

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001481.D
 Acq On : 04 Feb 2020 12:55
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:30 PM

Quant Time: Feb 04 14:43:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	248681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	429679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	386485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	182474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	12945	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.74	113	11981	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	
50) Toluene-d8	10.19	98	48594	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.49	95	18207	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	11417	5.560	ug/l	94
3) Chloromethane	2.13	50	12927	4.440	ug/l	97
4) Vinyl Chloride	2.26	62	12629	4.169	ug/l	100
5) Bromomethane	2.66	94	9287	4.562	ug/l	85
6) Chloroethane	2.81	64	7802	4.062	ug/l	95
7) Trichlorofluoromethane	3.15	101	22017	5.458	ug/l	97
8) Diethyl Ether	3.56	74	7556	4.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13261	5.216	ug/l	98
10) Methyl Iodide	4.11	142	15302	4.600	ug/l	100
11) Tert butyl alcohol	4.97	59	17948	44.780	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	12847	4.844	ug/l	93
13) Acrolein	3.76	56	6308	27.157	ug/l	96
14) Allyl chloride	4.50	41	20189	4.386	ug/l	99
15) Acrylonitrile	5.19	53	17897	21.743	ug/l	98
16) Acetone	3.97	43	21234	27.378	ug/l	99
17) Carbon Disulfide	4.22	76	40554	4.846	ug/l	96
18) Methyl Acetate	4.51	43	8517	3.933	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	36354	4.784	ug/l	96
20) Methylene Chloride	4.75	84	21948	5.327	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	14552	4.768	ug/l	97
22) Diisopropyl ether	6.15	45	39726	4.095	ug/l	95
23) Vinyl Acetate	6.10	43	129567	20.708	ug/l	98
24) 1,1-Dichloroethane	6.05	63	23988	4.609	ug/l	98
25) 2-Butanone	7.02	43	26370	23.172	ug/l	92
26) 2,2-Dichloropropane	7.01	77	25317	5.404	ug/l	95
27) cis-1,2-Dichloroethene	7.02	96	16523	4.872	ug/l	95
28) Bromochloromethane	7.36	49	7940	3.781	ug/l	97
29) Tetrahydrofuran	7.38	42	15418	21.086	ug/l	99
30) Chloroform	7.53	83	24153	4.695	ug/l	98
31) Cyclohexane	7.81	56	27256	5.245	ug/l #	74
32) 1,1,1-Trichloroethane	7.73	97	21533	4.910	ug/l	99
36) 1,1-Dichloropropene	7.94	75	20013	4.915	ug/l	98
37) Ethyl Acetate	7.10	43	10583	4.446	ug/l	97
38) Carbon Tetrachloride	7.92	117	18967	5.159	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	25924	4.950	ug/l	99
40) Benzene	8.18	78	57218	4.732	ug/l	100
41) Methacrylonitrile	7.34	41	3644m	2.998	ug/l	
42) 1,2-Dichloroethane	8.26	62	16380	4.877	ug/l	99
43) Isopropyl Acetate	8.30	43	20371	4.400	ug/l	98
44) Trichloroethene	8.96	130	15493	4.948	ug/l	87
45) 1,2-Dichloropropane	9.24	63	13524	4.468	ug/l	95
46) Dibromomethane	9.32	93	7916	4.840	ug/l	98
47) Bromodichloromethane	9.52	83	18303	4.650	ug/l	96
48) Methyl methacrylate	9.31	41	9070	4.294	ug/l	99
49) 1,4-Dioxane	9.32	88	2118	93.268	ug/l #	65
51) 4-Methyl-2-Pentanone	10.08	43	51270	21.598	ug/l	100
52) Toluene	10.26	92	36385	4.751	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	20503	4.740	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	23228	4.659	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	11401	4.756	ug/l	97
56) Ethyl methacrylate	10.52	69	15967	4.443	ug/l	97
57) 1,3-Dichloropropane	10.80	76	20461	4.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	35033	27.266	ug/l	99
59) 2-Hexanone	10.85	43	36337	21.890	ug/l	98
60) Dibromochloromethane	11.00	129	13146	4.844	ug/l	98
61) 1,2-Dibromoethane	11.10	107	11100	4.871	ug/l	100
64) Tetrachloroethene	10.73	164	12616	5.036	ug/l	98
65) Chlorobenzene	11.53	112	37990	4.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	13271	4.783	ug/l	98
67) Ethyl Benzene	11.60	91	71905	4.804	ug/l	97
68) m/p-Xylenes	11.71	106	54041	9.674	ug/l	100
69) o-Xylene	12.04	106	25473	4.746	ug/l	97
70) Styrene	12.05	104	43875	4.675	ug/l	99
71) Bromoform	12.22	173	7218	4.400	ug/l #	94
73) Isopropylbenzene	12.34	105	69529	4.820	ug/l	100
74) N-amyl acetate	12.15	43	18409	4.063	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	13417	4.460	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	9354m	4.331	ug/l	
77) Bromobenzene	12.62	156	15236	4.786	ug/l	98
78) n-propylbenzene	12.68	91	83871	4.846	ug/l	100
79) 2-Chlorotoluene	12.77	91	48286	4.877	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	59122	4.910	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	5051	4.434	ug/l	97
82) 4-Chlorotoluene	12.86	91	49798	4.727	ug/l	100
83) tert-Butylbenzene	13.08	119	49919	4.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	60421	5.003	ug/l	100
85) sec-Butylbenzene	13.26	105	70777	4.921	ug/l	99
86) p-Isopropyltoluene	13.38	119	63957	5.037	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	30593	5.013	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	29660	4.784	ug/l	92
89) n-Butylbenzene	13.70	91	61775	4.849	ug/l	99
90) Hexachloroethane	13.97	117	11508	4.782	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	27004	4.807	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2693	5.136	ug/l	89

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MSVOA_Y
ClientSampleId :
VSTDICC005

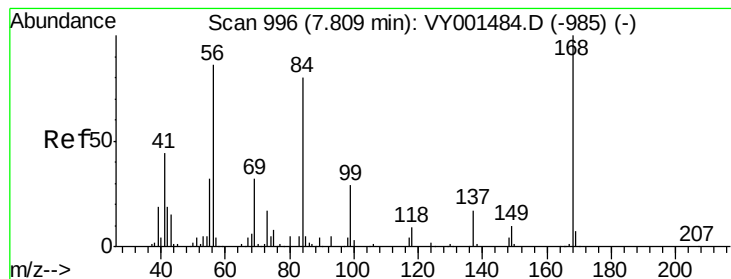
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	18498	4.886	ug/l	94
94) Hexachlorobutadiene	15.12	225	9250	4.989	ug/l	99
95) Naphthalene	15.24	128	47531	5.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	16274	4.921	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 248681

Ion Ratio Lower Upper

168 100

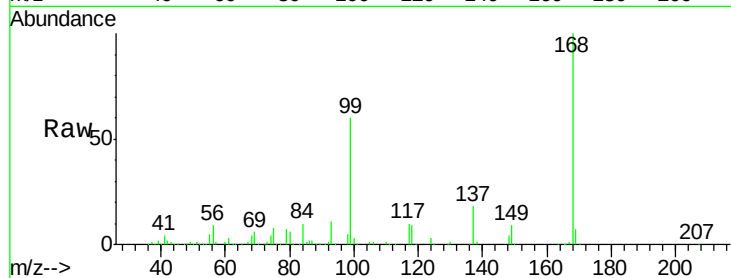
99 60.2 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001481.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001481.D (-947) (-)

7.82

120000

100000

80000

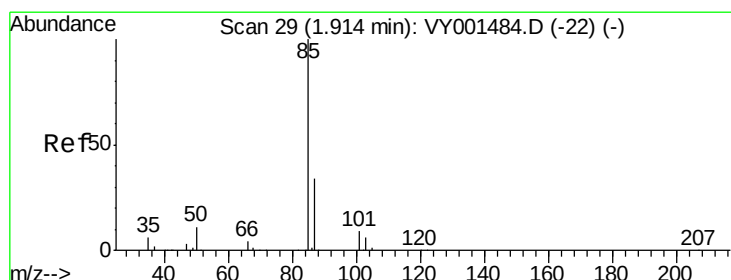
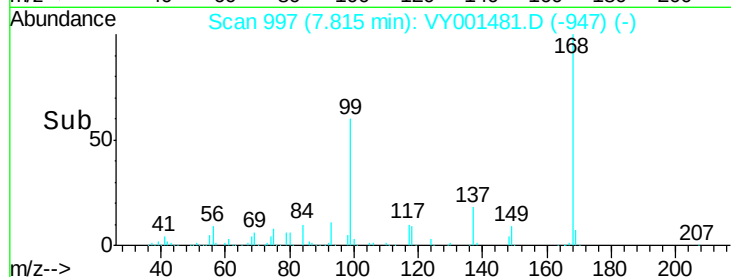
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.560 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001481.D

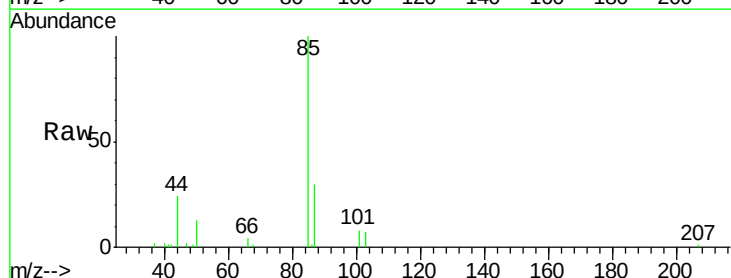
Acq: 04 Feb 2020 12:55

Tgt Ion: 85 Resp: 11417

Ion Ratio Lower Upper

85 100

87 30.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001481.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001481.D (-1) (-)

1.91

8000

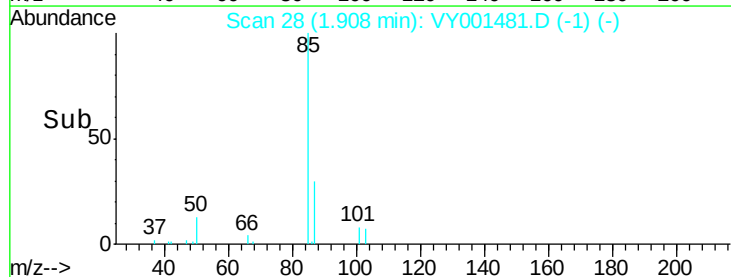
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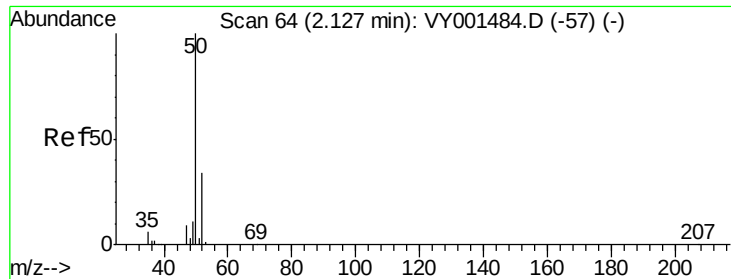
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.440 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12927

Ion Ratio Lower Upper

50 100

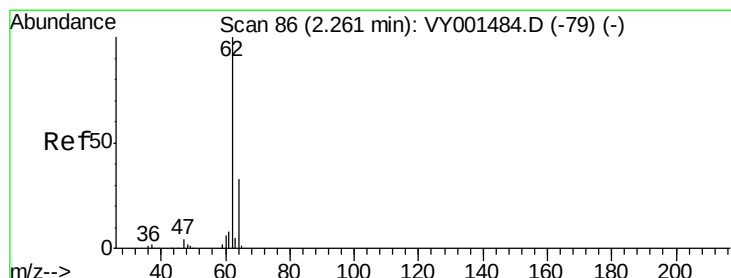
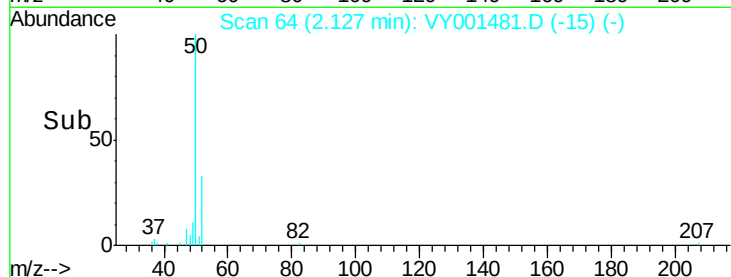
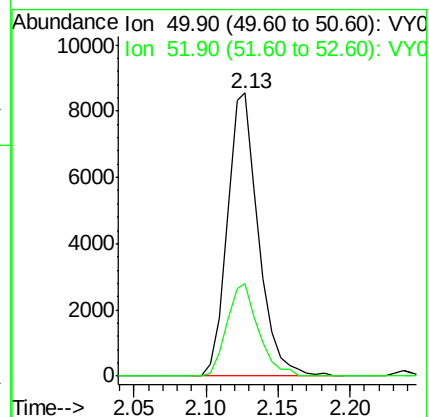
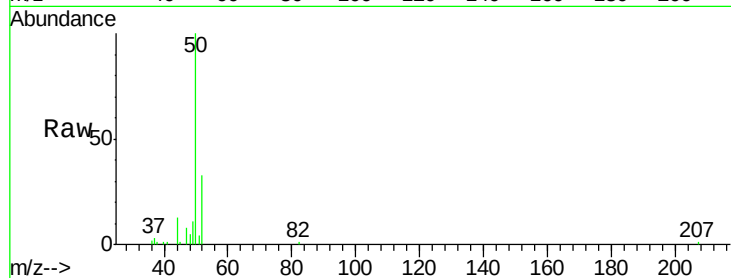
52 32.5 27.3 40.9

Manual Integrations

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2/5/2020 12:23:30 PM



#4

Vinyl Chloride

Concen: 4.169 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001481.D

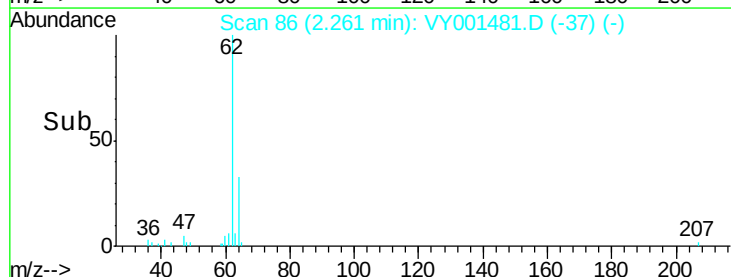
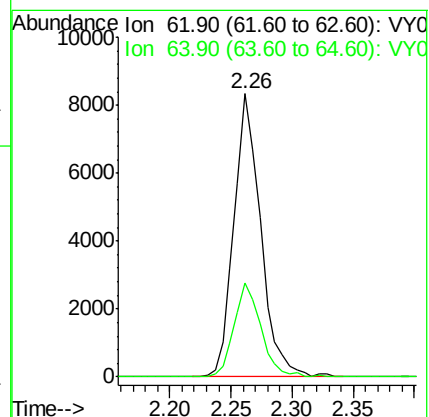
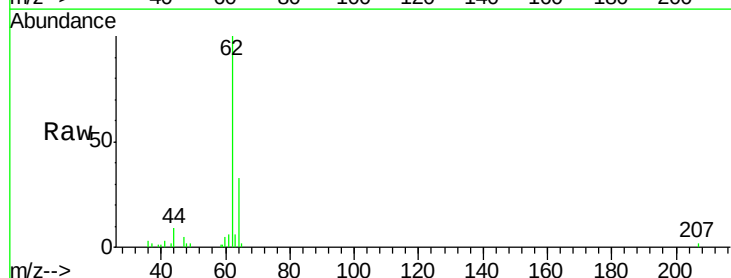
Acq: 04 Feb 2020 12:55

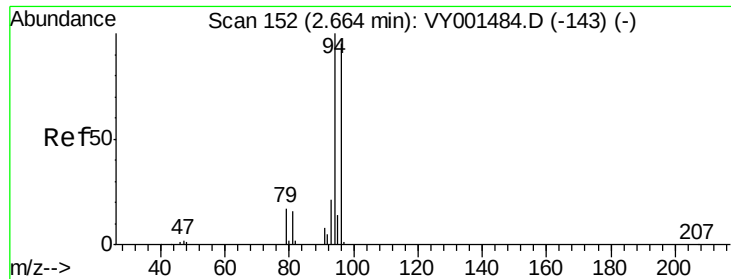
Tgt Ion: 62 Resp: 12629

Ion Ratio Lower Upper

62 100

64 33.1 26.4 39.6





#5

Bromomethane

Concen: 4.562 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9287

Ion Ratio Lower Upper

94 100

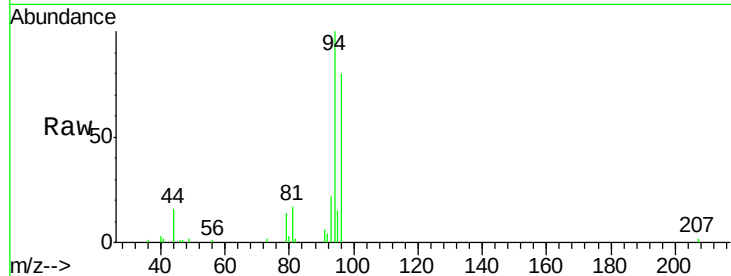
96 80.4 76.2 114.2

Manual Integrations

APPROVED

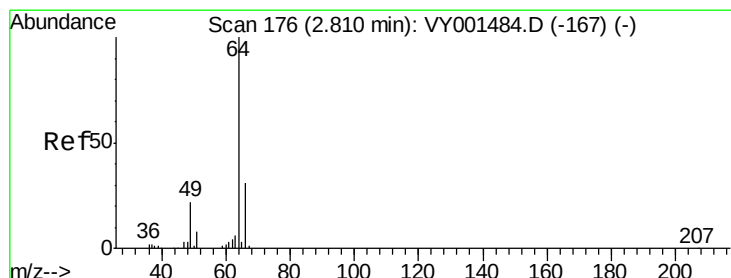
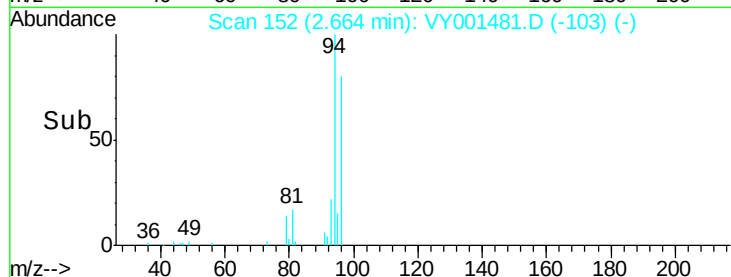
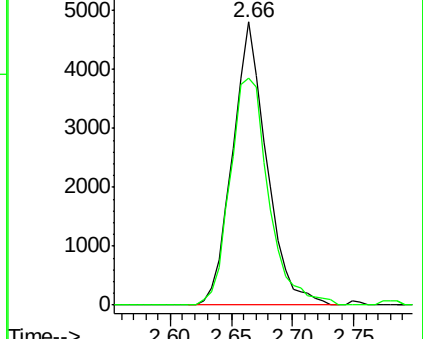
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 4.062 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001481.D

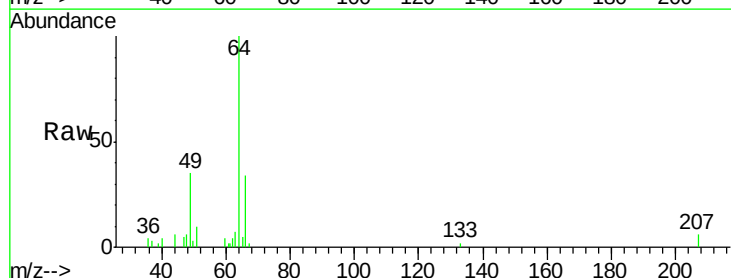
Acq: 04 Feb 2020 12:55

Tgt Ion: 64 Resp: 7802

Ion Ratio Lower Upper

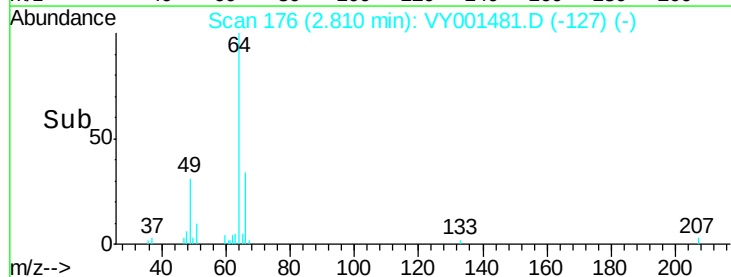
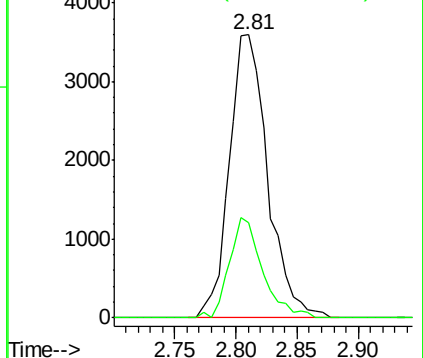
64 100

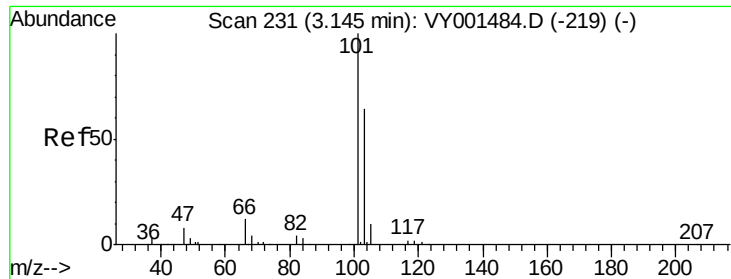
66 33.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

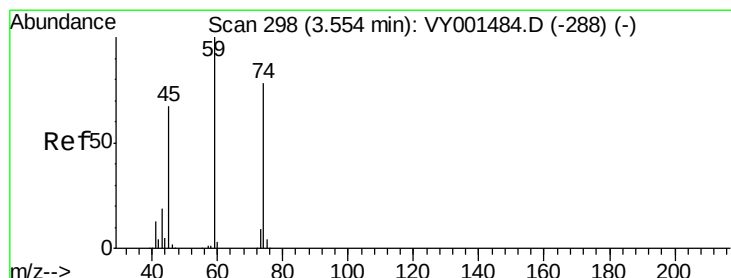
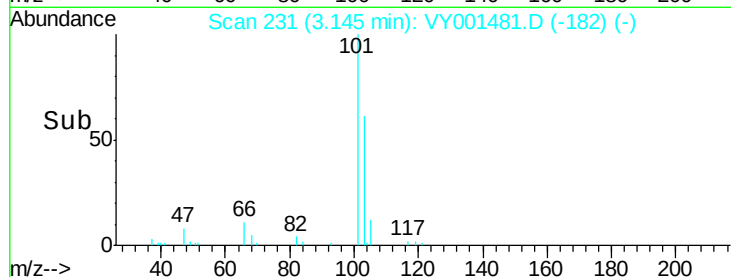
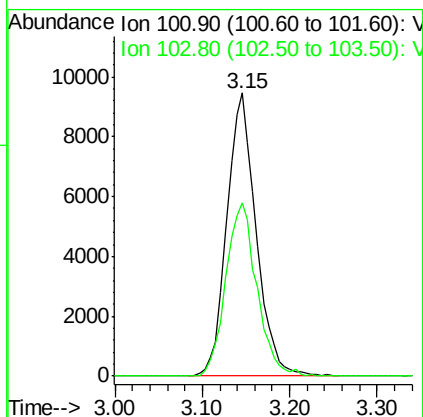
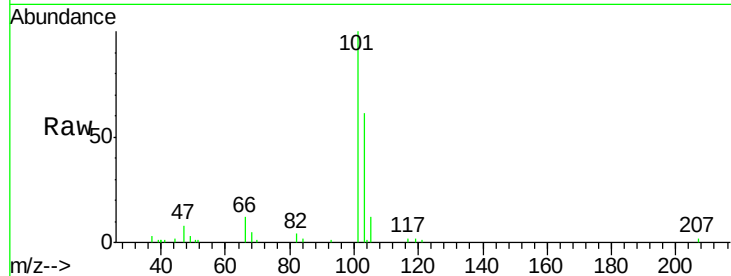
Trichlorofluoromethane
 Concen: 5.458 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	50.9	76.3

Manual Integrations
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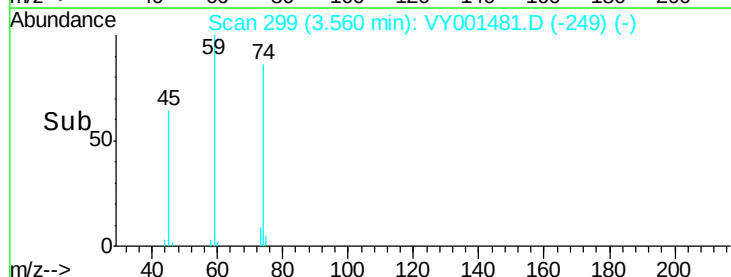
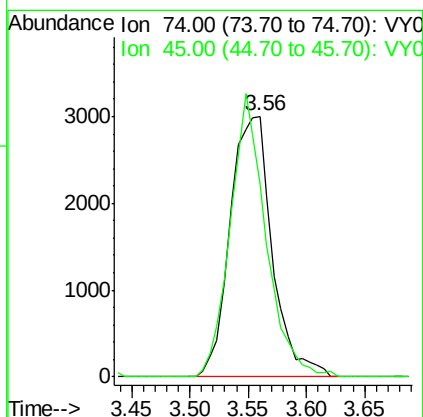
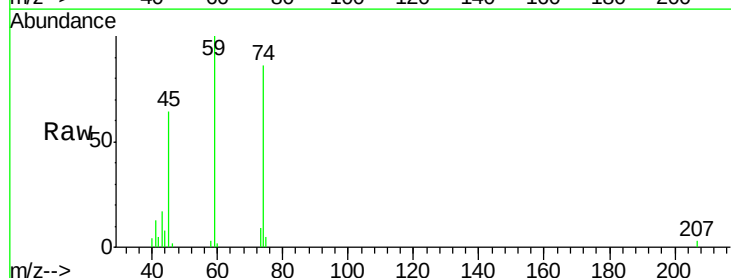
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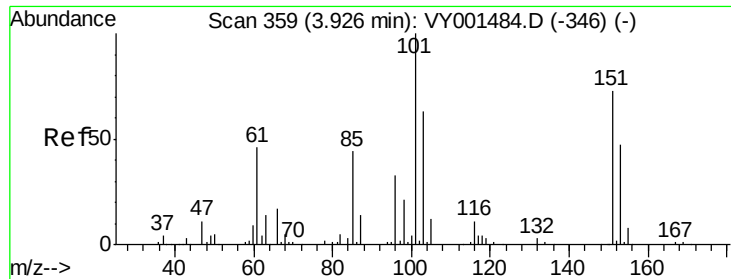


#8

Diethyl Ether
 Concen: 4.610 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	44.5	133.5





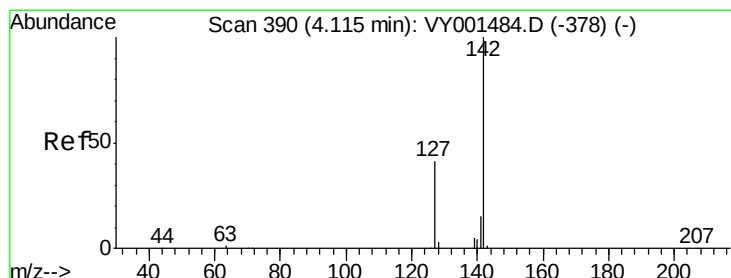
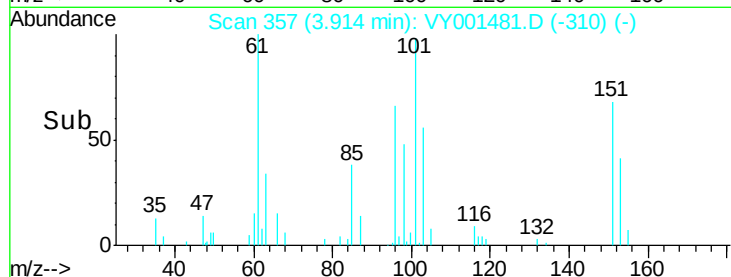
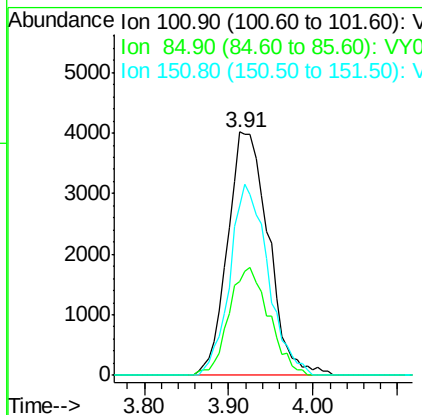
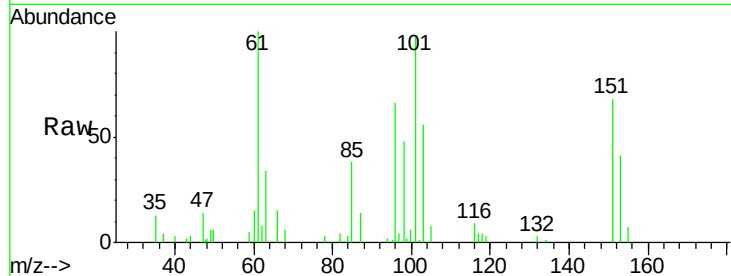
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.216 ug/l
RT: 3.91 min Scan# 357
Delta R.T. -0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.6	51.8
151	73.1	60.3	90.5

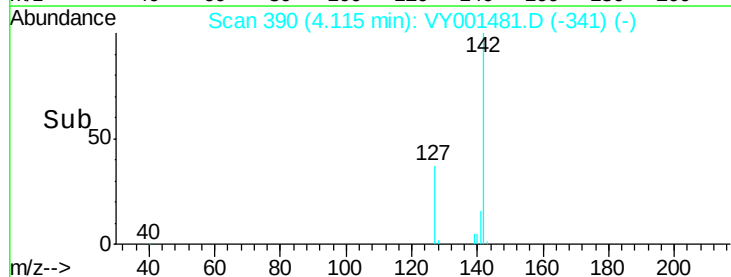
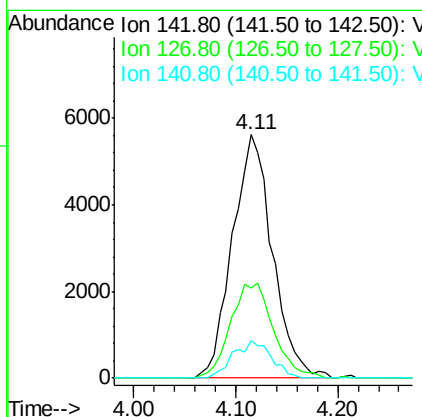
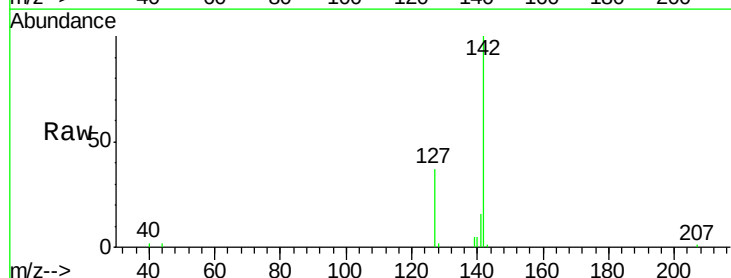
Manual Integrations
APPROVED

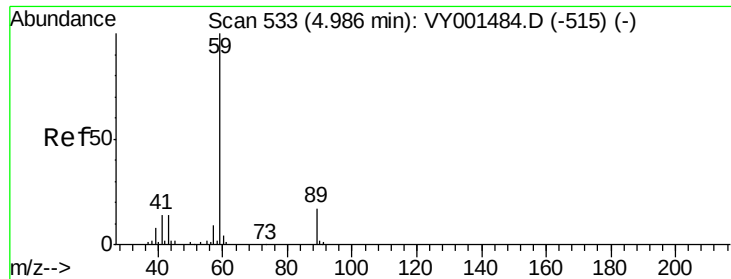
MMDadoda
2/5/2020 12:23:30 PM



#10
Methyl Iodide
Concen: 4.600 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.5	33.3	49.9
141	14.7	11.5	17.3





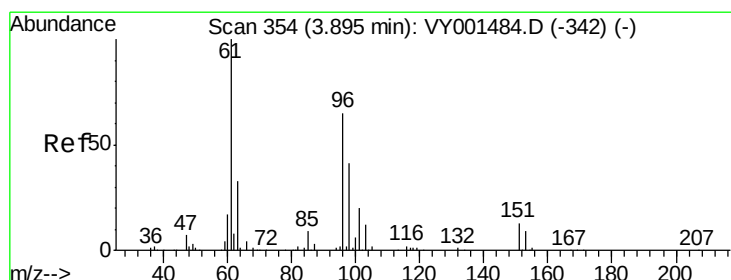
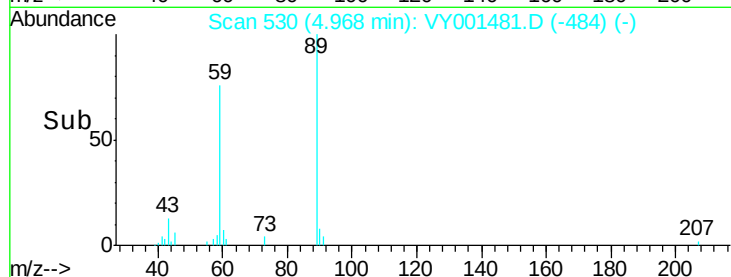
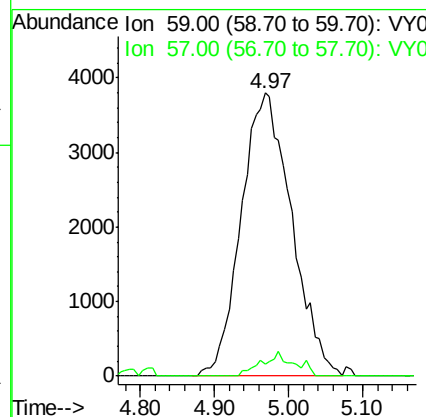
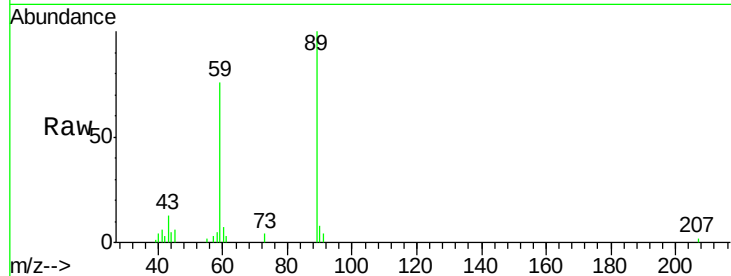
#11
Tert butyl alcohol
Concen: 44.780 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 17948
Ion Ratio Lower Upper
59 100
57 5.5 7.0 10.6#

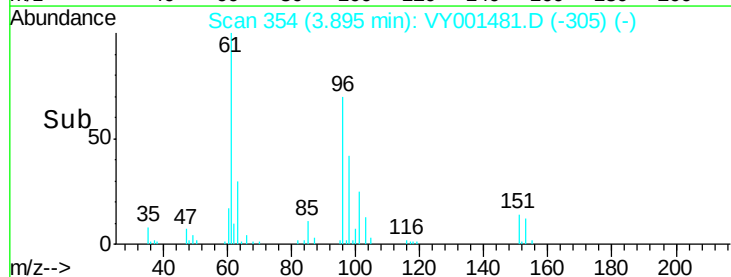
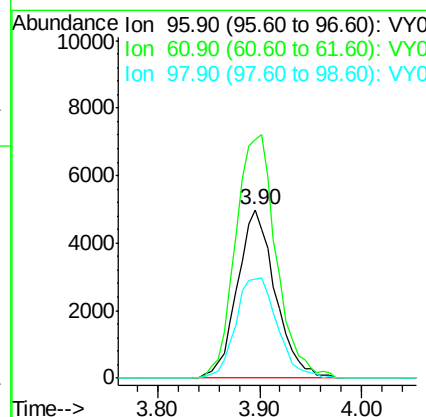
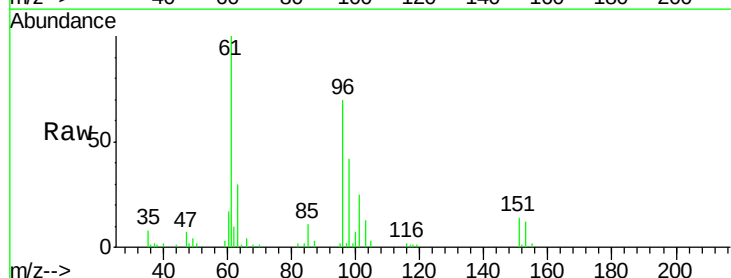
Manual Integrations
APPROVED

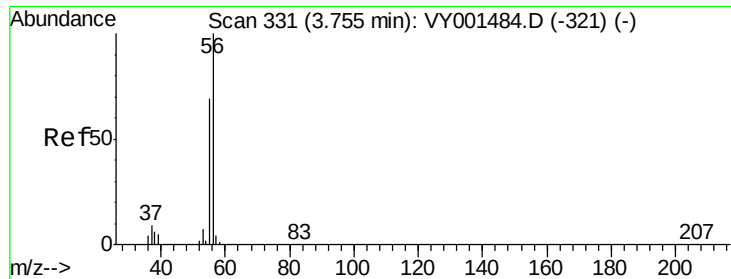
MMDadoda
2/5/2020 12:23:30 PM



#12
1,1-Dichloroethene
Concen: 4.844 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion: 96 Resp: 12847
Ion Ratio Lower Upper
96 100
61 142.0 122.3 183.5
98 59.1 49.7 74.5





#13

Acrolein

Concen: 27.157 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6308

Ion Ratio Lower Upper

56 100

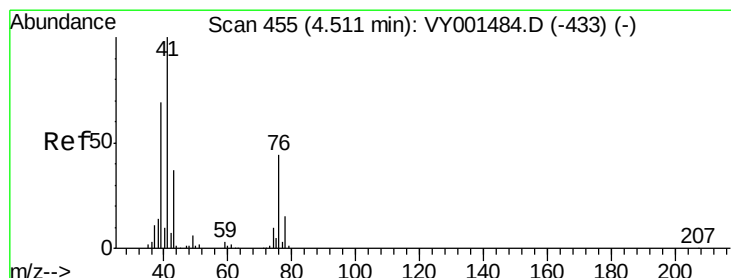
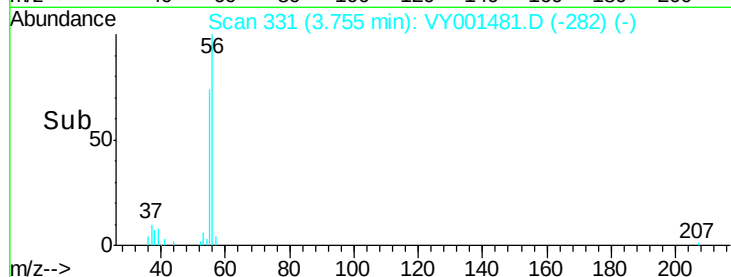
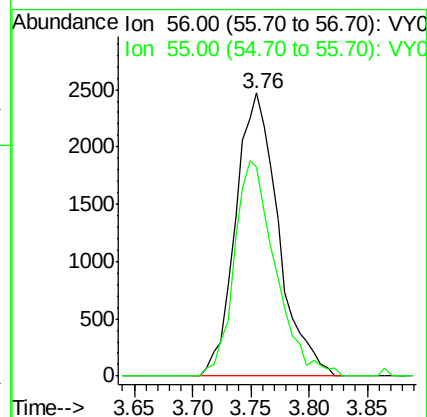
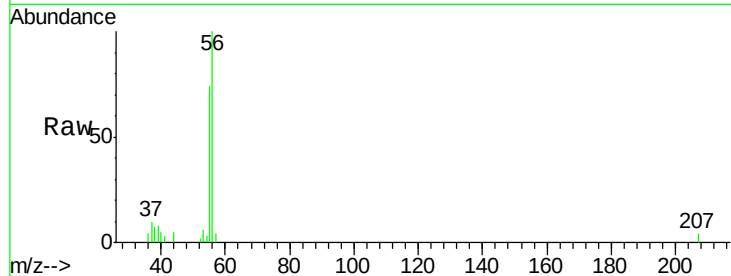
55 73.5 56.2 84.4

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 4.386 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

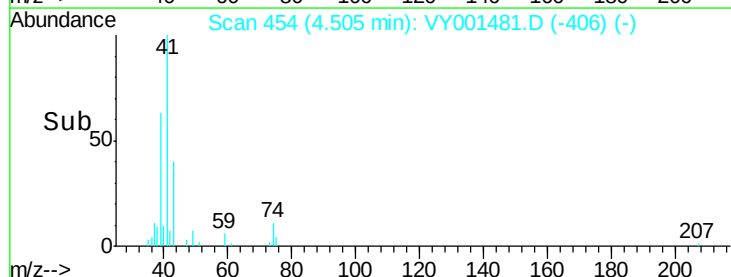
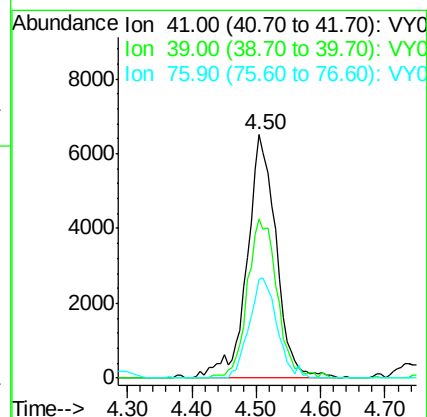
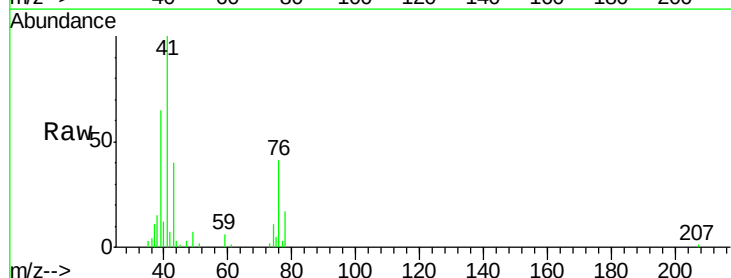
Tgt Ion: 41 Resp: 20189

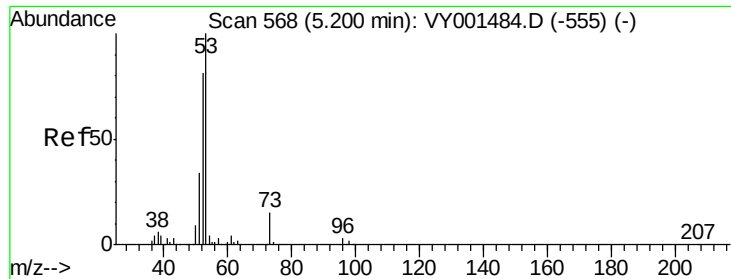
Ion Ratio Lower Upper

41 100

39 66.6 53.0 79.6

76 39.0 32.6 48.8





#15

Acrylonitrile

Concen: 21.743 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

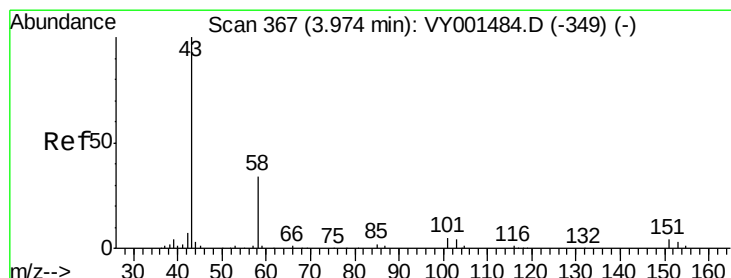
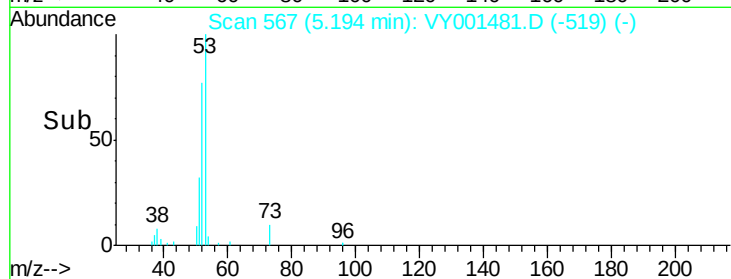
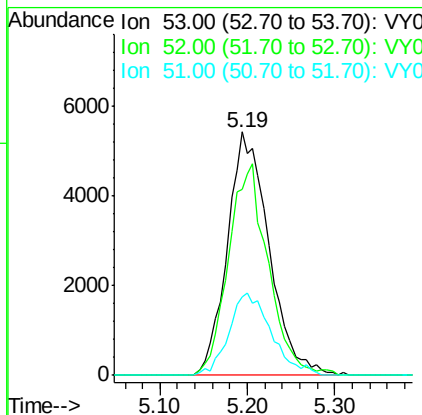
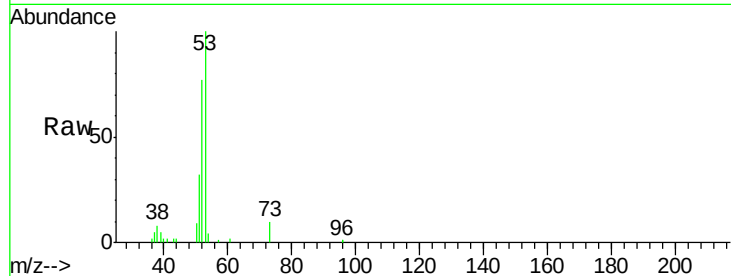
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17897
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.4	98.2
51	34.6	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 27.378 ug/l

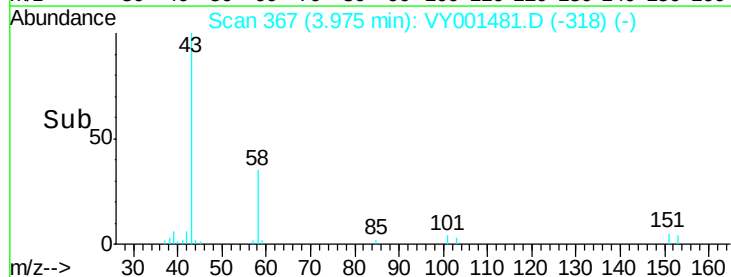
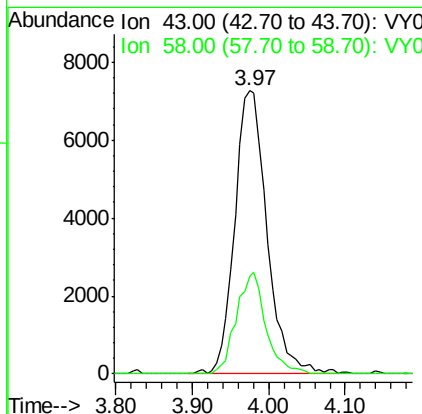
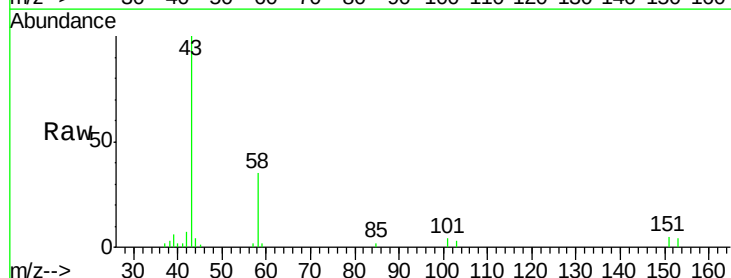
RT: 3.97 min Scan# 367

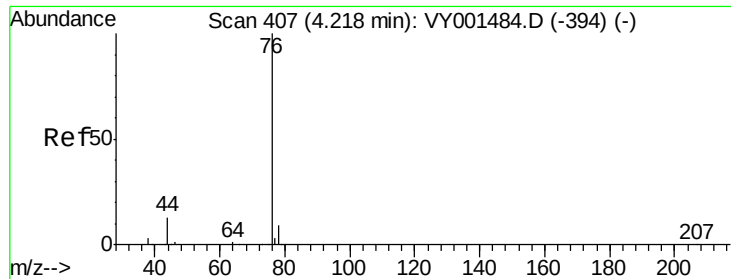
Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion:	43	Resp:	21234
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.5	41.3





#17

Carbon Disulfide

Concen: 4.846 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 40554

Ion Ratio Lower Upper

76 100

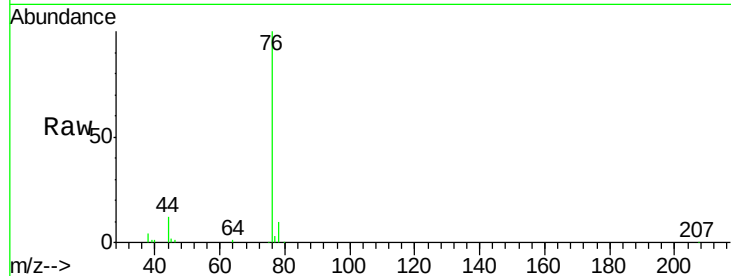
78 10.2 7.0 10.6

Manual Integrations

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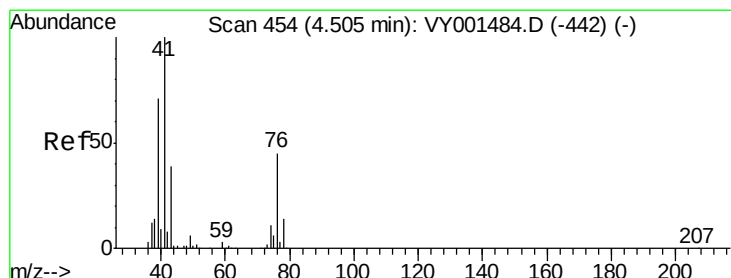
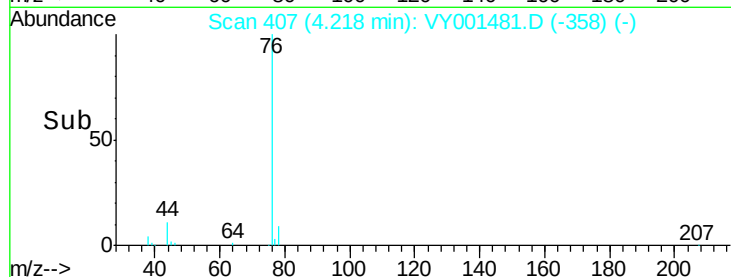
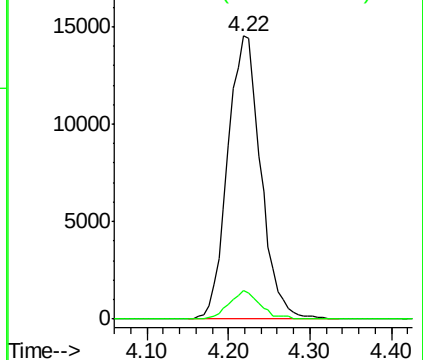
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 3.933 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY001481.D

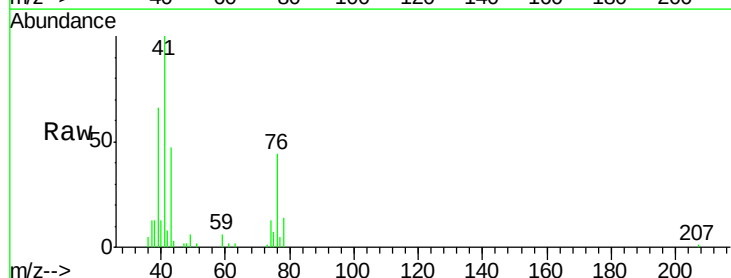
Acq: 04 Feb 2020 12:55

Tgt Ion: 43 Resp: 8517

Ion Ratio Lower Upper

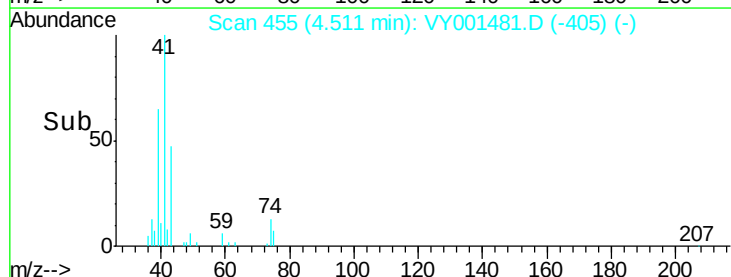
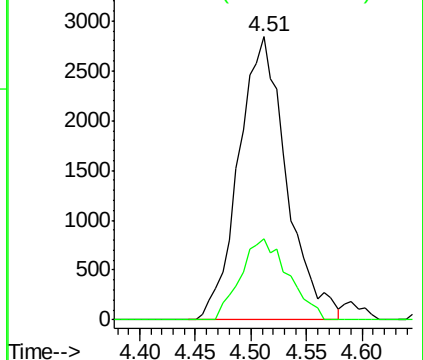
43 100

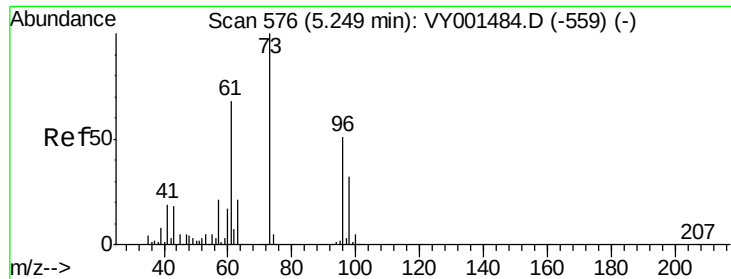
74 28.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





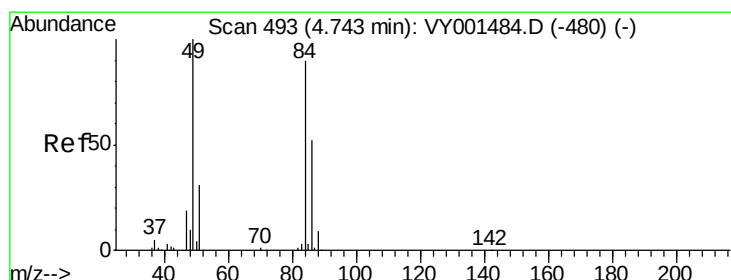
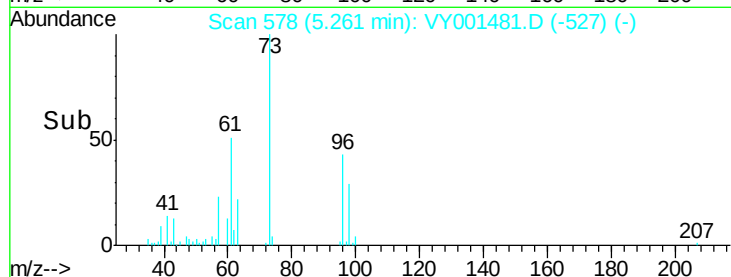
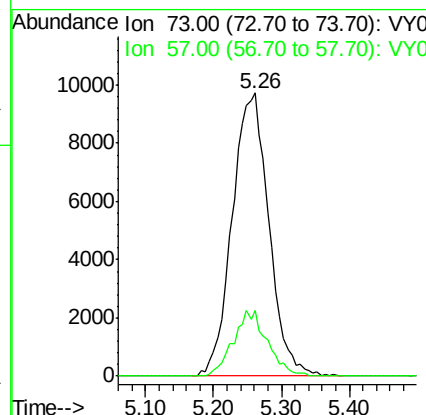
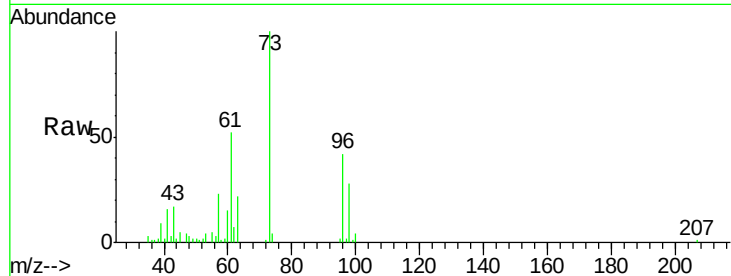
#19
Methyl tert-butyl Ether
Concen: 4.784 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 36354
Ion Ratio Lower Upper
73 100
57 23.4 17.0 25.6

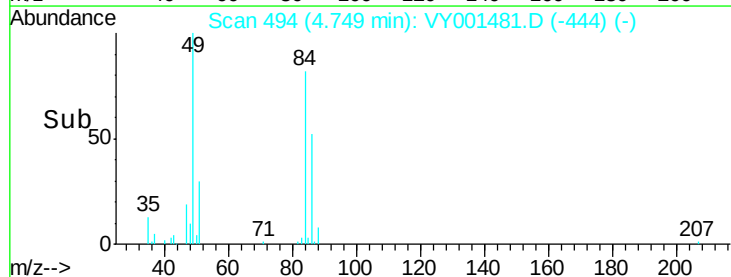
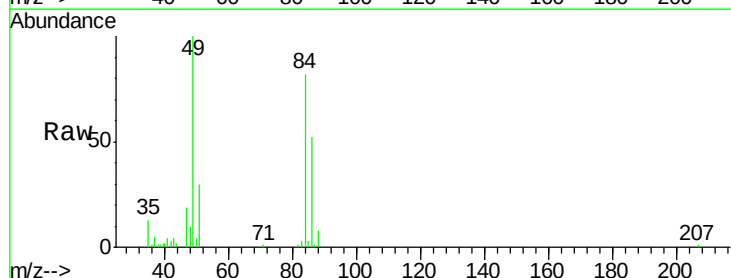
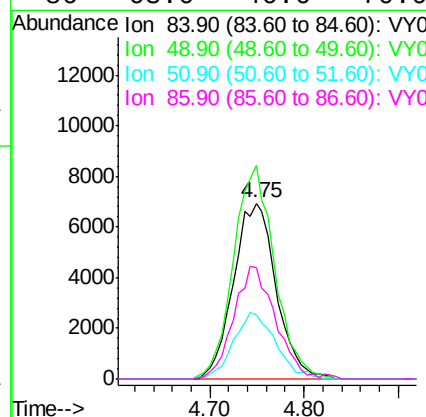
Manual Integrations
APPROVED

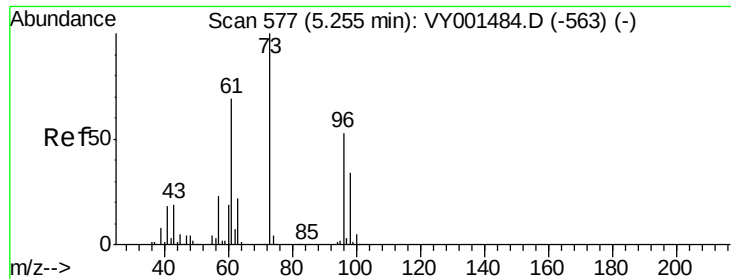
MMDadoda
2/5/2020 12:23:30 PM



#20
Methylene Chloride
Concen: 5.327 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion: 84 Resp: 21948
Ion Ratio Lower Upper
84 100
49 121.5 89.0 133.6
51 36.2 27.4 41.2
86 63.0 46.6 70.0





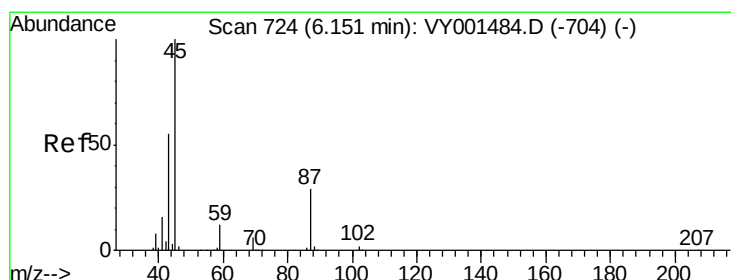
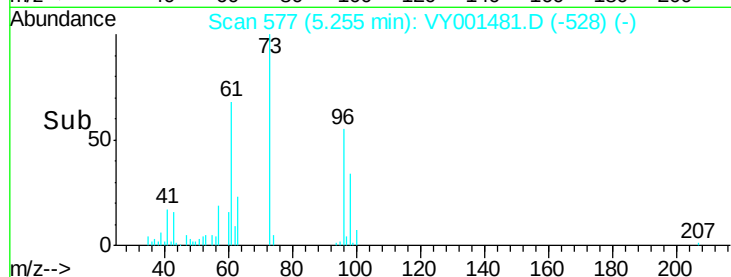
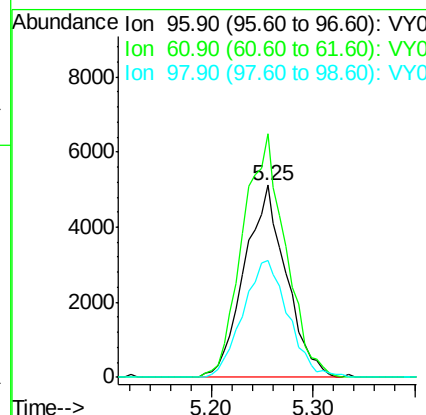
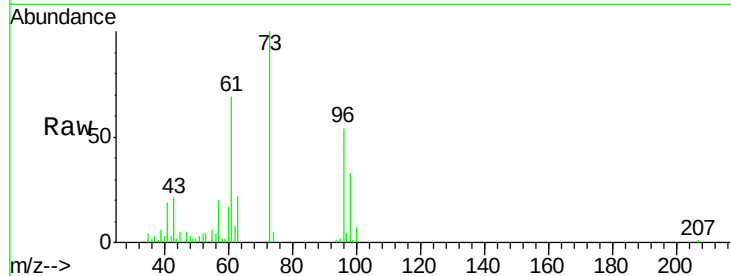
#21
trans-1,2-Dichloroethene
Concen: 4.768 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	104.2	156.4
98	61.1	51.4	77.0

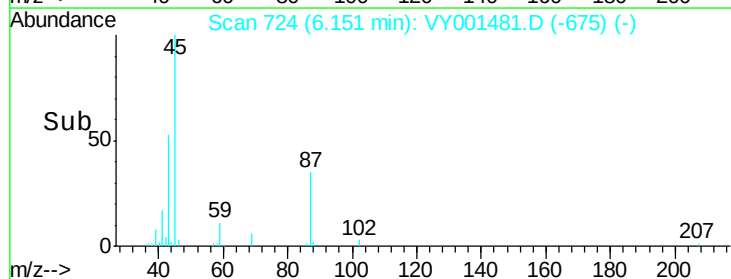
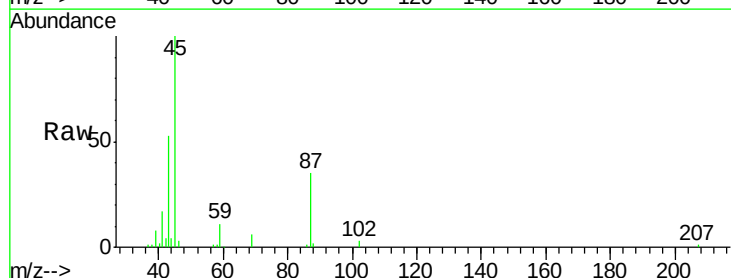
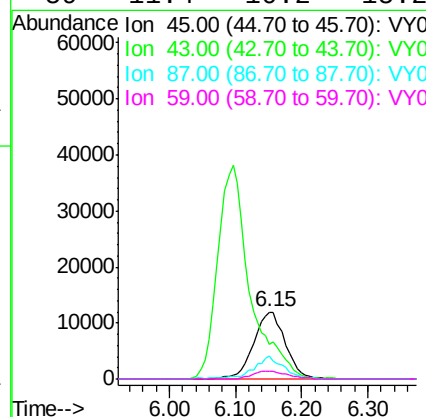
Manual Integrations
APPROVED

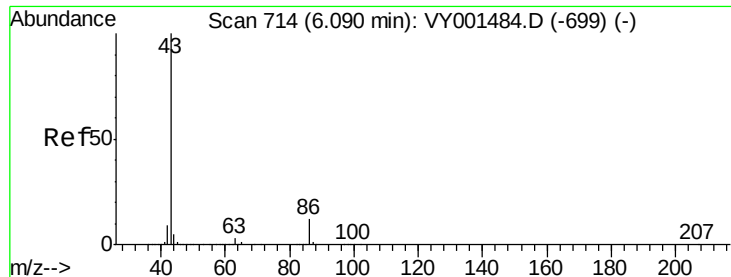
MMDadoda
2/5/2020 12:23:30 PM



#22
Diisopropyl ether
Concen: 4.095 ug/l
RT: 6.15 min Scan# 724
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.2	66.4
87	34.7	23.9	35.9
59	11.4	10.2	15.2





#23

Vinyl Acetate

Concen: 20.708 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 129567

Ion Ratio Lower Upper

43 100

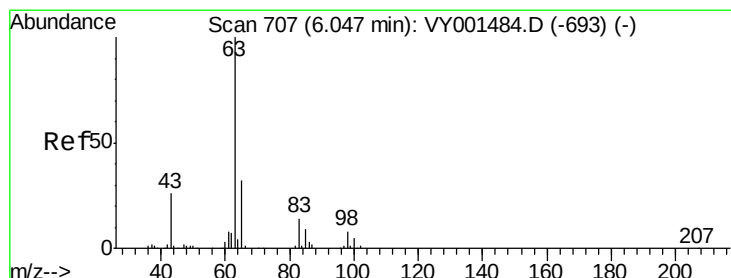
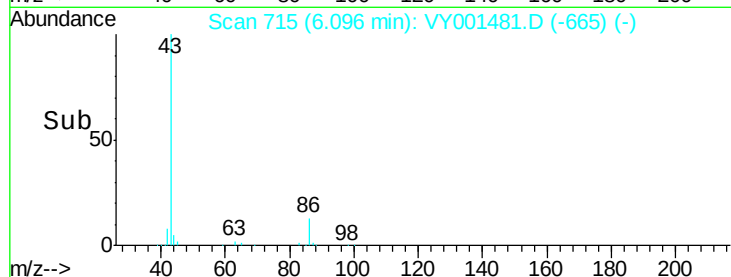
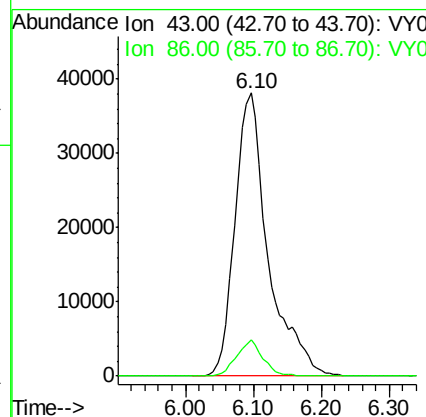
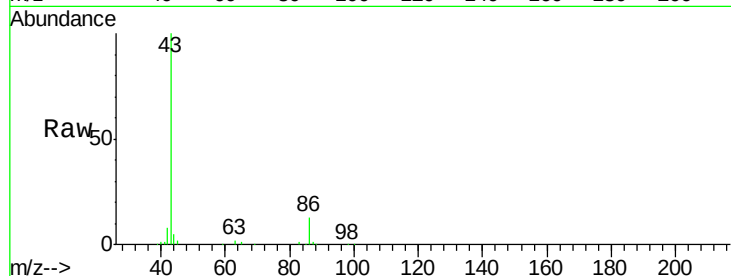
86 13.0 9.8 14.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 4.609 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

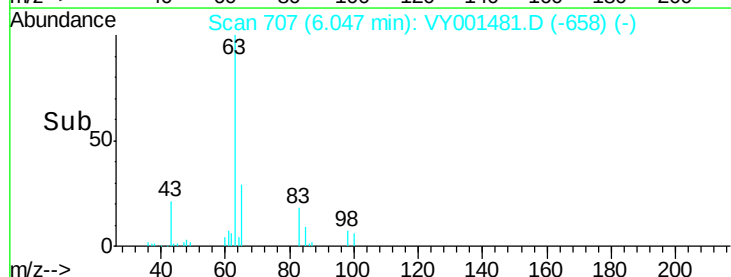
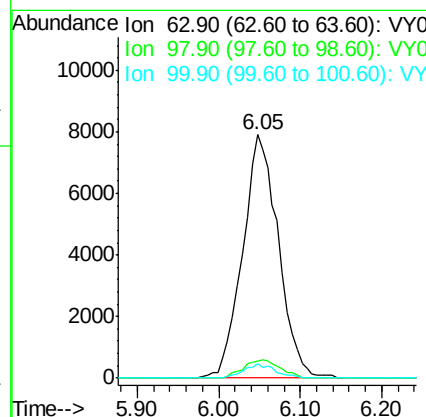
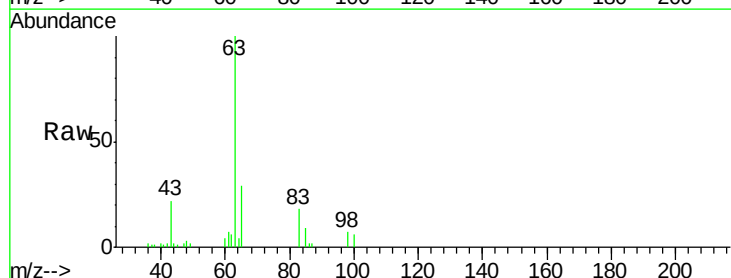
Tgt Ion: 63 Resp: 23988

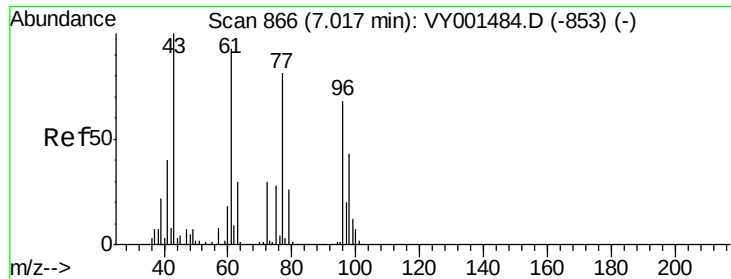
Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

100 5.8 2.6 8.0





#25

2-Butanone

Concen: 23.172 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26370

Ion Ratio Lower Upper

43 100

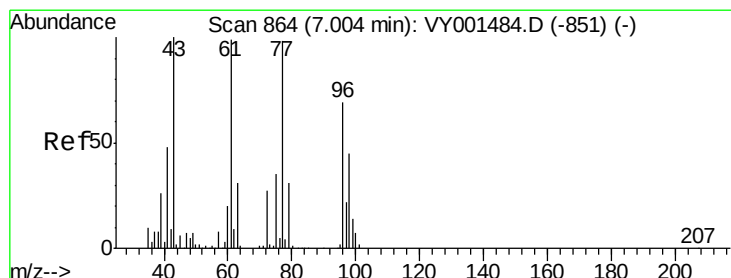
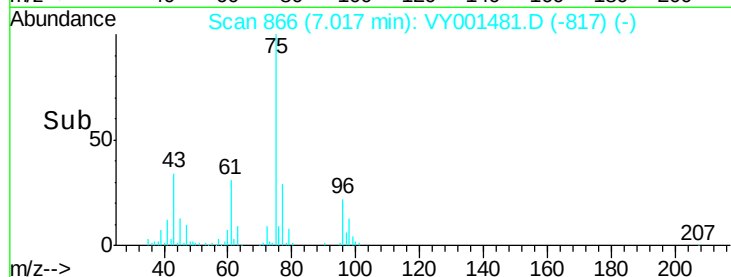
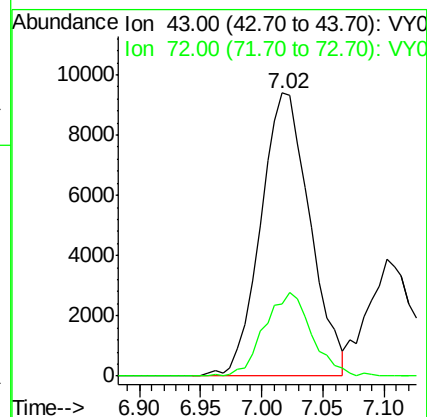
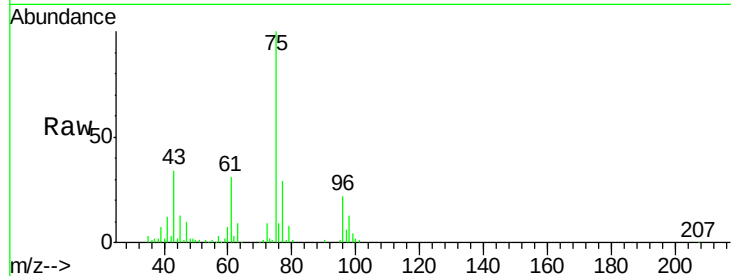
72 25.3 23.8 35.8

Manual Integrations

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MMDadoda

2/5/2020 12:23:30 PM



#26

2,2-Dichloropropane

Concen: 5.404 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001481.D

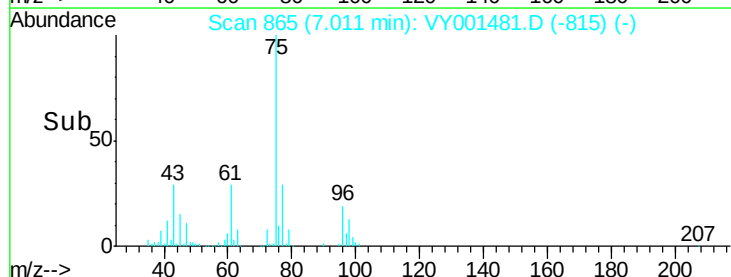
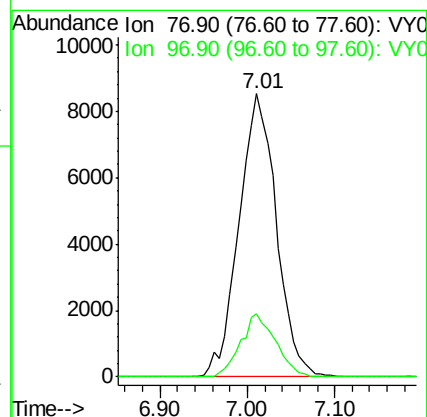
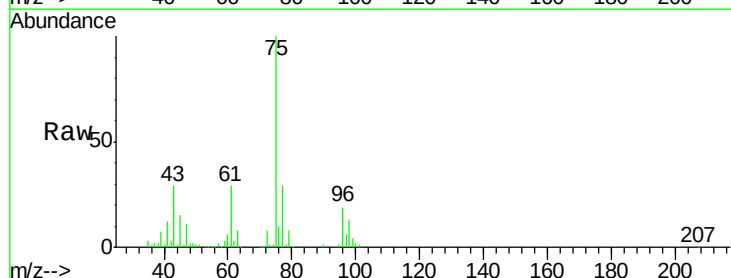
Acq: 04 Feb 2020 12:55

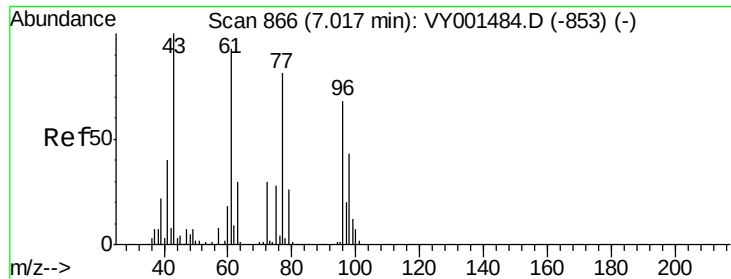
Tgt Ion: 77 Resp: 25317

Ion Ratio Lower Upper

77 100

97 20.8 11.7 35.0





#27

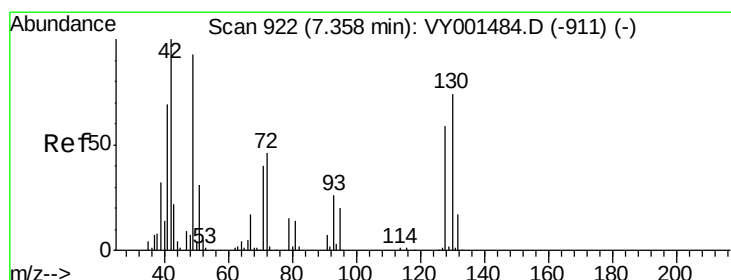
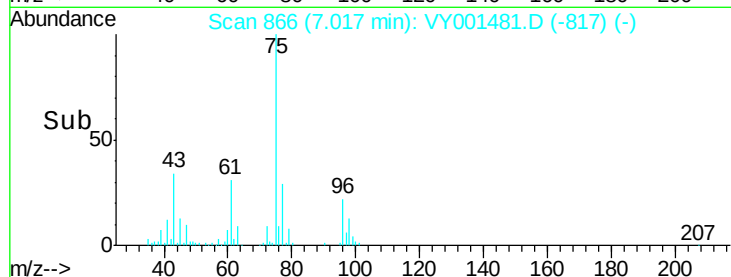
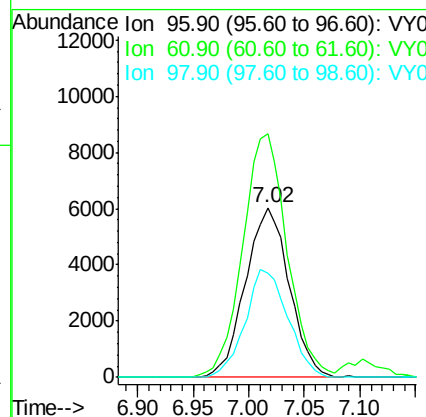
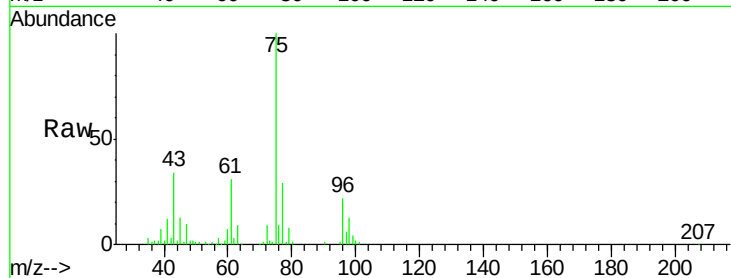
cis-1,2-Dichloroethene
Concen: 4.872 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	278.8
98	61.6	0.0	128.8

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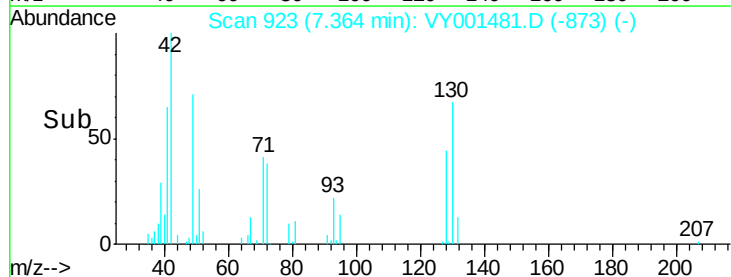
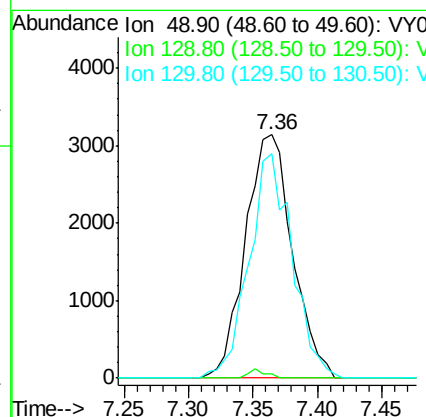
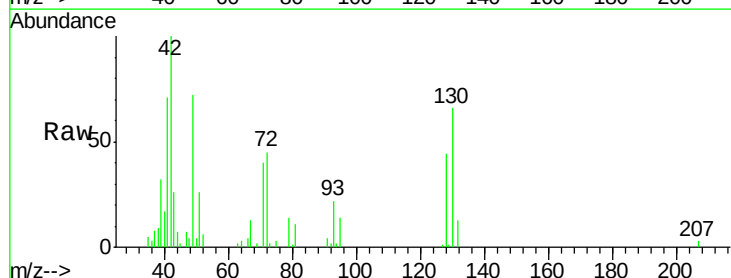
MMDadoda
2/5/2020 12:23:30 PM

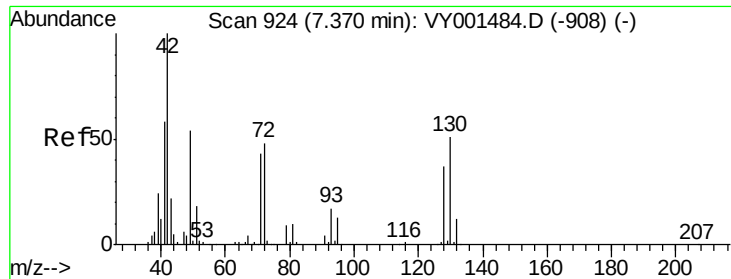


#28

Bromochloromethane
Concen: 3.781 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	84.4	65.4	98.2





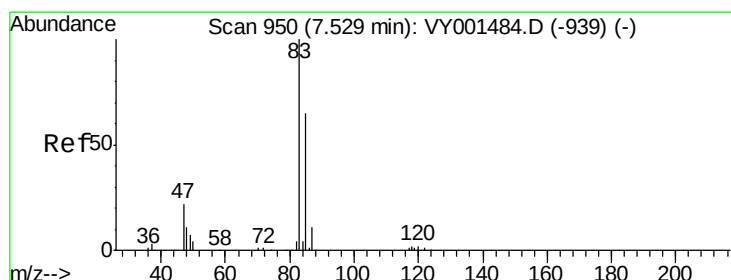
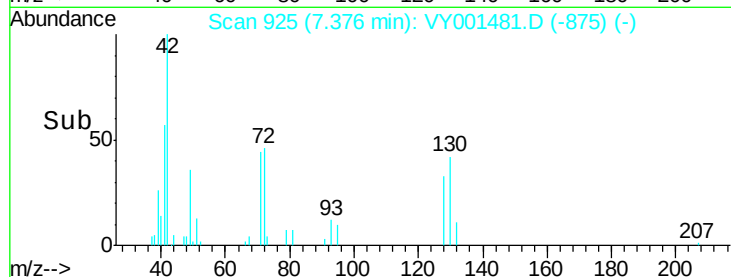
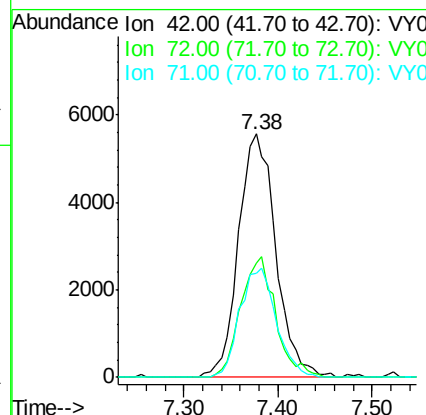
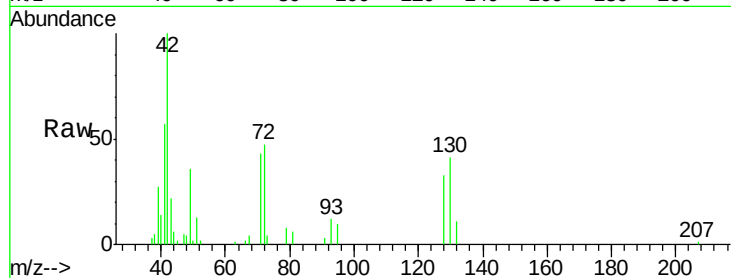
#29
Tetrahydrofuran
Concen: 21.086 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.6	34.8	52.2

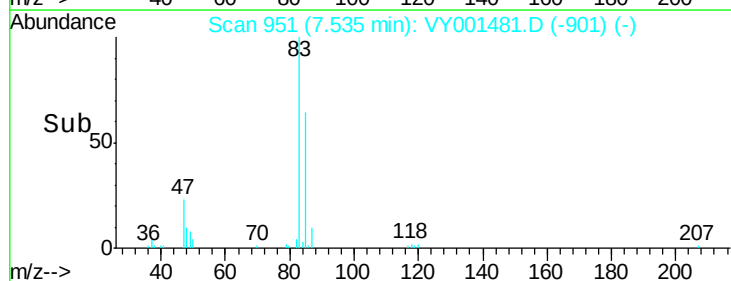
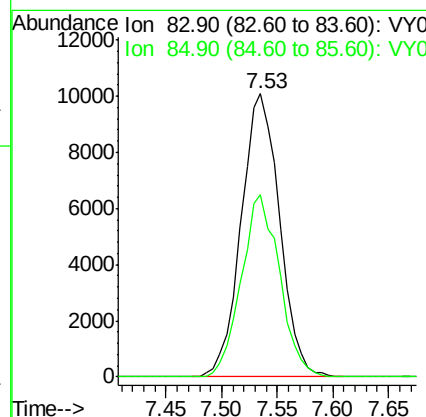
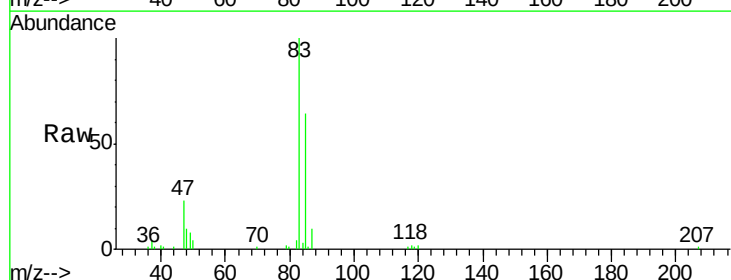
Manual Integrations
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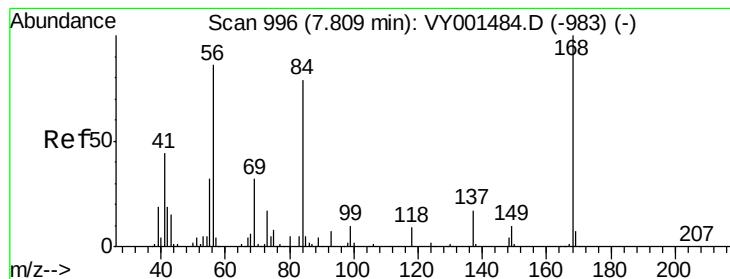
MMDadoda
2/5/2020 12:23:30 PM



#30
Chloroform
Concen: 4.695 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6





#31

Cyclohexane

Concen: 5.245 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

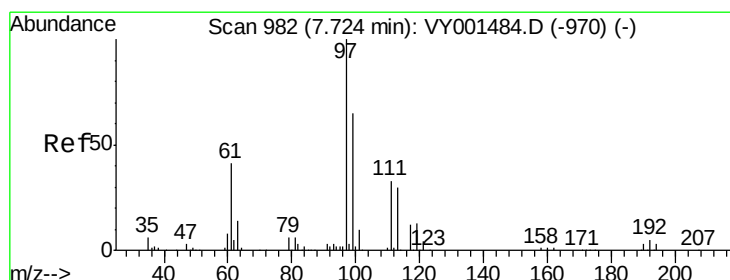
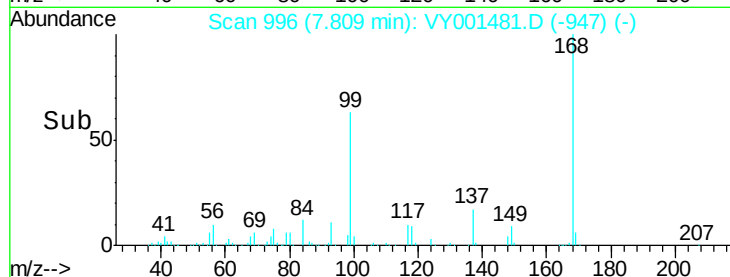
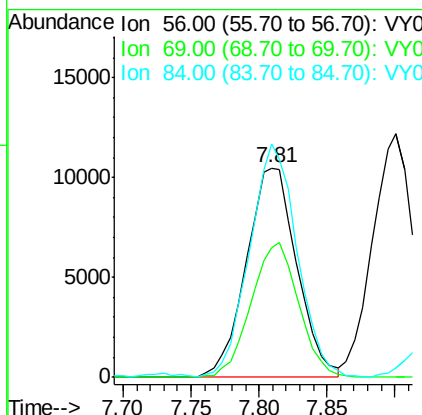
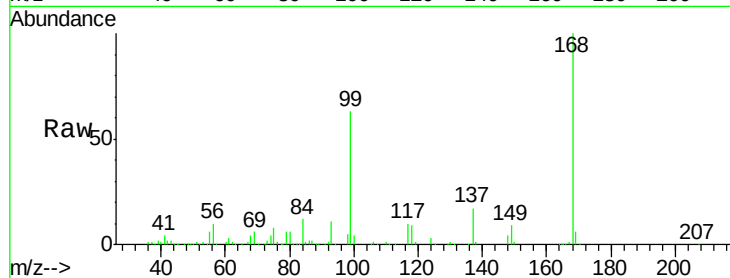
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	27256
Ion Ratio		Lower	Upper
56	100		
69	62.1	29.6	44.4#
84	110.9	73.6	110.4#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.910 ug/l

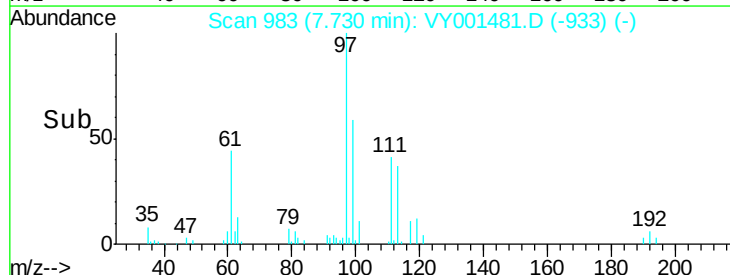
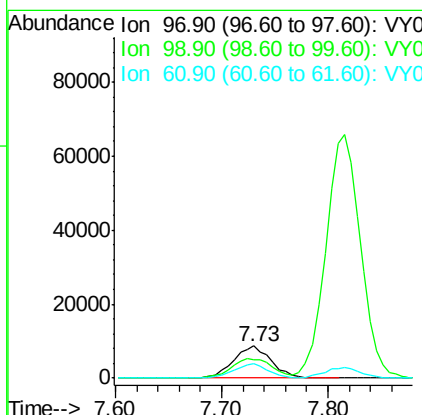
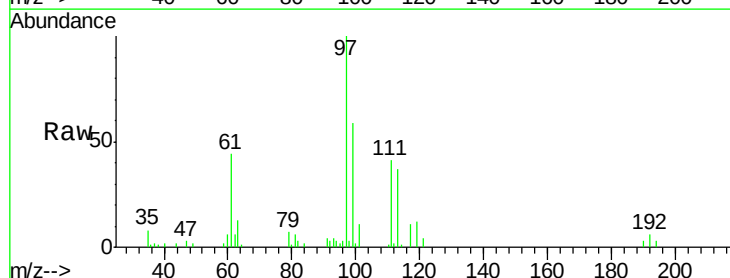
RT: 7.73 min Scan# 983

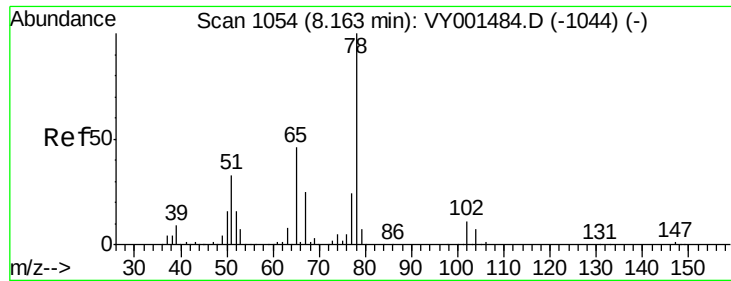
Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion:	97	Resp:	21533
Ion Ratio		Lower	Upper
97	100		
99	66.0	51.8	77.8
61	41.3	32.5	48.7





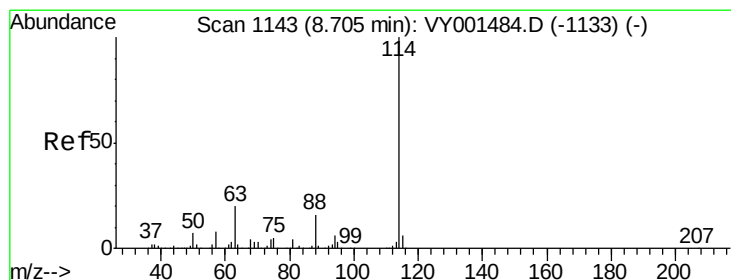
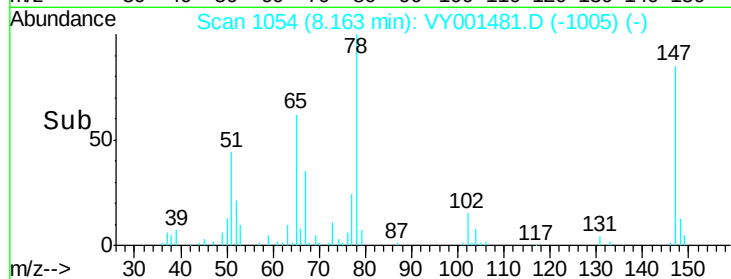
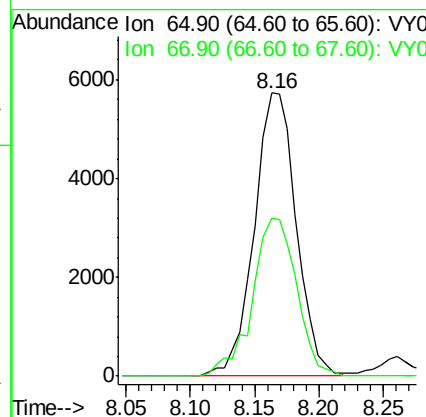
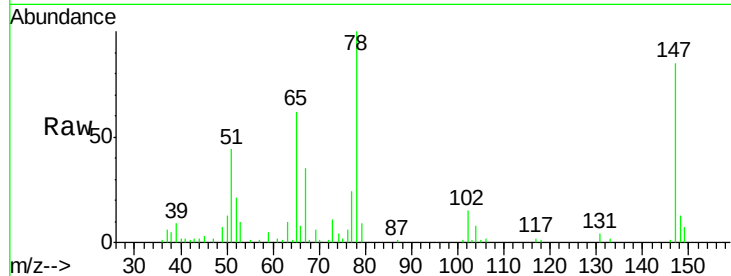
#33
 1,2-Dichloroethane-d4
 Concen: 4.880 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.9	0.0	108.6

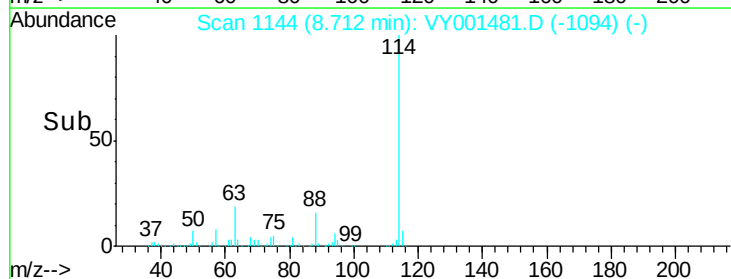
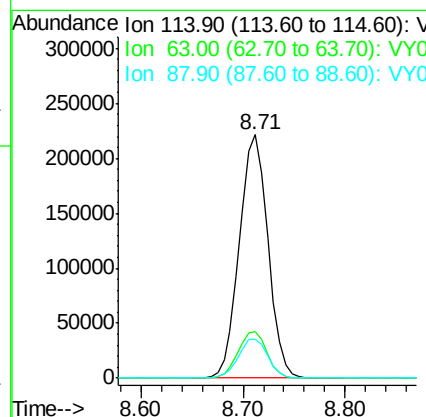
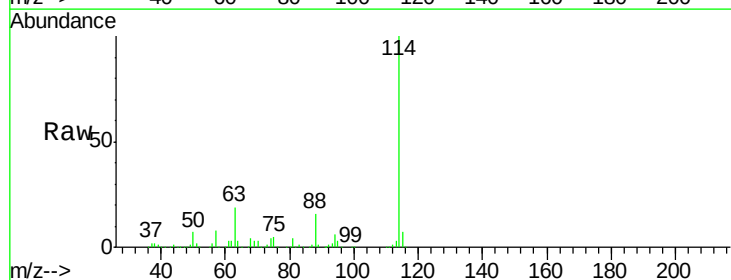
Manual Integrations
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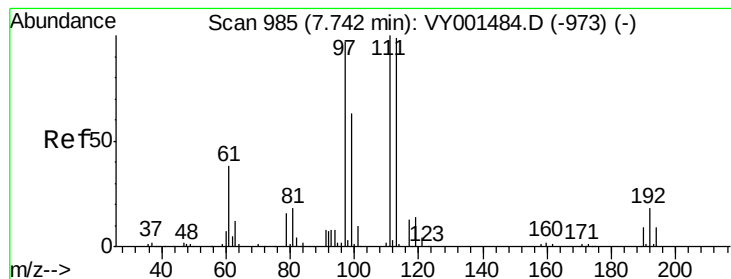
MMDadoda
 2/5/2020 12:23:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.8
88	16.2	0.0	32.6





#35

Dibromofluoromethane

Concen: 4.779 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

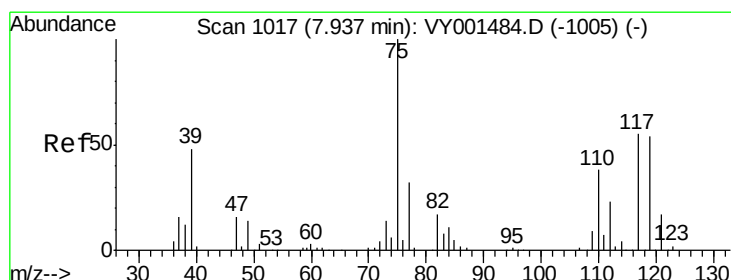
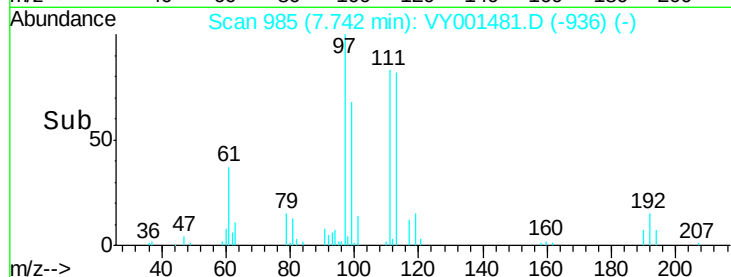
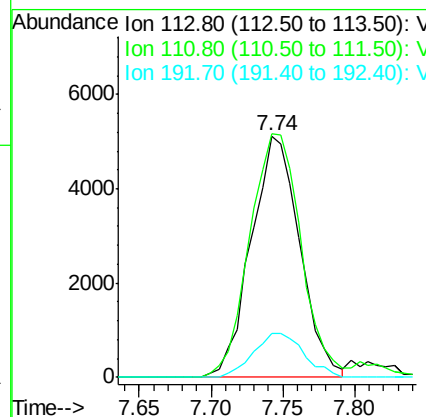
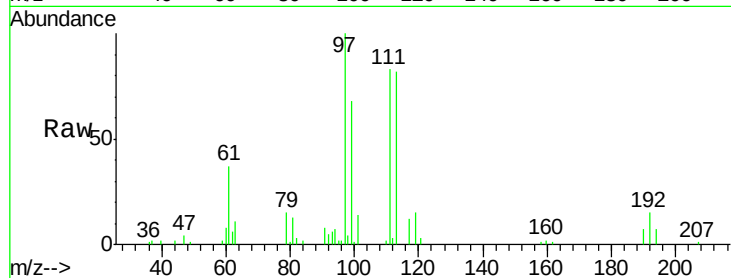
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	11981
Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.9	124.3
192	18.9	14.6	22.0

Manual Integrations
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2/5/2020 12:23:30 PM



#36

1,1-Dichloropropene

Concen: 4.915 ug/l

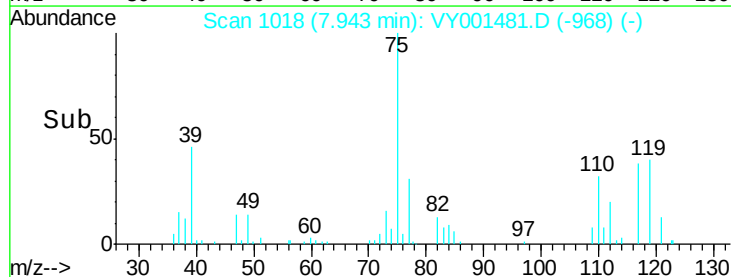
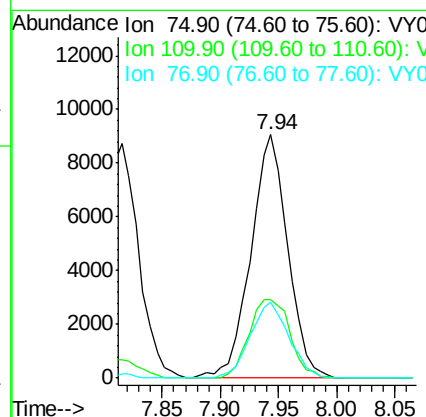
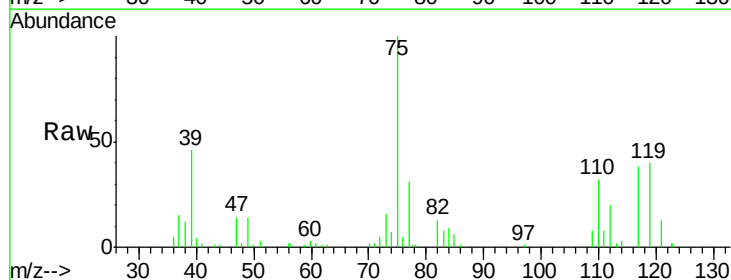
RT: 7.94 min Scan# 1018

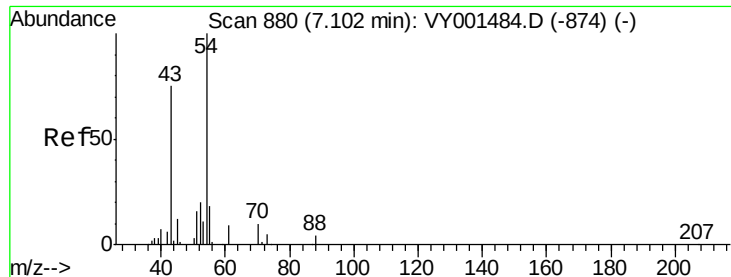
Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion:	75	Resp:	20013
Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.2	54.6
77	32.7	25.0	37.4





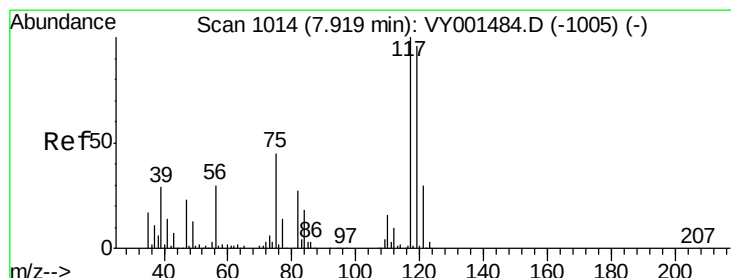
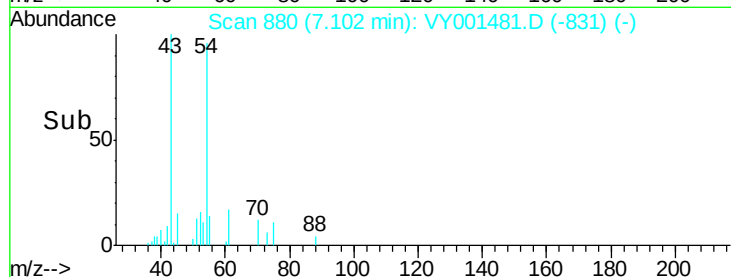
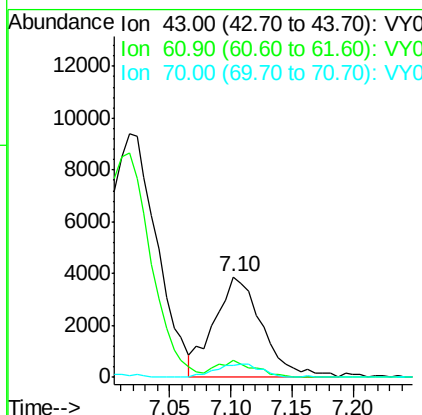
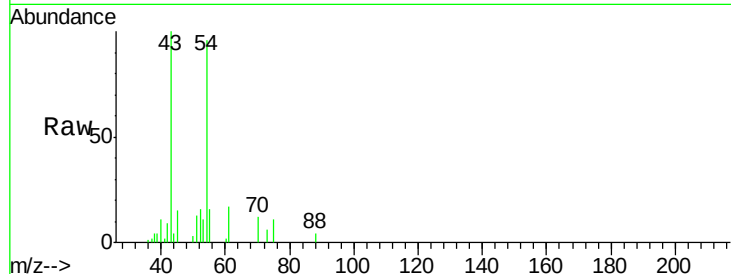
#37
Ethyl Acetate
Concen: 4.446 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	12.4	10.2	15.4

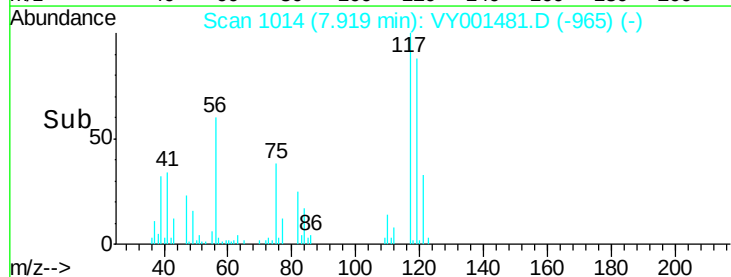
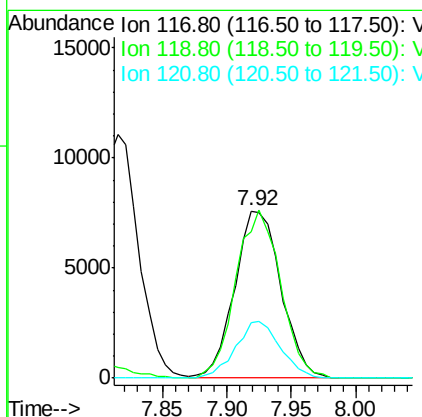
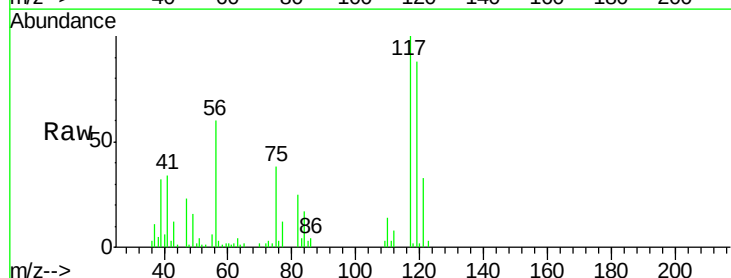
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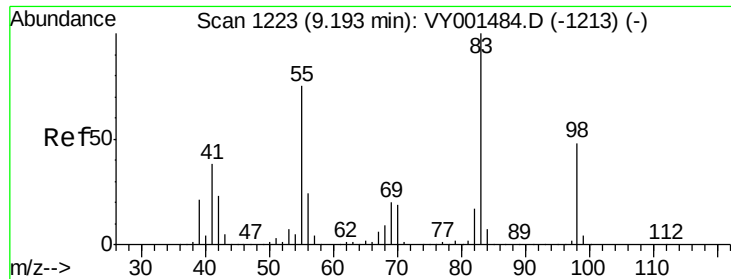
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2/5/2020 12:23:30 PM



#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.5	76.4	114.6
121	33.3	24.2	36.4





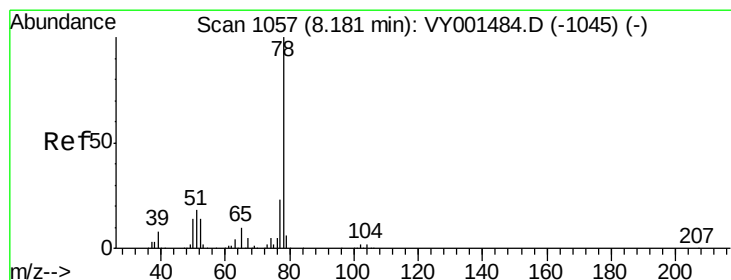
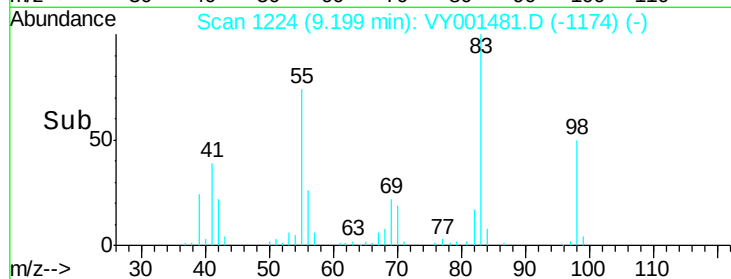
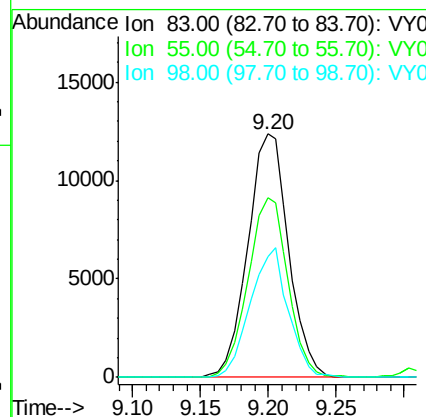
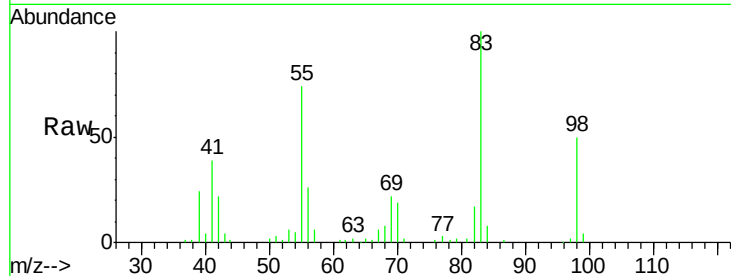
#39
Methylvlcyclohexane
Concen: 4.950 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.8	89.6
98	49.7	38.6	57.8

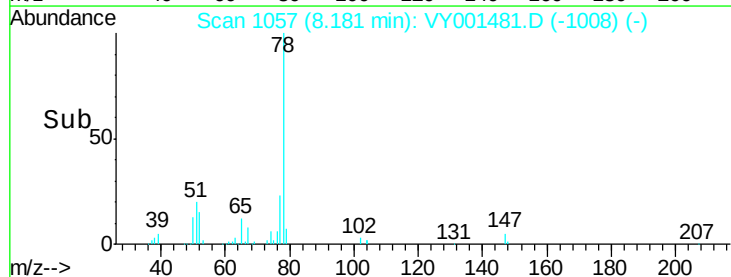
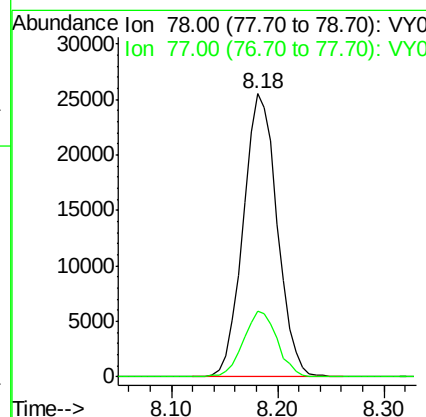
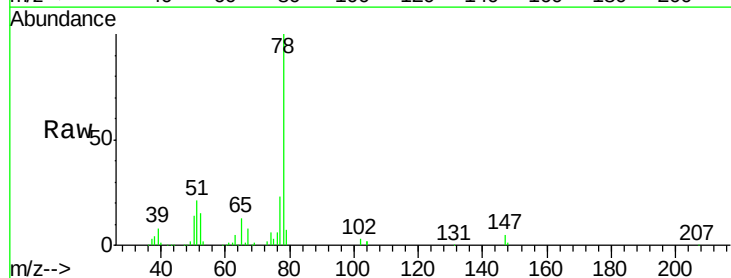
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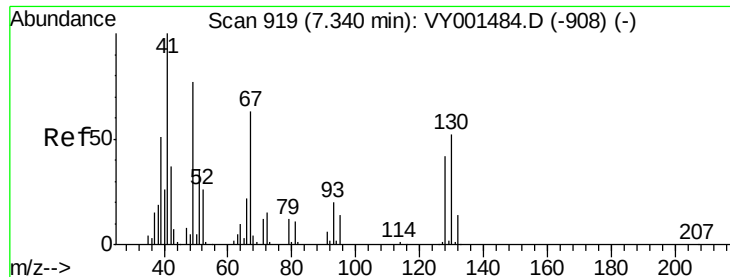
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#40
Benzene
Concen: 4.732 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





#41

Methacrylonitrile

Concen: 2.998 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3644

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

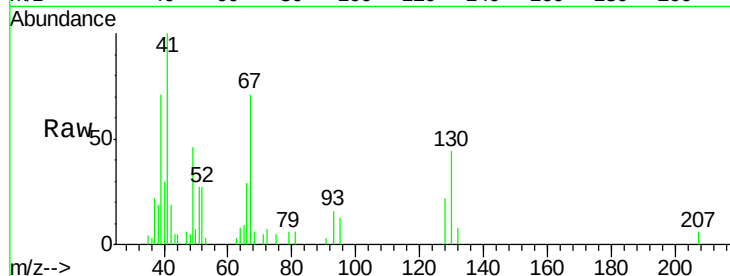
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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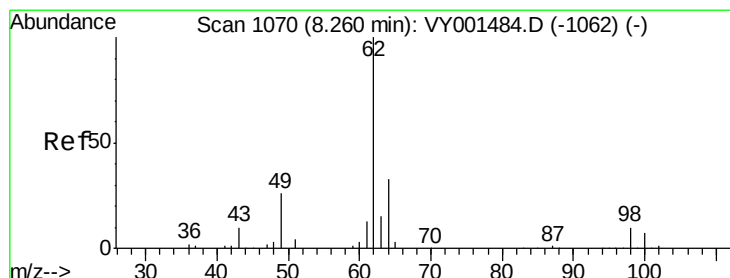
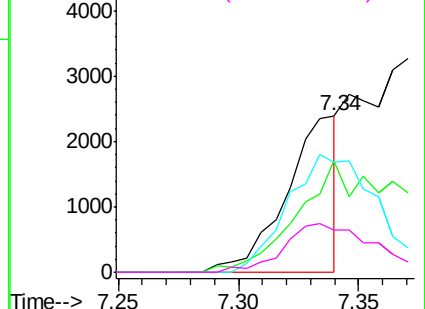
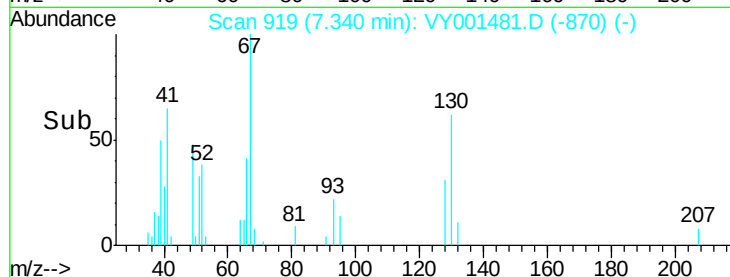


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 4.877 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001481.D

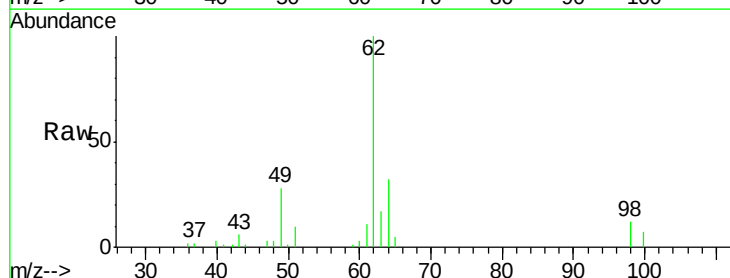
Acq: 04 Feb 2020 12:55

Tgt Ion: 62 Resp: 16380

Ion Ratio Lower Upper

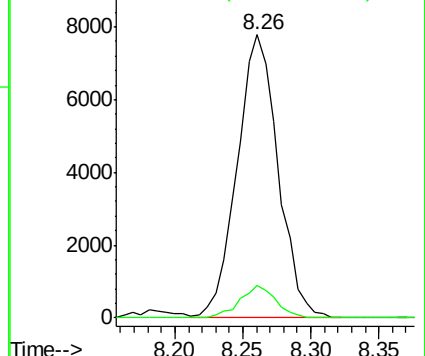
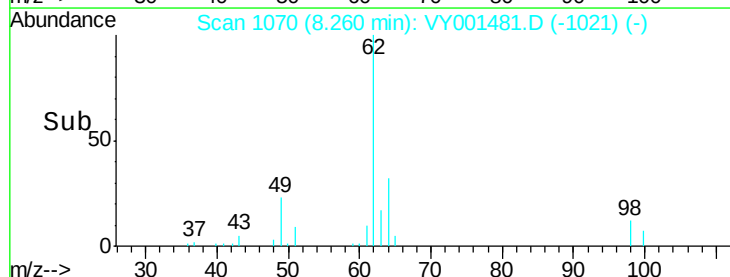
62 100

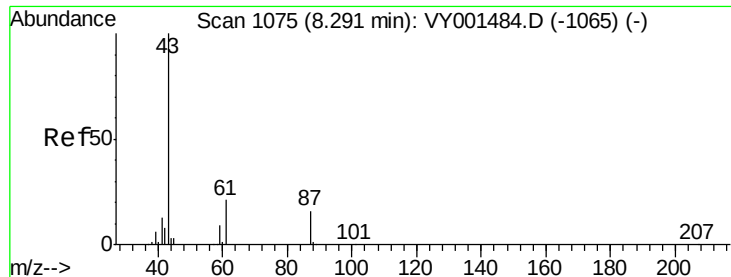
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





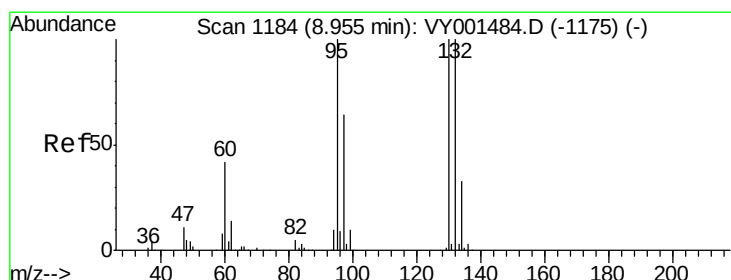
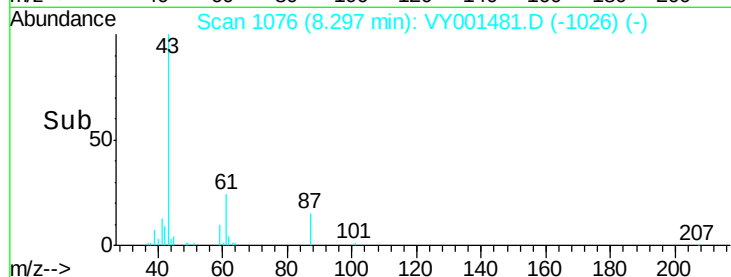
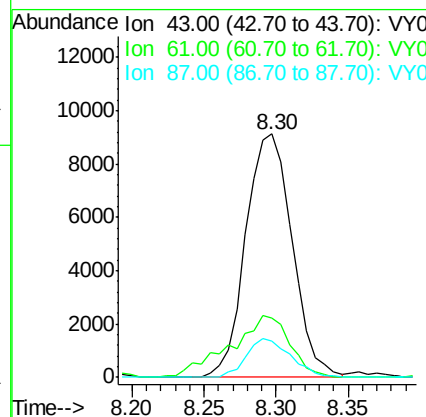
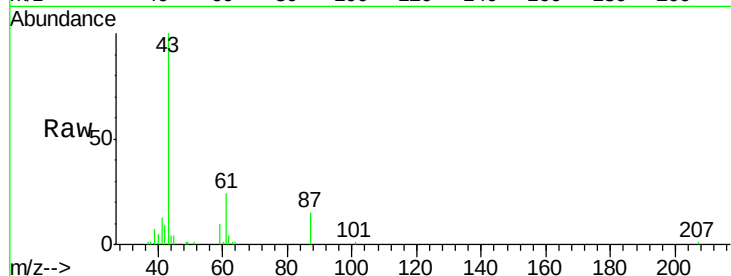
#43
Isopropyl Acetate
Concen: 4.400 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.1	37.7
87	15.1	12.6	19.0

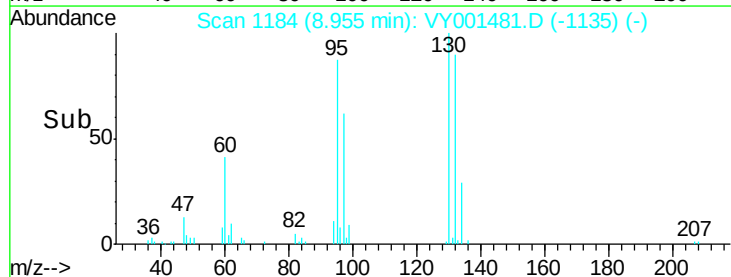
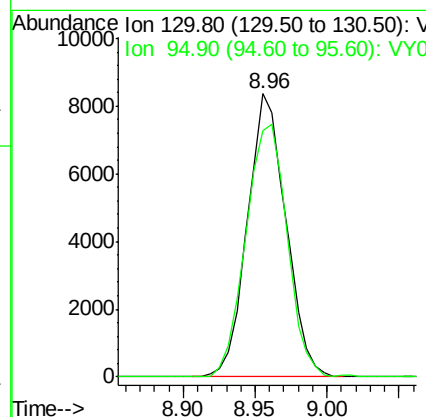
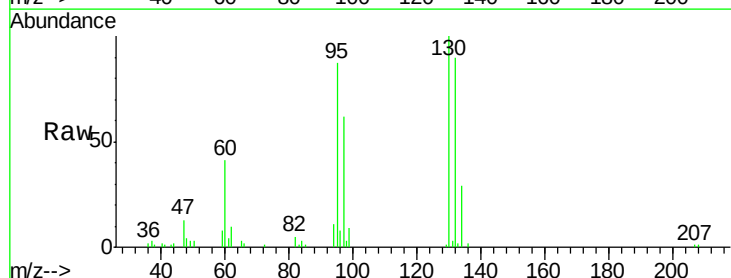
Manual Integrations
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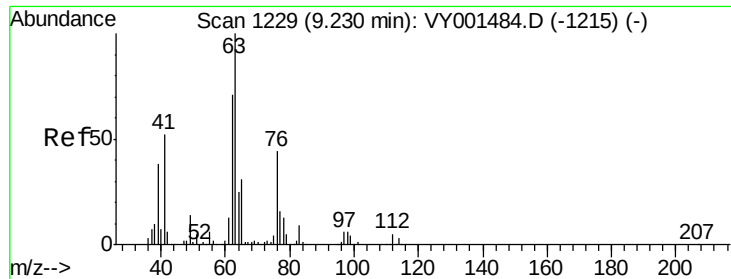
MMDadoda
2/5/2020 12:23:30 PM



#44
Trichloroethene
Concen: 4.948 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	199.2





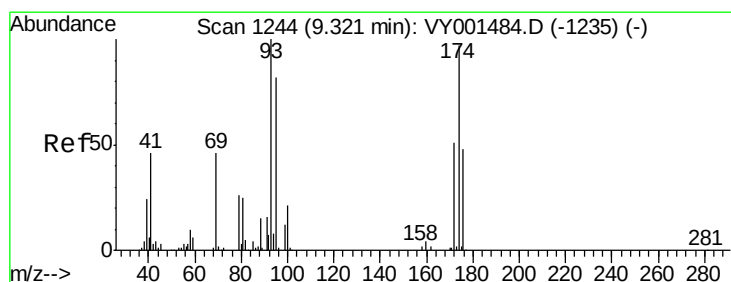
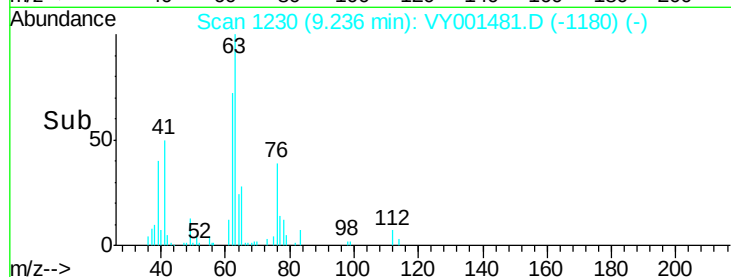
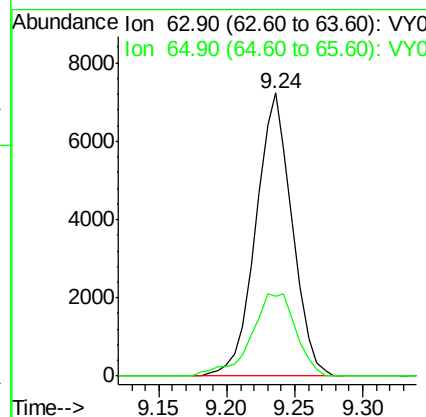
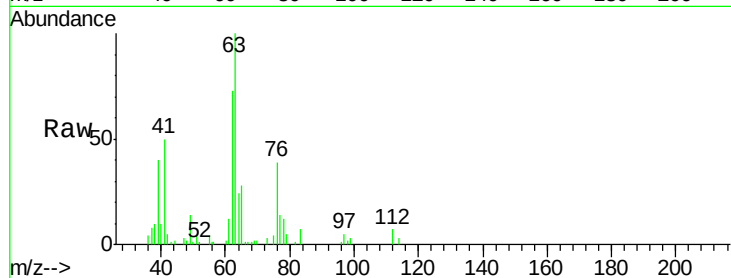
#45
 1,2-Dichloropropane
 Concen: 4.468 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.4	25.0	37.4

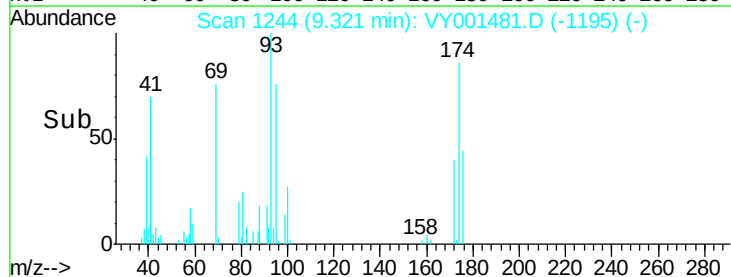
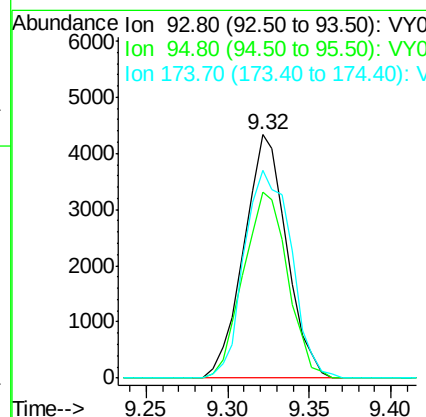
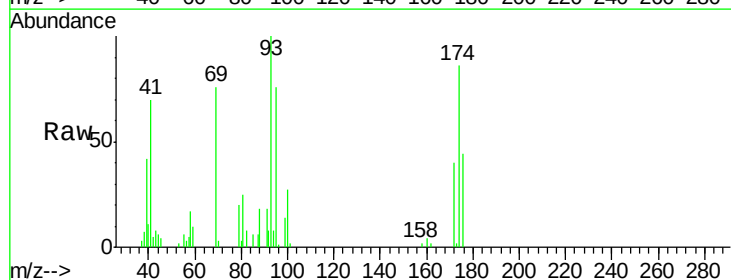
Manual Integrations
 APPROVED

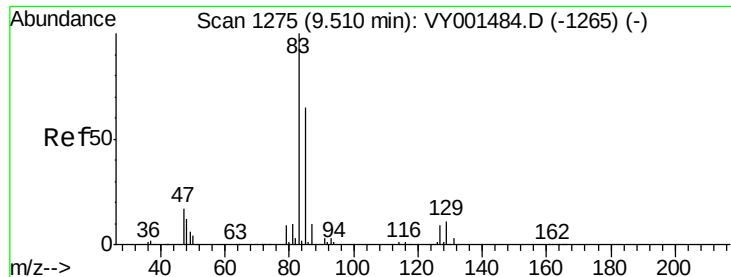
MMDadoda
 2/5/2020 12:23:30 PM



#46
 Dibromomethane
 Concen: 4.840 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.1	66.6	99.8
174	93.7	75.4	113.2





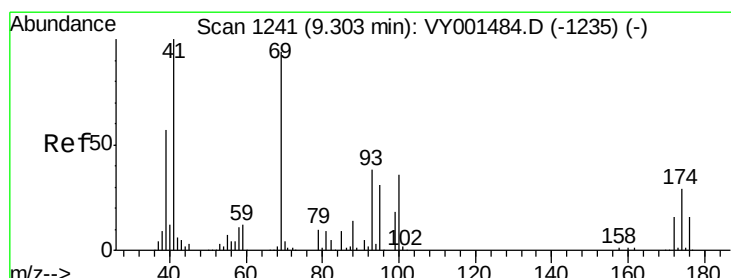
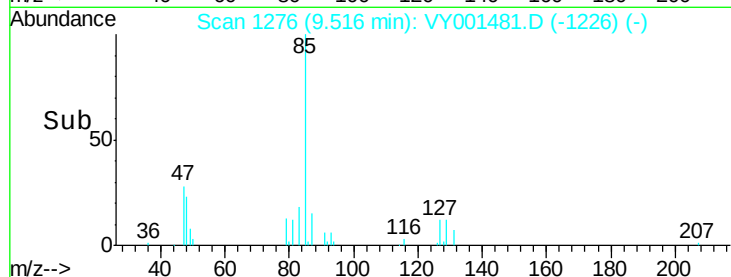
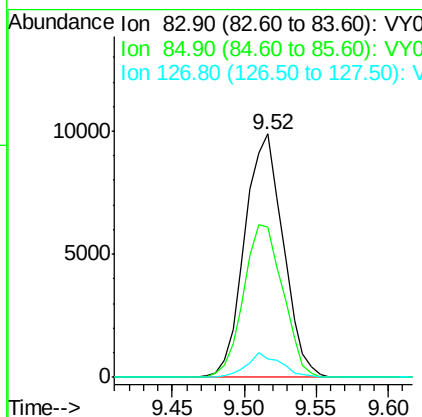
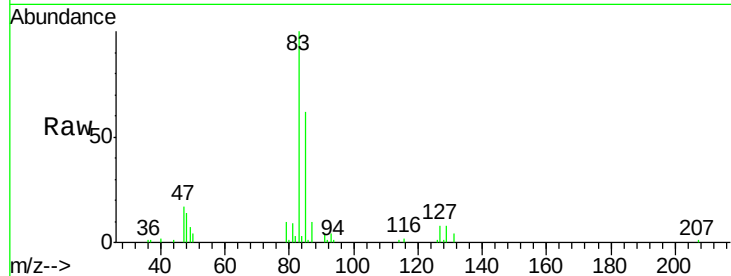
#47
Bromodichloromethane
Concen: 4.650 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	18303		
85	61.8		51.9	77.9
127	7.6		6.9	10.3

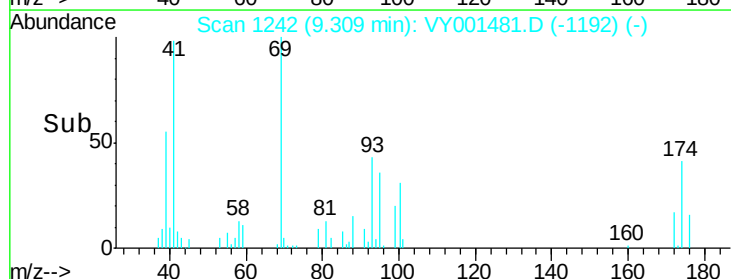
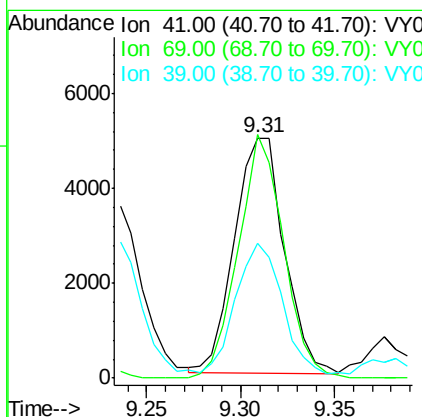
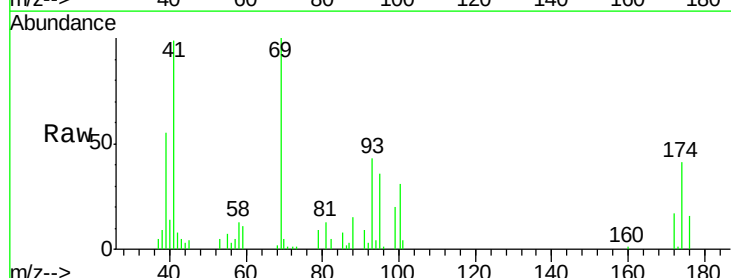
Manual Integrations
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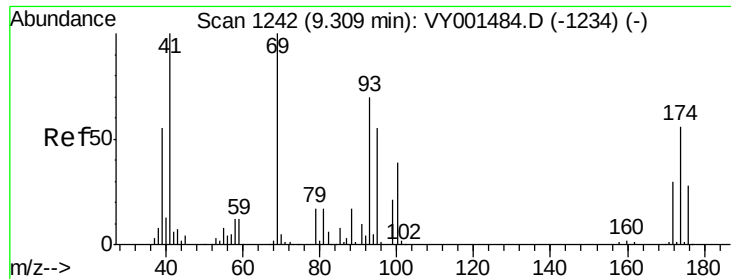
MMDadoda
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#48
Methyl methacrylate
Concen: 4.294 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	9070		
69	94.5		76.6	114.8
39	55.4		45.4	68.0





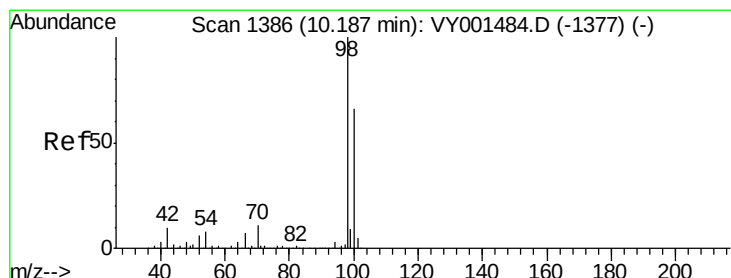
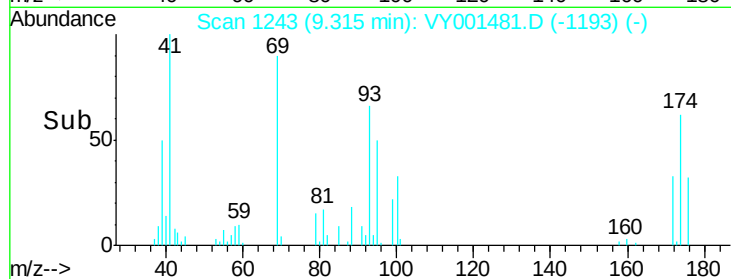
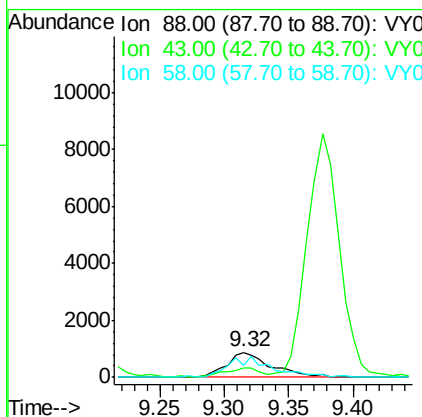
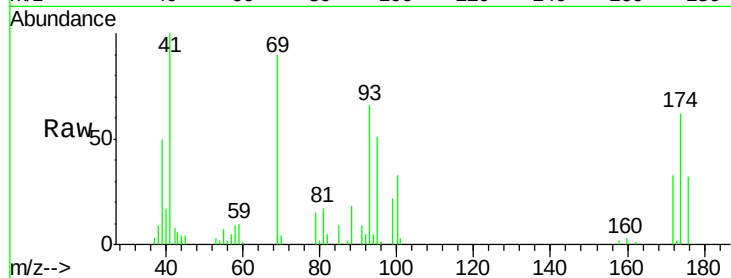
#49
1,4-Dioxane
Concen: 93.268 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2118
Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.8	37.2
58	32.7	59.3	88.9#

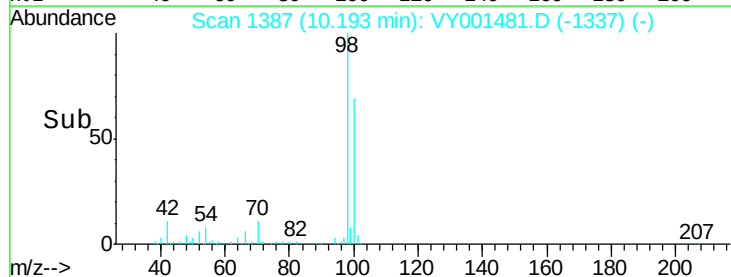
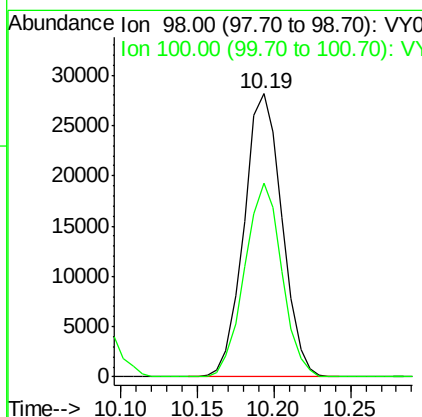
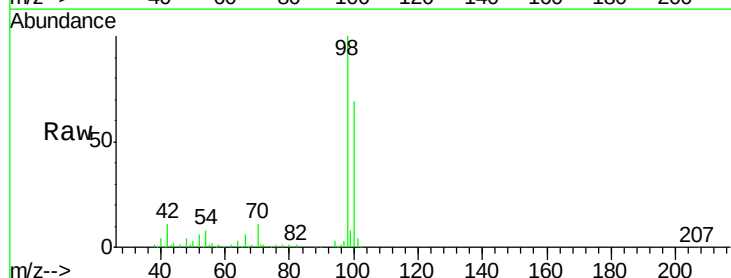
Manual Integrations
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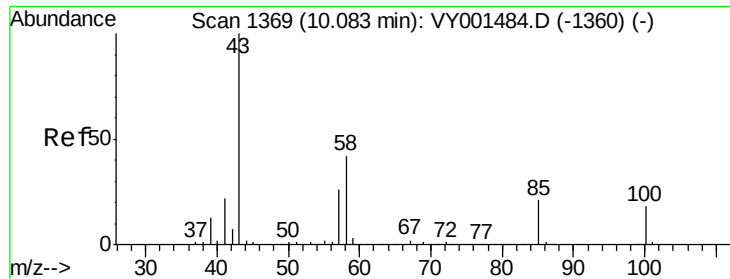
MMDadoda
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#50
Toluene-d8
Concen: 4.997 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	98	Resp	48594
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 21.598 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 51270

Ion Ratio Lower Upper

43 100

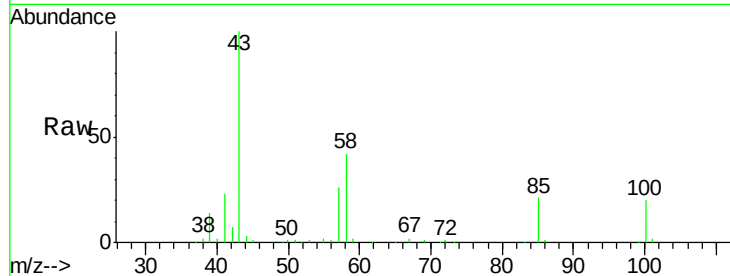
58 42.1 33.9 50.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY001481.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY001481.D (-1360) (-)

10.08

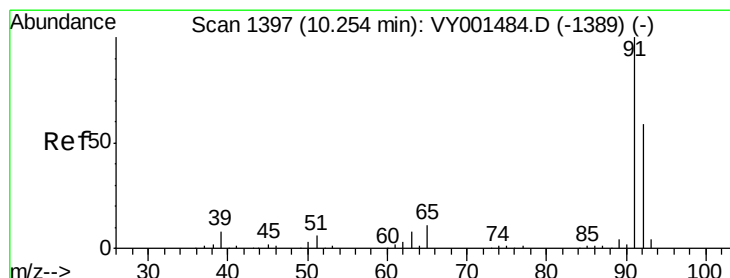
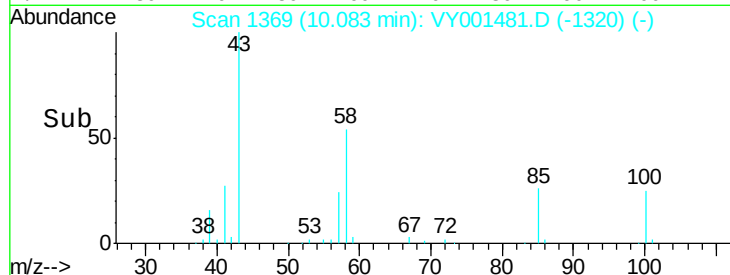
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 4.751 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001481.D

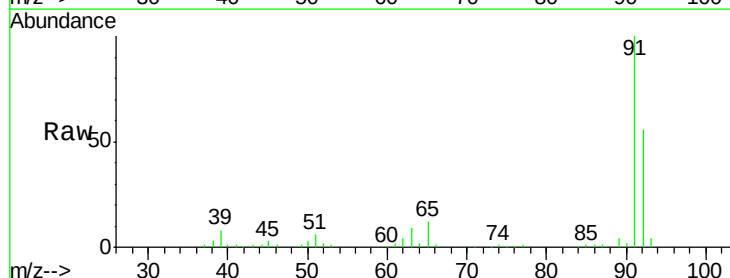
Acq: 04 Feb 2020 12:55

Tgt Ion: 92 Resp: 36385

Ion Ratio Lower Upper

92 100

91 173.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001481.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001481.D (-1389) (-)

10.26

40000

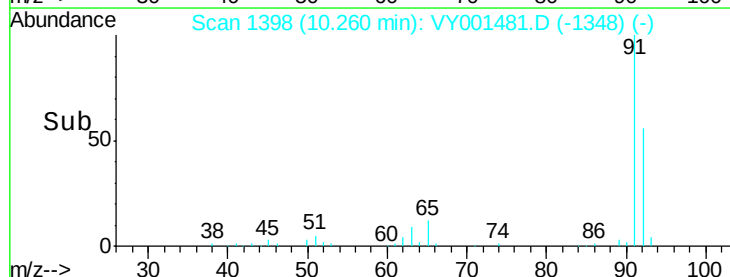
30000

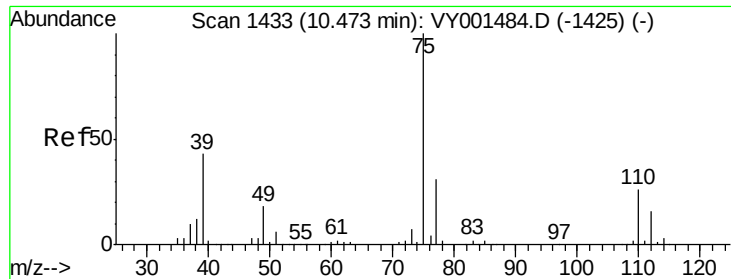
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.740 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 20503

Ion Ratio Lower Upper

75 100

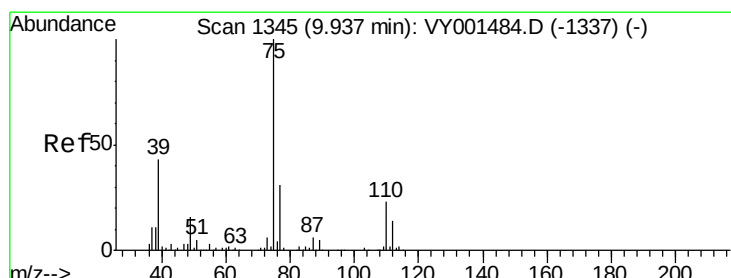
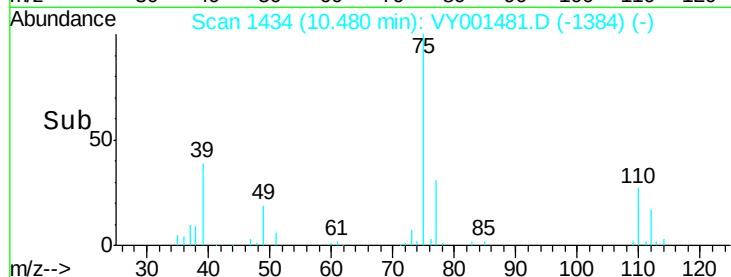
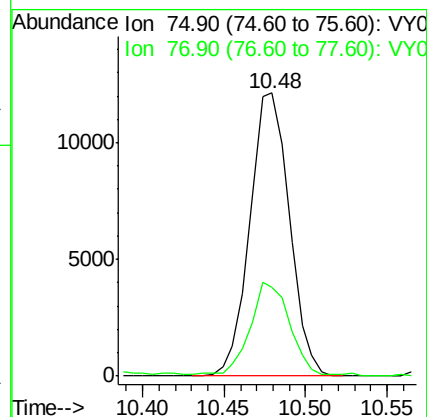
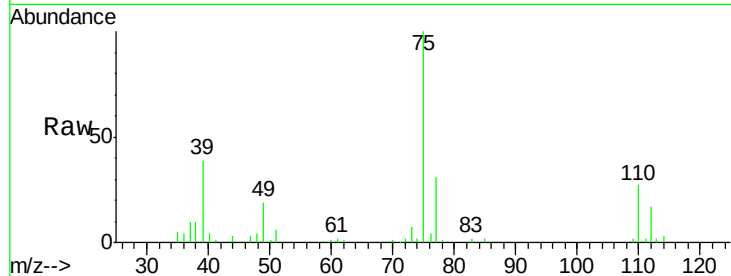
77 30.8 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.659 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

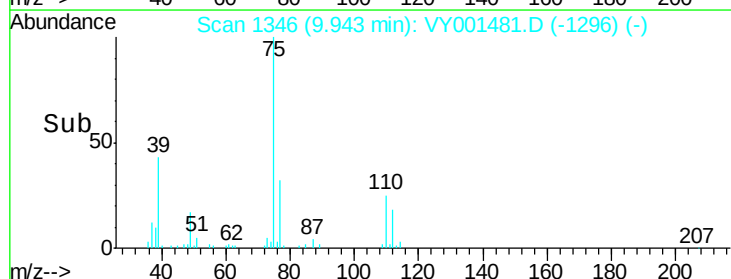
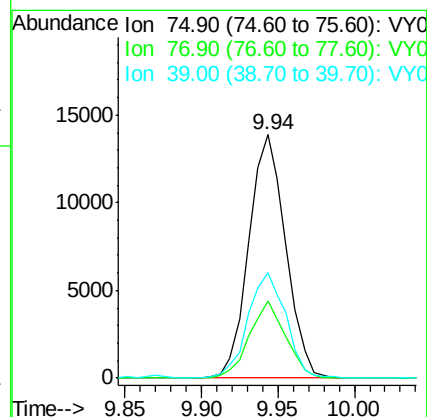
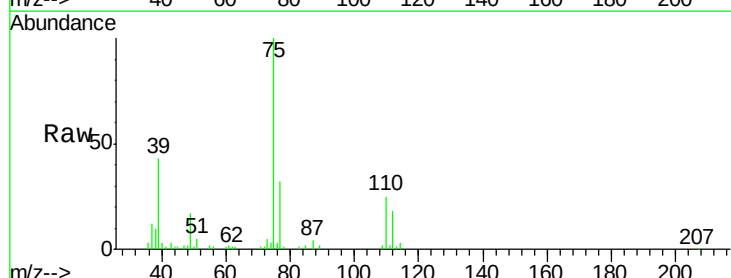
Tgt Ion: 75 Resp: 23228

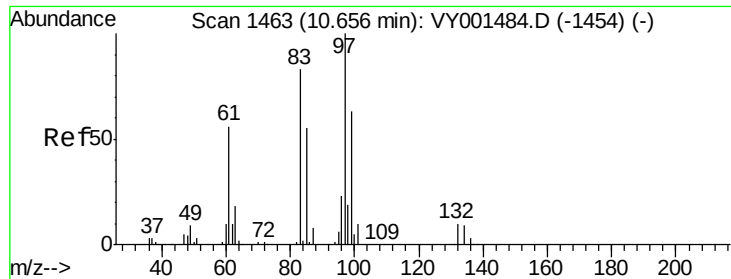
Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 43.3 34.0 51.0





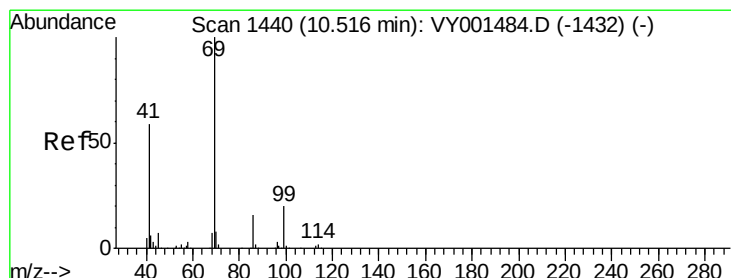
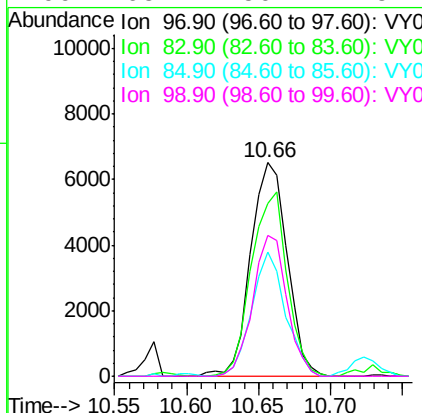
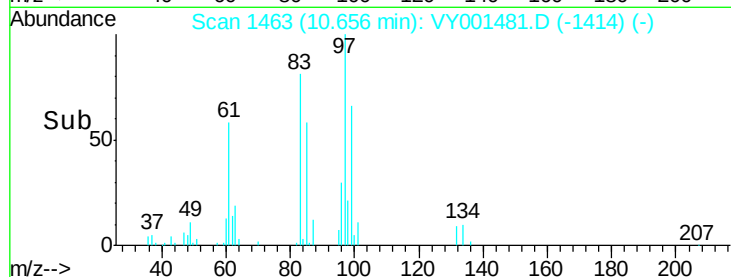
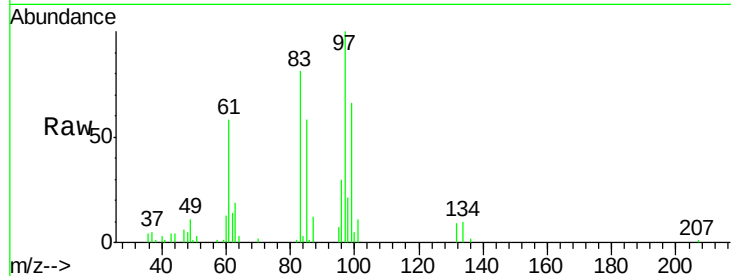
#55
 1,1,2-Trichloroethane
 Concen: 4.756 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	11401
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.2	99.2
85	56.9	43.8	65.6
99	65.7	50.1	75.1

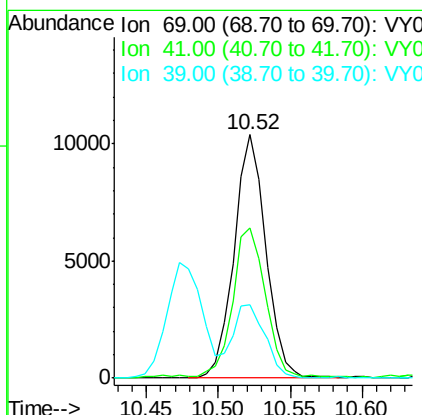
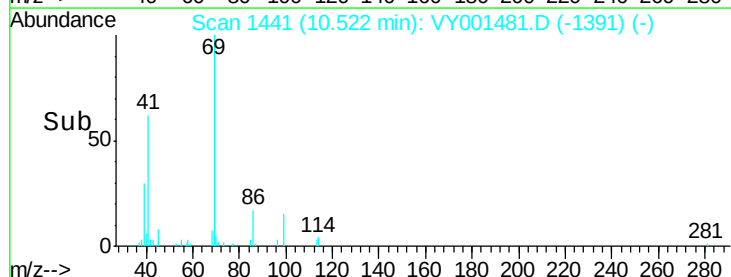
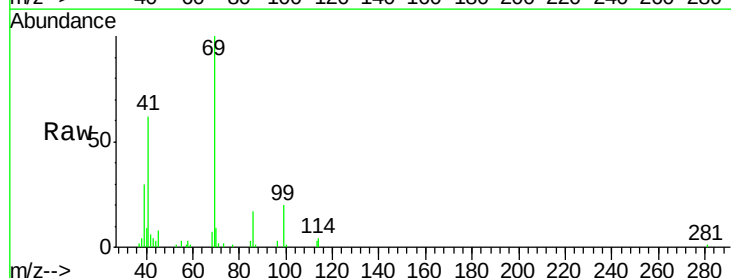
Manual Integrations
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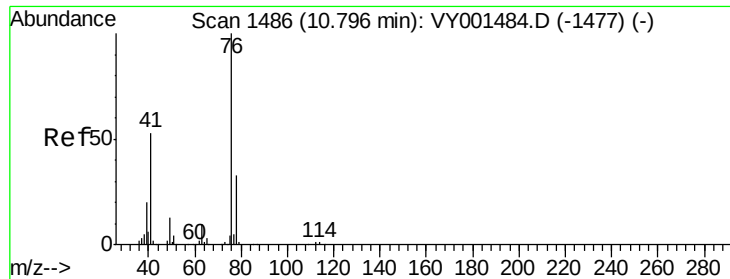
MMDadoda
 2/5/2020 12:23:30 PM



#56
 Ethyl methacrylate
 Concen: 4.443 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion:	69	Resp:	15967
Ion	Ratio	Lower	Upper
69	100		
41	62.4	47.8	71.8
39	31.9	24.4	36.6





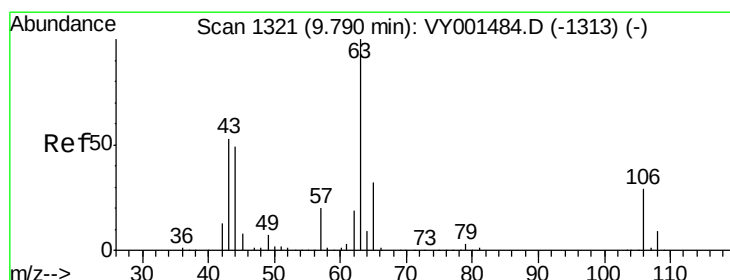
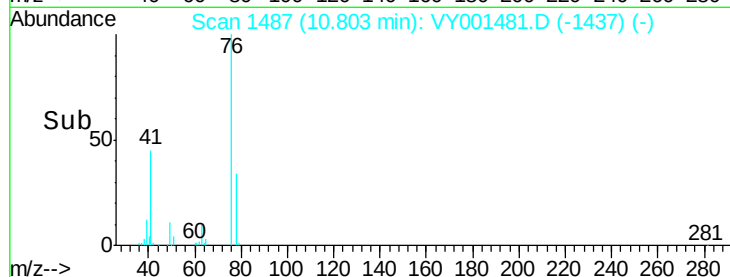
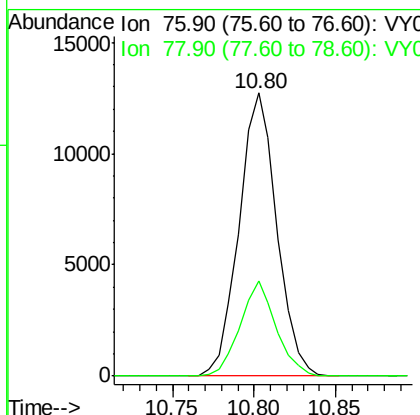
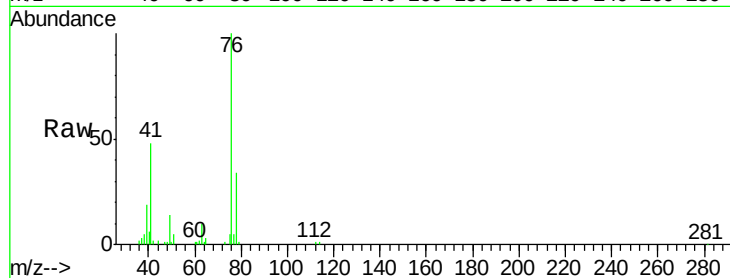
#57
 1,3-Dichloropropane
 Concen: 4.888 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

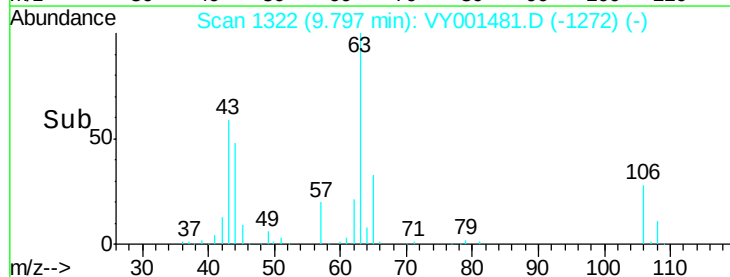
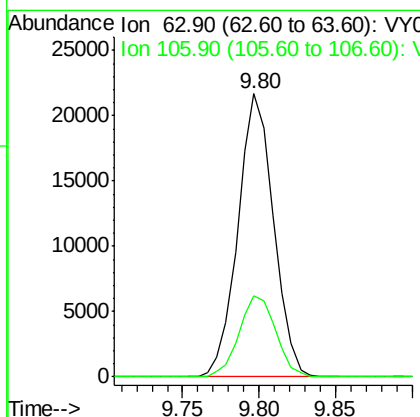
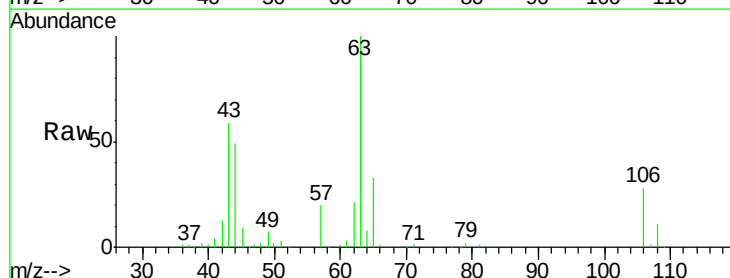
Manual Integrations
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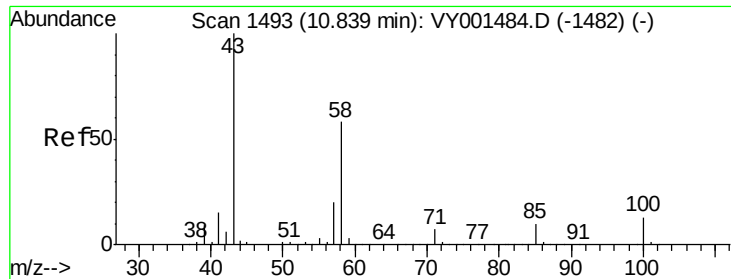
MMDadoda
 2/5/2020 12:23:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.266 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	24.0	36.0





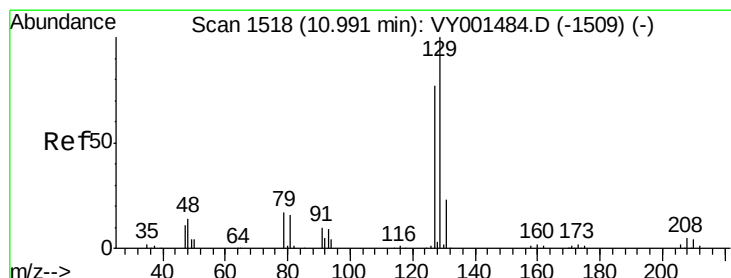
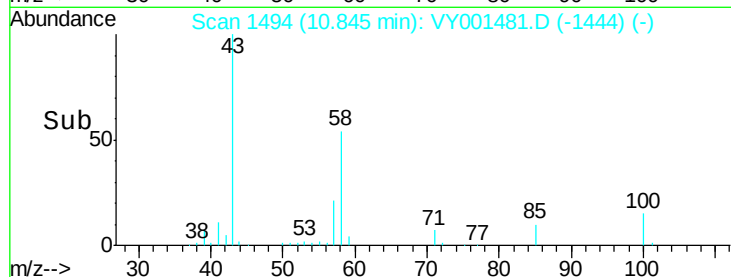
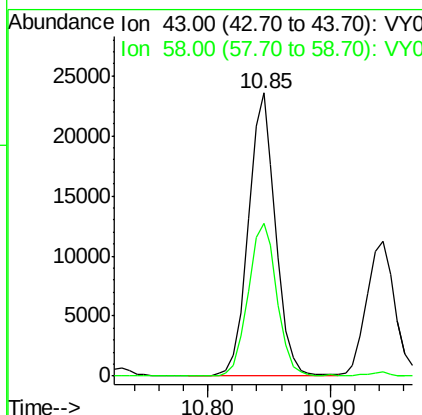
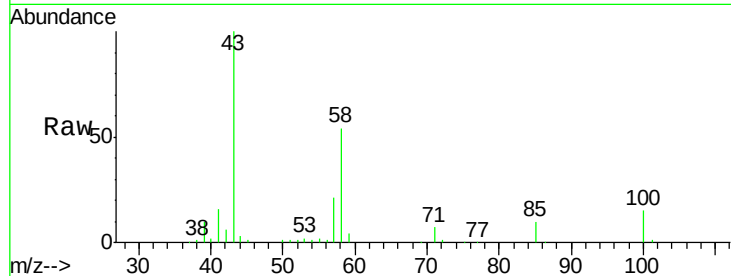
#59
2-Hexanone
Concen: 21.890 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 36337
Ion Ratio Lower Upper
43 100
58 56.8 29.0 87.0

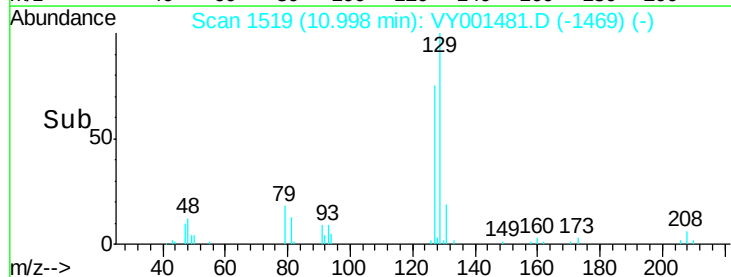
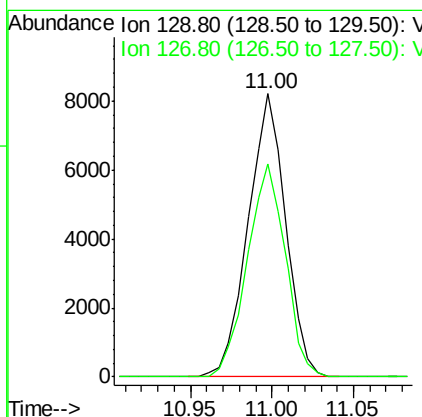
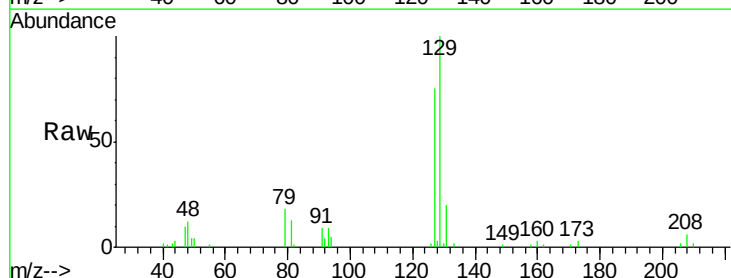
Manual Integrations
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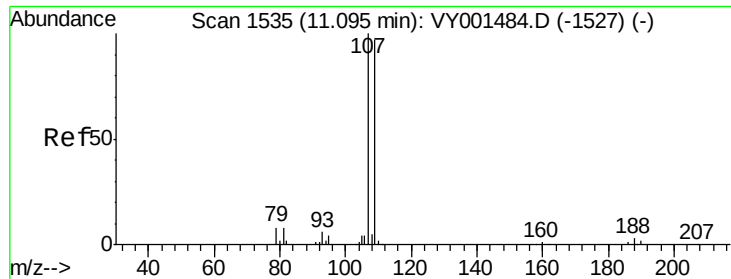
MMDadoda
2/5/2020 12:23:30 PM



#60
Dibromochloromethane
Concen: 4.844 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion: 129 Resp: 13146
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6





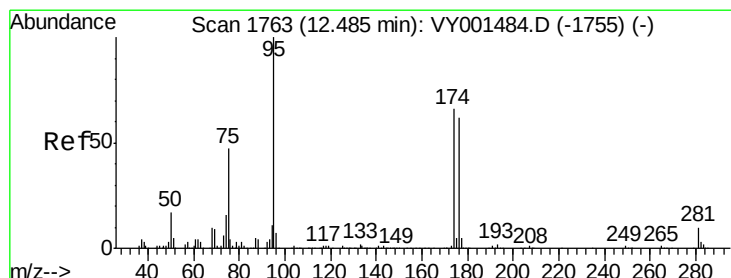
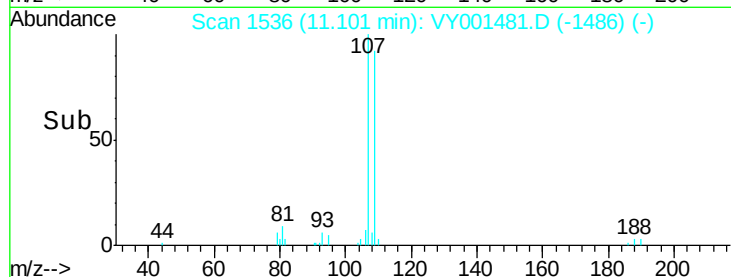
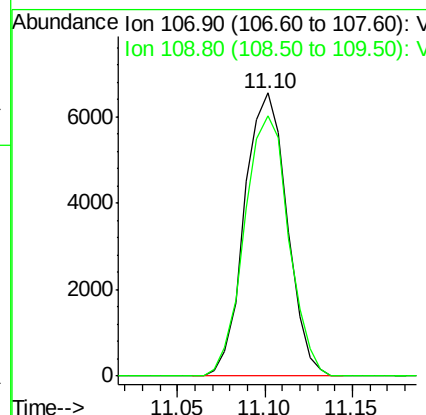
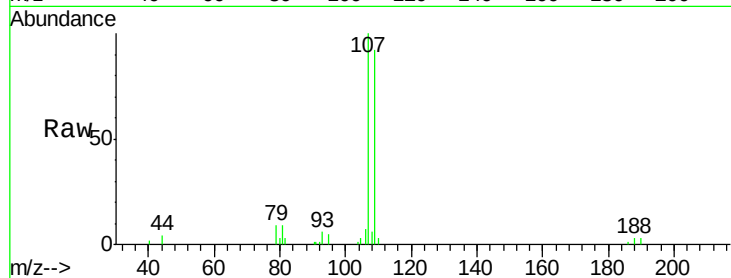
#61
 1,2-Dibromoethane
 Concen: 4.871 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.2	114.2

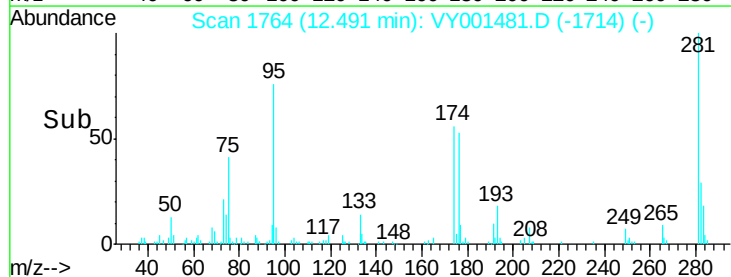
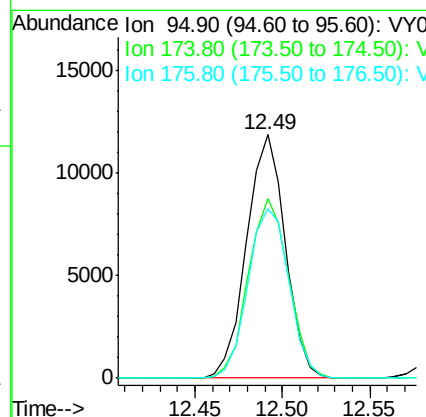
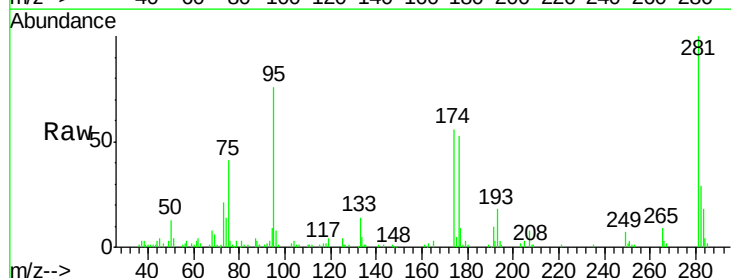
Manual Integrations
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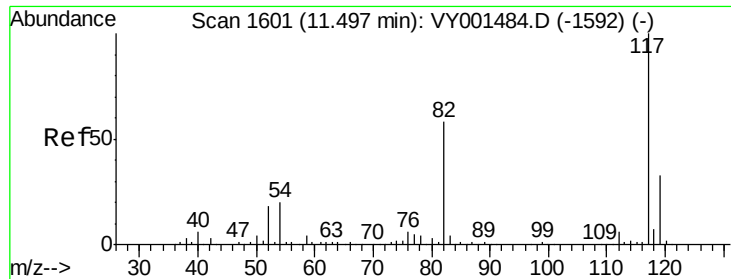
MMDadoda
 2/5/2020 12:23:30 PM



#62
 4-Bromofluorobenzene
 Concen: 4.730 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	141.4
176	73.8	0.0	135.4





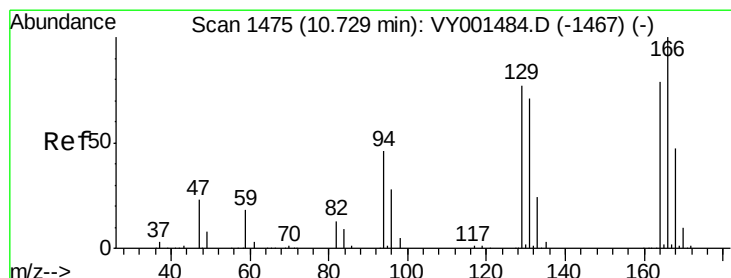
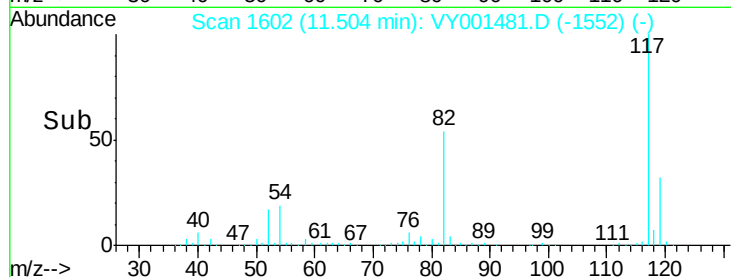
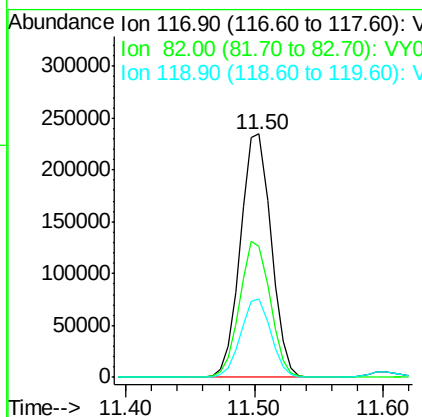
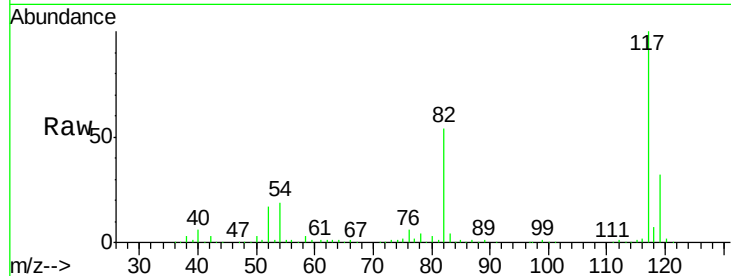
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	46.1	69.1
119	32.4	26.1	39.1

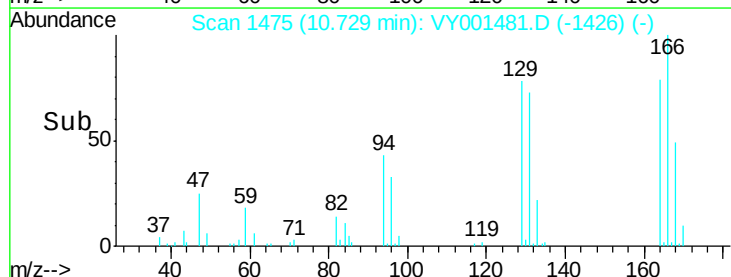
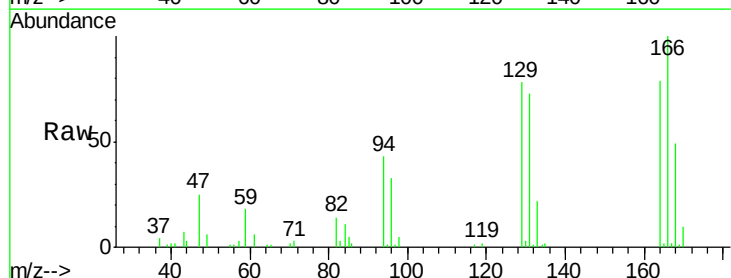
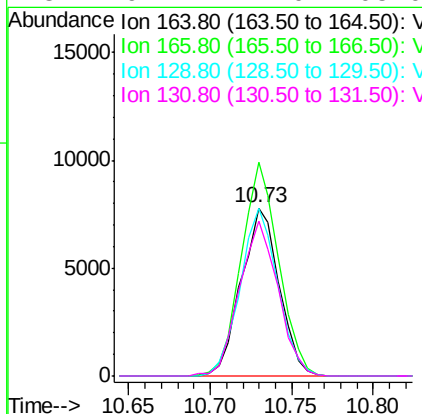
Manual Integrations
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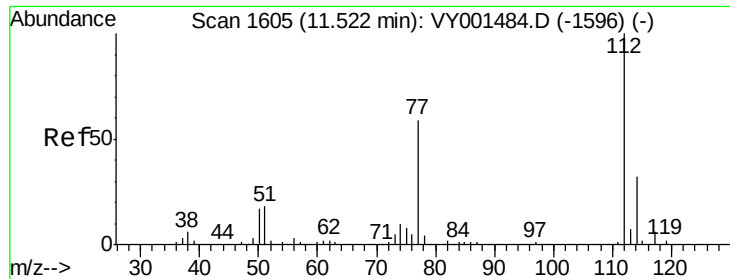
MMDadoda
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#64
Tetrachloroethene
Concen: 5.036 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.8	151.2
129	99.5	77.8	116.6
131	92.2	72.0	108.0





#65

Chlorobenzene

Concen: 4.673 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 37990

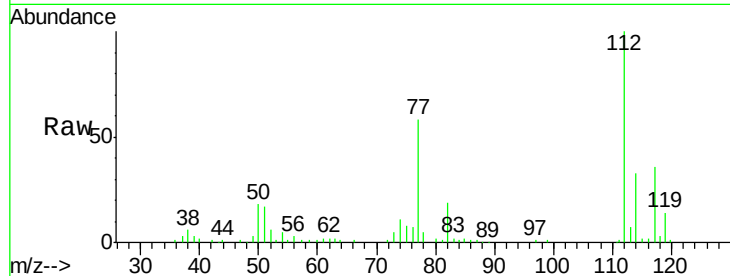
Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.2

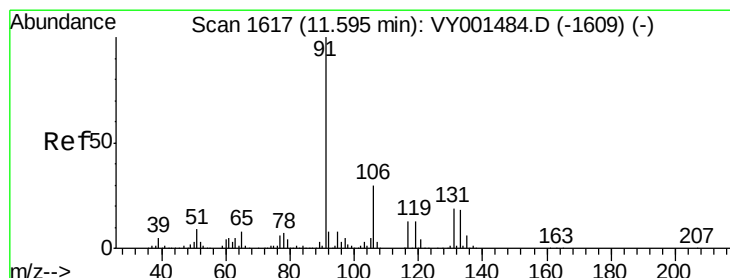
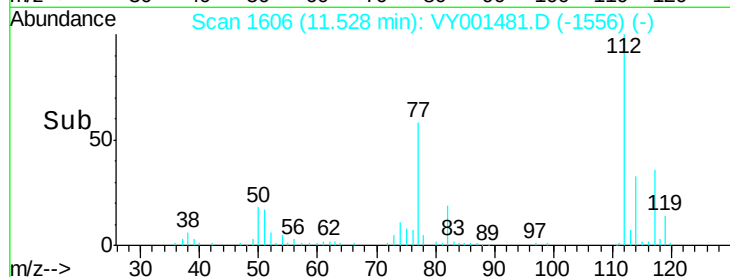
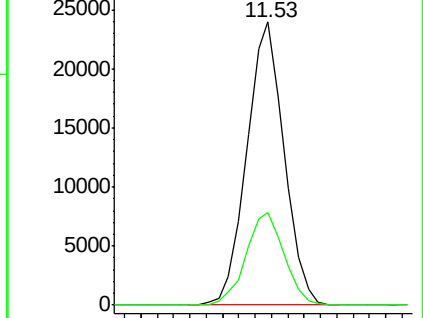
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.783 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

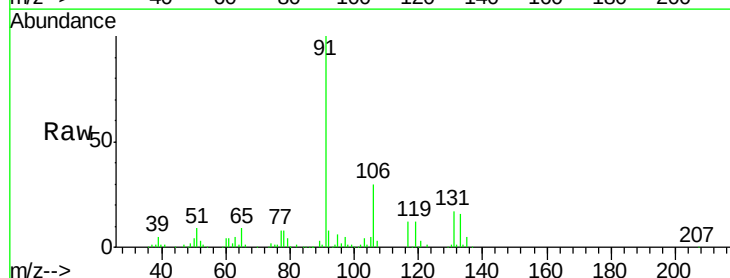
Tgt Ion:131 Resp: 13271

Ion Ratio Lower Upper

131 100

133 98.9 47.9 143.8

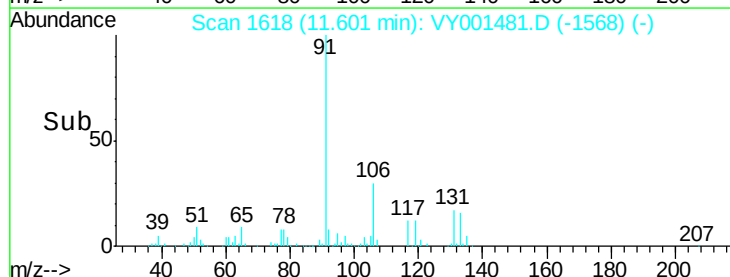
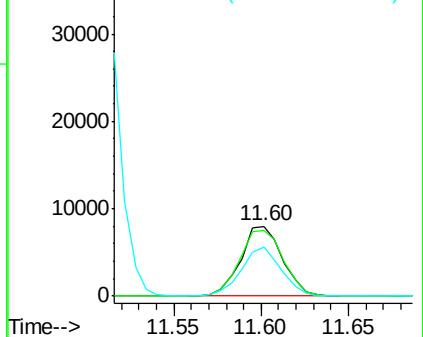
119 67.0 33.7 101.0

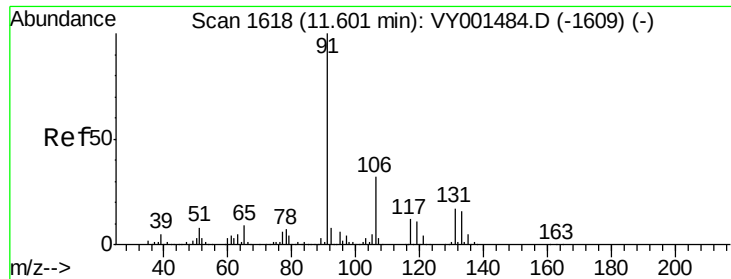


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





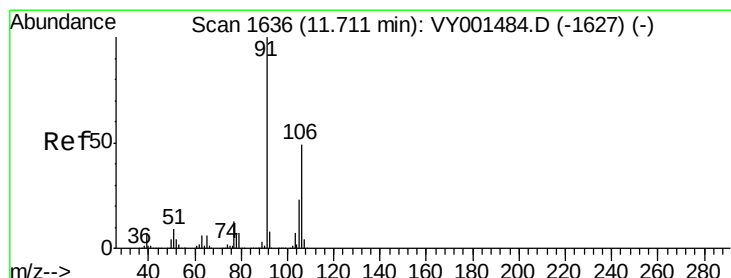
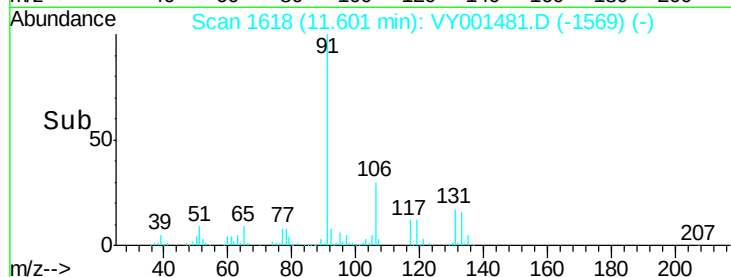
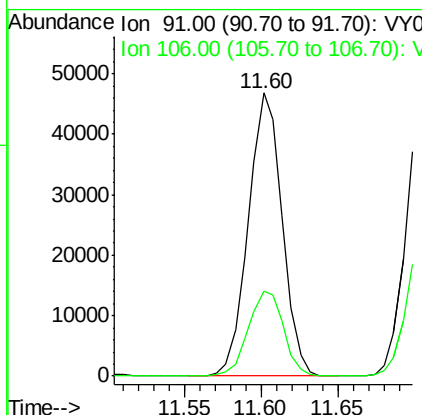
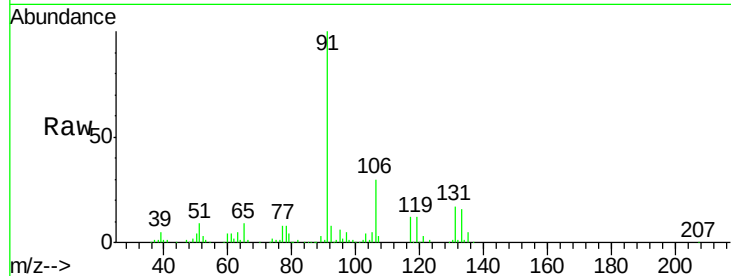
#67
Ethyl Benzene
Concen: 4.804 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 71905
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9

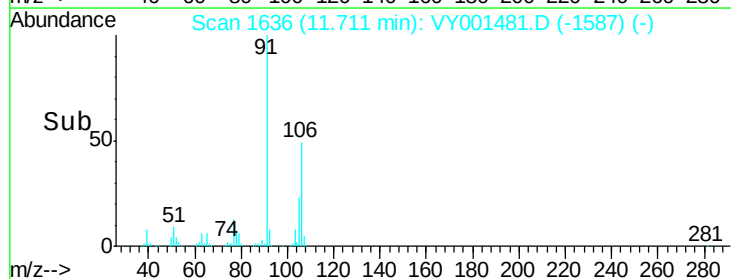
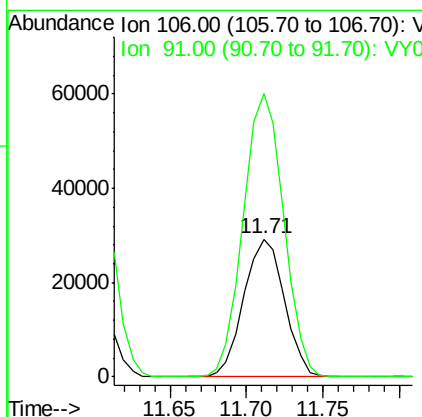
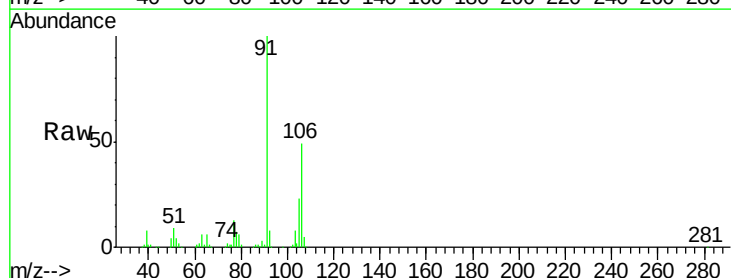
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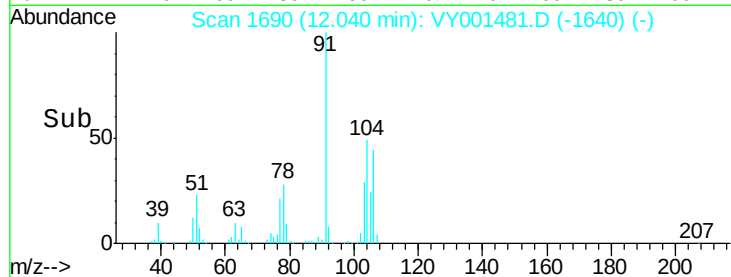
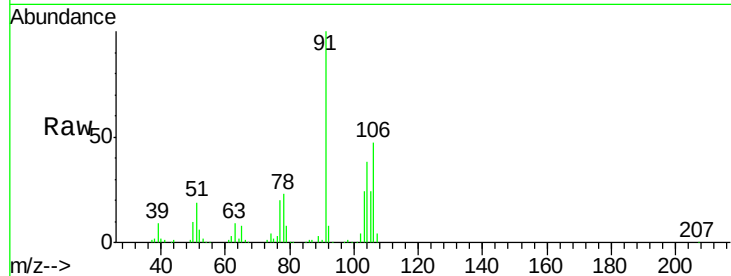
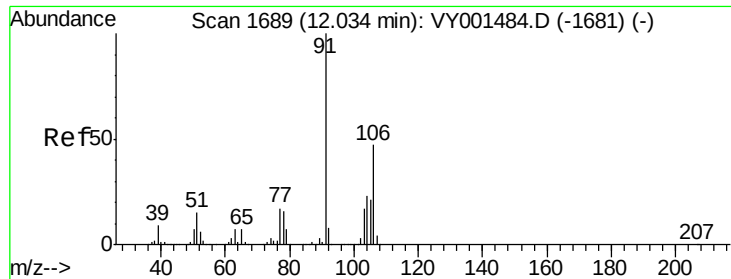
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#68
m/p-Xylenes
Concen: 9.674 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion: 106 Resp: 54041
Ion Ratio Lower Upper
106 100
91 204.7 163.6 245.4





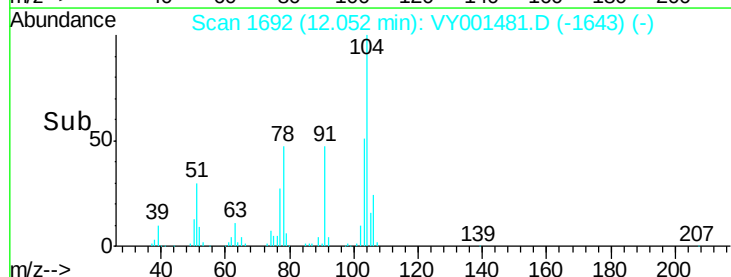
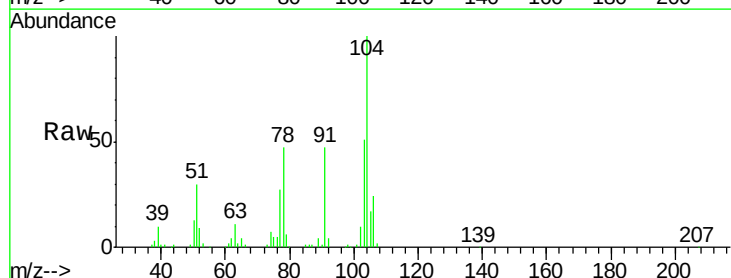
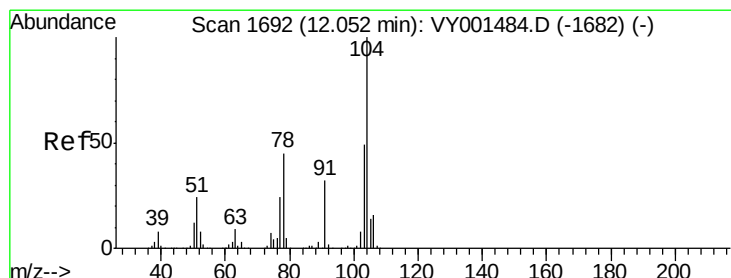
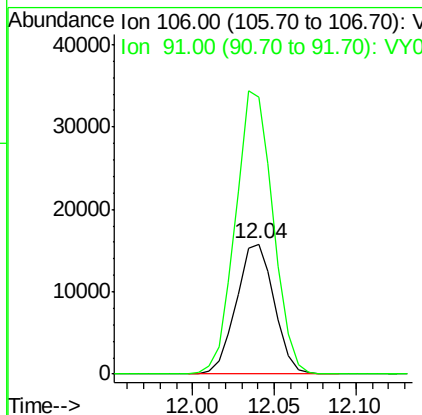
#69
o-Xylene
Concen: 4.746 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tot Ion:106 Resp: 25473
Ion Ratio Lower Upper
106 100
91 216.1 106.0 318.0

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

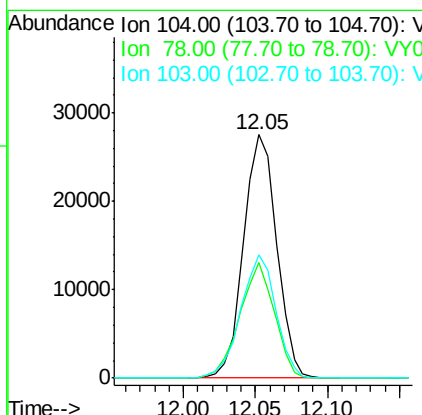
Manual Integrations
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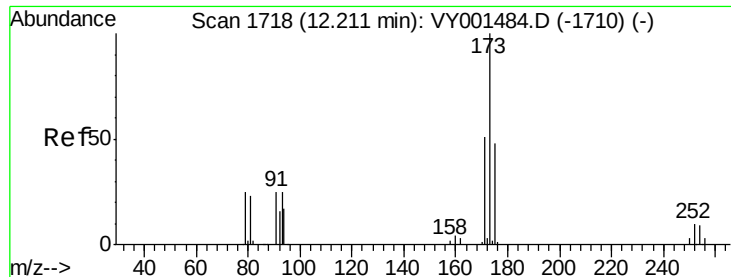
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#70
Styrene
Concen: 4.675 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion:104 Resp: 43875
Ion Ratio Lower Upper
104 100
78 49.7 40.4 60.6
103 53.8 42.8 64.2





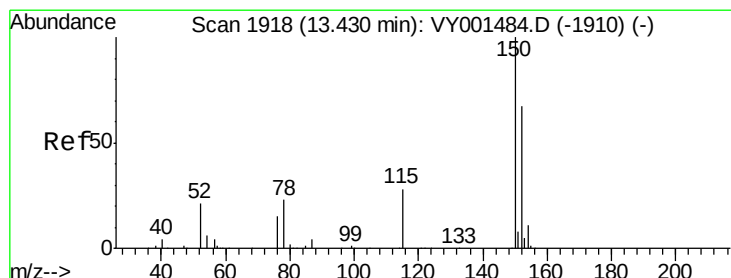
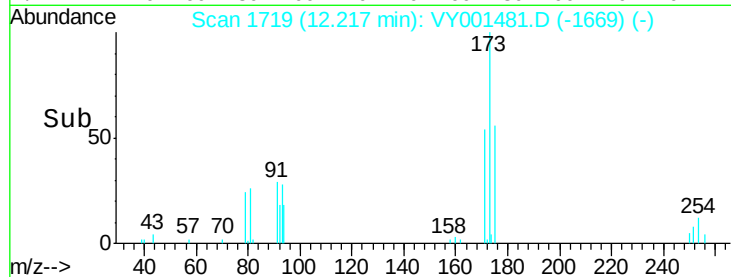
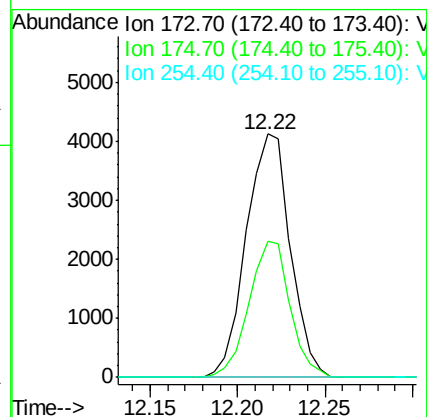
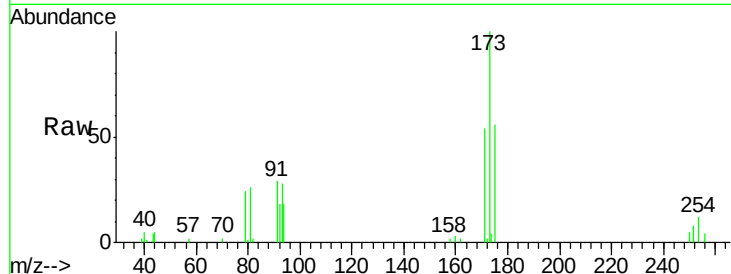
#71
Bromoform
Concen: 4.400 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	24.0	72.0
254	0.0	0.1	0.1

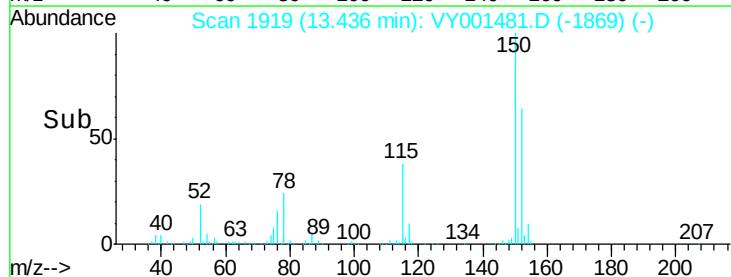
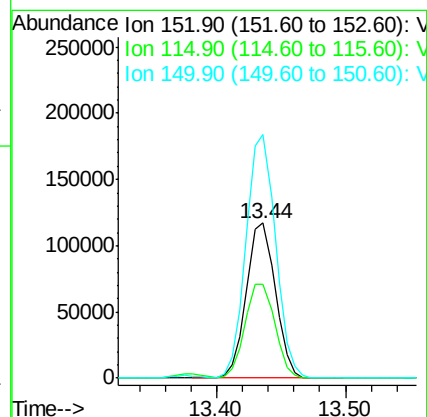
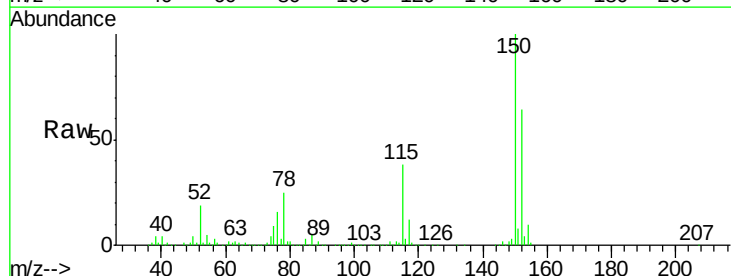
Manual Integrations
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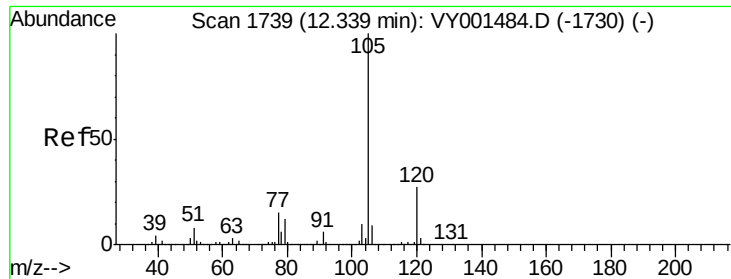
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.4	94.3
150	159.4	0.0	346.8





#73

Isopropylbenzene

Concen: 4.820 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 69529

Ion Ratio Lower Upper

105 100

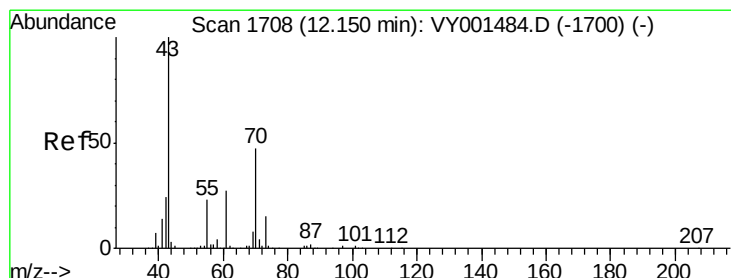
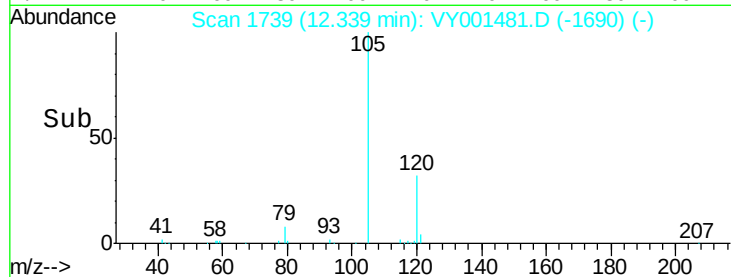
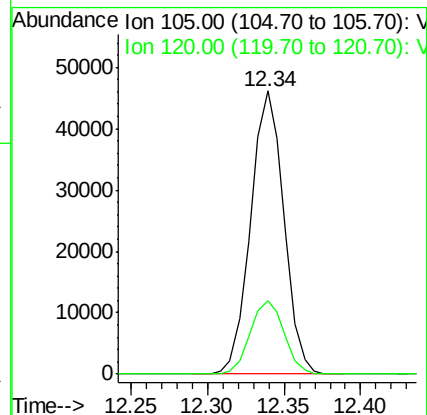
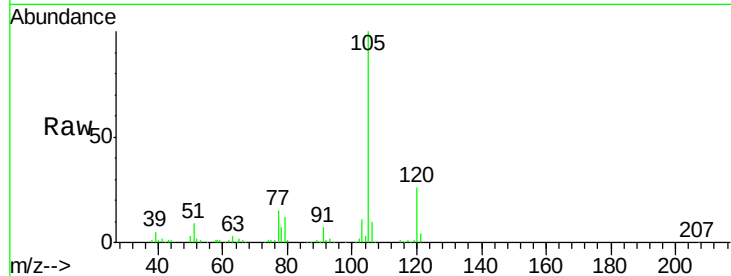
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.063 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion: 43 Resp: 18409

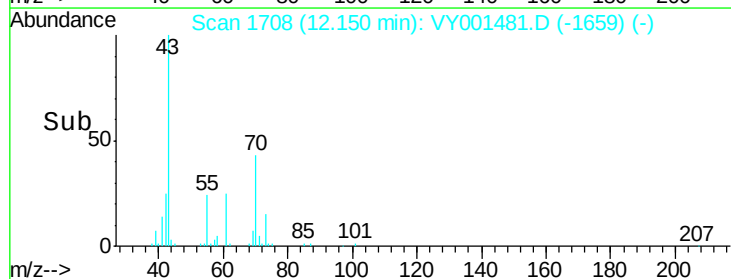
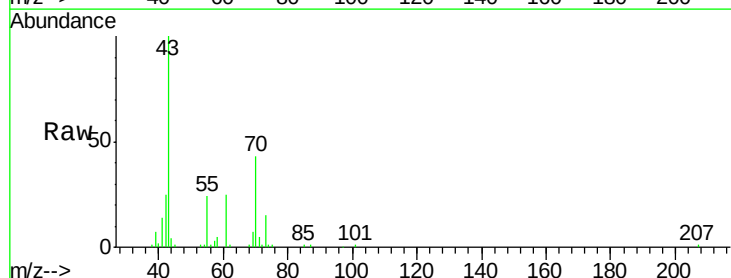
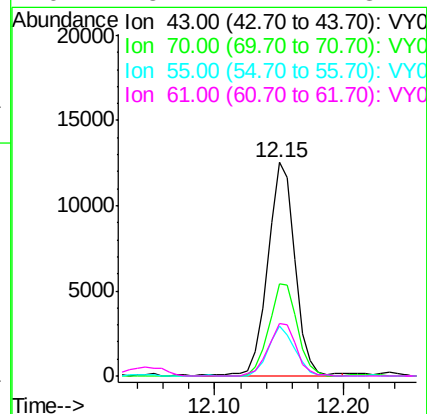
Ion Ratio Lower Upper

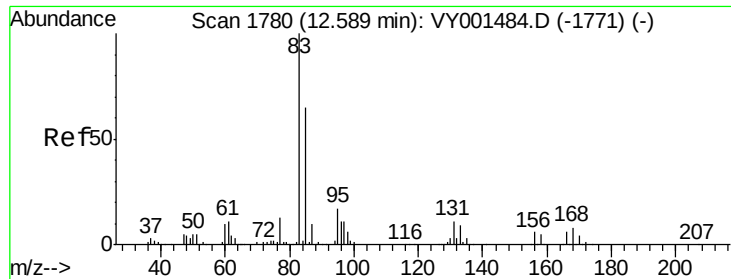
43 100

70 44.9 37.2 55.8

55 22.9 18.8 28.2

61 25.1 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.460 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

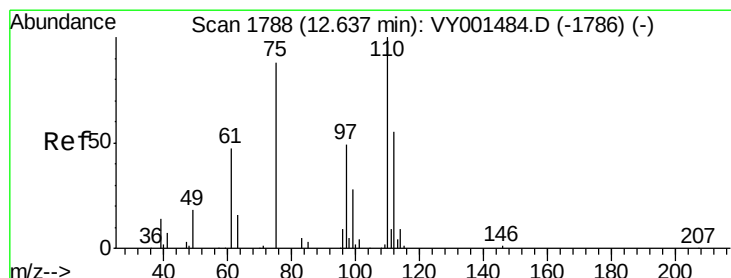
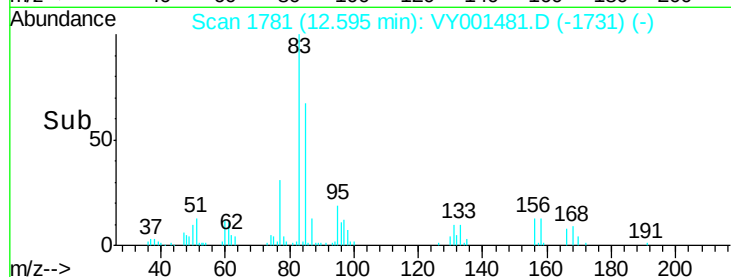
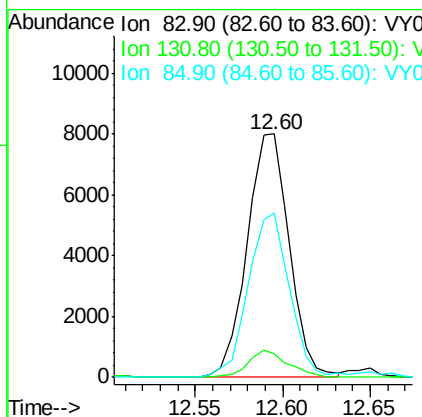
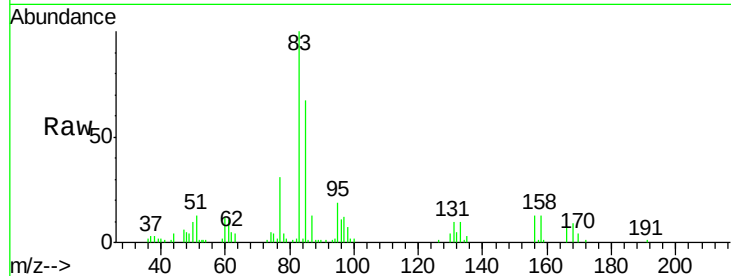
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13417
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	66.4	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 4.331 ug/l m

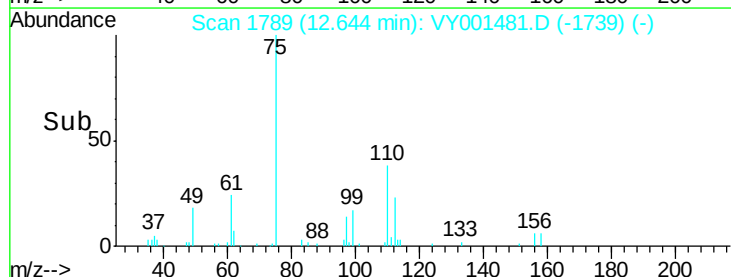
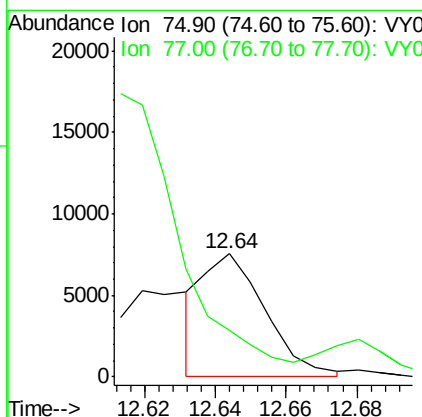
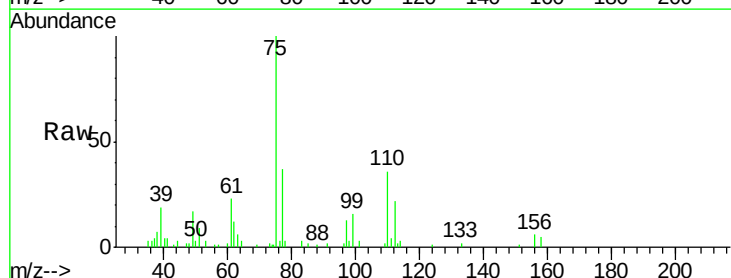
RT: 12.64 min Scan# 1789

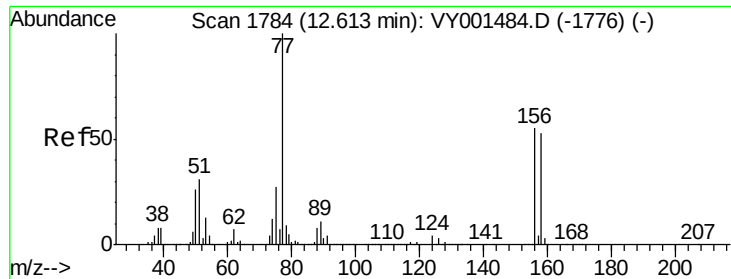
Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion:	75	Resp:	9354
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.786 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15236

Ion Ratio Lower Upper

156 100

77 203.4 99.8 299.3

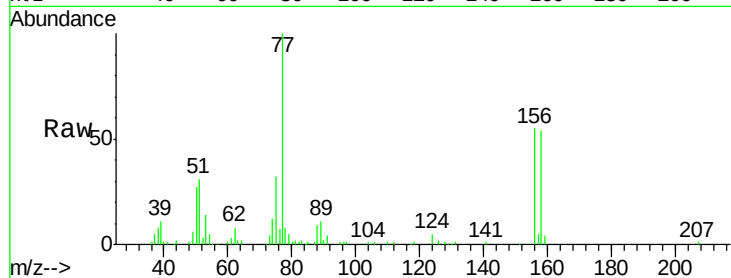
158 97.2 47.5 142.6

Manual Integrations

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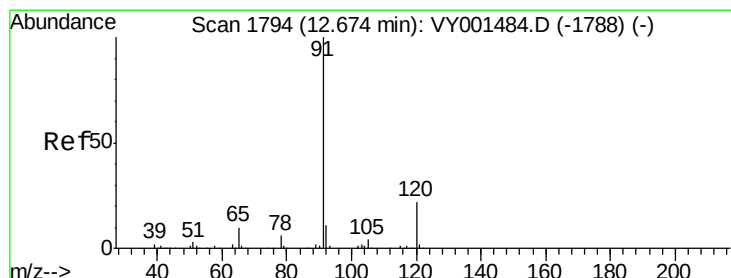
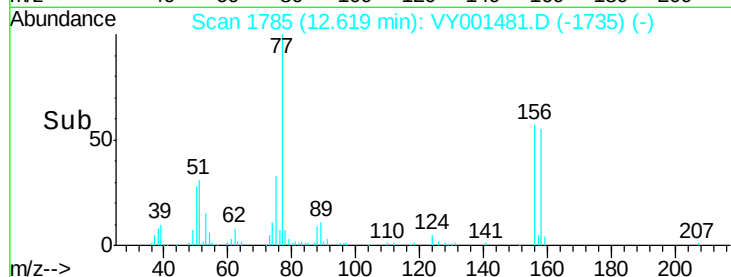
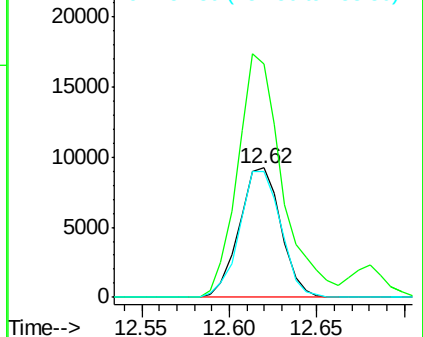
2/5/2020 12:23:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.846 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001481.D

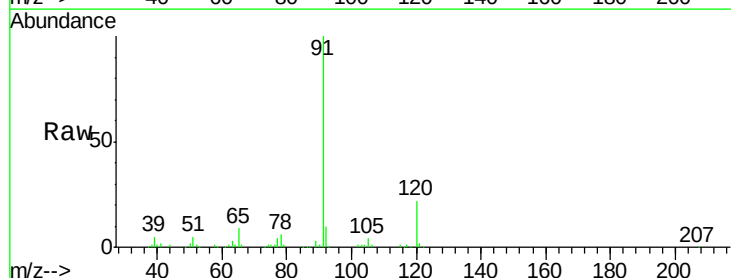
Acq: 04 Feb 2020 12:55

Tgt Ion: 91 Resp: 83871

Ion Ratio Lower Upper

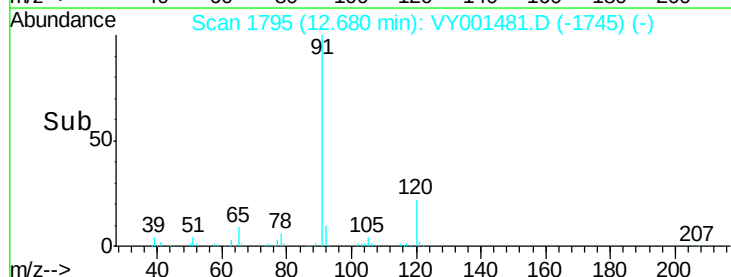
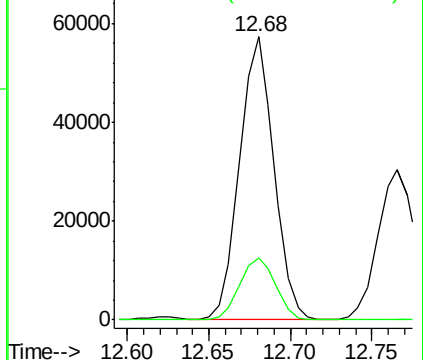
91 100

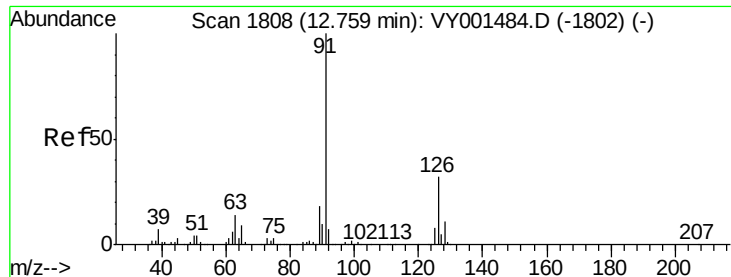
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.877 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48286

Ion Ratio Lower Upper

91 100

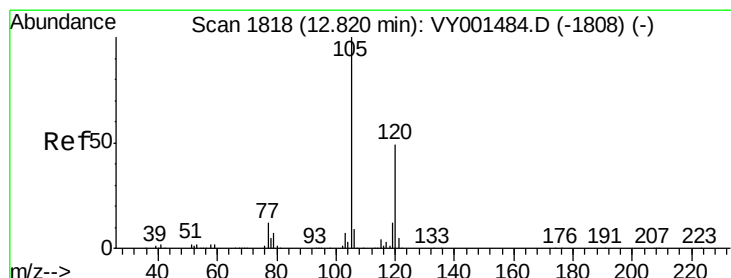
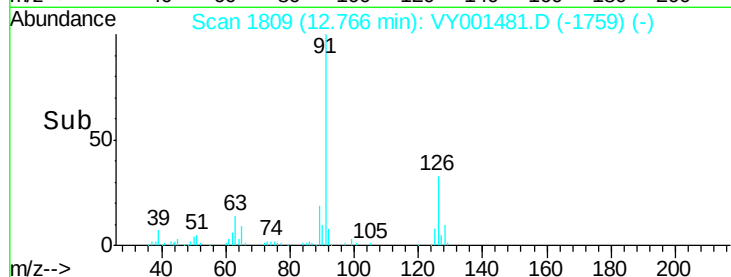
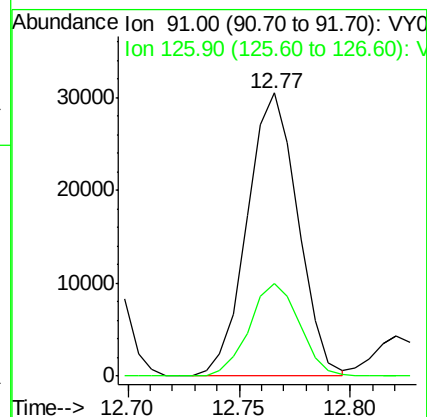
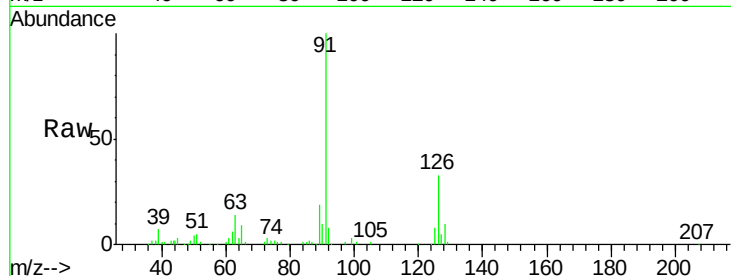
126 32.1 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.910 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001481.D

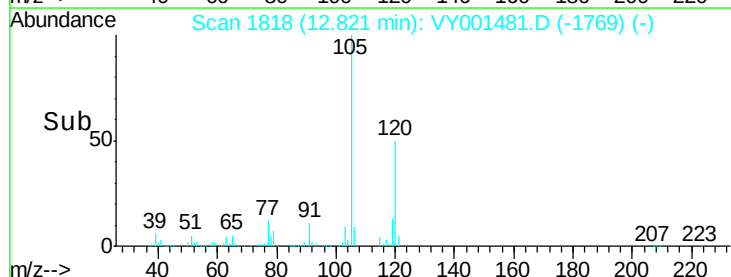
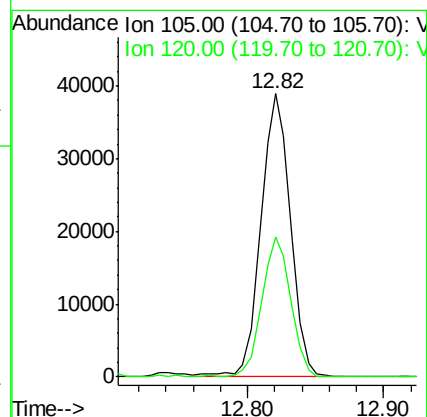
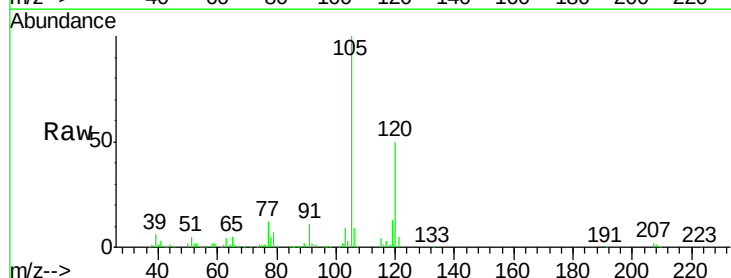
Acq: 04 Feb 2020 12:55

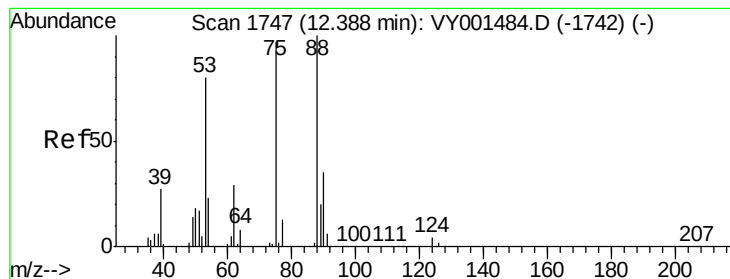
Tgt Ion: 105 Resp: 59122

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.434 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

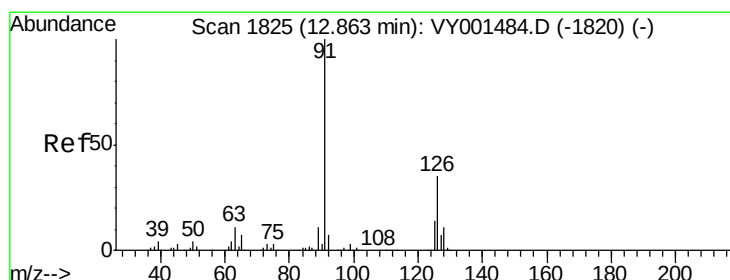
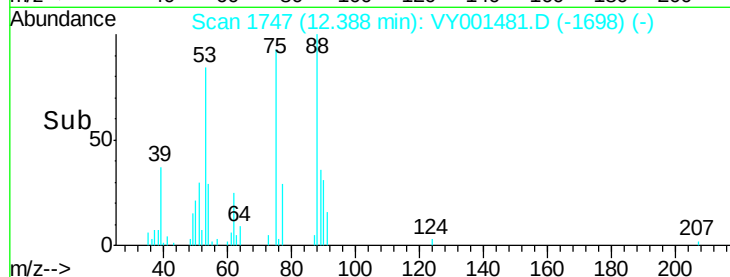
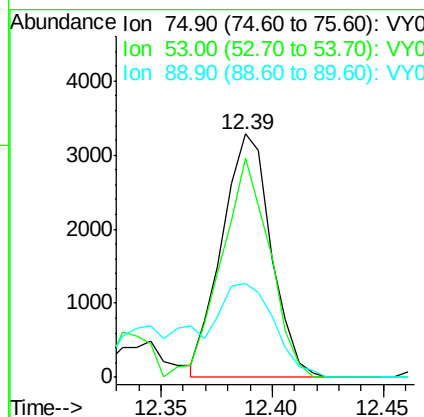
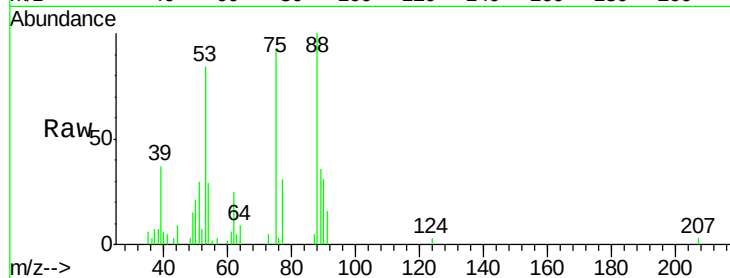
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5051
Ion	Ratio	Lower	Upper
75	100		
53	88.6	67.7	101.5
89	43.0	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.727 ug/l

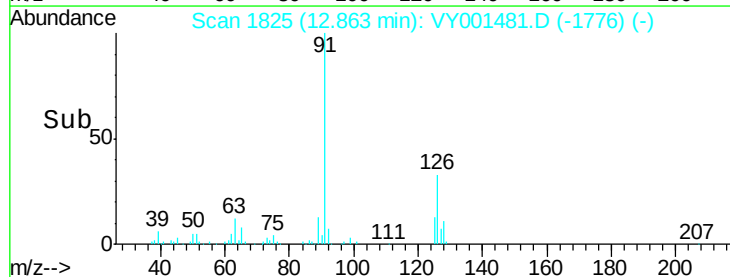
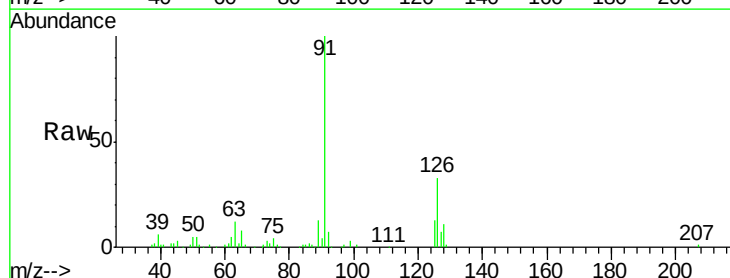
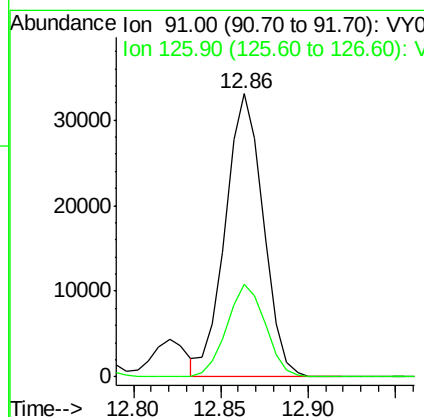
RT: 12.86 min Scan# 1825

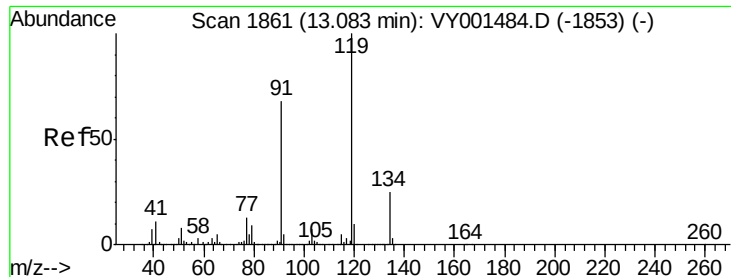
Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Tgt Ion:	91	Resp:	49798
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





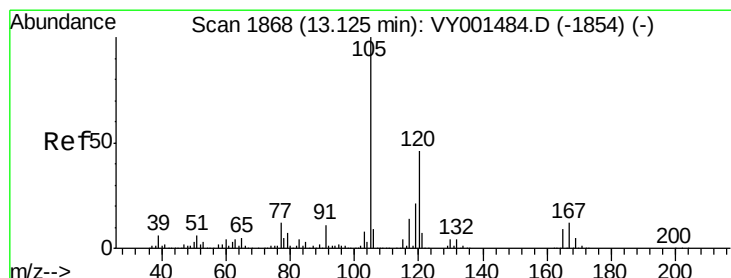
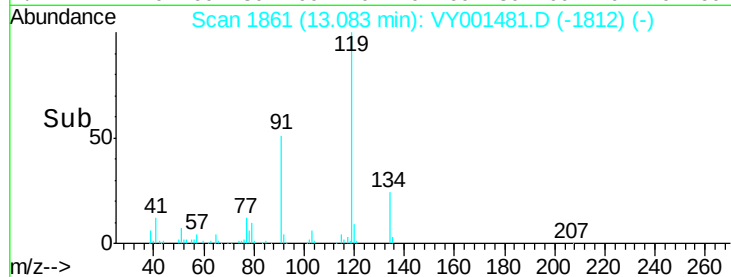
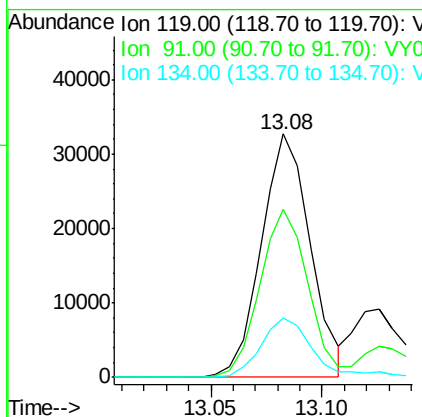
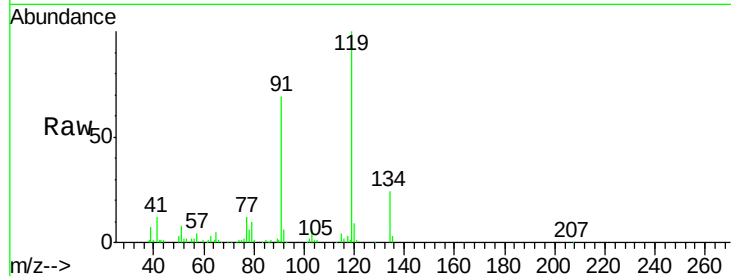
#83
tert-Butylbenzene
Concen: 4.917 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.1	99.3
134	26.0	13.0	39.0

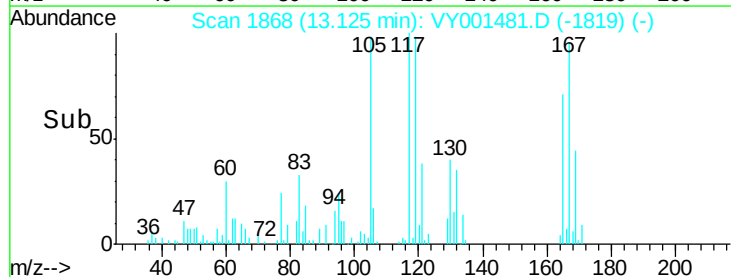
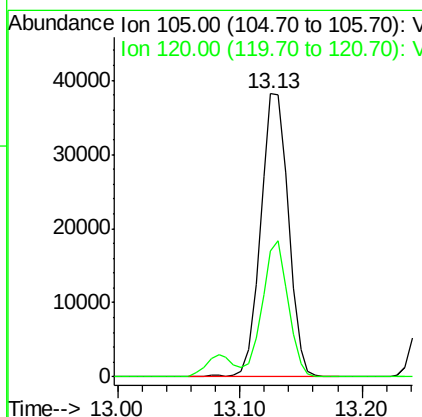
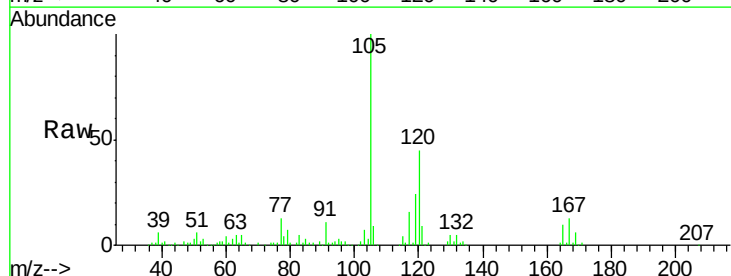
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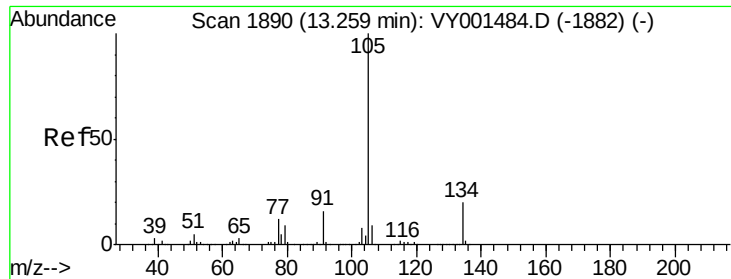
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.003 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.0





#85

sec-Butylbenzene

Concen: 4.921 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 70777

Ion Ratio Lower Upper

105 100

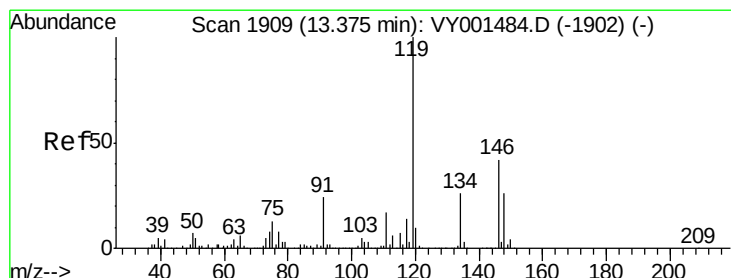
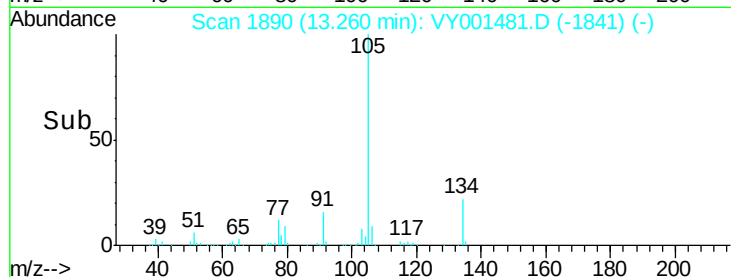
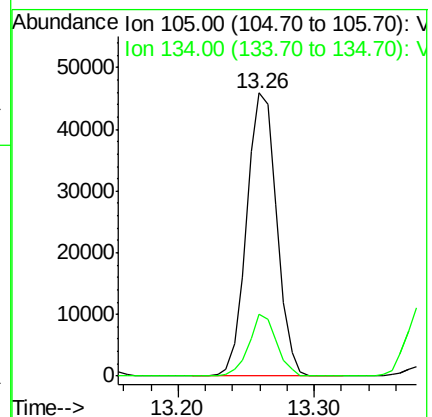
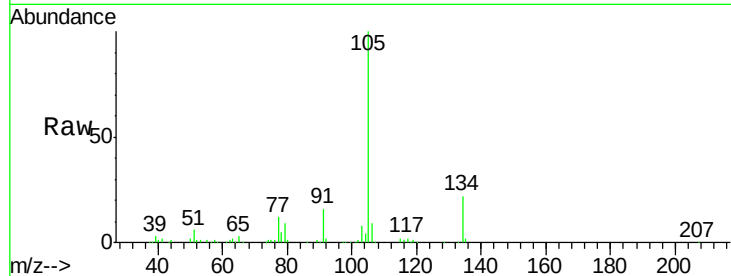
134 20.2 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.037 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001481.D

Acq: 04 Feb 2020 12:55

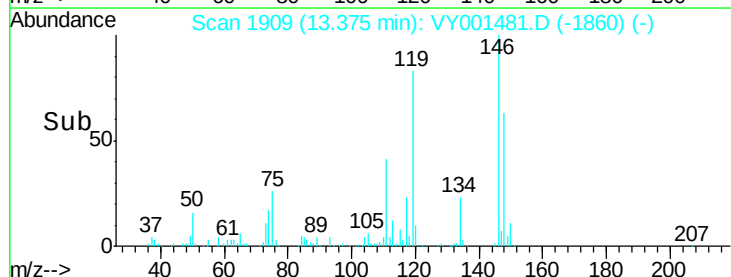
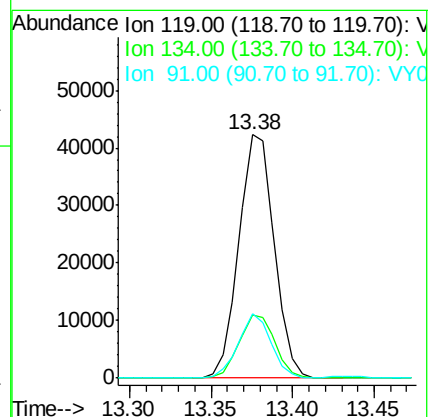
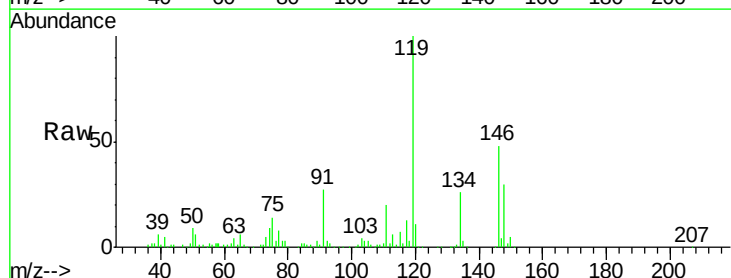
Tgt Ion:119 Resp: 63957

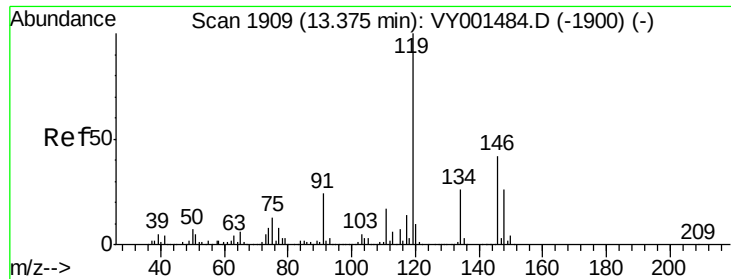
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 24.8 12.2 36.6





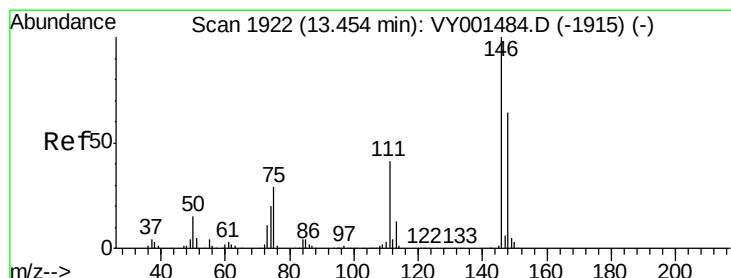
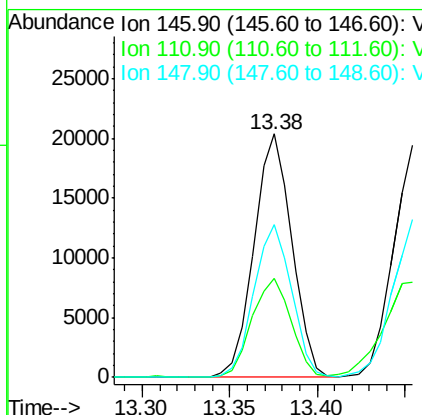
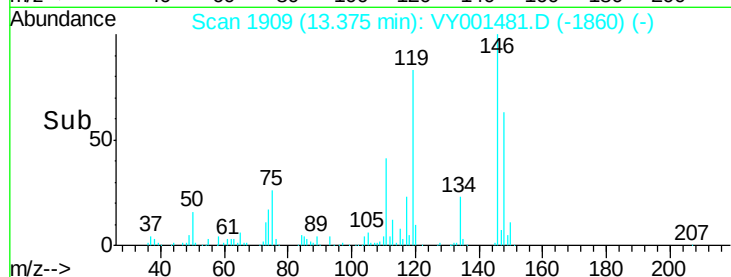
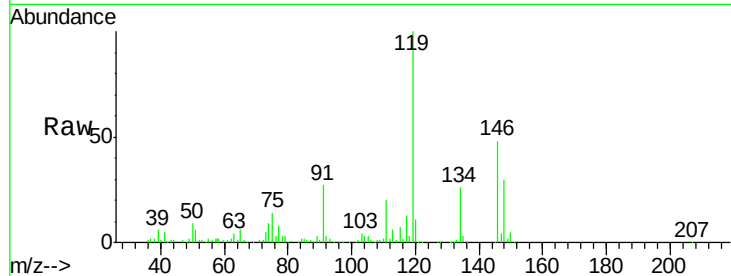
#87
 1,3-Dichlorobenzene
 Concen: 5.013 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	62.5	31.9	95.7

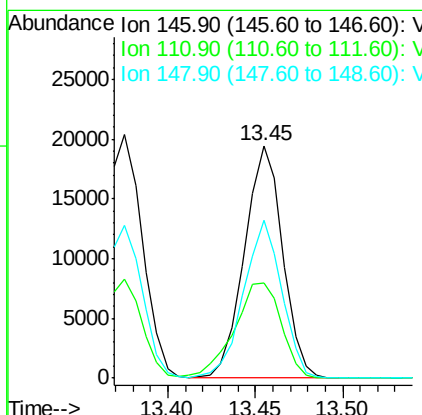
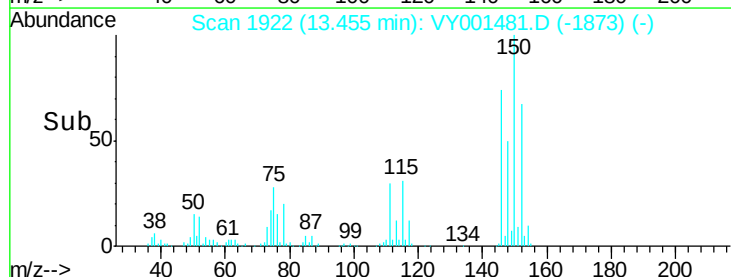
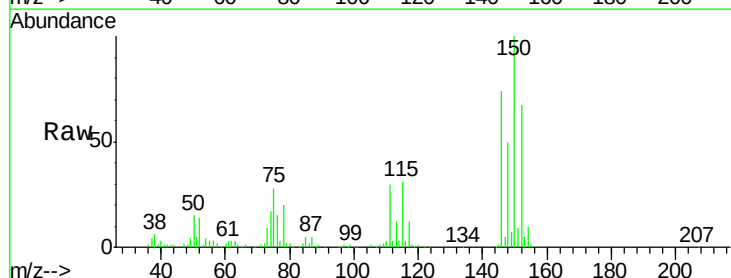
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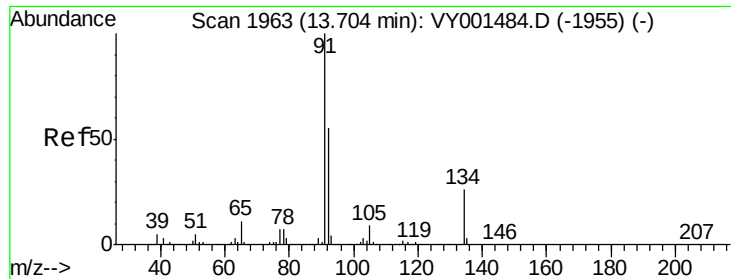
MMDadoda
 2/5/2020 12:23:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.784 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.4	20.7	62.1
148	67.7	32.1	96.5





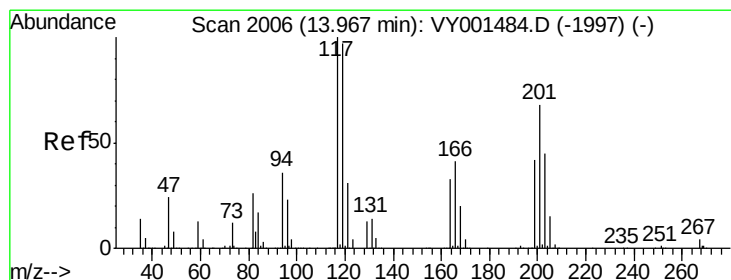
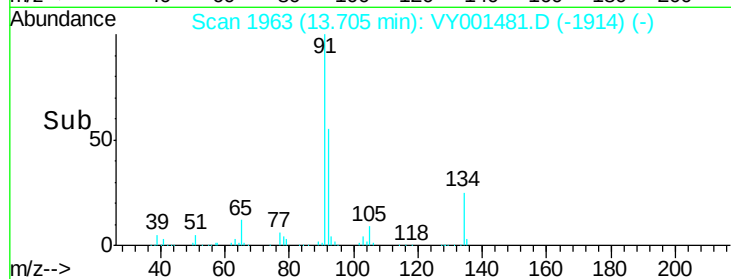
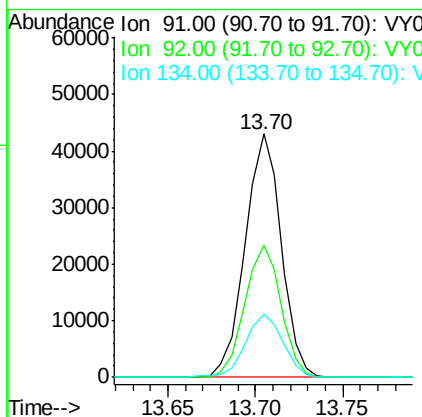
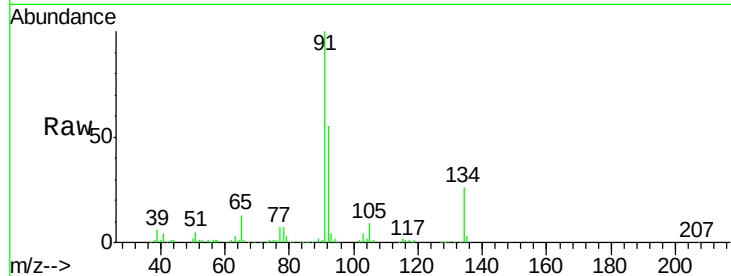
#89
n-Butylbenzene
Concen: 4.849 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	54.4	27.3	81.9	
134	26.9	13.0	38.9	

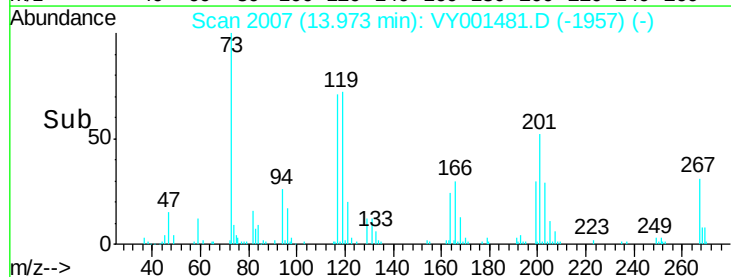
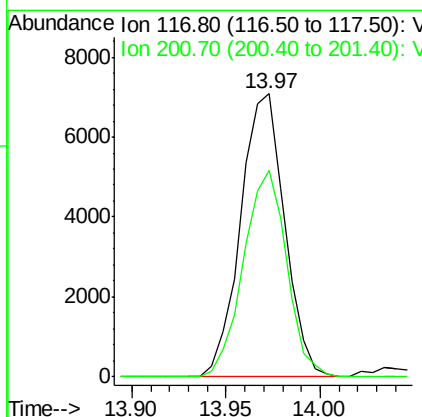
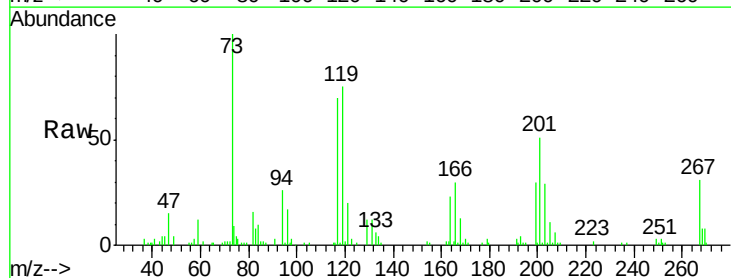
Manual Integrations
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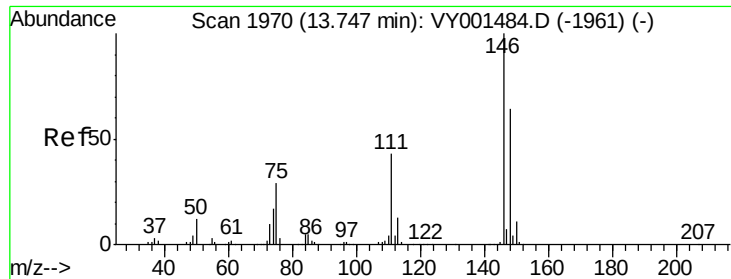
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#90
Hexachloroethane
Concen: 4.782 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	71.5	34.1	102.3	





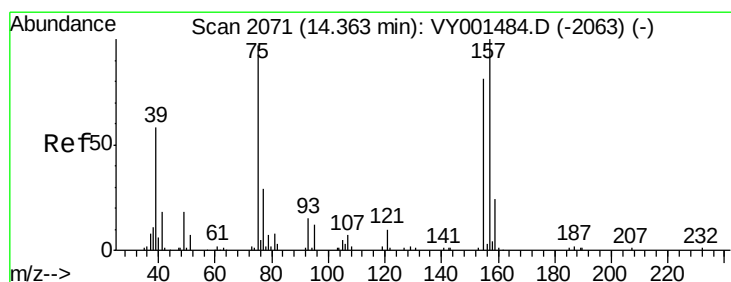
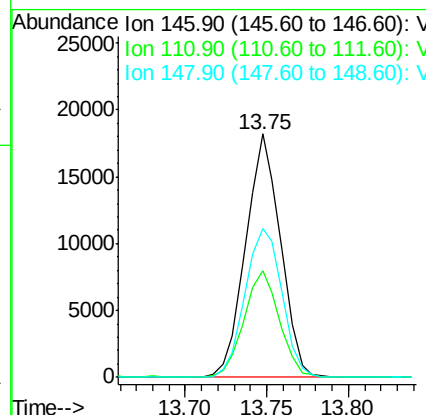
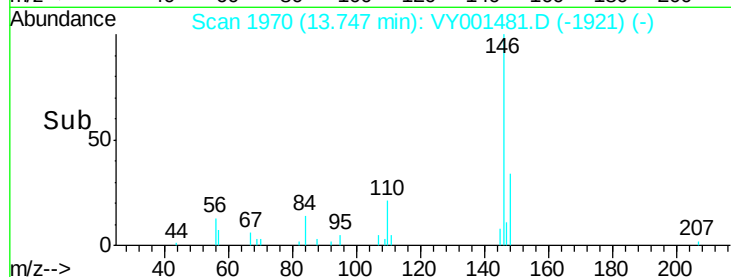
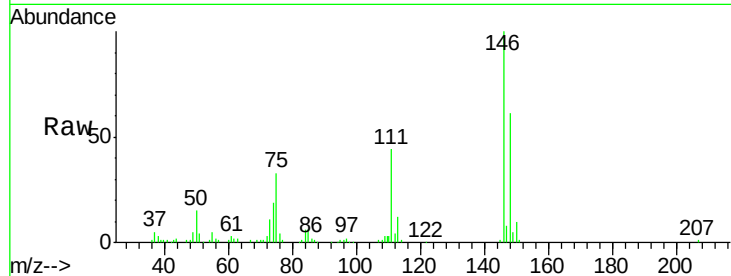
#91
 1,2-Dichlorobenzene
 Concen: 4.807 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.8
148	64.9	31.8	95.3

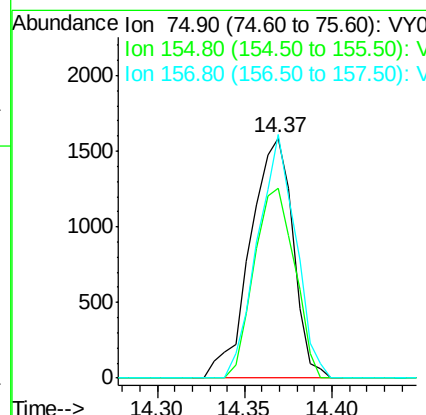
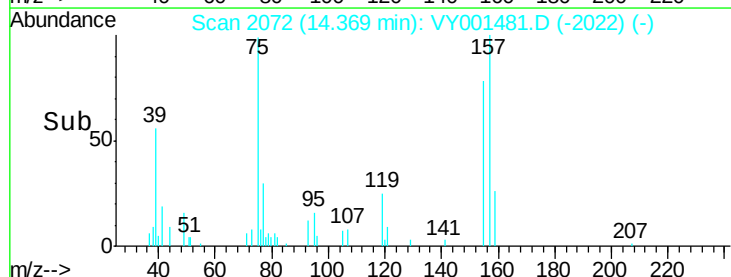
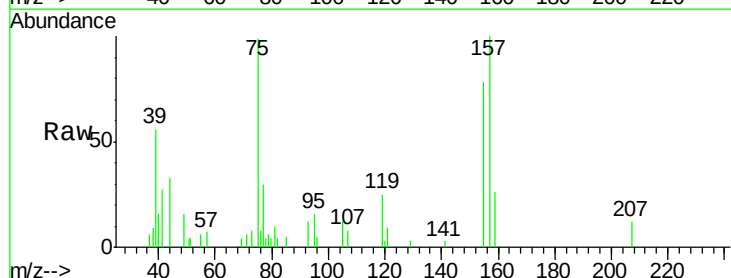
Manual Integrations
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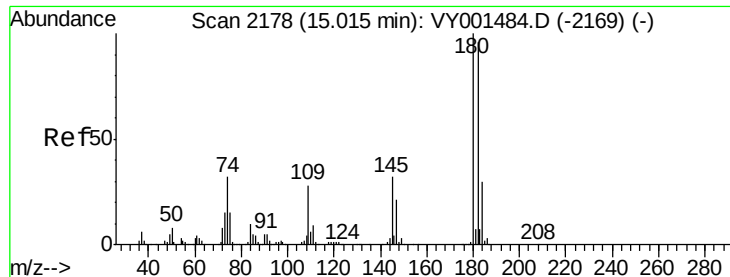
MMDadoda
 2/5/2020 12:23:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.136 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	40.7	122.1
157	90.7	52.3	157.1





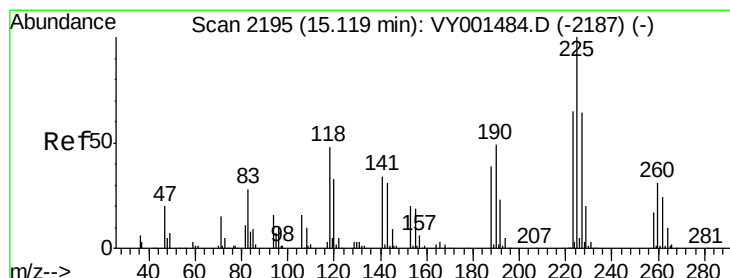
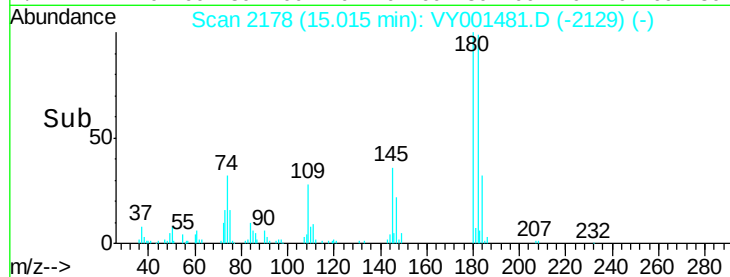
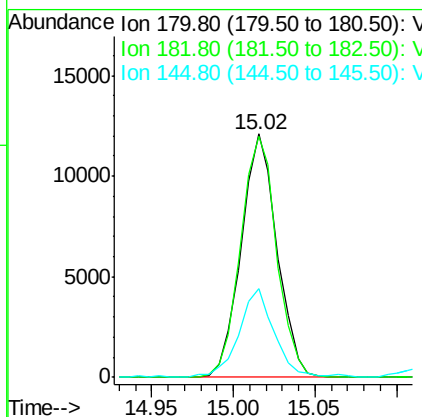
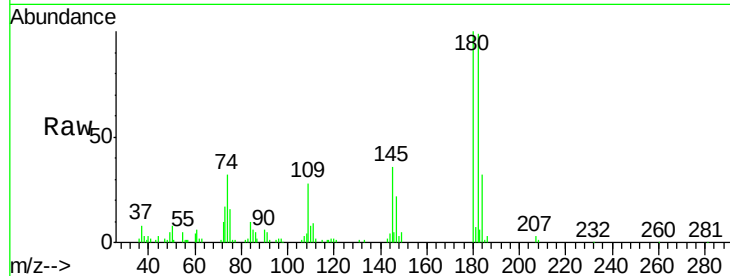
#93
 1,2,4-Trichlorobenzene
 Concen: 4.886 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18498		
182	99.7	46.9	140.7	
145	35.9	16.8	50.3	

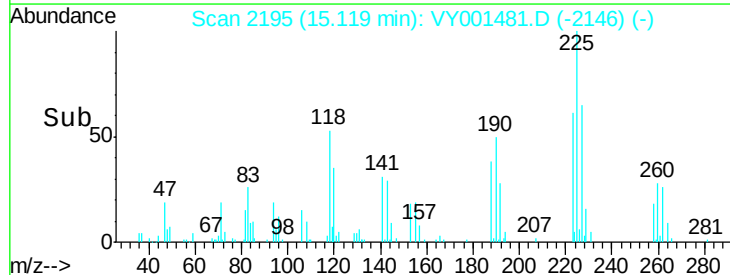
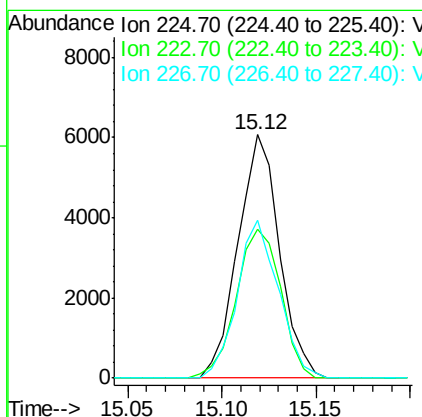
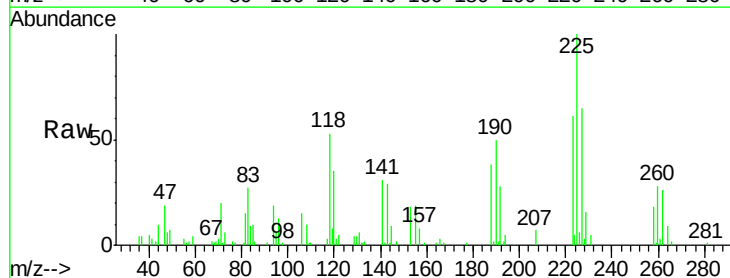
Manual Integrations
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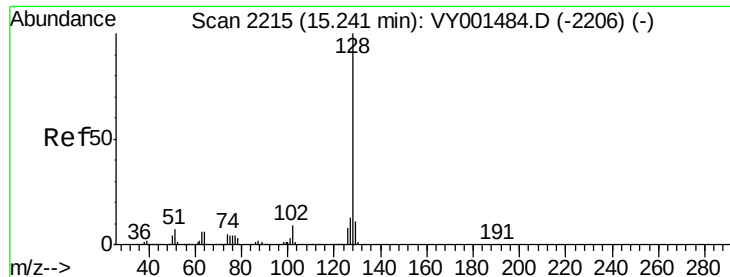
MMDadoda
 2/5/2020 12:23:30 PM



#94
 Hexachlorobutadiene
 Concen: 4.989 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001481.D
 Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9250		
223	65.6	31.9	95.7	
227	64.7	32.6	97.7	





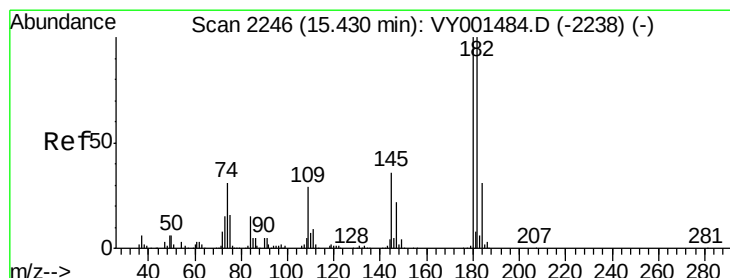
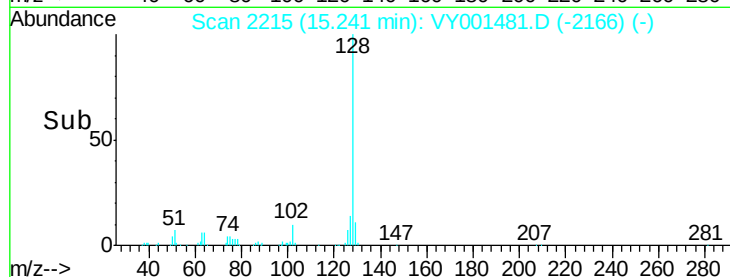
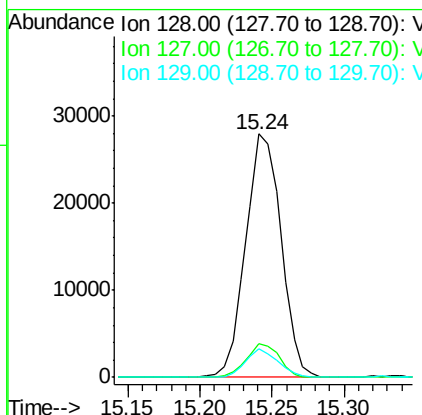
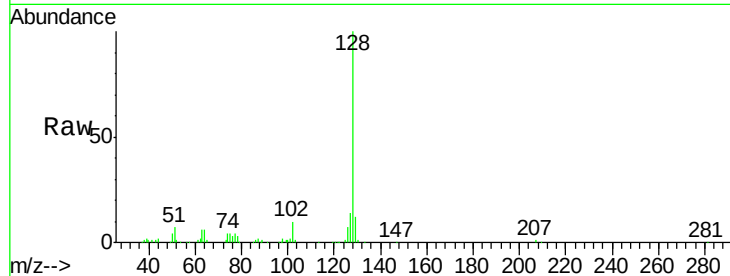
#95
Naphthalene
Concen: 5.532 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001481.D
Acq: 04 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	37.9	17.8	53.5

