

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001606.D
 Acq On : 11 Feb 2020 17:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:07 PM

Quant Time: Feb 12 08:28:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	183985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	326416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	144858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102891	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	7.74	113	93976	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.19	98	387445	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.49	95	144496	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	73009	40.538	ug/l	98
3) Chloromethane	2.12	50	98978	52.583	ug/l	96
4) Vinyl Chloride	2.26	62	102237	52.308	ug/l	97
5) Bromomethane	2.66	94	67657	55.042	ug/l	95
6) Chloroethane	2.80	64	64431	54.689	ug/l	95
7) Trichlorofluoromethane	3.15	101	134251	41.497	ug/l	100
8) Diethyl Ether	3.55	74	53374	48.889	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.92	101	83513	42.902	ug/l	99
10) Methyl Iodide	4.11	142	100149	40.378	ug/l	98
11) Tert butyl alcohol	4.99	59	51569	247.172	ug/l	97
12) 1,1-Dichloroethene	3.90	96	88077	45.533	ug/l	97
13) Acrolein	3.75	56	46516	265.189	ug/l	100
14) Allyl chloride	4.51	41	153383	51.834	ug/l	97
15) Acrylonitrile	5.19	53	144096	287.909	ug/l	99
16) Acetone	3.97	43	141808	264.644	ug/l	98
17) Carbon Disulfide	4.22	76	274794	44.624	ug/l	98
18) Methyl Acetate	4.51	43	64199	56.144	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	249271	48.457	ug/l	100
20) Methylene Chloride	4.75	84	103900	49.470	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	98480	45.796	ug/l	94
22) Diisopropyl ether	6.15	45	324809	55.403	ug/l	93
23) Vinyl Acetate	6.09	43	1086204	291.042	ug/l	96
24) 1,1-Dichloroethane	6.05	63	171867	48.738	ug/l	97
25) 2-Butanone	7.02	43	209266	301.026	ug/l	94
26) 2,2-Dichloropropane	7.01	77	144568	42.836	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	110381	46.996	ug/l	97
28) Bromochloromethane	7.36	49	79970	66.570	ug/l	88
29) Tetrahydrofuran	7.37	42	149692	359.260	ug/l	93
30) Chloroform	7.53	83	165850	46.431	ug/l	98
31) Cyclohexane	7.80	56	166406	46.132	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	141432	43.672	ug/l	98
36) 1,1-Dichloropropene	7.94	75	136373	45.669	ug/l	99
37) Ethyl Acetate	7.10	43	84274	58.299	ug/l	96
38) Carbon Tetrachloride	7.92	117	122535	42.414	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	172514	43.876	ug/l	98
40) Benzene	8.18	78	404245	47.462	ug/l	98
41) Methacrylonitrile	7.34	41	35735m	53.338	ug/l	
42) 1,2-Dichloroethane	8.25	62	113208	47.709	ug/l	100
43) Isopropyl Acetate	8.29	43	164636	57.522	ug/l	94
44) Trichloroethene	8.96	130	101174	44.069	ug/l	98
45) 1,2-Dichloropropane	9.23	63	104362	50.742	ug/l	98
46) Dibromomethane	9.32	93	55578	48.124	ug/l	99
47) Bromodichloromethane	9.51	83	129881	46.156	ug/l	97
48) Methyl methacrylate	9.31	41	74914	57.670	ug/l	92
49) 1,4-Dioxane	9.31	88	15811	1036.639	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	440011	312.172	ug/l	94
52) Toluene	10.25	92	255347	47.249	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	146851	47.914	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	166316	47.267	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	81530	49.204	ug/l	97
56) Ethyl methacrylate	10.52	69	123538	52.418	ug/l	91
57) 1,3-Dichloropropane	10.80	76	143792	49.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	255455	294.641	ug/l	95
59) 2-Hexanone	10.84	43	313305	305.711	ug/l	96
60) Dibromochloromethane	10.99	129	89478	45.811	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77205	47.306	ug/l	98
64) Tetrachloroethene	10.73	164	81277	41.597	ug/l	95
65) Chlorobenzene	11.52	112	265416	45.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	88982	43.460	ug/l	100
67) Ethyl Benzene	11.60	91	490174	45.318	ug/l	99
68) m/p-Xylenes	11.71	106	368638	90.786	ug/l	98
69) o-Xylene	12.03	106	175741	45.903	ug/l	99
70) Styrene	12.05	104	305360	46.122	ug/l	98
71) Bromoform	12.22	173	54079	47.435	ug/l #	99
73) Isopropylbenzene	12.33	105	465203	42.107	ug/l	100
74) N-amyl acetate	12.15	43	159532	55.569	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	104982	50.014	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	72145m	46.312	ug/l	
77) Bromobenzene	12.61	156	103275	43.194	ug/l	94
78) n-propylbenzene	12.67	91	573431	43.355	ug/l	99
79) 2-Chlorotoluene	12.76	91	320358	42.492	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	393938	42.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	40149	49.869	ug/l	98
82) 4-Chlorotoluene	12.86	91	336347	42.551	ug/l	99
83) tert-Butylbenzene	13.08	119	334616	42.546	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	391058	42.465	ug/l	99
85) sec-Butylbenzene	13.26	105	479112	43.329	ug/l	99
86) p-Isopropyltoluene	13.38	119	417731	42.869	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	201376	43.949	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	203482	44.327	ug/l	99
89) n-Butylbenzene	13.70	91	425071	44.212	ug/l	100
90) Hexachloroethane	13.97	117	77626	41.505	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	185679	44.716	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17385	44.864	ug/l	98

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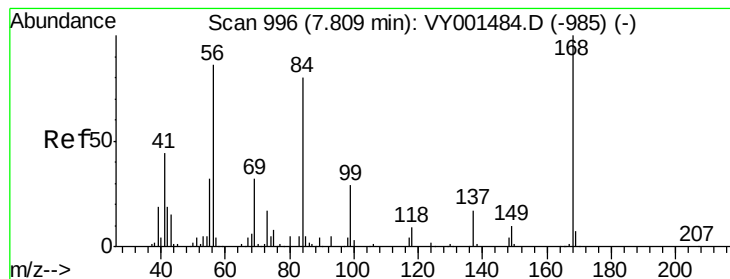
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	119338	42.647	ug/l	98
94) Hexachlorobutadiene	15.12	225	58312	41.059	ug/l	100
95) Naphthalene	15.24	128	291130	44.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	108479	43.917	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183985

Ion Ratio Lower Upper

168 100

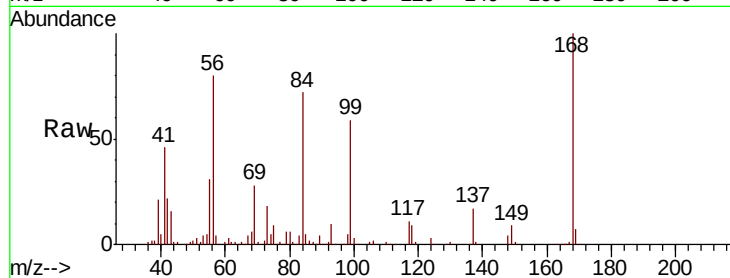
99 59.3 48.2 72.4

Manual Integrations

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2/12/2020 3:12:07 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001606.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001606.D (-947) (-)

7.81

80000

60000

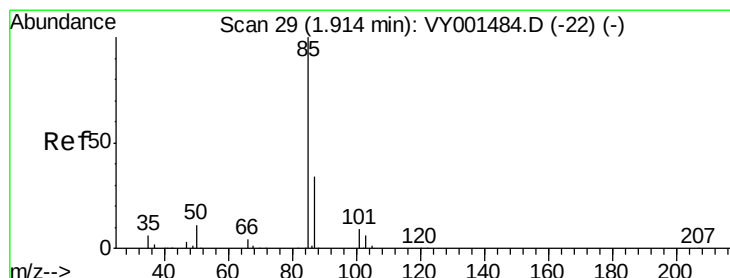
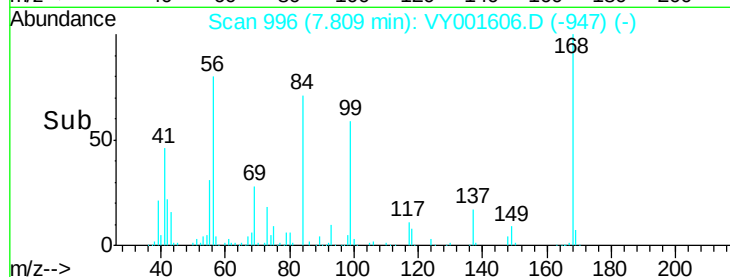
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 40.538 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001606.D

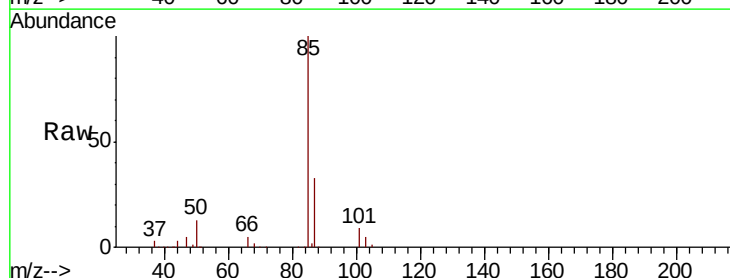
Acq: 11 Feb 2020 17:49

Tgt Ion: 85 Resp: 73009

Ion Ratio Lower Upper

85 100

87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001606.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001606.D (-1) (-)

1.91

50000

40000

30000

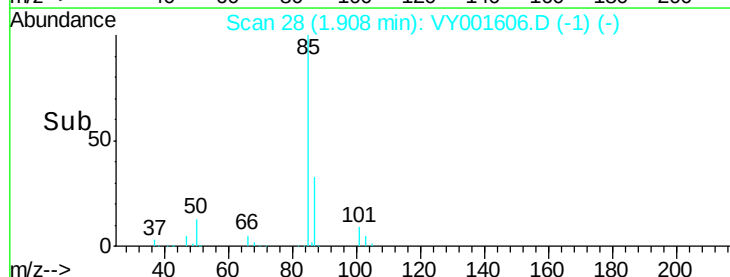
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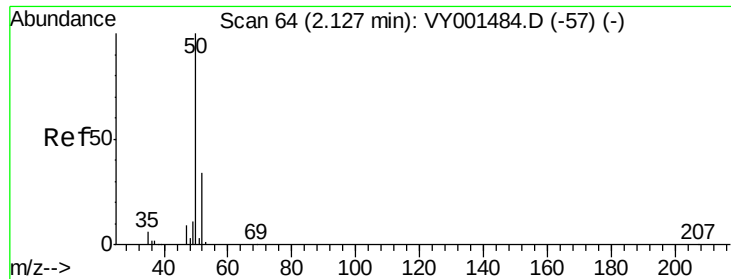
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.583 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98978

Ion Ratio Lower Upper

50 100

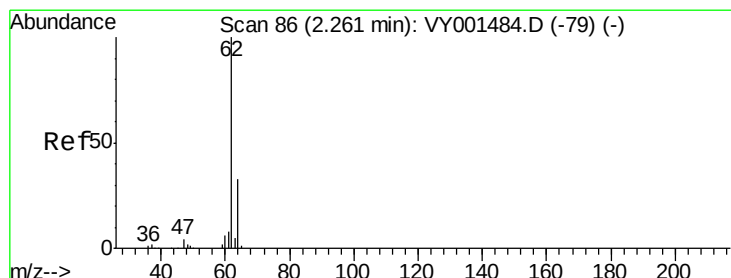
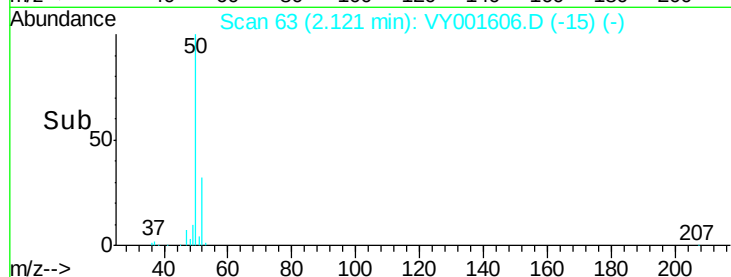
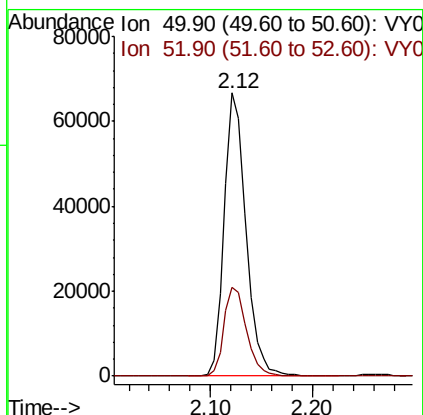
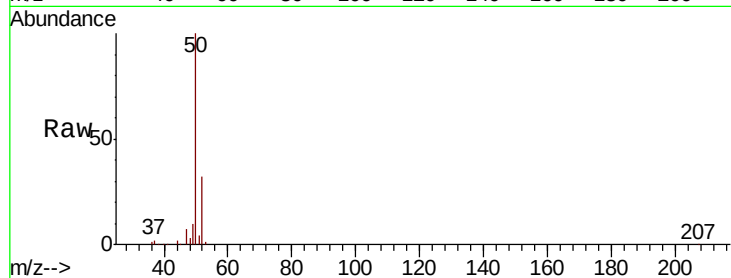
52 31.6 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.308 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001606.D

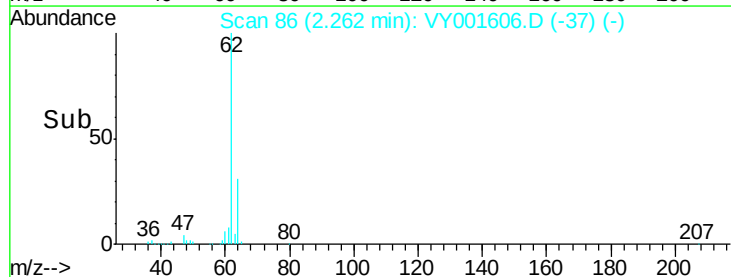
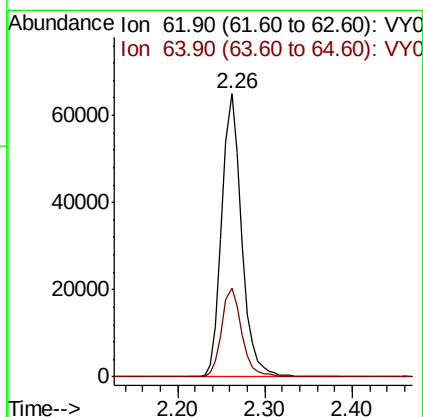
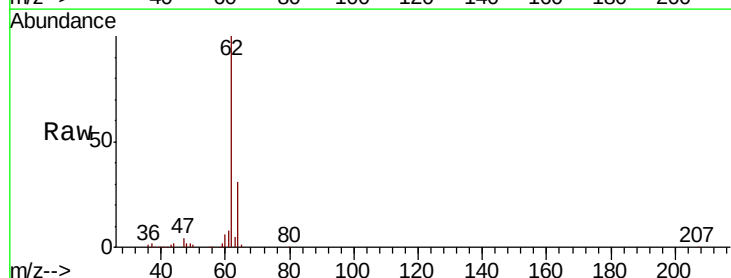
Acq: 11 Feb 2020 17:49

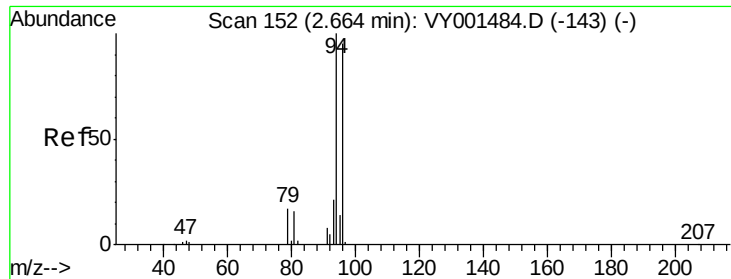
Tgt Ion: 62 Resp: 102237

Ion Ratio Lower Upper

62 100

64 31.3 26.4 39.6





#5

Bromomethane

Concen: 55.042 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67657

Ion Ratio Lower Upper

94 100

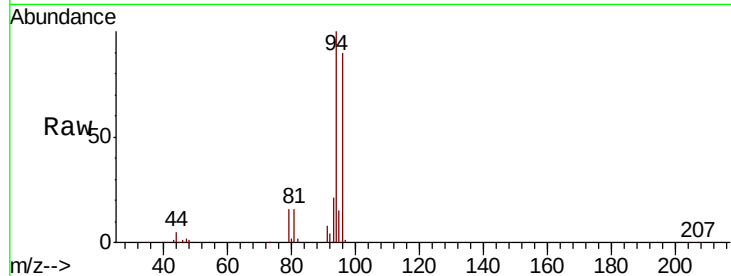
96 90.4 76.2 114.2

Manual Integrations

APPROVED

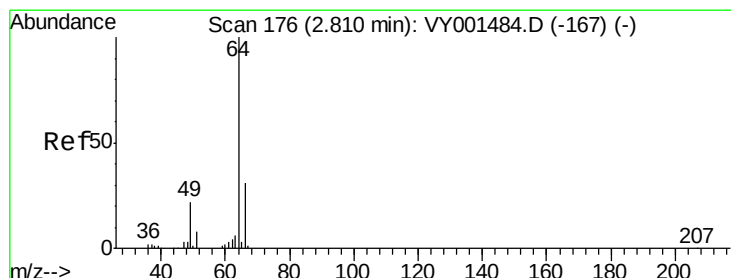
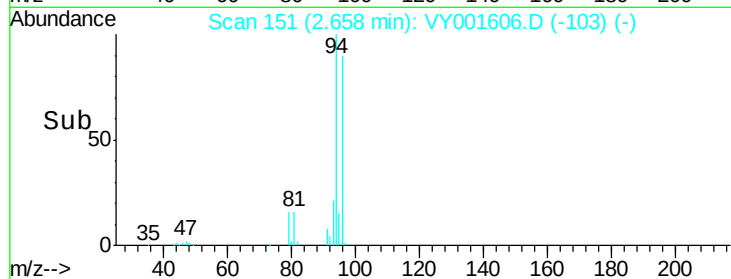
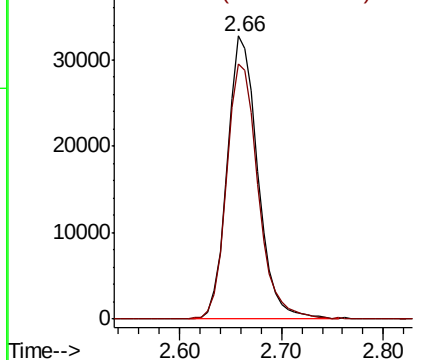
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 54.689 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001606.D

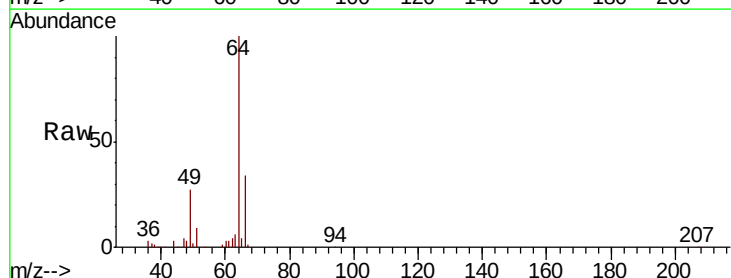
Acq: 11 Feb 2020 17:49

Tgt Ion: 64 Resp: 64431

Ion Ratio Lower Upper

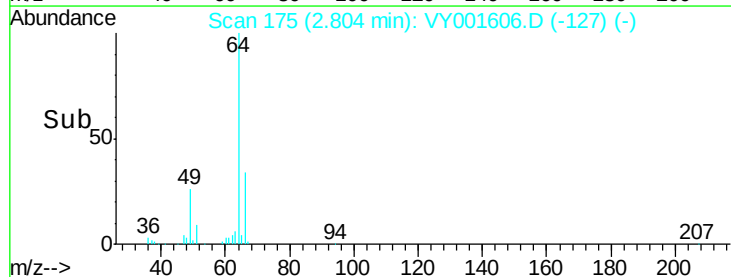
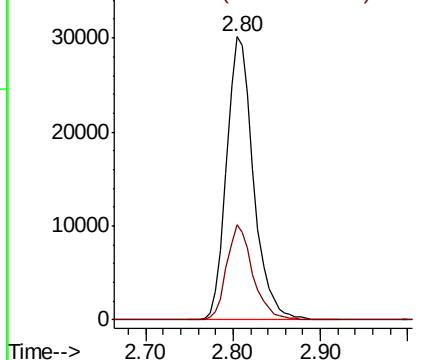
64 100

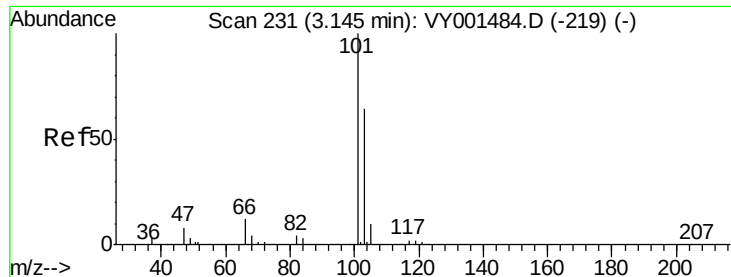
66 33.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

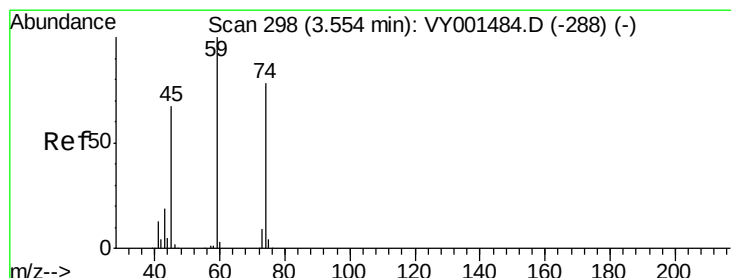
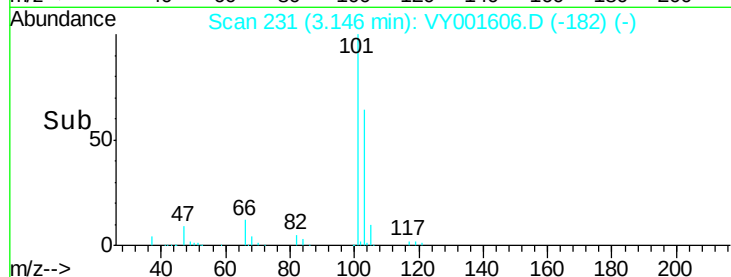
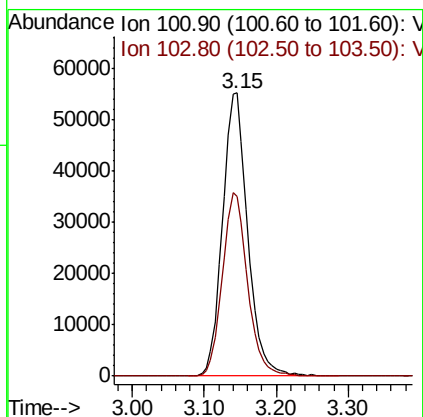
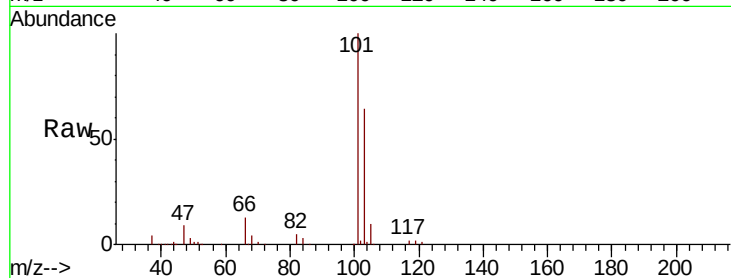
Trichlorofluoromethane
Concen: 41.497 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

Manual Integrations
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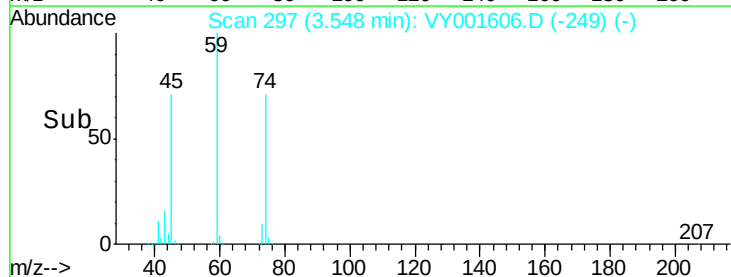
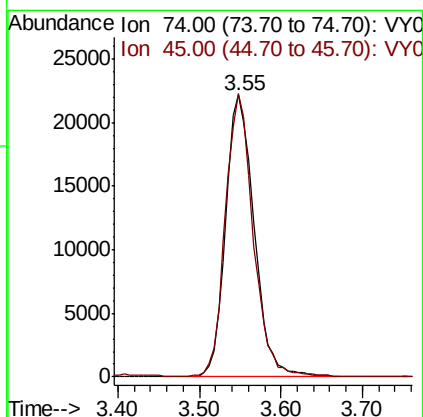
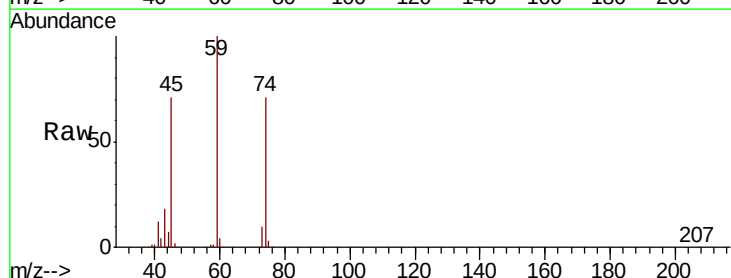
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2/12/2020 3:12:07 PM

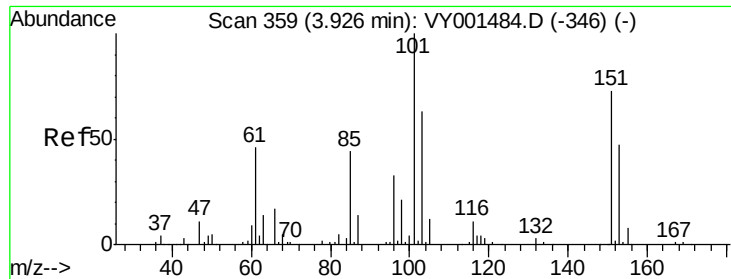


#8

Diethyl Ether
Concen: 48.889 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.902 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001606.D

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Instrument :

MSVOA_Y

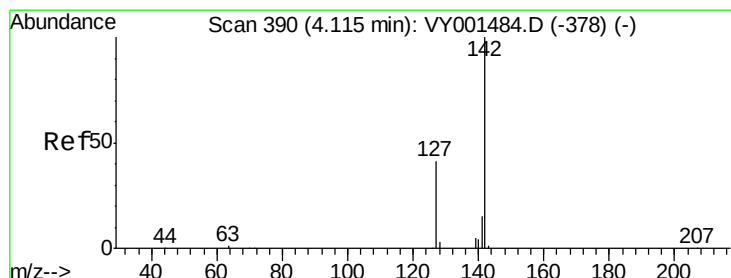
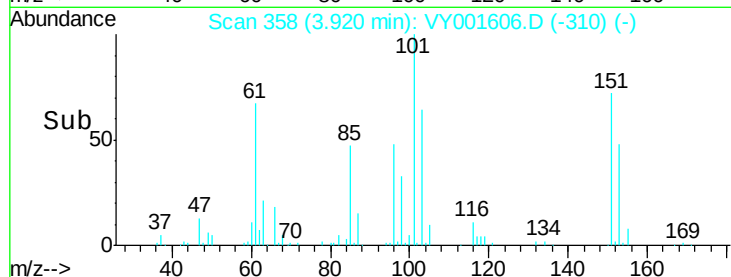
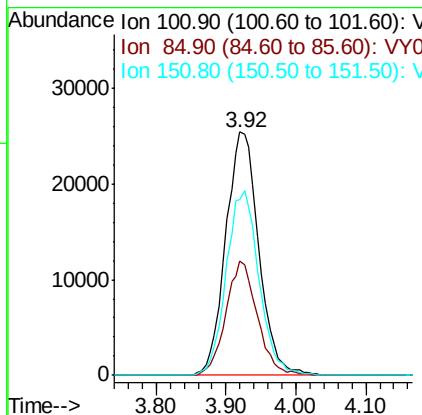
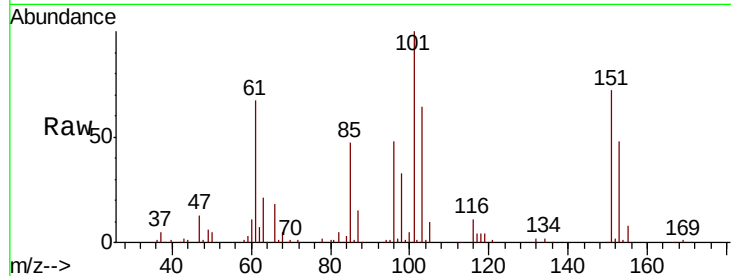
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83513
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.6	51.8
151	75.2	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 40.378 ug/l

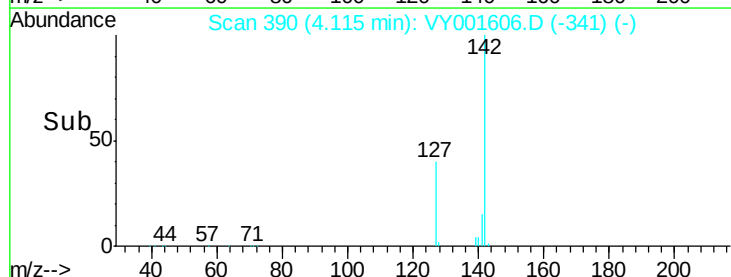
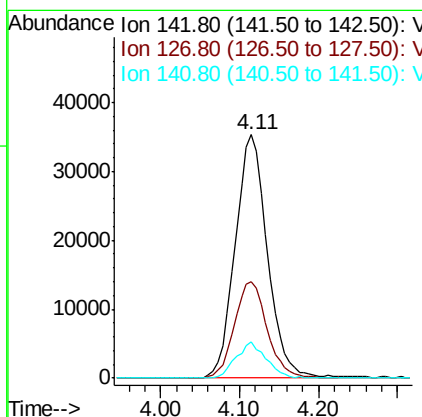
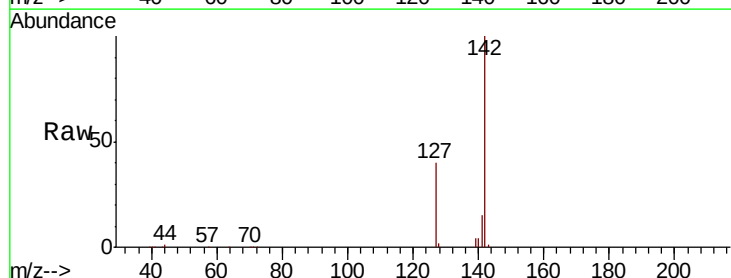
RT: 4.11 min Scan# 390

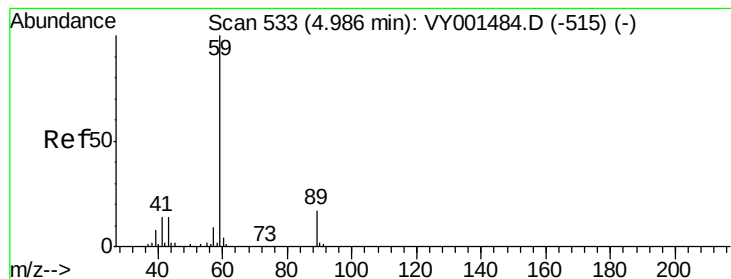
Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	142	Resp:	100149
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.3	49.9
141	14.1	11.5	17.3





#11

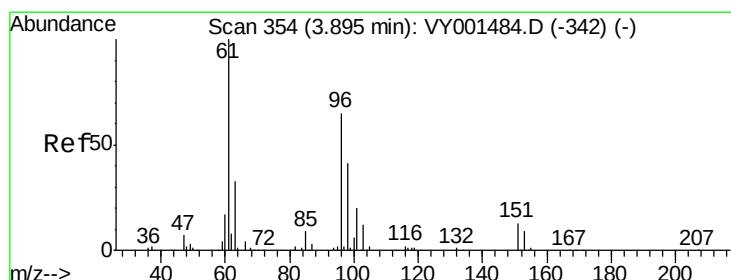
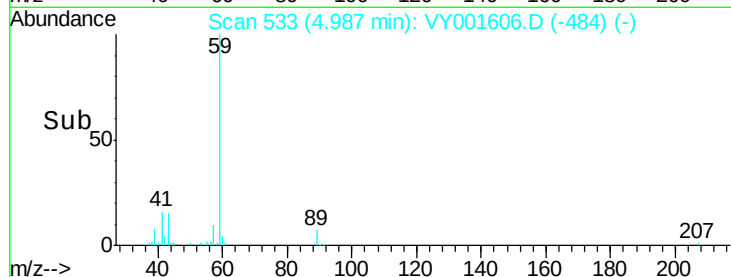
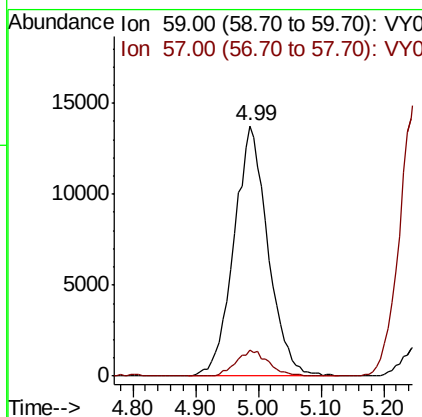
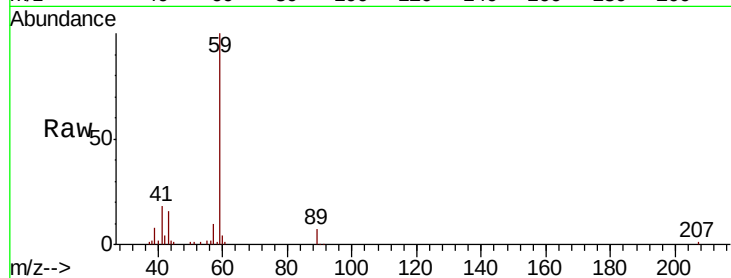
Tert butyl alcohol
Concen: 247.172 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.0	10.6

Manual Integrations
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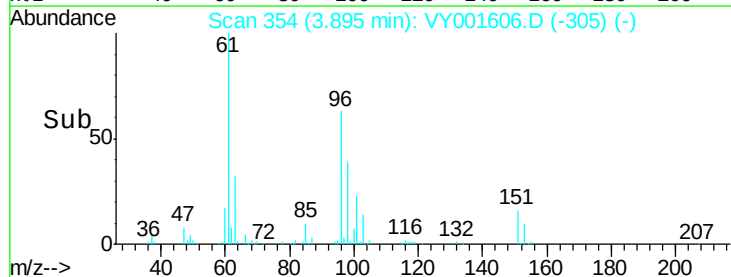
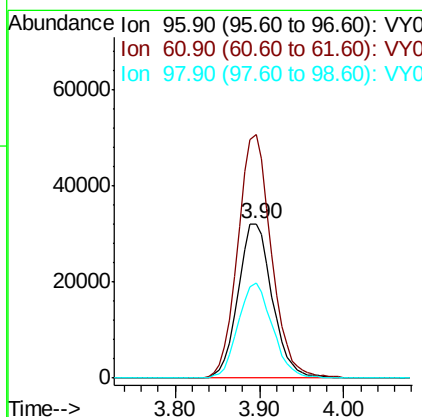
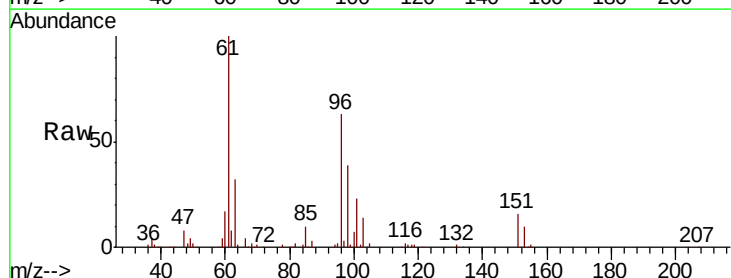
MMDadoda
2/12/2020 3:12:07 PM

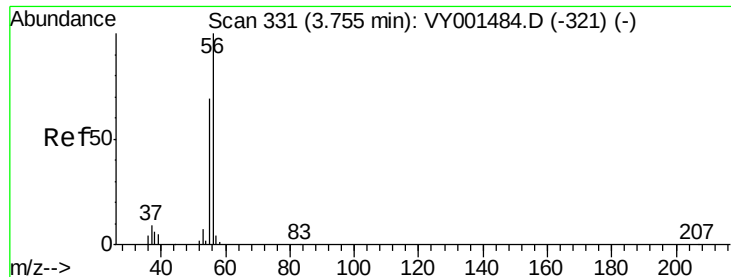


#12

1,1-Dichloroethene
Concen: 45.533 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	122.3	183.5
98	61.8	49.7	74.5





#13

Acrolein

Concen: 265.189 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46516

Ion Ratio Lower Upper

56 100

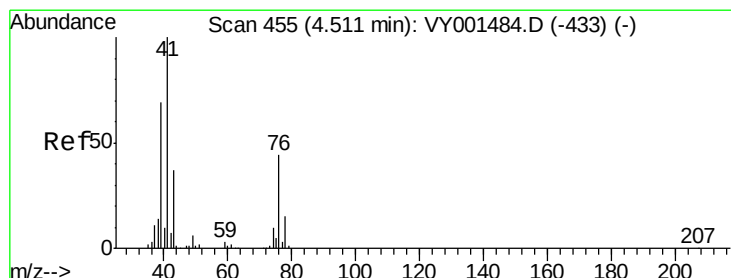
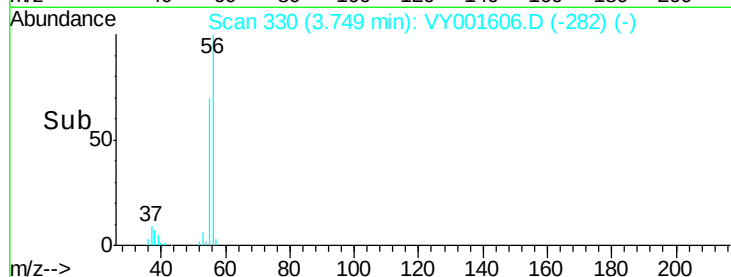
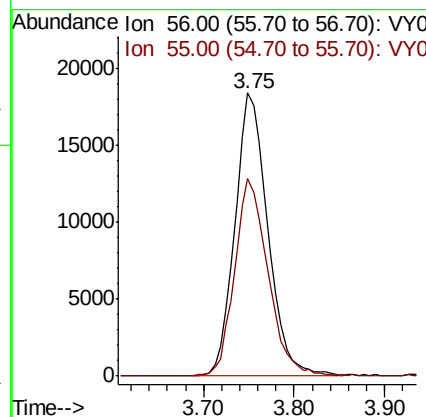
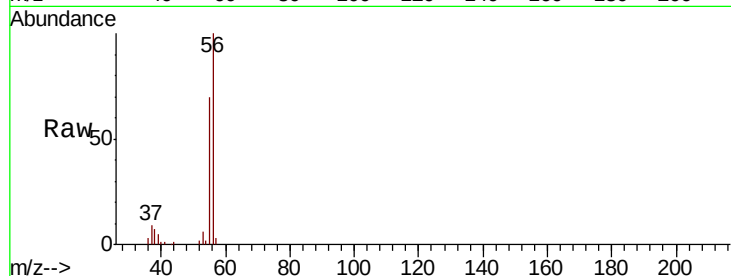
55 70.7 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 51.834 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

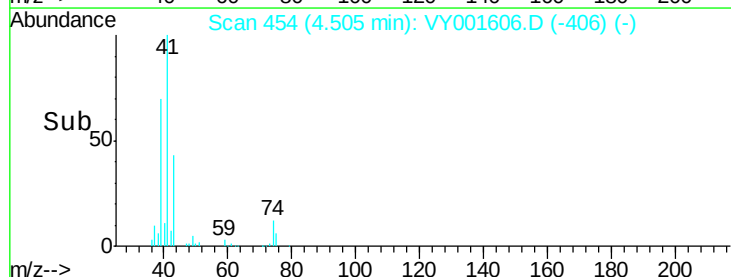
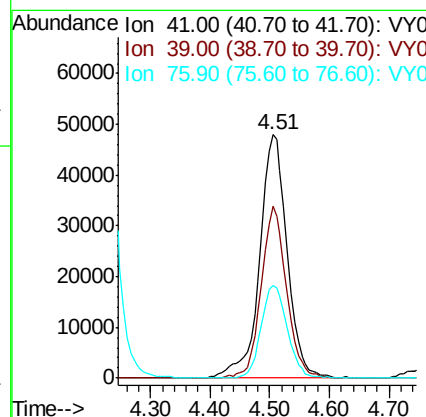
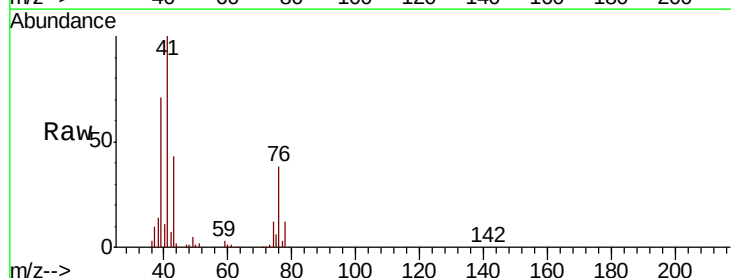
Tgt Ion: 41 Resp: 153383

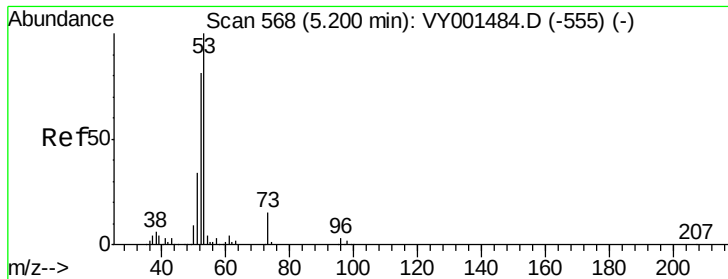
Ion Ratio Lower Upper

41 100

39 65.4 53.0 79.6

76 36.4 32.6 48.8





#15

Acrylonitrile

Concen: 287.909 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

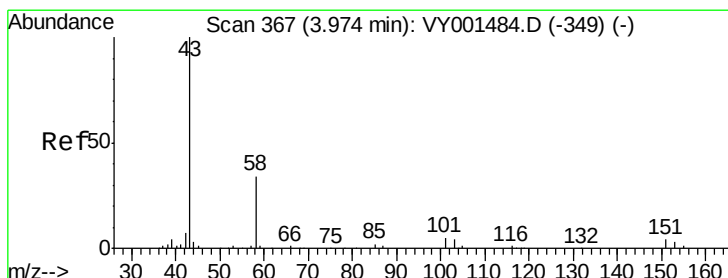
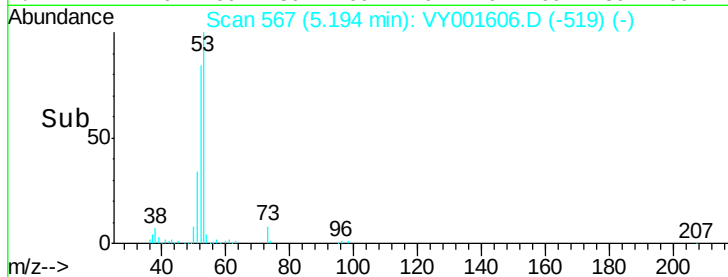
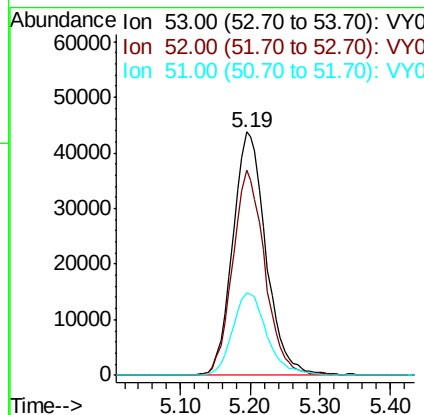
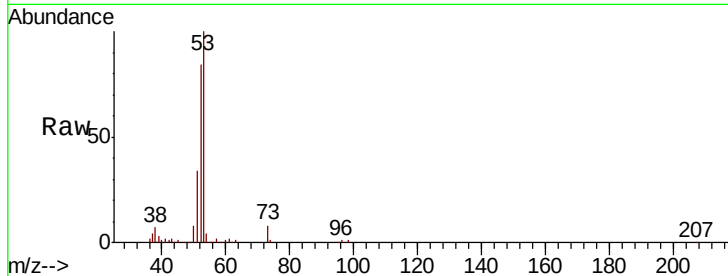
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	144096
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.4	98.2
51	35.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 264.644 ug/l

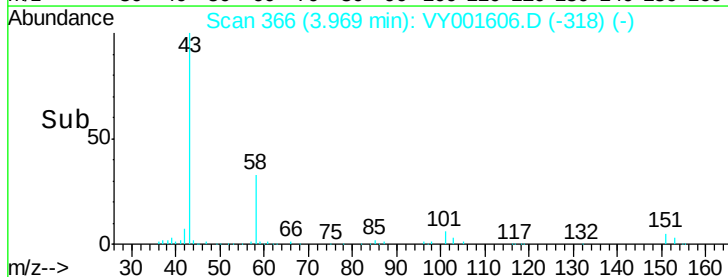
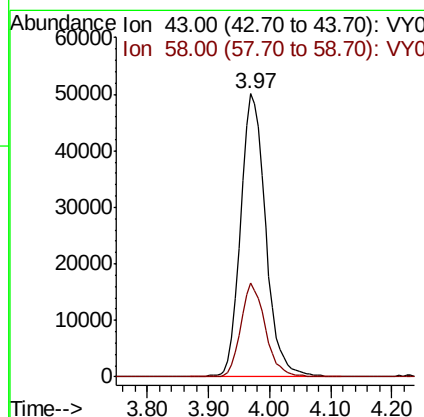
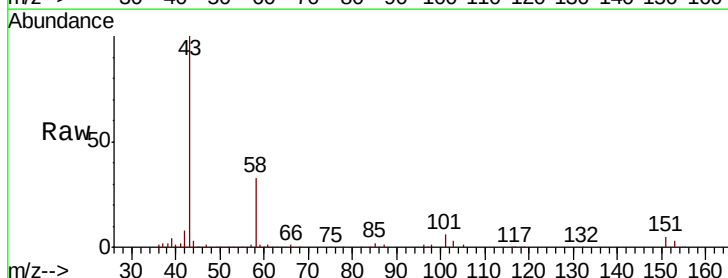
RT: 3.97 min Scan# 366

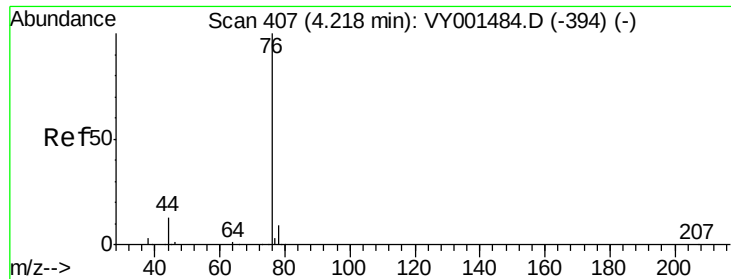
Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	43	Resp:	141808
Ion Ratio	Lower	Upper	
43	100		
58	33.1	27.5	41.3





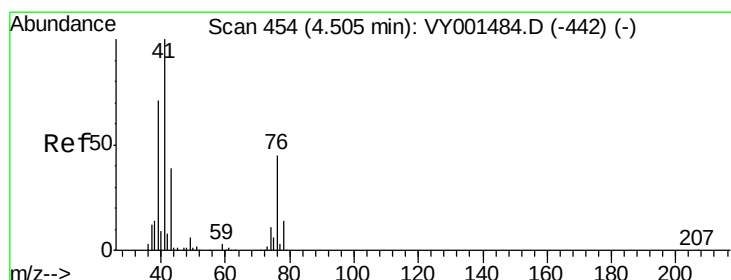
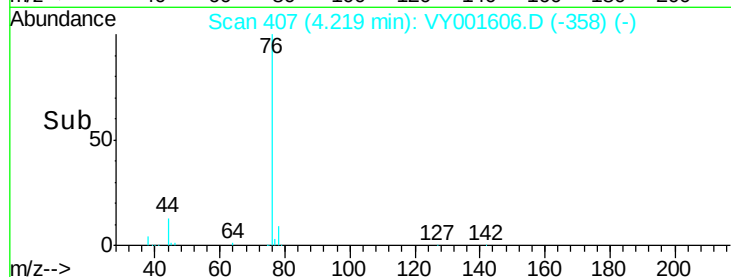
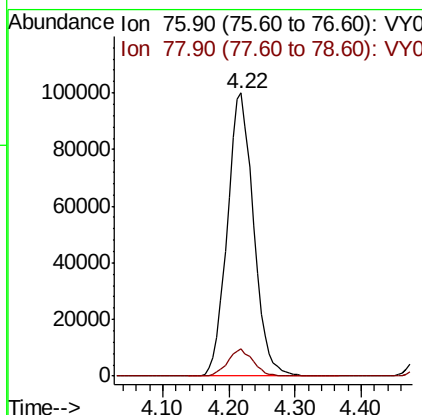
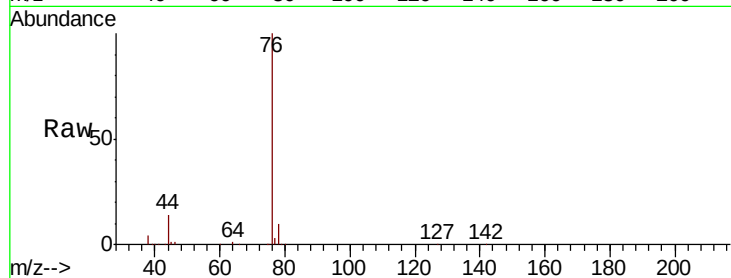
#17
Carbon Disulfide
Concen: 44.624 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

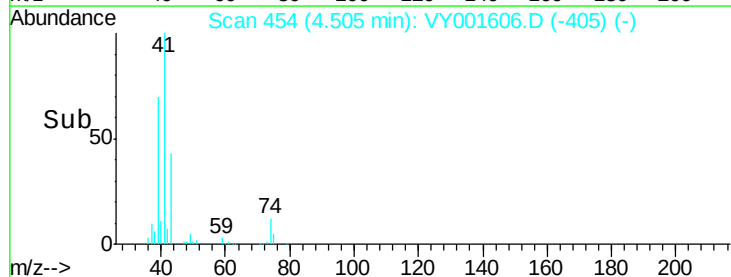
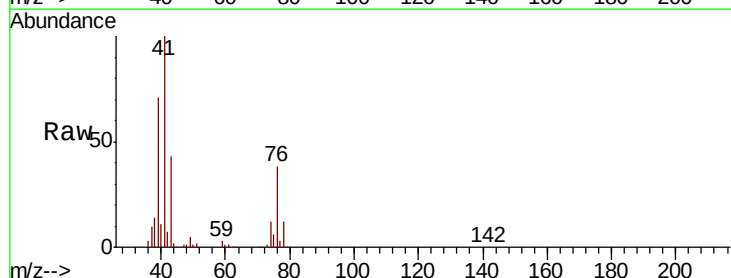
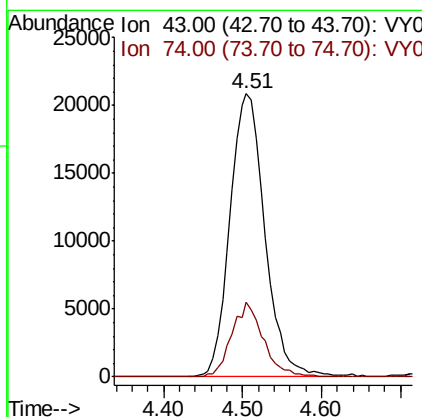
Manual Integrations
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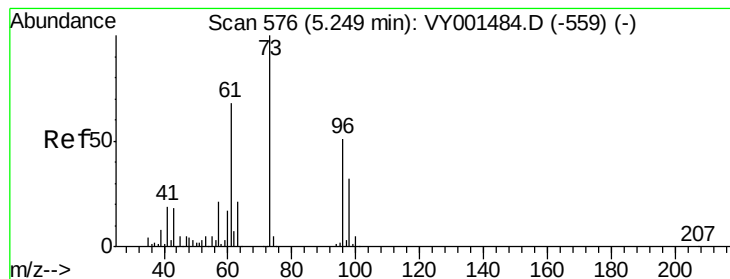
MMDadoda
2/12/2020 3:12:07 PM



#18
Methyl Acetate
Concen: 56.144 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	21.0	31.6





#19

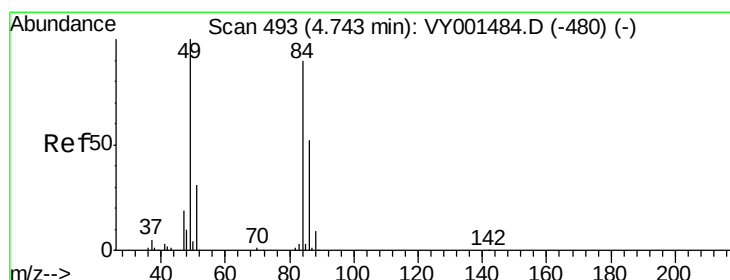
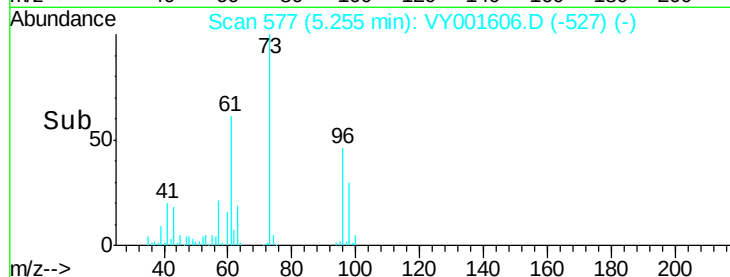
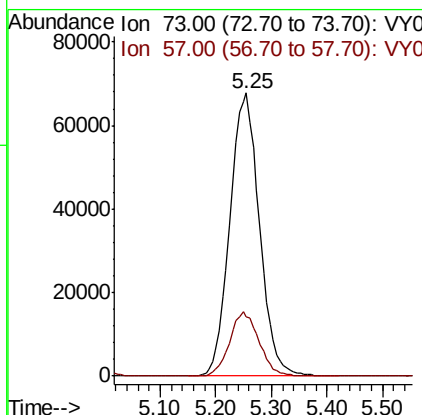
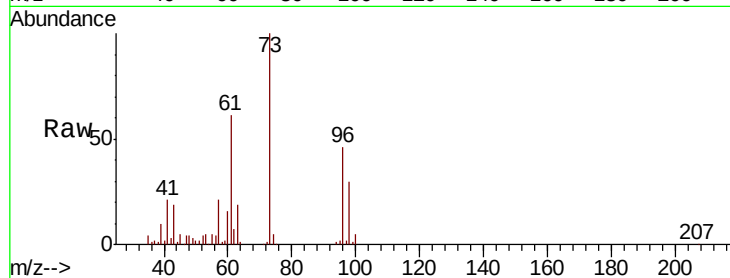
Methyl tert-butyl Ether
 Concen: 48.457 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6

Manual Integrations
 APPROVED

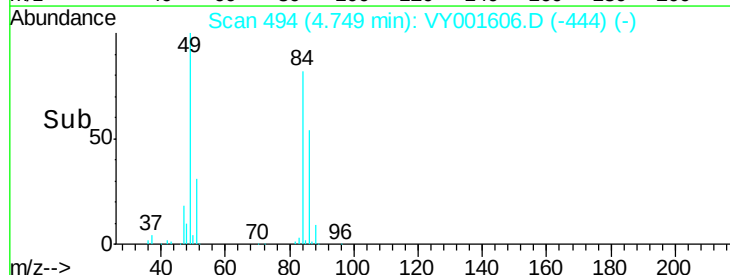
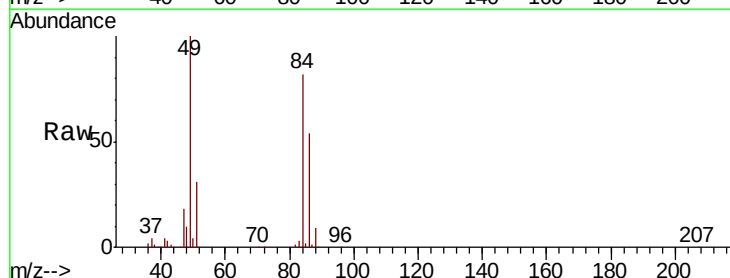
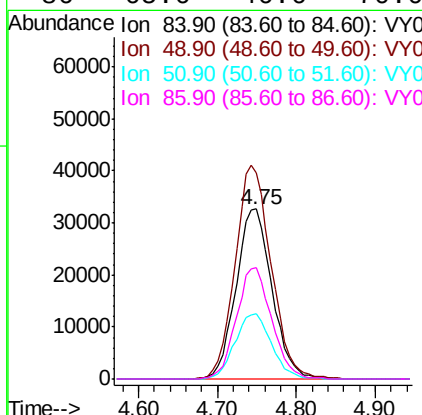
MMDadoda
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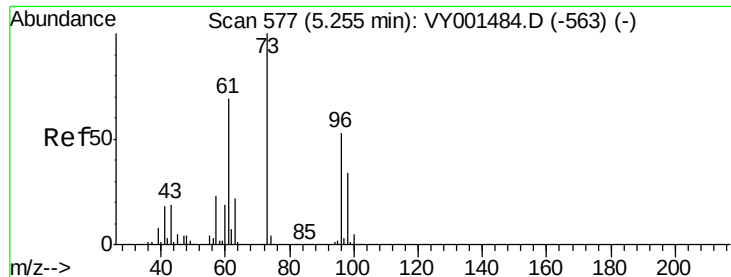


#20

Methylene Chloride
 Concen: 49.470 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	89.0	133.6
51	38.1	27.4	41.2
86	65.6	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 45.796 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

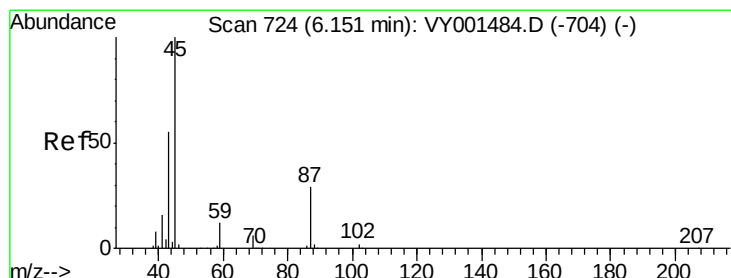
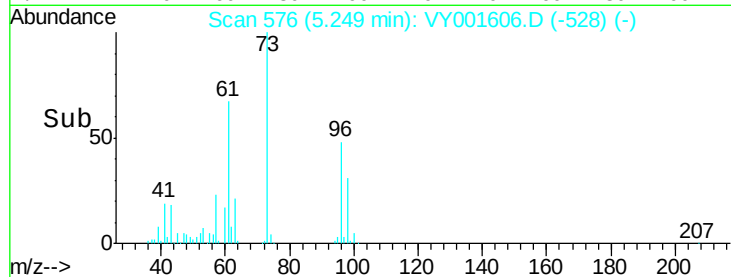
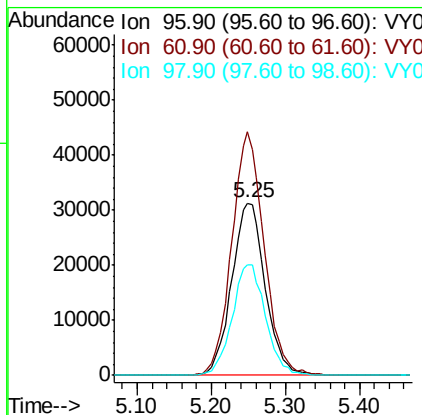
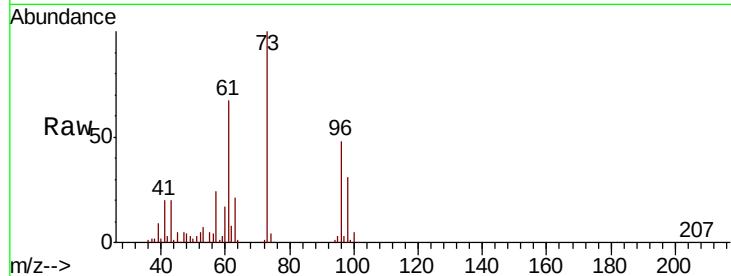
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	98480
Ion	Ratio	Lower	Upper
96	100		
61	141.5	104.2	156.4
98	64.2	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.403 ug/l

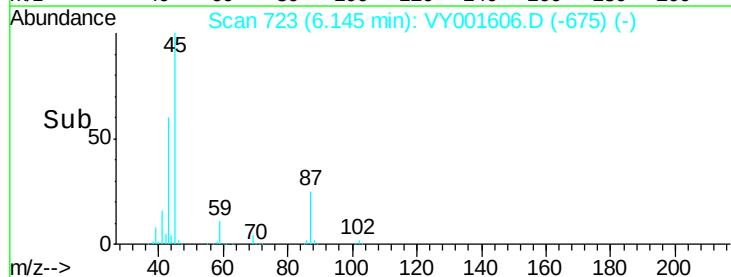
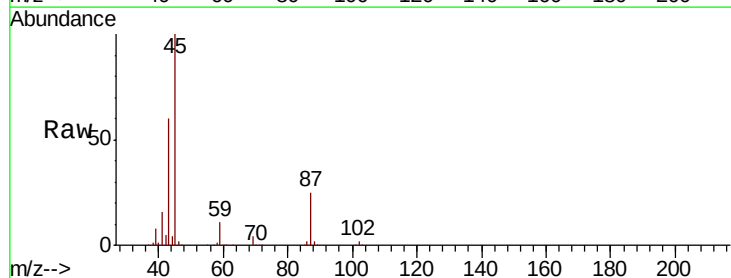
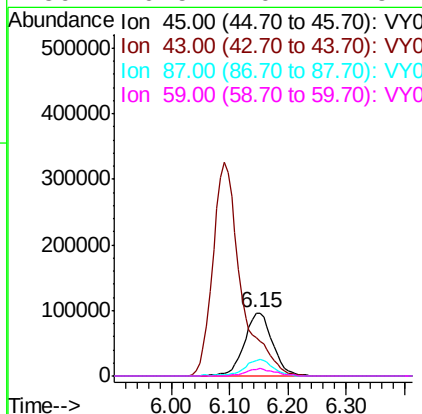
RT: 6.15 min Scan# 723

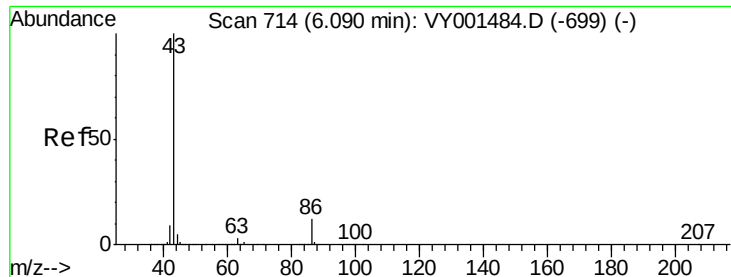
Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	45	Resp:	324809
Ion	Ratio	Lower	Upper
45	100		
43	60.0	44.2	66.4
87	24.6	23.9	35.9
59	10.5	10.2	15.2





#23

Vinyl Acetate

Concen: 291.042 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1086204

Ion Ratio Lower Upper

43 100

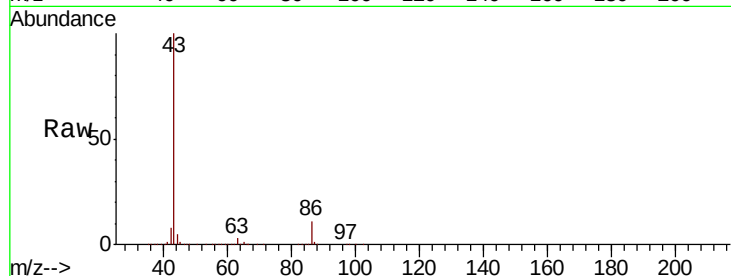
86 10.6 9.8 14.8

Manual Integrations

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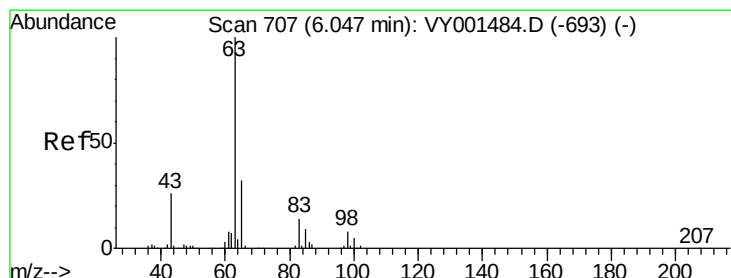
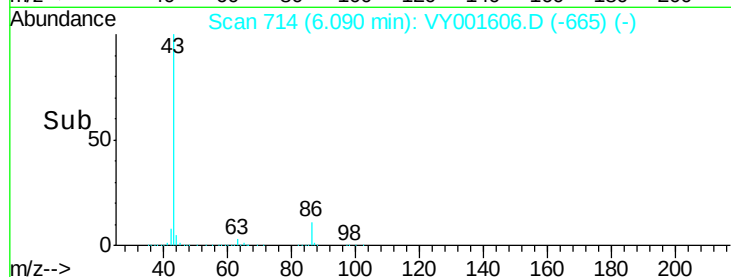
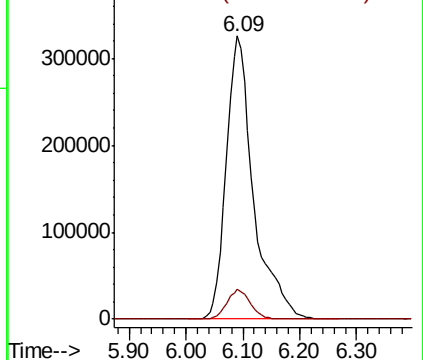
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.738 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

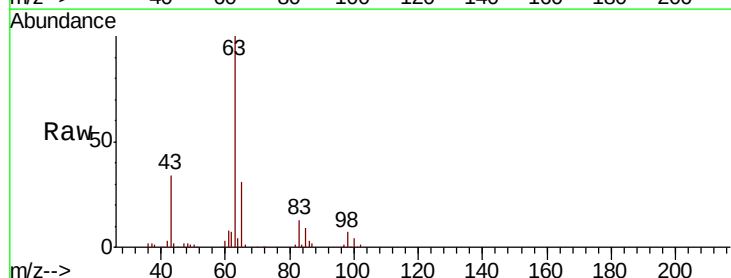
Tgt Ion: 63 Resp: 171867

Ion Ratio Lower Upper

63 100

98 7.0 4.0 11.9

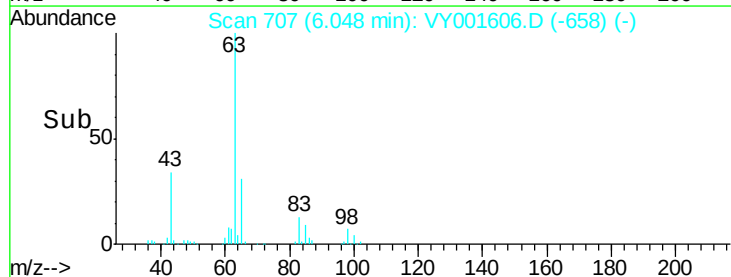
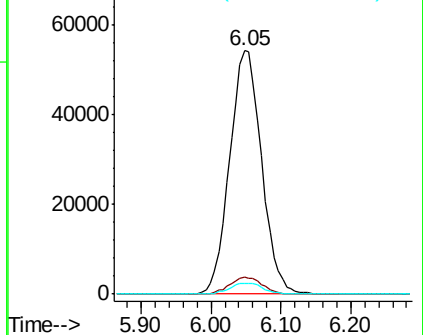
100 4.4 2.6 8.0

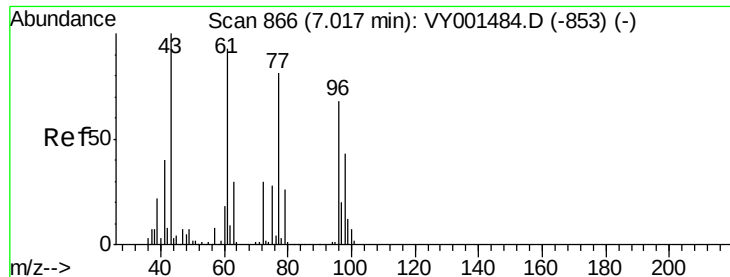


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 301.026 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 209266

Ion Ratio Lower Upper

43 100

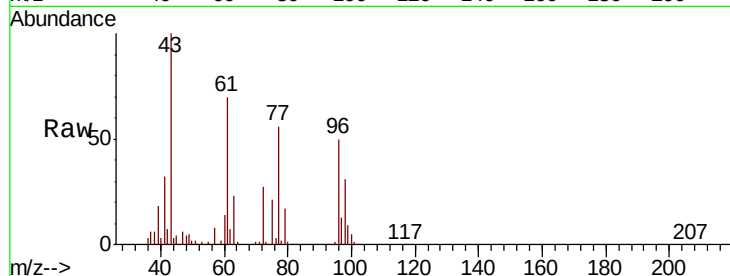
72 26.5 23.8 35.8

Manual Integrations

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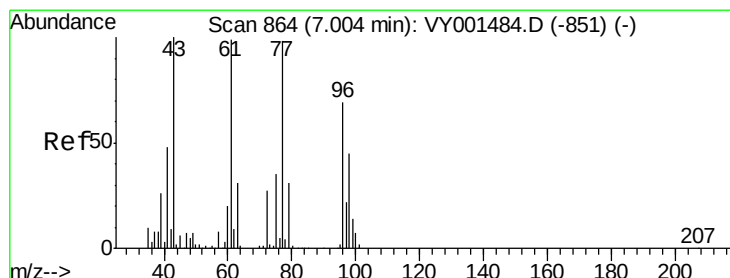
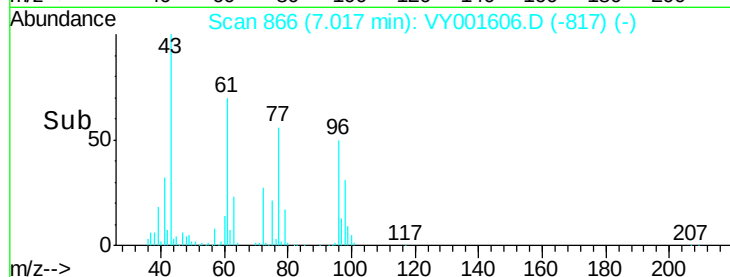
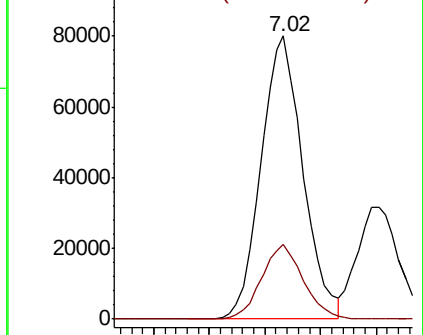
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 42.836 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001606.D

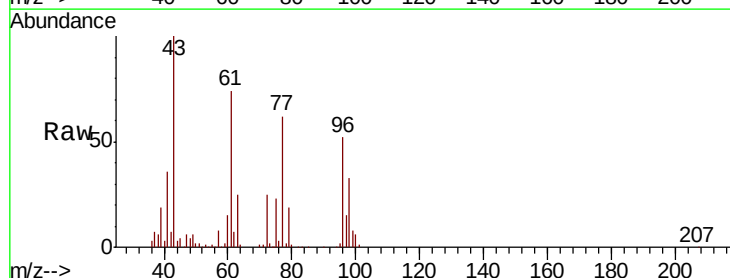
Acq: 11 Feb 2020 17:49

Tgt Ion: 77 Resp: 144568

Ion Ratio Lower Upper

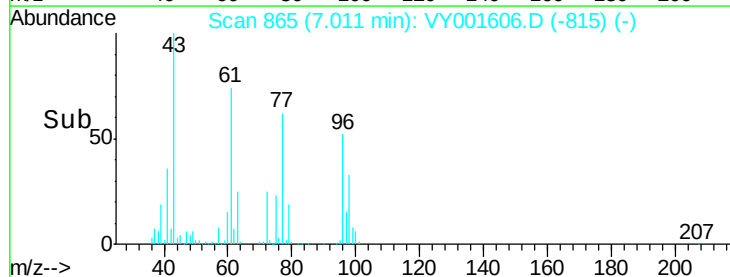
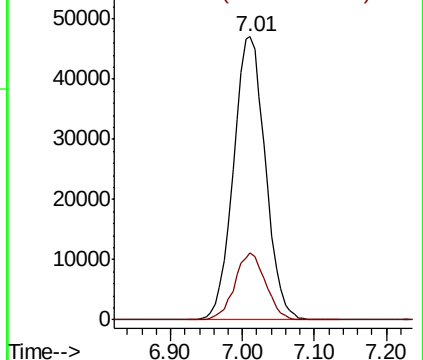
77 100

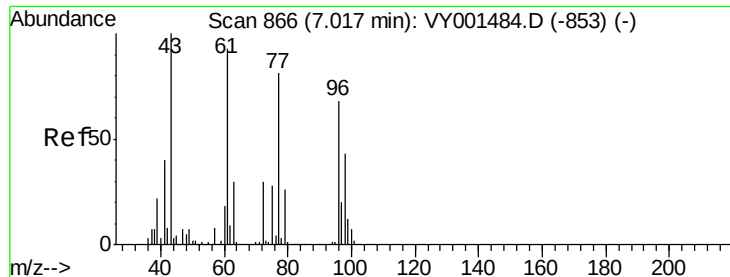
97 22.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

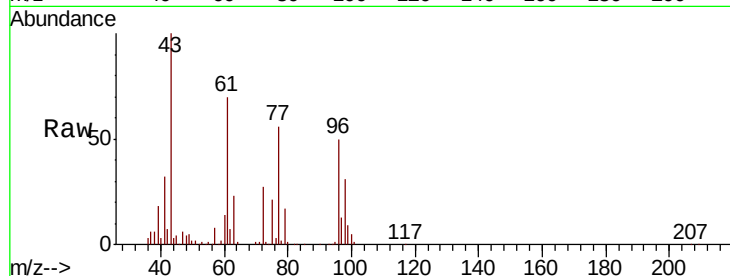
cis-1,2-Dichloroethene
Concen: 46.996 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

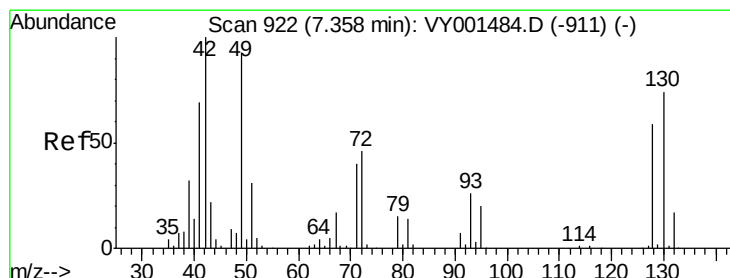
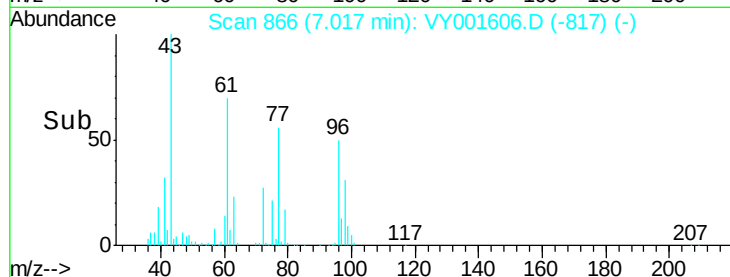
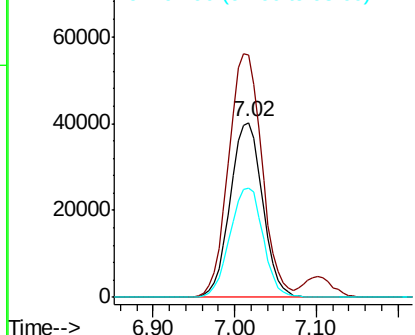
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	278.8	
98	63.9	0.0	128.8	

Manual Integrations
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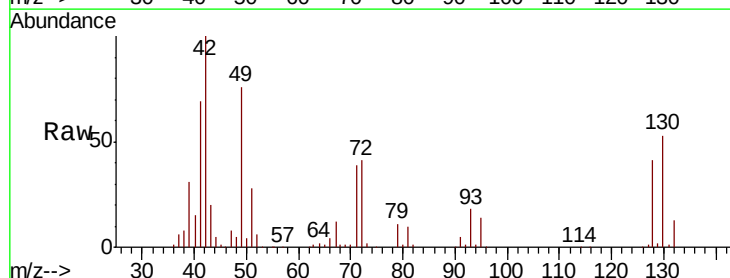
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



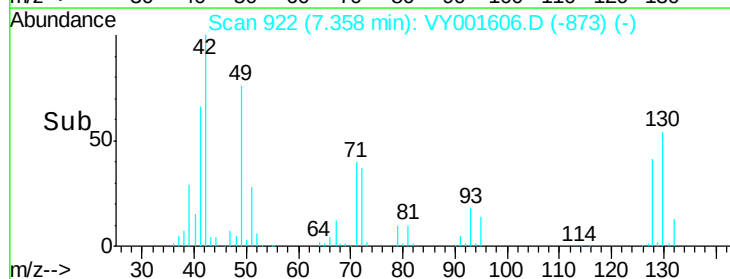
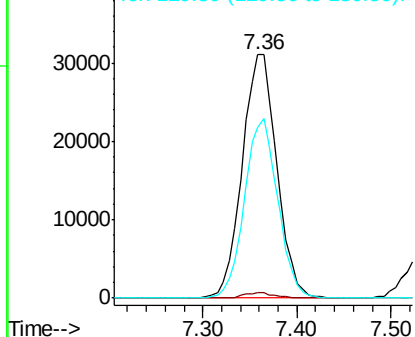
#28

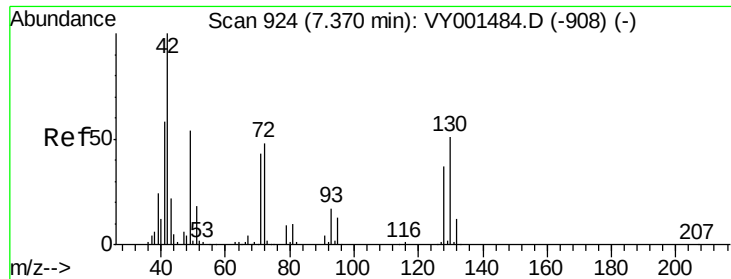
Bromochloromethane
Concen: 66.570 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.8	
130	71.1	65.4	98.2	



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





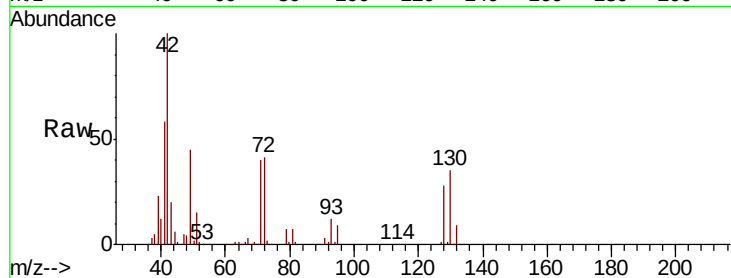
#29
Tetrahydrofuran
Concen: 359.260 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

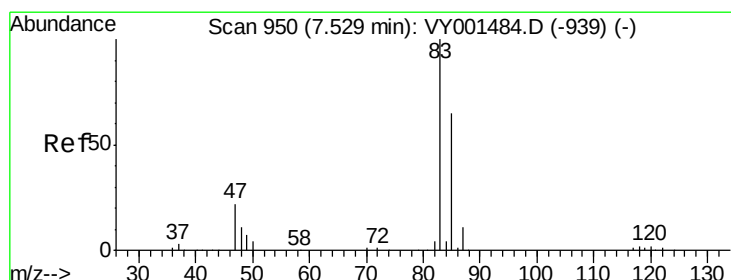
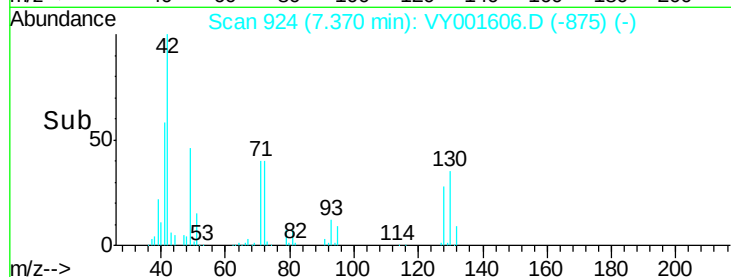
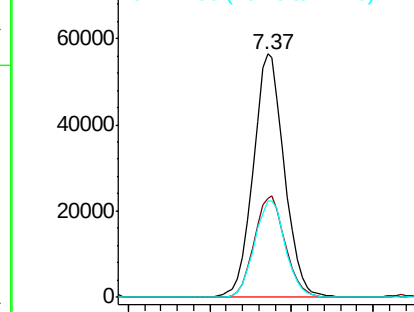
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	37.8	56.6
71	39.7	34.8	52.2

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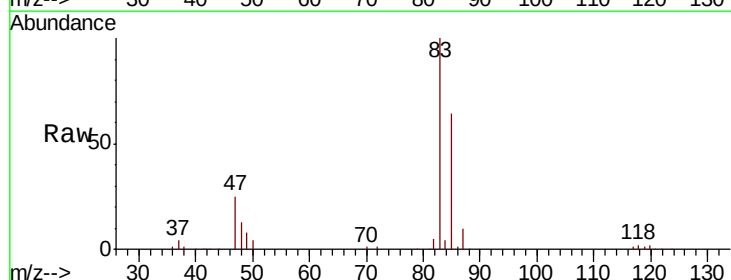


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

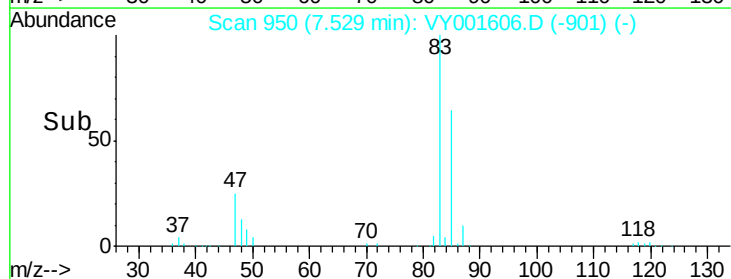
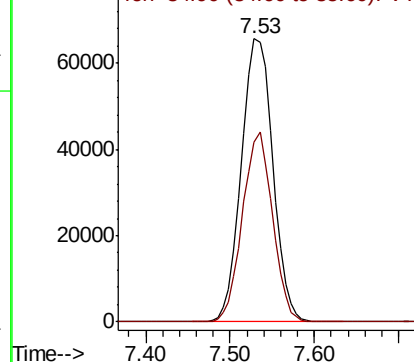


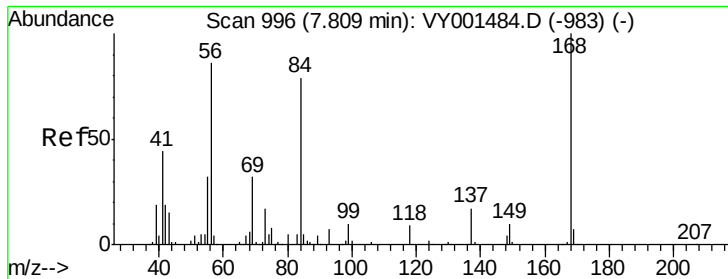
#30
Chloroform
Concen: 46.431 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





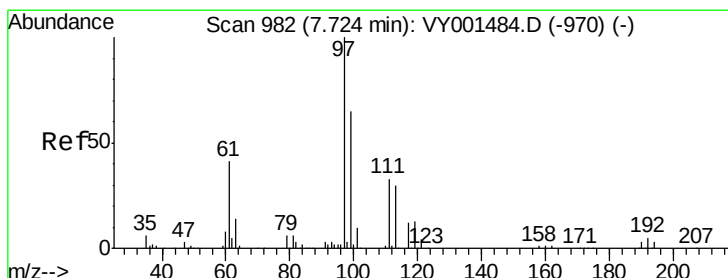
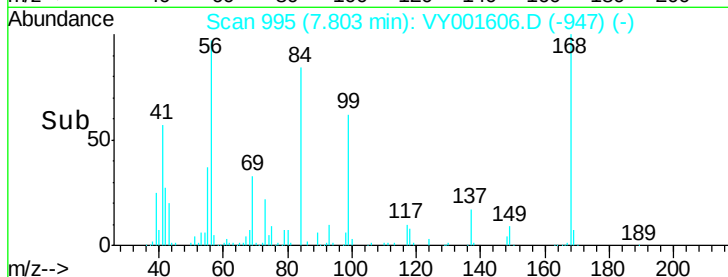
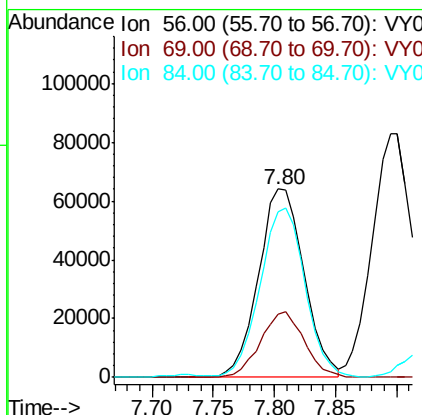
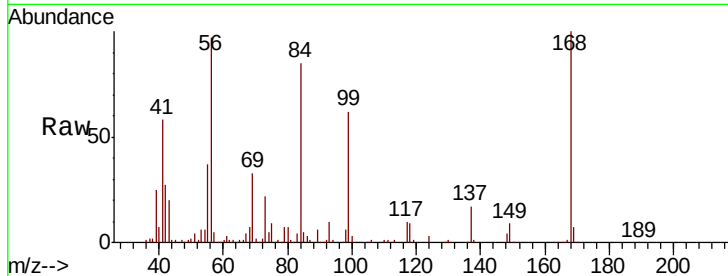
#31
Cyclohexane
Concen: 46.132 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	29.6	44.4
84	86.2	73.6	110.4

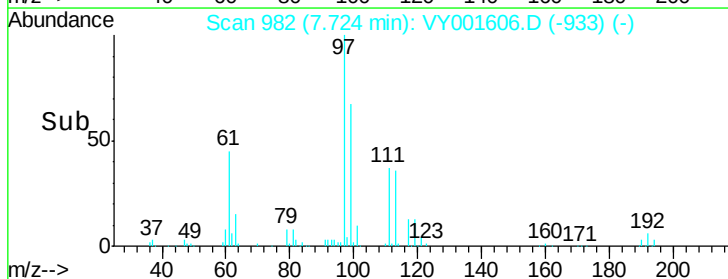
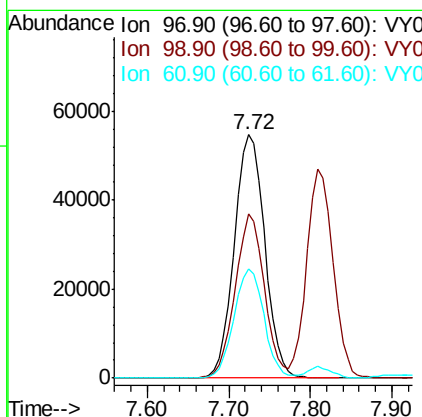
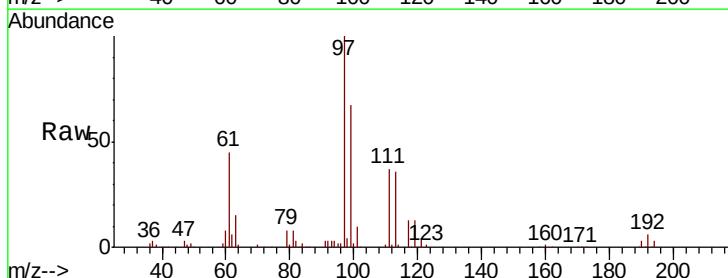
Manual Integrations
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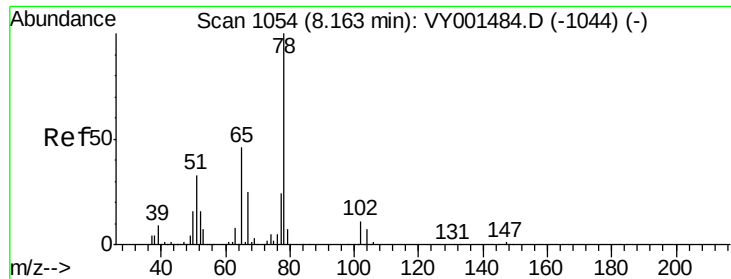
MMDadoda
2/12/2020 3:12:07 PM



#32
1,1,1-Trichloroethane
Concen: 43.672 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	44.2	32.5	48.7





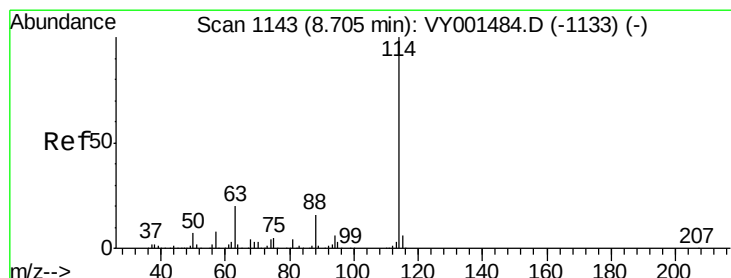
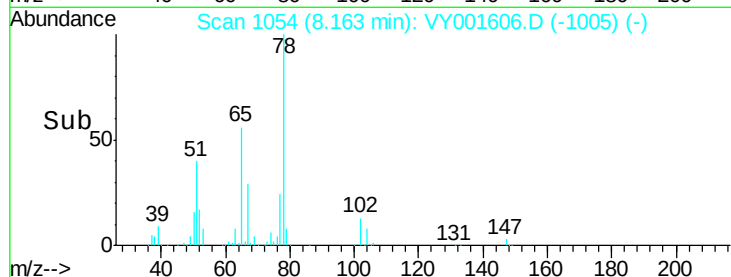
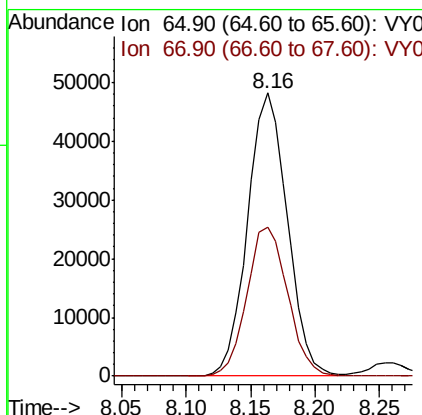
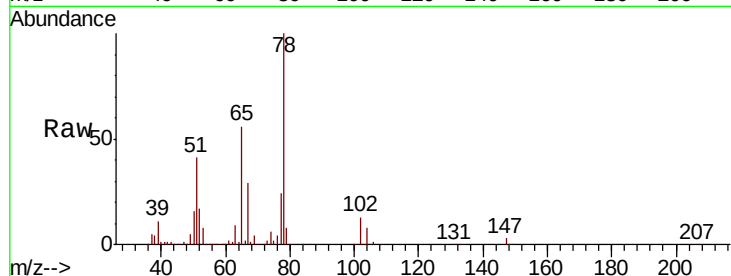
#33
 1,2-Dichloroethane-d4
 Concen: 55.543 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102891		
67	54.1	0.0	108.6	

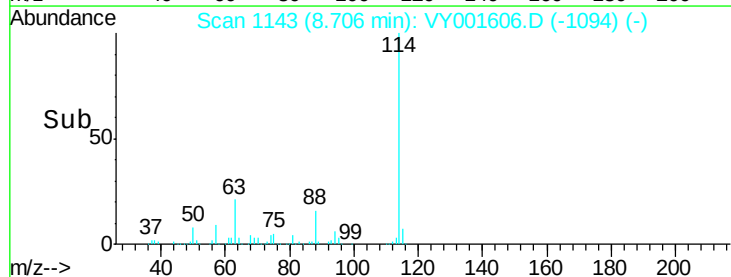
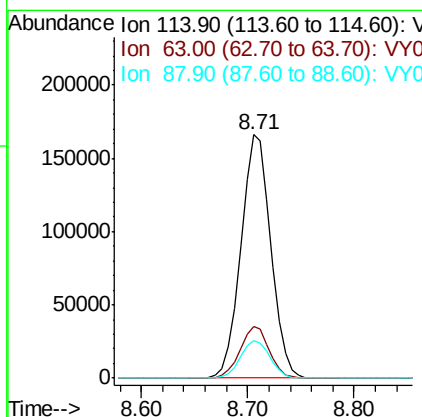
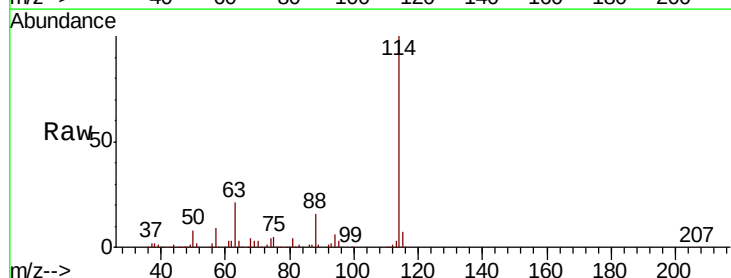
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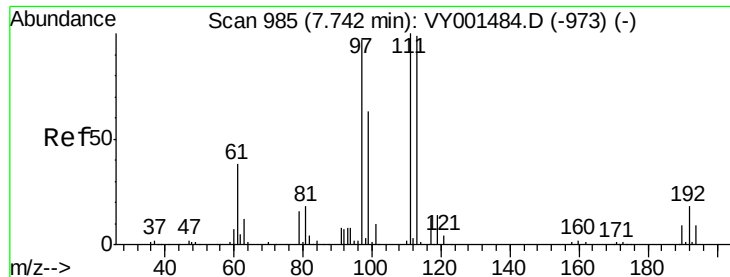
MMDadoda
 2/12/2020 3:12:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326416		
63	21.0	0.0	39.8	
88	15.6	0.0	32.6	





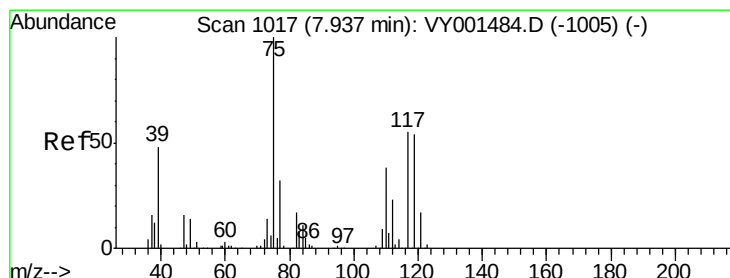
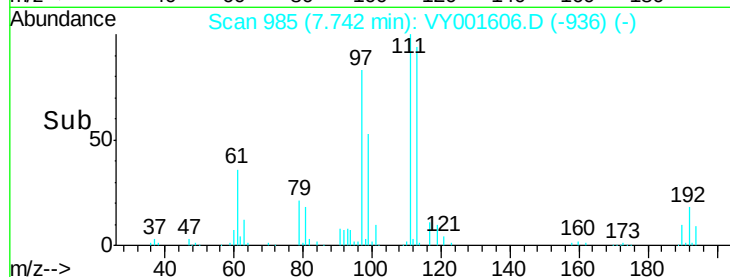
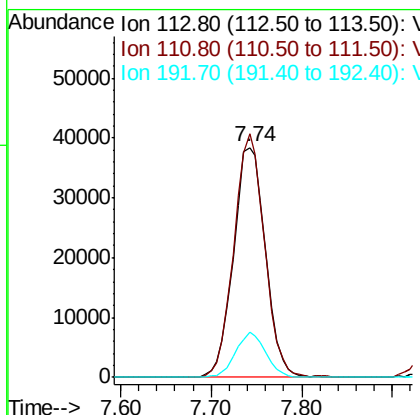
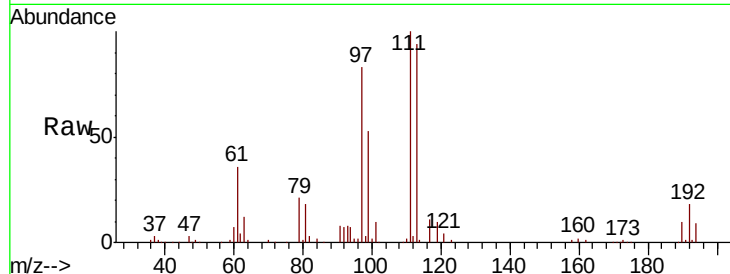
#35
 Dibromofluoromethane
 Concen: 49.927 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	18.4	14.6	22.0

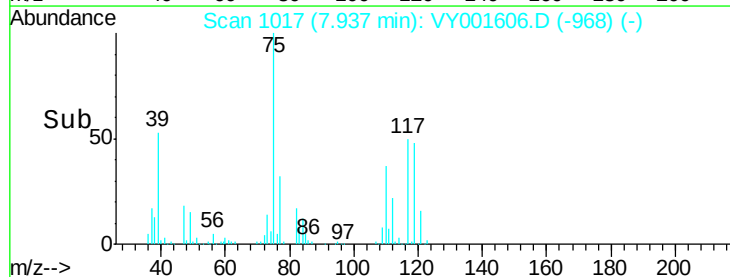
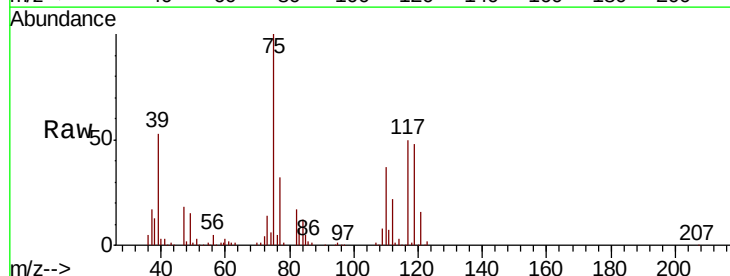
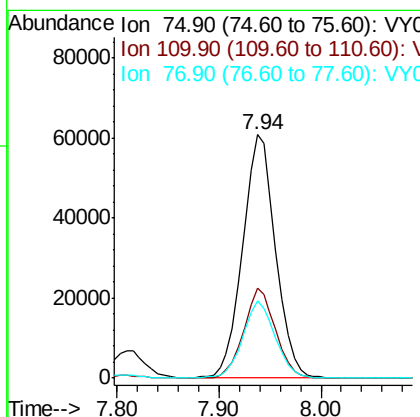
Manual Integrations
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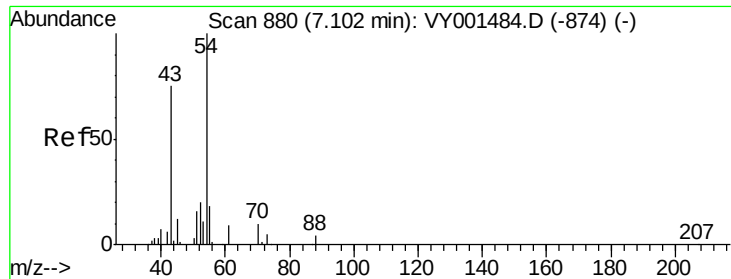
MMDadoda
 2/12/2020 3:12:07 PM



#36
 1,1-Dichloropropene
 Concen: 45.669 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.2	54.6
77	31.4	25.0	37.4





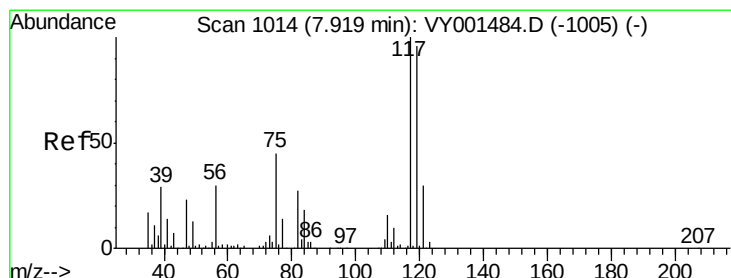
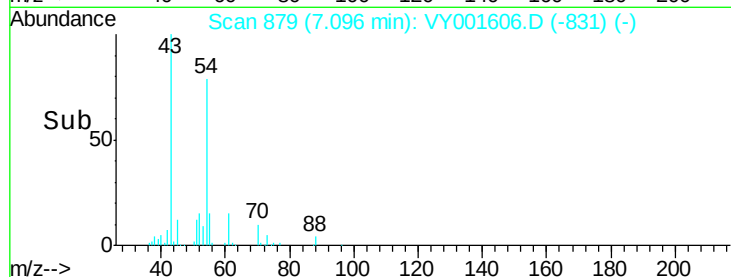
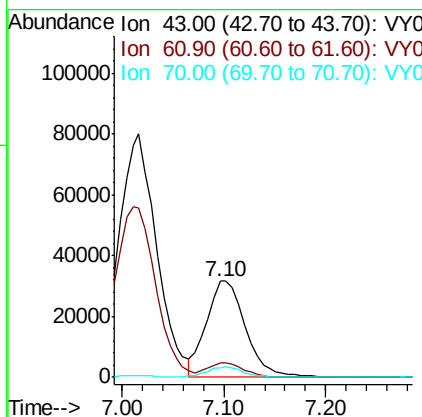
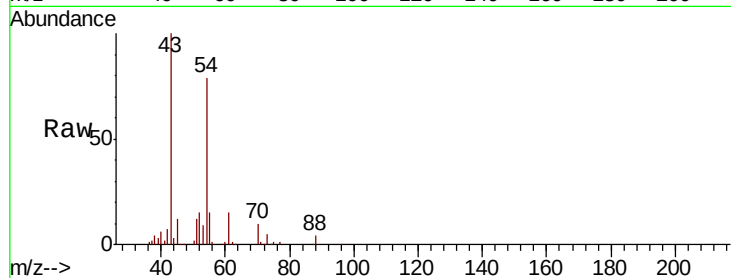
#37
Ethyl Acetate
Concen: 58.299 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.0	18.0
70	10.5	10.2	15.4

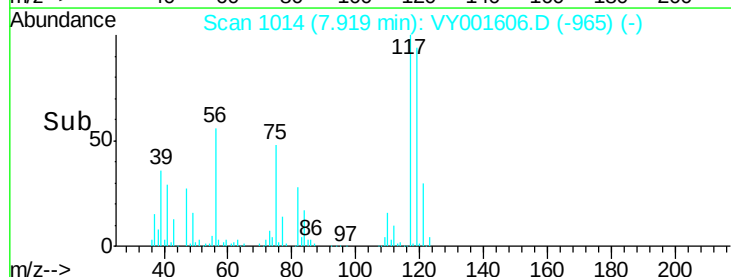
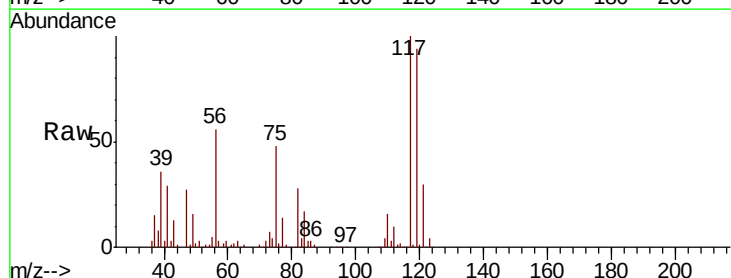
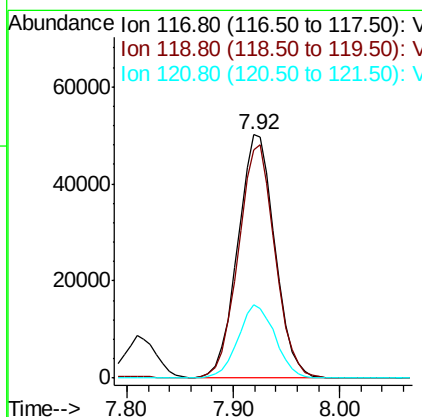
Manual Integrations
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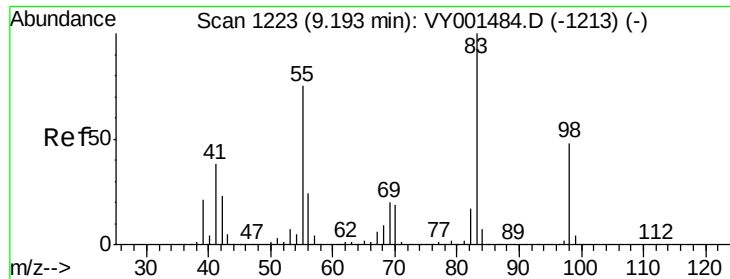
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#38
Carbon Tetrachloride
Concen: 42.414 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.4	114.6
121	30.0	24.2	36.4





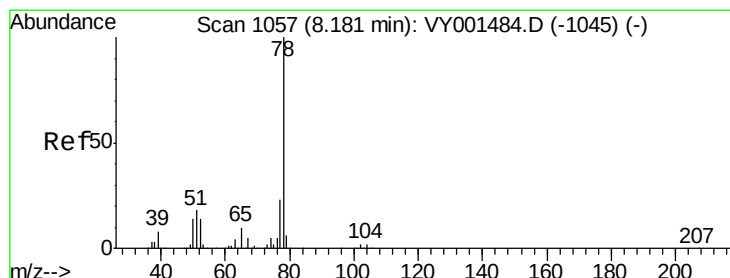
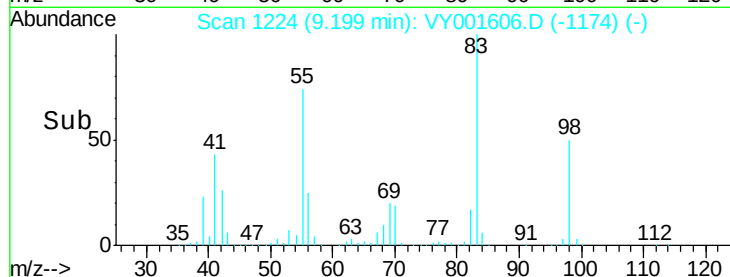
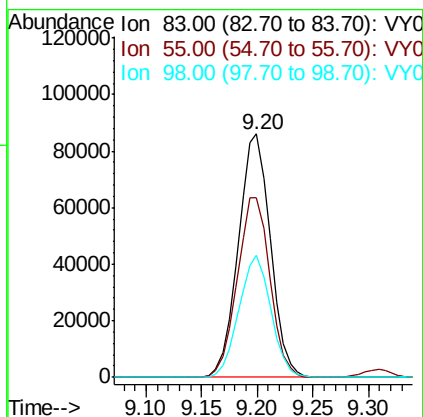
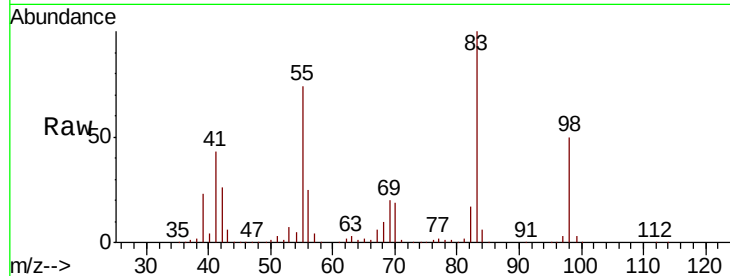
#39
Methylvlcyclohexane
Concen: 43.876 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	172514		
55	73.9		59.8	89.6
98	50.1		38.6	57.8

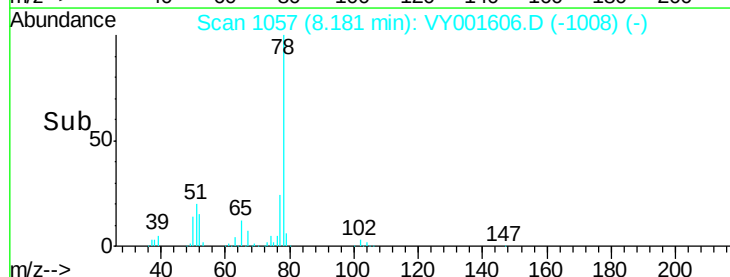
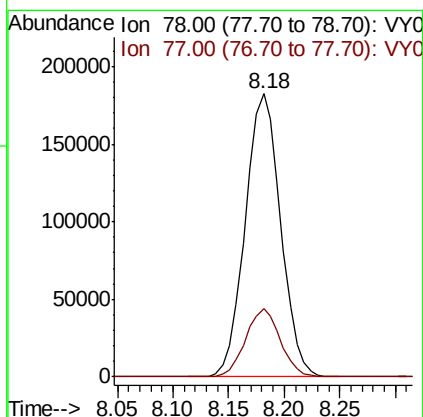
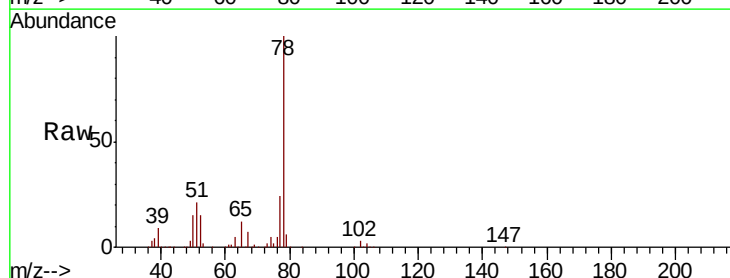
Manual Integrations
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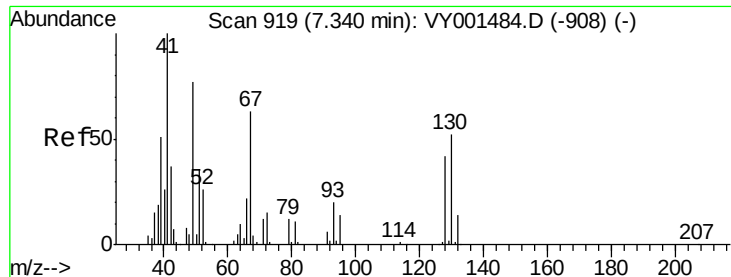
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#40
Benzene
Concen: 47.462 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	404245		
77	24.1		18.5	27.7





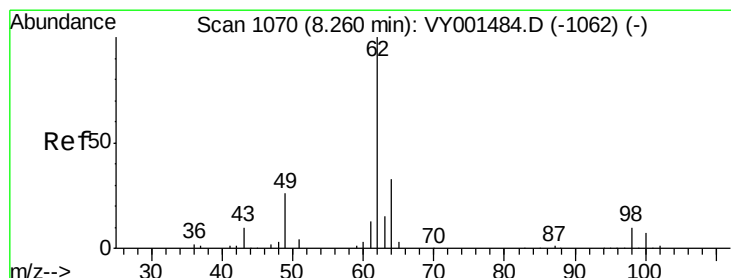
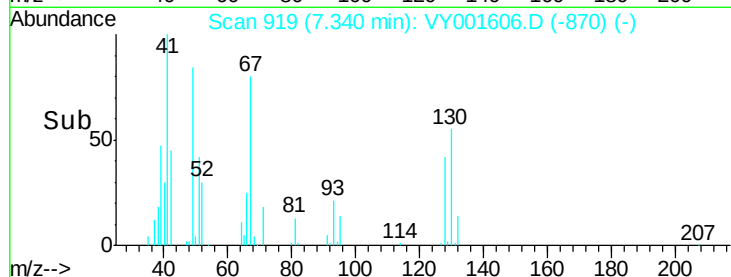
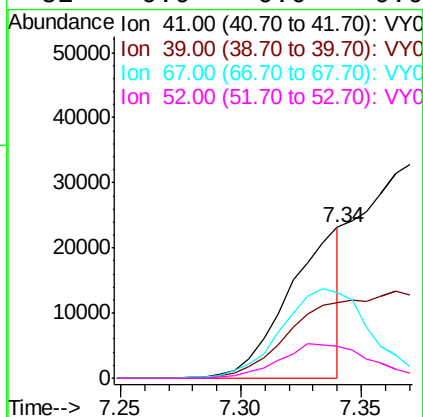
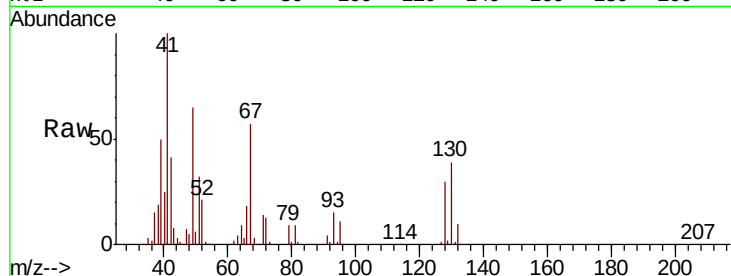
#41
Methacrylonitrile
Concen: 53.338 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	35735
Ion	Ratio	Lower	Upper
41	100		
39	161.1	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

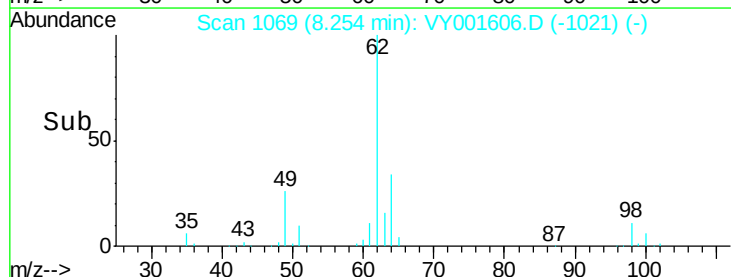
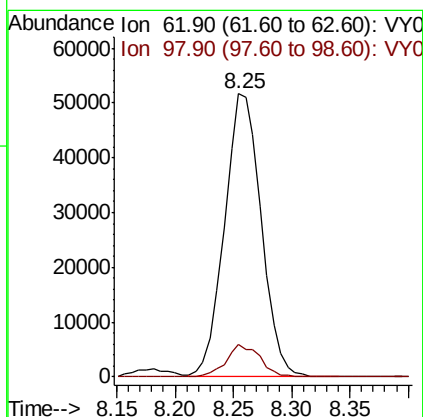
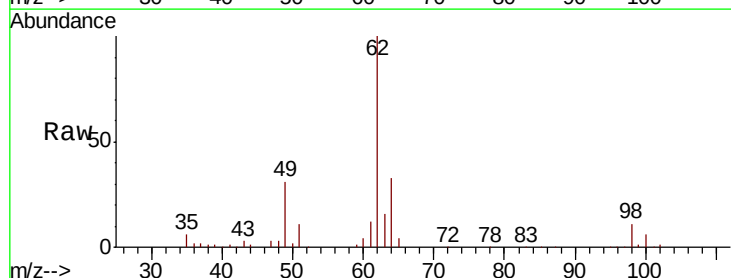
Manual Integrations
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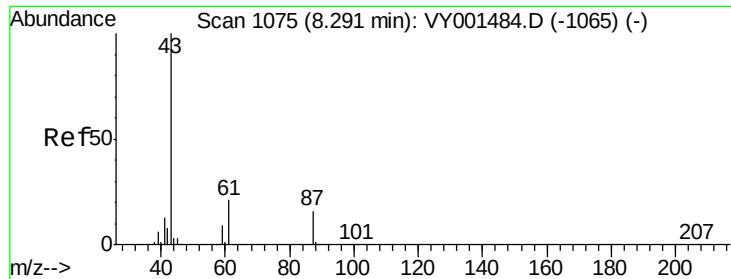
MMDadoda
2/12/2020 3:12:07 PM



#42
1,2-Dichloroethane
Concen: 47.709 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	62	Resp	113208
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





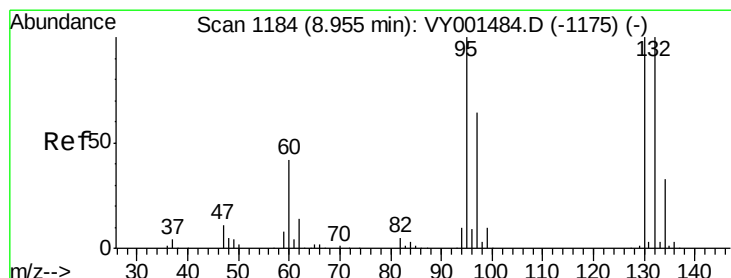
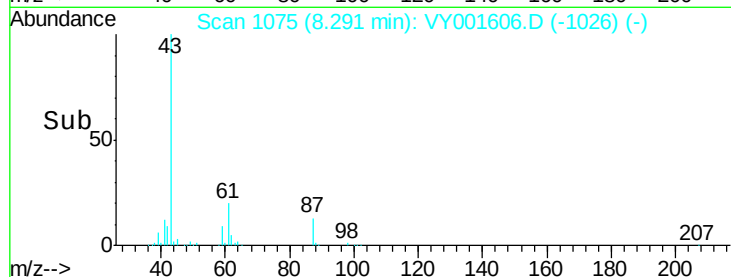
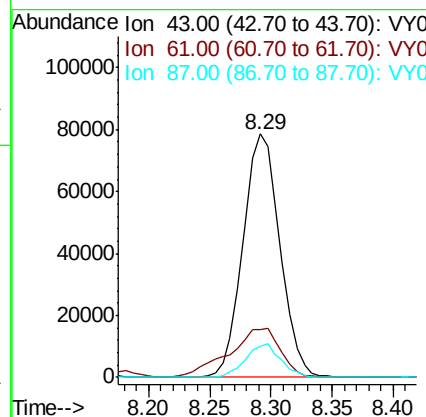
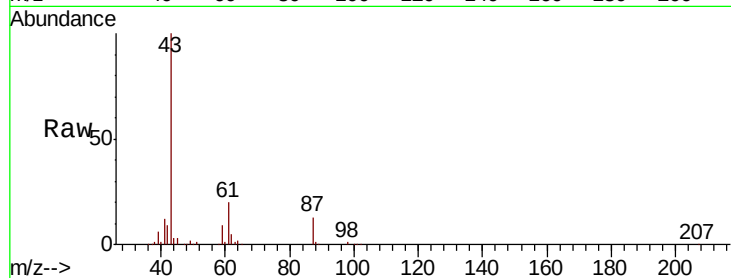
#43
Isopropyl Acetate
Concen: 57.522 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	25.1	37.7
87	13.3	12.6	19.0

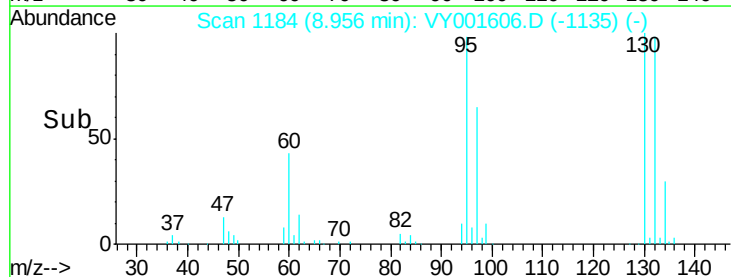
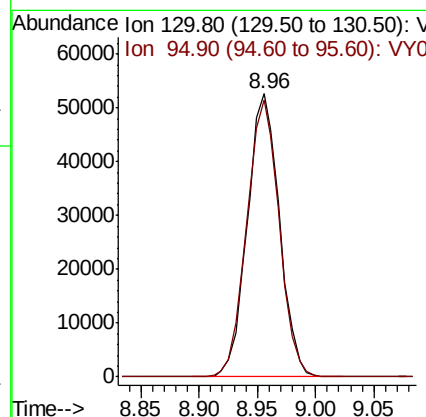
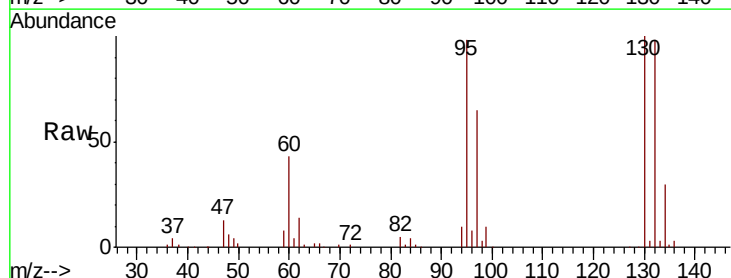
Manual Integrations
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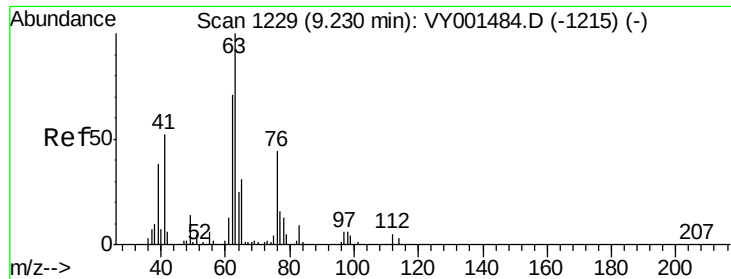
MMDadoda
2/12/2020 3:12:07 PM



#44
Trichloroethene
Concen: 44.069 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	199.2





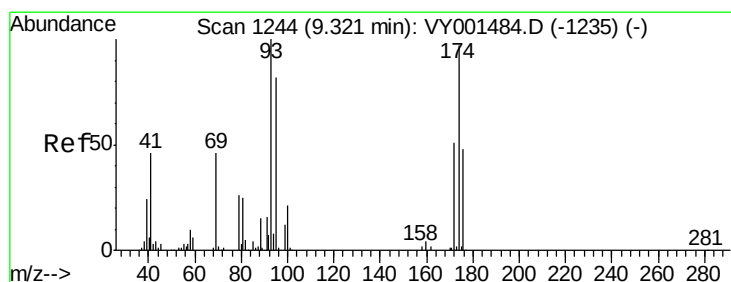
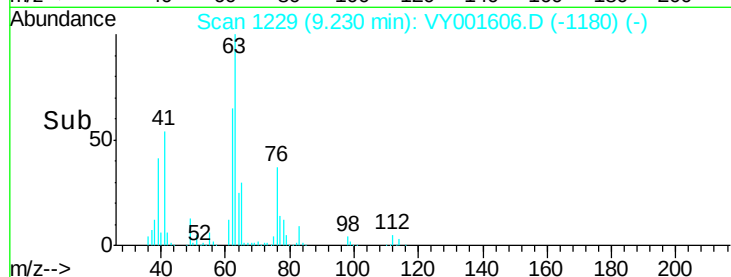
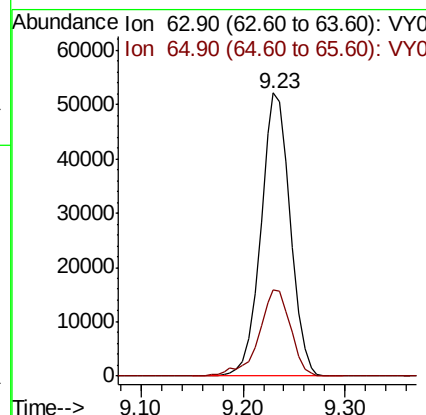
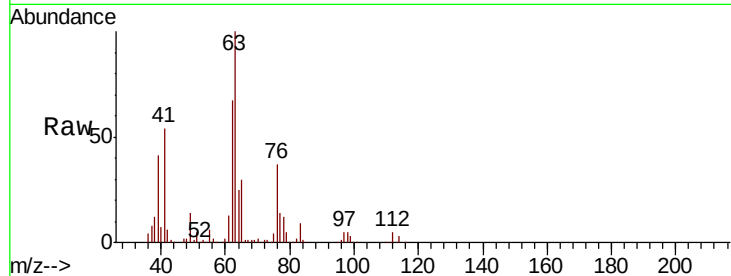
#45
 1,2-Dichloropropane
 Concen: 50.742 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

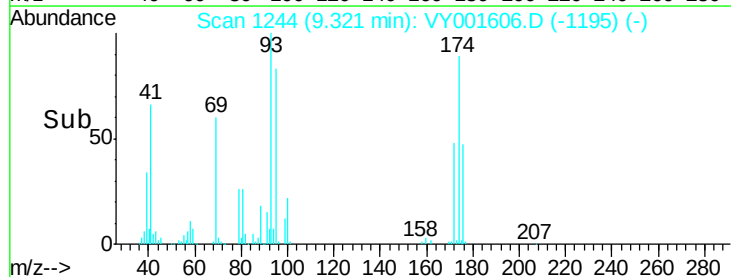
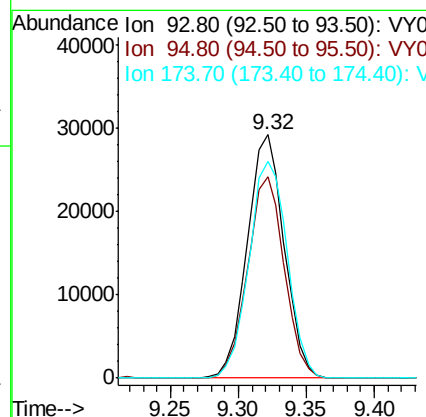
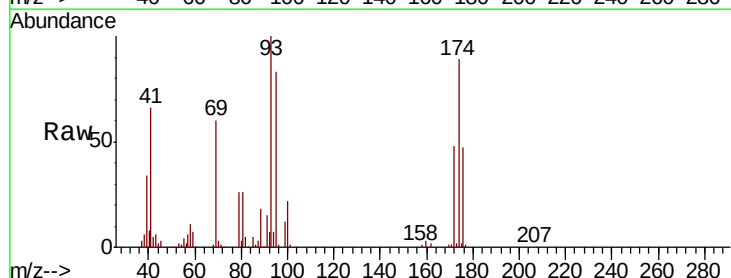
Manual Integrations
 APPROVED

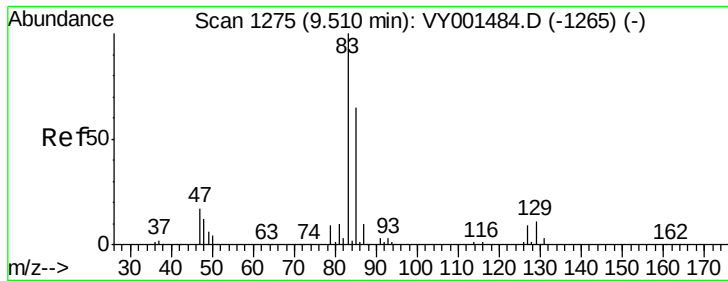
MMDadoda
 2/12/2020 3:12:07 PM



#46
 Dibromomethane
 Concen: 48.124 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.6	99.8
174	92.7	75.4	113.2





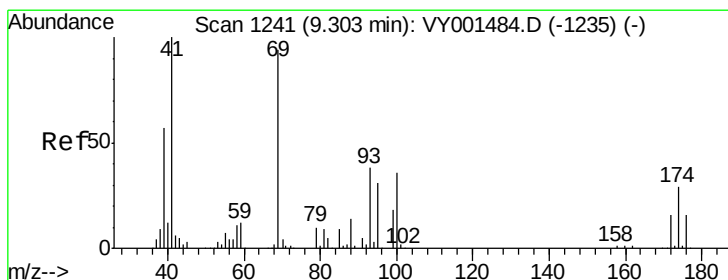
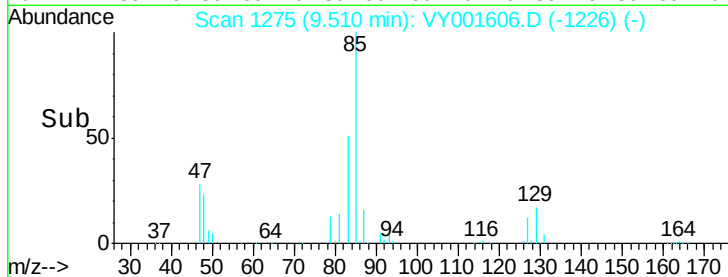
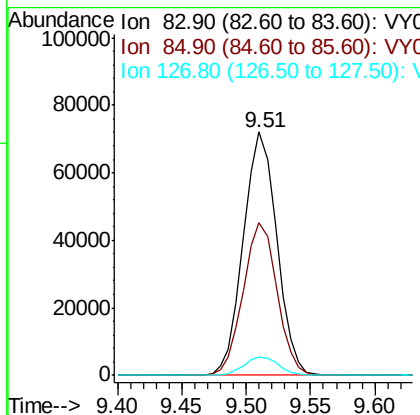
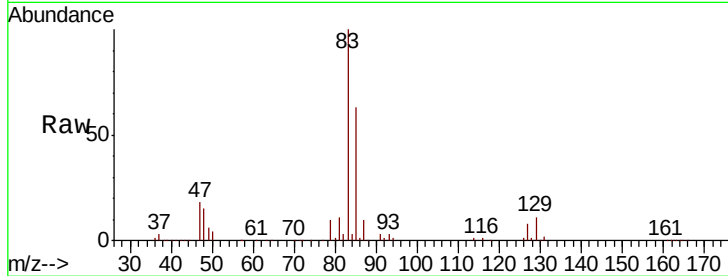
#47
 Bromodichloromethane
 Concen: 46.156 ug/l
 RT: 9.51 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129881		
85	62.5	51.9	77.9	
127	7.7	6.9	10.3	

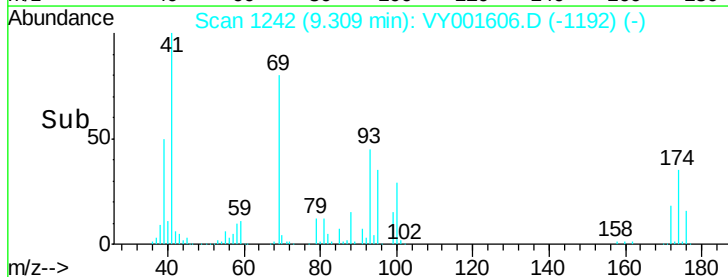
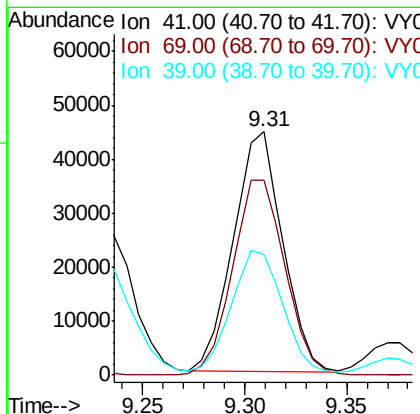
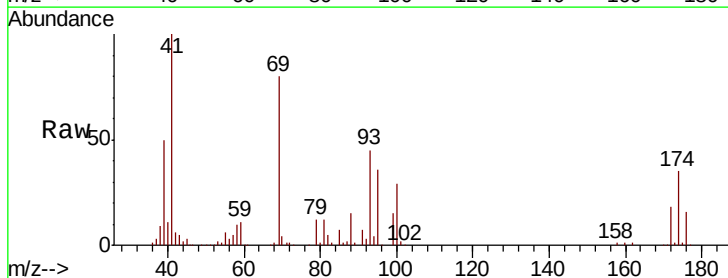
Manual Integrations
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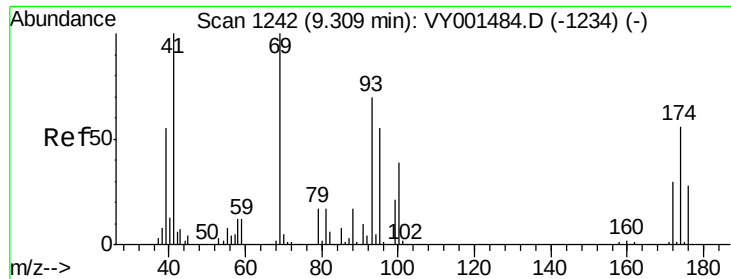
MMDadoda
 2/12/2020 3:12:07 PM



#48
 Methyl methacrylate
 Concen: 57.670 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	74914		
69	86.7	76.6	114.8	
39	52.4	45.4	68.0	





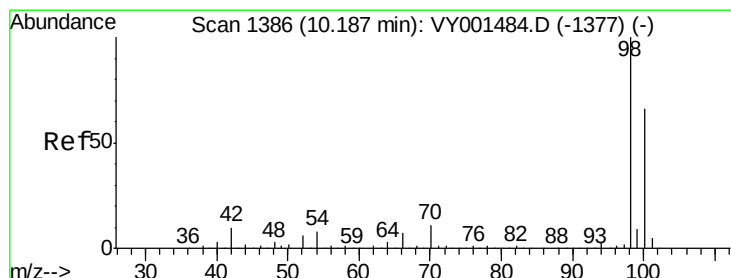
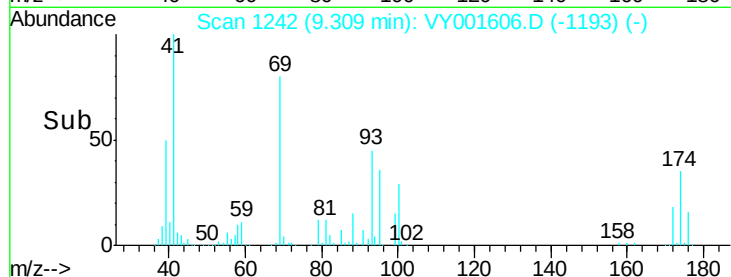
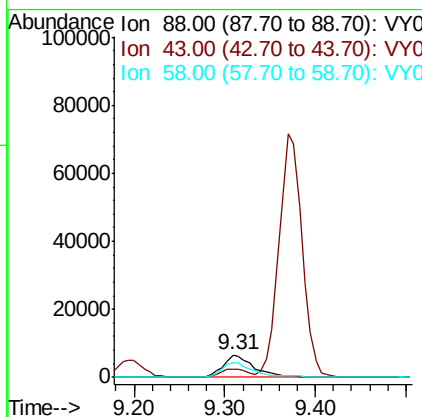
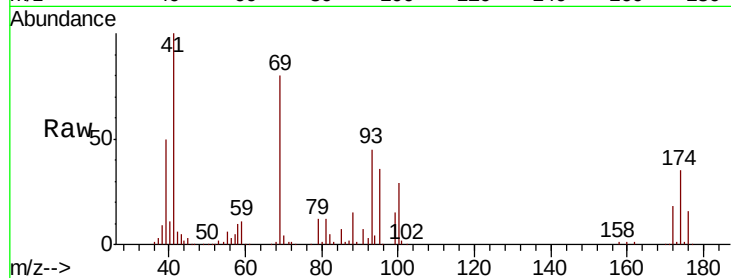
#49
1,4-Dioxane
Concen: 1036.639 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.8	37.2
58	65.1	59.3	88.9

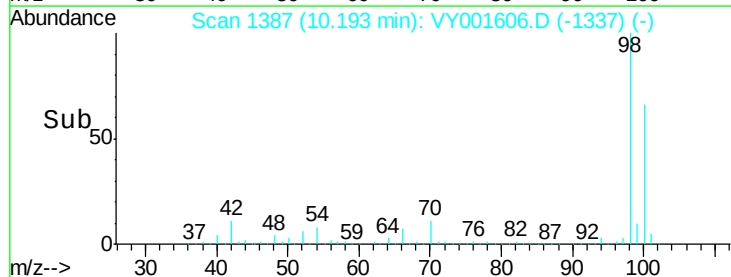
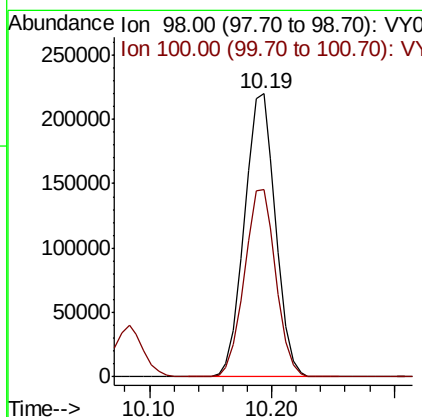
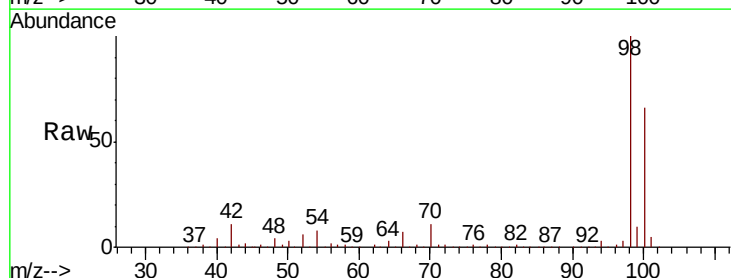
Manual Integrations
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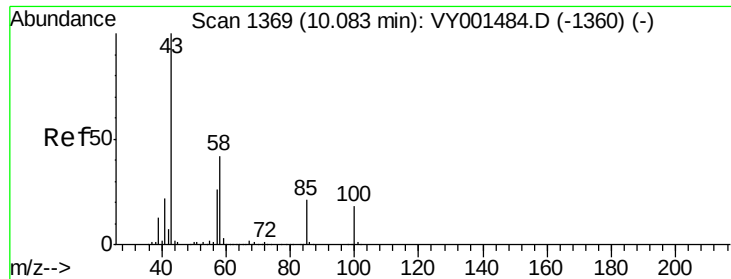
MMDadoda
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#50
Toluene-d8
Concen: 54.405 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.6





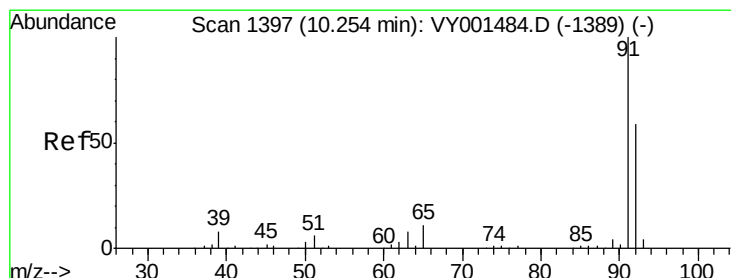
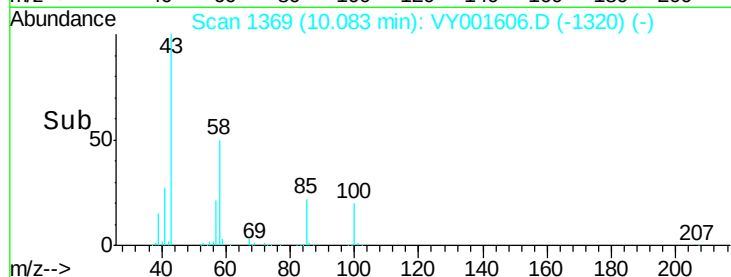
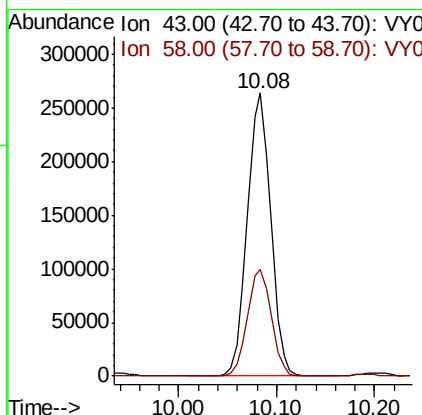
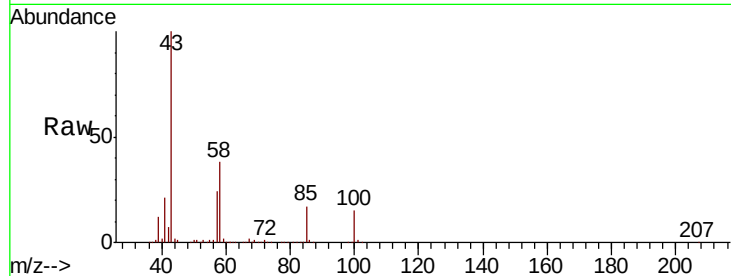
#51
4-Methyl-2-Pentanone
Concen: 312.172 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 440011
Ion Ratio Lower Upper
43 100
58 38.6 33.9 50.9

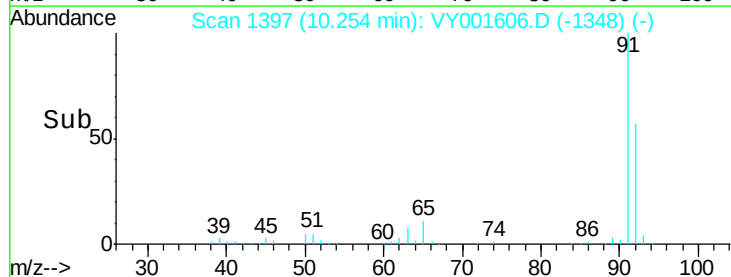
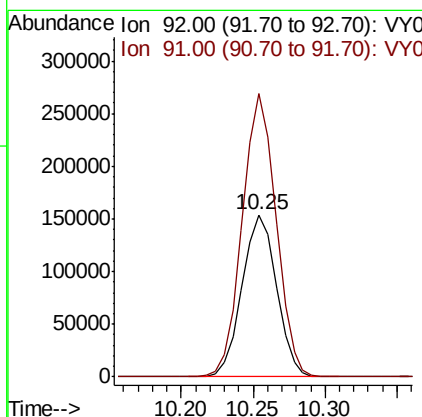
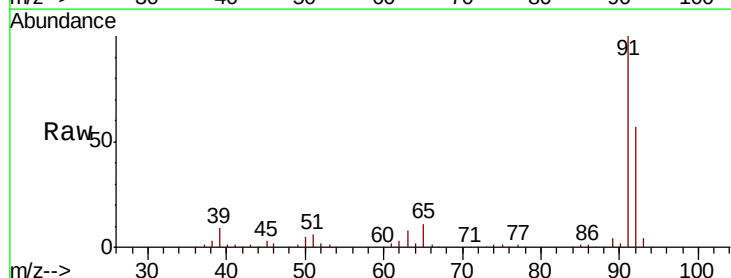
Manual Integrations
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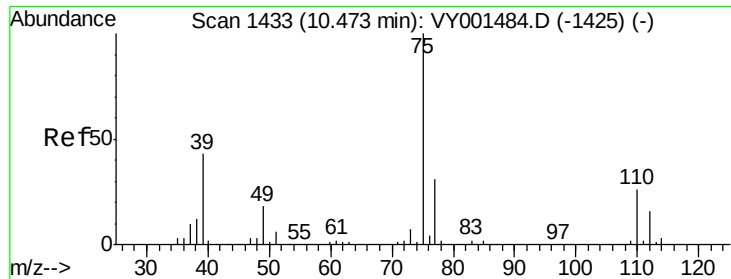
MMDadoda
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#52
Toluene
Concen: 47.249 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion: 92 Resp: 255347
Ion Ratio Lower Upper
92 100
91 171.6 136.6 204.8





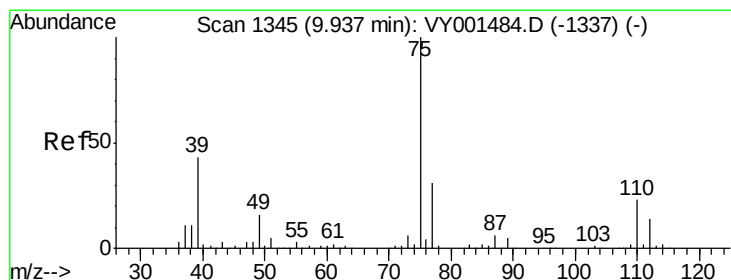
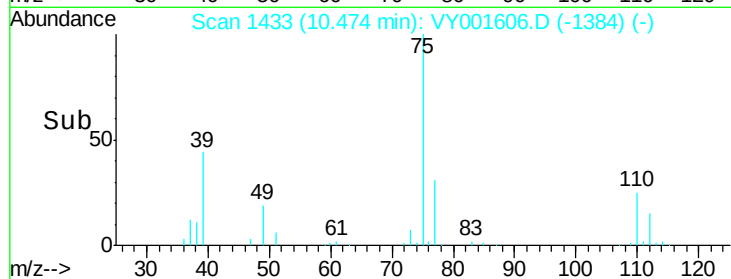
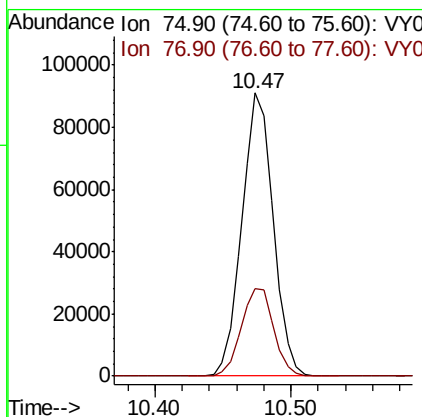
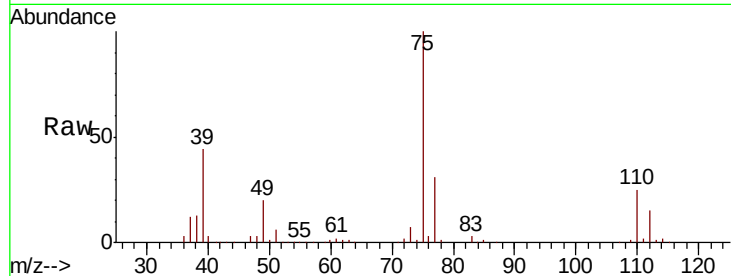
#53
t-1,3-Dichloropropene
Concen: 47.914 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 146851
Ion Ratio Lower Upper
75 100
77 31.2 24.9 37.3

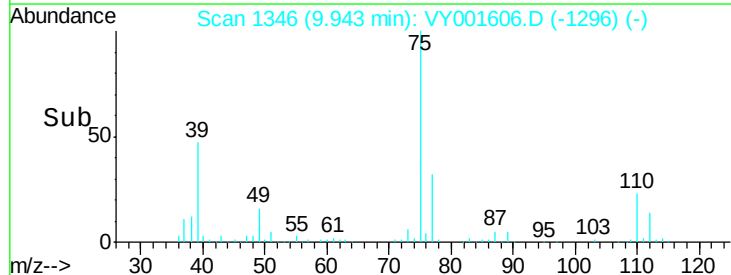
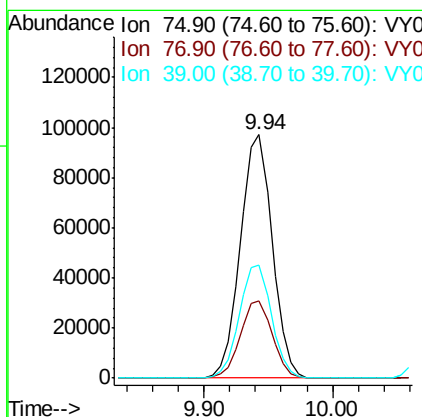
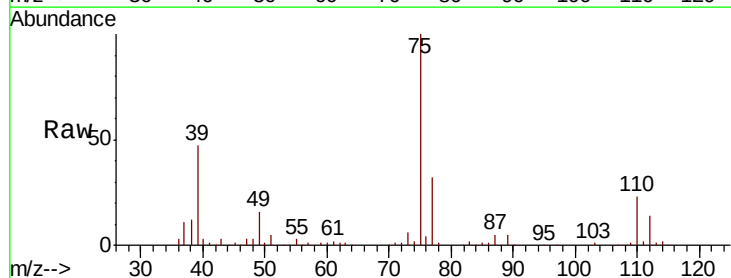
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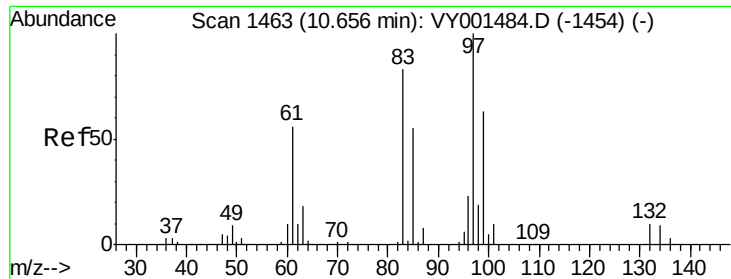
MMDadoda
2/12/2020 3:12:07 PM



#54
cis-1,3-Dichloropropene
Concen: 47.267 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion: 75 Resp: 166316
Ion Ratio Lower Upper
75 100
77 31.6 24.7 37.1
39 46.6 34.0 51.0





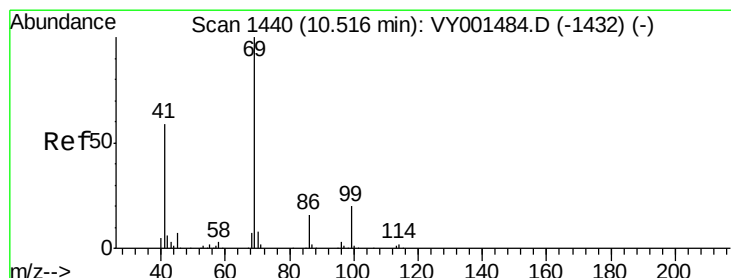
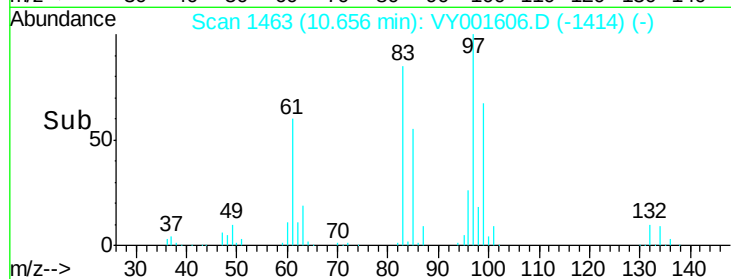
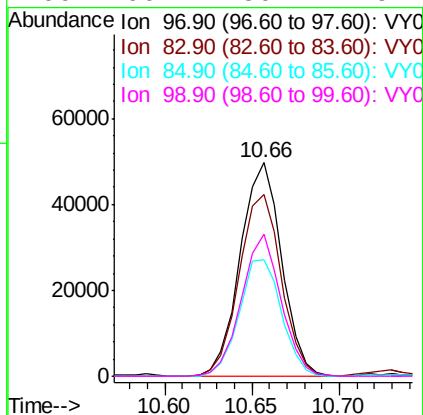
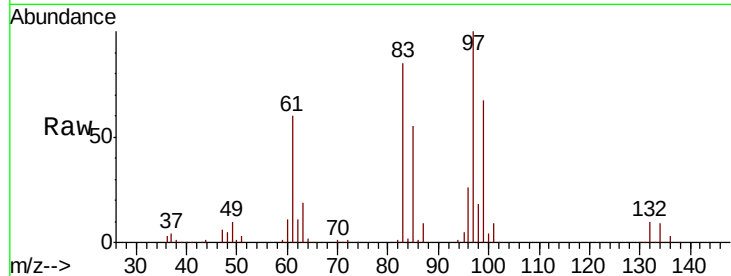
#55
 1,1,2-Trichloroethane
 Concen: 49.204 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	81530
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.2	99.2
85	54.8	43.8	65.6
99	66.7	50.1	75.1

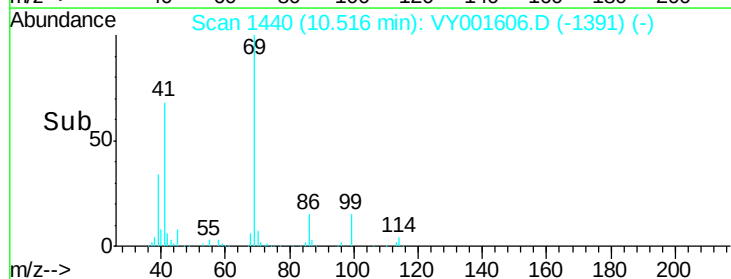
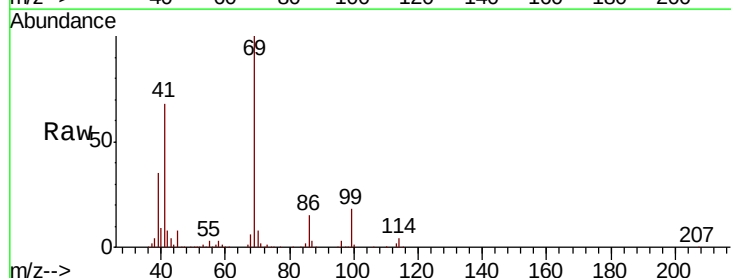
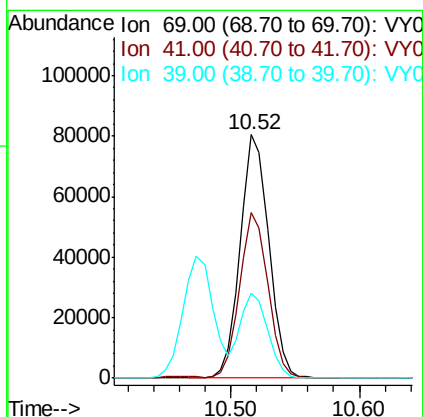
Manual Integrations
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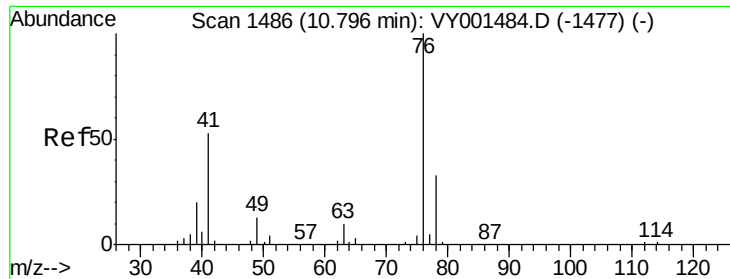
MMDadoda
 2/12/2020 3:12:07 PM



#56
 Ethyl methacrylate
 Concen: 52.418 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion:	69	Resp:	123538
Ion	Ratio	Lower	Upper
69	100		
41	67.4	47.8	71.8
39	33.8	24.4	36.6





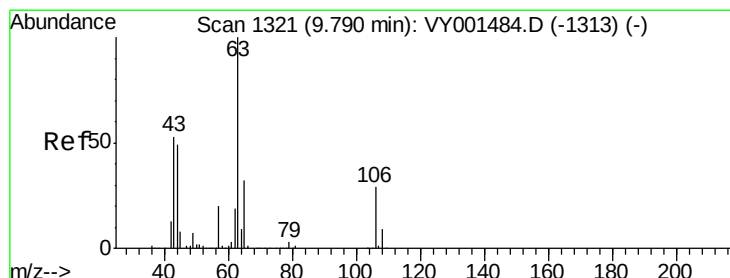
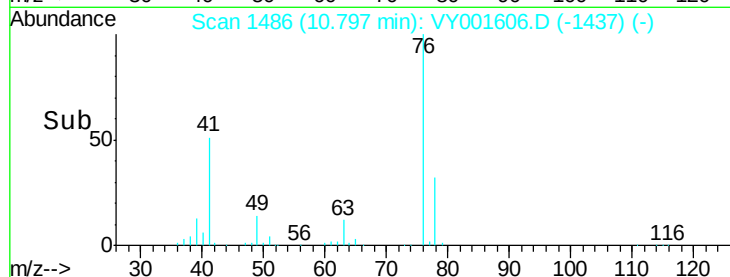
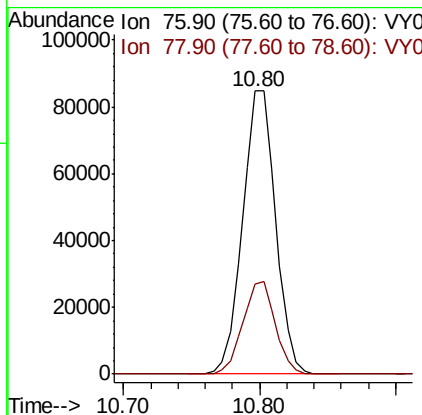
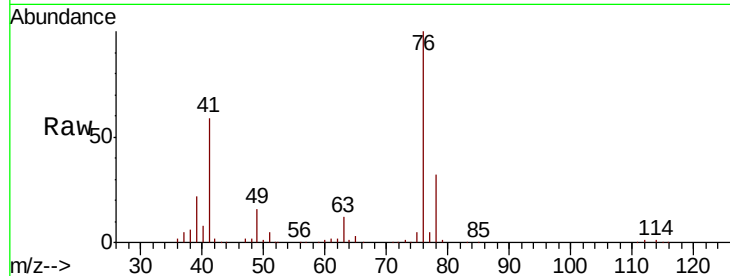
#57
 1,3-Dichloropropane
 Concen: 49.229 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 143792
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

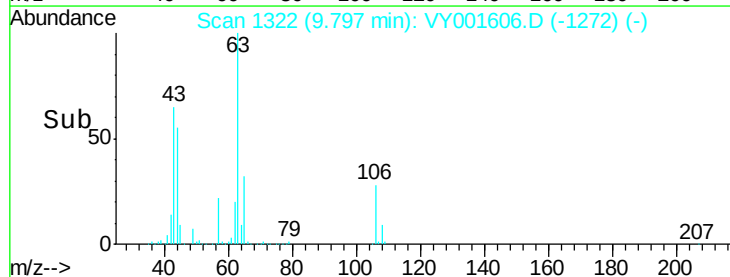
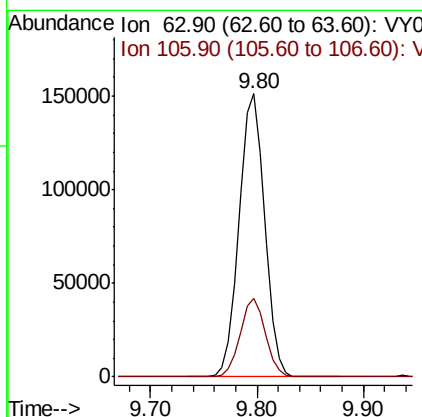
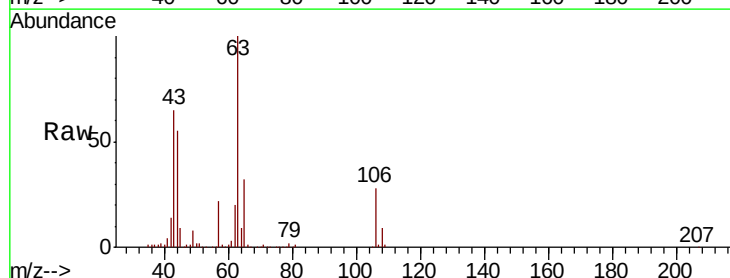
Manual Integrations
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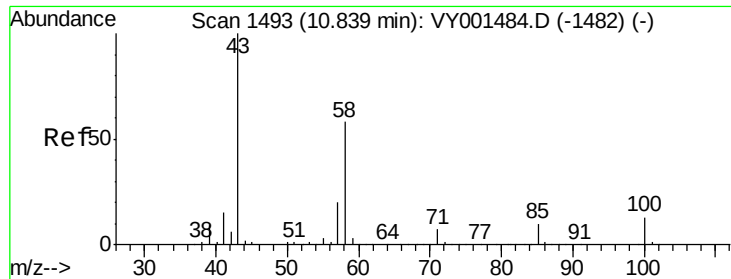
MMDadoda
 2/12/2020 3:12:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.641 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion: 63 Resp: 255455
 Ion Ratio Lower Upper
 63 100
 106 27.4 24.0 36.0





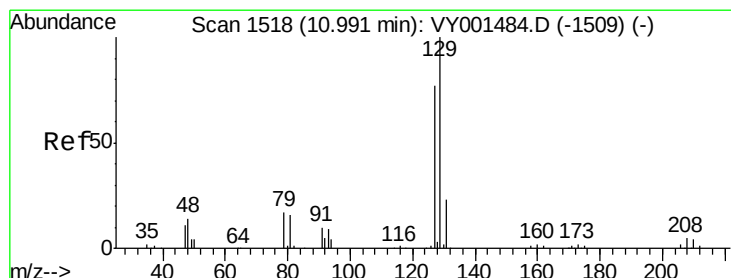
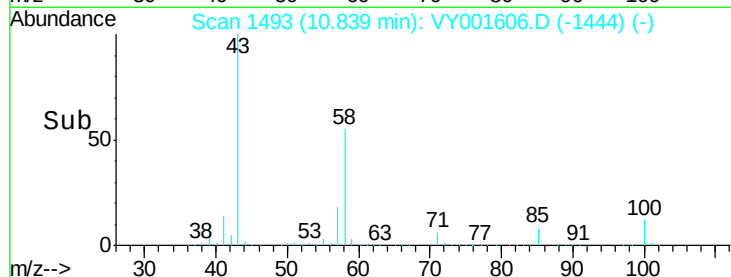
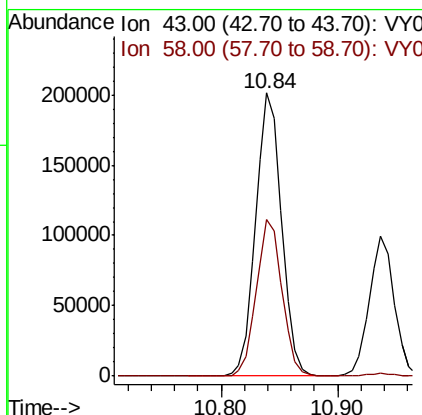
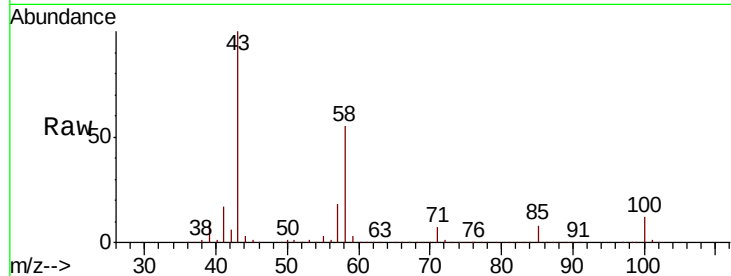
#59
2-Hexanone
Concen: 305.711 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 313305
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

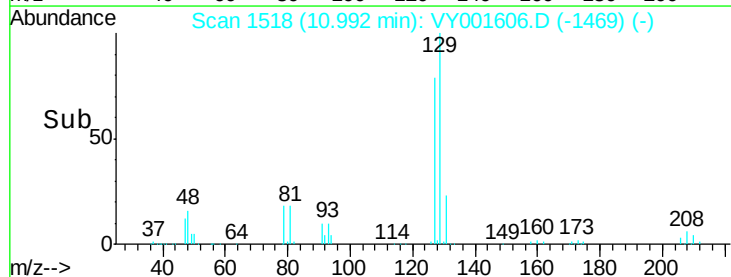
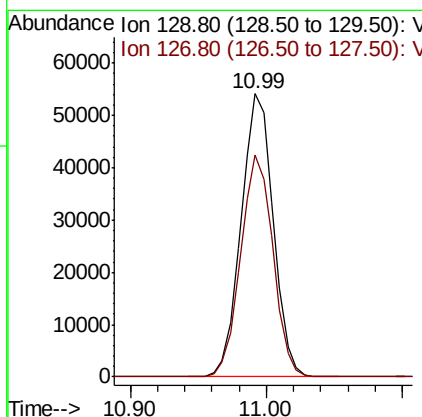
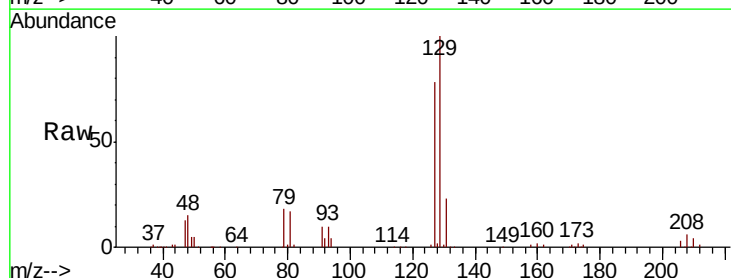
Manual Integrations
APPROVED

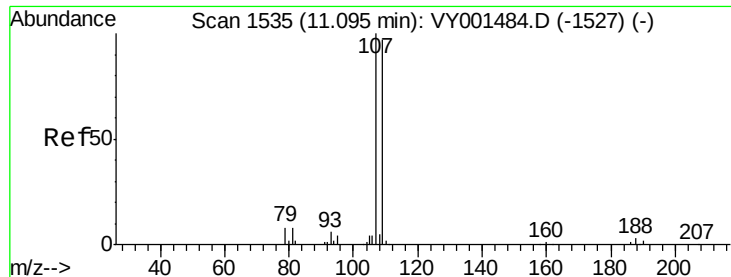
MMDadoda
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#60
Dibromochloromethane
Concen: 45.811 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion: 129 Resp: 89478
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.6





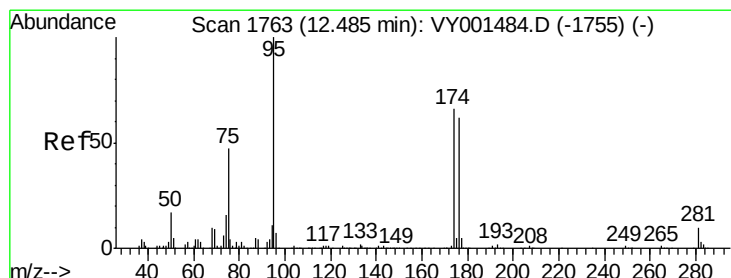
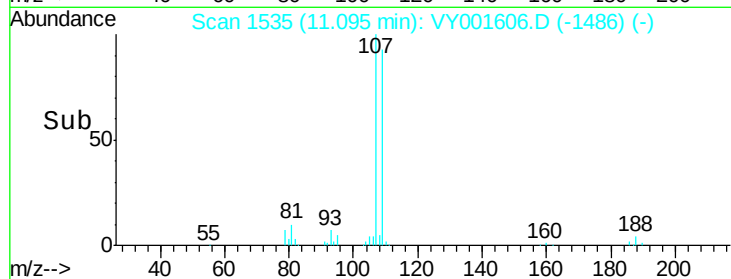
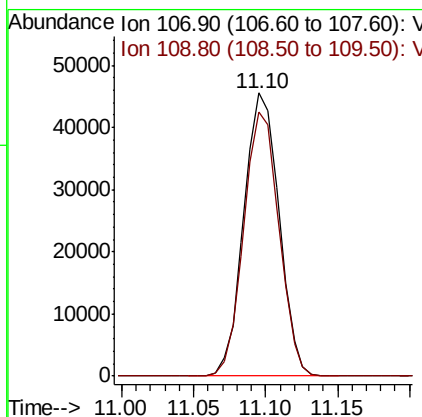
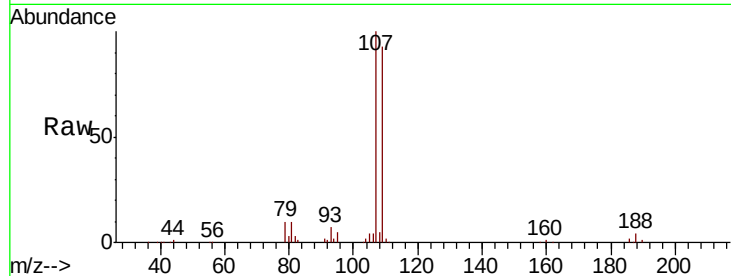
#61
 1,2-Dibromoethane
 Concen: 47.306 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.2	114.2

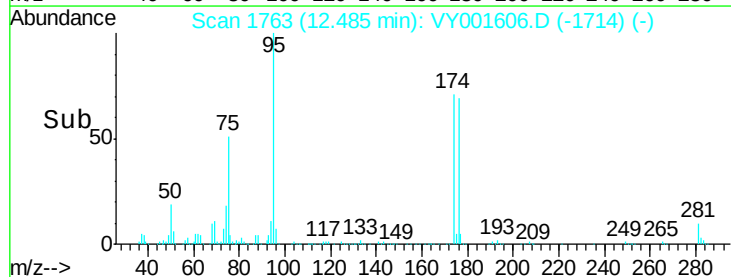
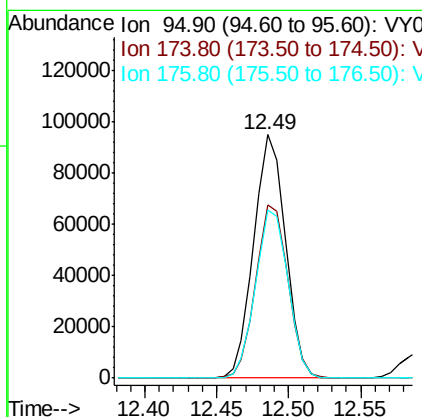
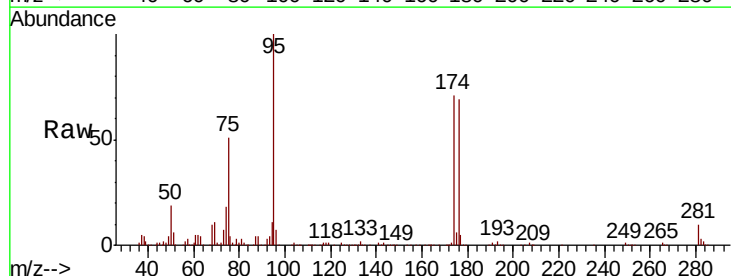
Manual Integrations
 APPROVED

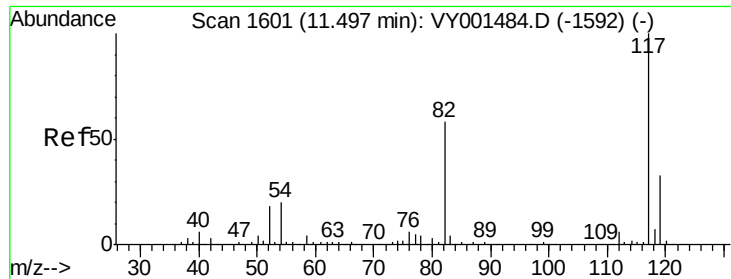
MMDadoda
 2/12/2020 3:12:07 PM



#62
 4-Bromofluorobenzene
 Concen: 51.505 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.4
176	70.9	0.0	135.4





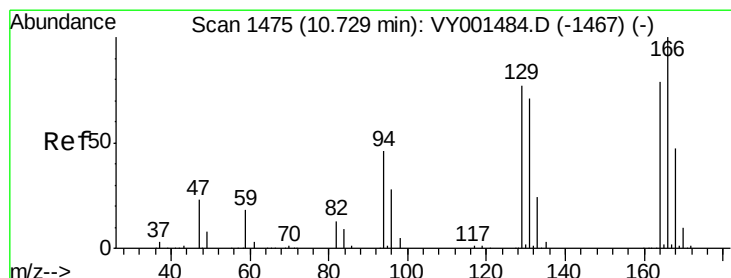
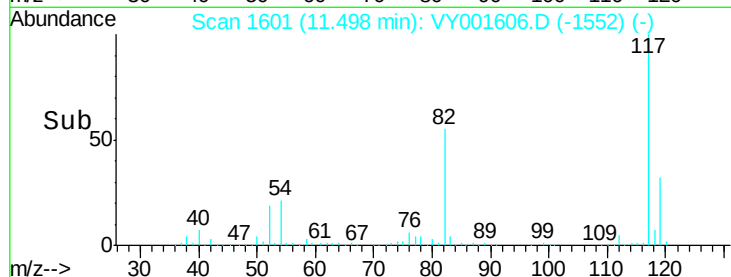
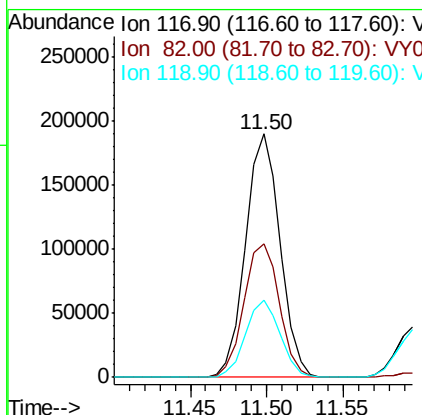
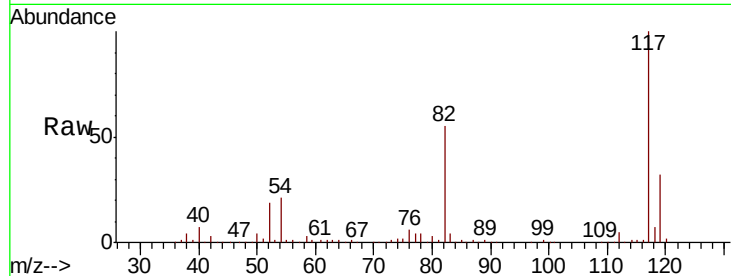
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.1	69.1
119	32.0	26.1	39.1

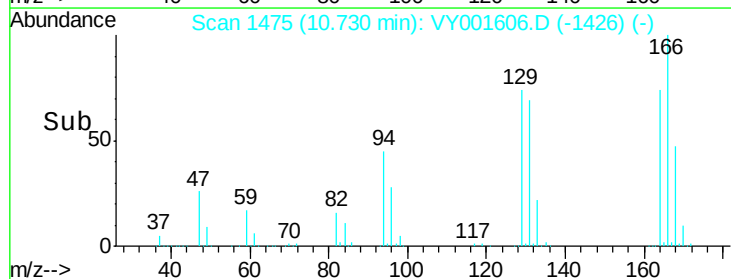
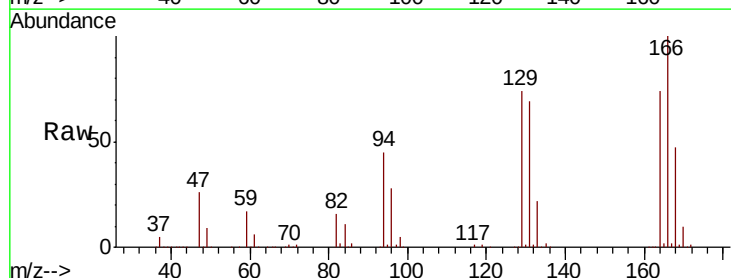
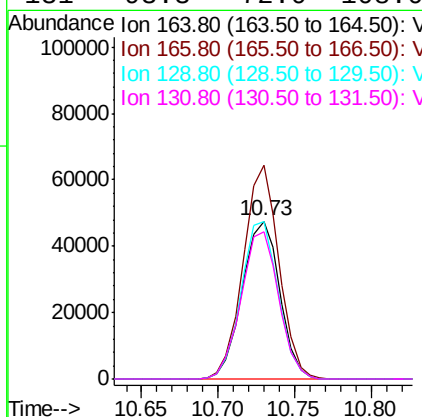
Manual Integrations
APPROVED

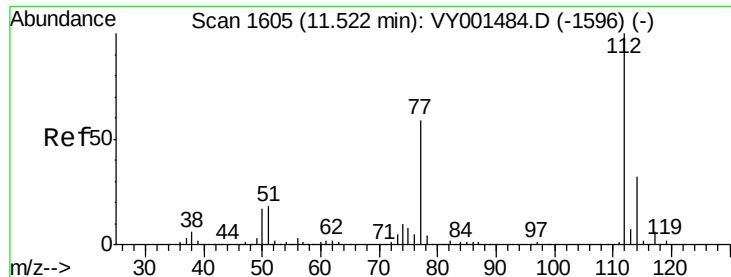
MMDadoda
2/12/2020 3:12:07 PM



#64
Tetrachloroethene
Concen: 41.597 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.5	100.8	151.2
129	99.6	77.8	116.6
131	93.3	72.0	108.0





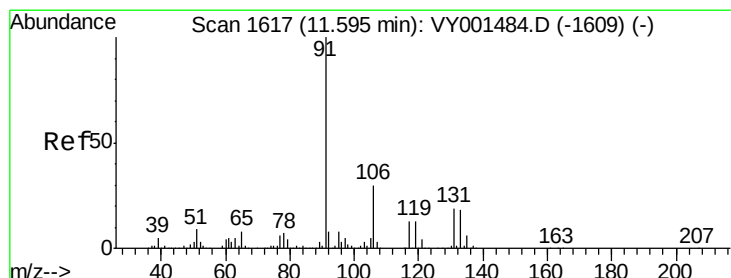
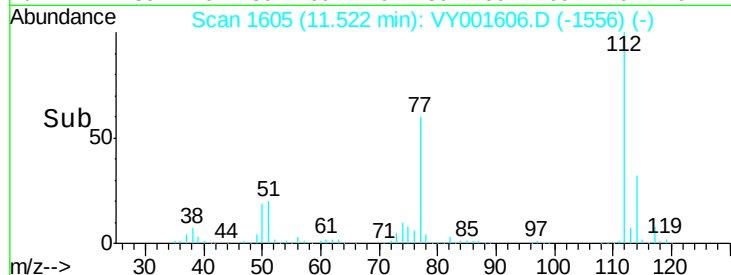
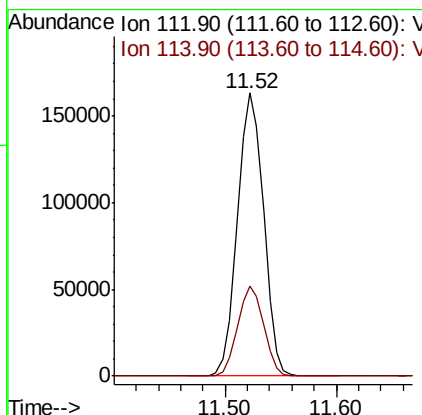
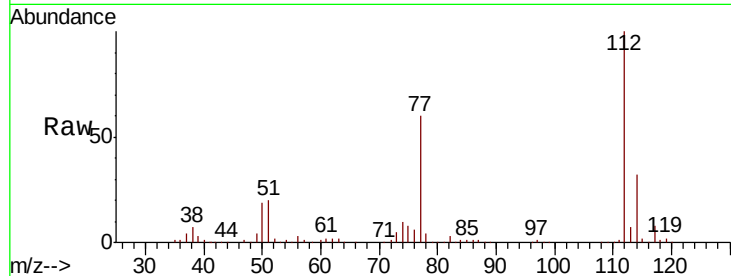
#65
Chlorobenzene
Concen: 45.371 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 265416
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

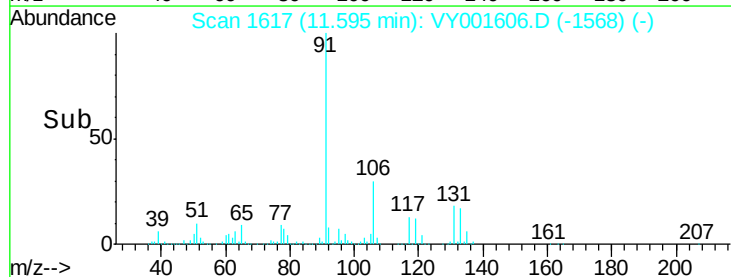
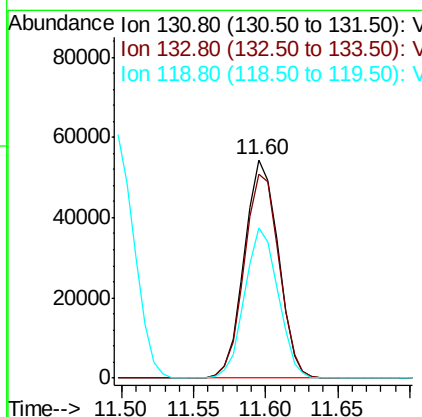
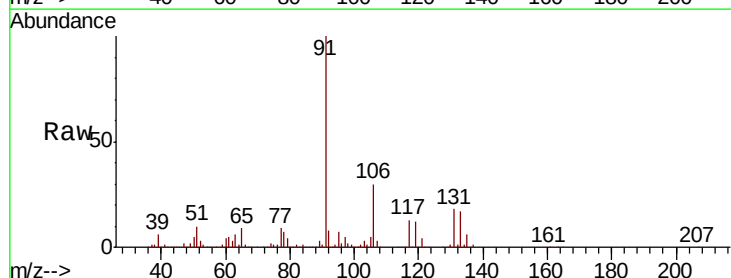
Manual Integrations
APPROVED

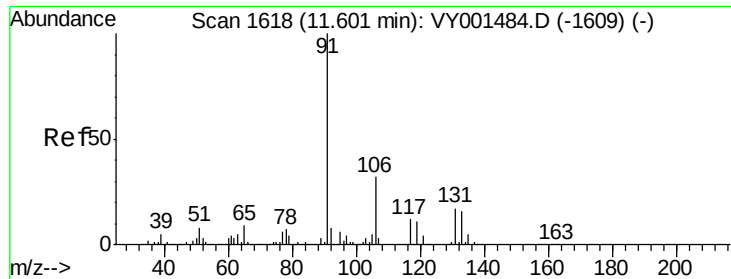
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.460 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion:131 Resp: 88982
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 67.7 33.7 101.0





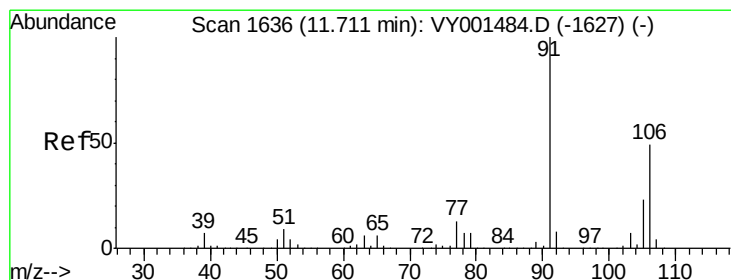
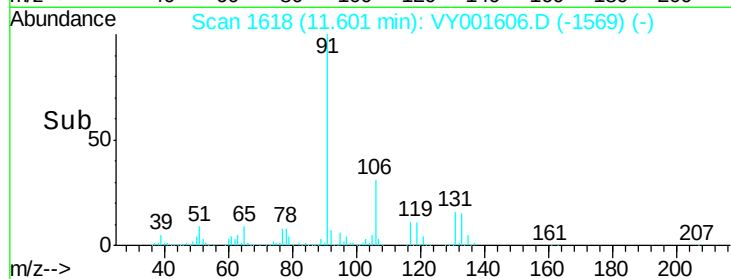
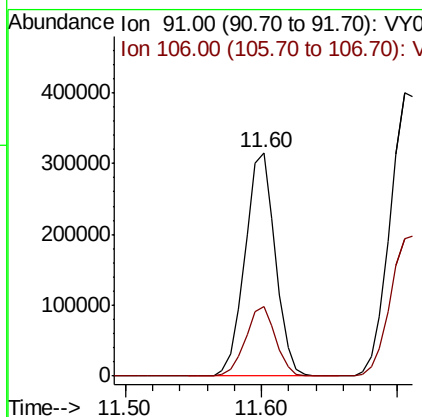
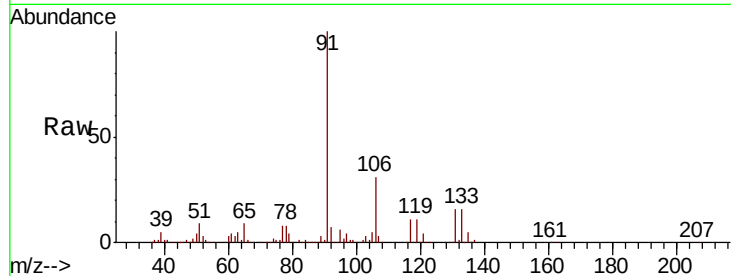
#67
Ethyl Benzene
Concen: 45.318 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 490174
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

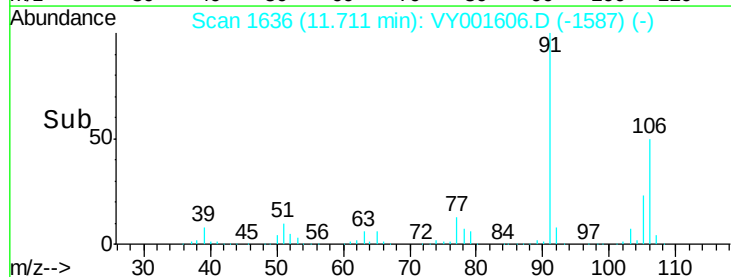
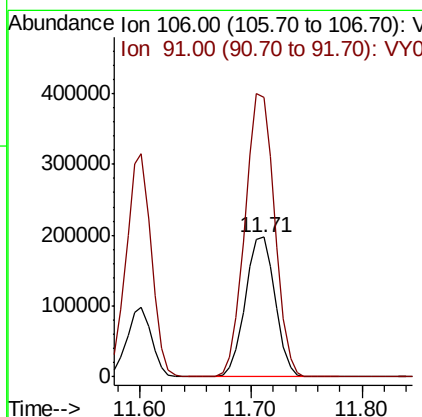
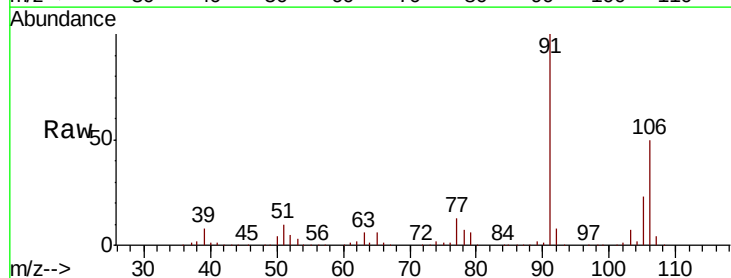
Manual Integrations
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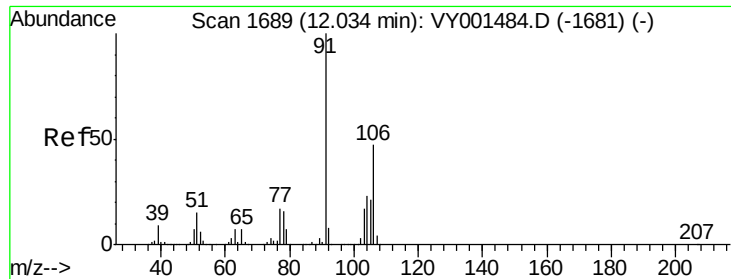
MMDadoda
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#68
m/p-Xylenes
Concen: 90.786 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion: 106 Resp: 368638
Ion Ratio Lower Upper
106 100
91 201.2 163.6 245.4





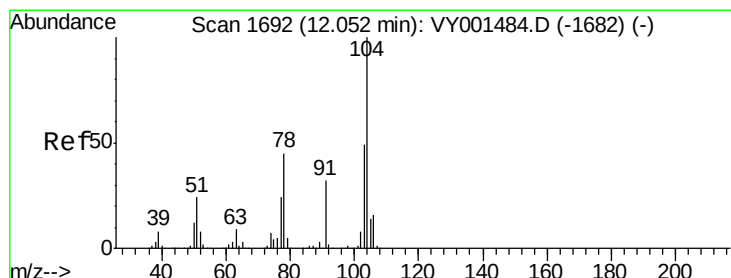
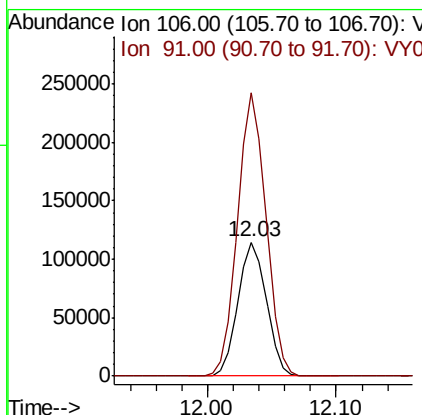
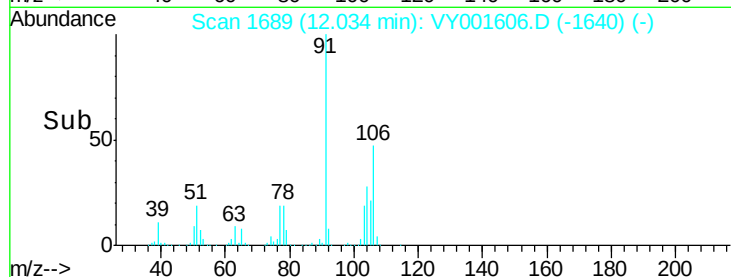
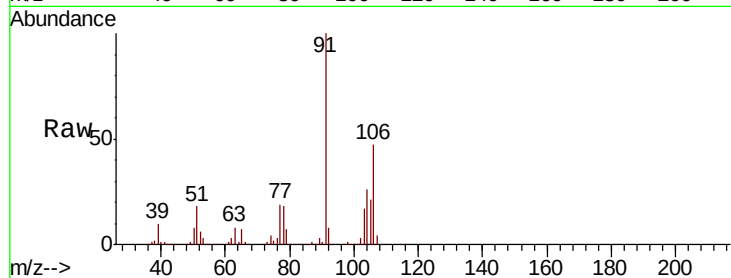
#69
o-Xylene
Concen: 45.903 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		175741		
91	210.6	106.0	318.0		

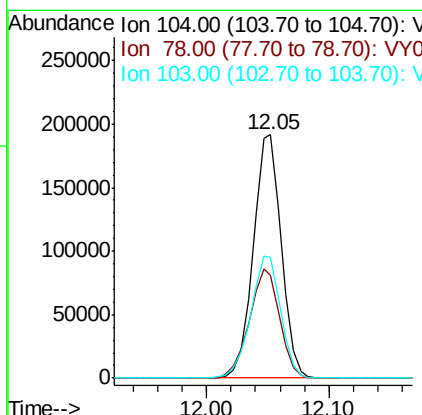
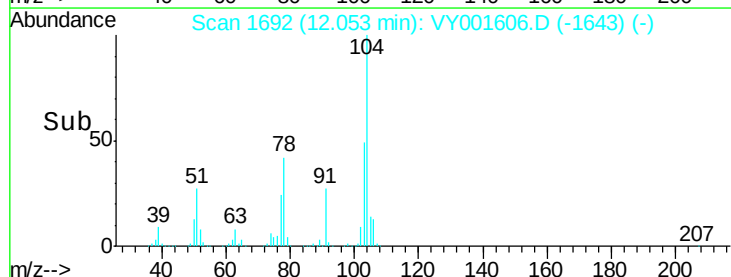
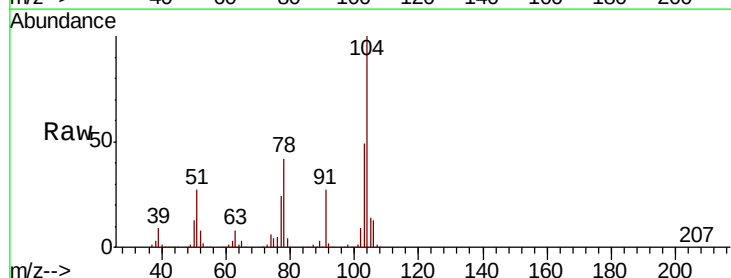
Manual Integrations
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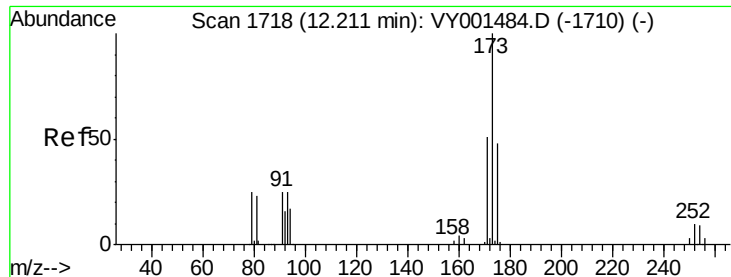
MMDadoda
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#70
Styrene
Concen: 46.122 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		305360		
78	48.6	40.4	60.6		
103	53.8	42.8	64.2		





#71

Bromoform

Concen: 47.435 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 54079

Ion Ratio Lower Upper

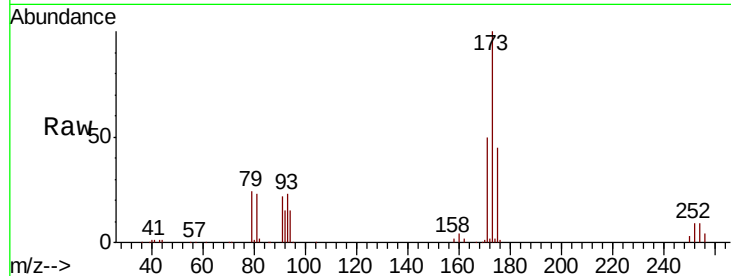
173 100

175 48.4 24.0 72.0

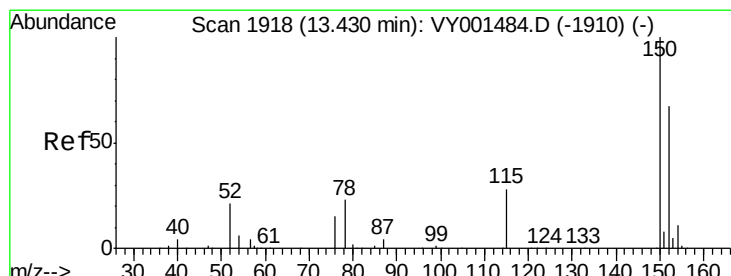
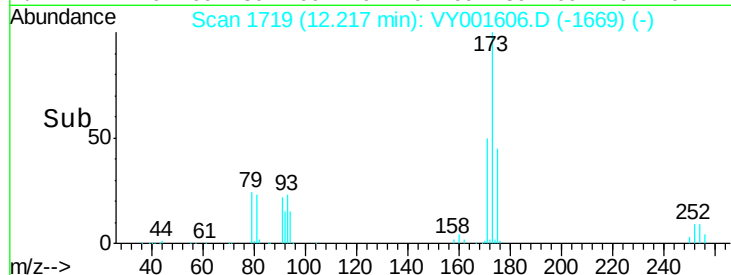
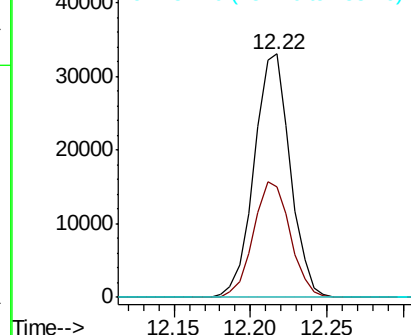
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

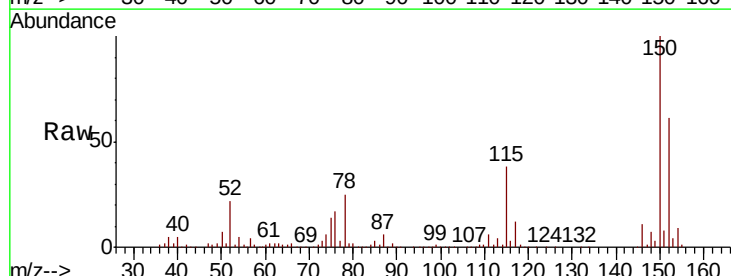
Tgt Ion:152 Resp: 144858

Ion Ratio Lower Upper

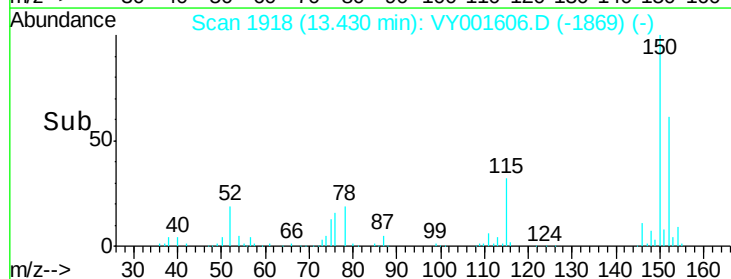
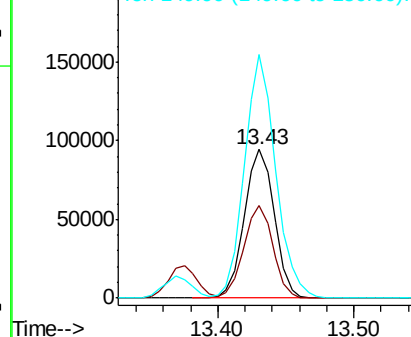
152 100

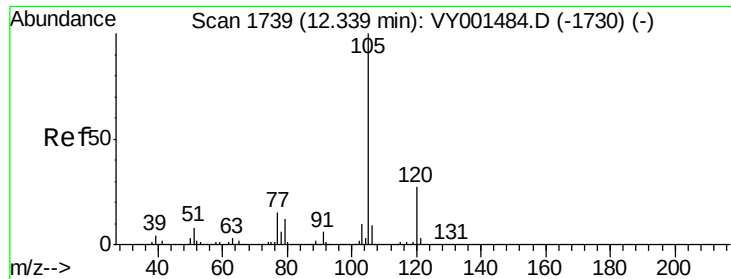
115 60.6 31.4 94.3

150 170.9 0.0 346.8



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





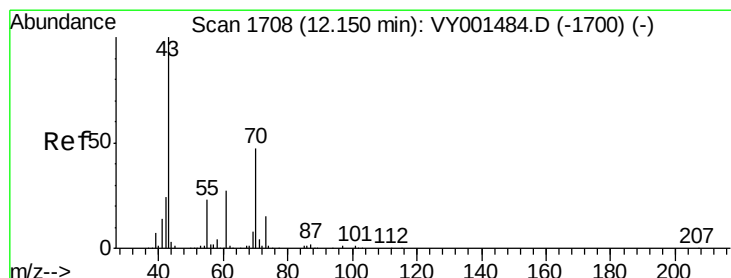
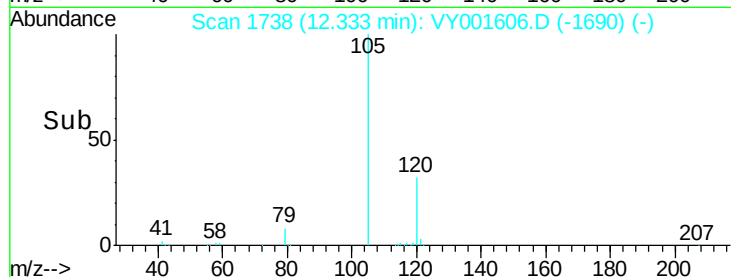
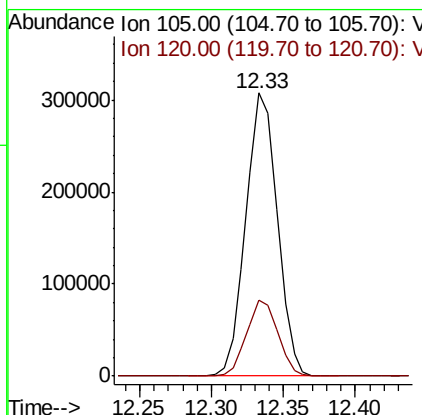
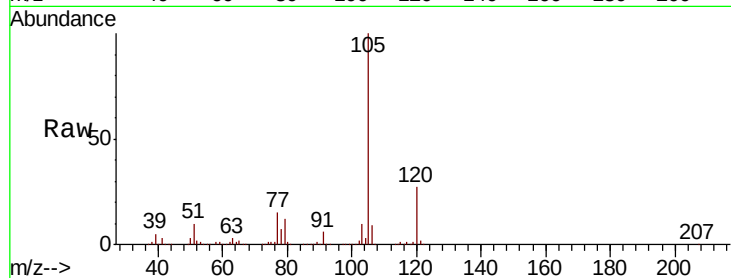
#73
Isopropylbenzene
Concen: 42.107 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

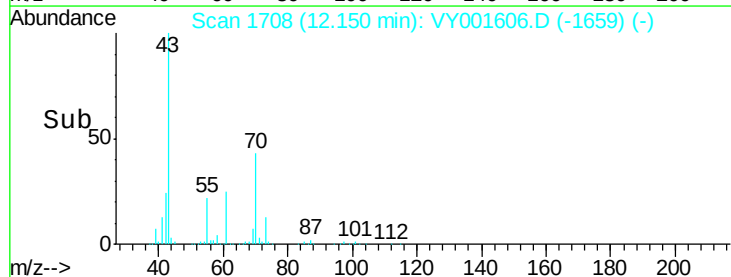
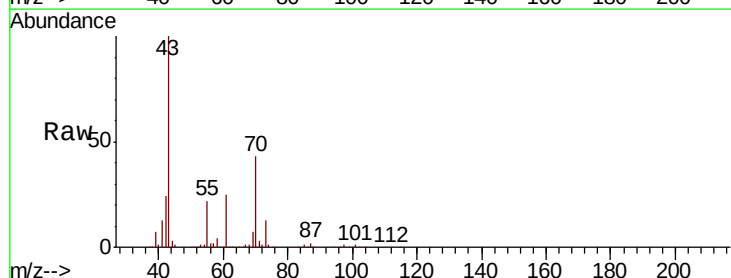
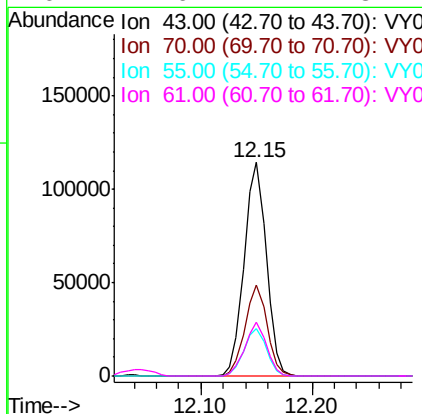
Manual Integrations
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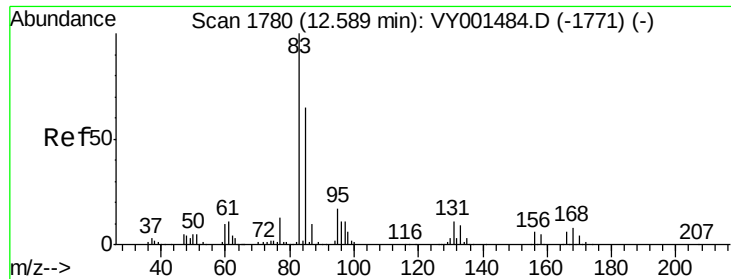
MMDadoda
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#74
N-ethyl acetate
Concen: 55.569 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	37.2	55.8
55	22.5	18.8	28.2
61	24.6	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.014 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

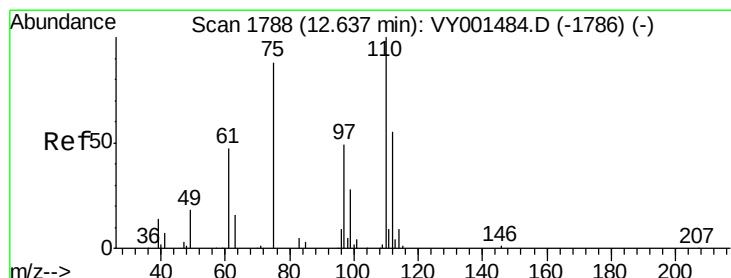
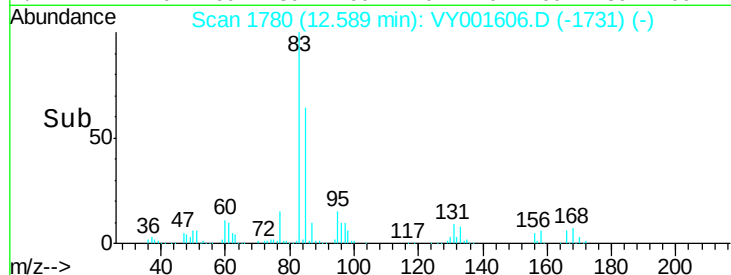
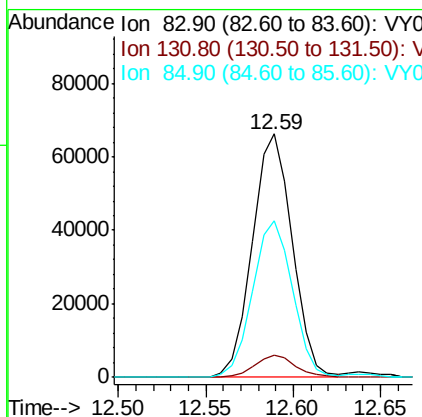
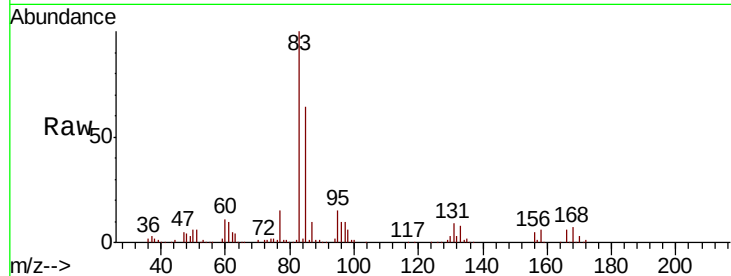
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	104982
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.4	16.2
85	64.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.312 ug/l m

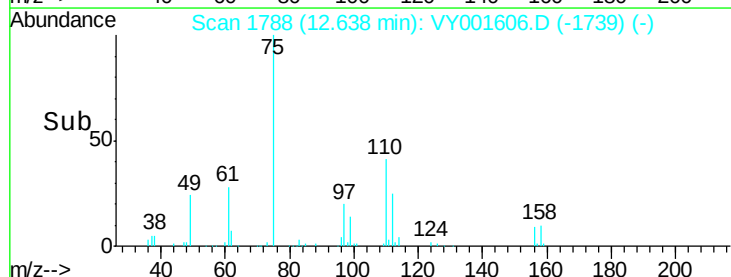
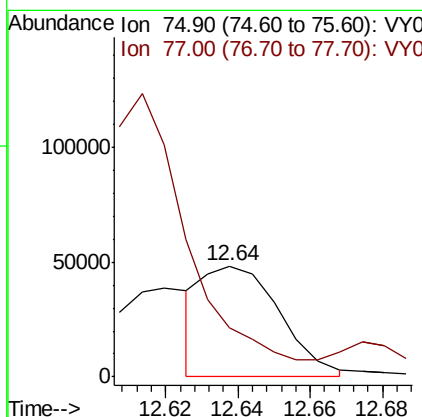
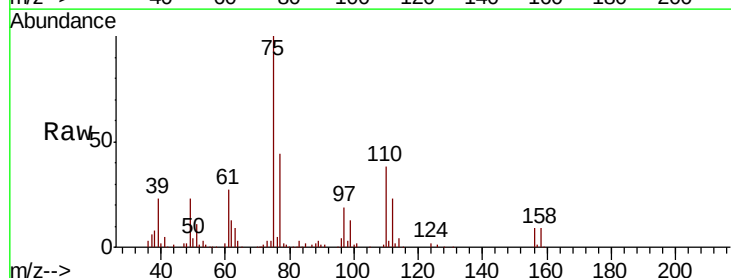
RT: 12.64 min Scan# 1788

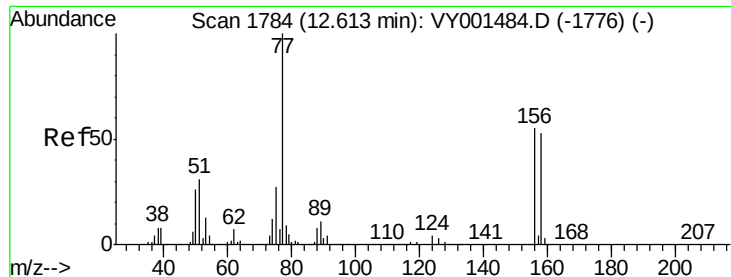
Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	75	Resp:	72145
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.194 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

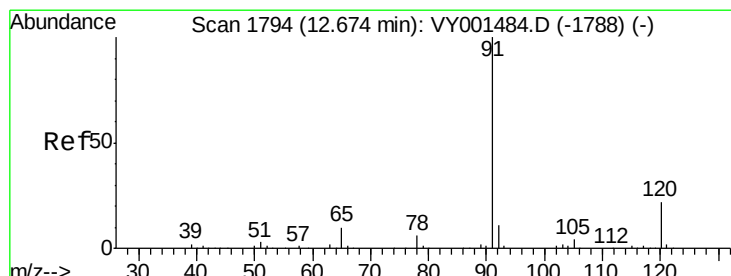
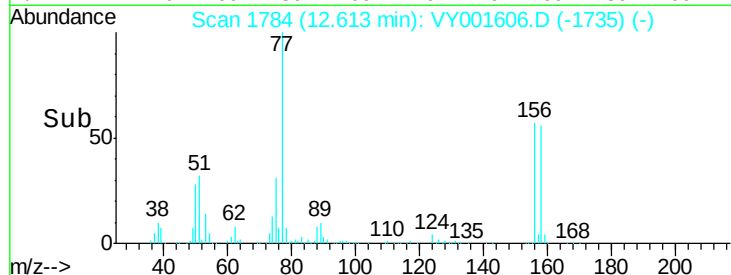
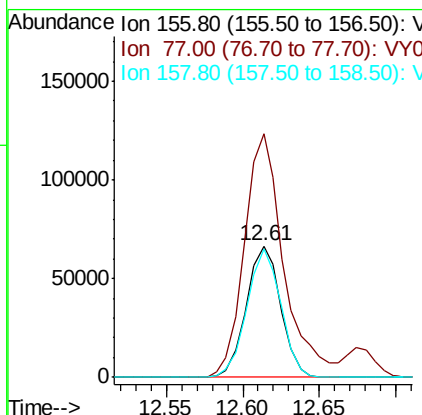
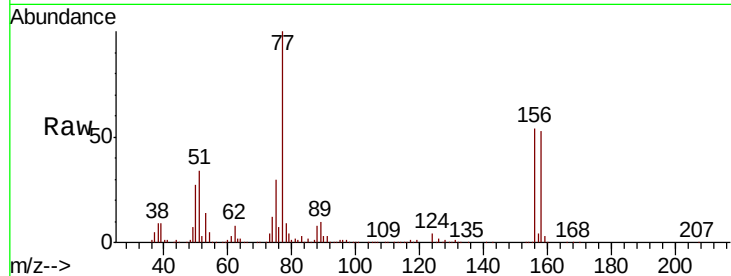
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	103275
Ion Ratio	Lower	Upper	
156	100		
77	211.6	99.8	299.3
158	97.1	47.5	142.6

Manual Integrations
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2/12/2020 3:12:07 PM



#78

n-propylbenzene

Concen: 43.355 ug/l

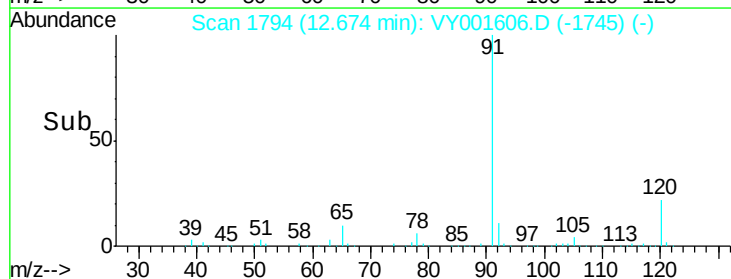
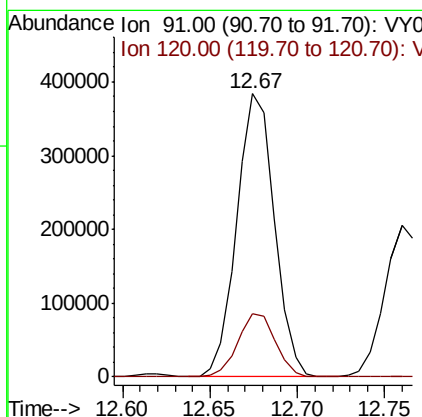
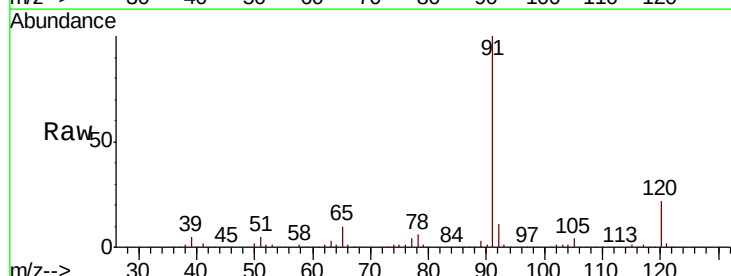
RT: 12.67 min Scan# 1794

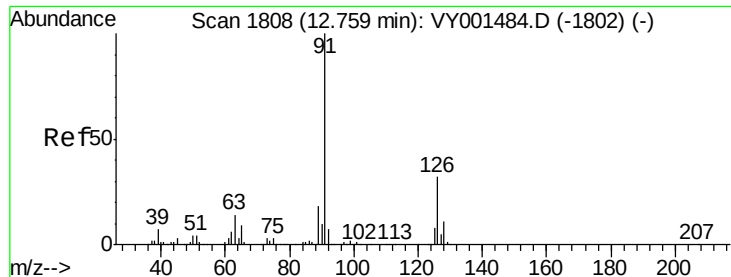
Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	91	Resp:	573431
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.2





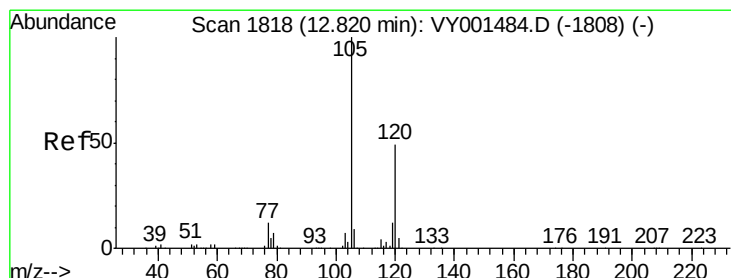
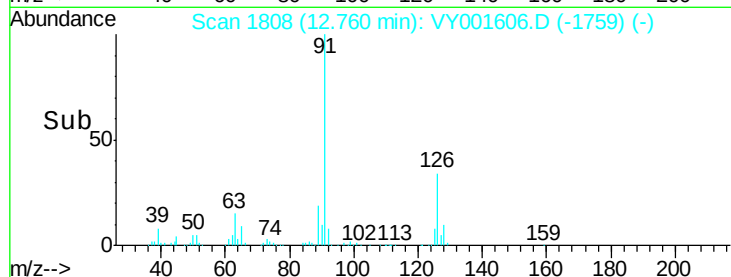
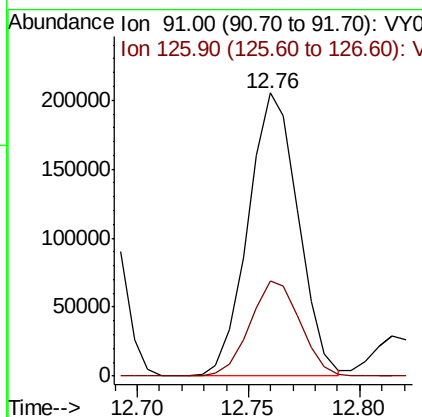
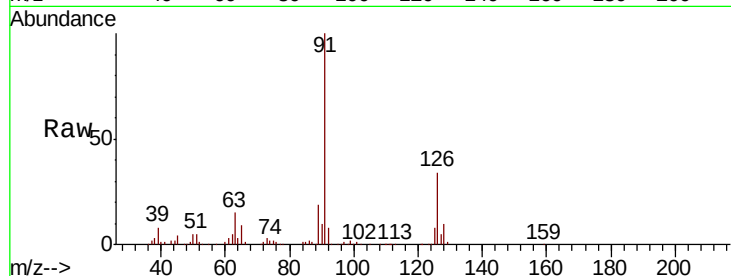
#79
 2-Chlorotoluene
 Concen: 42.492 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 320358
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.4 49.2

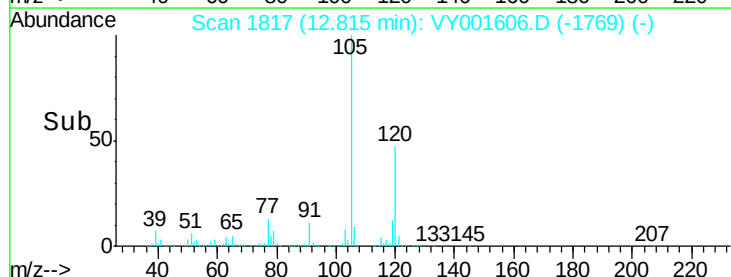
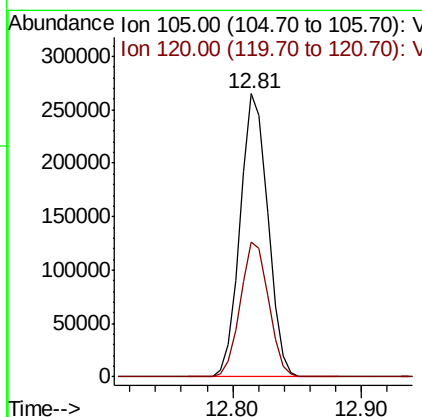
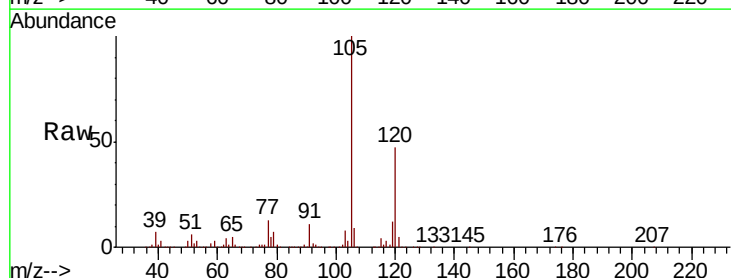
Manual Integrations
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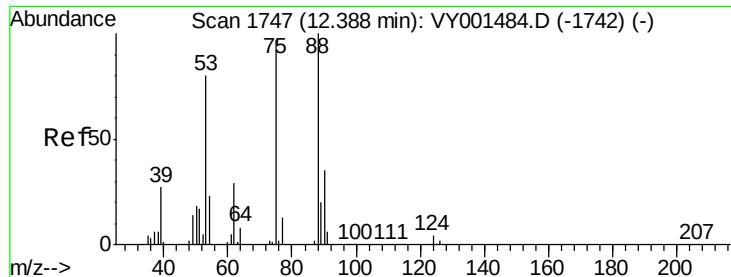
MMDadoda
 2/12/2020 3:12:07 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 42.339 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion: 105 Resp: 393938
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2





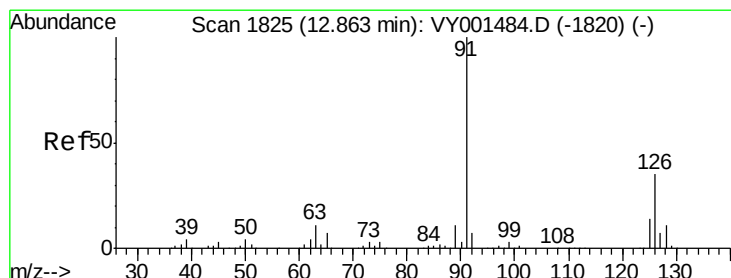
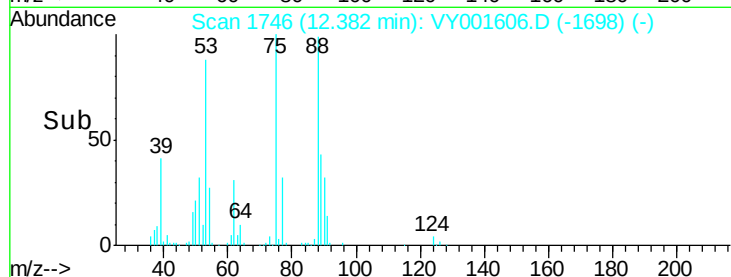
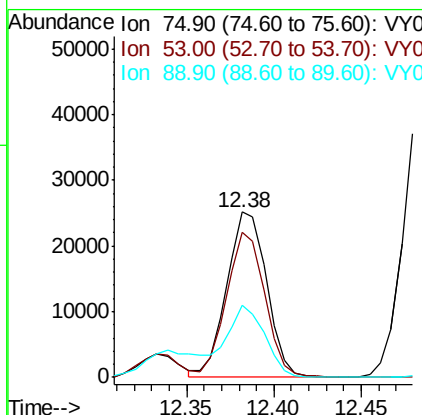
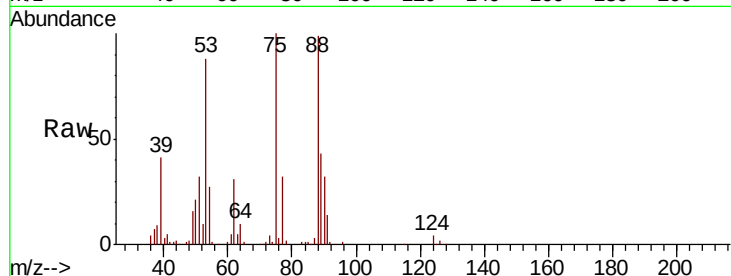
#81
trans-1,4-Dichloro-2-butene
Concen: 49.869 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	67.7	101.5
89	40.6	34.6	52.0

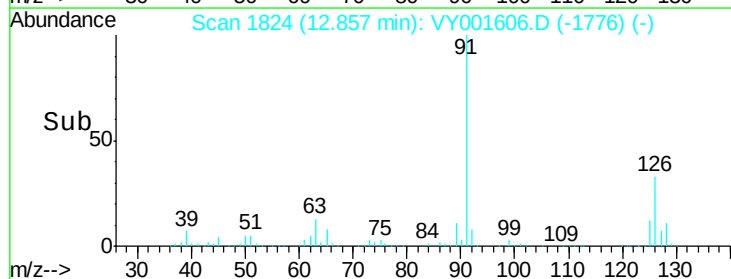
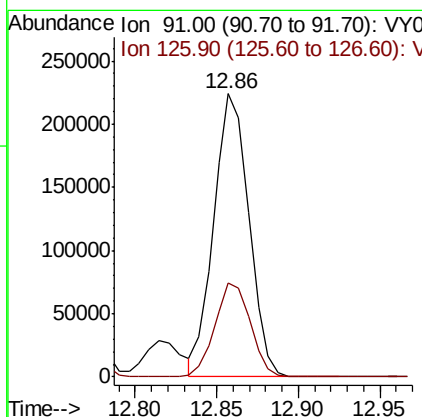
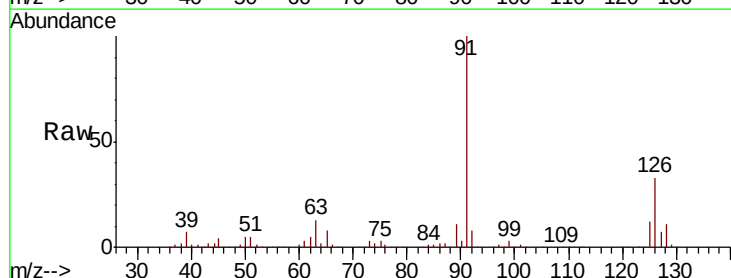
Manual Integrations
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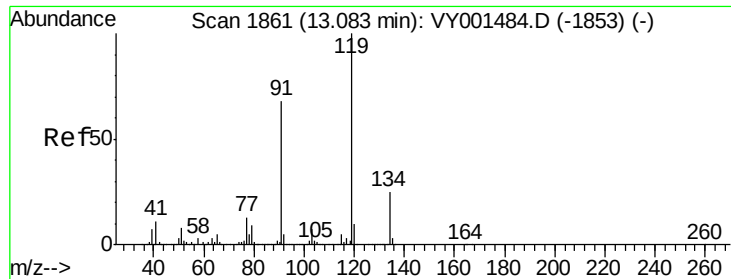
MMDadoda
2/12/2020 3:12:07 PM



#82
4-Chlorotoluene
Concen: 42.551 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.5	49.5





#83

tert-Butylbenzene

Concen: 42.546 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

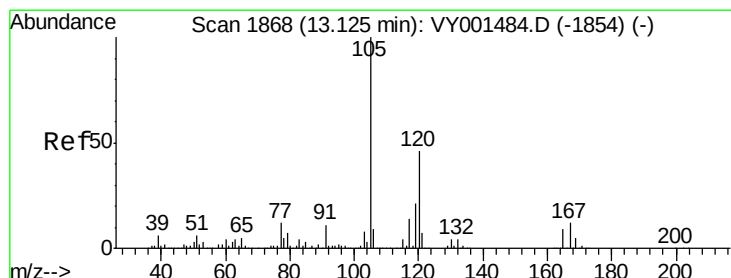
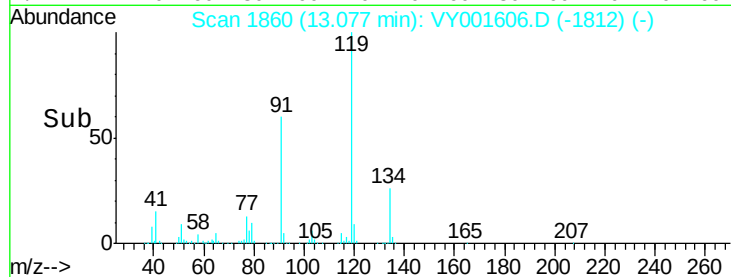
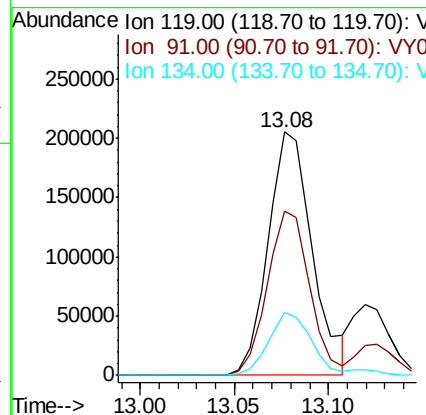
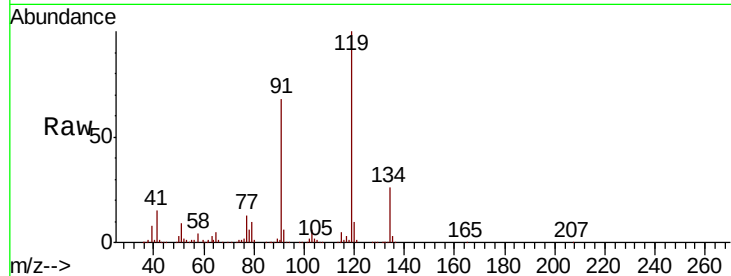
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	334616
Ion Ratio	Lower	Upper	
119	100		
91	64.6	33.1	99.3
134	26.4	13.0	39.0

Manual Integrations
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2/12/2020 3:12:07 PM



#84

1,2,4-Trimethylbenzene

Concen: 42.465 ug/l

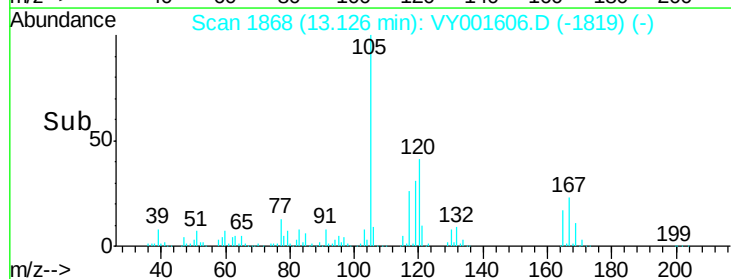
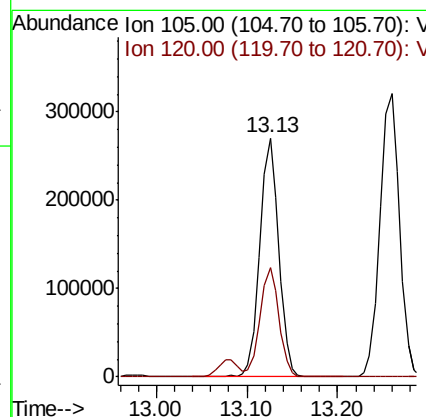
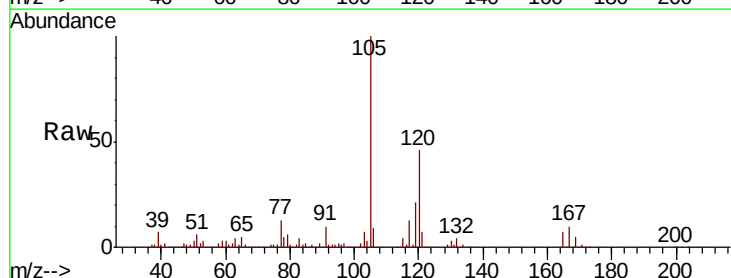
RT: 13.13 min Scan# 1868

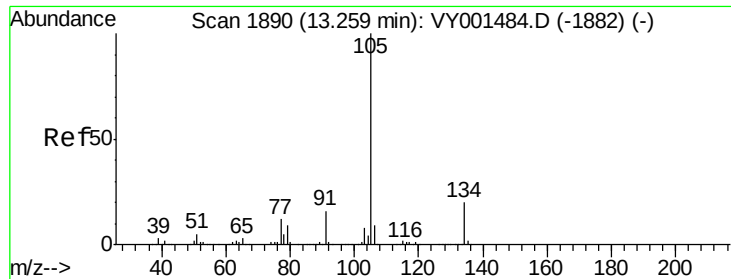
Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	105	Resp:	391058
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.4	67.0





#85

sec-Butylbenzene

Concen: 43.329 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 479112

Ion Ratio Lower Upper

105 100

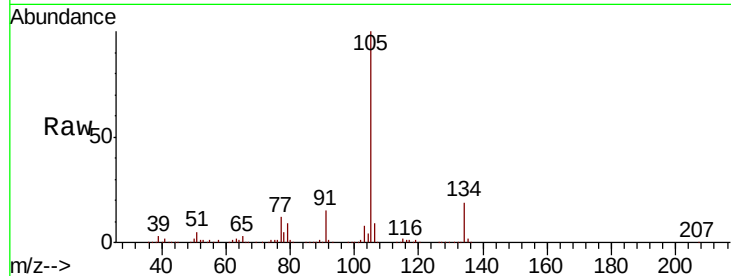
134 19.6 10.0 29.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

300000

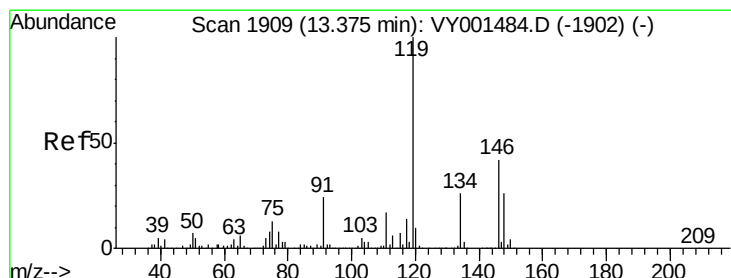
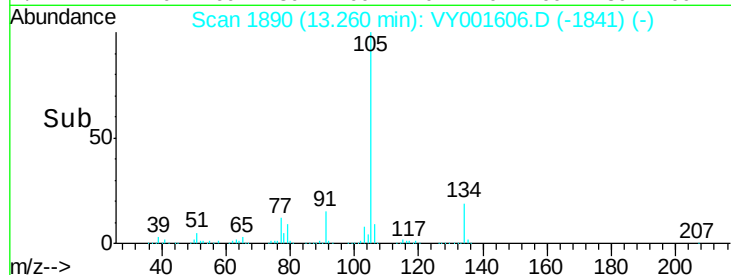
200000

100000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 42.869 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

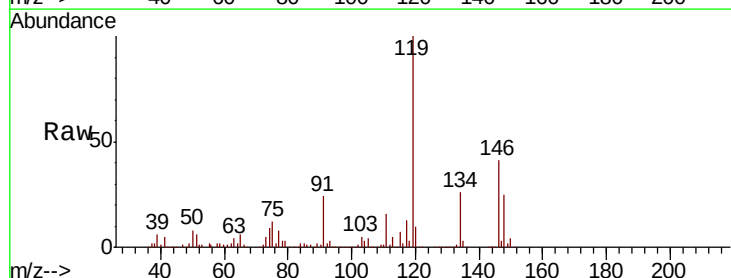
Tgt Ion:119 Resp: 417731

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 23.7 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

400000

300000

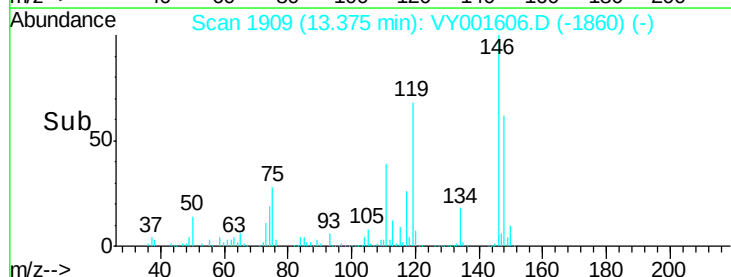
200000

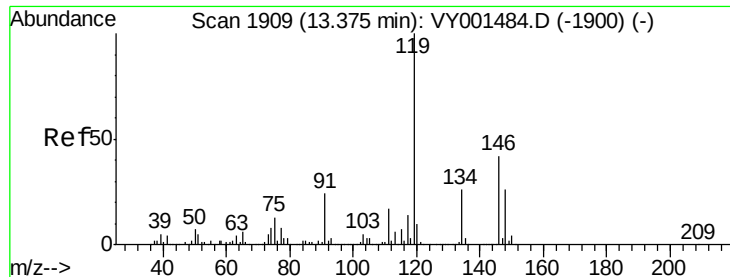
100000

0

Time-->

13.30 13.35 13.40 13.45





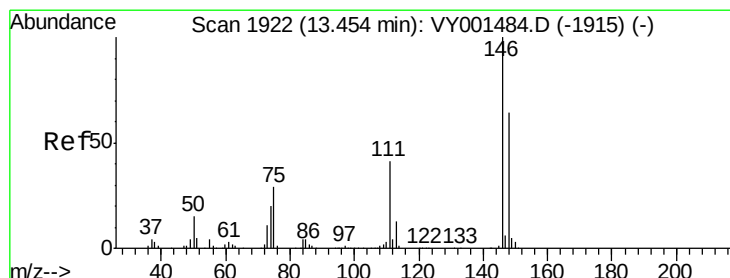
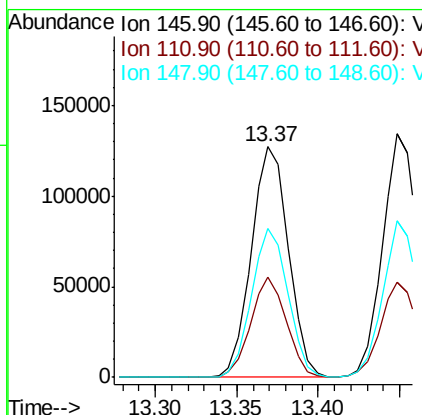
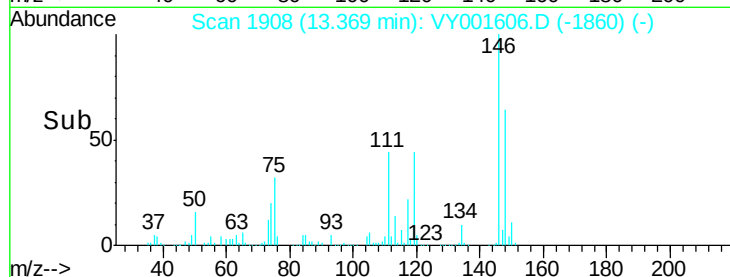
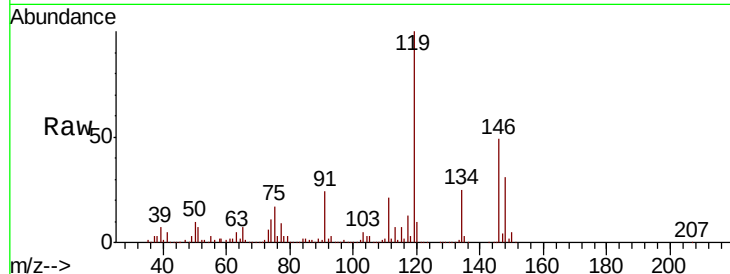
#87
 1,3-Dichlorobenzene
 Concen: 43.949 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	63.2	31.9	95.7

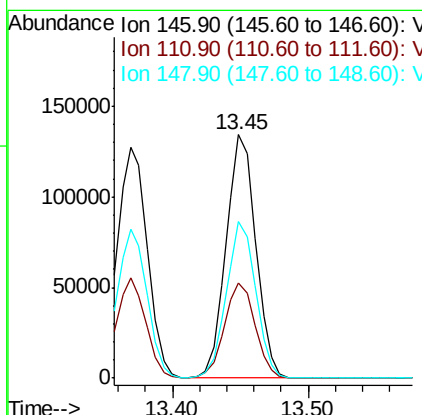
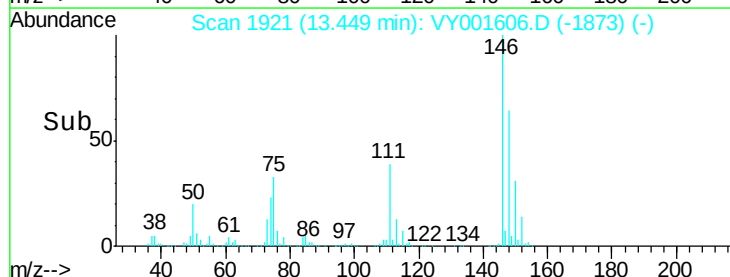
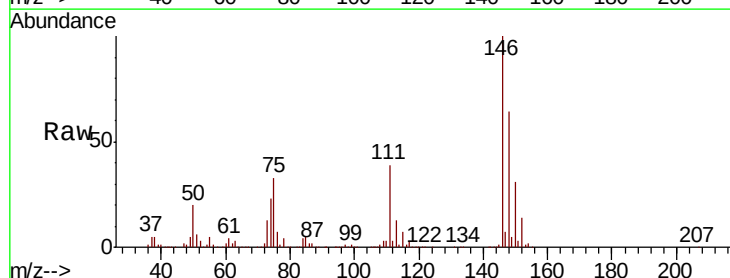
Manual Integrations
 APPROVED

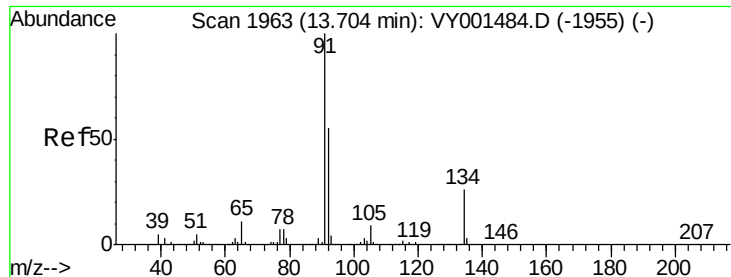
MMDadoda
 2/12/2020 3:12:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.327 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.5	32.1	96.5





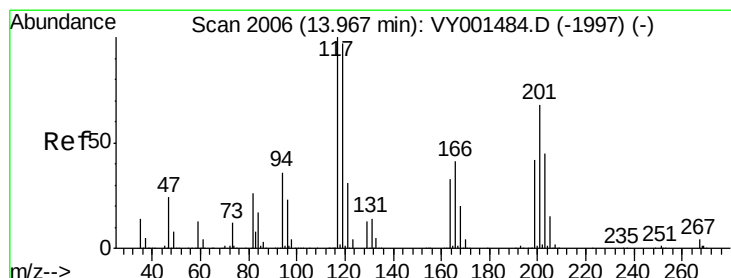
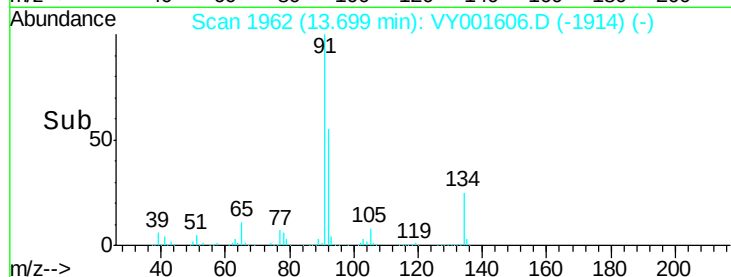
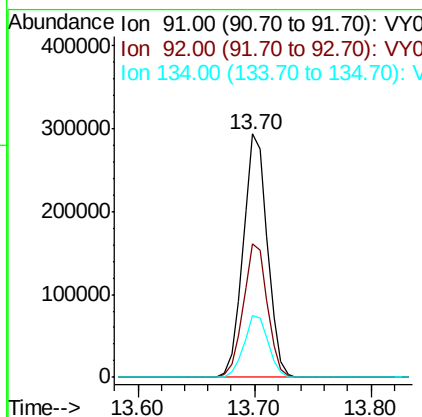
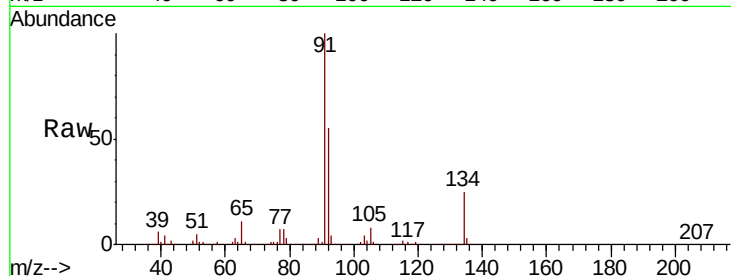
#89
n-Butylbenzene
Concen: 44.212 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	25.5	13.0	38.9

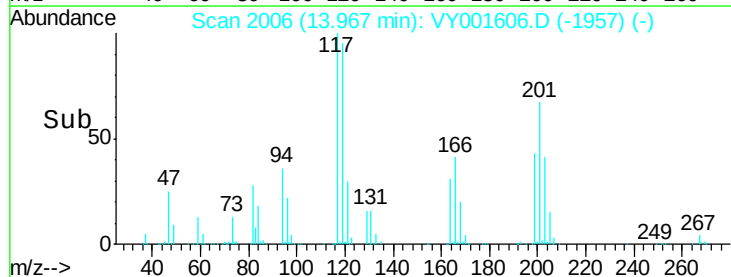
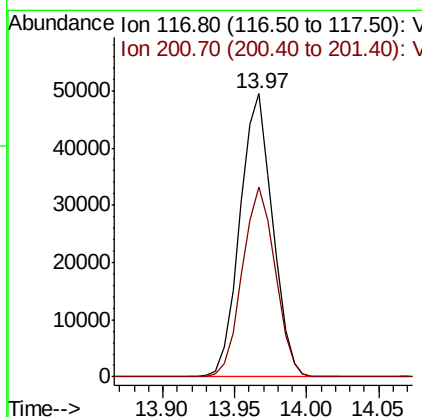
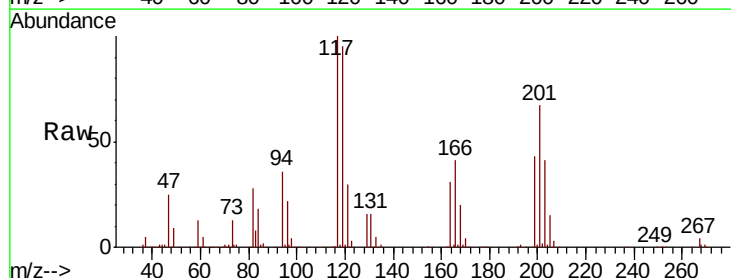
Manual Integrations
APPROVED

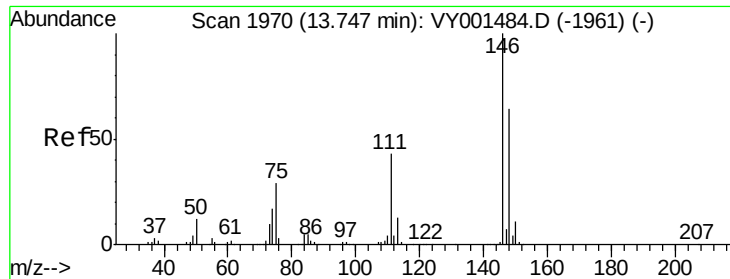
MMDadoda
2/12/2020 3:12:07 PM



#90
Hexachloroethane
Concen: 41.505 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 44.716 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Instrument :

MSVOA_Y

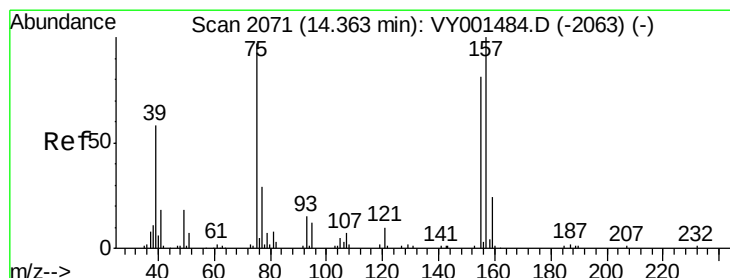
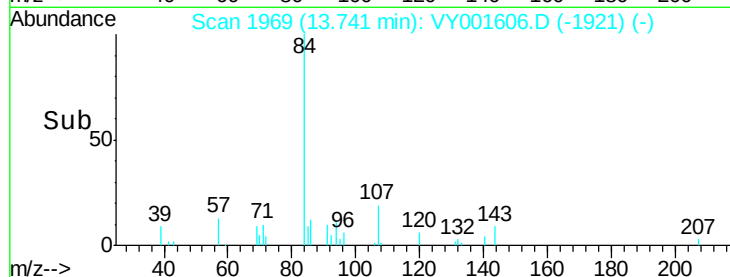
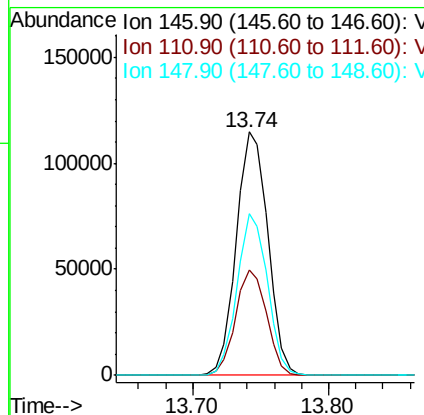
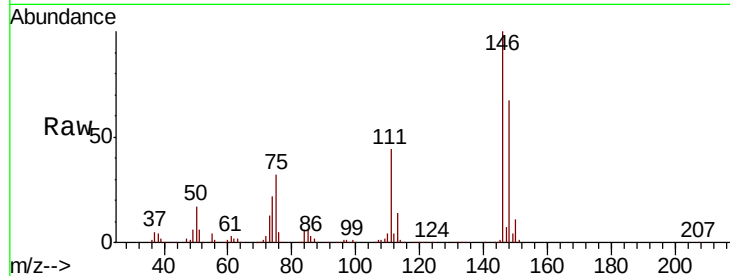
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	185679
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.9	65.8
148	63.9	31.8	95.3

Manual Integrations
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2/12/2020 3:12:07 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.864 ug/l

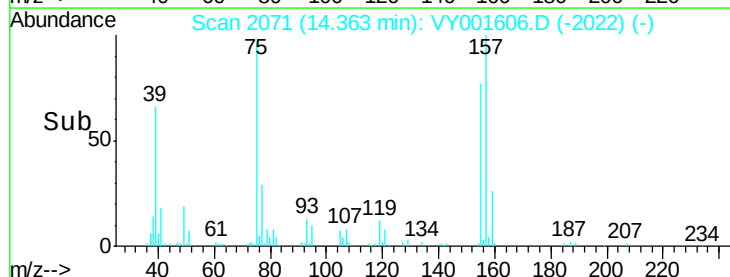
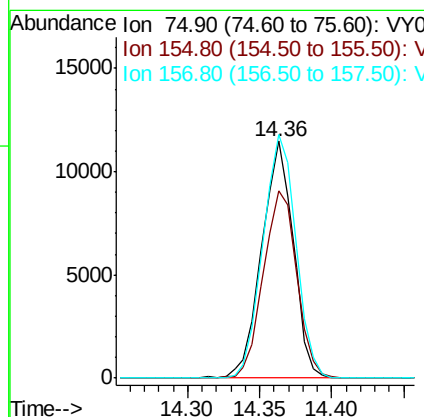
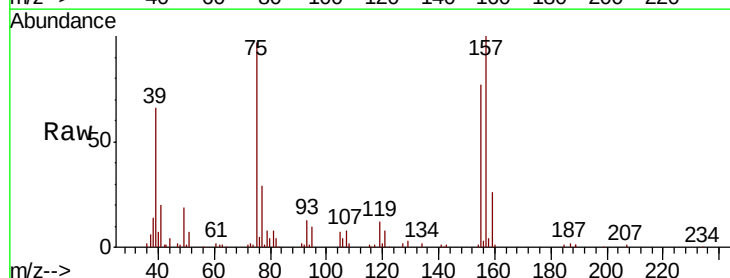
RT: 14.36 min Scan# 2071

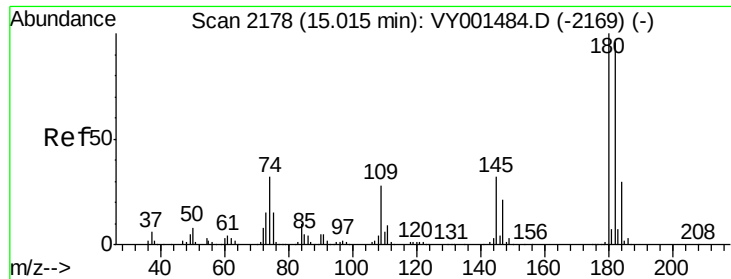
Delta R.T. 0.00 min

Lab File: VY001606.D

Acq: 11 Feb 2020 17:49

Tgt Ion:	75	Resp:	17385
Ion Ratio	Lower	Upper	
75	100		
155	83.5	40.7	122.1
157	107.0	52.3	157.1





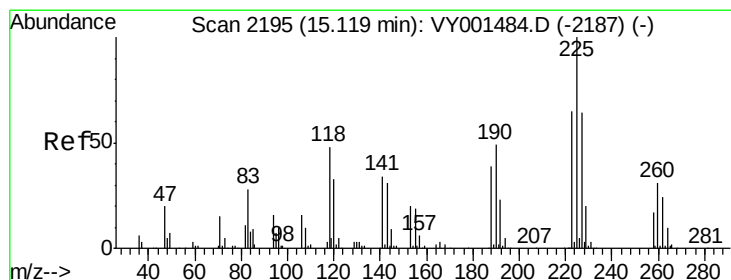
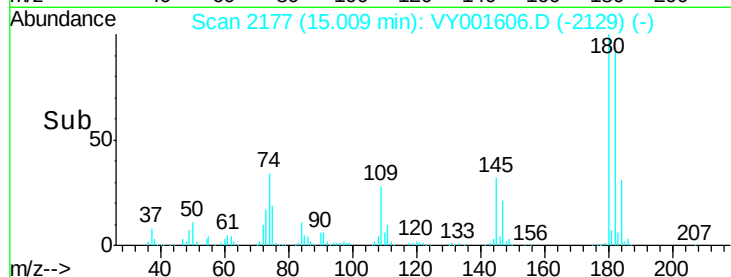
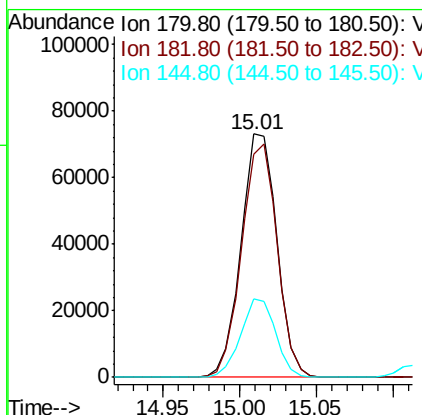
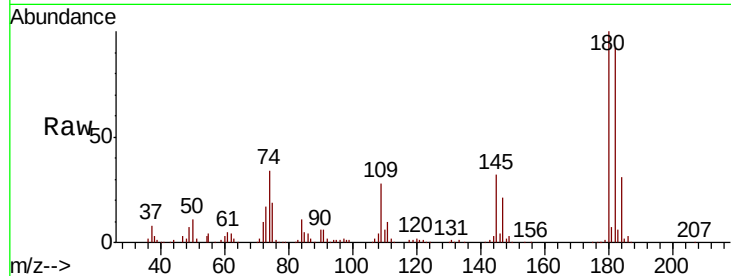
#93
 1,2,4-Trichlorobenzene
 Concen: 42.647 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119338		
182	95.1	46.9	140.7	
145	31.5	16.8	50.3	

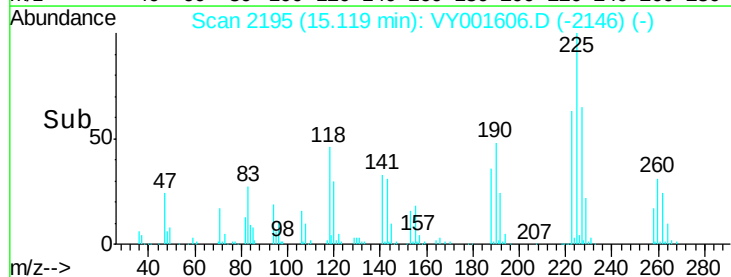
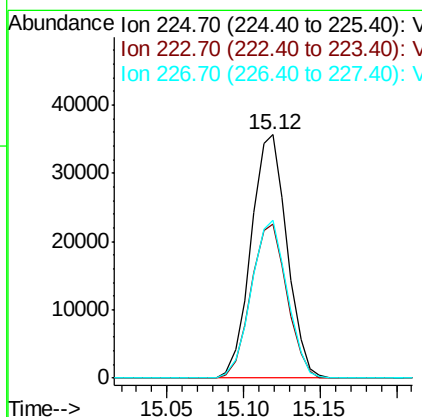
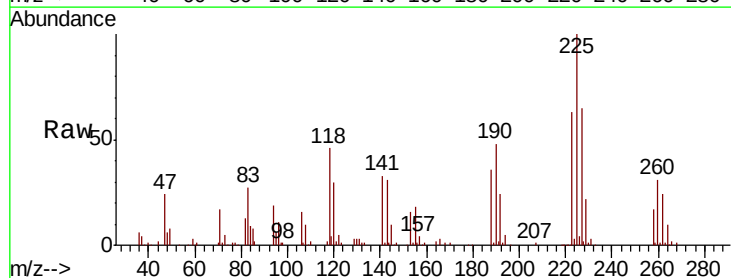
Manual Integrations
 APPROVED

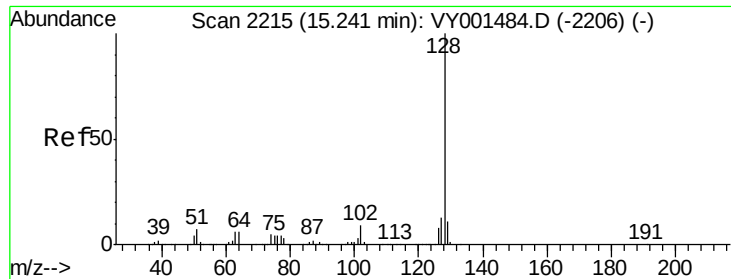
MMDadoda
 2/12/2020 3:12:07 PM



#94
 Hexachlorobutadiene
 Concen: 41.059 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001606.D
 Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58312		
223	63.6	31.9	95.7	
227	64.6	32.6	97.7	





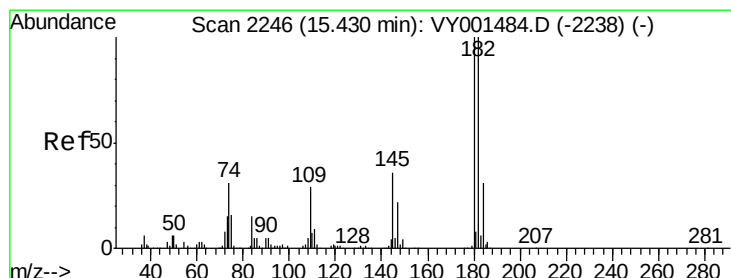
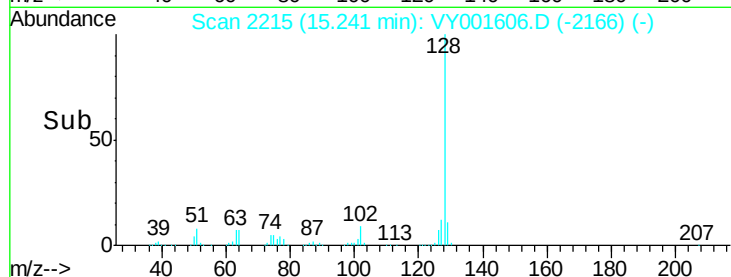
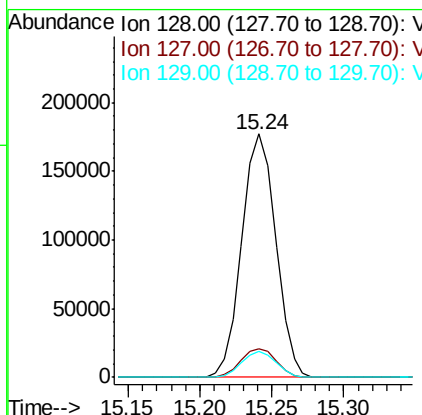
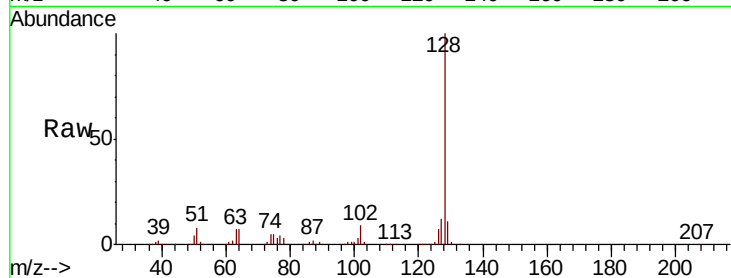
#95
Naphthalene
Concen: 44.269 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	291130		
127	12.2		10.1	15.1
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.917 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001606.D
Acq: 11 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108479		
182	93.6		48.0	144.2
145	33.8		17.8	53.5

