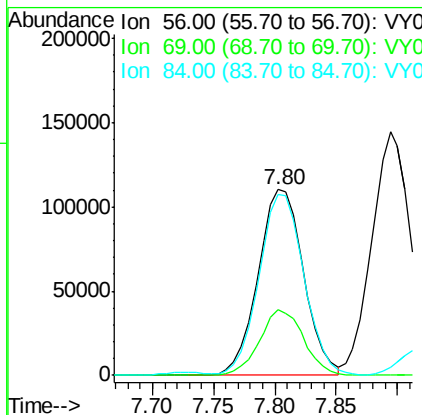
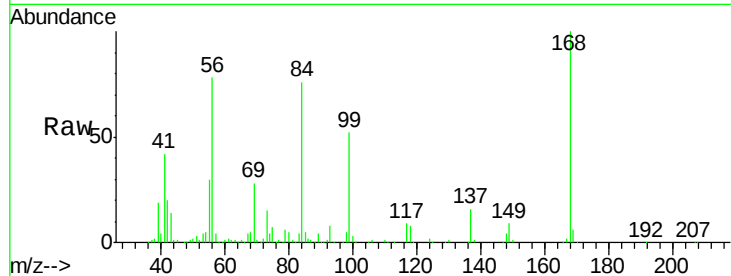
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	286072
Ion Ratio	Lower	Upper	
56	100		
69	35.4	27.6	41.4
84	95.5	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.684 ug/l

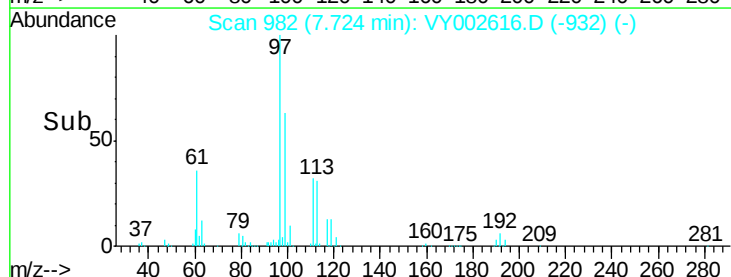
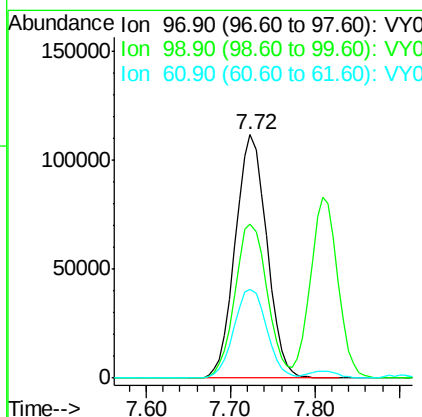
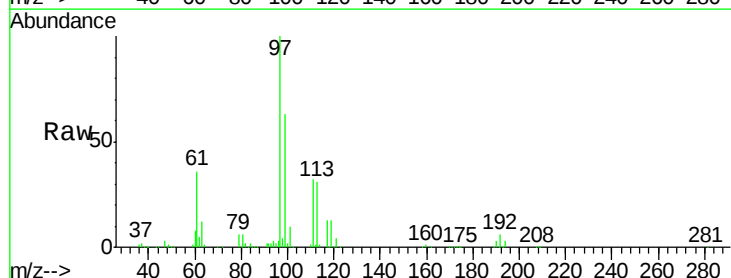
RT: 7.72 min Scan# 982

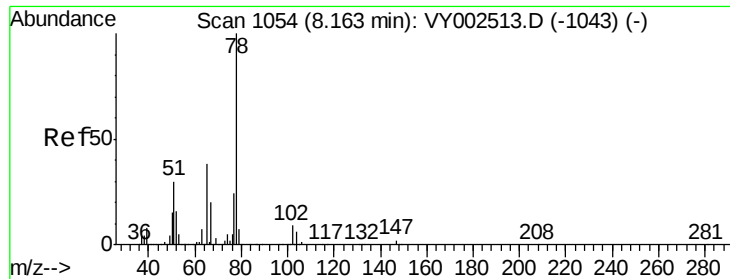
Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	97	Resp:	281971
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.9	77.9
61	38.0	31.0	46.6





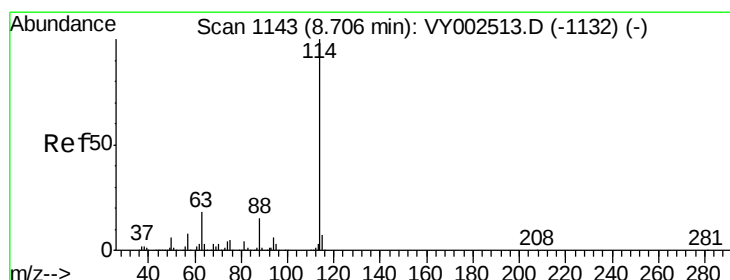
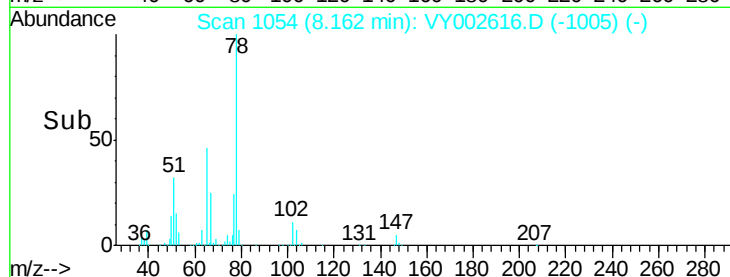
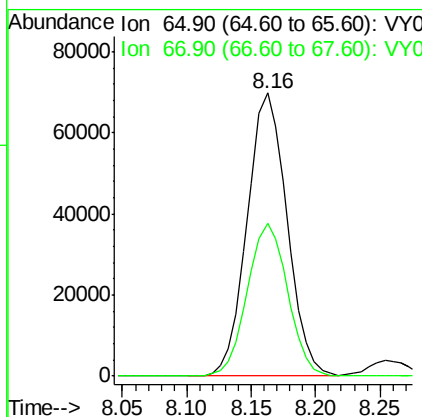
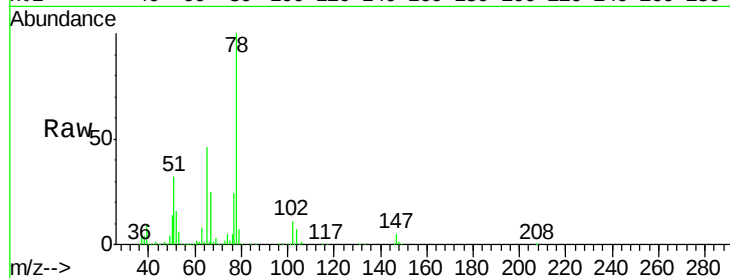
#33
 1,2-Dichloroethane-d4
 Concen: 46.436 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149701		
67	54.6	0.0	107.2	

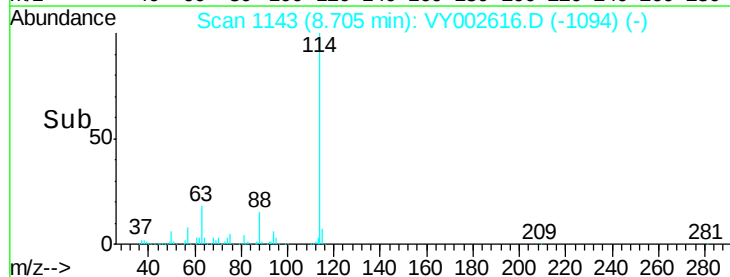
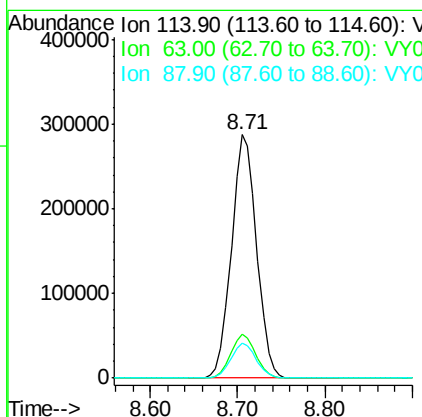
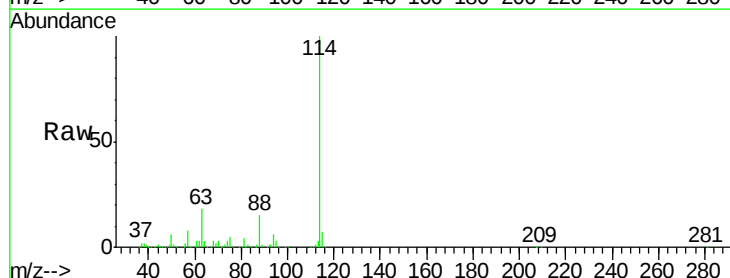
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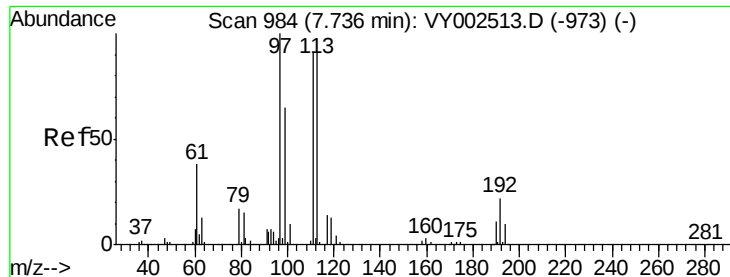
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 5/7/2020 10:35:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	572280		
63	17.9	0.0	36.4	
88	14.6	0.0	29.6	





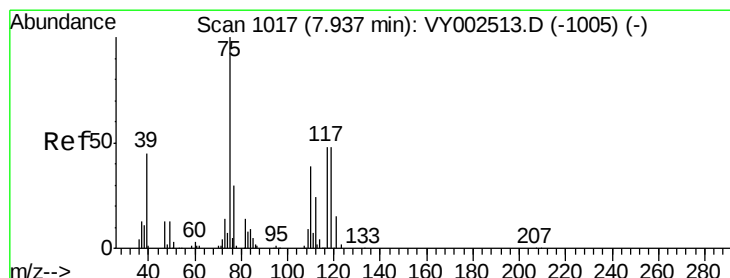
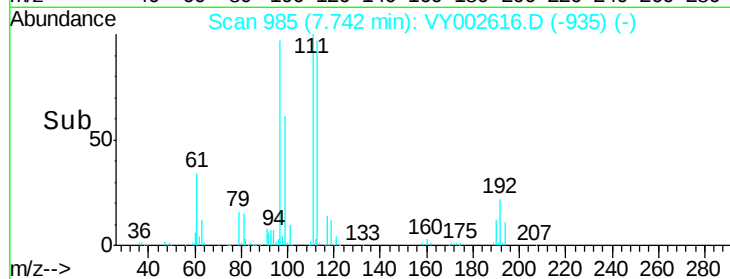
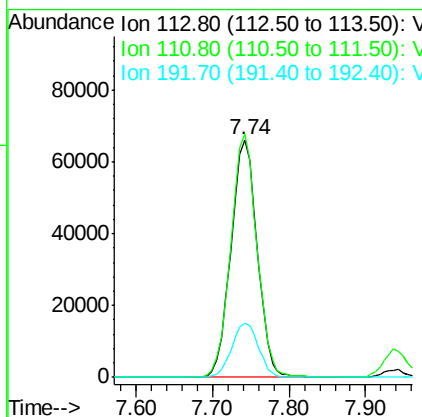
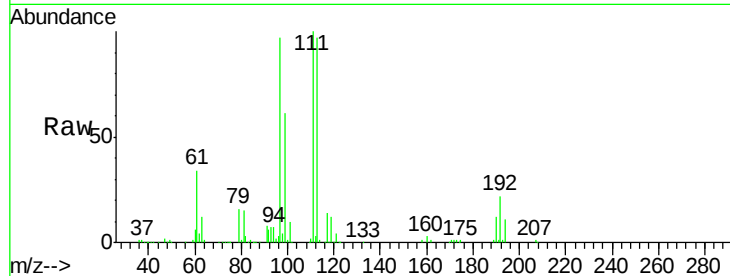
#35
 Dibromofluoromethane
 Concen: 48.015 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	23.2	18.2	27.4

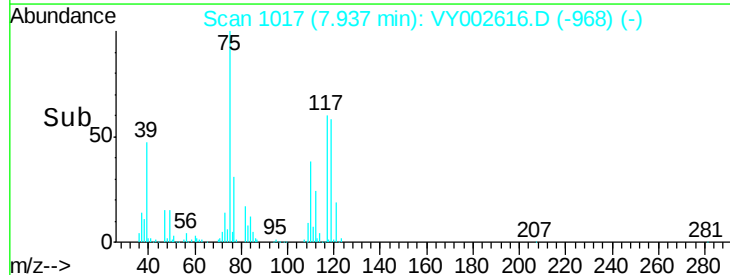
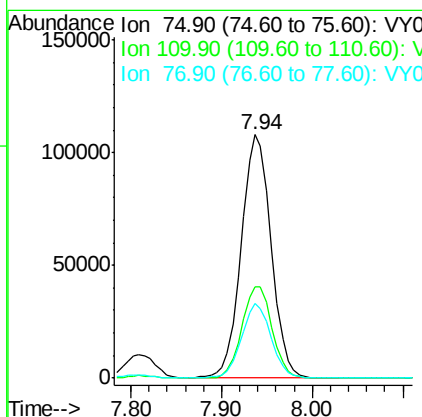
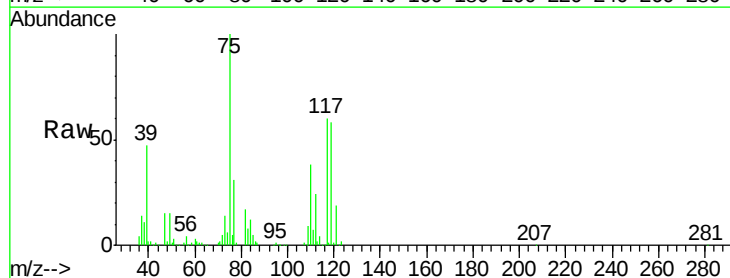
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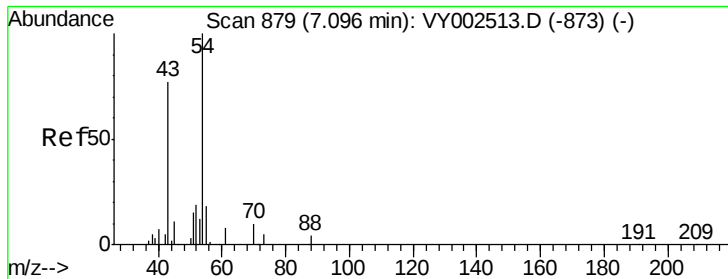
MMDadoda
 5/7/2020 10:35:32 AM



#36
 1,1-Dichloropropene
 Concen: 51.310 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	30.6	24.6	37.0





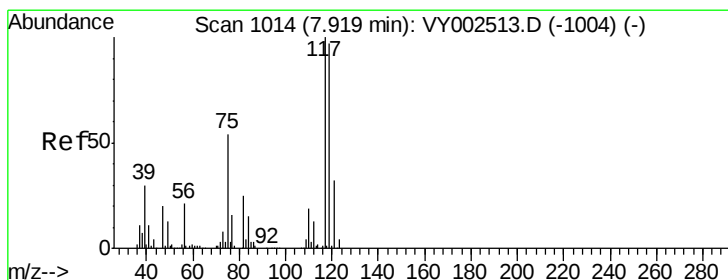
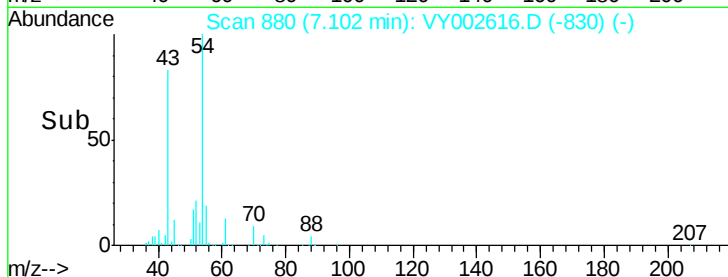
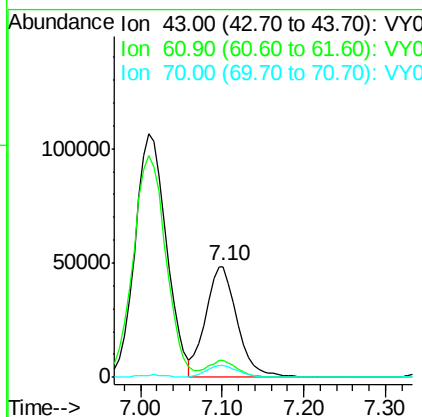
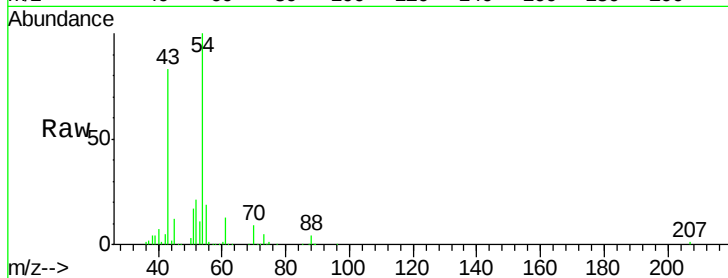
#37
Ethyl Acetate
Concen: 53.245 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.6	17.4
70	10.9	9.0	13.6

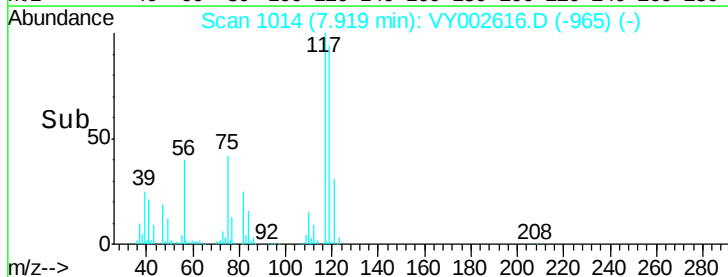
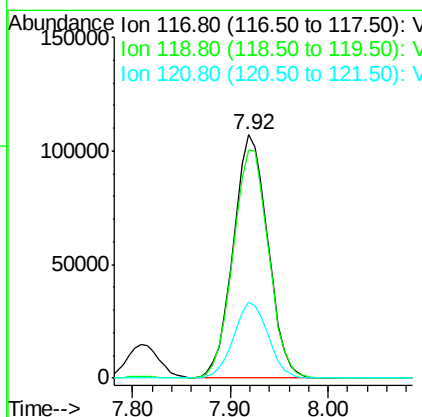
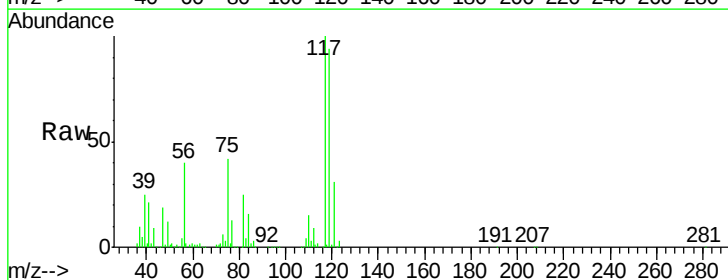
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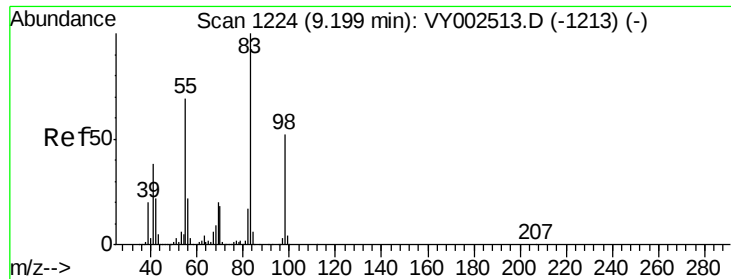
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5/7/2020 10:35:32 AM



#38
Carbon Tetrachloride
Concen: 50.257 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.1	115.7
121	31.0	25.2	37.8





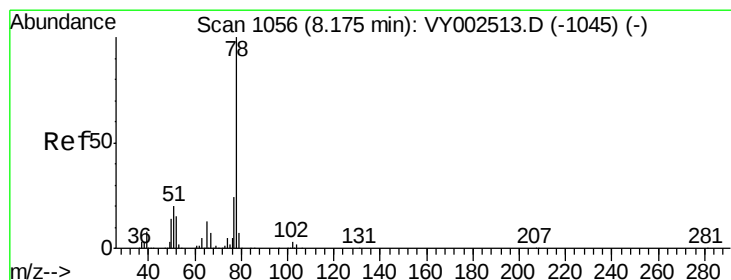
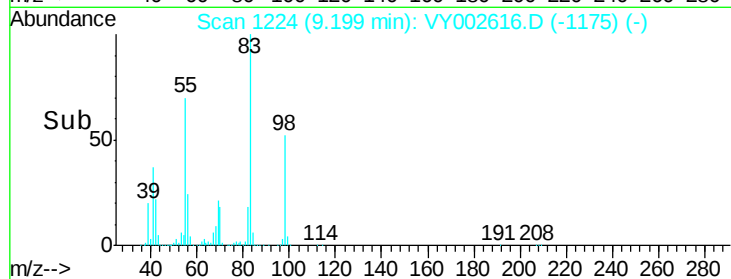
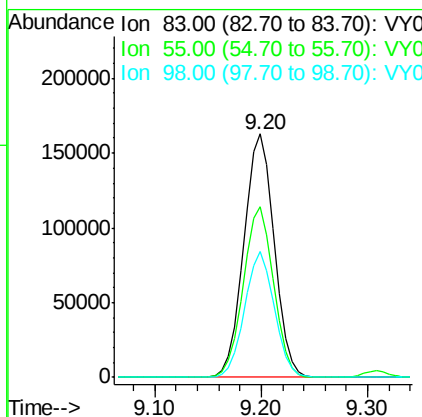
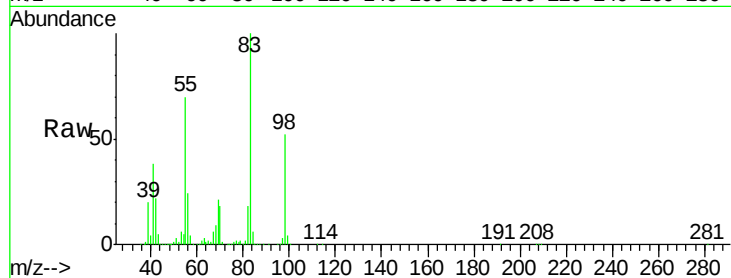
#39
Methvlcvclohexane
Concen: 51.606 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	55.4	83.0
98	51.9	41.3	61.9

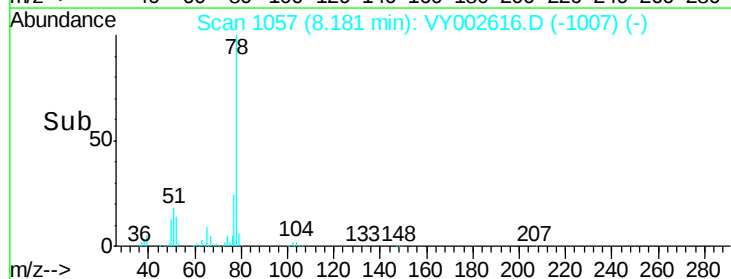
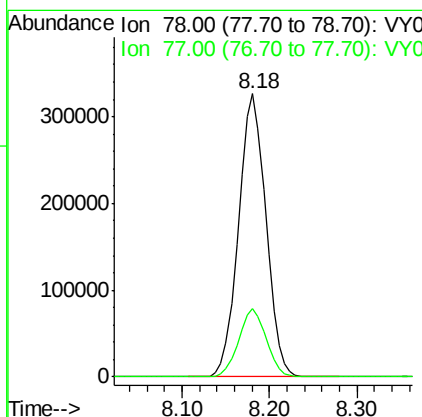
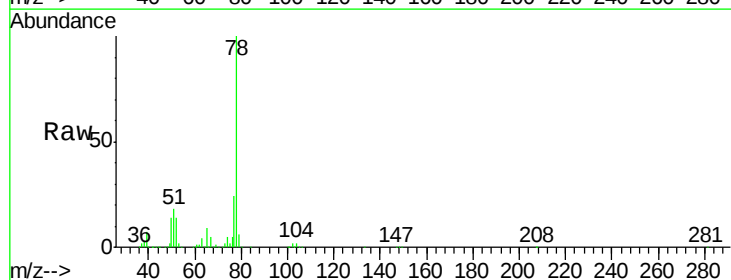
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#40
Benzene
Concen: 51.140 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





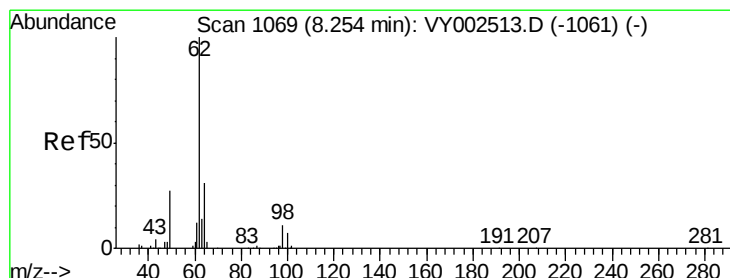
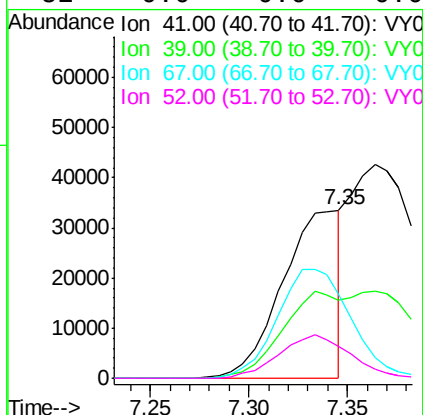
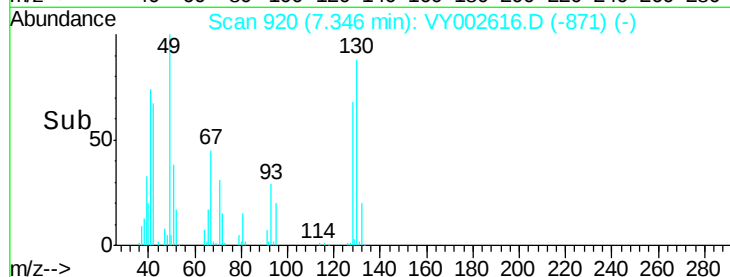
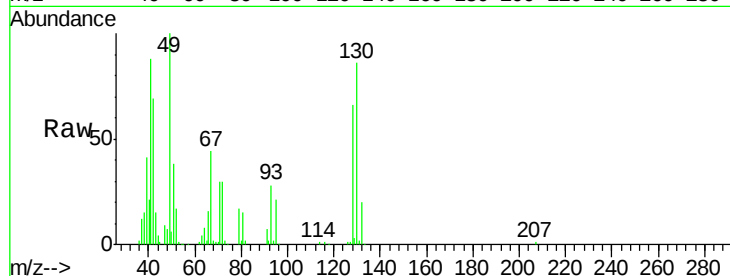
#41
Methacrylonitrile
Concen: 52.376 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	69425
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

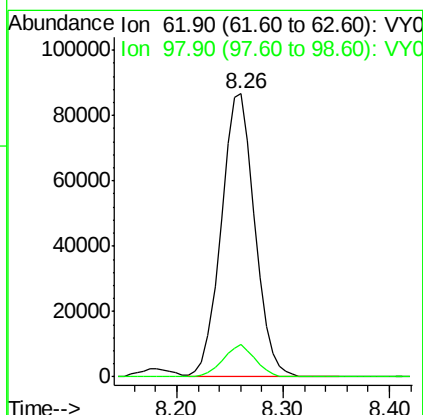
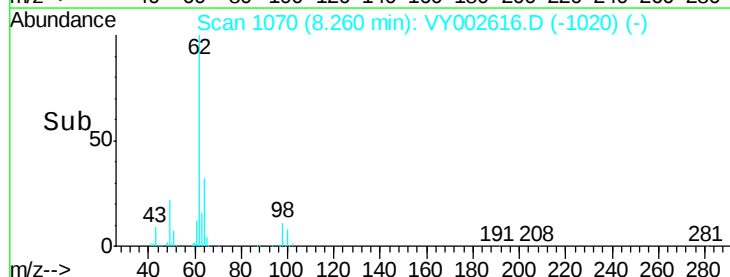
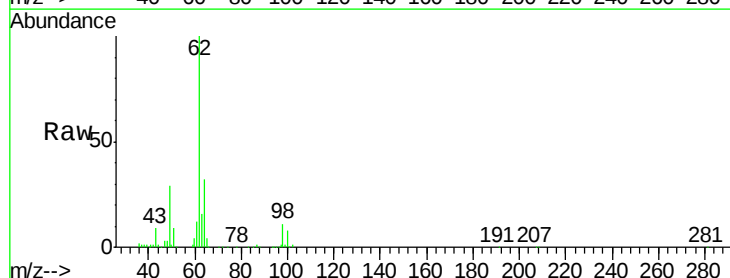
Manual Integrations
APPROVED

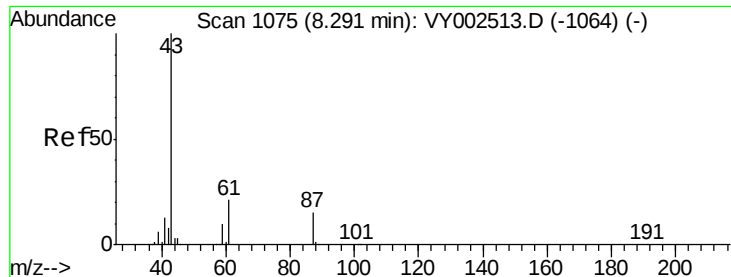
MMDadoda
5/7/2020 10:35:32 AM



#42
1,2-Dichloroethane
Concen: 48.897 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	62	Resp	190044
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 52.554 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

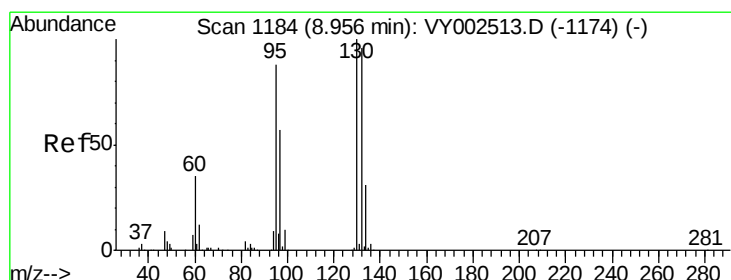
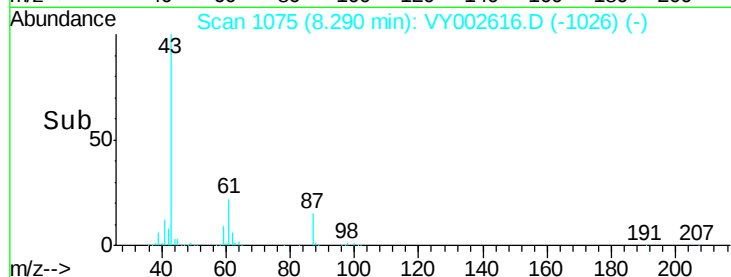
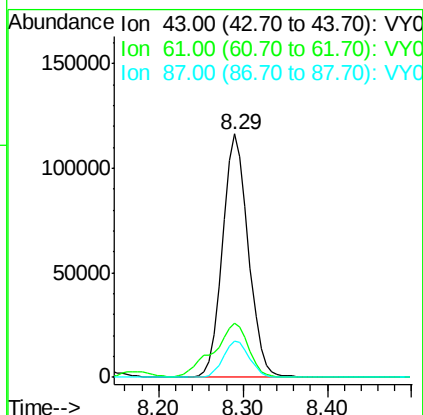
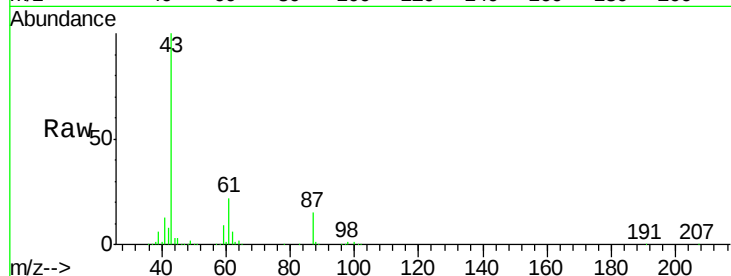
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	242891
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.8	37.2
87	15.1	12.2	18.2

Manual Integrations
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#44

Trichloroethene

Concen: 51.755 ug/l

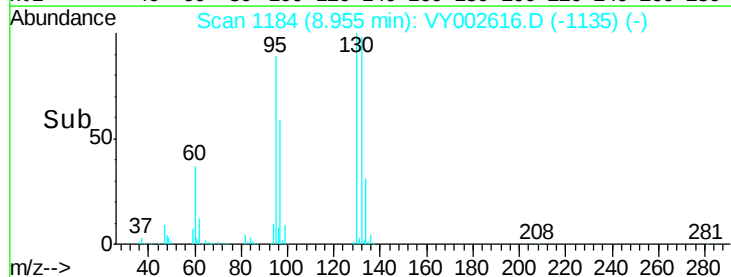
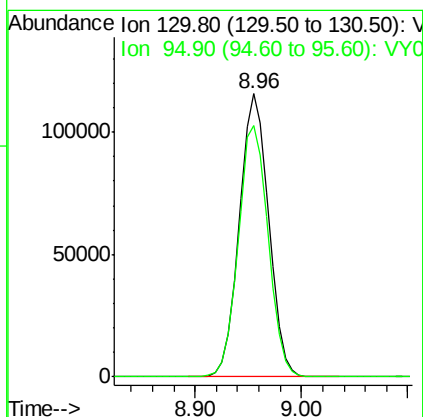
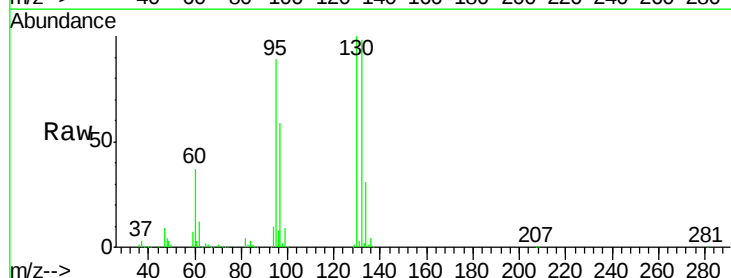
RT: 8.96 min Scan# 1184

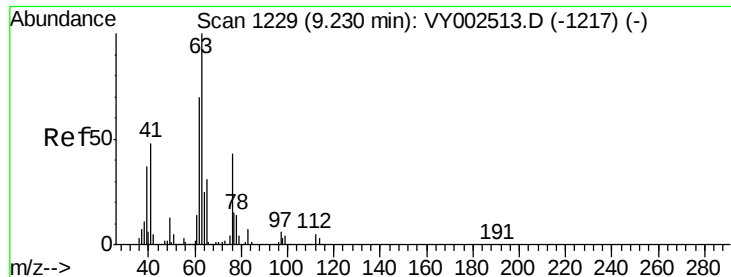
Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	130	Resp:	224112
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	175.8





#45

1,2-Dichloropropane

Concen: 51.340 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 171686

Ion Ratio Lower Upper

63 100

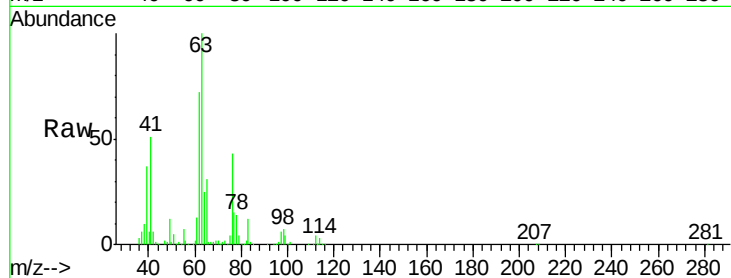
65 30.8 24.5 36.7

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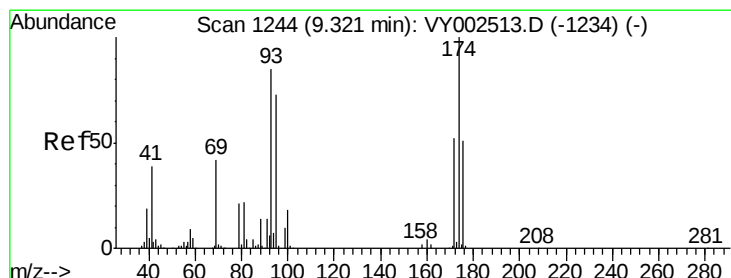
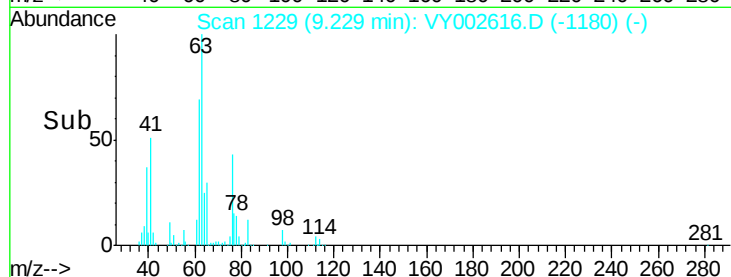
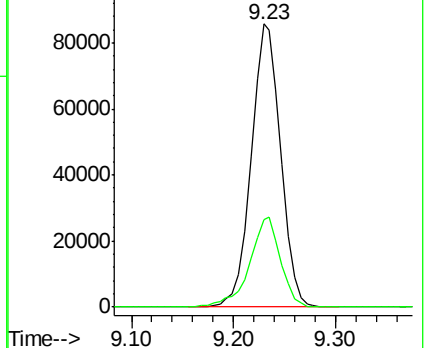
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 50.311 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

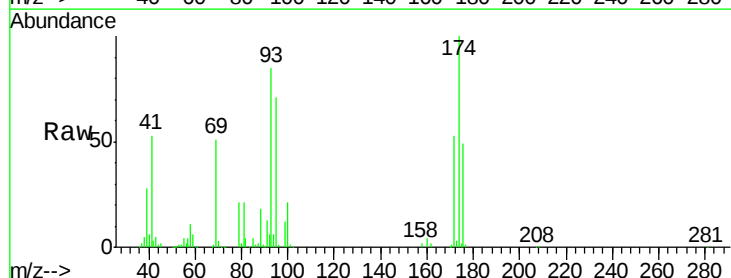
Tgt Ion: 93 Resp: 96801

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

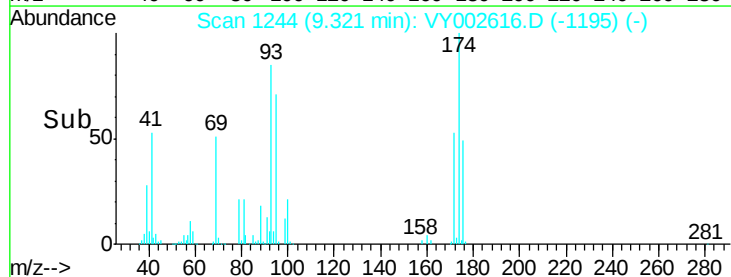
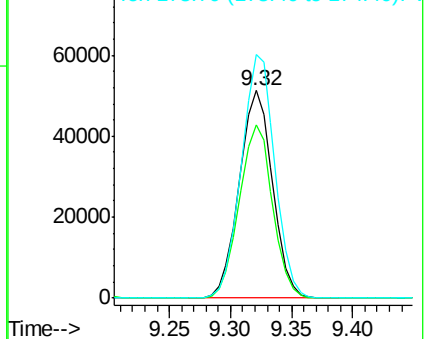
174 117.9 92.7 139.1

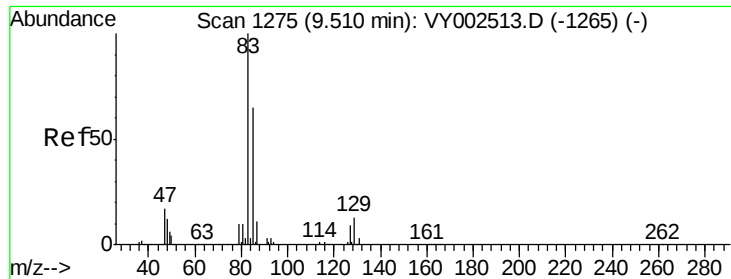


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.346 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

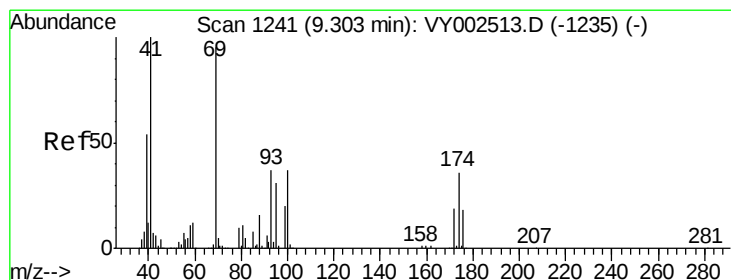
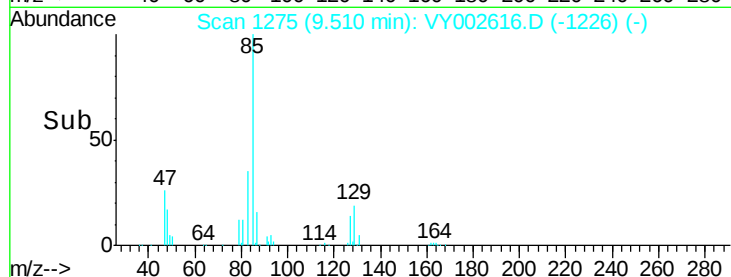
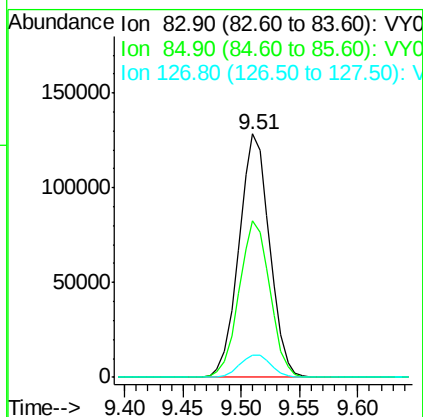
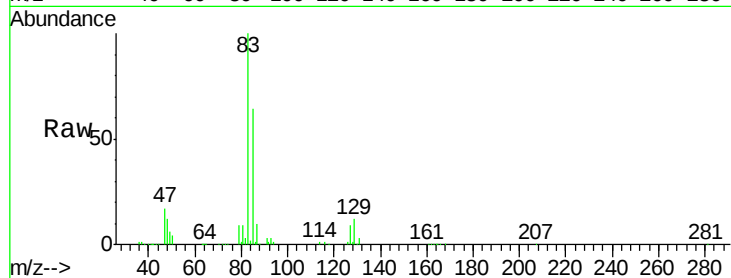
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	235539
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.8	77.8
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.386 ug/l

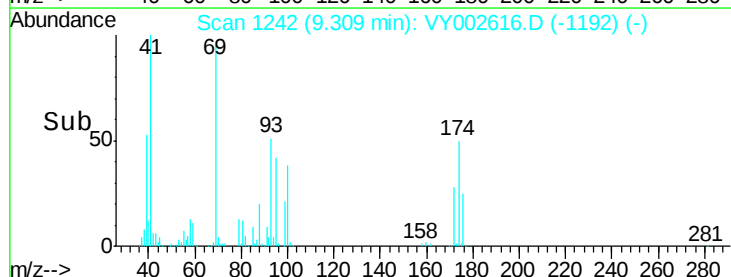
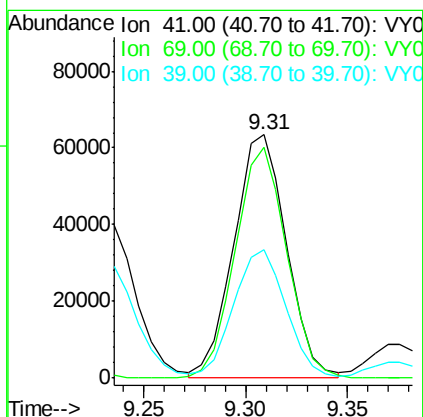
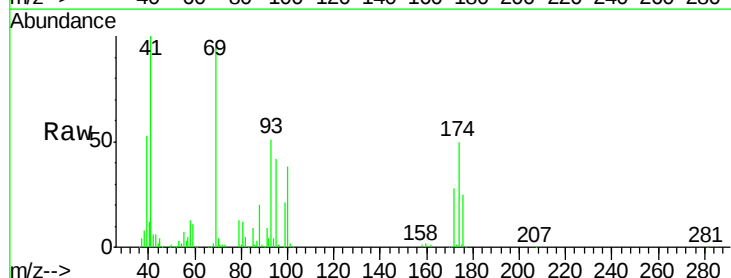
RT: 9.31 min Scan# 1242

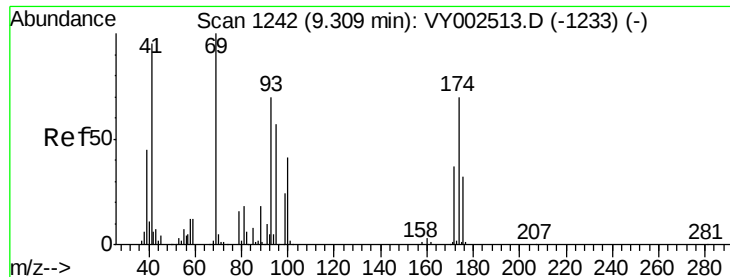
Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	41	Resp:	113758
Ion Ratio	Lower	Upper	
41	100		
69	92.8	76.2	114.4
39	52.6	42.7	64.1





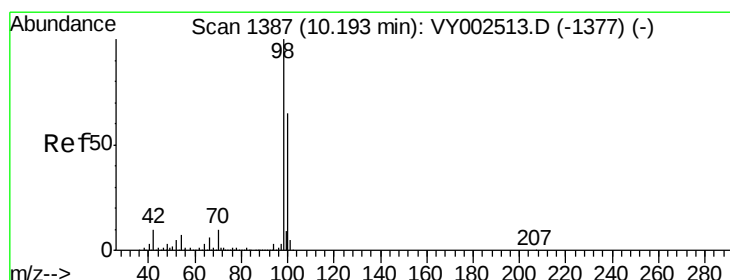
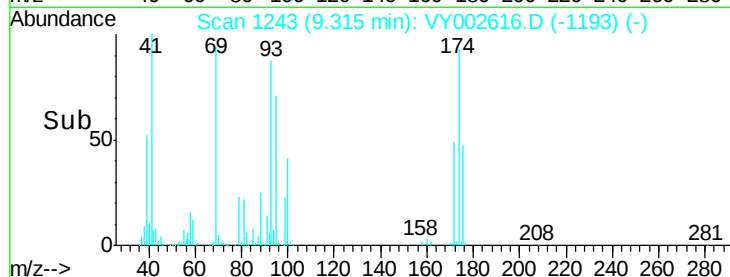
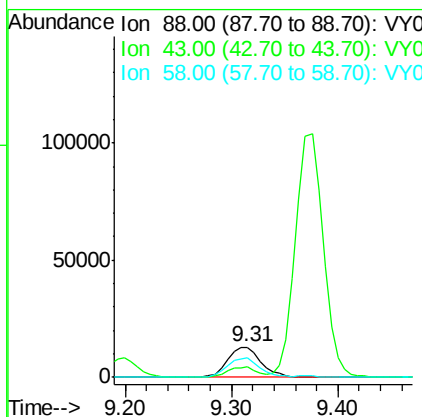
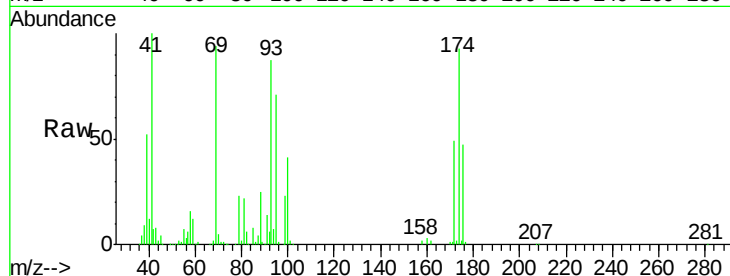
#49
1,4-Dioxane
Concen: 1126.188 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	28690
Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.8	34.2
58	62.0	51.4	77.2

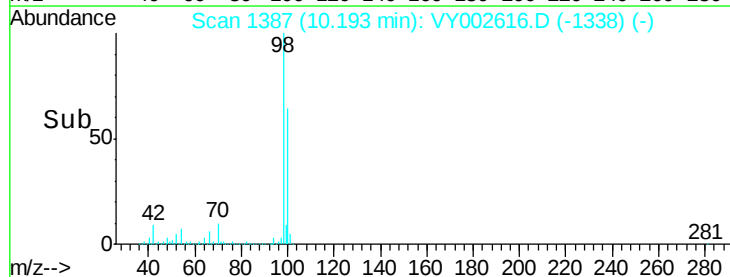
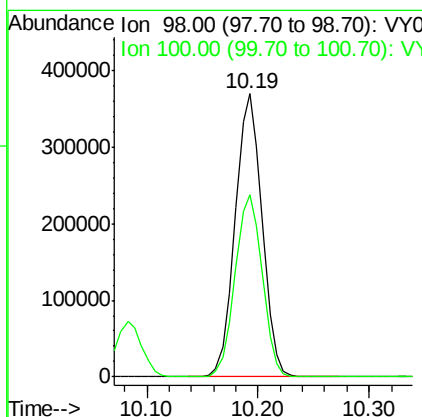
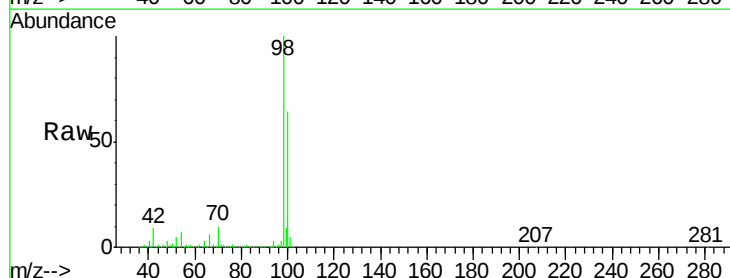
Manual Integrations
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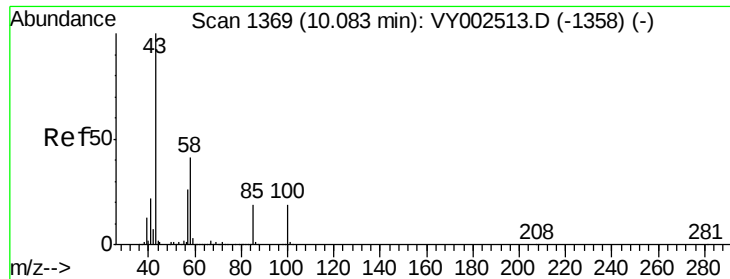
MMDadoda
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#50
Toluene-d8
Concen: 48.196 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	98	Resp	616004
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 270.120 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 643487

Ion Ratio Lower Upper

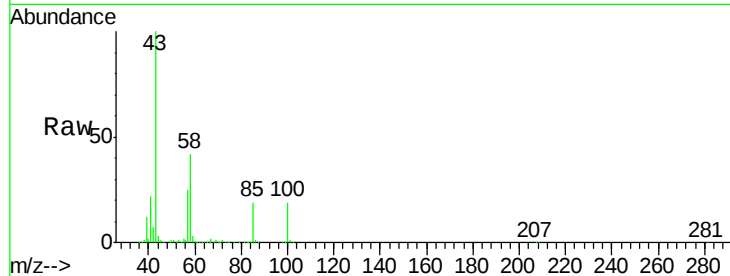
43 100

58 41.7 33.2 49.8

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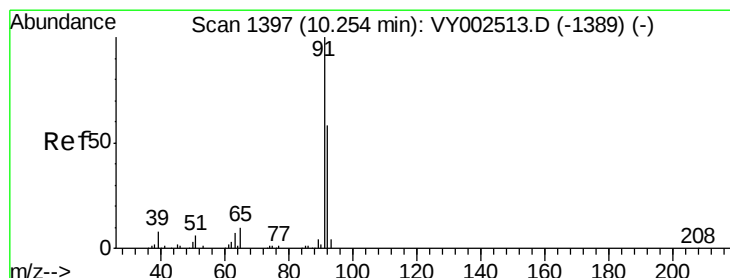
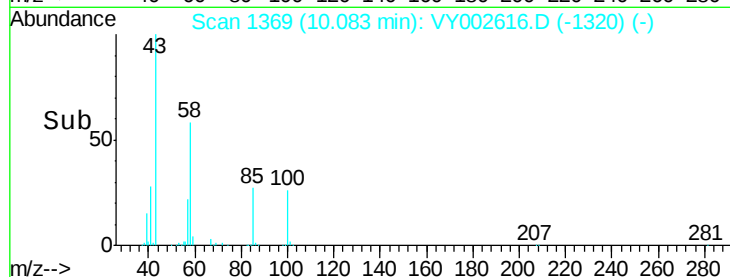
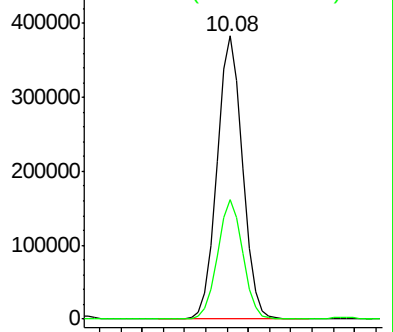
MMDadoda

5/7/2020 10:35:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 51.386 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002616.D

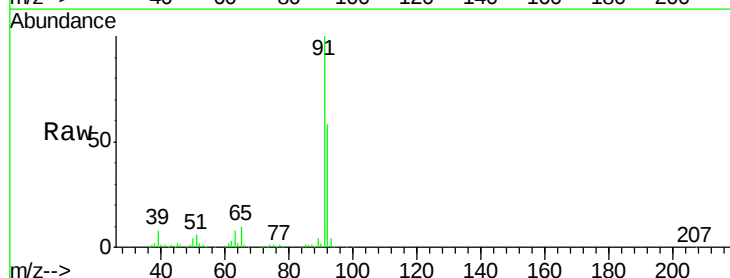
Acq: 06 May 2020 16:17

Tgt Ion: 92 Resp: 457591

Ion Ratio Lower Upper

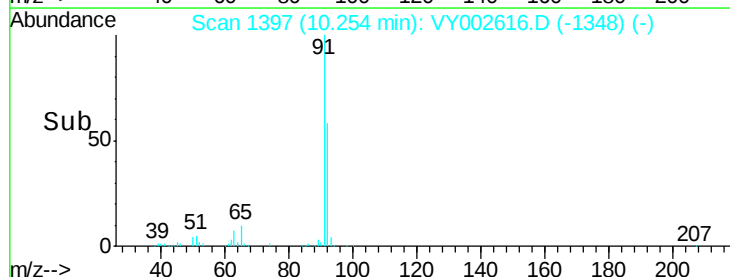
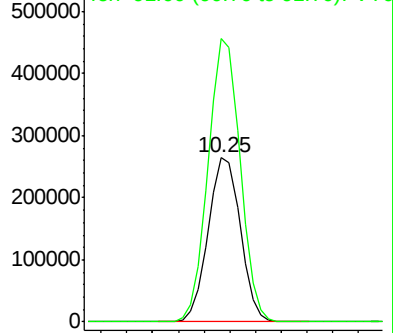
92 100

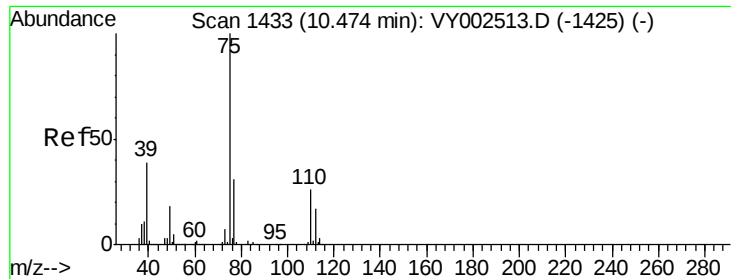
91 171.5 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 51.651 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 253186

Ion Ratio Lower Upper

75 100

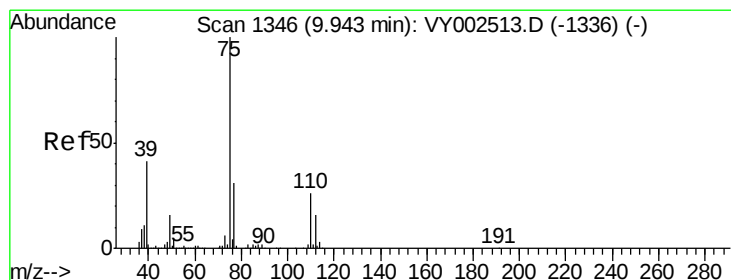
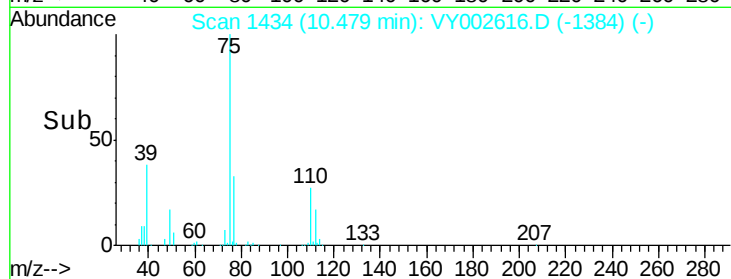
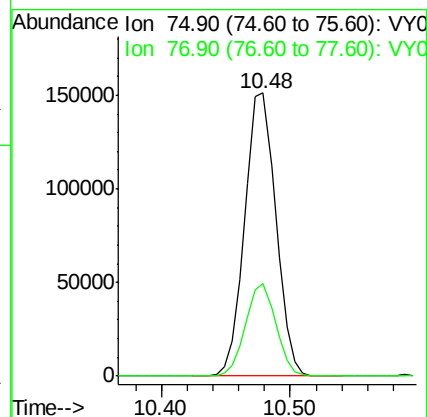
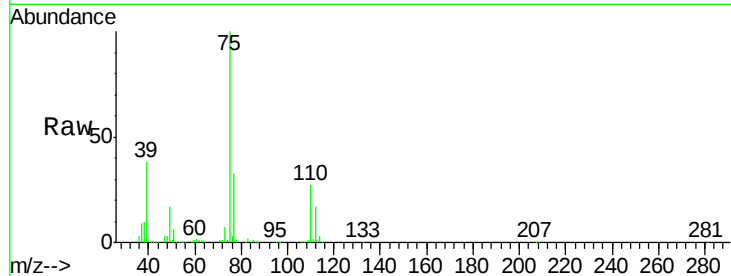
77 32.6 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.292 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

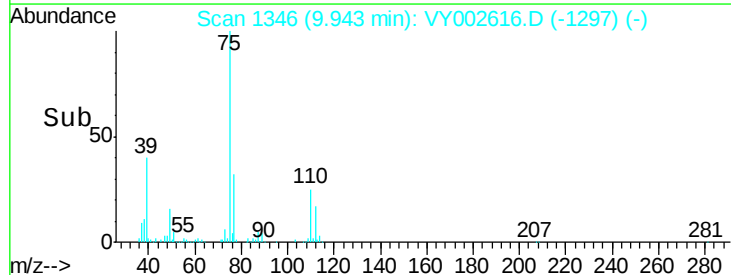
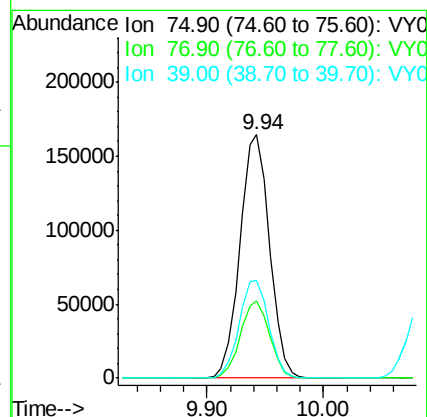
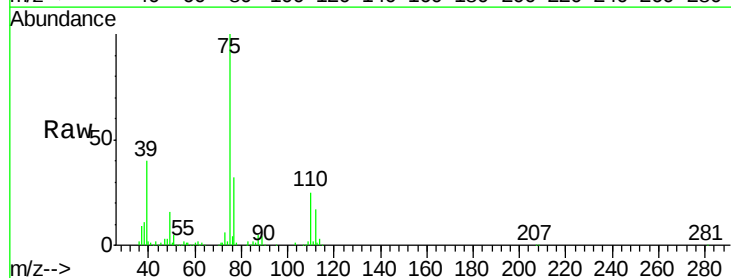
Tgt Ion: 75 Resp: 290661

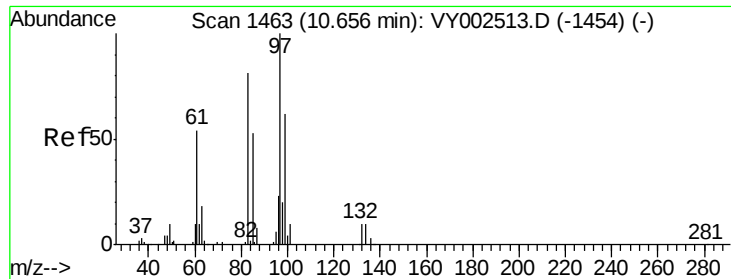
Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 40.1 32.7 49.1





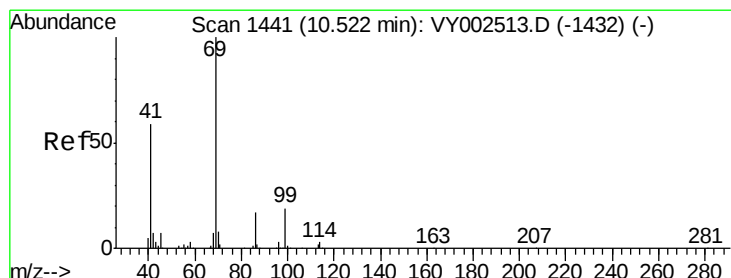
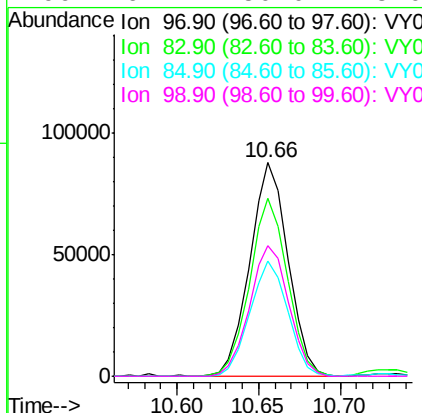
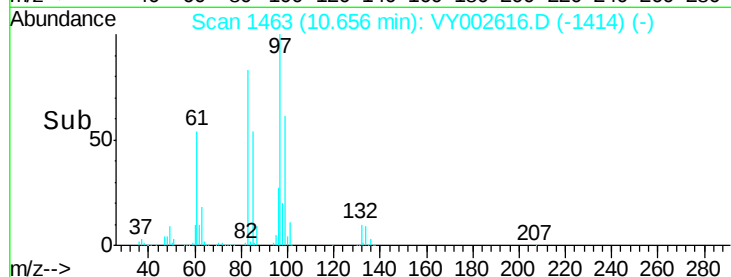
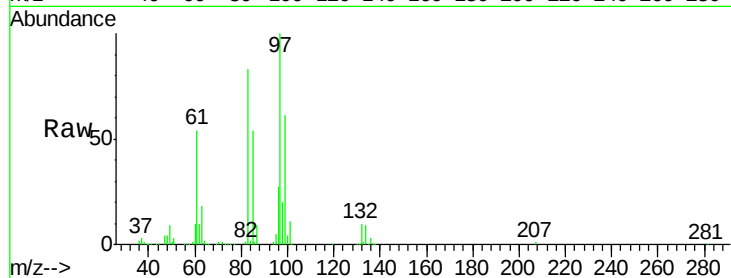
#55
 1,1,2-Trichloroethane
 Concen: 51.131 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	143464
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.1	97.7
85	53.8	42.7	64.1
99	61.4	50.0	75.0

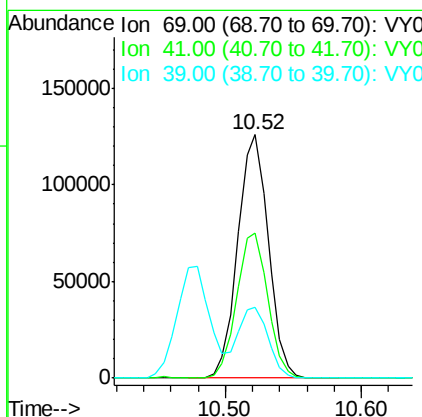
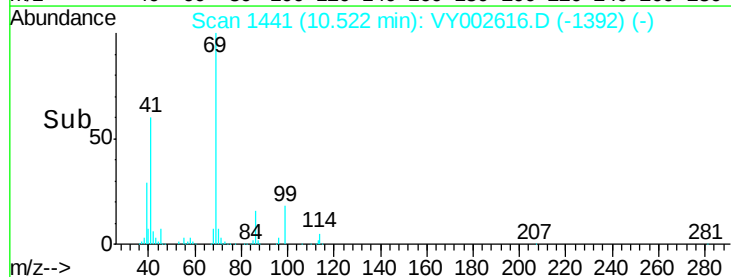
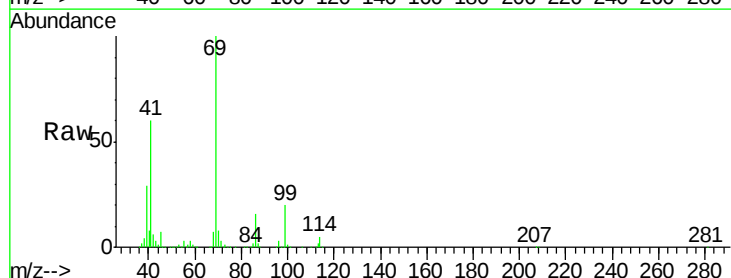
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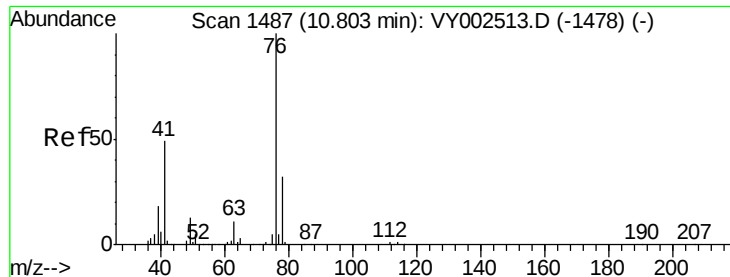
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#56
 Ethyl methacrylate
 Concen: 53.098 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion:	69	Resp:	198193
Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.6	73.0
39	29.7	25.0	37.4





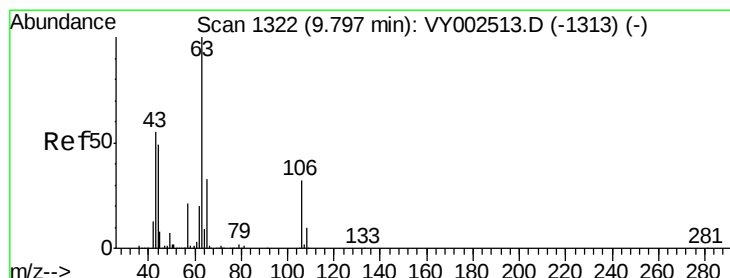
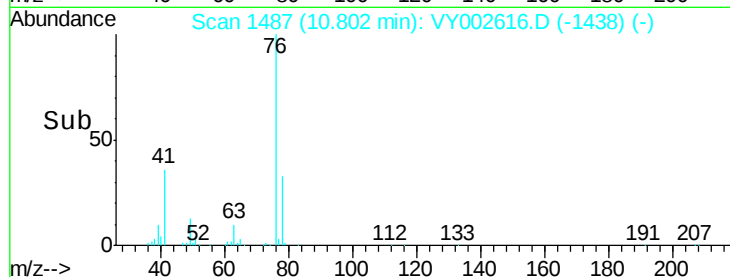
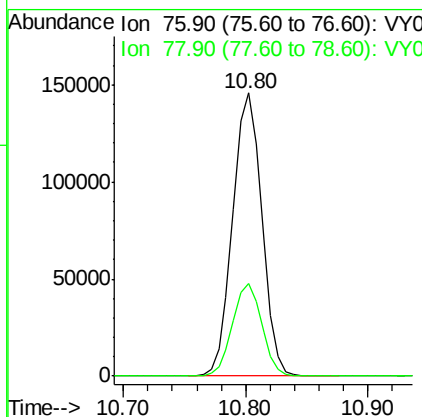
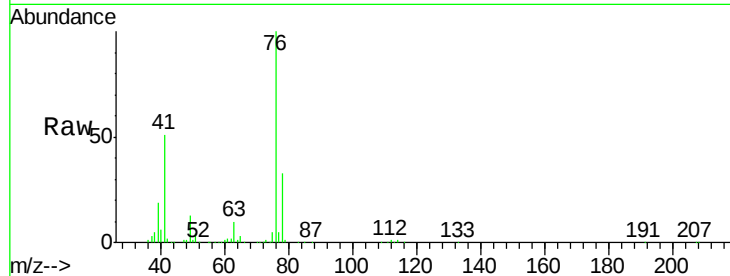
#57
 1,3-Dichloropropane
 Concen: 50.518 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.2

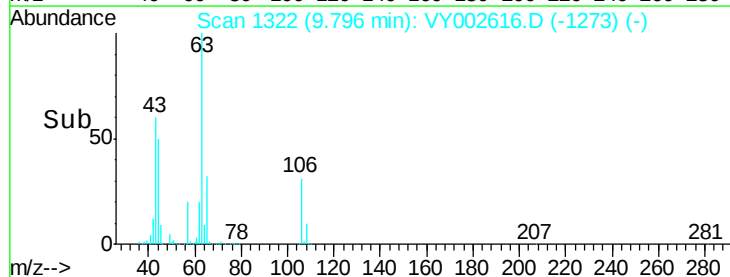
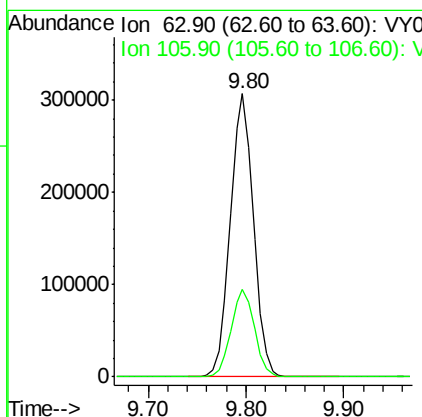
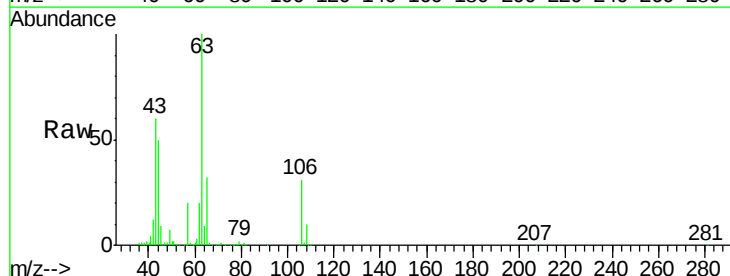
Manual Integrations
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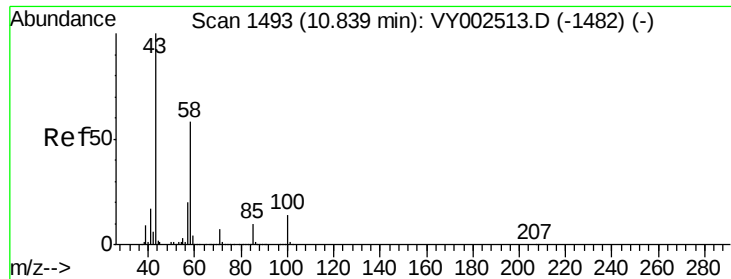
MMDadoda
 5/7/2020 10:35:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.788 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	25.2	37.8





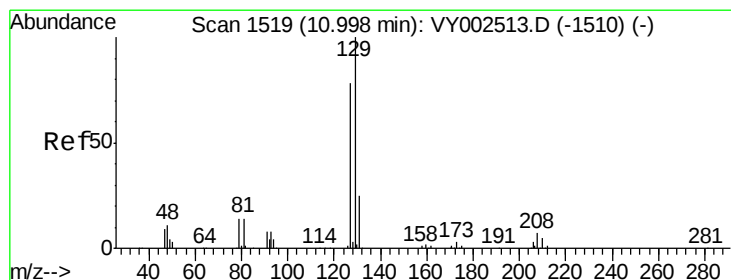
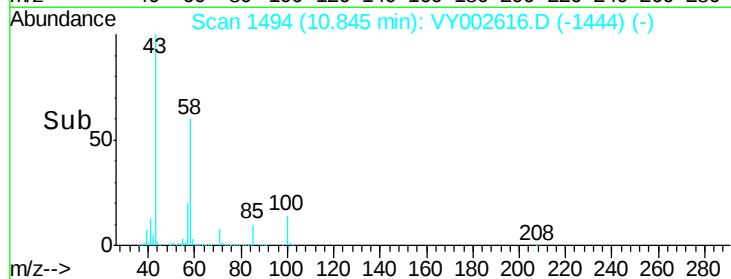
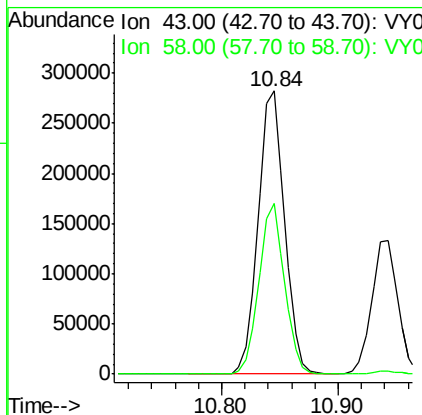
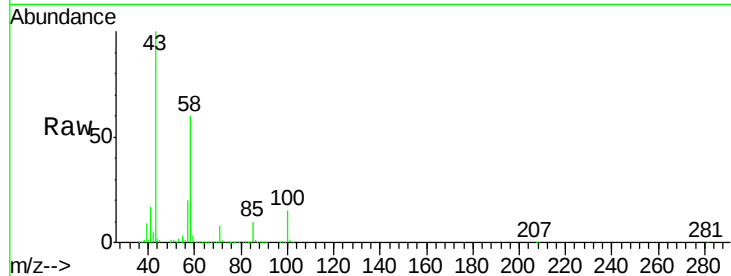
#59
2-Hexanone
Concen: 271.374 ug/l
RT: 10.84 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 444948
Ion Ratio Lower Upper
43 100
58 58.5 29.1 87.3

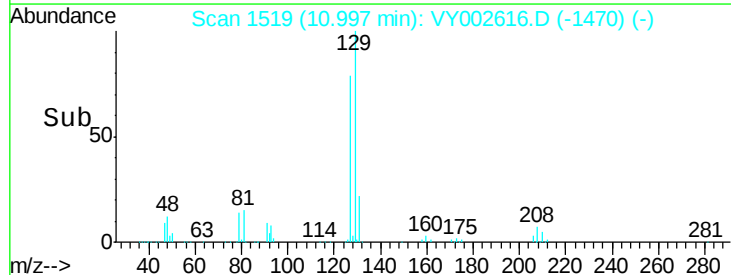
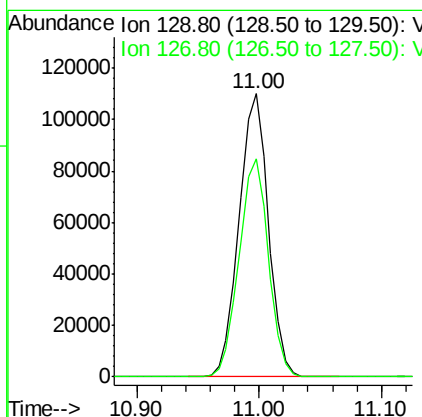
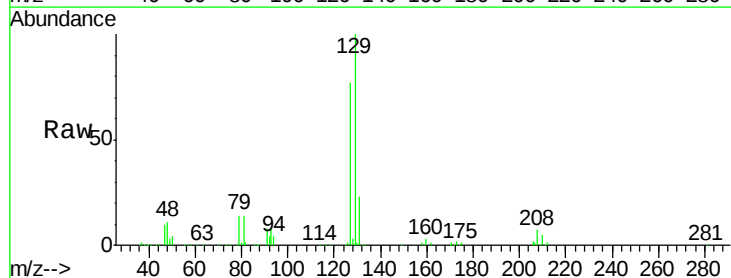
Manual Integrations
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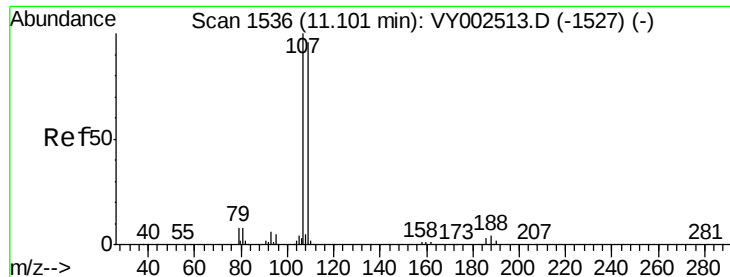
MMDadoda
5/7/2020 10:35:32 AM



#60
Dibromochloromethane
Concen: 51.221 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion: 129 Resp: 182788
Ion Ratio Lower Upper
129 100
127 77.2 39.0 117.0





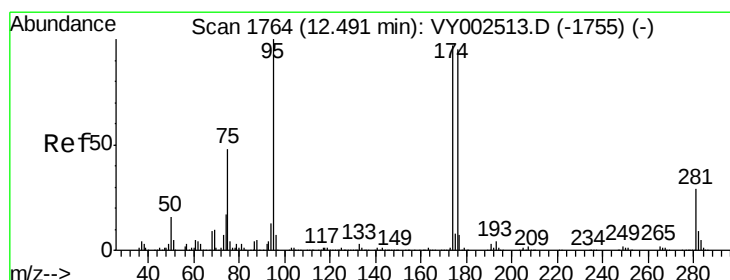
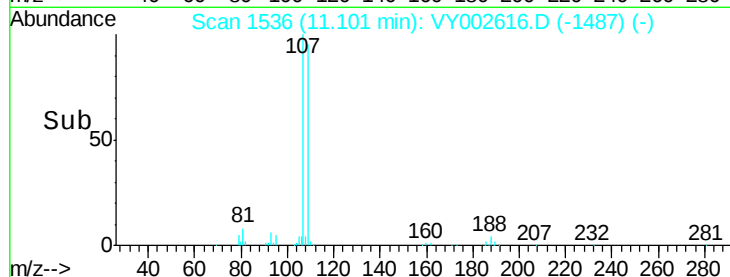
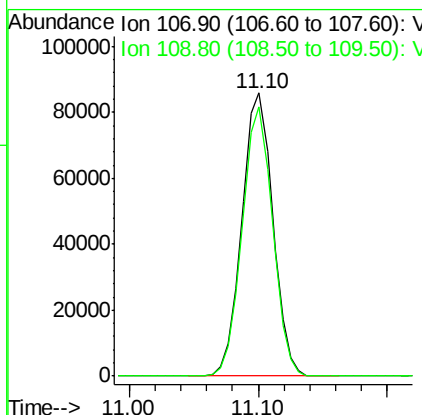
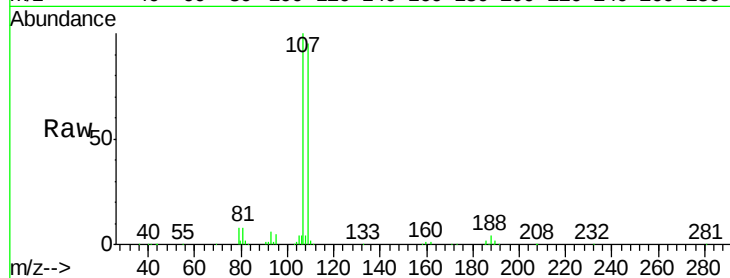
#61
 1,2-Dibromoethane
 Concen: 51.318 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.8	113.8

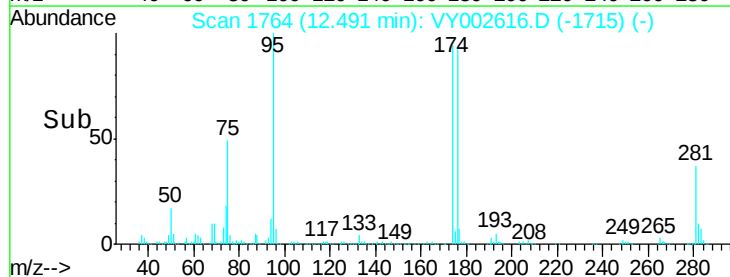
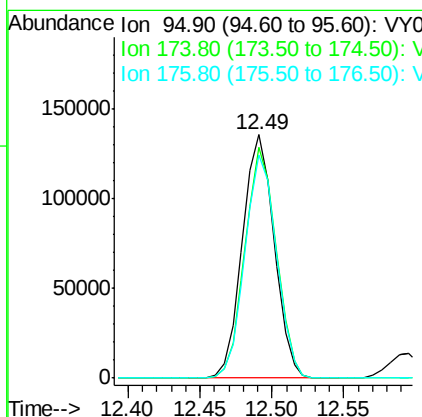
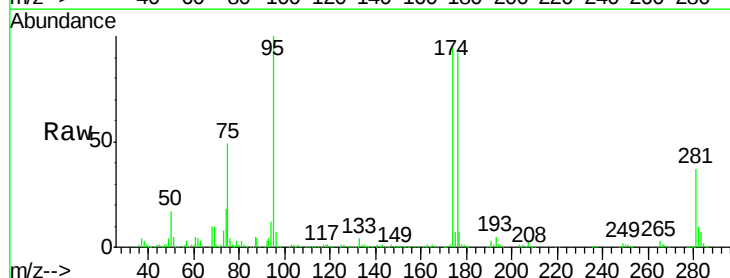
Manual Integrations
 APPROVED

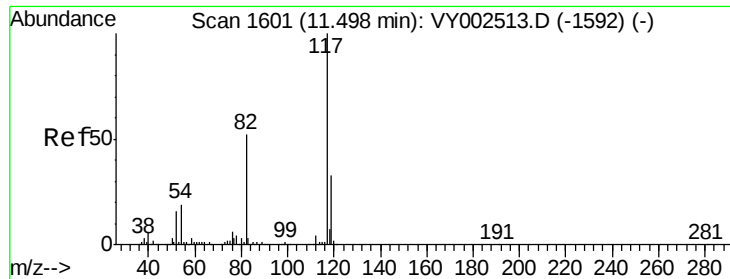
MMDadoda
 5/7/2020 10:35:32 AM



#62
 4-Bromofluorobenzene
 Concen: 47.960 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	188.8
176	90.9	0.0	183.2





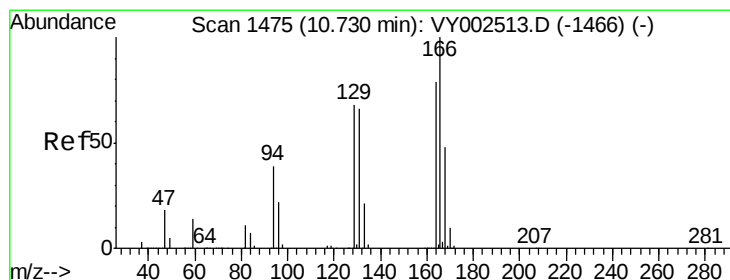
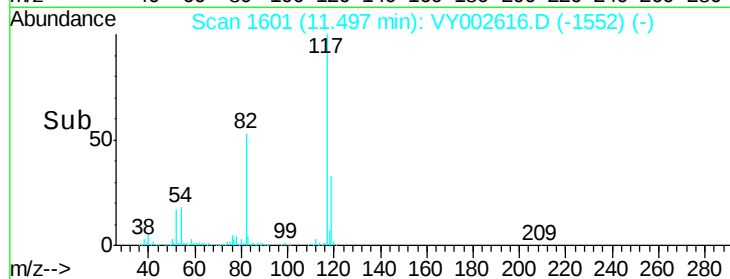
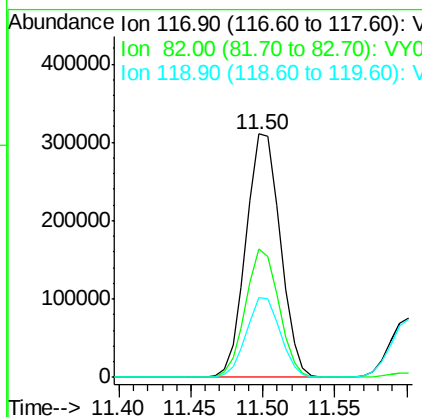
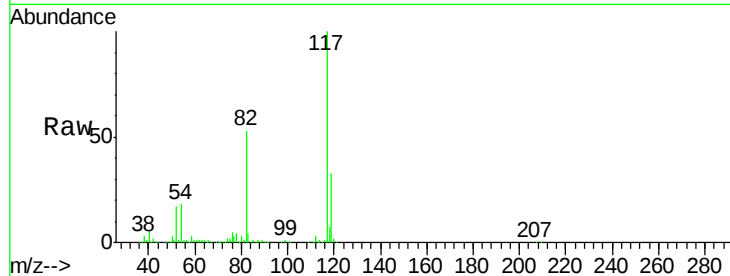
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	512868		
82	52.6		41.3	61.9
119	32.8		26.0	39.0

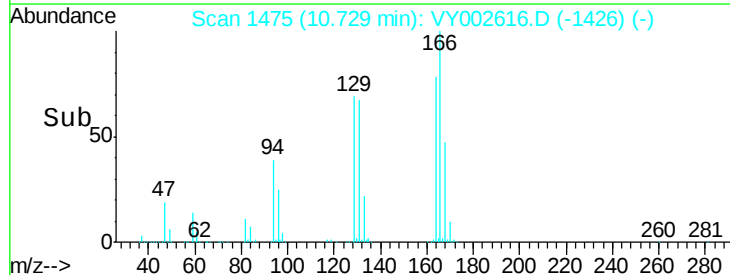
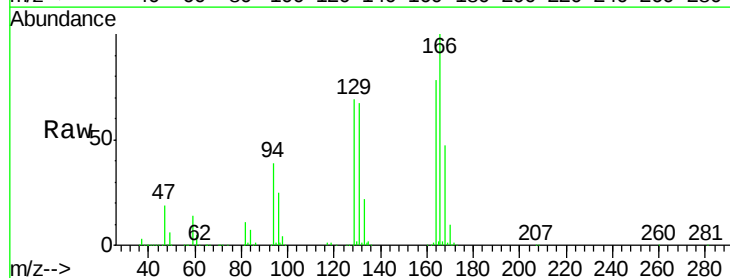
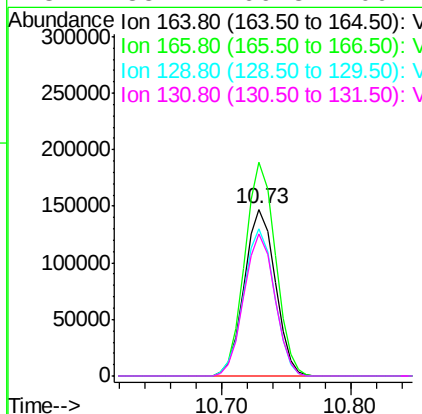
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 53.525 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243903		
166	127.9		100.7	151.1
129	87.9		68.3	102.5
131	85.4		66.8	100.2





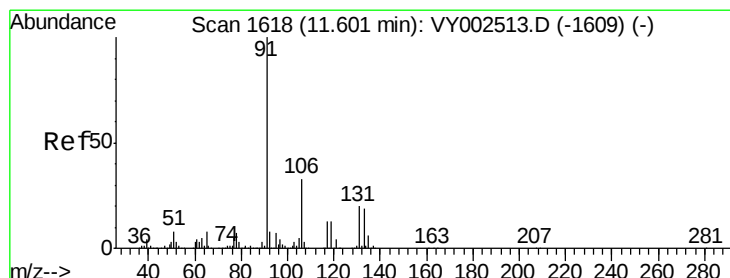
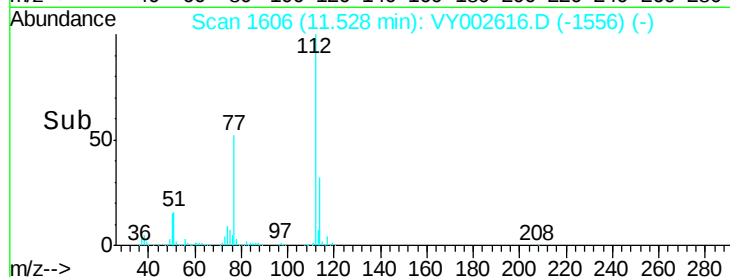
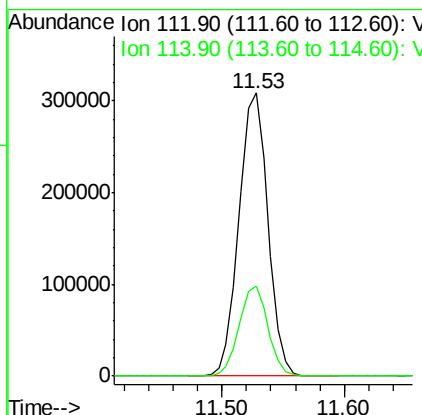
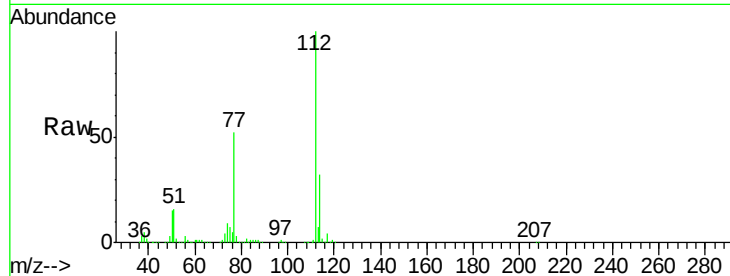
#65
Chlorobenzene
Concen: 51.714 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 504189
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

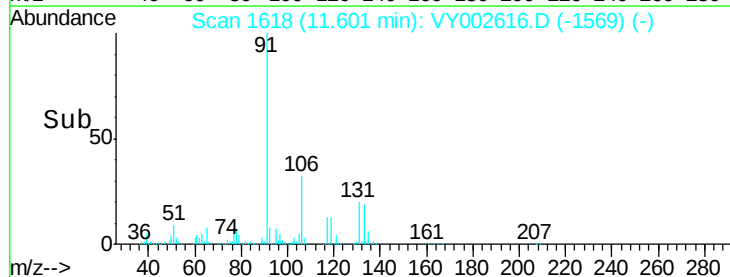
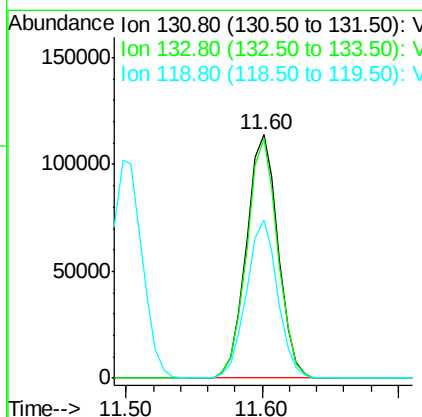
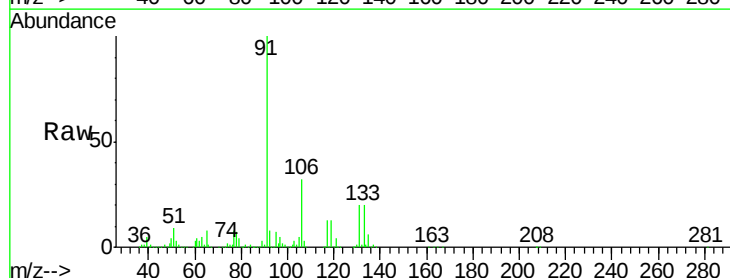
Manual Integrations
APPROVED

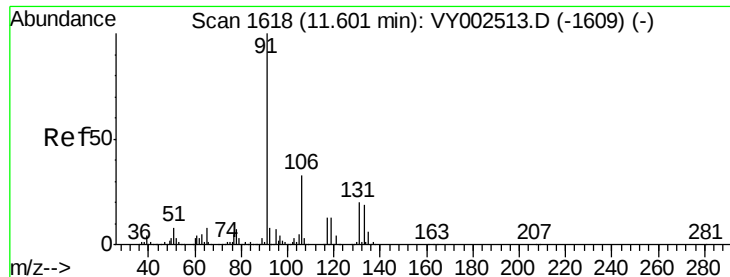
MMDadoda
5/7/2020 10:35:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.453 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion:131 Resp: 186214
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 63.9 31.6 95.0





#67

Ethyl Benzene

Concen: 51.700 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 885415

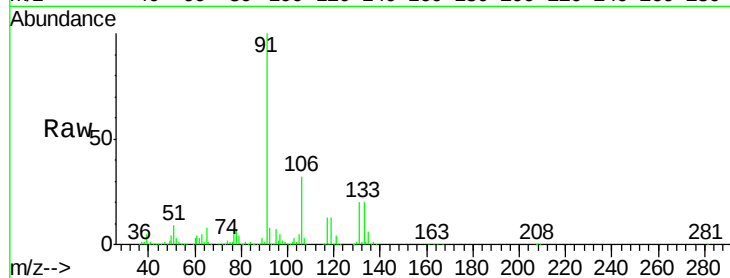
Ion Ratio Lower Upper

91 100

106 32.3 26.1 39.1

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

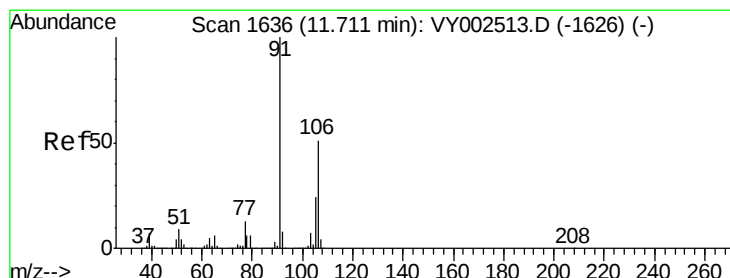
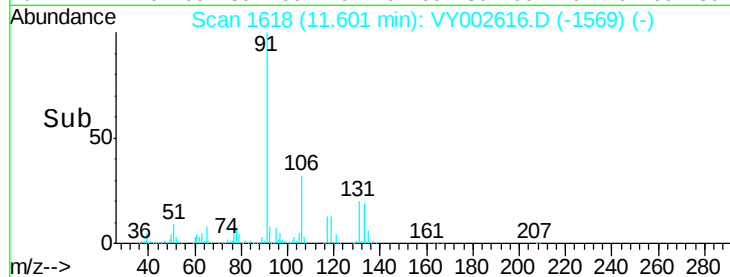
200000

0

11.50

11.60

Time-->



#68

m/p-Xylenes

Concen: 102.981 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002616.D

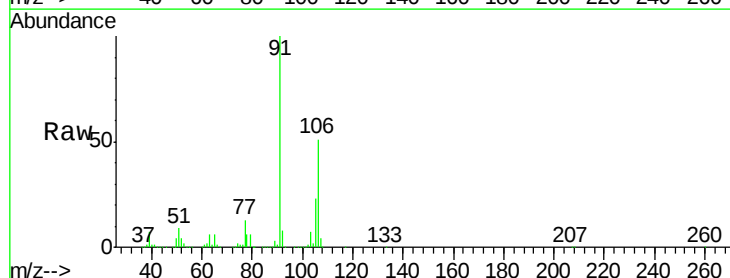
Acq: 06 May 2020 16:17

Tgt Ion: 106 Resp: 682395

Ion Ratio Lower Upper

106 100

91 194.8 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

800000

600000

400000

200000

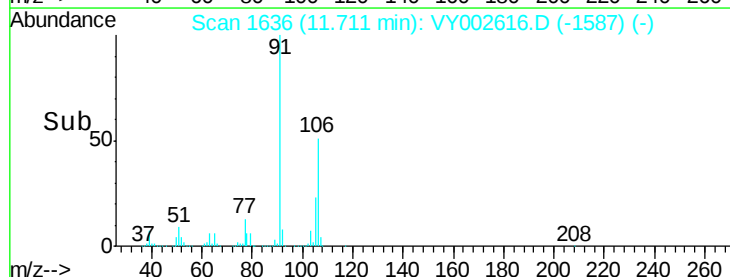
0

11.60

11.70

11.80

Time-->





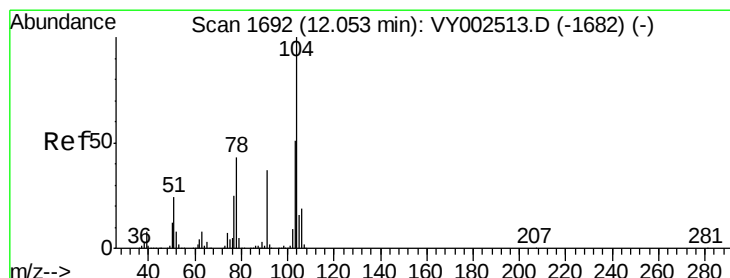
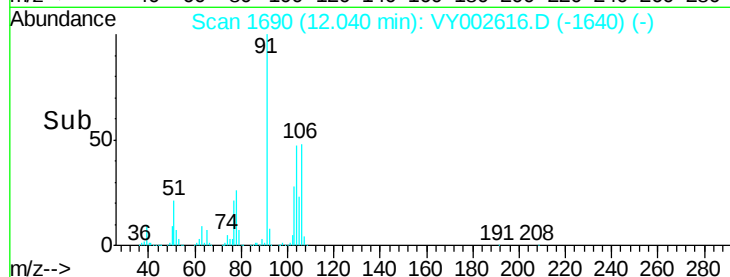
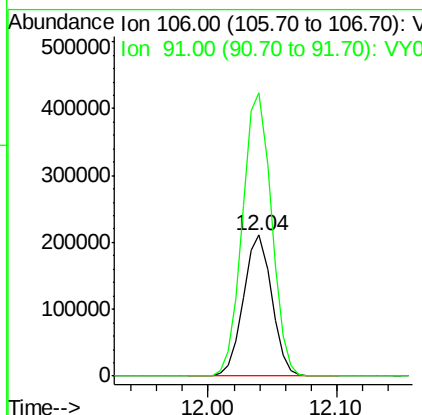
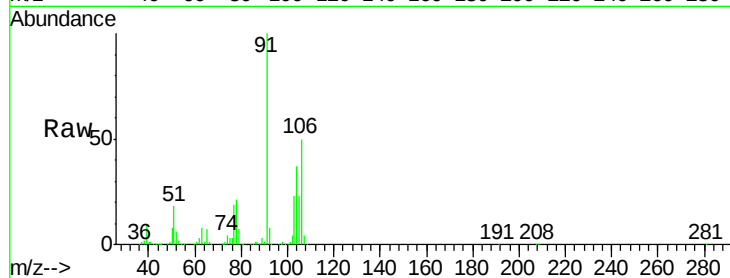
#69
o-Xylene
Concen: 51.784 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
321292	106	100		
	91	204.7	103.8	311.3

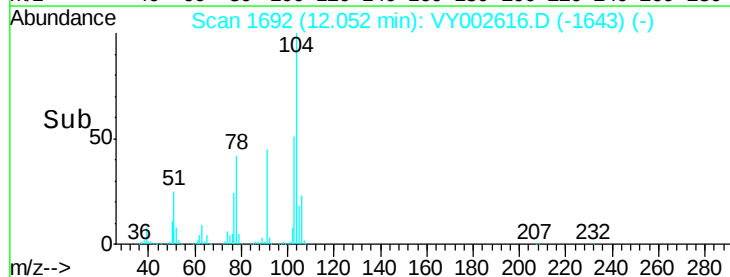
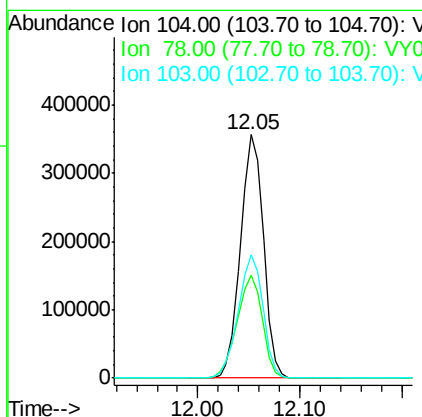
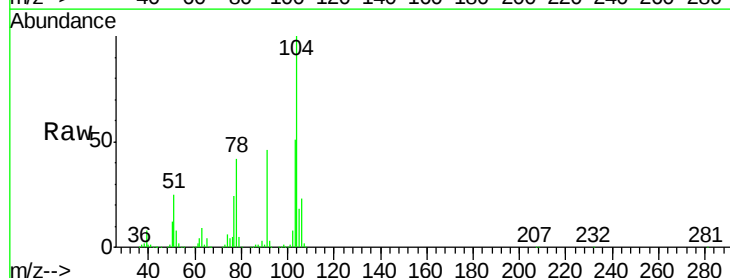
Manual Integrations
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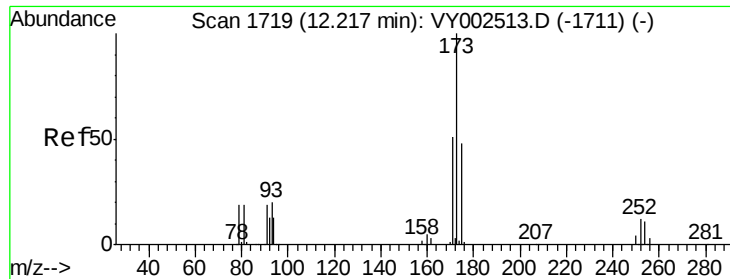
MMDadoda
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#70
Styrene
Concen: 52.379 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ion	Ratio	Lower	Upper
555563	104	100		
	78	46.1	37.4	56.0
	103	54.3	43.9	65.9





#71

Bromoform

Concen: 52.551 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

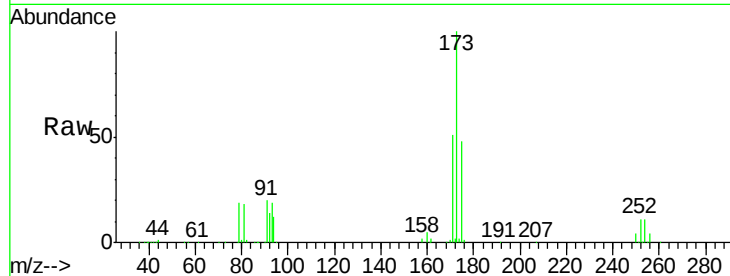
ClientSampleId :

VSTDCCC050EC

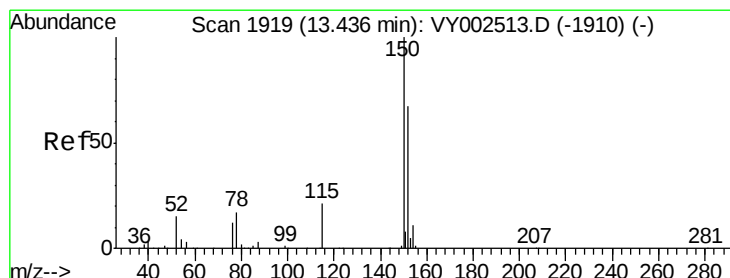
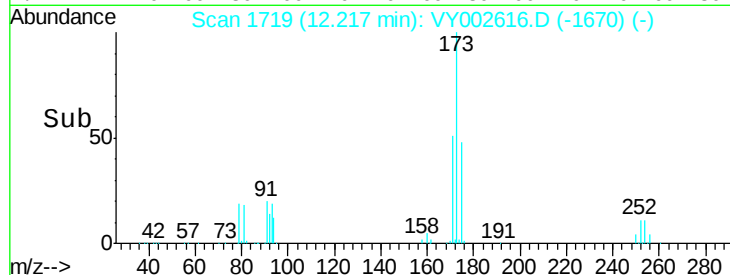
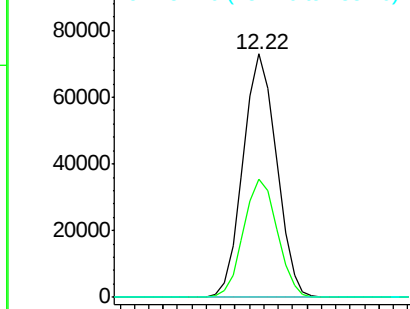
Tot Ion:	173	Resp:	118044
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

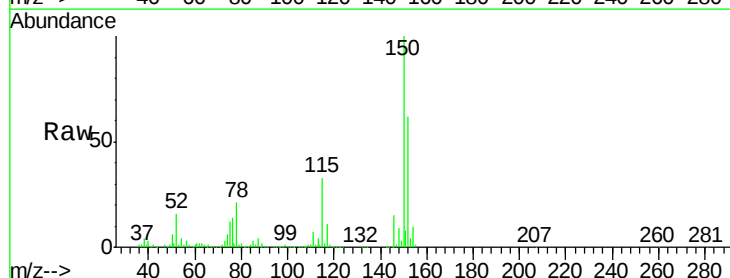
RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

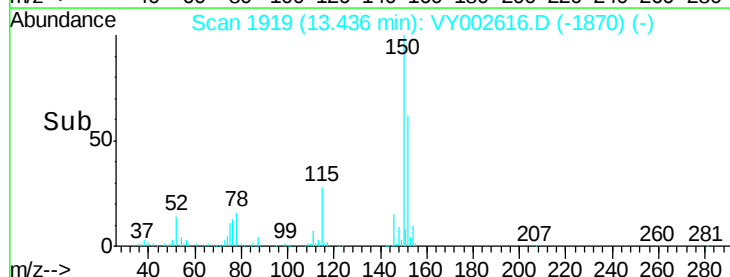
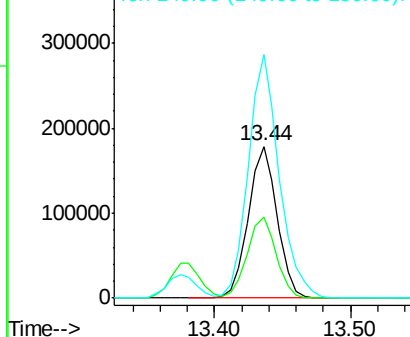
Lab File: VY002616.D

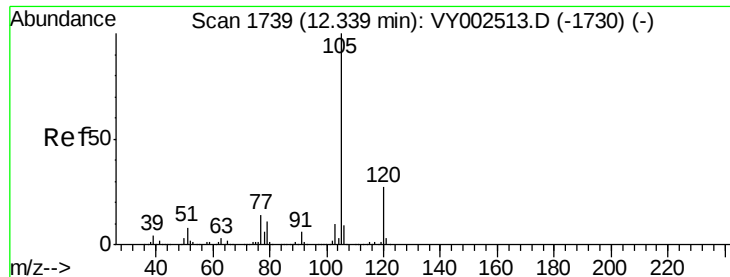
Acq: 06 May 2020 16:17

Tgt Ion:	152	Resp:	263743
Ion Ratio	Lower	Upper	
152	100		
115	53.9	27.5	82.4
150	172.7	0.0	346.4



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





#73

Isopropylbenzene

Concen: 51.362 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 877931

Ion Ratio Lower Upper

105 100

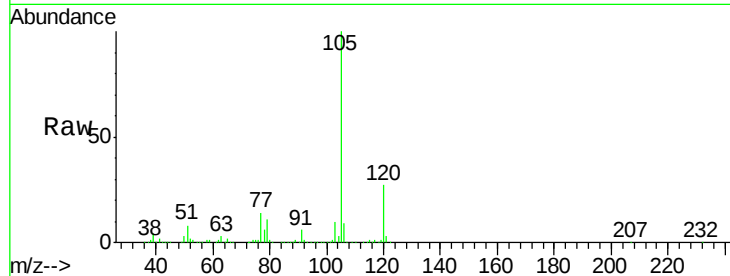
120 27.4 13.8 41.3

Manual Integrations

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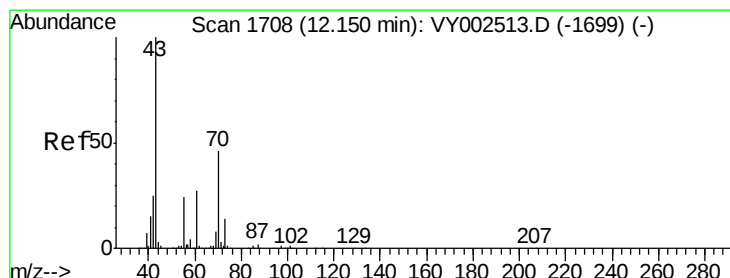
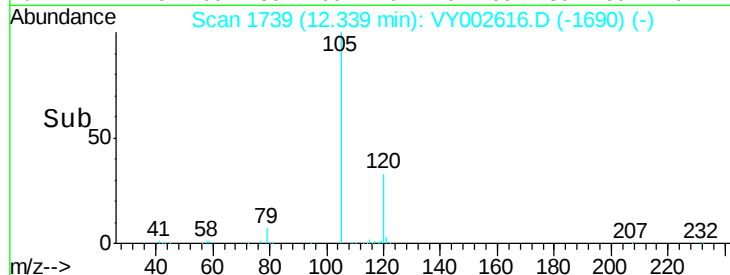
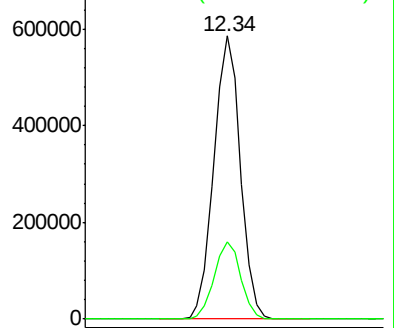
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.648 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion: 43 Resp: 220591

Ion Ratio Lower Upper

43 100

70 46.9 36.7 55.1

55 24.2 19.2 28.8

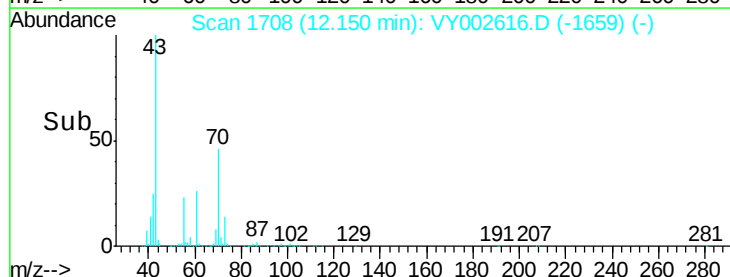
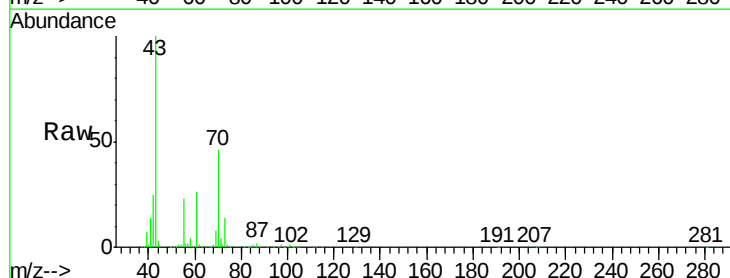
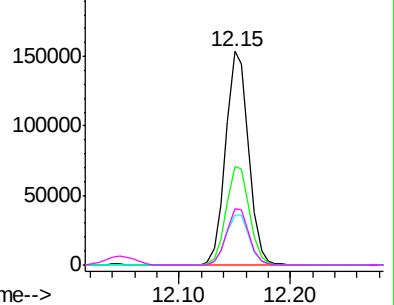
61 26.2 21.1 31.7

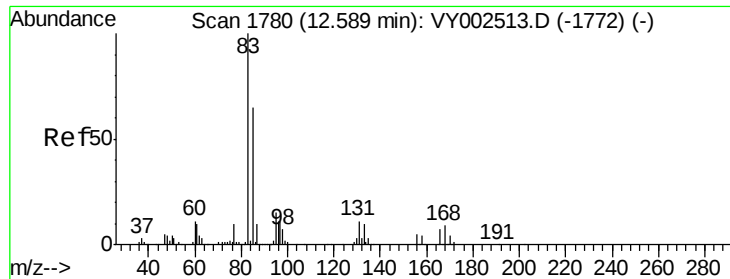
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.020 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

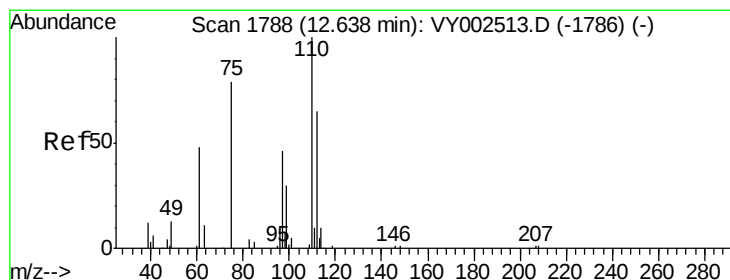
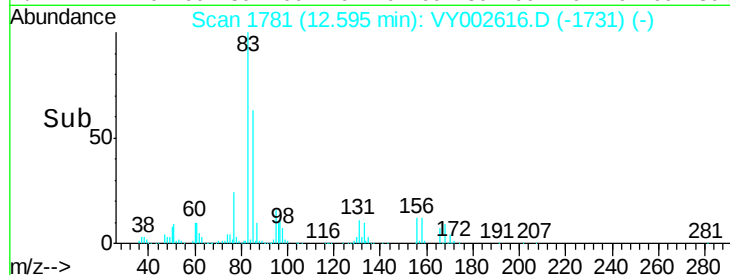
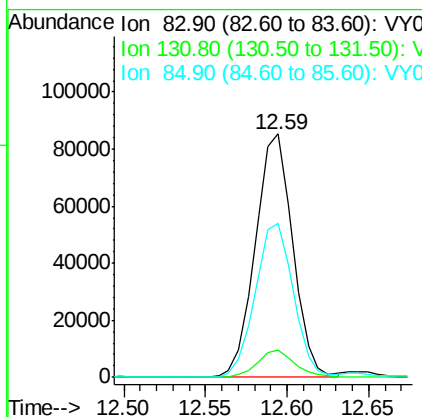
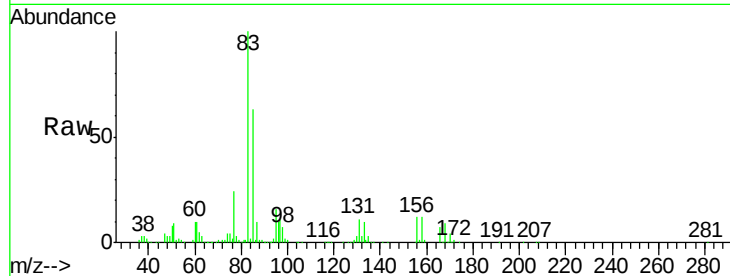
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	135974
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.8
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.380 ug/l m

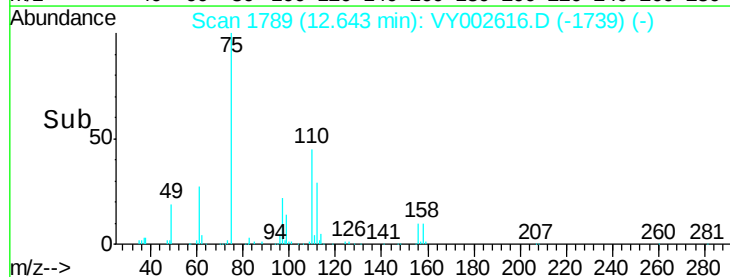
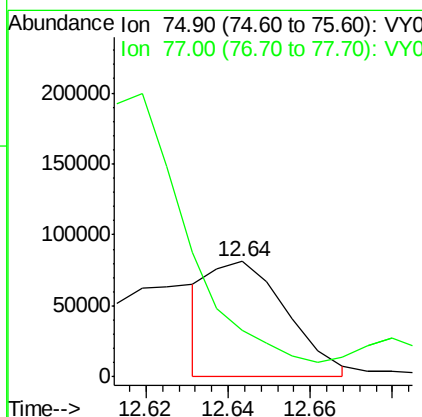
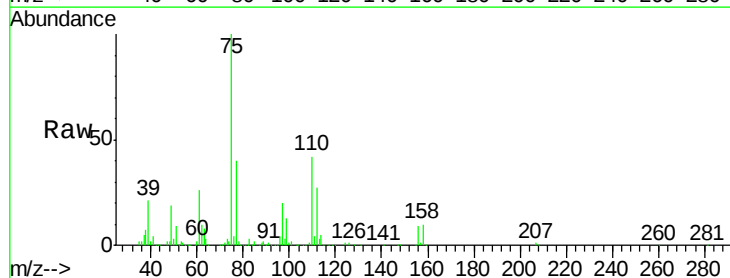
RT: 12.64 min Scan# 1789

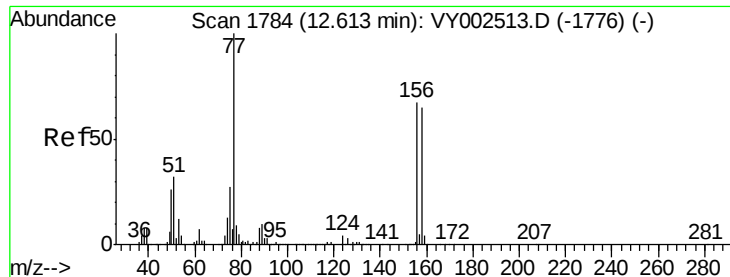
Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	75	Resp:	106362
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.612 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

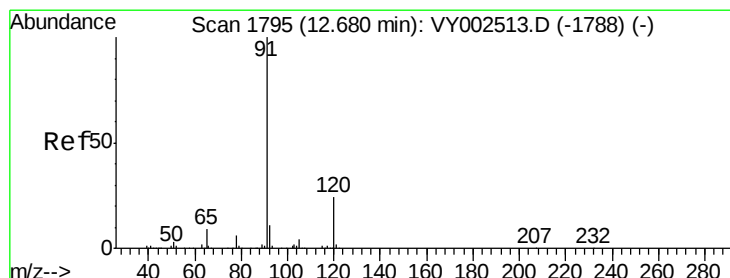
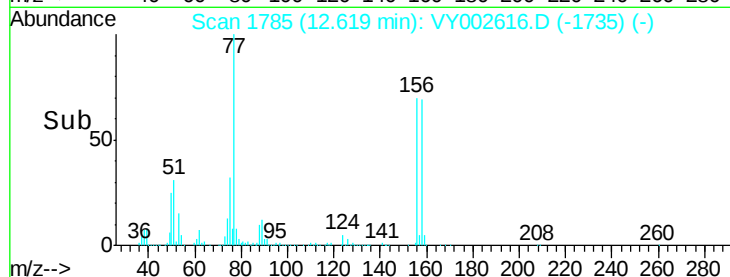
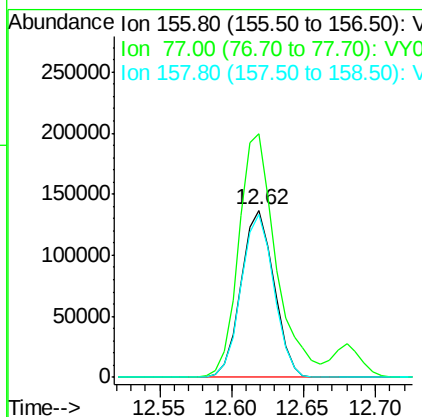
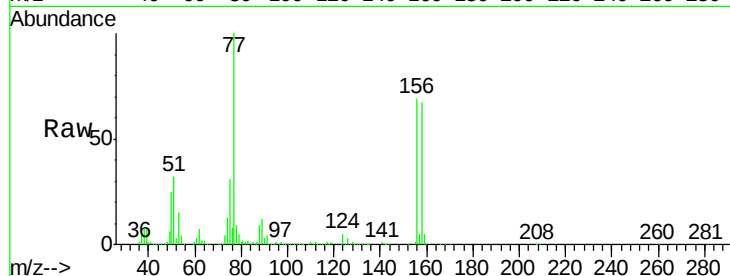
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	216139
Ion Ratio	Lower	Upper	
156	100		
77	165.7	82.0	245.8
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.650 ug/l

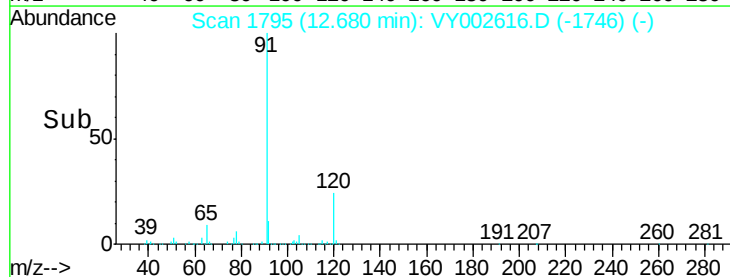
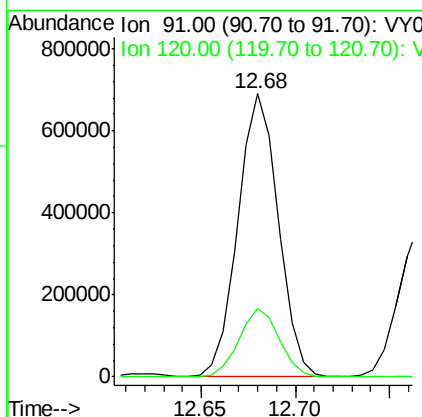
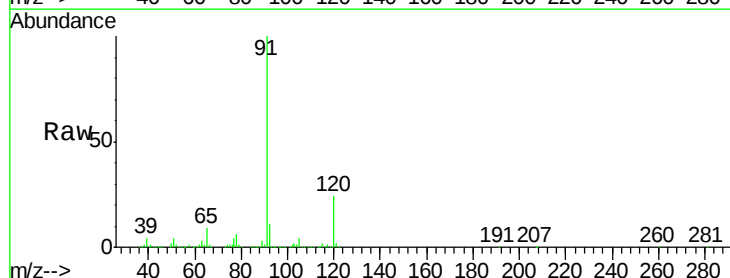
RT: 12.68 min Scan# 1795

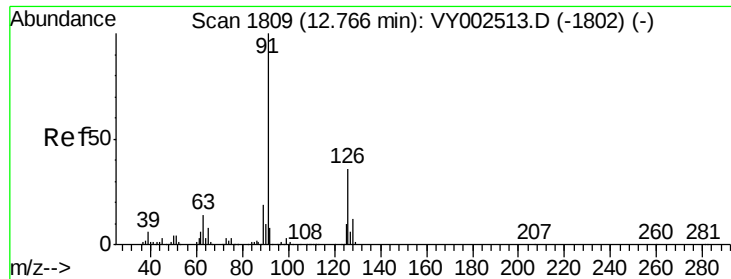
Delta R.T. -0.00 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Tgt Ion:	91	Resp:	1024538
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.2	36.4





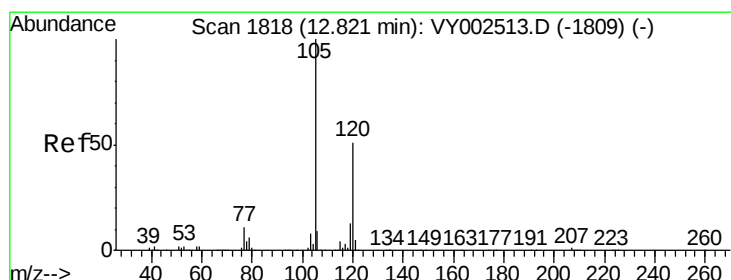
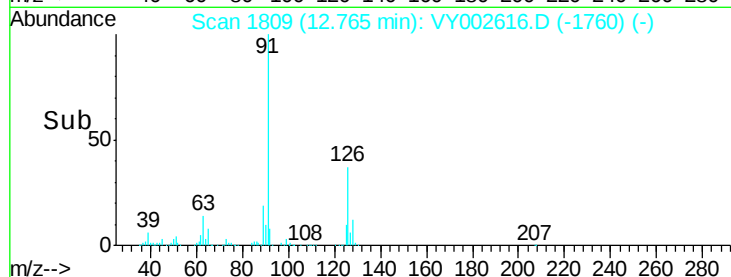
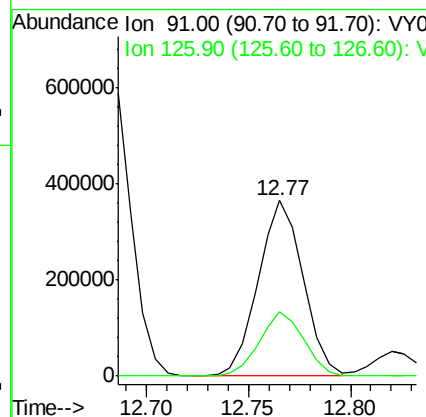
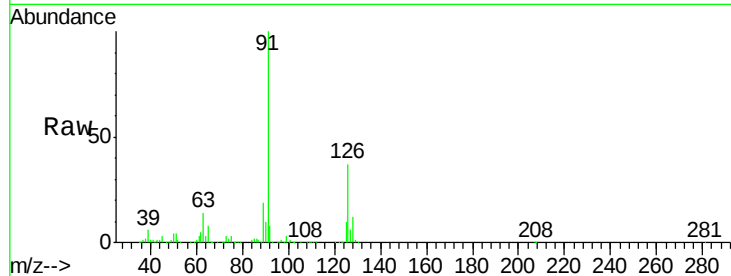
#79
 2-Chlorotoluene
 Concen: 50.831 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 558516
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.4 55.2

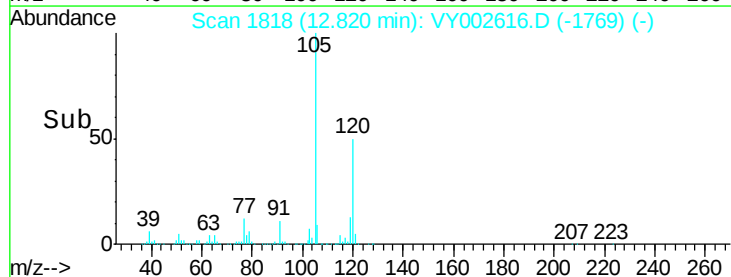
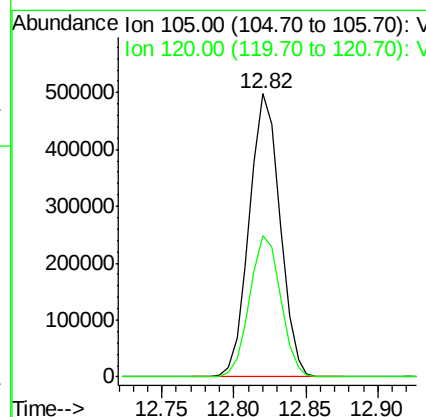
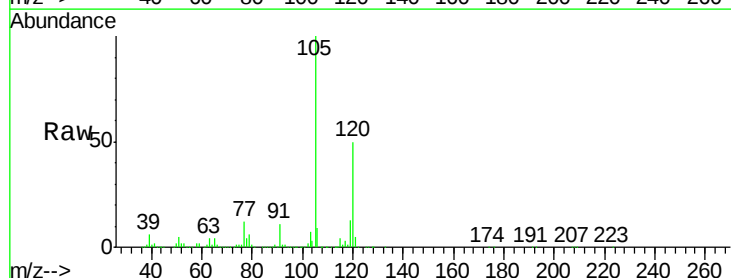
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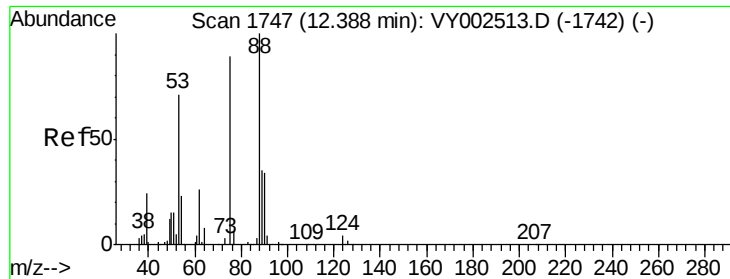
MMDadoda
 5/7/2020 10:35:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.740 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion: 105 Resp: 733090
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.3 75.9





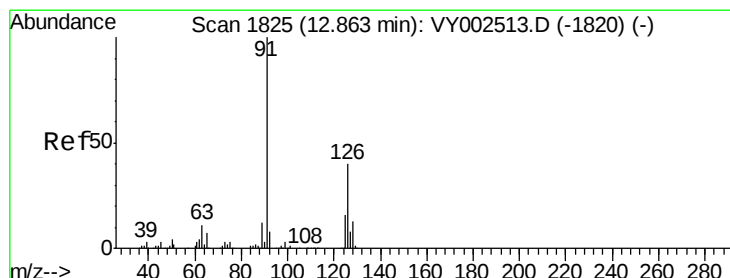
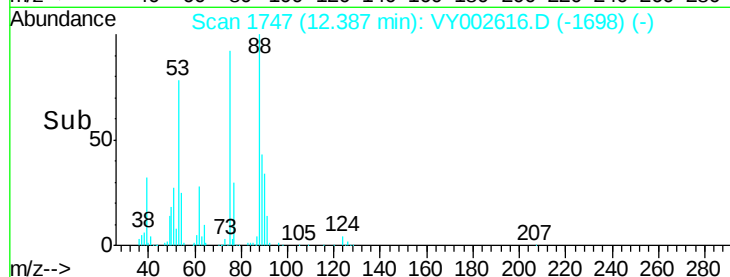
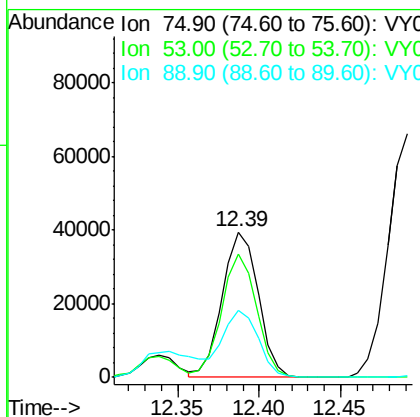
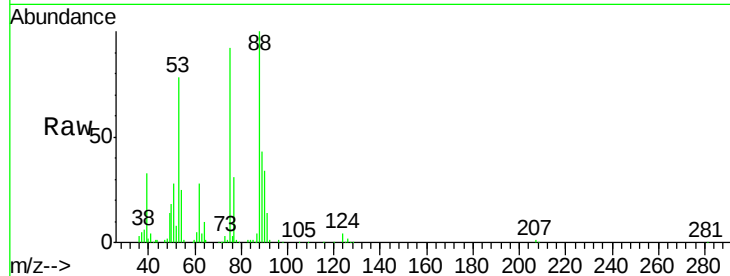
#81
trans-1,4-Dichloro-2-butene
Concen: 51.772 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.5	67.4	101.0
89	47.9	37.4	56.0

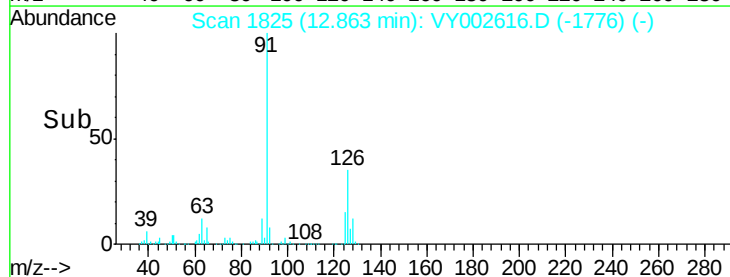
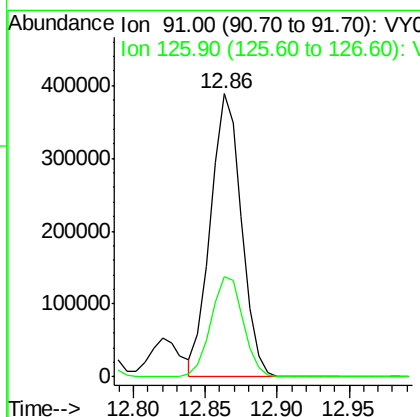
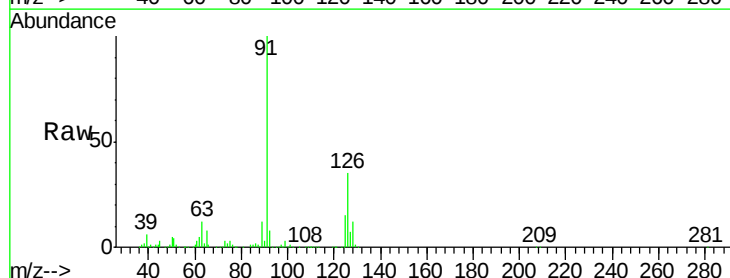
Manual Integrations
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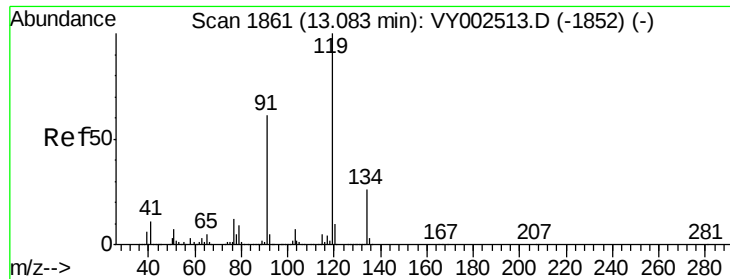
MMDadoda
5/7/2020 10:35:32 AM



#82
4-Chlorotoluene
Concen: 50.363 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5





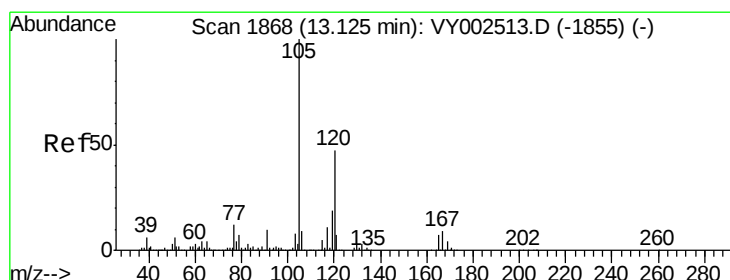
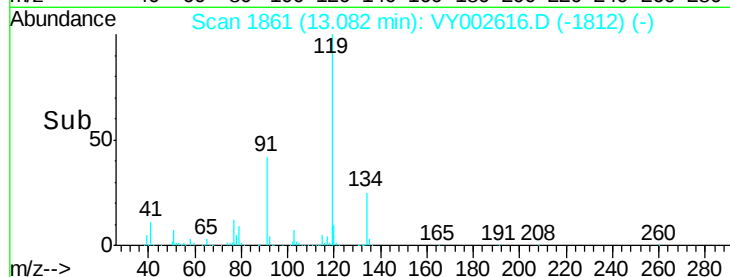
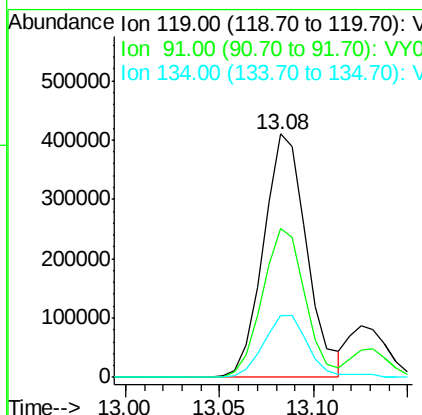
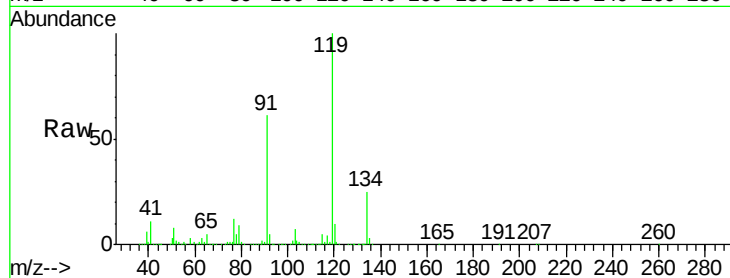
#83
tert-Butylbenzene
Concen: 52.615 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.6	91.6
134	26.5	13.5	40.4

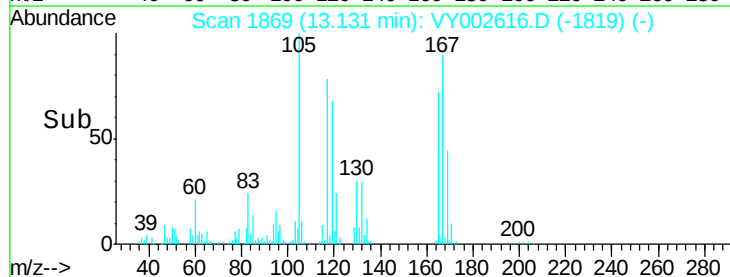
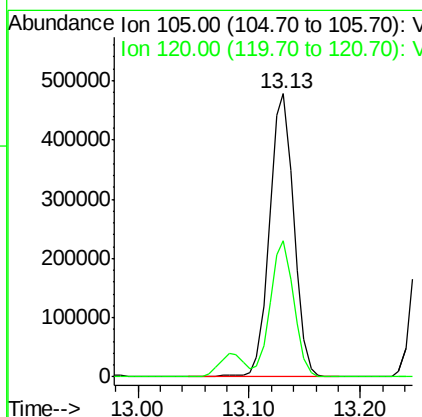
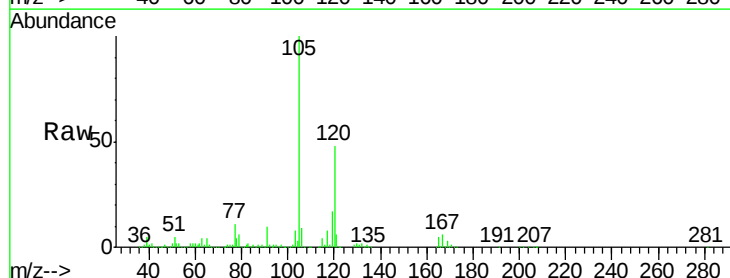
Manual Integrations
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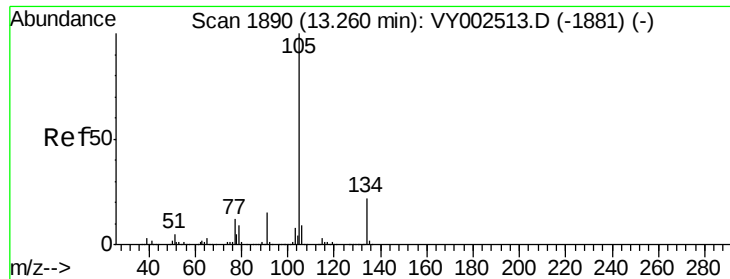
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.417 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.643 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 890289

Ion Ratio Lower Upper

105 100

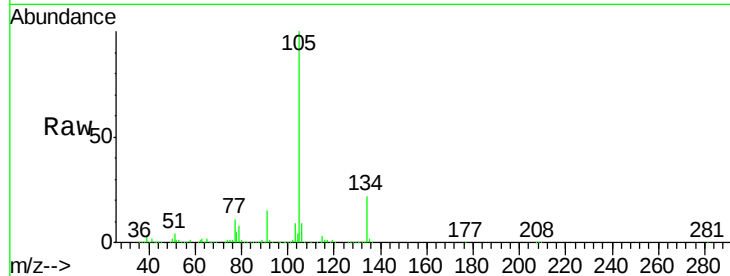
134 21.4 10.8 32.3

Manual Integrations

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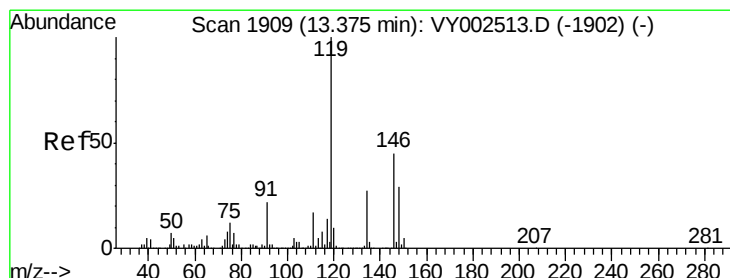
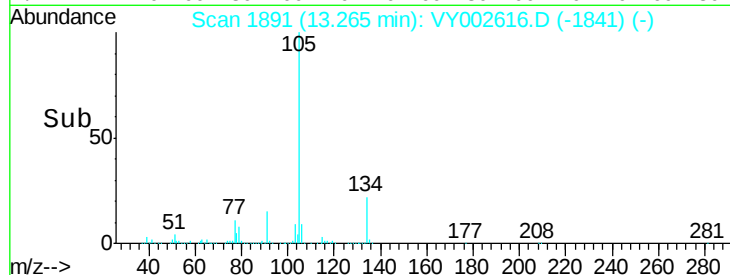
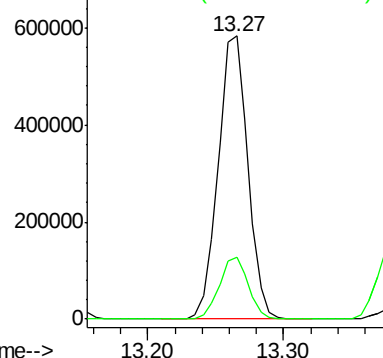
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.210 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002616.D

Acq: 06 May 2020 16:17

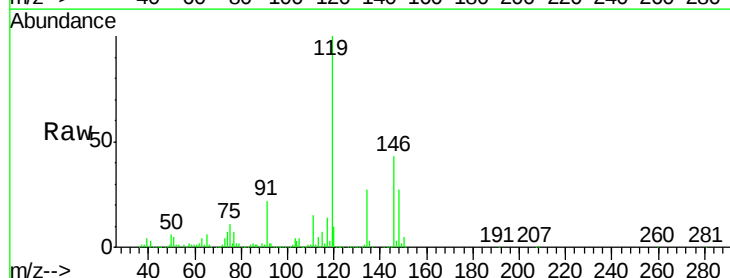
Tgt Ion:119 Resp: 827200

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

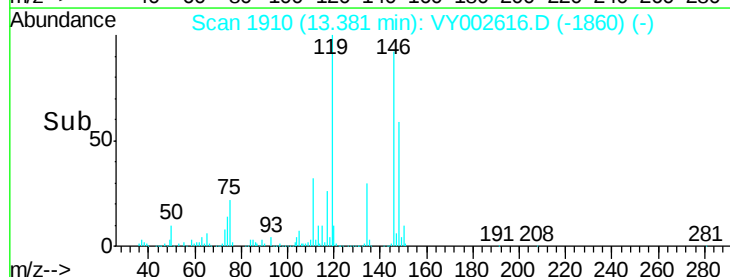
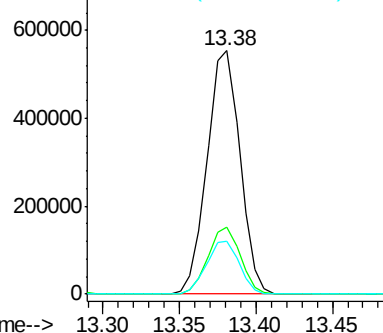
91 21.6 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





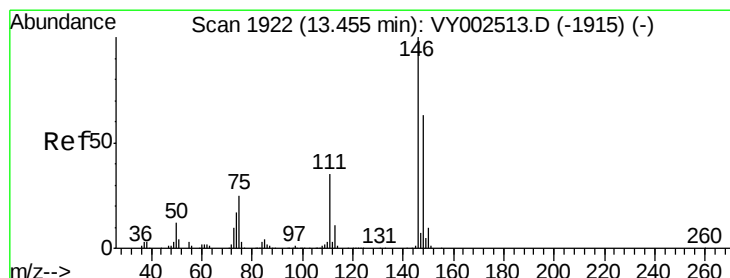
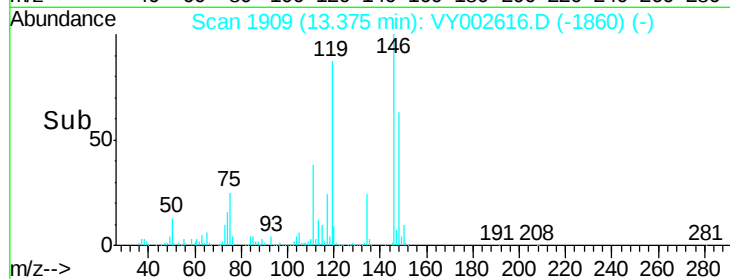
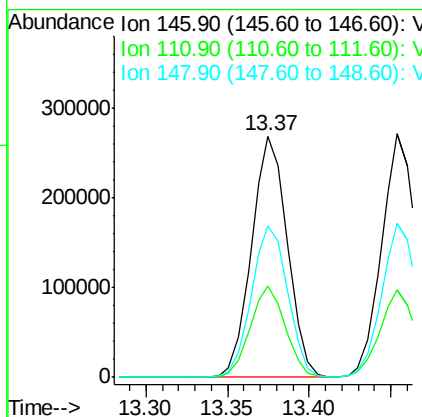
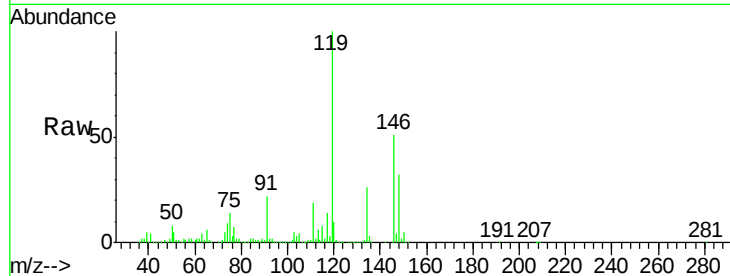
#87
 1,3-Dichlorobenzene
 Concen: 50.702 ug/l
 RT: 13.37 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	409805		
111	37.3	18.8	56.3	
148	63.9	32.1	96.3	

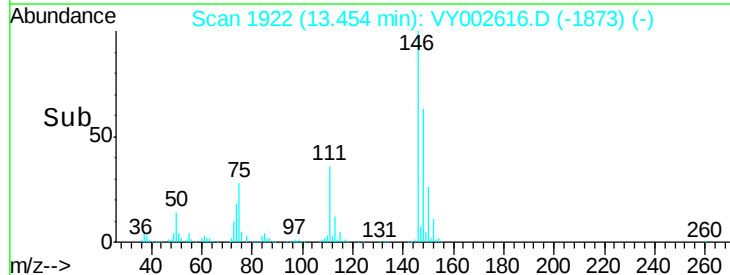
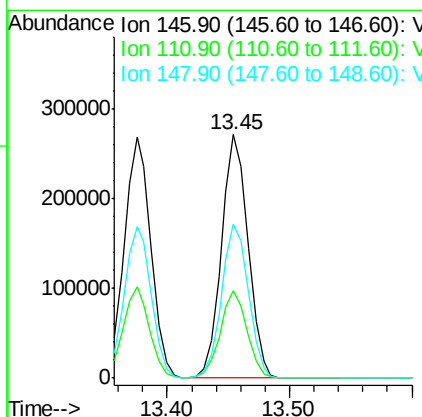
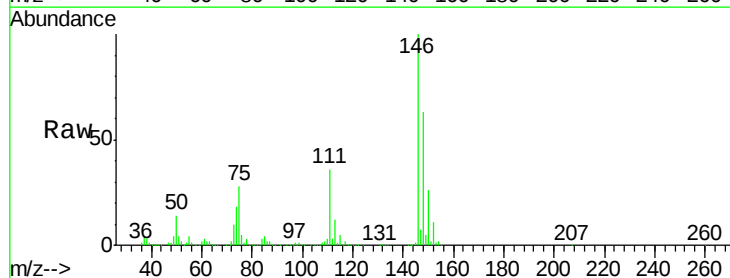
Manual Integrations
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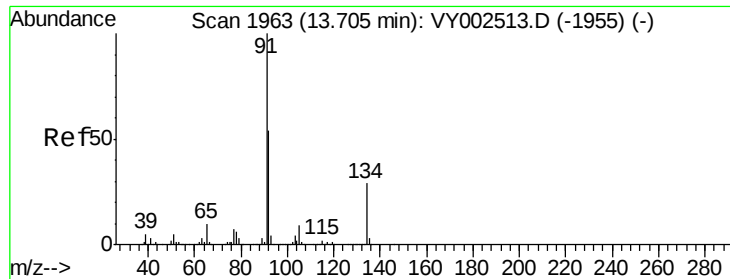
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#88
 1,4-Dichlorobenzene
 Concen: 50.964 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	407885		
111	36.2	18.1	54.1	
148	63.9	31.9	95.5	





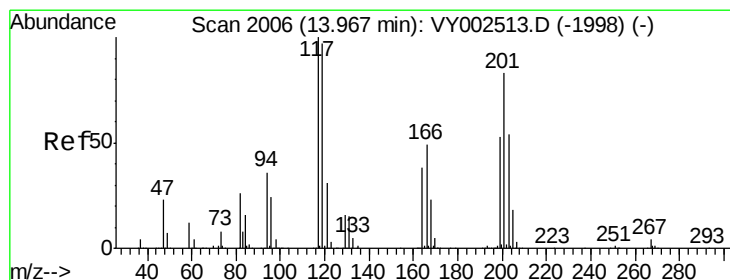
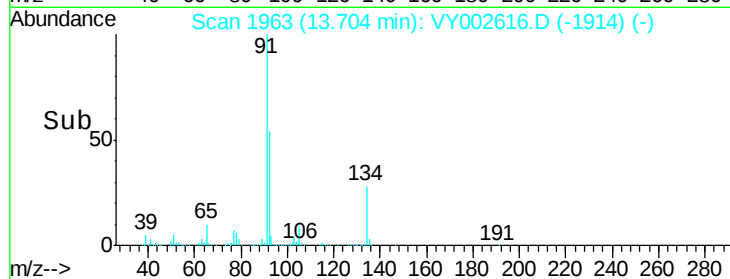
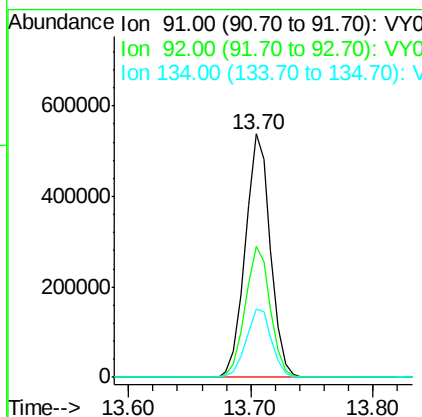
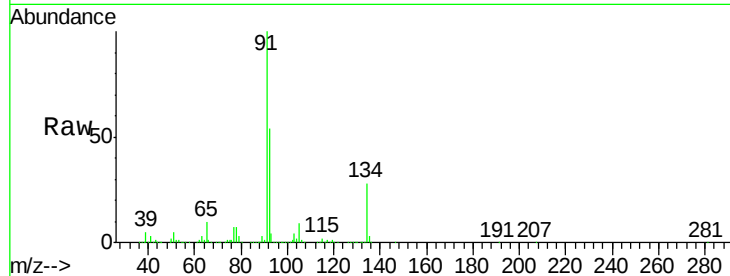
#89
n-Butylbenzene
Concen: 51.777 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	28.6	14.4	43.0

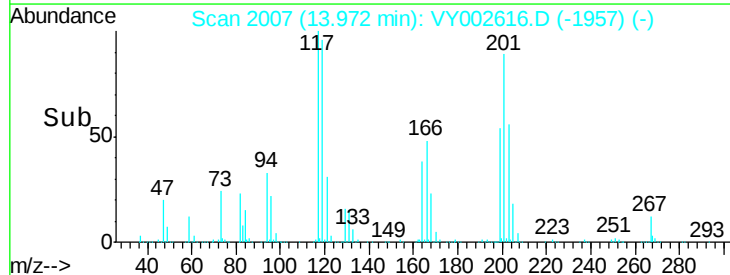
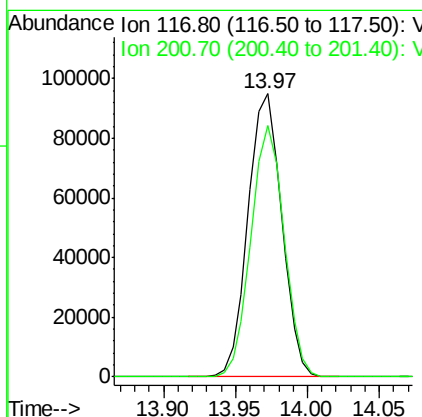
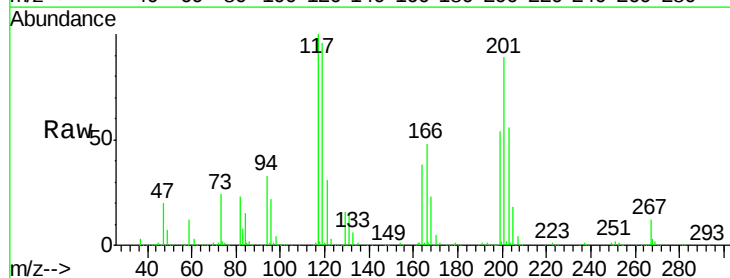
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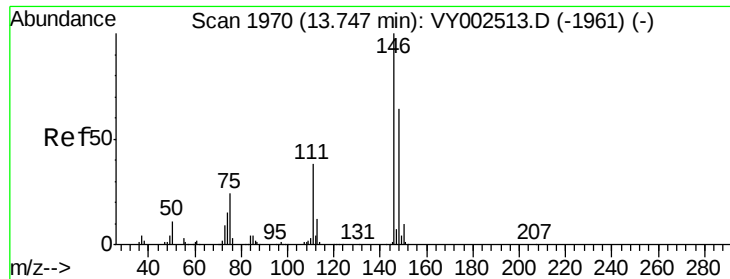
MMDadoda
5/7/2020 10:35:32 AM



#90
Hexachloroethane
Concen: 52.220 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.4	133.2





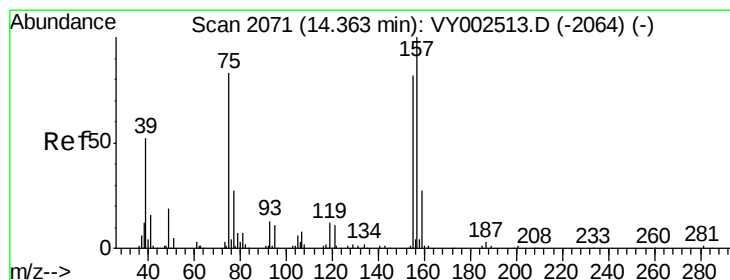
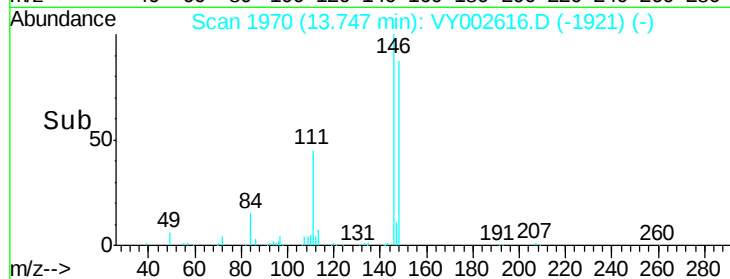
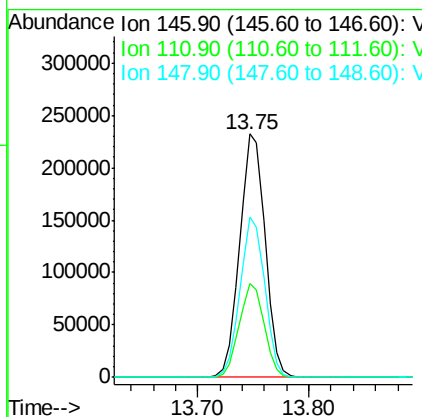
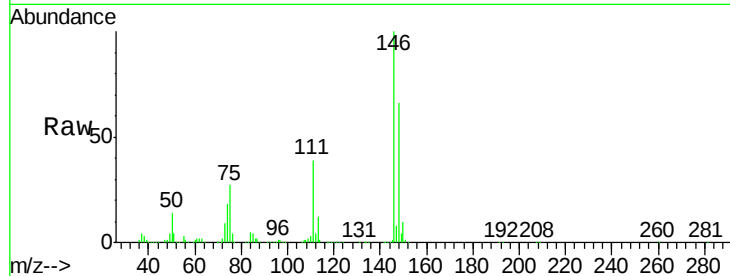
#91
 1,2-Dichlorobenzene
 Concen: 50.833 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	366617		
111	38.1	19.1	57.5	
148	64.3	31.9	95.7	

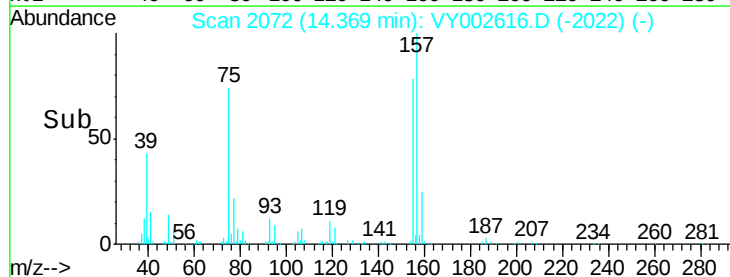
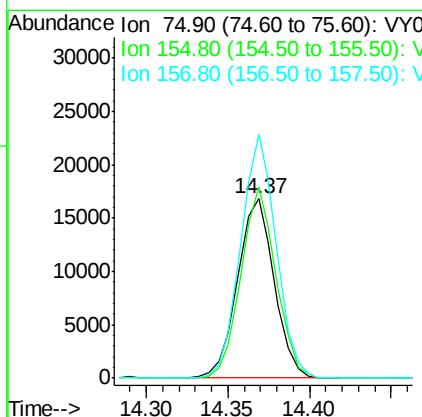
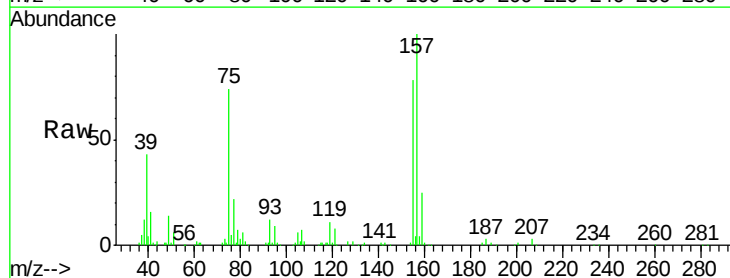
Manual Integrations
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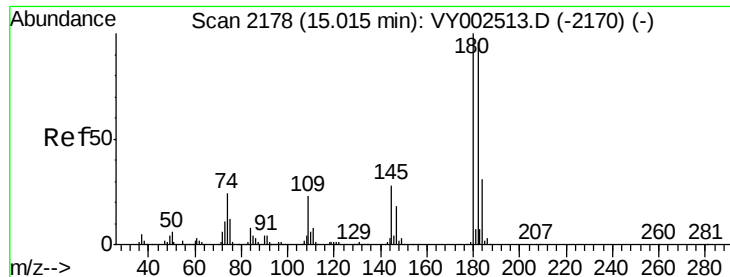
MMDadoda
 5/7/2020 10:35:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.787 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002616.D
 Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26242		
155	101.7	51.3	153.9	
157	131.2	65.0	195.0	





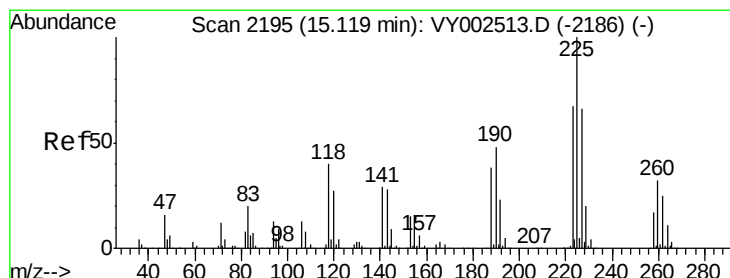
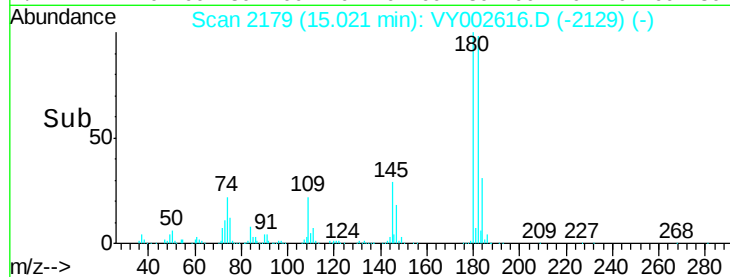
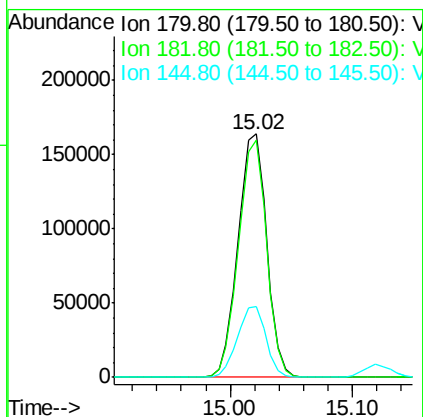
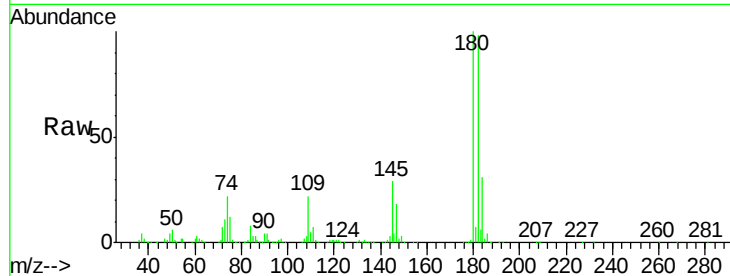
#93
1,2,4-Trichlorobenzene
Concen: 50.812 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266060		
182	95.8	47.9	143.6	
145	29.1	14.4	43.0	

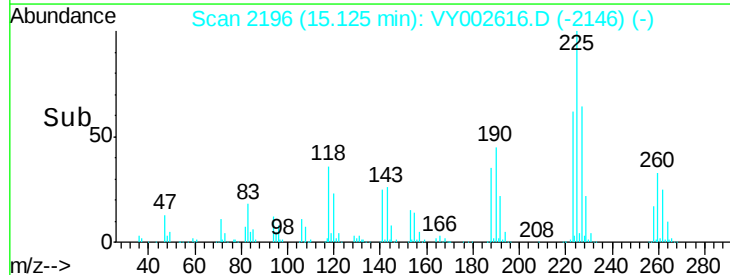
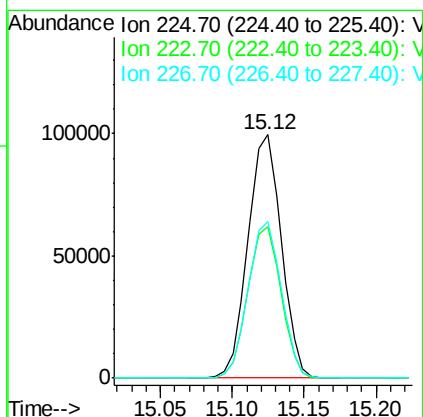
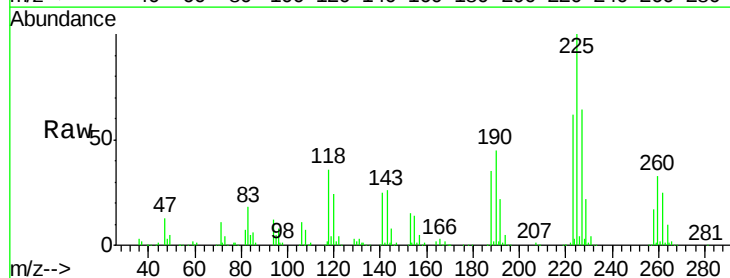
Manual Integrations
APPROVED

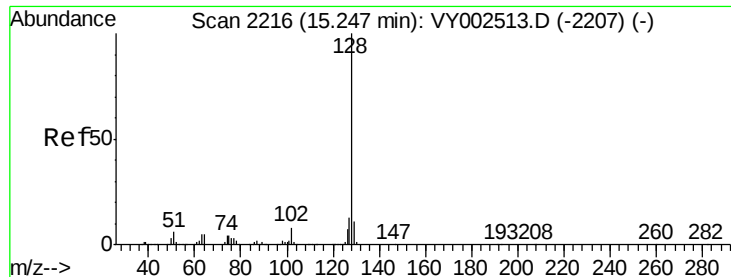
MMDadoda
5/7/2020 10:35:32 AM



#94
Hexachlorobutadiene
Concen: 50.821 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159731		
223	62.1	32.1	96.5	
227	64.0	32.0	96.2	





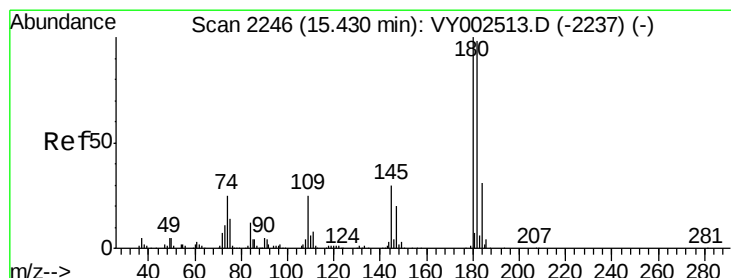
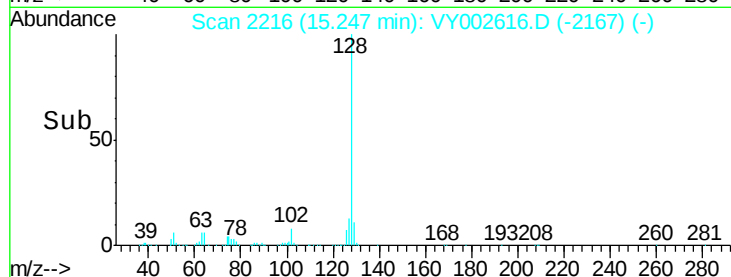
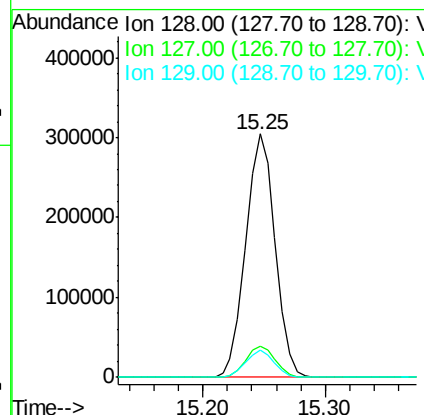
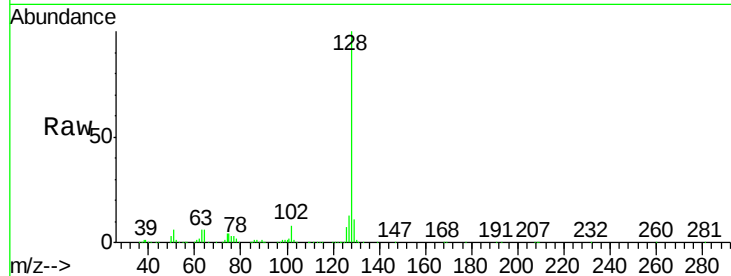
#95
Naphthalene
Concen: 53.073 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	506960		
127	12.8		10.5	15.7
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.267 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002616.D
Acq: 06 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227886		
182	95.4		47.9	143.8
145	30.7		15.0	45.1

