

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001687.D
 Acq On : 18 Feb 2020 21:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:02 PM

Quant Time: Feb 19 08:07:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	164262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	301174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	276298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	128254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	92618	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.75	113	84112	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.20	98	349338	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.50	95	124758	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	85393	53.331	ug/l	99
3) Chloromethane	2.13	50	114609	53.216	ug/l	99
4) Vinyl Chloride	2.27	62	111037	51.116	ug/l	98
5) Bromomethane	2.67	94	74396	54.799	ug/l	95
6) Chloroethane	2.82	64	70244	52.477	ug/l	98
7) Trichlorofluoromethane	3.15	101	144412	51.944	ug/l	97
8) Diethyl Ether	3.56	74	59293	54.100	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	90670	51.887	ug/l	99
10) Methyl Iodide	4.13	142	112059	52.397	ug/l	100
11) Tert butyl alcohol	5.00	59	53067	260.300	ug/l	100
12) 1,1-Dichloroethene	3.91	96	91865	51.544	ug/l	95
13) Acrolein	3.77	56	41153	230.619	ug/l	99
14) Allyl chloride	4.52	41	168266	53.048	ug/l	98
15) Acrylonitrile	5.21	53	157549	280.446	ug/l	99
16) Acetone	3.99	43	129350	211.578	ug/l	99
17) Carbon Disulfide	4.23	76	300188	50.450	ug/l	99
18) Methyl Acetate	4.52	43	73106	54.910	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	266449	53.696	ug/l	98
20) Methylene Chloride	4.76	84	107931	49.702	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	106258	52.255	ug/l	98
22) Diisopropyl ether	6.16	45	357333	54.856	ug/l	97
23) Vinyl Acetate	6.11	43	1179875	277.684	ug/l	98
24) 1,1-Dichloroethane	6.07	63	186416	53.544	ug/l	98
25) 2-Butanone	7.03	43	211313	254.439	ug/l	97
26) 2,2-Dichloropropane	7.02	77	145745	48.116	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	118830	52.942	ug/l	99
28) Bromochloromethane	7.37	49	84982	58.597	ug/l	98
29) Tetrahydrofuran	7.38	42	138858	276.623	ug/l	98
30) Chloroform	7.55	83	179420	52.742	ug/l	99
31) Cyclohexane	7.82	56	180321	48.577	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	147851	51.712	ug/l	98
36) 1,1-Dichloropropene	7.95	75	143031	49.719	ug/l	99
37) Ethyl Acetate	7.11	43	92053	53.612	ug/l	99
38) Carbon Tetrachloride	7.93	117	126742	50.158	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	186417	48.844	ug/l	100
40) Benzene	8.19	78	443643	52.435	ug/l	99
41) Methacrylonitrile	7.36	41	47492m	55.087	ug/l	
42) 1,2-Dichloroethane	8.27	62	122944	53.338	ug/l	99
43) Isopropyl Acetate	8.30	43	180244	55.327	ug/l	99
44) Trichloroethene	8.96	130	107088	50.702	ug/l	98
45) 1,2-Dichloropropane	9.24	63	114309	53.947	ug/l	100
46) Dibromomethane	9.33	93	59099	53.325	ug/l	98
47) Bromodichloromethane	9.52	83	143845	53.778	ug/l	98
48) Methyl methacrylate	9.32	41	81194	55.107	ug/l	98
49) 1,4-Dioxane	9.32	88	15684	1001.962	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	467418	279.251	ug/l	97
52) Toluene	10.27	92	271697	51.481	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	156379	52.884	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	178542	52.461	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	88987	54.453	ug/l	99
56) Ethyl methacrylate	10.53	69	134503	54.864	ug/l	99
57) 1,3-Dichloropropane	10.81	76	156414	53.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	256096	280.065	ug/l	99
59) 2-Hexanone	10.85	43	325544	259.212	ug/l	98
60) Dibromochloromethane	11.00	129	94987	52.720	ug/l	99
61) 1,2-Dibromoethane	11.11	107	83827	54.251	ug/l	98
64) Tetrachloroethene	10.74	164	87940	50.701	ug/l	98
65) Chlorobenzene	11.53	112	284557	51.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	97569	52.434	ug/l	99
67) Ethyl Benzene	11.61	91	527017	51.482	ug/l	100
68) m/p-Xylenes	11.72	106	392539	102.653	ug/l	99
69) o-Xylene	12.05	106	187792	51.657	ug/l	98
70) Styrene	12.06	104	331079	52.402	ug/l	100
71) Bromoform	12.22	173	56019	52.678	ug/l #	99
73) Isopropylbenzene	12.35	105	496306	50.796	ug/l	99
74) N-amyl acetate	12.16	43	169502	54.358	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.60	83	112355	53.856	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	70470m	47.898	ug/l	
77) Bromobenzene	12.63	156	110257	52.055	ug/l	96
78) n-propylbenzene	12.69	91	613600	51.564	ug/l	99
79) 2-Chlorotoluene	12.77	91	344654	51.640	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	419290	51.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	38854	50.102	ug/l	92
82) 4-Chlorotoluene	12.87	91	363461	51.634	ug/l	99
83) tert-Butylbenzene	13.09	119	347960	51.439	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	419405	52.014	ug/l	99
85) sec-Butylbenzene	13.27	105	511151	51.378	ug/l	99
86) p-Isopropyltoluene	13.38	119	442641	51.215	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	213526	51.980	ug/l	97
88) 1,4-Dichlorobenzene	13.46	146	211744	50.994	ug/l	99
89) n-Butylbenzene	13.71	91	446513	50.560	ug/l	100
90) Hexachloroethane	13.97	117	83628	51.356	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	195999	51.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17502	50.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	122719	48.850	ug/l	99
94) Hexachlorobutadiene	15.13	225	58529	46.847	ug/l	98
95) Naphthalene	15.25	128	297664	51.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	111369	50.390	ug/l	99

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

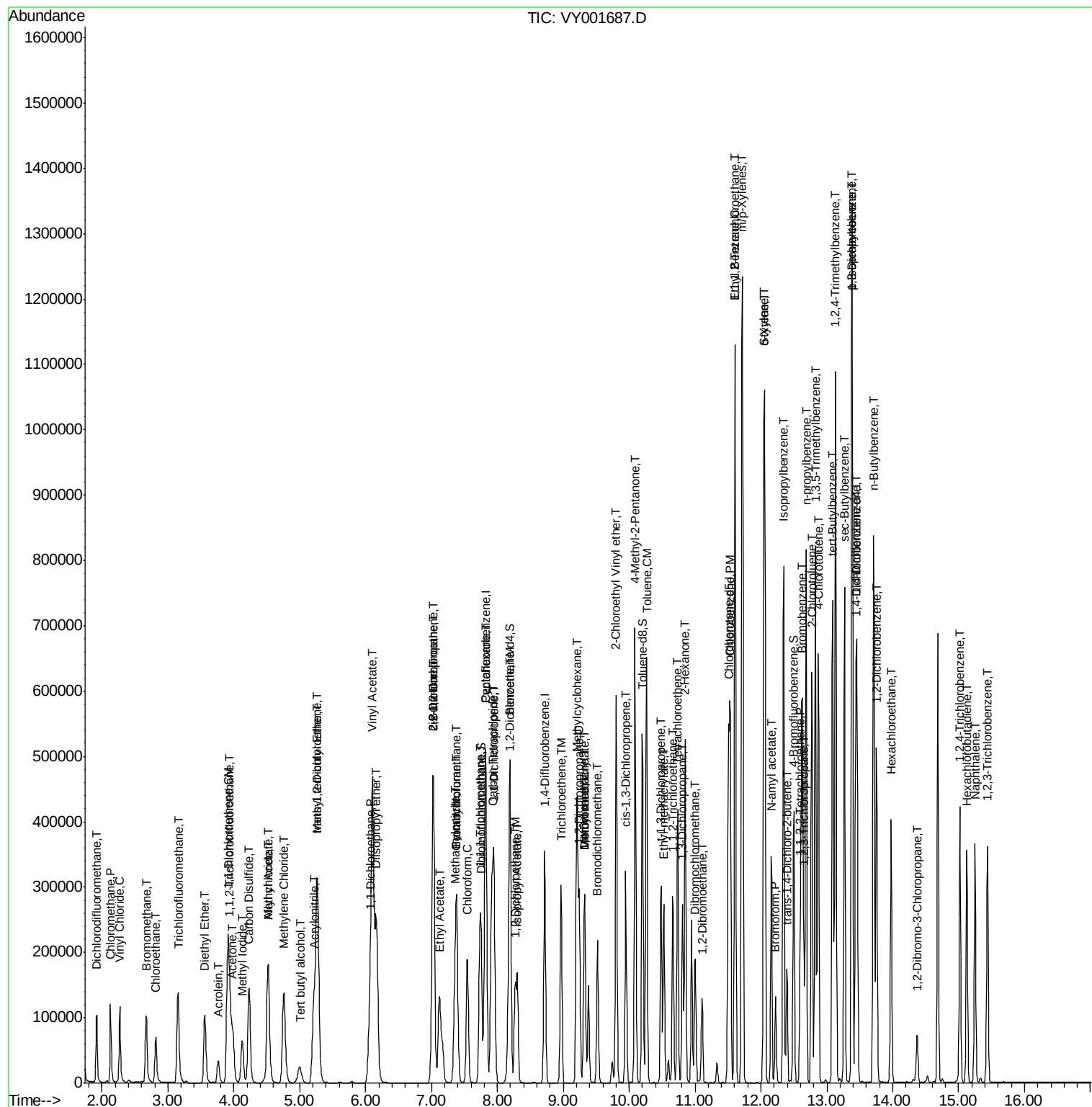
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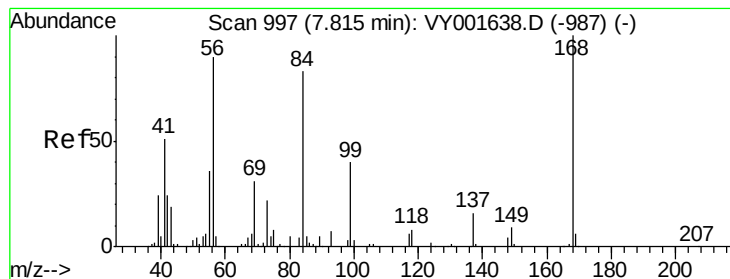
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164262

Ion Ratio Lower Upper

168 100

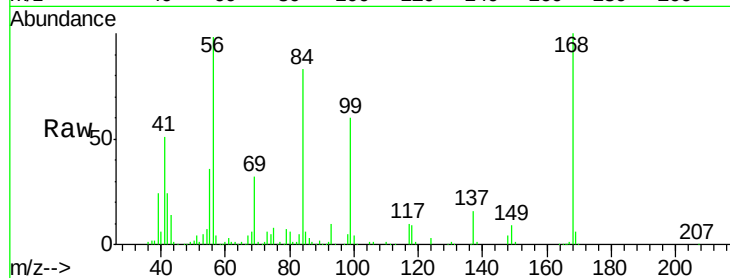
99 60.2 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001687.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001687.D (-948) (-)

7.82

60000

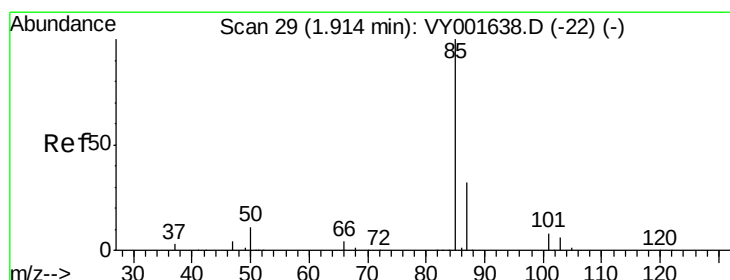
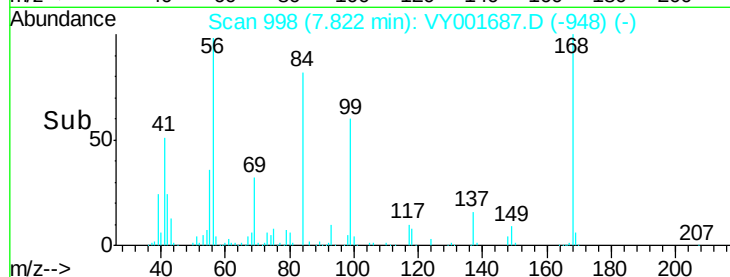
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 53.331 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001687.D

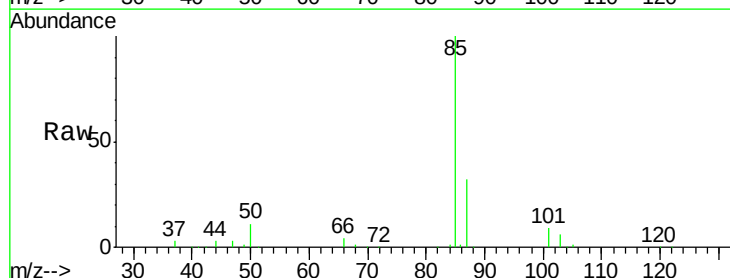
Acq: 18 Feb 2020 21:15

Tgt Ion: 85 Resp: 85393

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001687.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001687.D (-1) (-)

1.92

60000

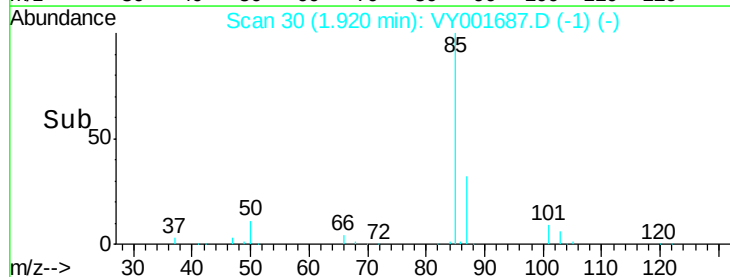
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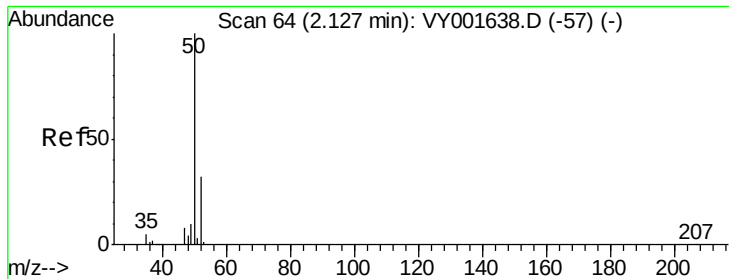
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.216 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 114609

Ion Ratio Lower Upper

50 100

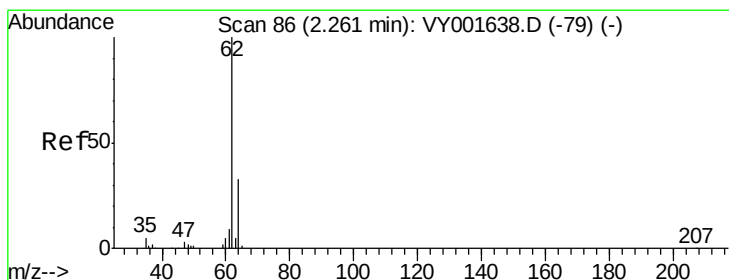
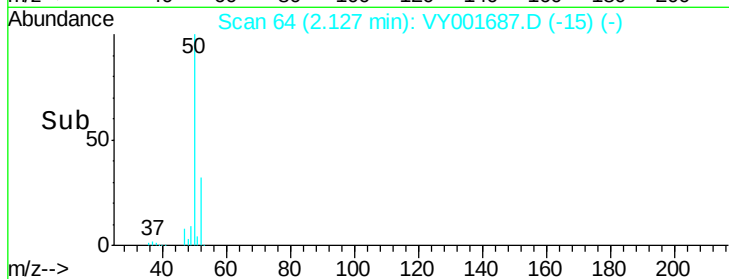
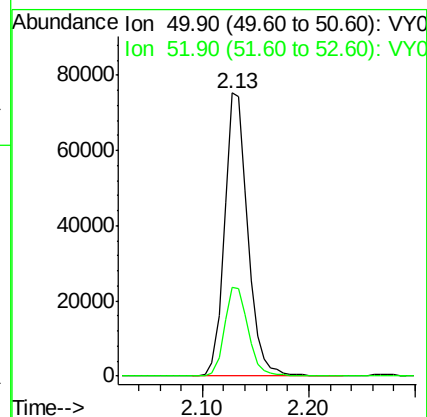
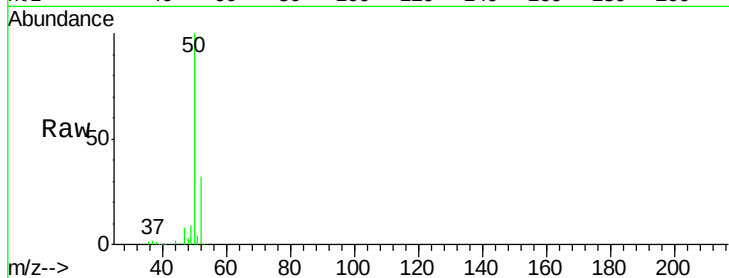
52 31.6 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.116 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001687.D

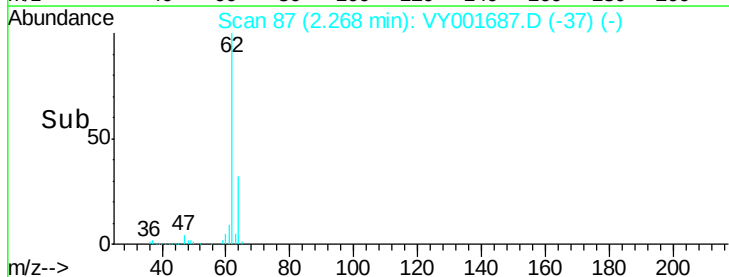
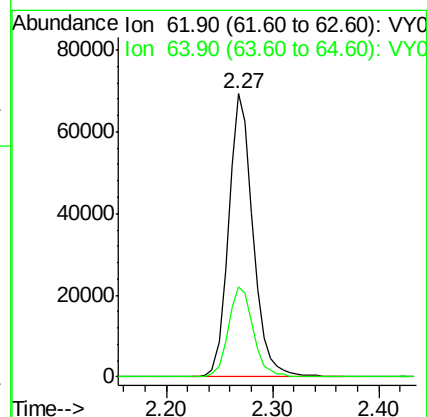
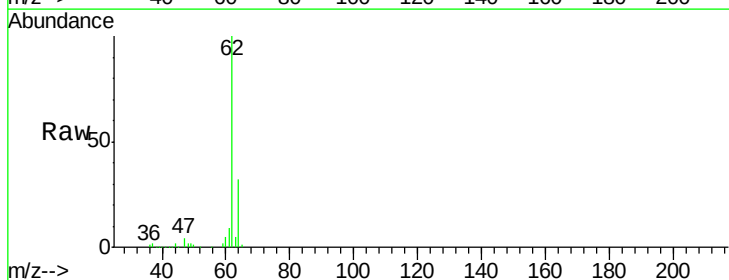
Acq: 18 Feb 2020 21:15

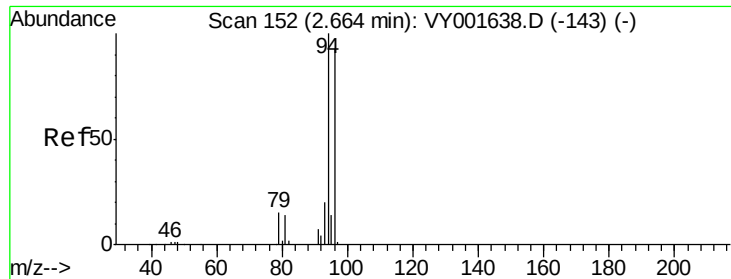
Tgt Ion: 62 Resp: 111037

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 54.799 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74396

Ion Ratio Lower Upper

94 100

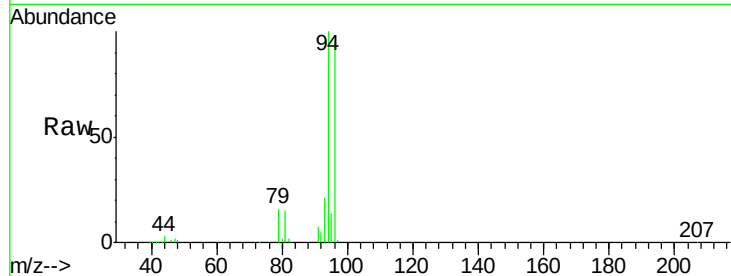
96 96.4 73.7 110.5

Manual Integrations

APPROVED

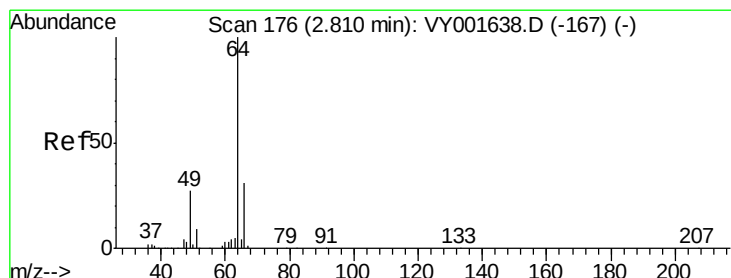
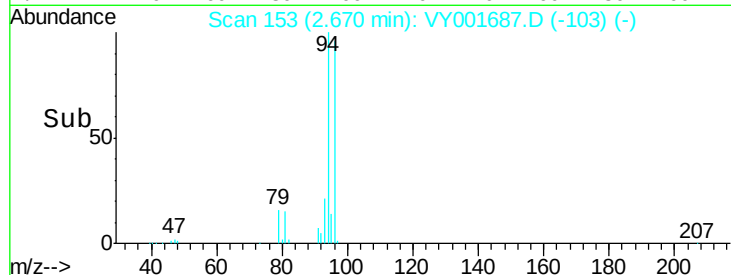
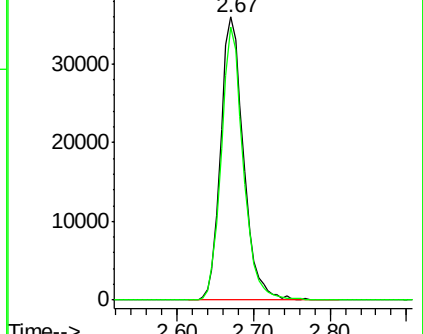
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.477 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001687.D

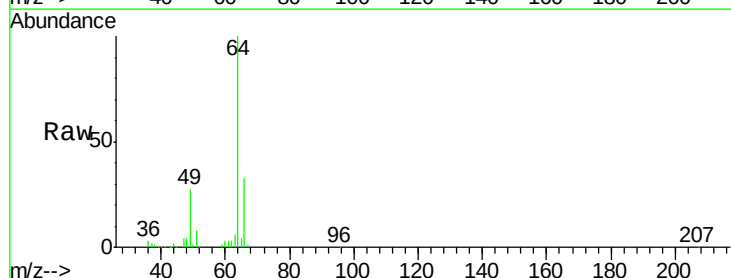
Acq: 18 Feb 2020 21:15

Tgt Ion: 64 Resp: 70244

Ion Ratio Lower Upper

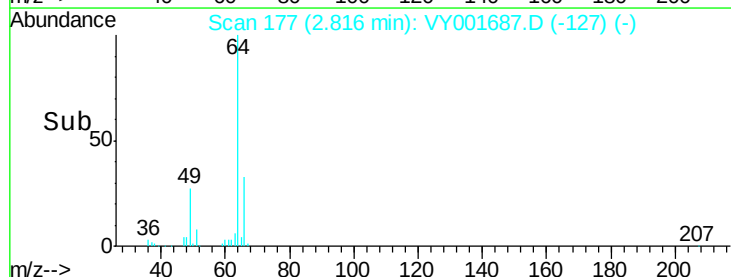
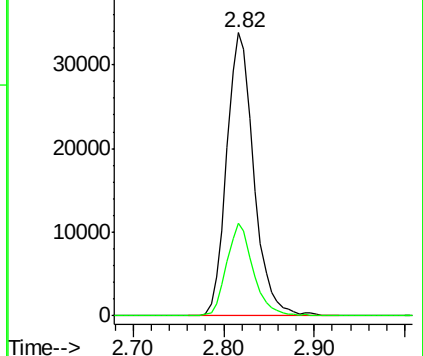
64 100

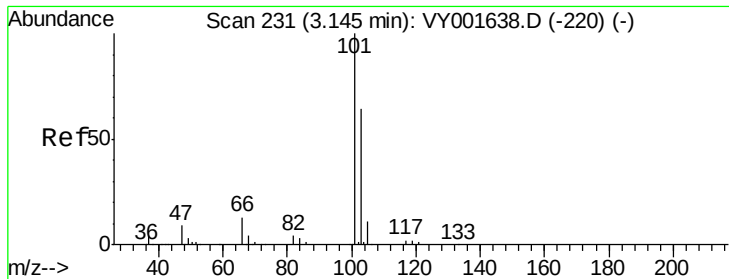
66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

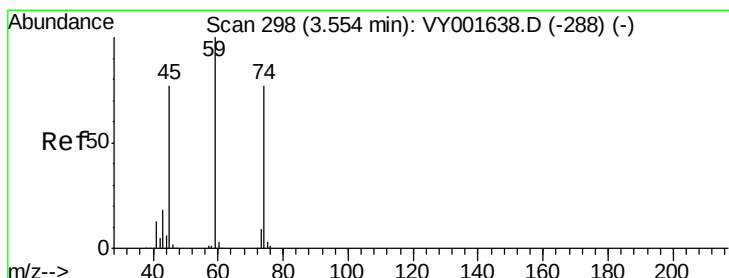
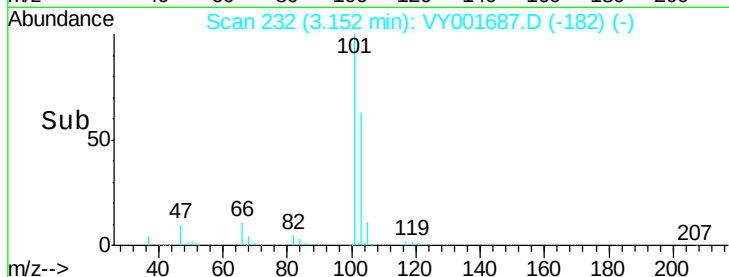
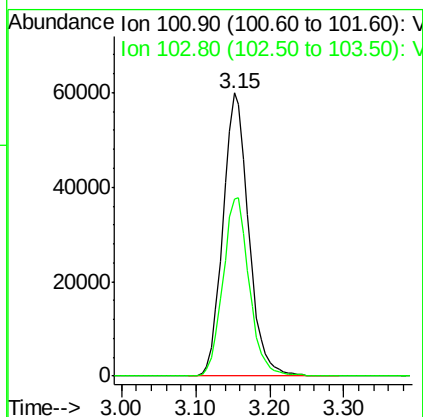
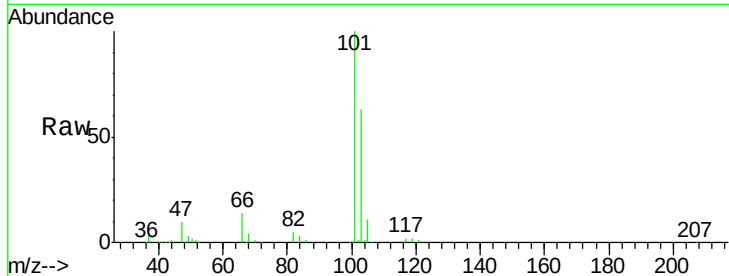
Trichlorofluoromethane
Concen: 51.944 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.2	78.2

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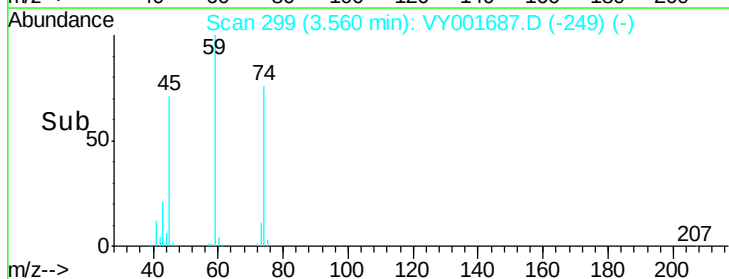
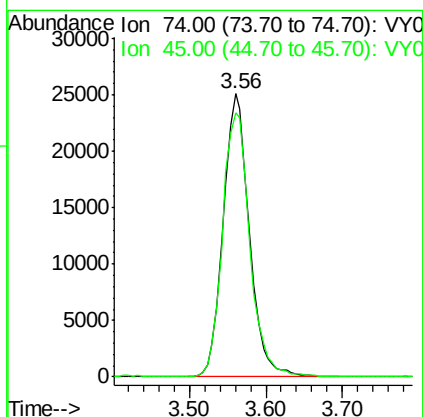
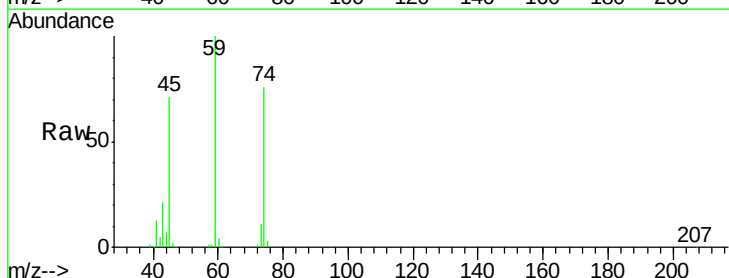
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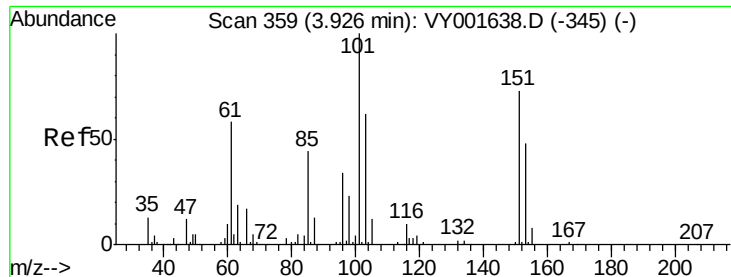


#8

Diethyl Ether
Concen: 54.100 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.887 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

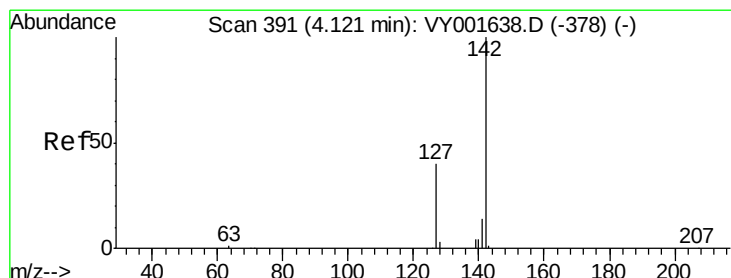
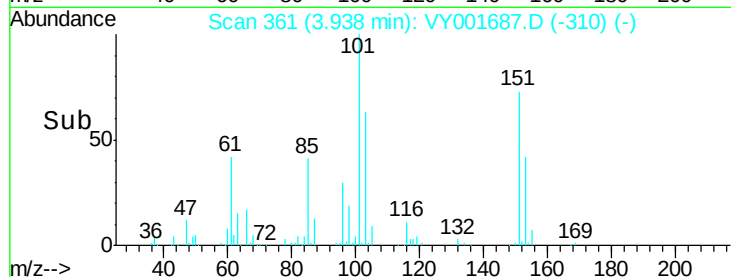
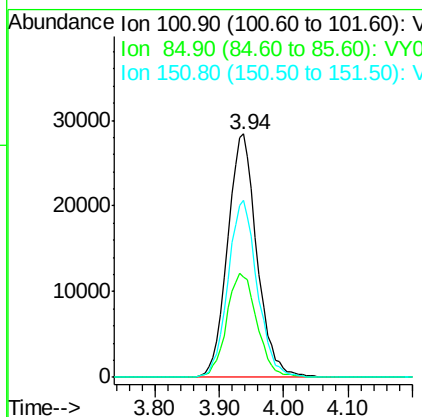
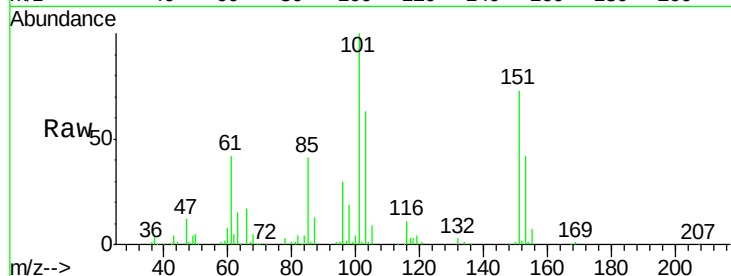
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	90670
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	72.5	58.4	87.6

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#10

Methyl Iodide

Concen: 52.397 ug/l

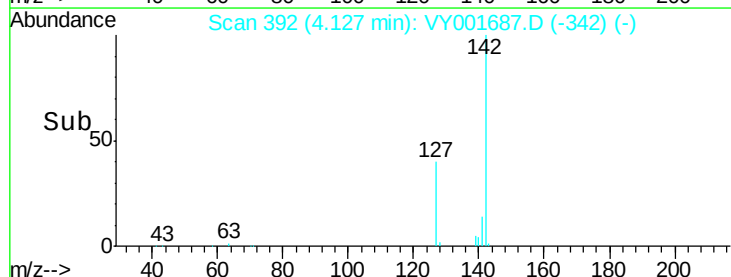
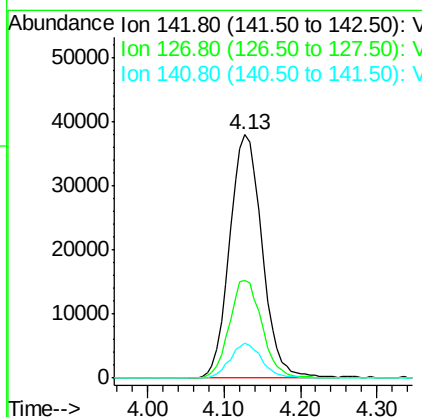
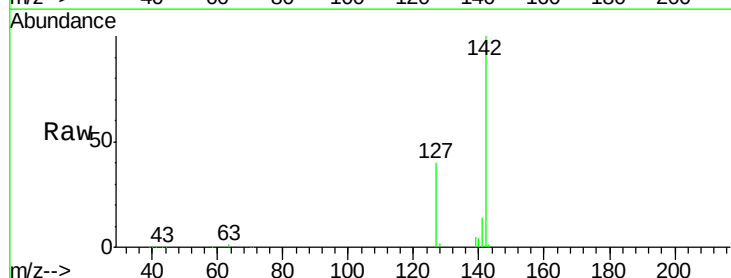
RT: 4.13 min Scan# 392

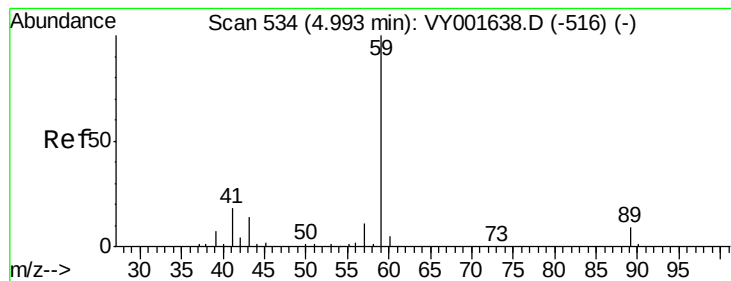
Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion:	142	Resp:	112059
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	13.9	11.3	16.9





#11

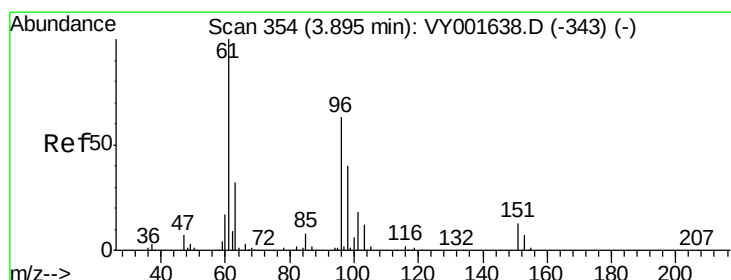
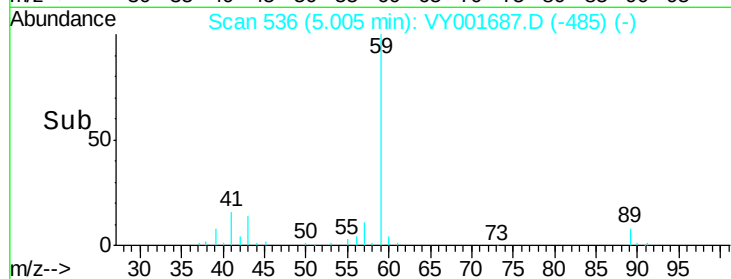
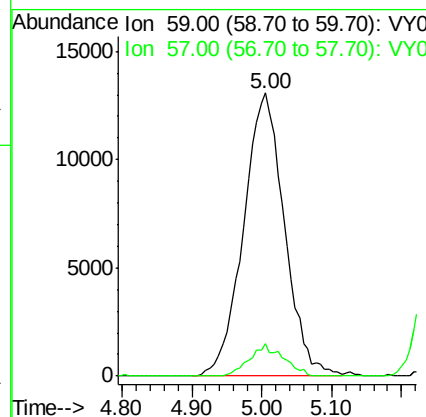
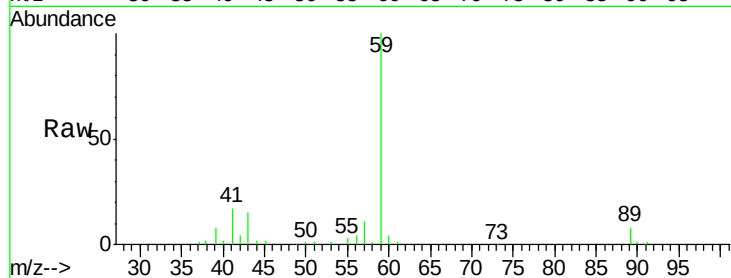
Tert butyl alcohol
 Concen: 260.300 ug/l
 RT: 5.00 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

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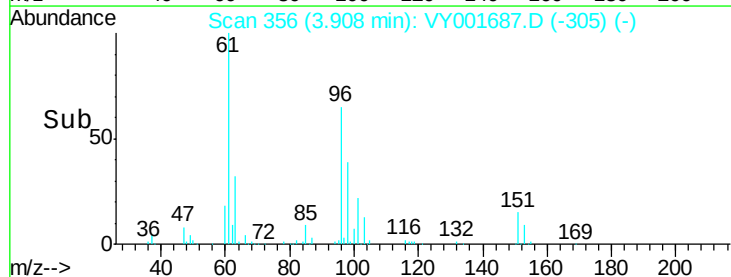
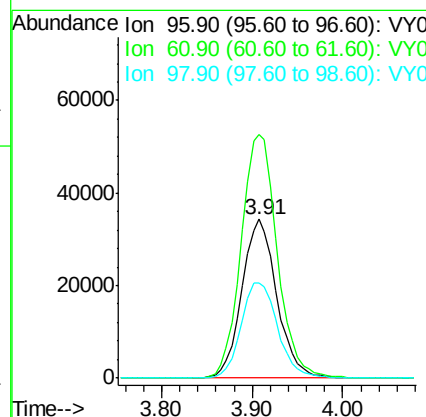
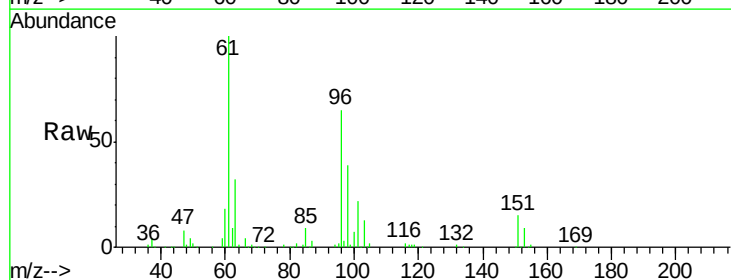
MMDadoda
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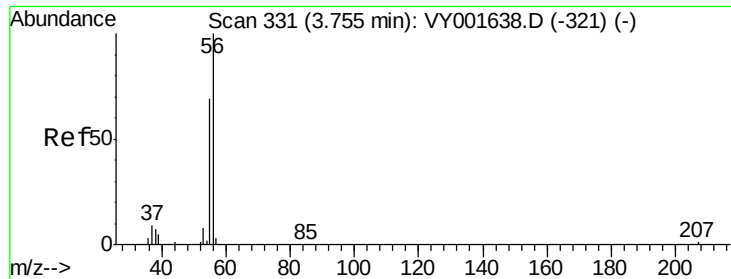


#12

1,1-Dichloroethene
 Concen: 51.544 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	128.7	193.1
98	59.8	50.7	76.1





#13

Acrolein

Concen: 230.619 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41153

Ion Ratio Lower Upper

56 100

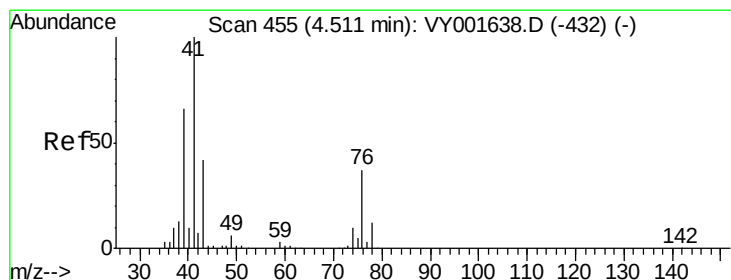
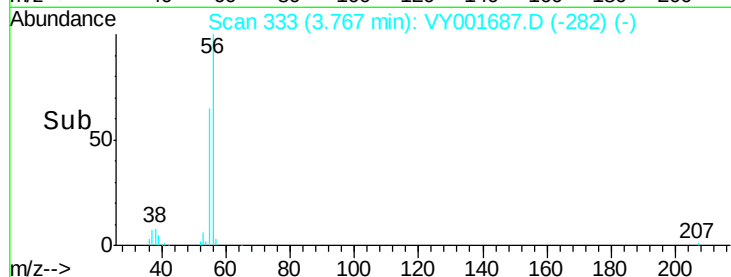
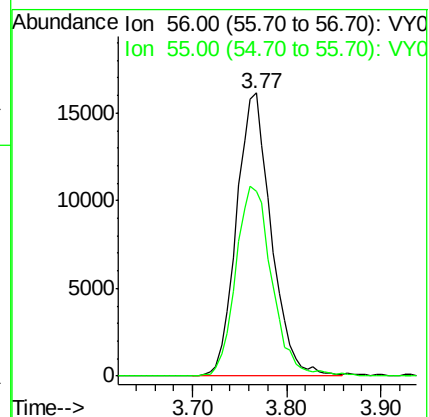
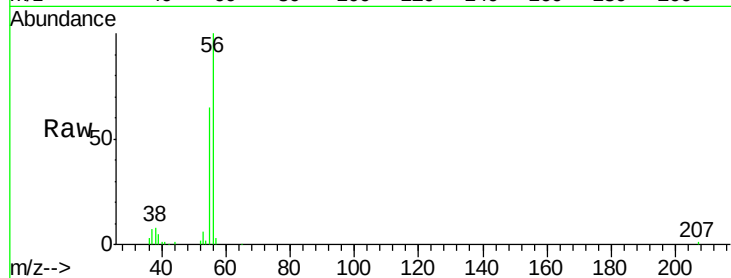
55 69.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.048 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

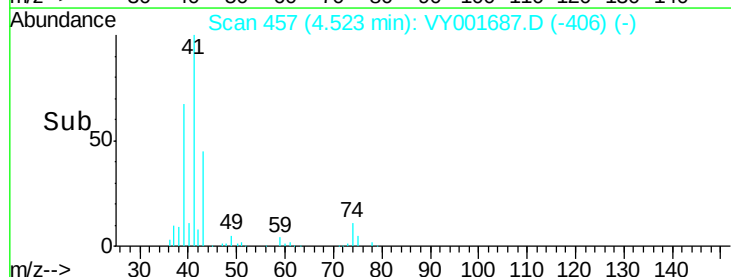
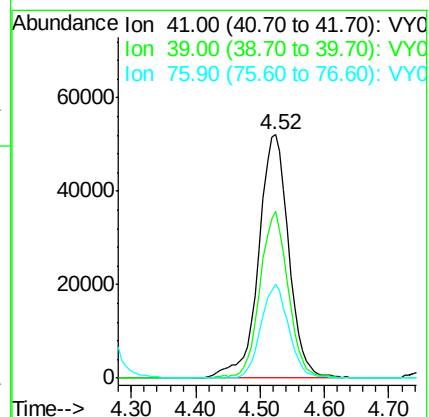
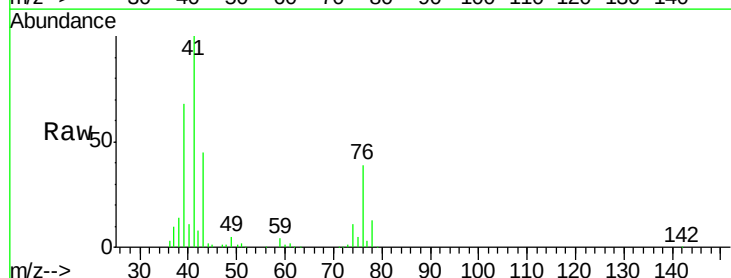
Tgt Ion: 41 Resp: 168266

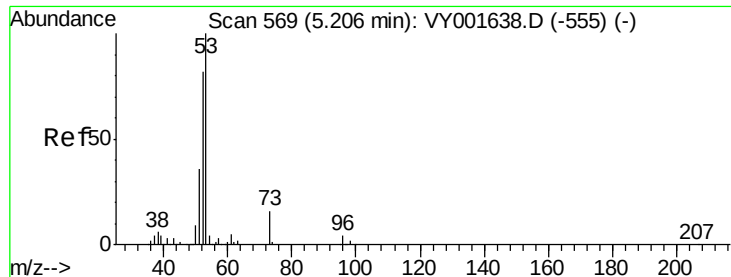
Ion Ratio Lower Upper

41 100

39 64.0 49.4 74.0

76 35.5 29.0 43.6





#15

Acrylonitrile

Concen: 280.446 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

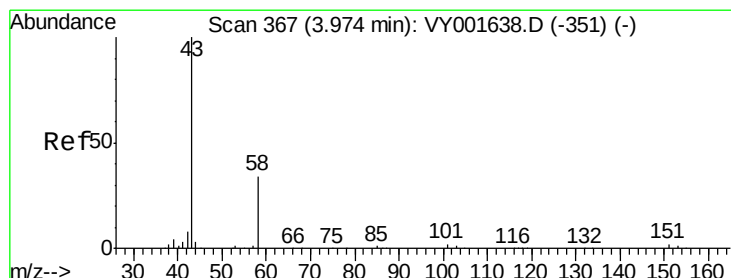
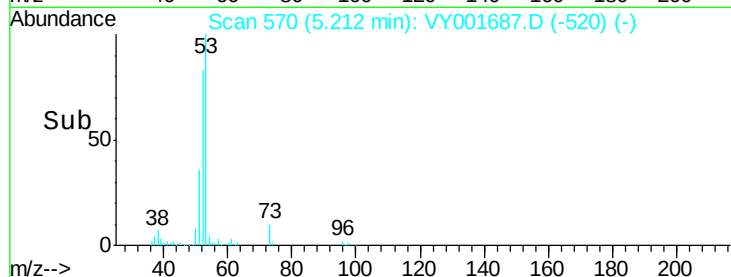
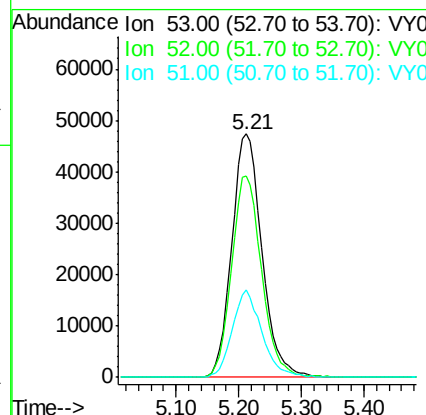
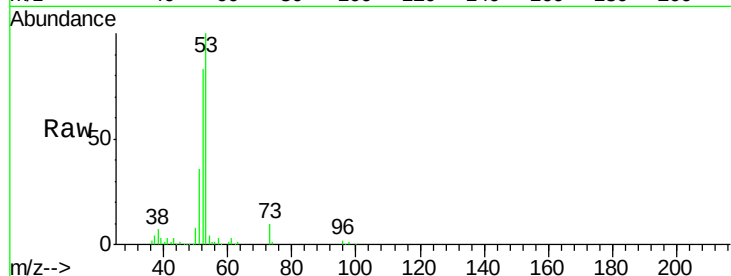
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	157549
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.4	98.0
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 211.578 ug/l

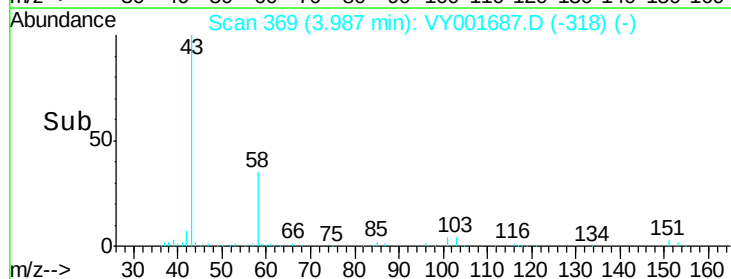
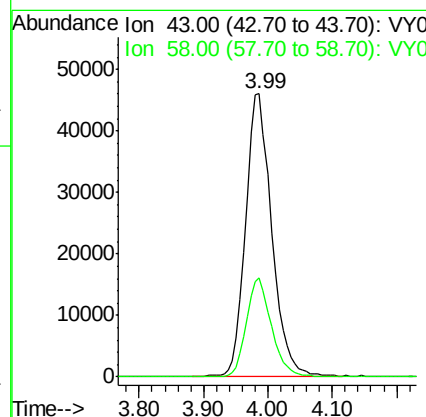
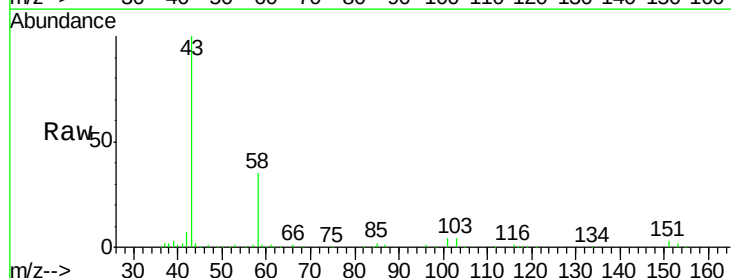
RT: 3.99 min Scan# 369

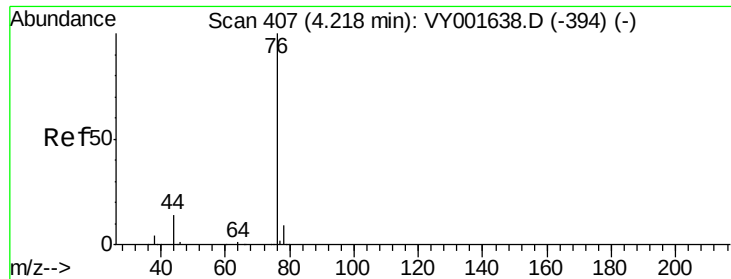
Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion:	43	Resp:	129350
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.3	40.9





#17

Carbon Disulfide

Concen: 50.450 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 300188

Ion Ratio Lower Upper

76 100

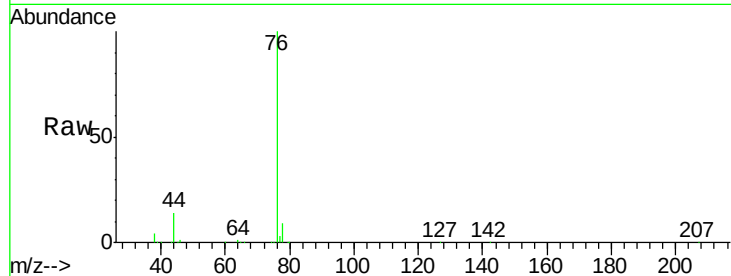
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.23

120000

100000

80000

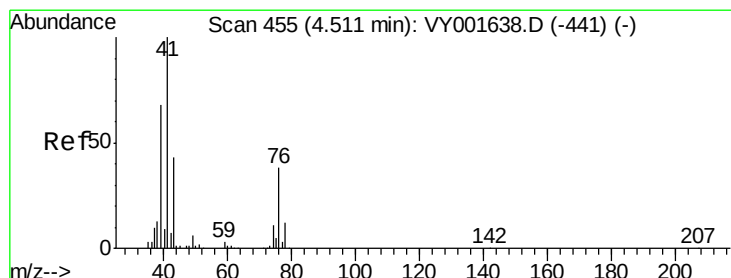
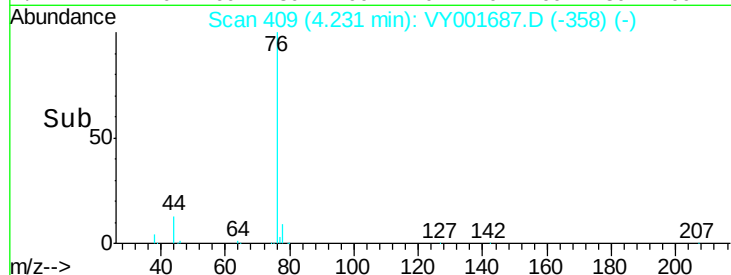
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.910 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001687.D

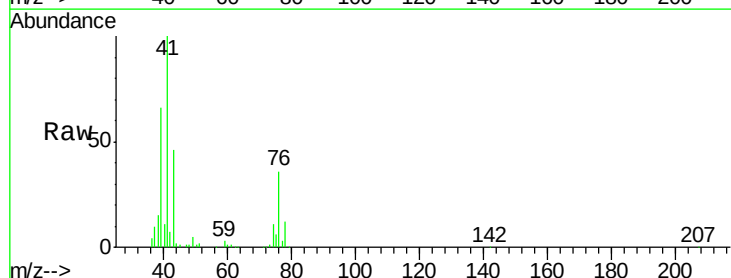
Acq: 18 Feb 2020 21:15

Tgt Ion: 43 Resp: 73106

Ion Ratio Lower Upper

43 100

74 23.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.52

25000

20000

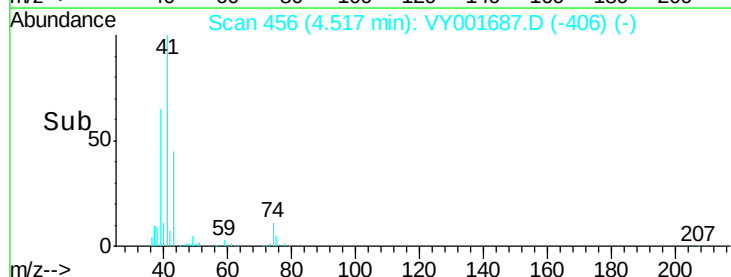
15000

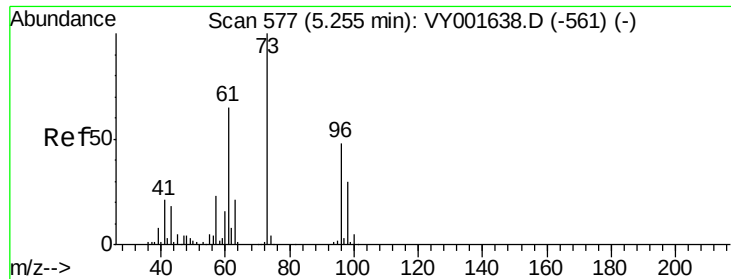
10000

5000

0

Time-->





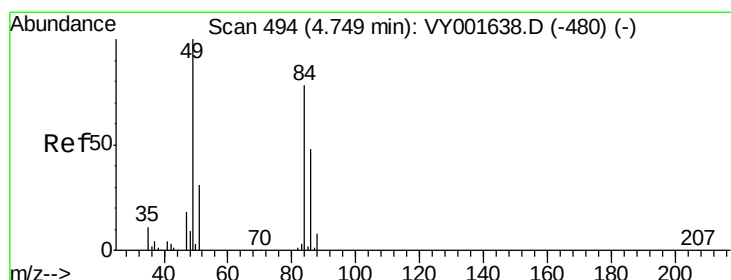
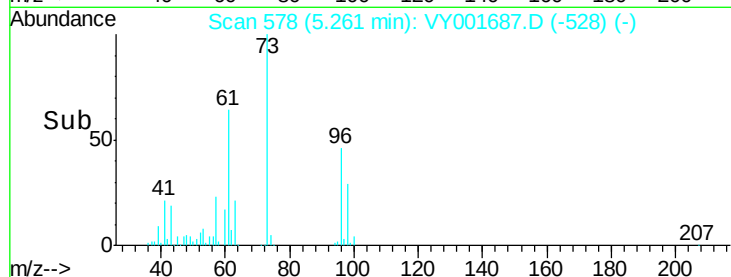
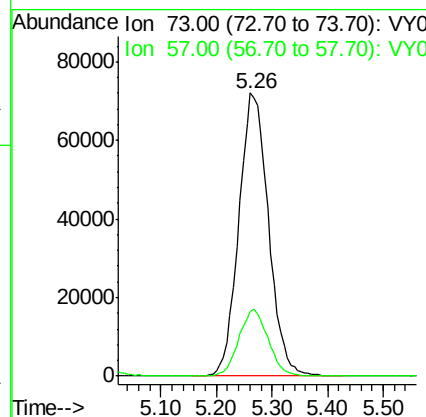
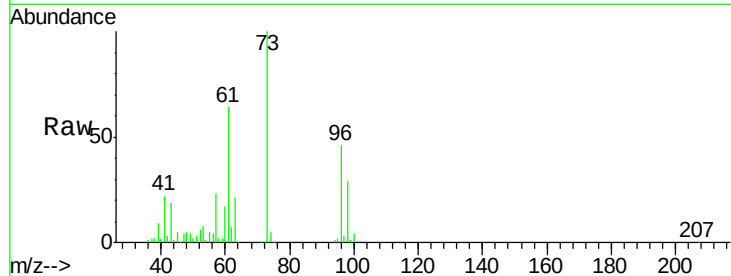
#19
Methyl tert-butyl Ether
Concen: 53.696 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 266449
Ion Ratio Lower Upper
73 100
57 23.0 19.0 28.6

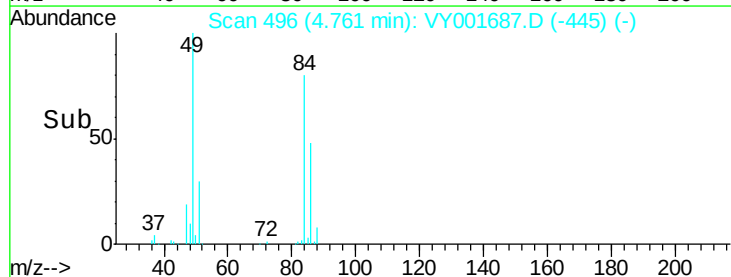
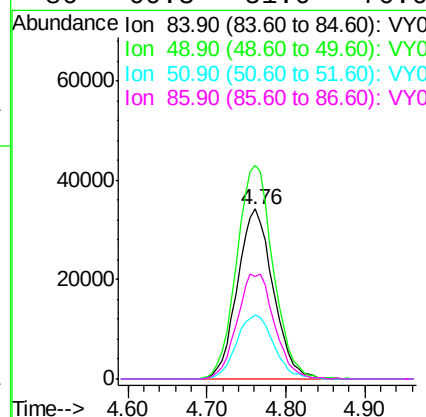
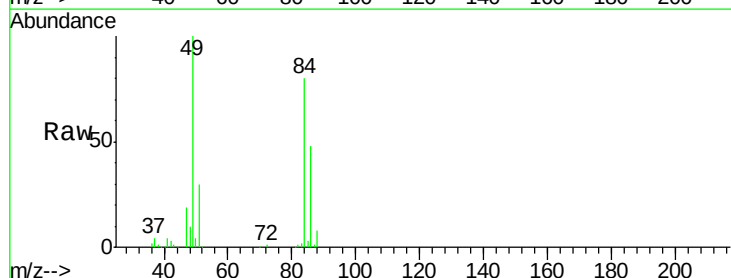
Manual Integrations
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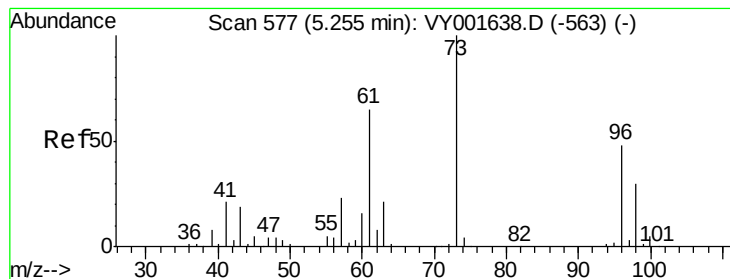
MMDadoda
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#20
Methylene Chloride
Concen: 49.702 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion: 84 Resp: 107931
Ion Ratio Lower Upper
84 100
49 125.7 99.2 148.8
51 37.6 31.5 47.3
86 60.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 52.255 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 106258

Ion Ratio Lower Upper

96 100

61 136.2 107.9 161.9

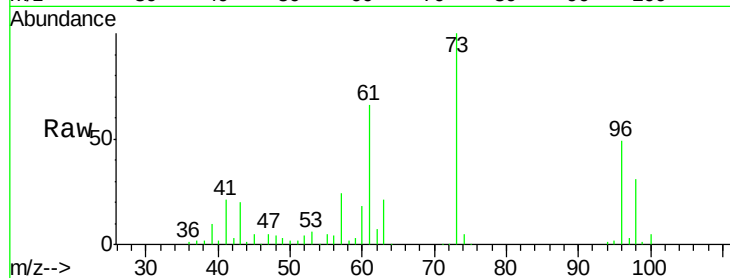
98 64.8 49.8 74.8

Manual Integrations

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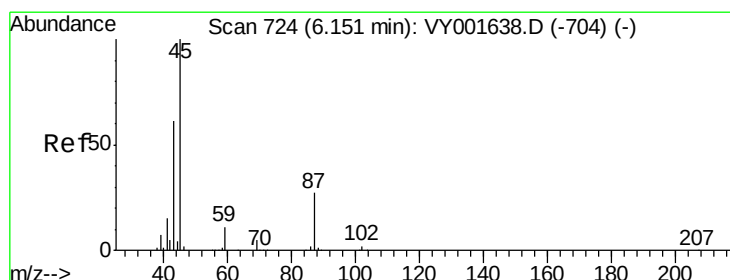
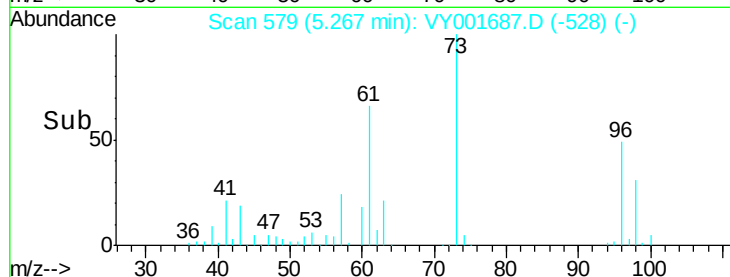
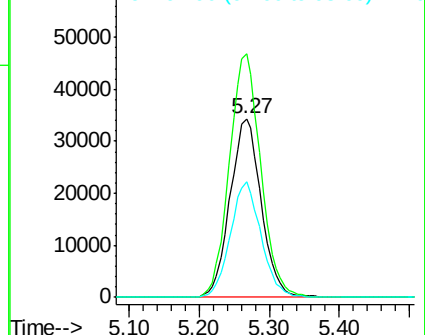


Abundance

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



#22

Diisopropyl ether

Concen: 54.856 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion: 45 Resp: 357333

Ion Ratio Lower Upper

45 100

43 56.6 46.4 69.6

87 25.3 22.1 33.1

59 10.9 9.4 14.0

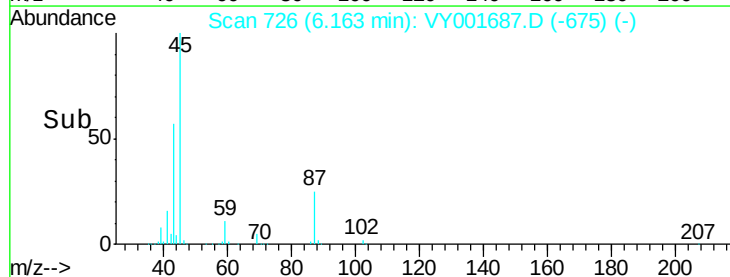
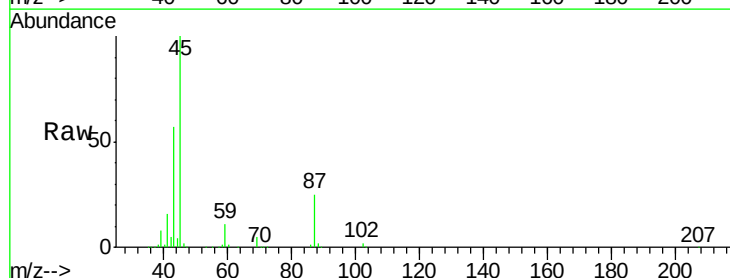
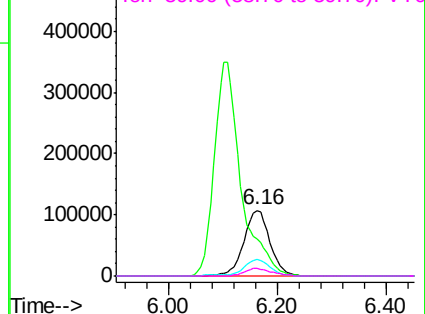
Abundance

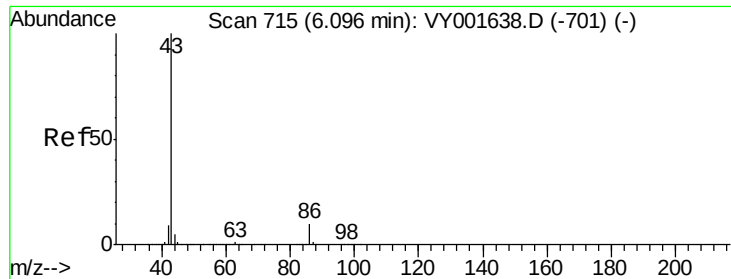
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





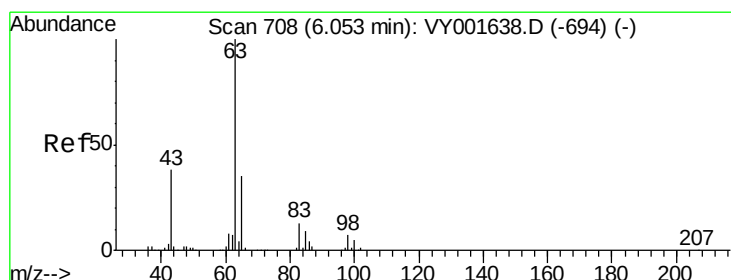
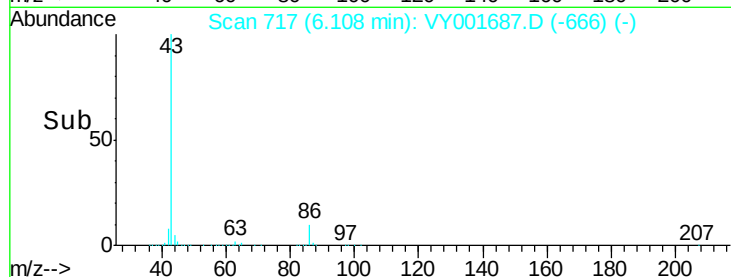
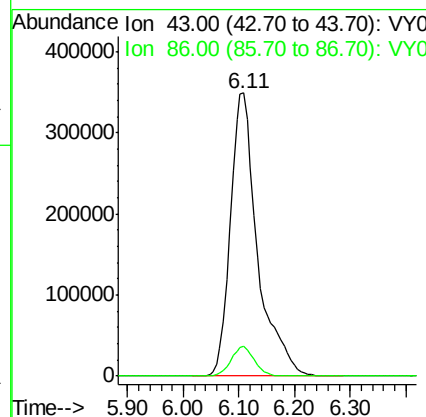
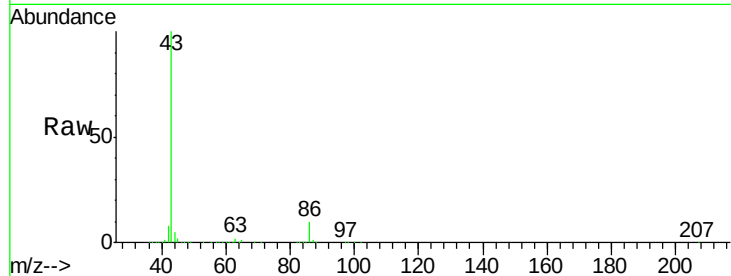
#23
 Vinyl Acetate
 Concen: 277.684 ug/l
 RT: 6.11 min Scan# 717
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1179875
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.8 13.2

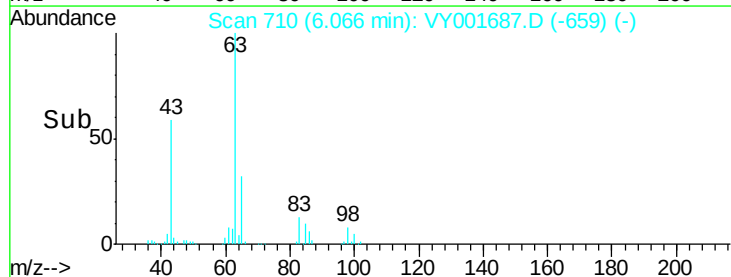
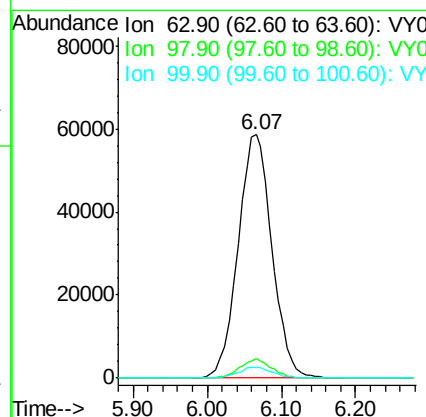
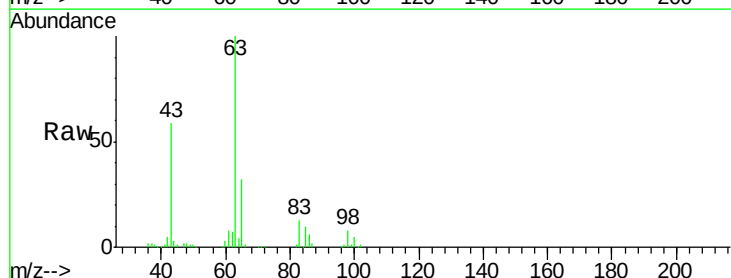
Manual Integrations
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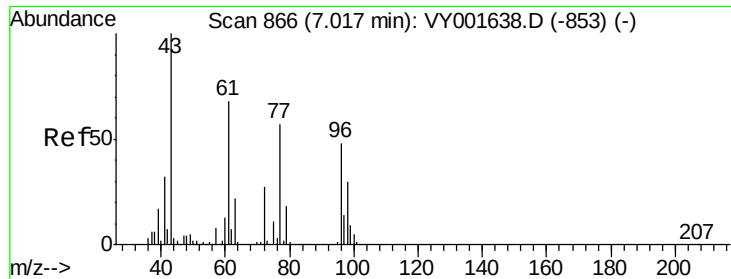
MMDadoda
 2/19/2020 1:43:02 PM



#24
 1,1-Dichloroethane
 Concen: 53.544 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion: 63 Resp: 186416
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.4 10.2
 100 4.6 2.3 6.9





#25

2-Butanone

Concen: 254.439 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 211313

Ion Ratio Lower Upper

43 100

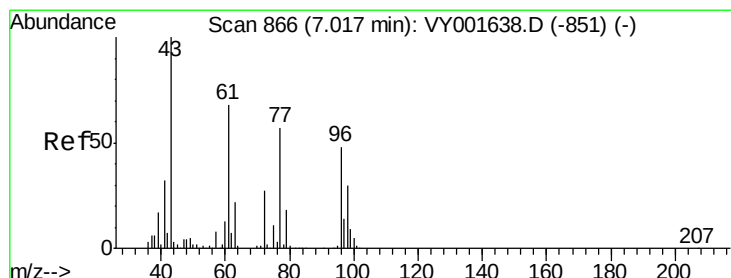
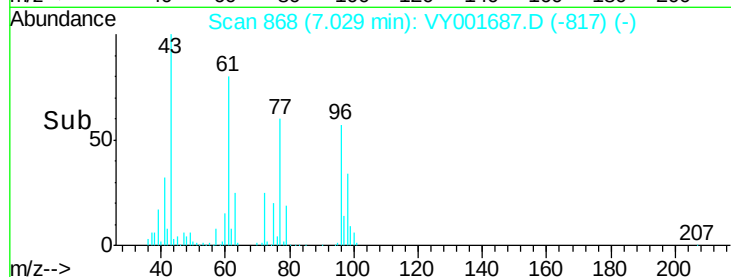
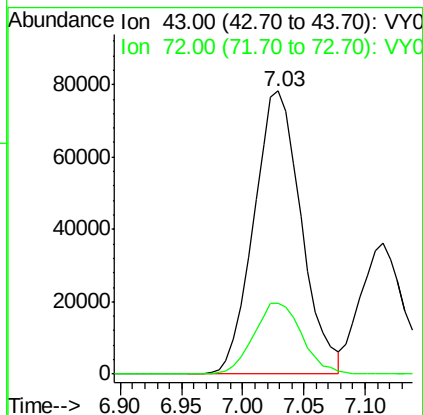
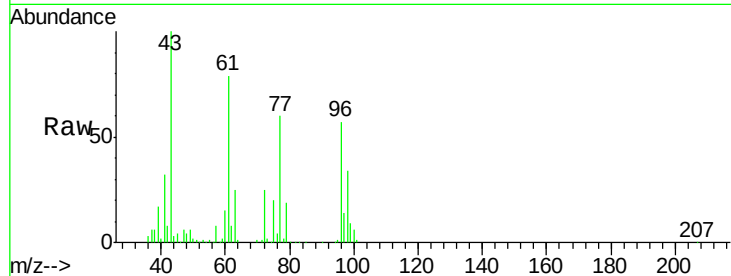
72 25.1 21.2 31.8

Manual Integrations

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MMDadoda

2/19/2020 1:43:02 PM



#26

2,2-Dichloropropane

Concen: 48.116 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001687.D

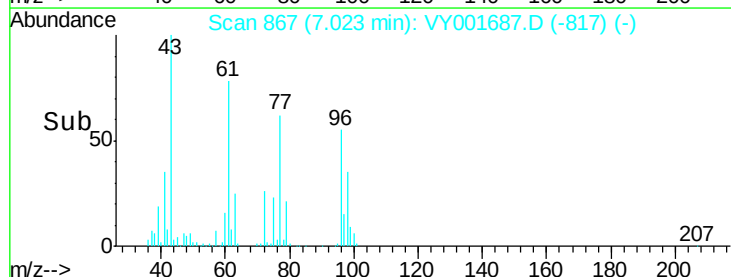
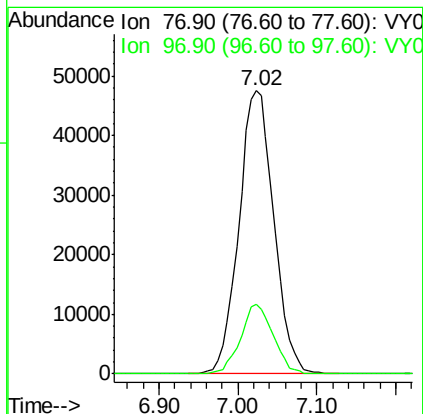
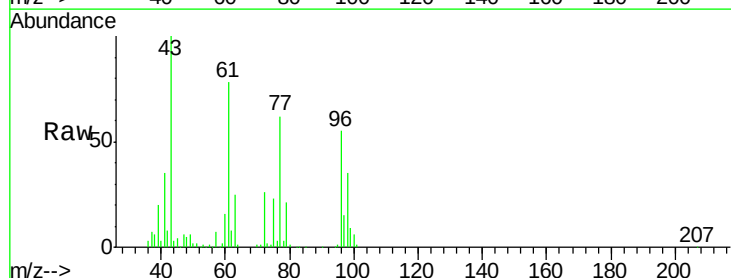
Acq: 18 Feb 2020 21:15

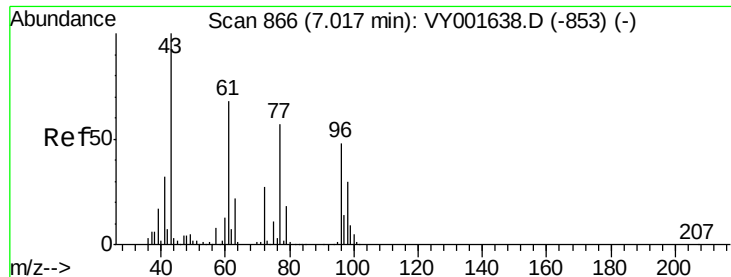
Tgt Ion: 77 Resp: 145745

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4





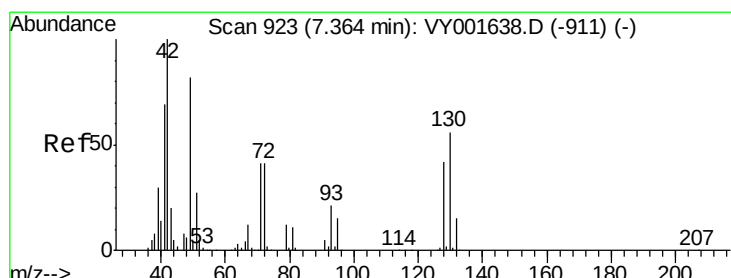
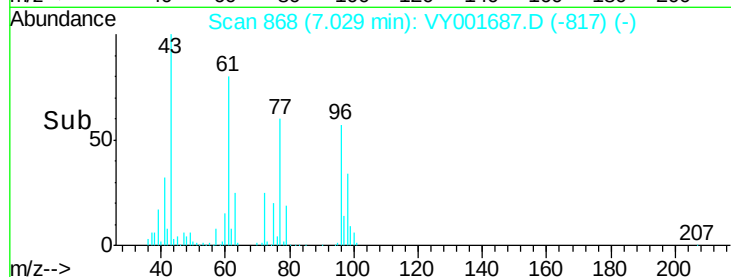
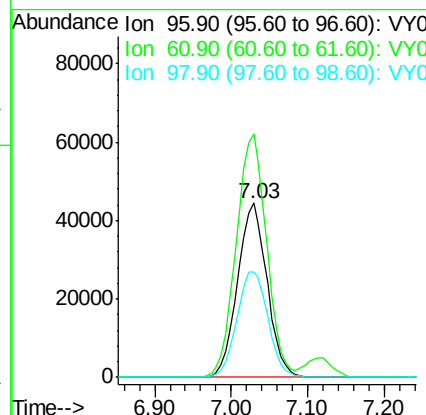
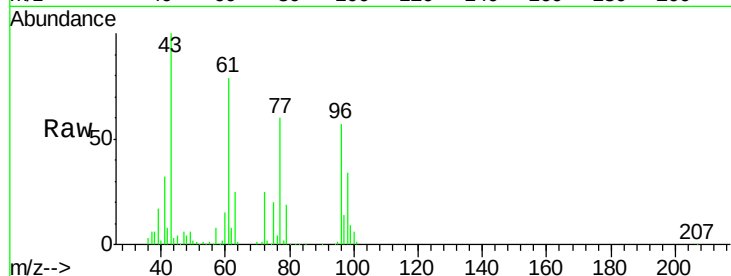
#27
 cis-1,2-Dichloroethene
 Concen: 52.942 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.8	0.0	290.8	
98	63.7	0.0	128.6	

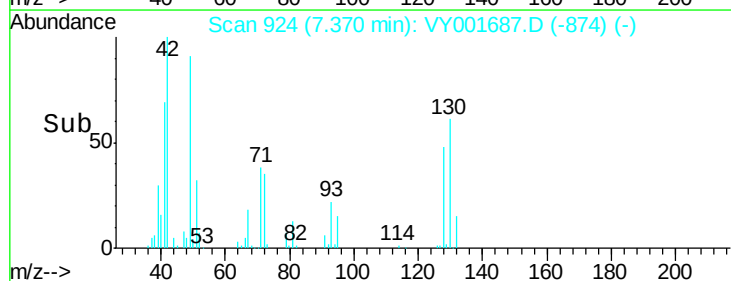
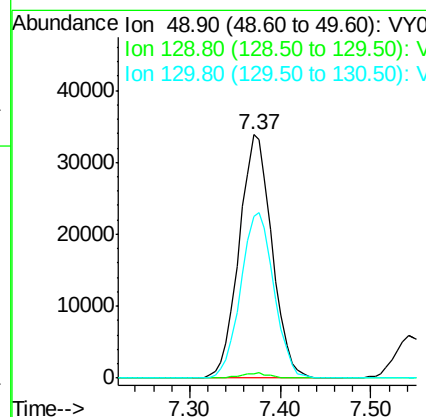
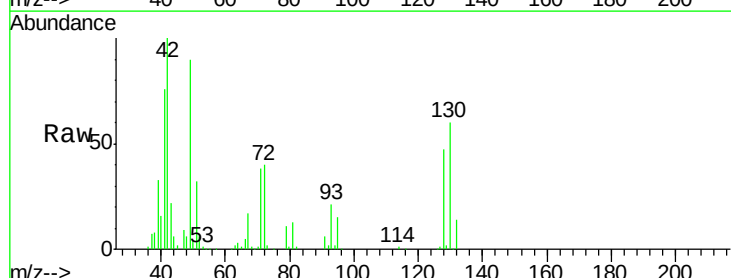
Manual Integrations
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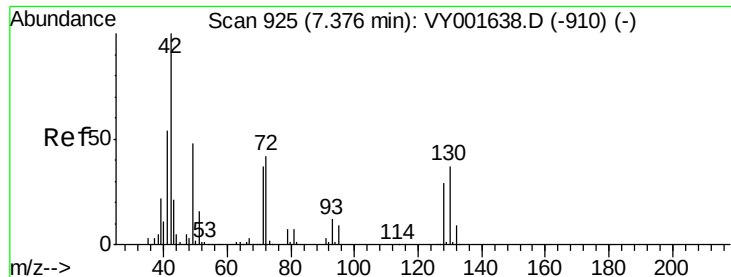
MMDadoda
 2/19/2020 1:43:02 PM



#28
 Bromochloromethane
 Concen: 58.597 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	68.5	56.2	84.4	





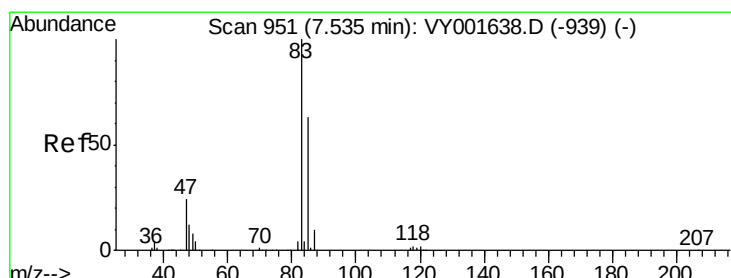
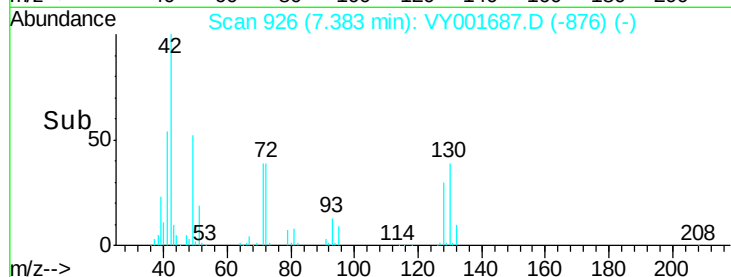
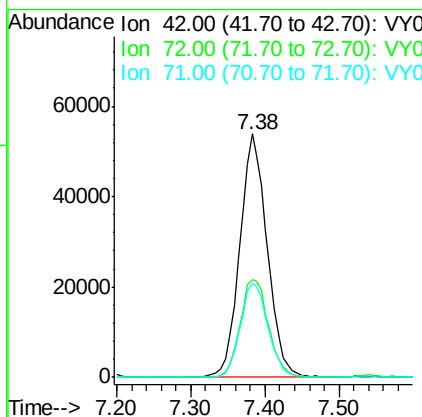
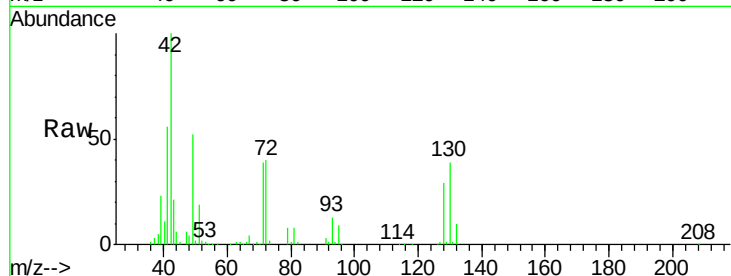
#29
Tetrahydrofuran
Concen: 276.623 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.4	51.6
71	39.1	31.8	47.8

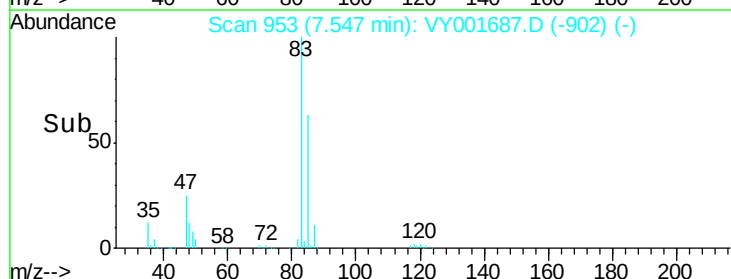
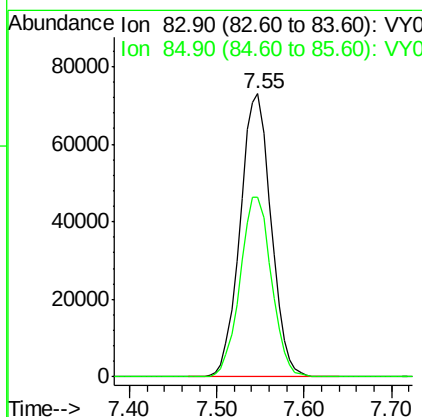
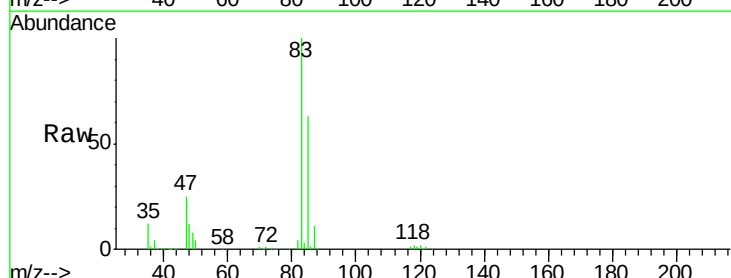
Manual Integrations
APPROVED

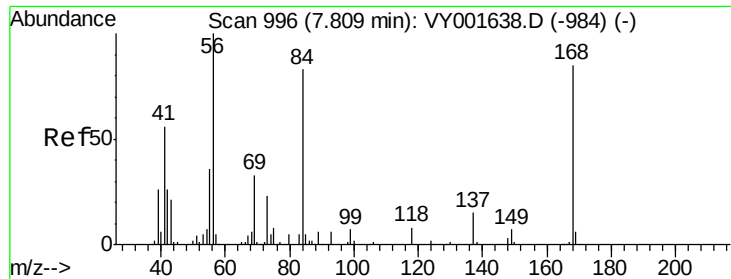
MMDadoda
2/19/2020 1:43:02 PM



#30
Chloroform
Concen: 52.742 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4





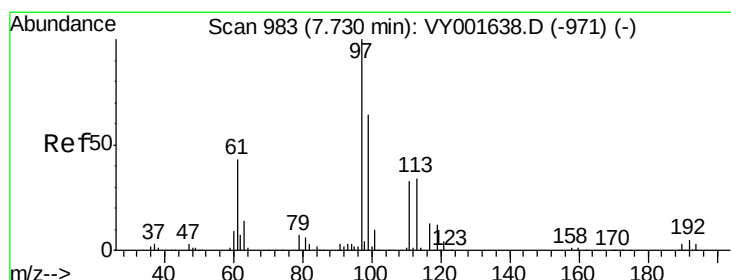
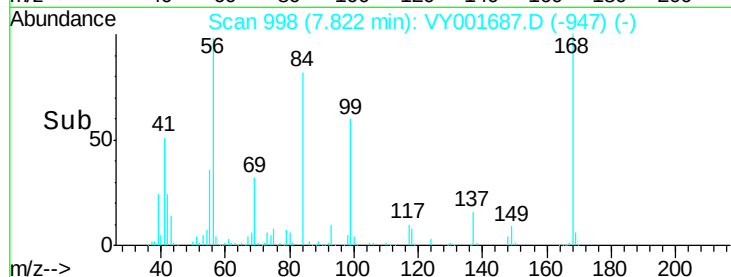
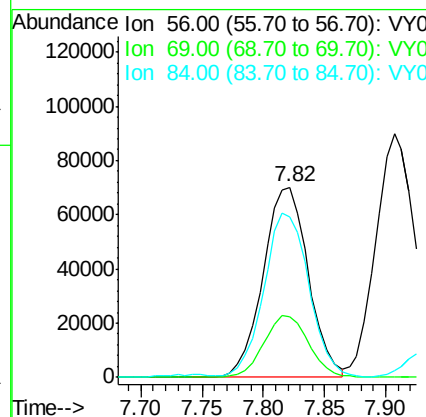
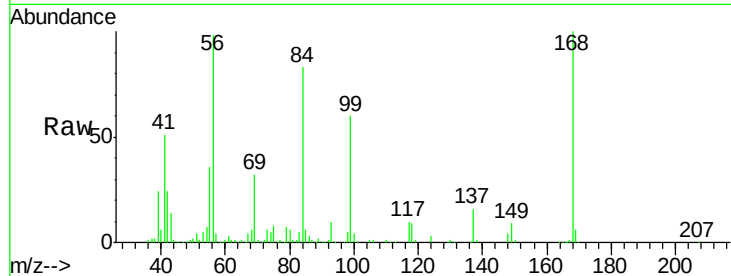
#31
Cyclohexane
Concen: 48.577 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.1	37.7
84	83.0	66.9	100.3

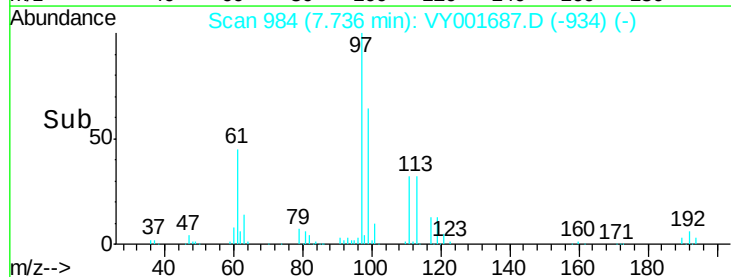
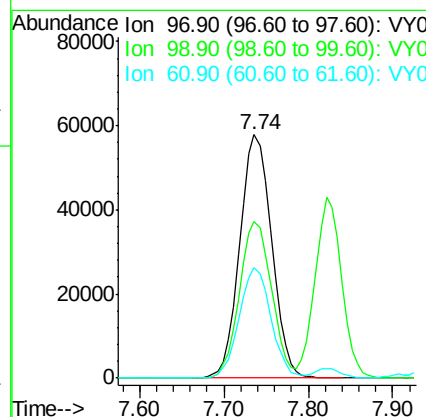
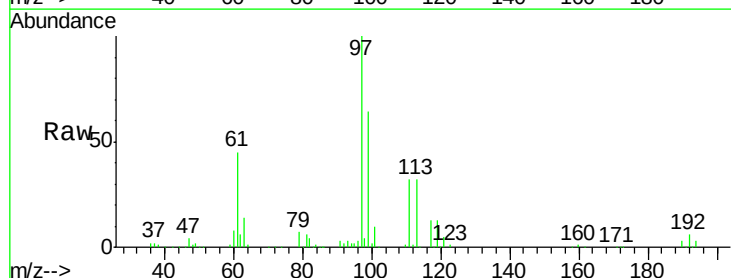
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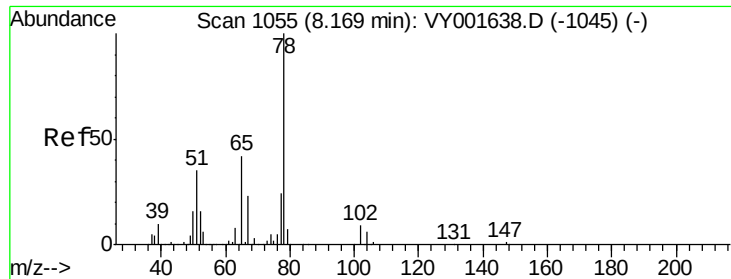
MMDadoda
2/19/2020 1:43:02 PM



#32
1,1,1-Trichloroethane
Concen: 51.712 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.2	76.8
61	45.3	35.0	52.6





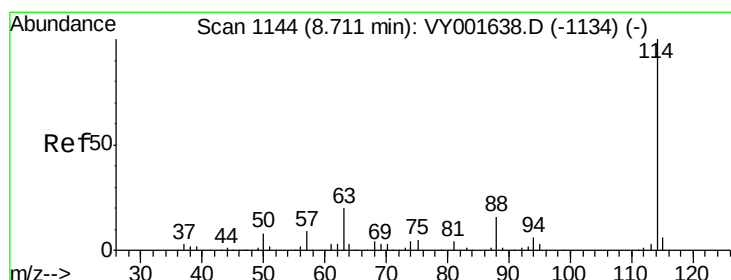
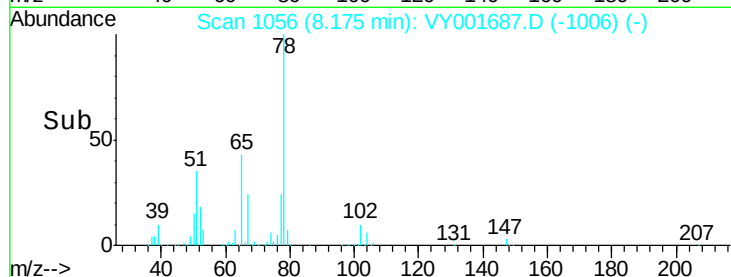
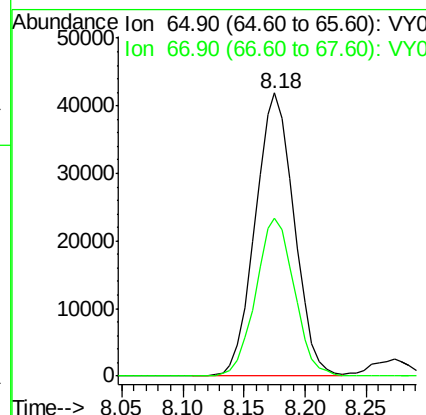
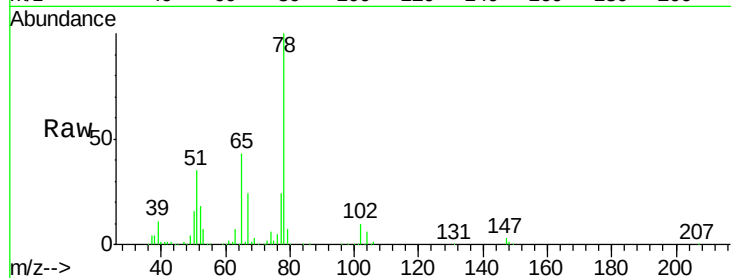
#33
 1,2-Dichloroethane-d4
 Concen: 52.419 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	92618		
67	55.2	0.0	111.0	

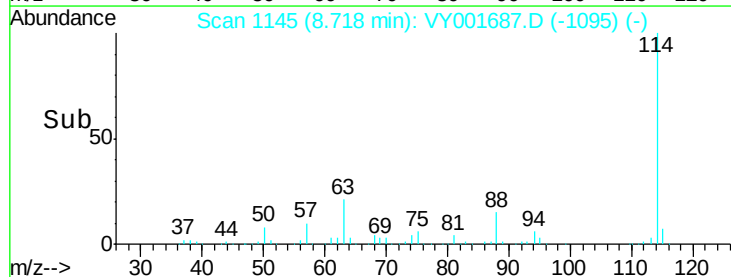
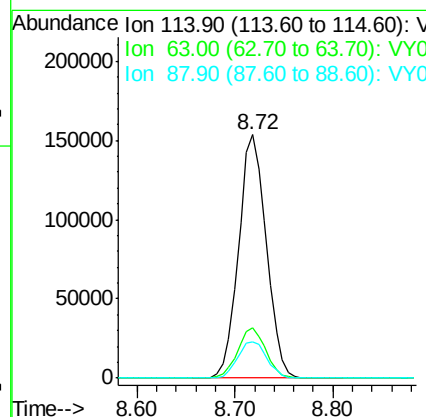
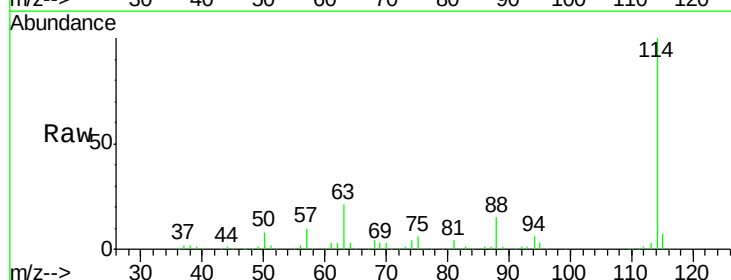
Manual Integrations
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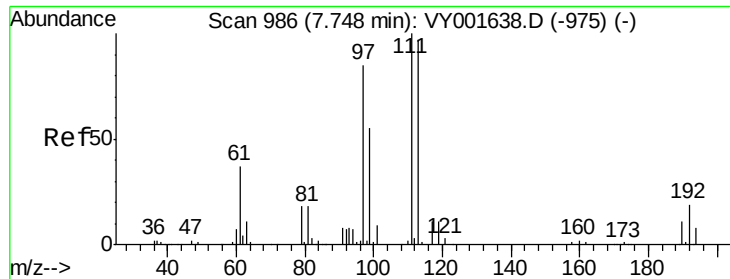
MMDadoda
 2/19/2020 1:43:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	301174		
63	20.8	0.0	41.4	
88	15.0	0.0	32.8	





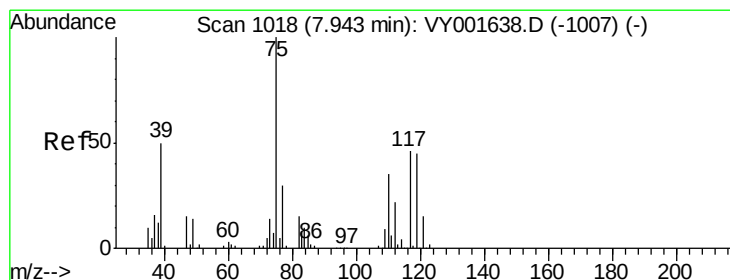
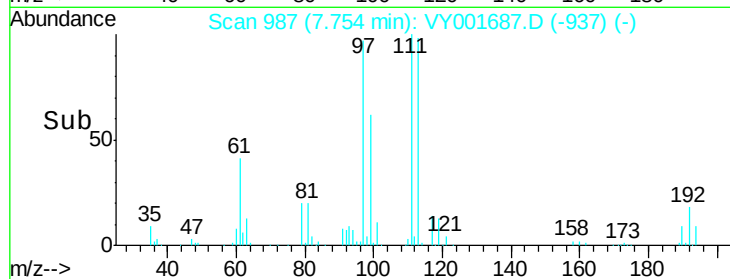
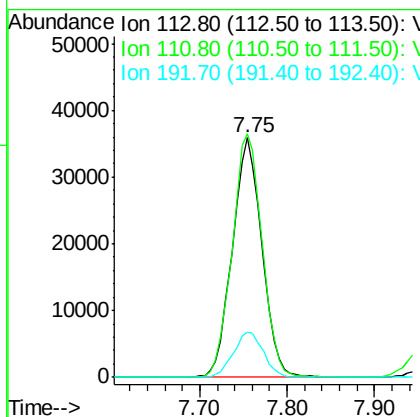
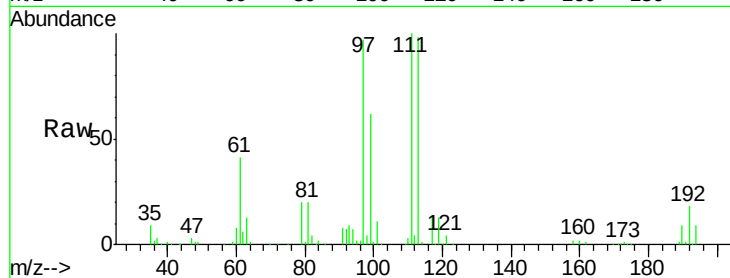
#35
 Dibromofluoromethane
 Concen: 48.761 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84112		
111	103.1	81.9	122.9	
192	19.0	14.3	21.5	

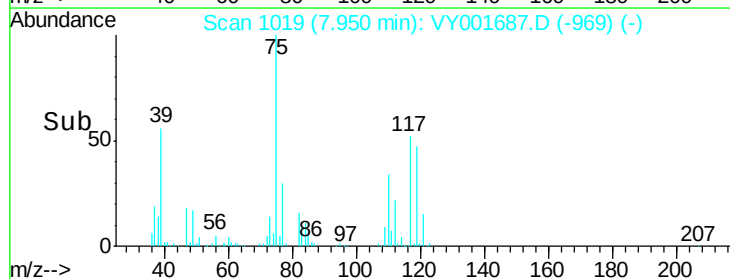
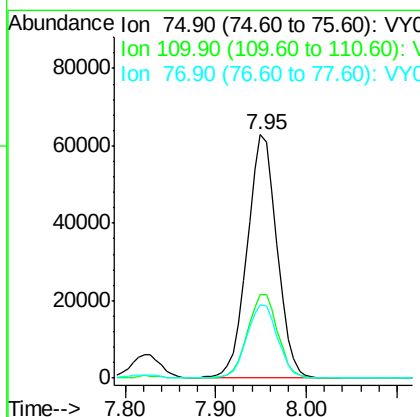
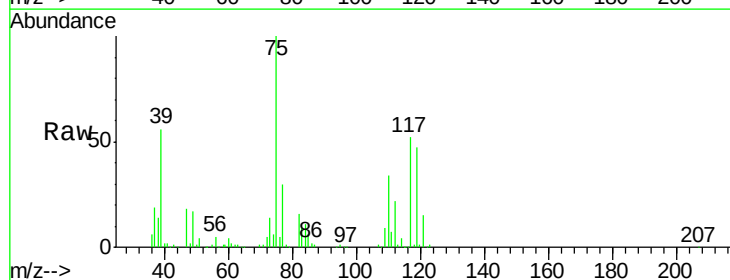
Manual Integrations
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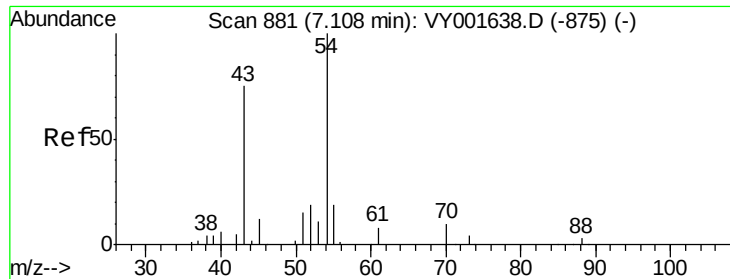
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.719 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143031		
110	34.9	17.2	51.6	
77	31.0	24.8	37.2	





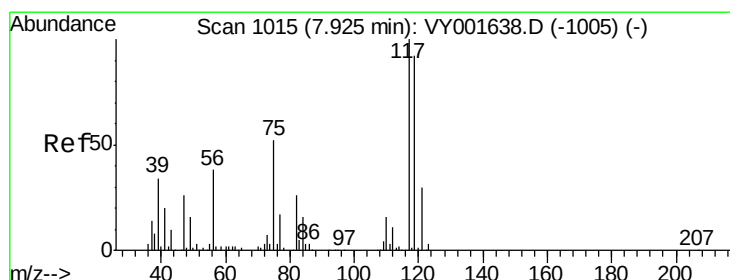
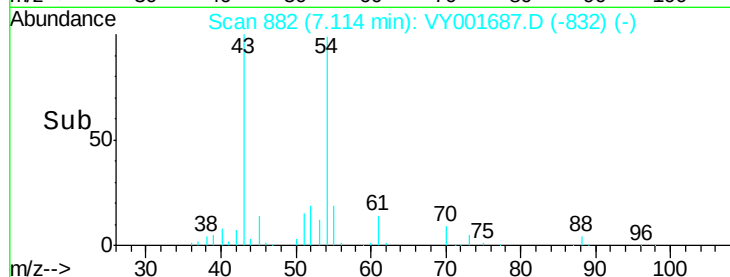
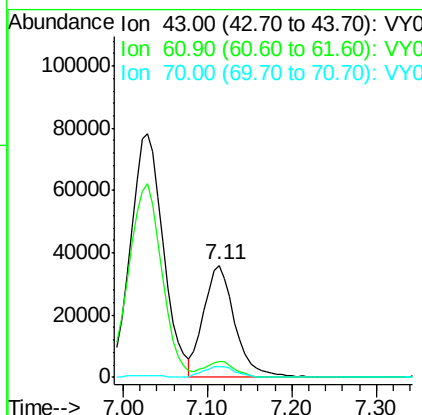
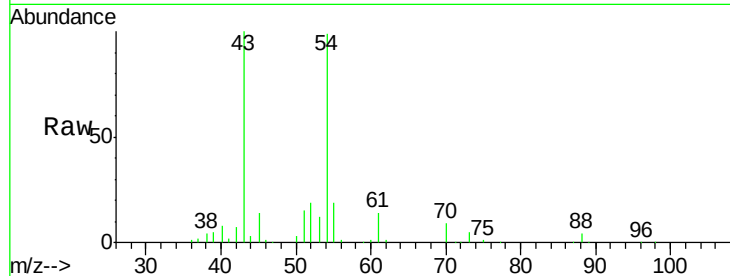
#37
Ethyl Acetate
Concen: 53.612 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.2	8.8	13.2

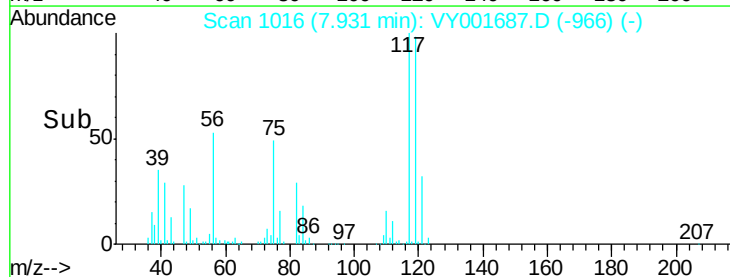
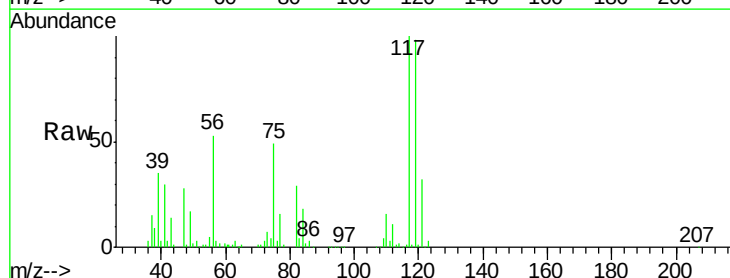
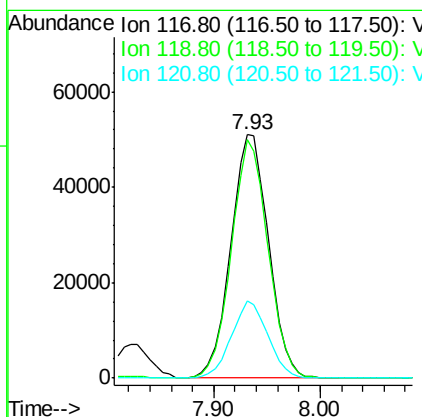
Manual Integrations
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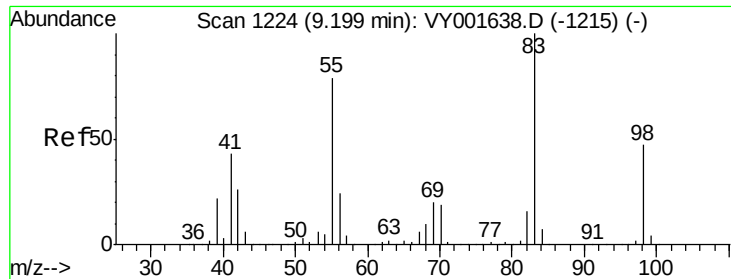
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.158 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.8	112.2
121	31.7	23.8	35.6





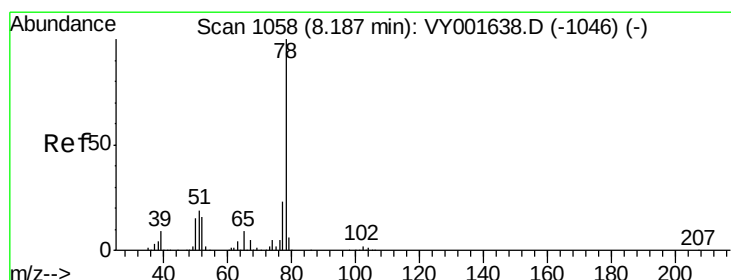
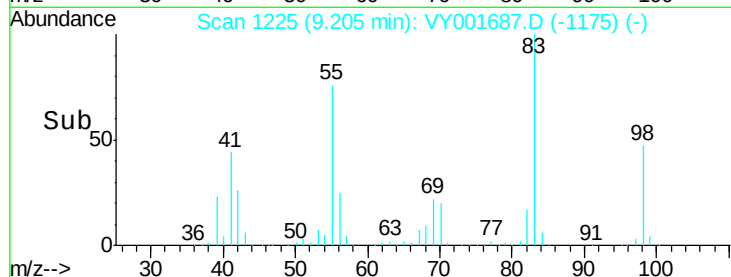
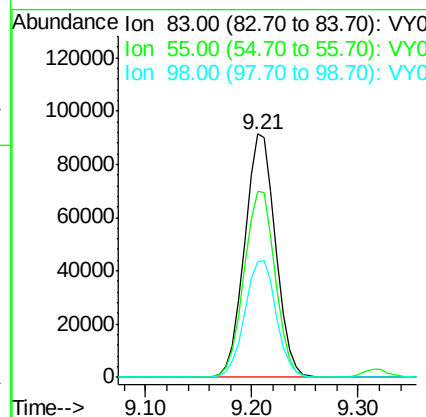
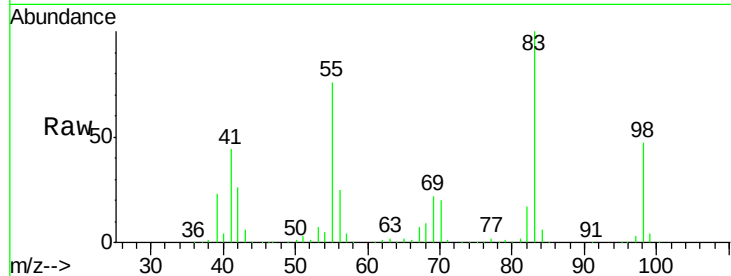
#39
Methylvlcyclohexane
Concen: 48.844 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.3	91.9
98	47.5	38.0	57.0

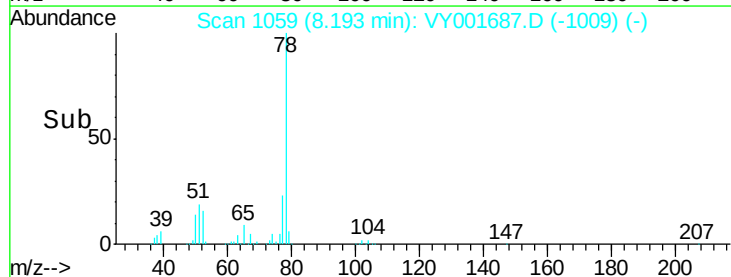
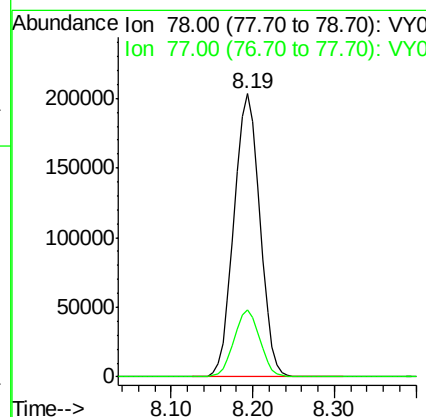
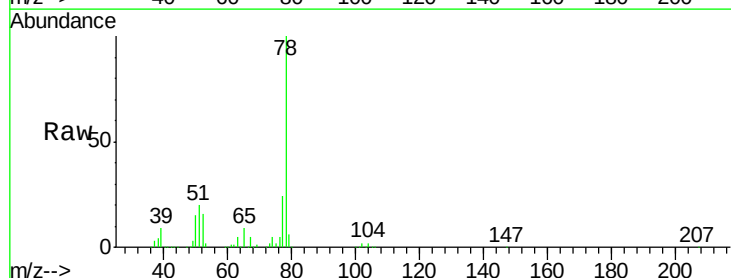
Manual Integrations
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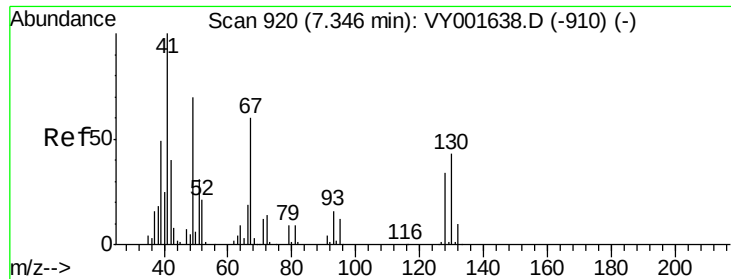
MMDadoda
2/19/2020 1:43:02 PM



#40
Benzene
Concen: 52.435 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4





#41

Methacrylonitrile

Concen: 55.087 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 47492

Ion Ratio Lower Upper

41 100

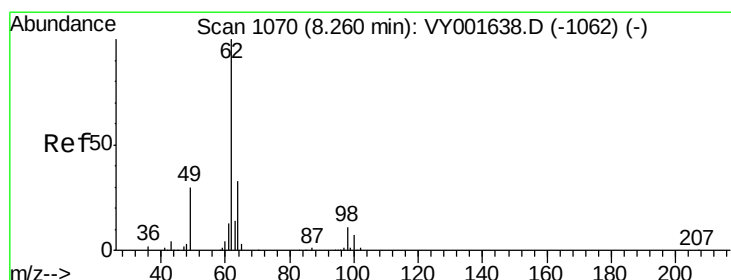
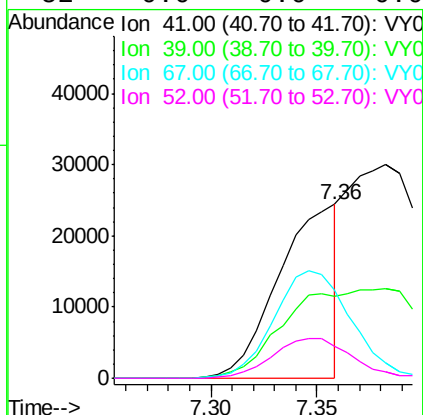
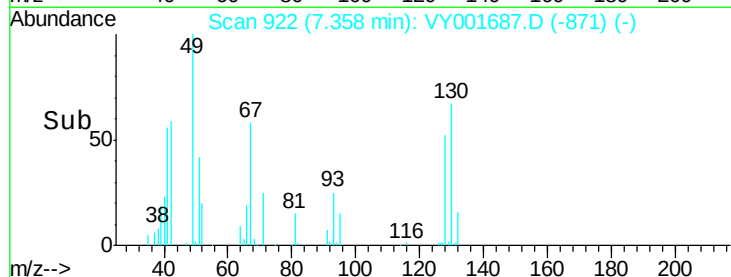
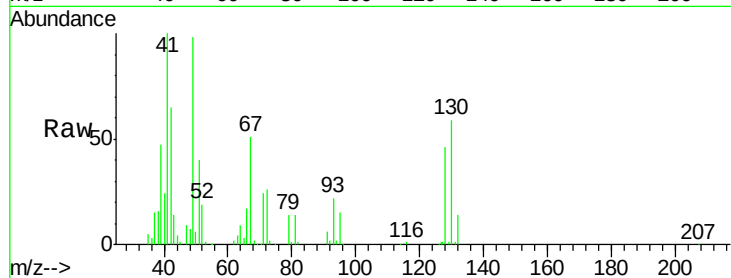
39 119.4 36.0 54.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
2/19/2020 1:43:02 PM



#42

1,2-Dichloroethane

Concen: 53.338 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001687.D

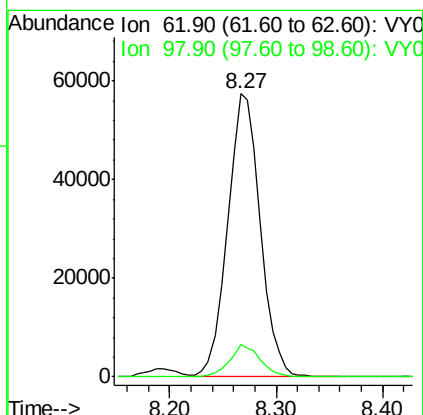
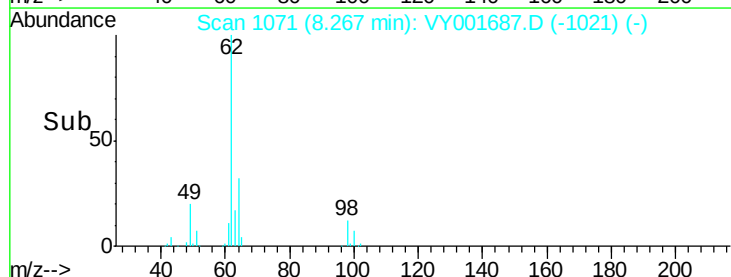
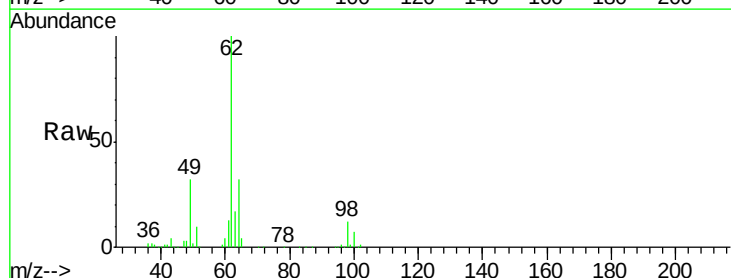
Acq: 18 Feb 2020 21:15

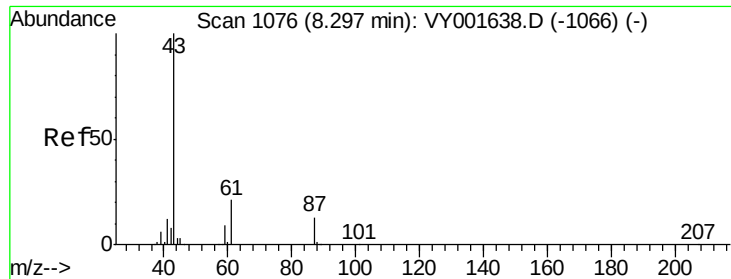
Tgt Ion: 62 Resp: 122944

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





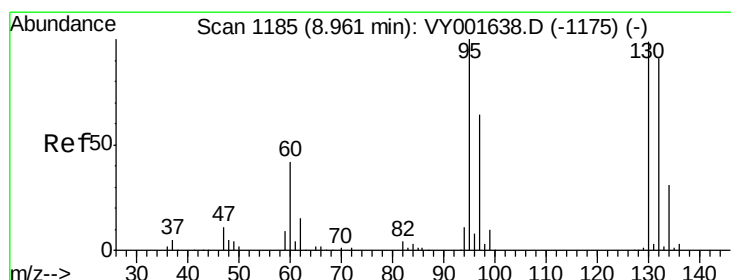
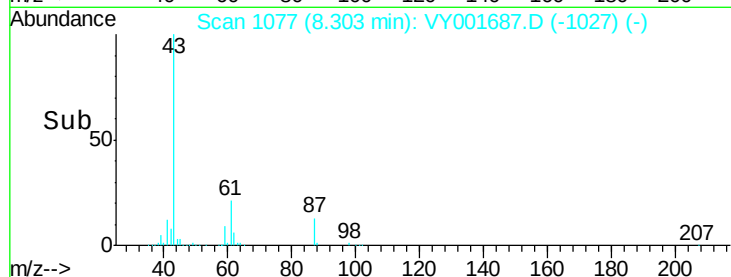
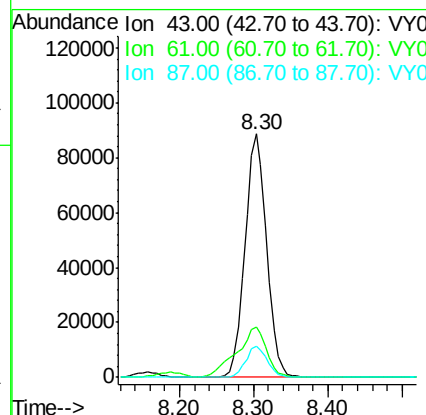
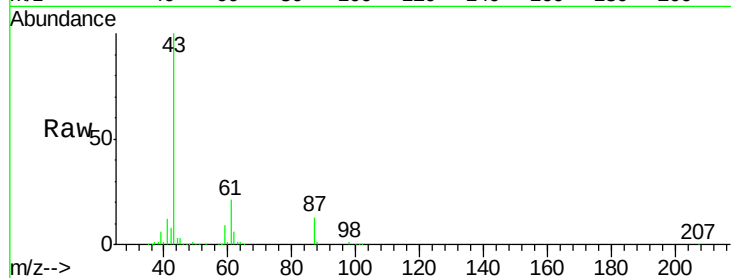
#43
Isopropyl Acetate
Concen: 55.327 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	12.8	10.7	16.1

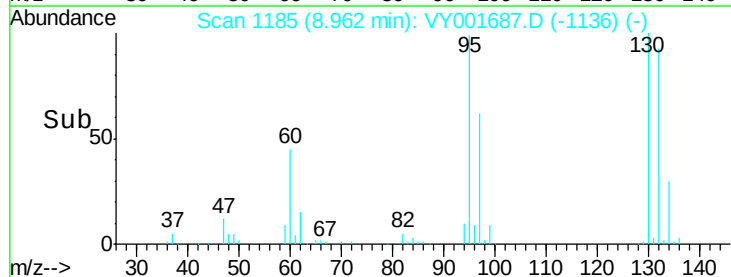
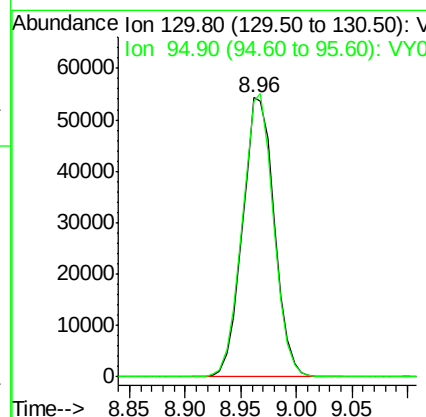
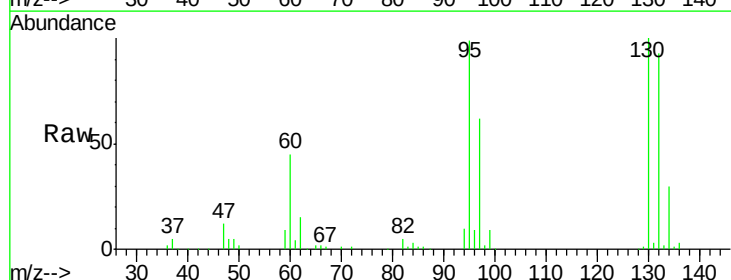
Manual Integrations
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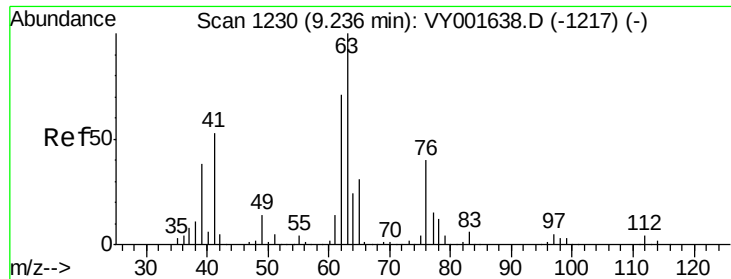
MMDadoda
2/19/2020 1:43:02 PM



#44
Trichloroethene
Concen: 50.702 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	200.6





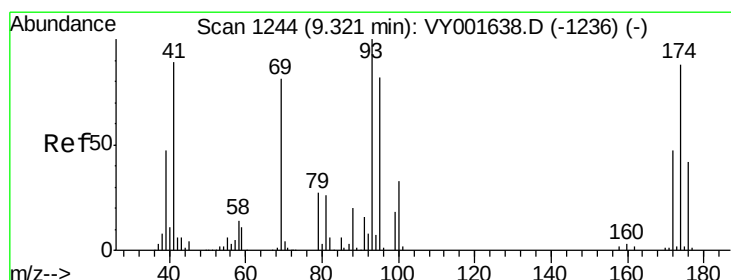
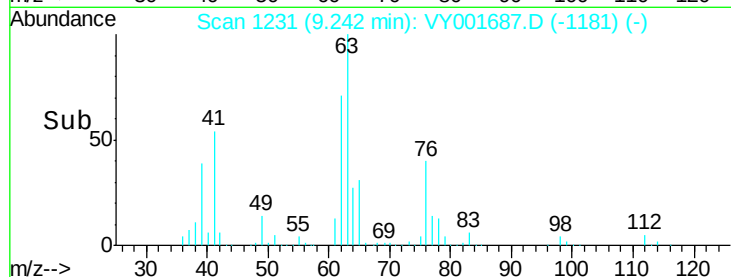
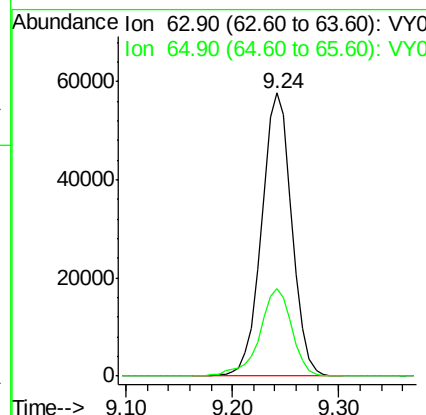
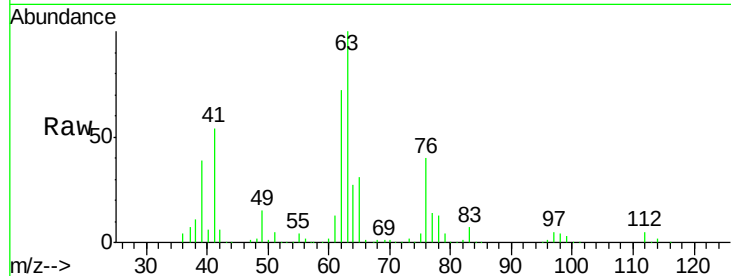
#45
 1,2-Dichloropropane
 Concen: 53.947 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 114309
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

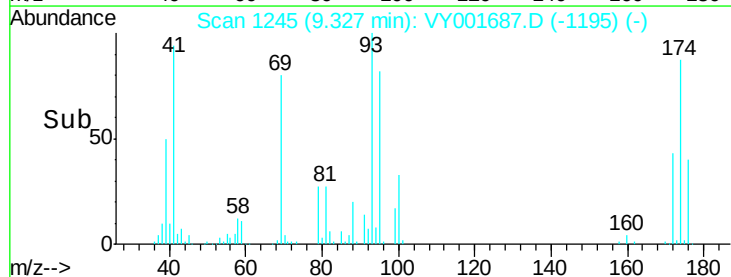
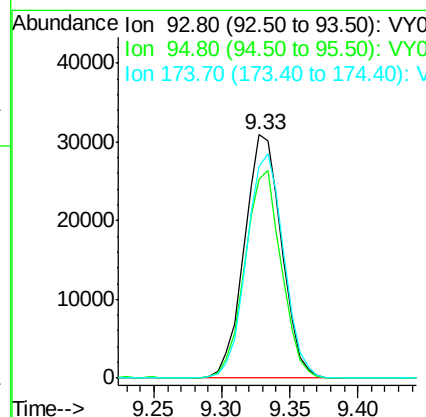
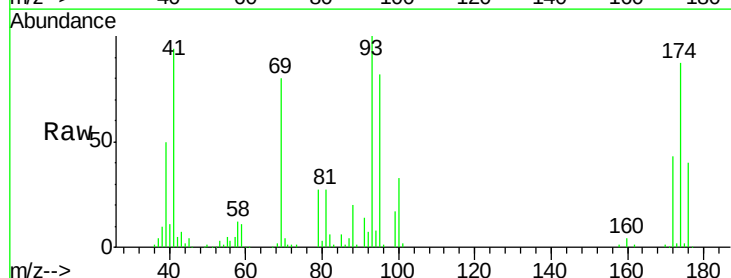
Manual Integrations
 APPROVED

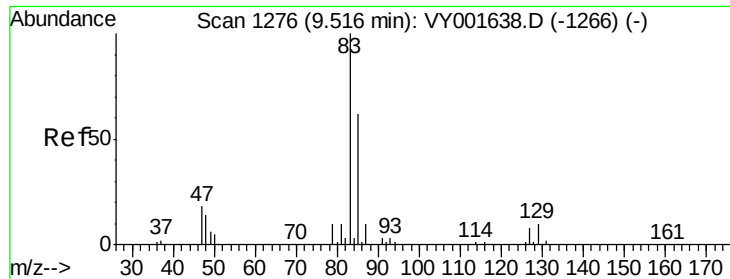
MMDadoda
 2/19/2020 1:43:02 PM



#46
 Dibromomethane
 Concen: 53.325 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion: 93 Resp: 59099
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.1 99.1
 174 92.4 72.5 108.7





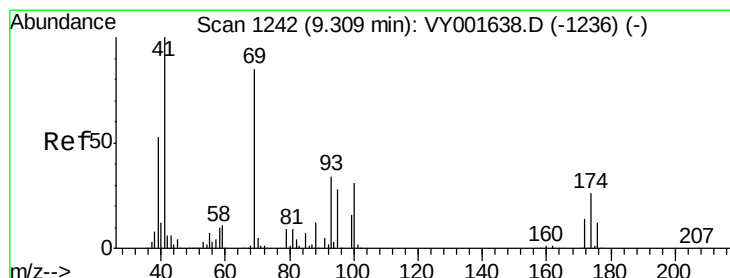
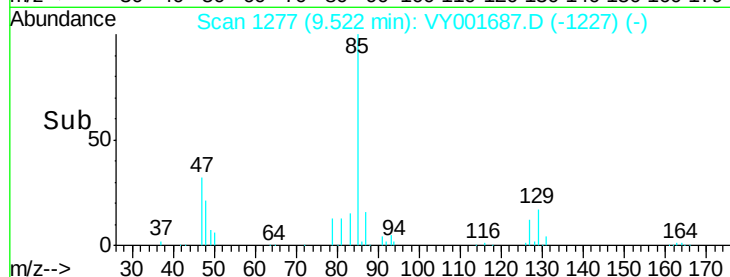
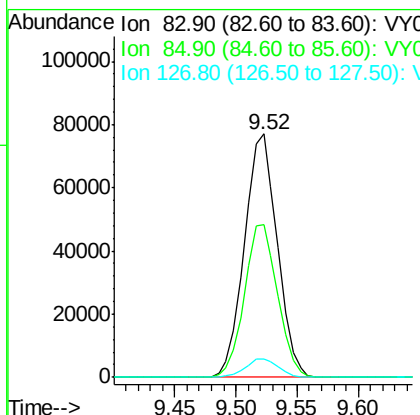
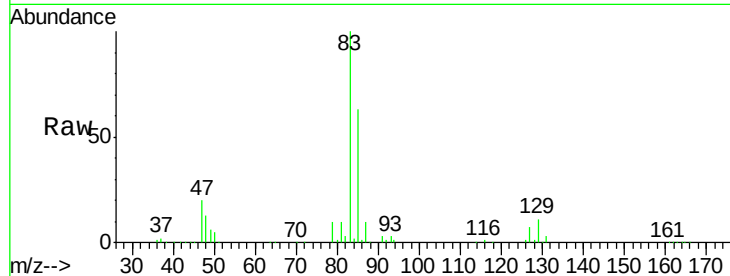
#47
Bromodichloromethane
Concen: 53.778 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	143845
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	63.0		
127	7.5		

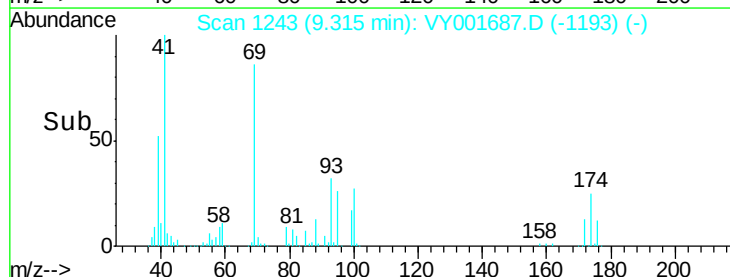
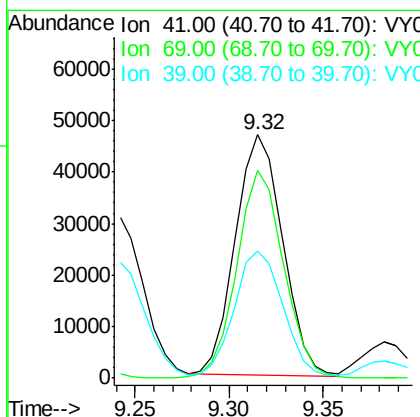
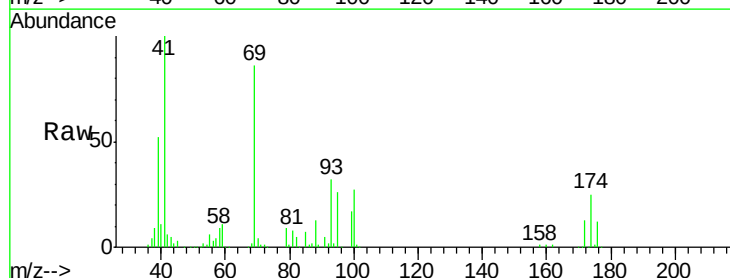
Manual Integrations
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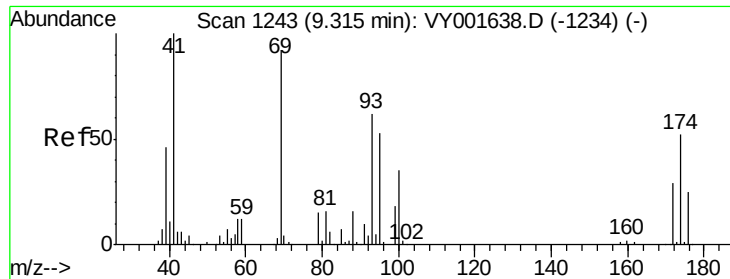
MMDadoda
2/19/2020 1:43:02 PM



#48
Methyl methacrylate
Concen: 55.107 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	41	Resp	81194
Ion Ratio	100		
Lower	70.7		
Upper	106.1		
69	85.6		
39	52.5		





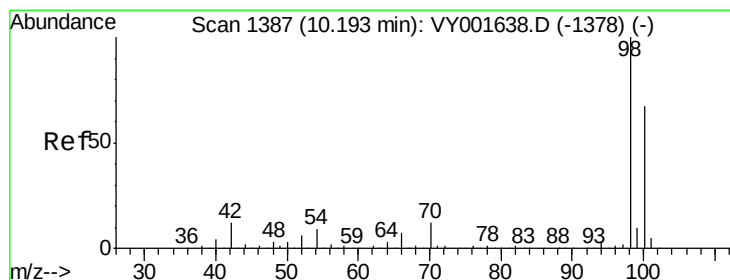
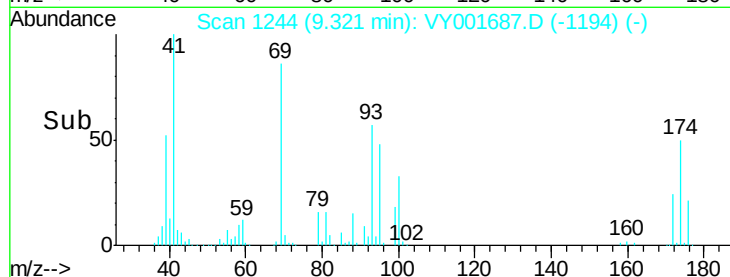
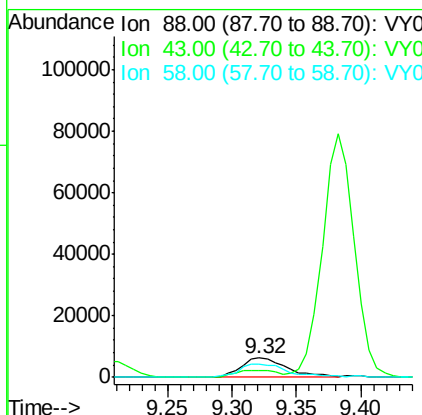
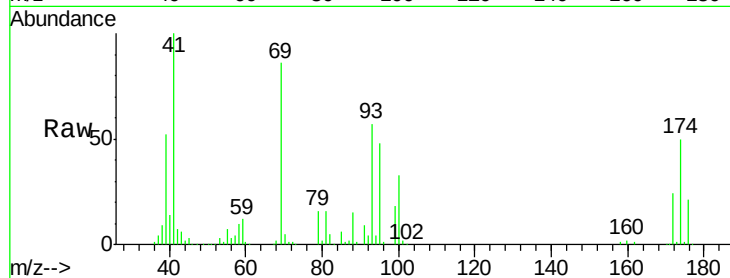
#49
1,4-Dioxane
Concen: 1001.962 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	23.1	34.7
58	75.9	58.1	87.1

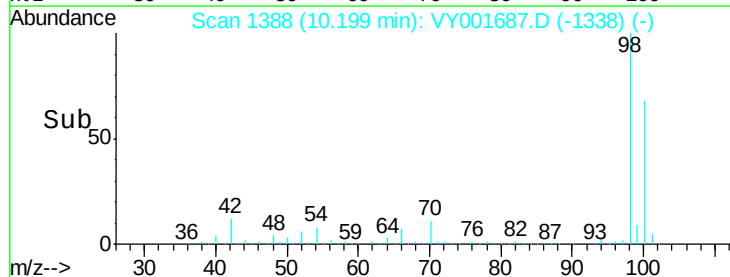
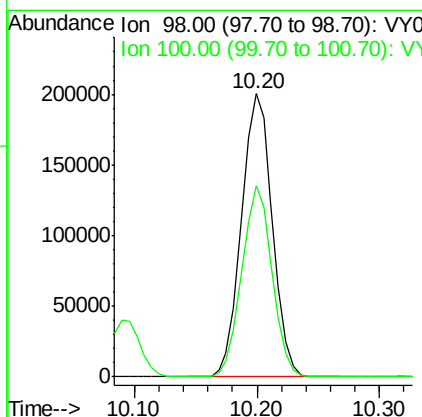
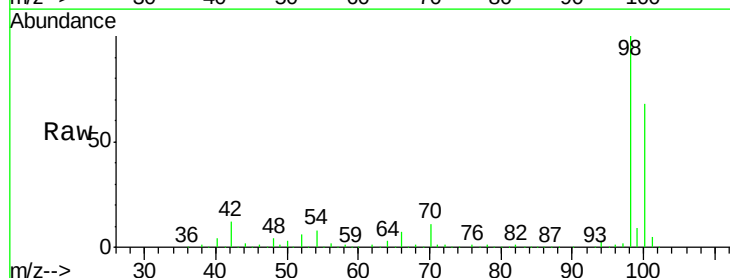
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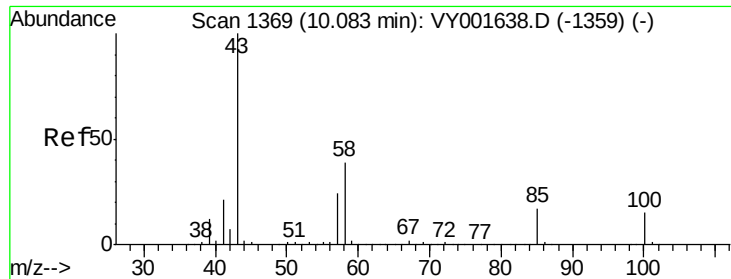
MMDadoda
2/19/2020 1:43:02 PM



#50
Toluene-d8
Concen: 51.693 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





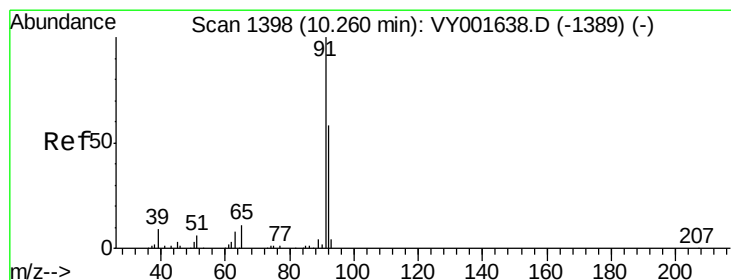
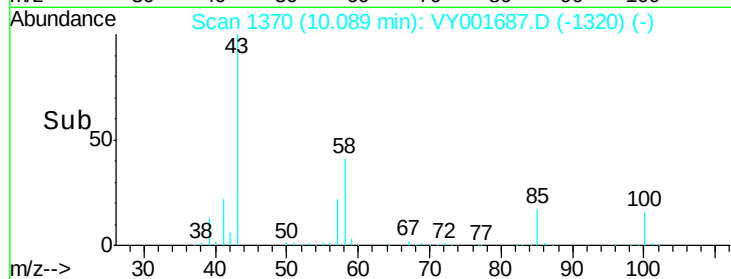
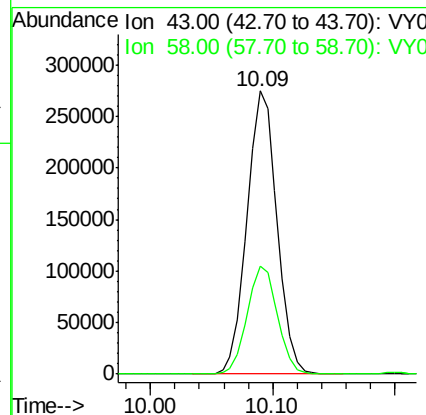
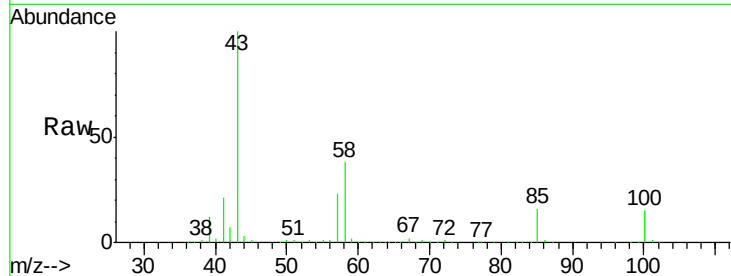
#51
4-Methyl-2-Pentanone
Concen: 279.251 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	32.2	48.4

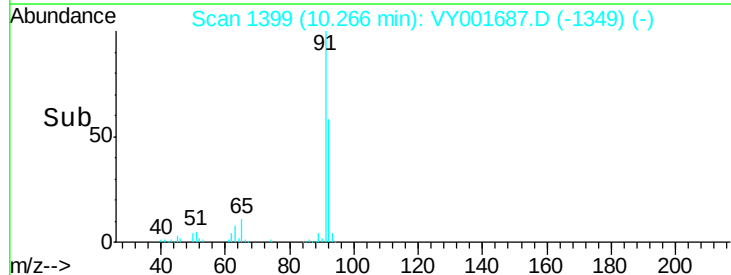
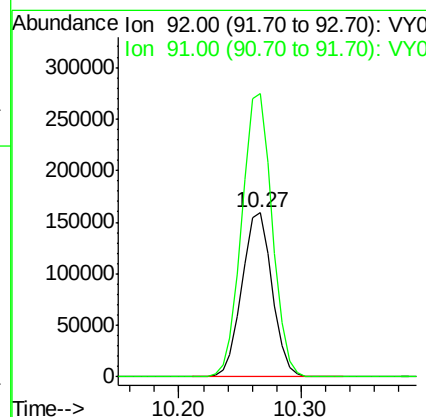
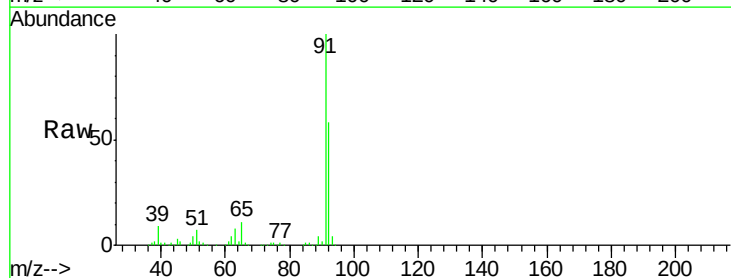
Manual Integrations
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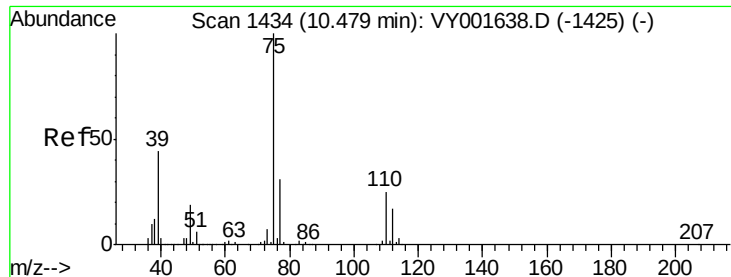
MMDadoda
2/19/2020 1:43:02 PM



#52
Toluene
Concen: 51.481 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.0	205.6





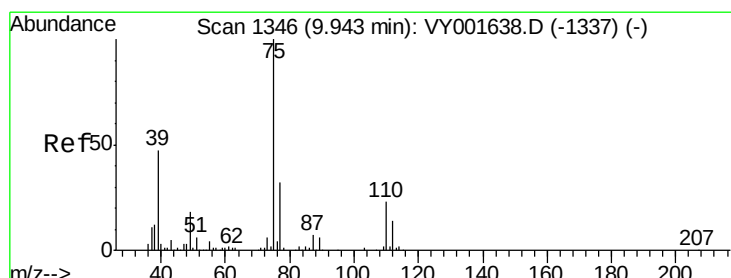
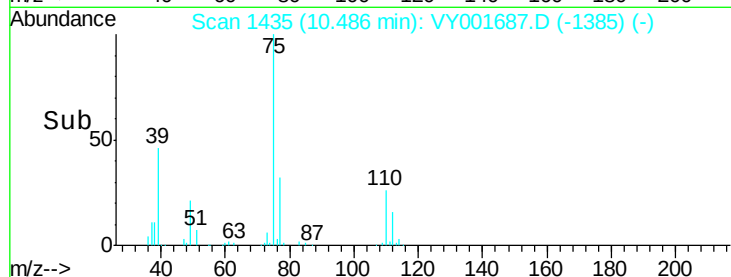
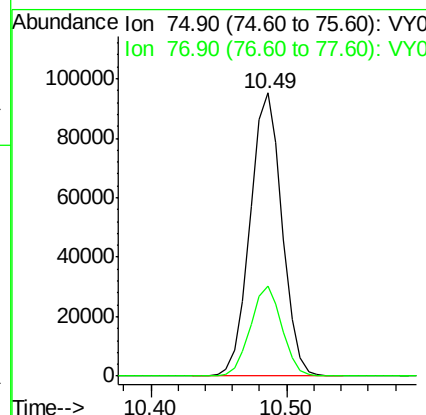
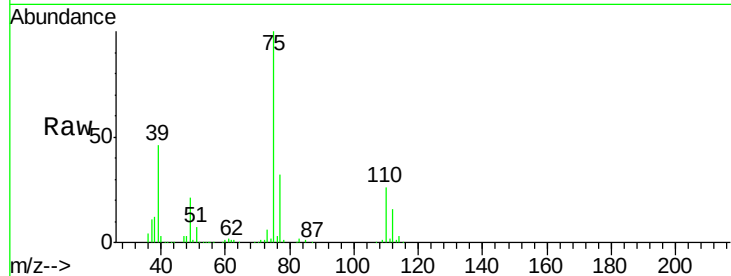
#53
t-1,3-Dichloropropene
Concen: 52.884 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 156379
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

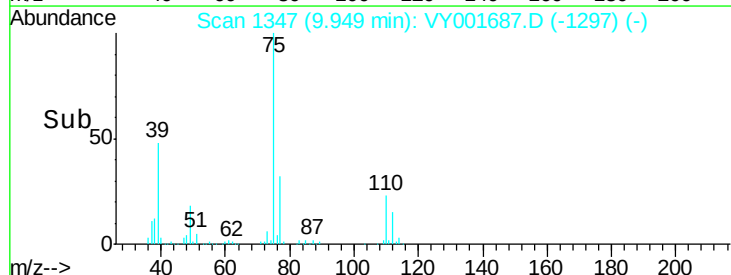
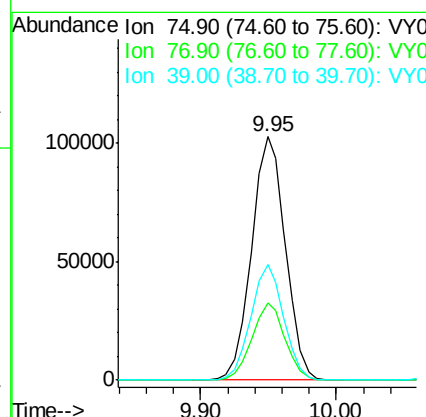
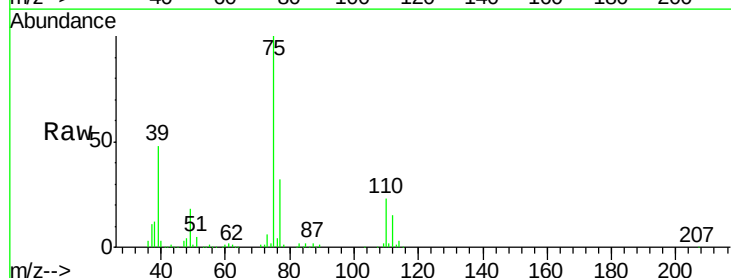
Manual Integrations
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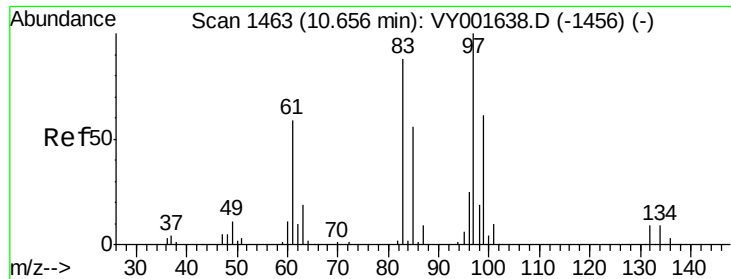
MMDadoda
2/19/2020 1:43:02 PM



#54
cis-1,3-Dichloropropene
Concen: 52.461 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion: 75 Resp: 178542
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 47.6 35.7 53.5





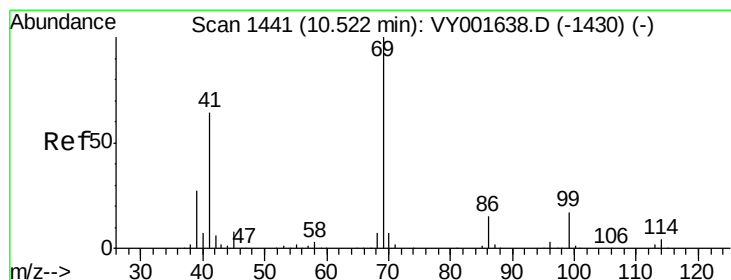
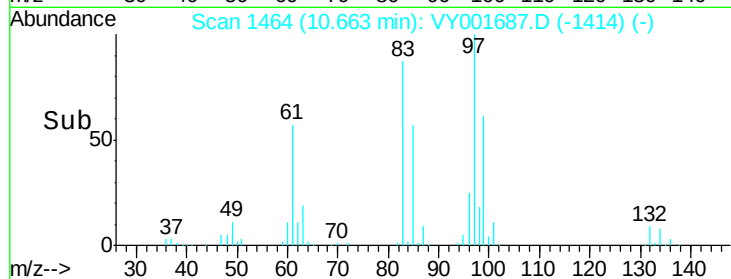
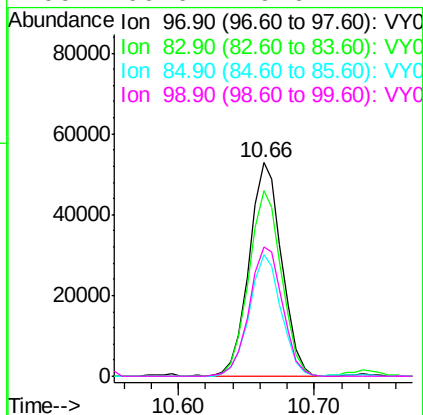
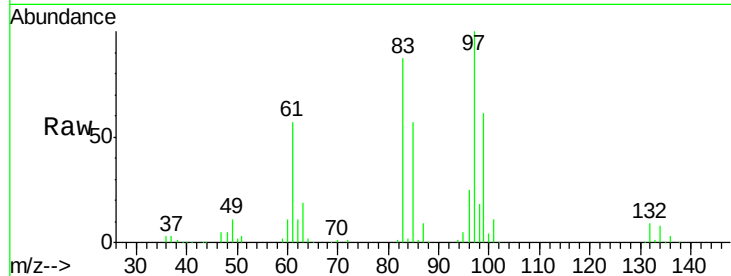
#55
 1,1,2-Trichloroethane
 Concen: 54.453 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88987
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.7	104.5
85	56.9	44.5	66.7
99	60.6	49.6	74.4

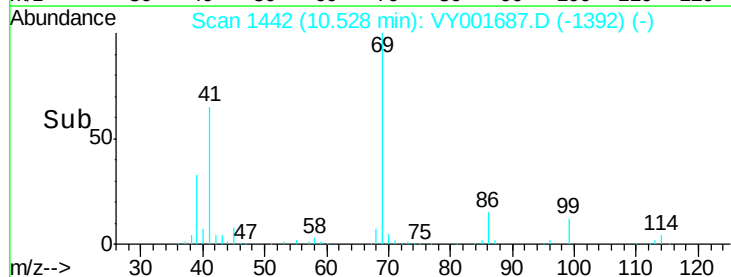
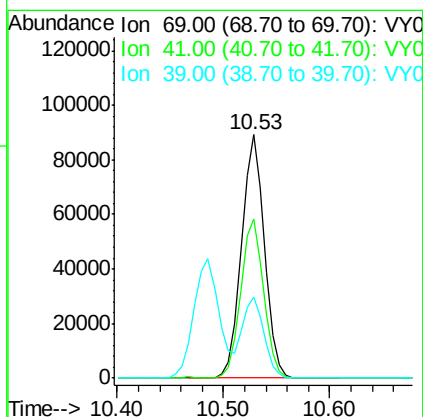
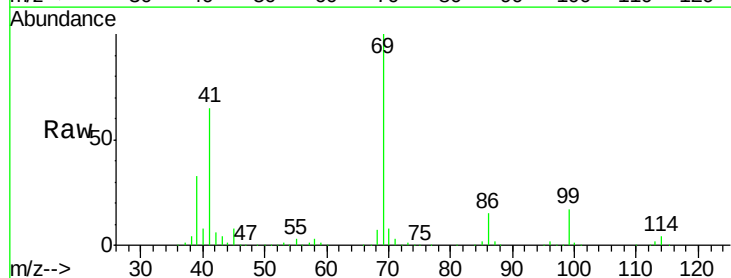
Manual Integrations
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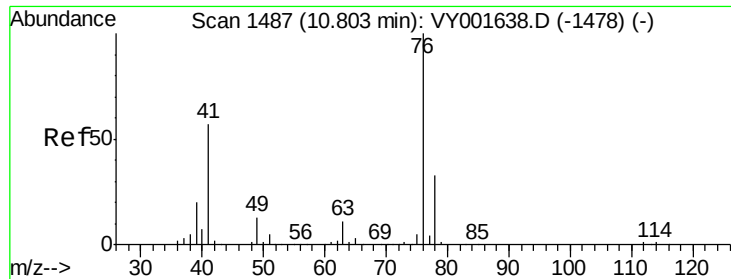
MMDadoda
 2/19/2020 1:43:02 PM



#56
 Ethyl methacrylate
 Concen: 54.864 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion:	69	Resp:	134503
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.0	76.4
39	30.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.868 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 156414

Ion Ratio Lower Upper

76 100

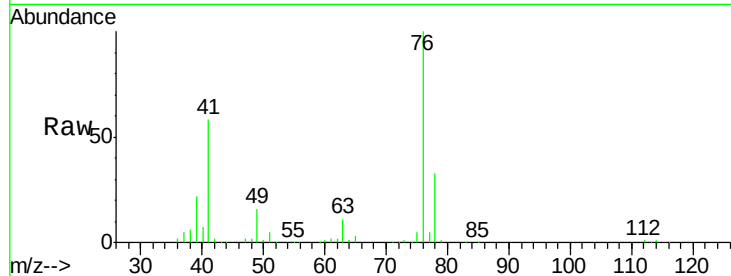
78 32.2 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.81

80000

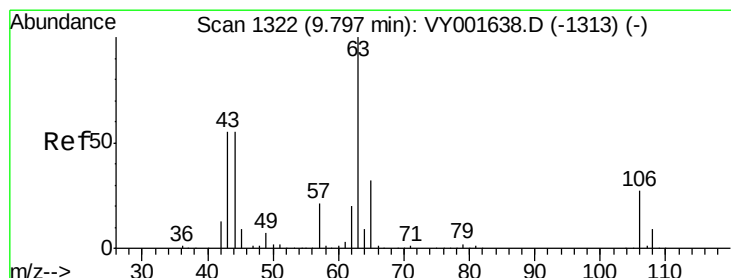
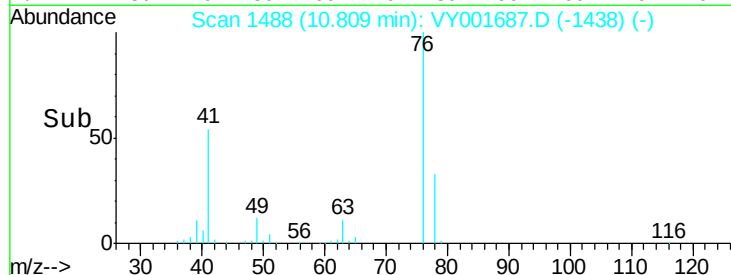
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 280.065 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001687.D

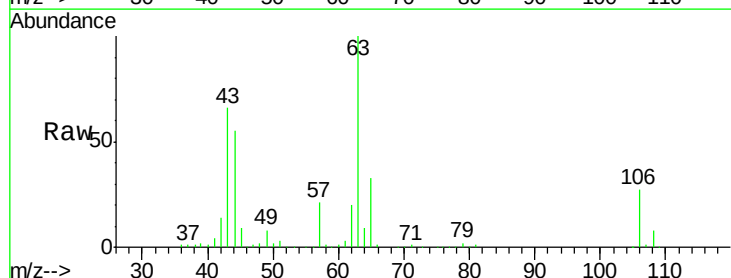
Acq: 18 Feb 2020 21:15

Tgt Ion: 63 Resp: 256096

Ion Ratio Lower Upper

63 100

106 26.7 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.80

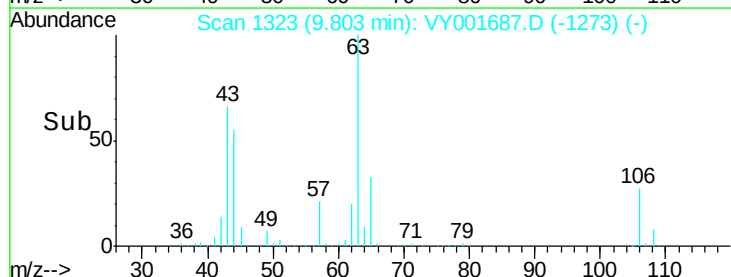
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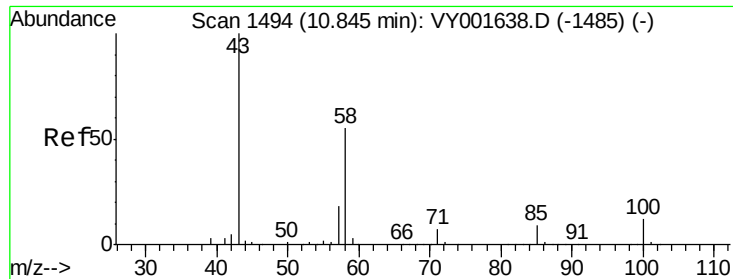
100000

50000

0

Time-->





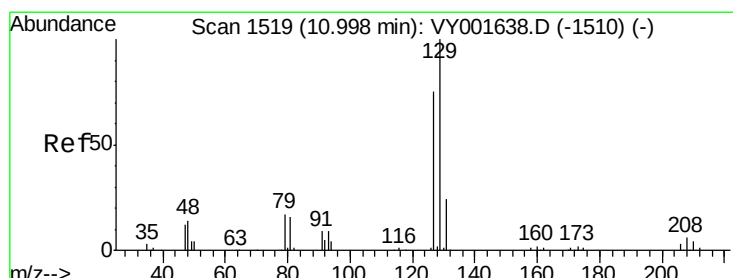
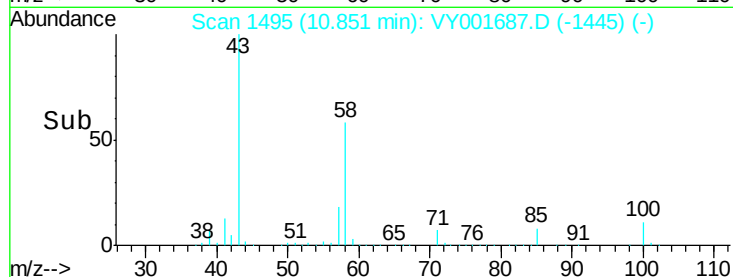
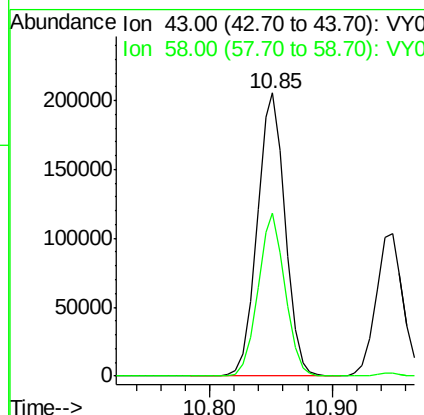
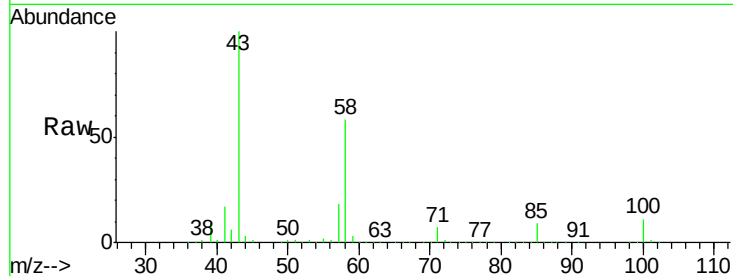
#59
2-Hexanone
Concen: 259.212 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 325544
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.2

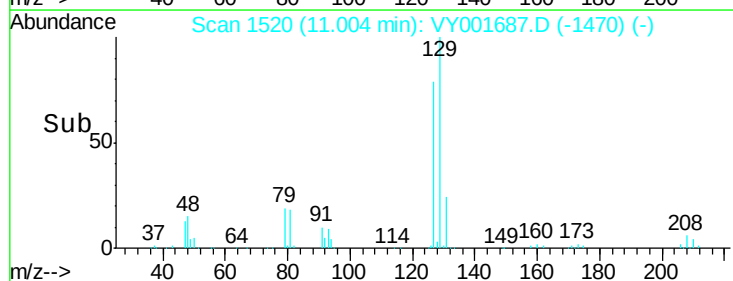
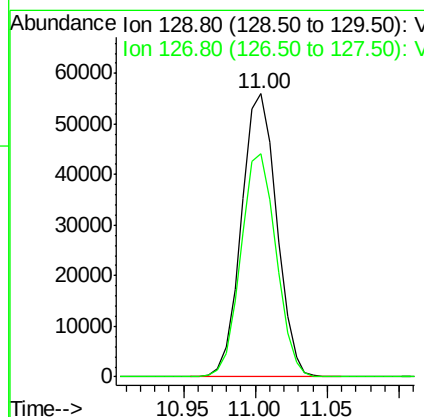
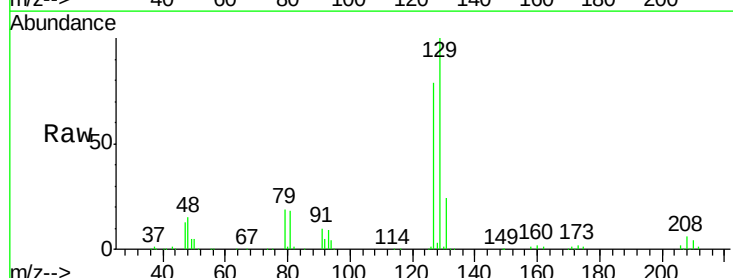
Manual Integrations
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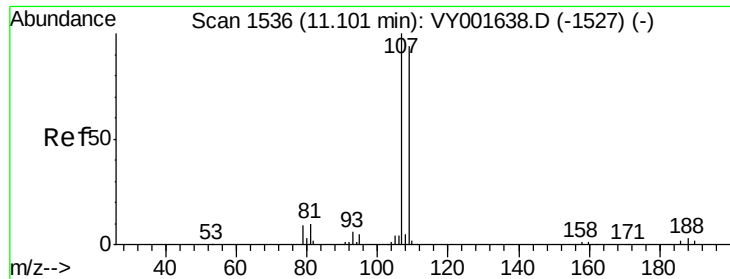
MMDadoda
2/19/2020 1:43:02 PM



#60
Dibromochloromethane
Concen: 52.720 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion: 129 Resp: 94987
Ion Ratio Lower Upper
129 100
127 78.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 54.251 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 83827

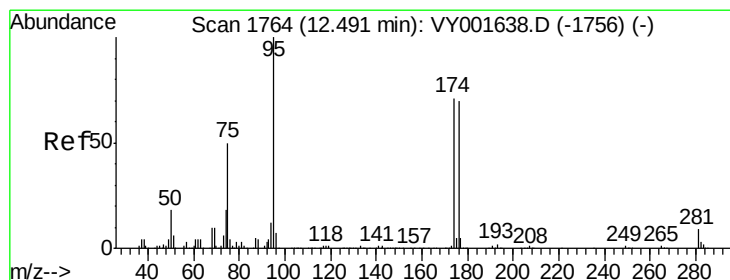
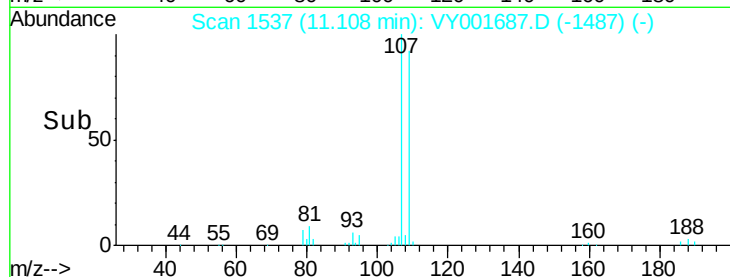
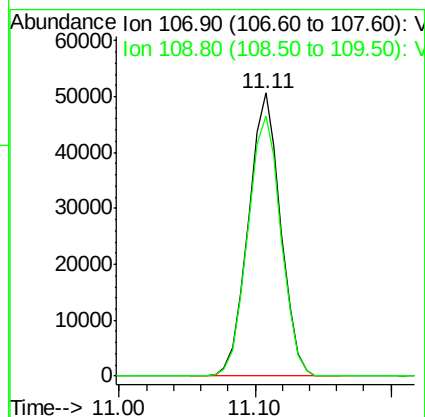
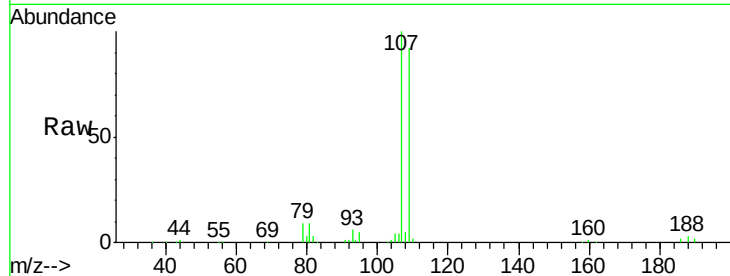
Ion Ratio Lower Upper

107 100

109 94.7 74.2 111.4

Manual Integrations
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2/19/2020 1:43:02 PM



#62

4-Bromofluorobenzene

Concen: 47.519 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

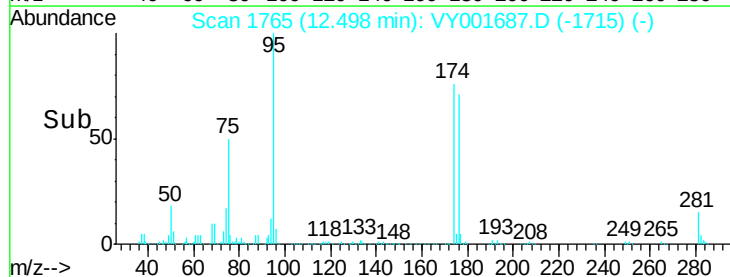
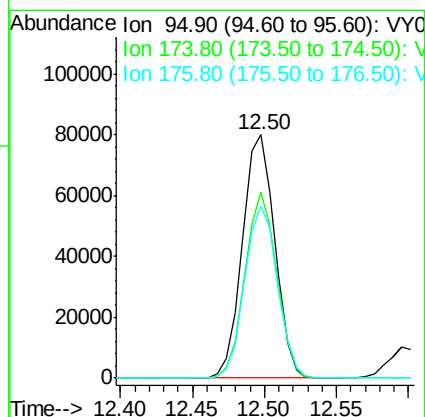
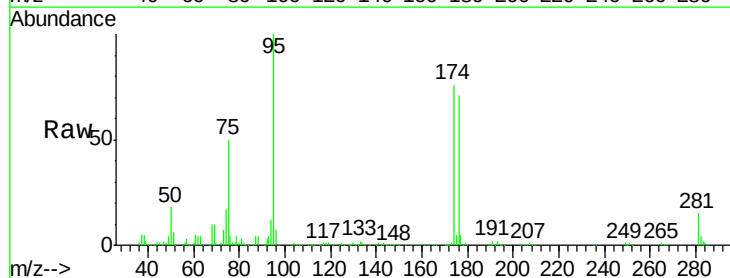
Tgt Ion: 95 Resp: 124758

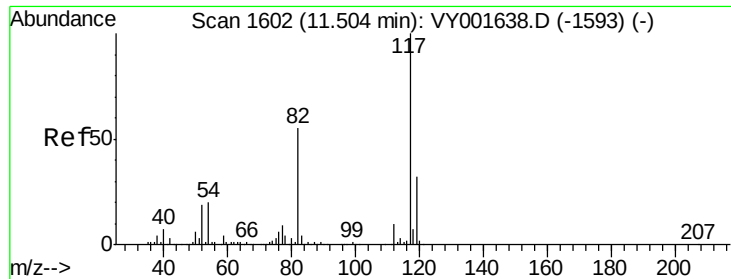
Ion Ratio Lower Upper

95 100

174 74.5 0.0 138.4

176 71.4 0.0 131.8





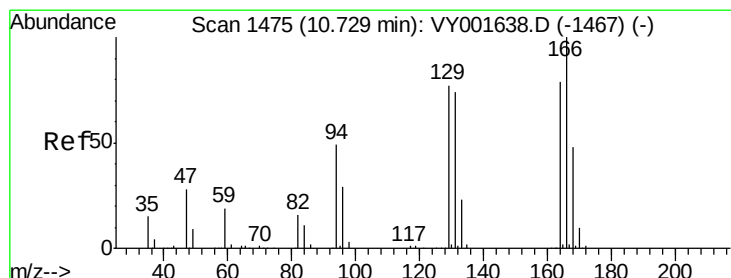
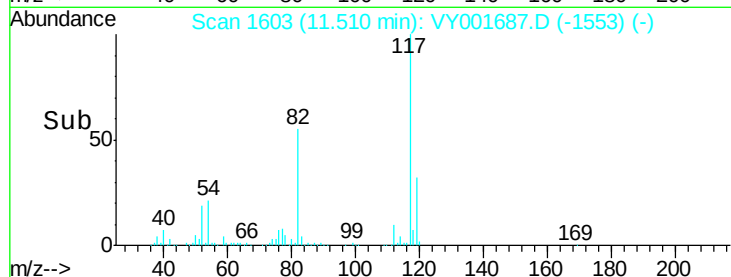
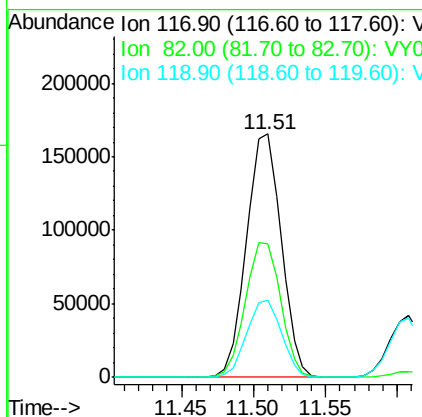
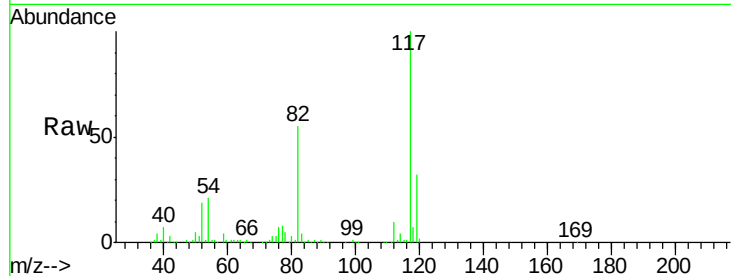
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.5	68.3
119	31.7	25.8	38.6

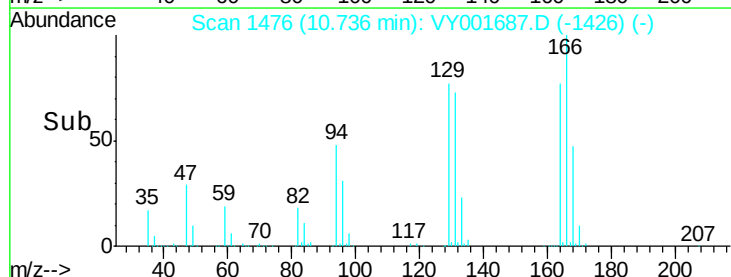
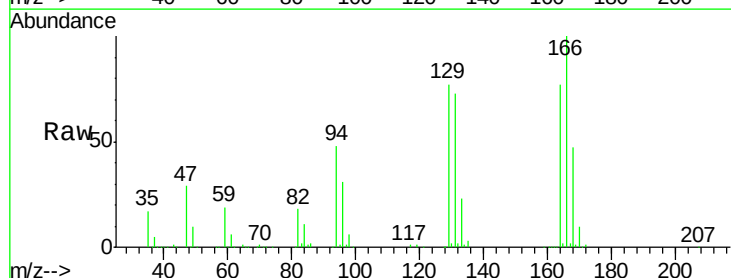
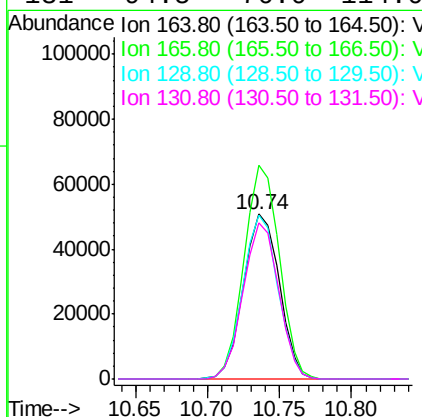
Manual Integrations
APPROVED

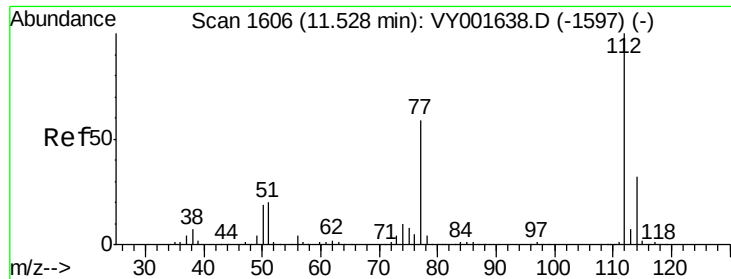
MMDadoda
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#64
Tetrachloroethene
Concen: 50.701 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.4	152.0
129	99.8	78.7	118.1
131	94.5	76.0	114.0





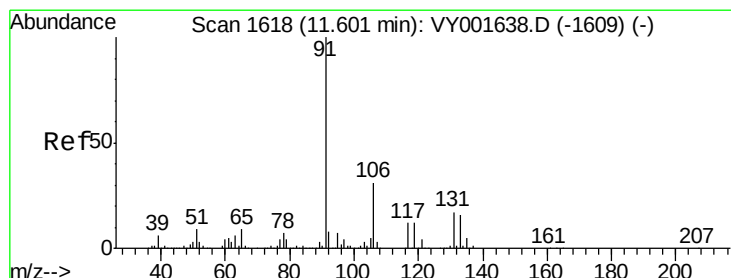
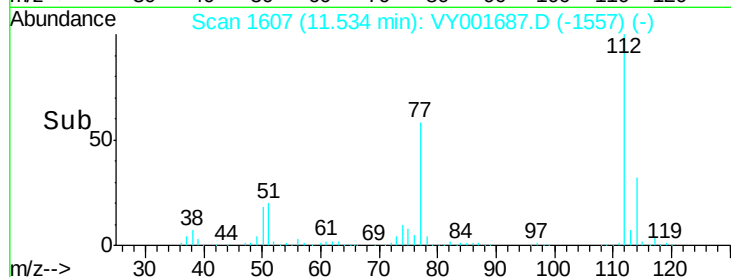
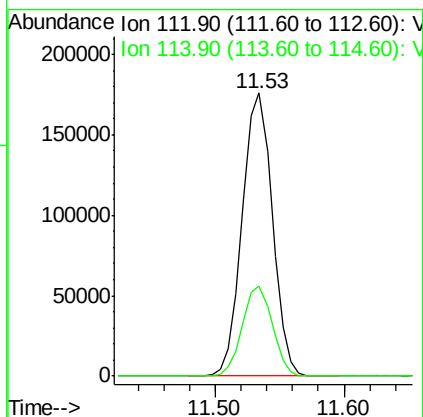
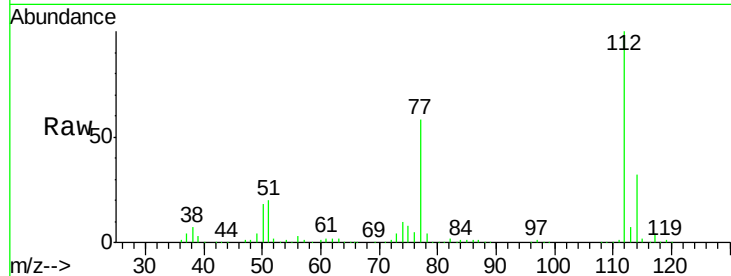
#65
Chlorobenzene
Concen: 51.585 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 284557
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

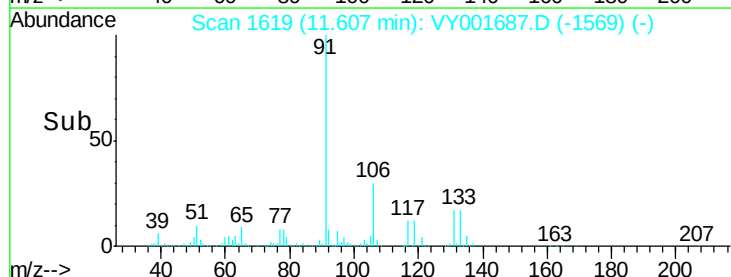
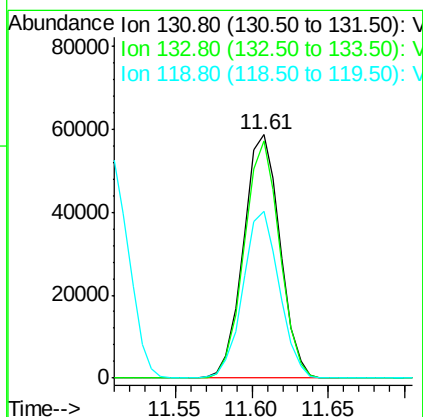
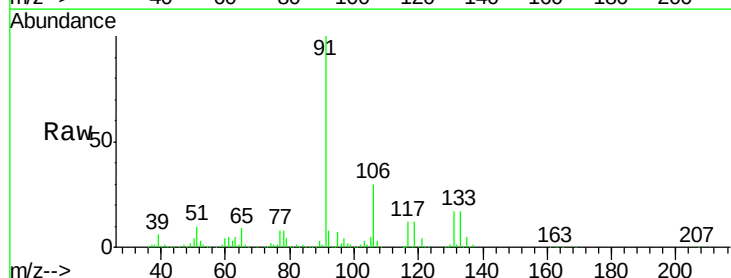
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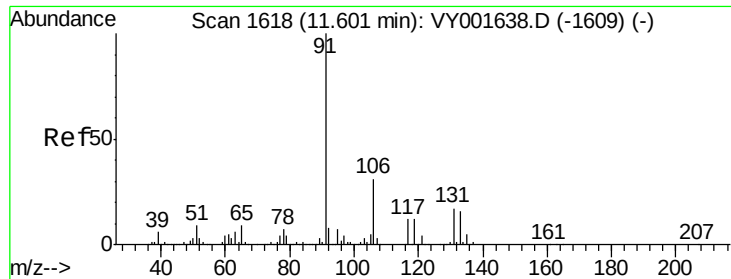
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.434 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion:131 Resp: 97569
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 67.8 34.4 103.1





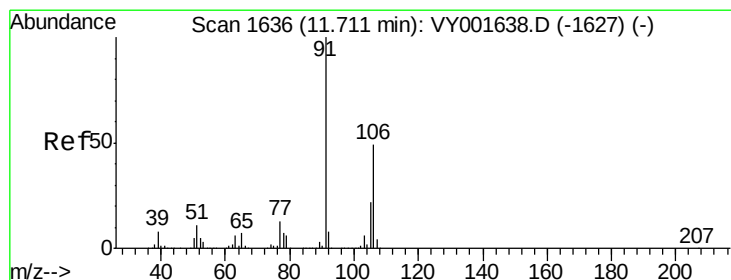
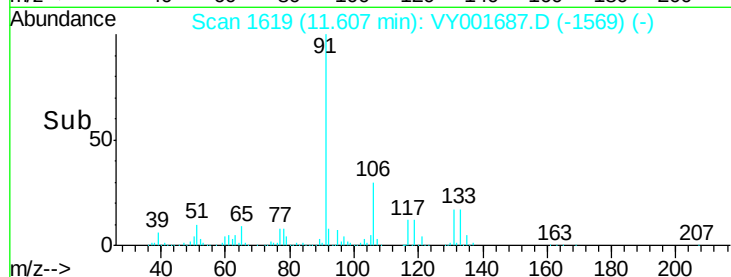
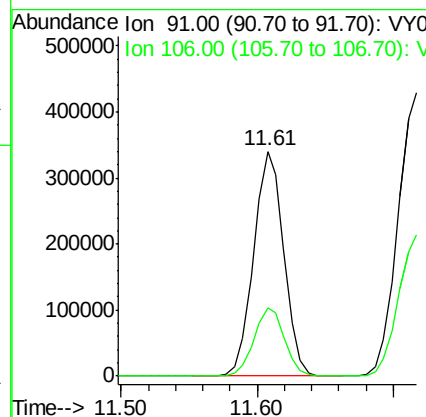
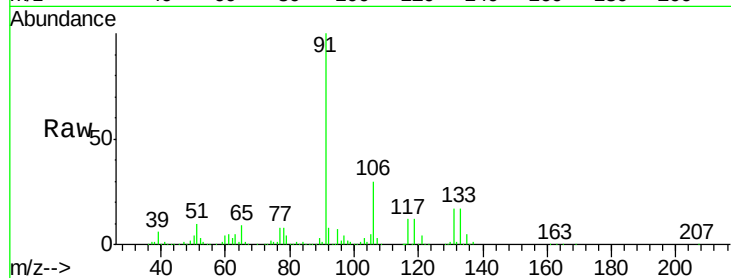
#67
Ethyl Benzene
Concen: 51.482 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

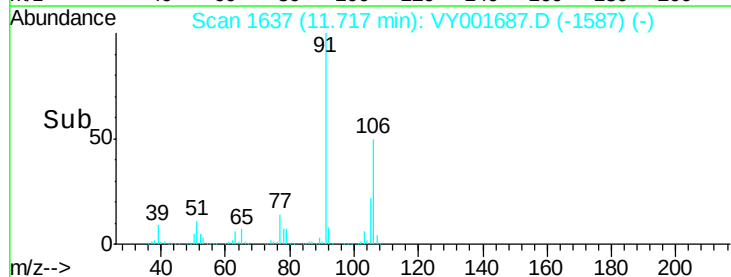
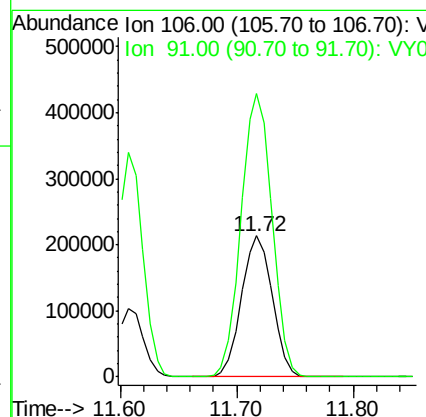
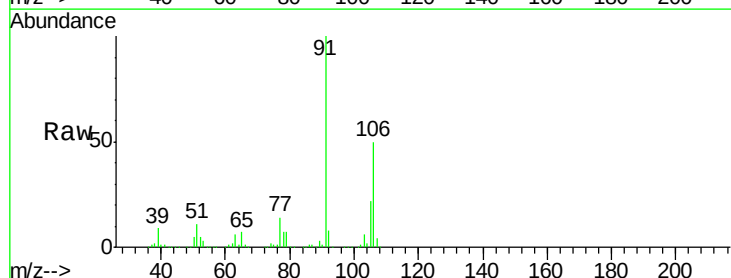
Manual Integrations
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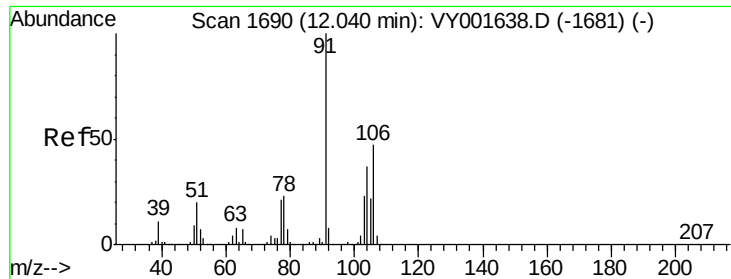
MMDadoda
2/19/2020 1:43:02 PM



#68
m/p-Xylenes
Concen: 102.653 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.5	163.3	244.9





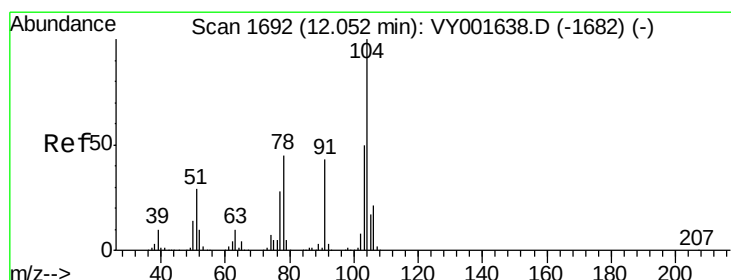
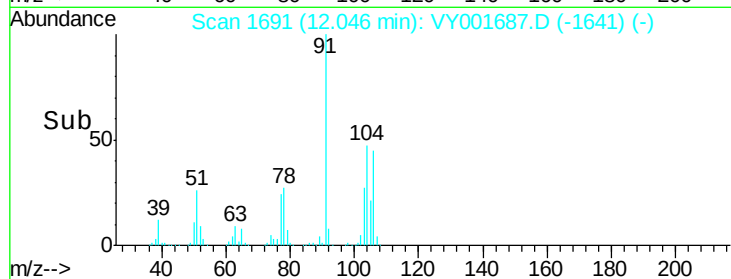
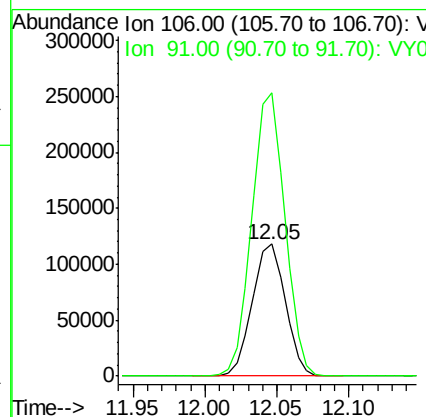
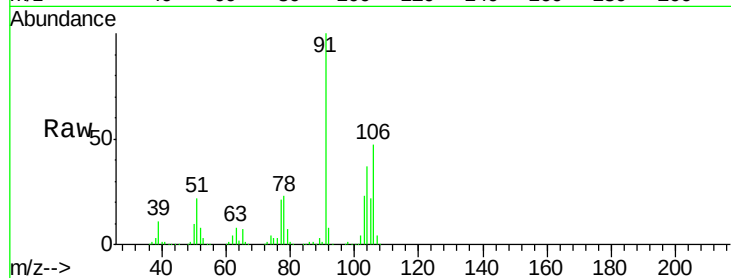
#69
o-Xylene
Concen: 51.657 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		187792		
91	213.5	108.3	324.9		

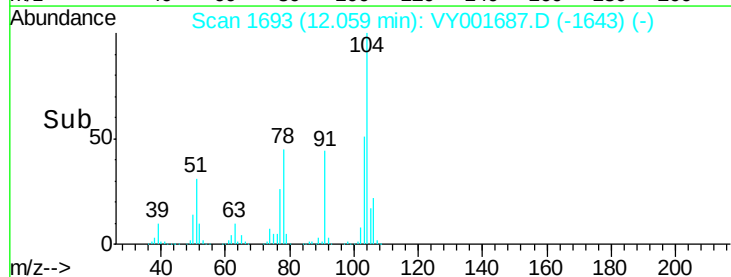
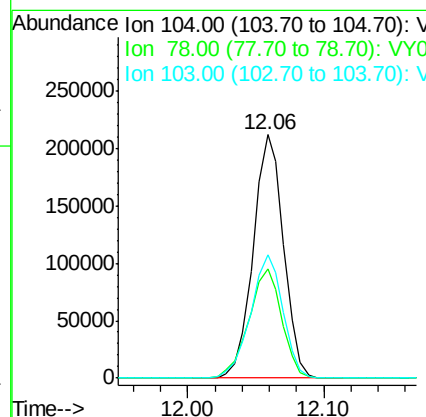
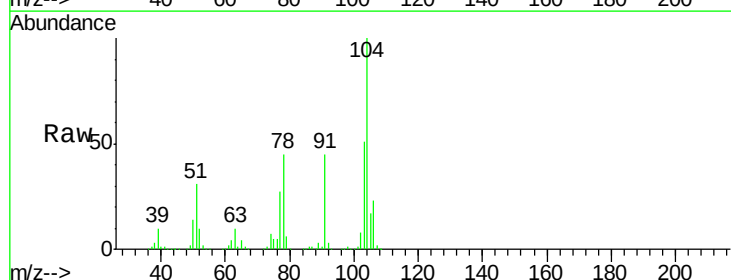
Manual Integrations
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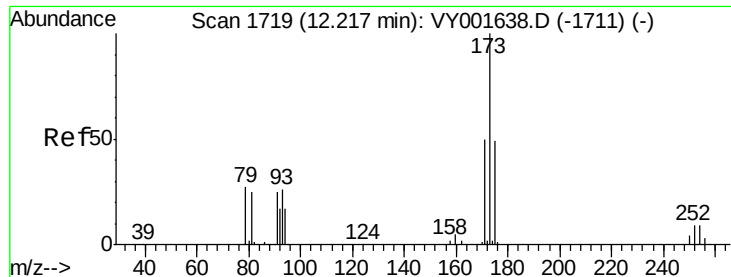
MMDadoda
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#70
Styrene
Concen: 52.402 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		331079		
78	48.7	39.2	58.8		
103	53.9	43.0	64.6		





#71

Bromoform

Concen: 52.678 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 56019

Ion Ratio Lower Upper

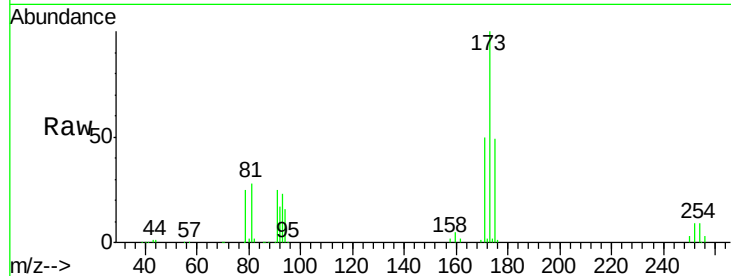
173 100

175 47.7 24.3 73.0

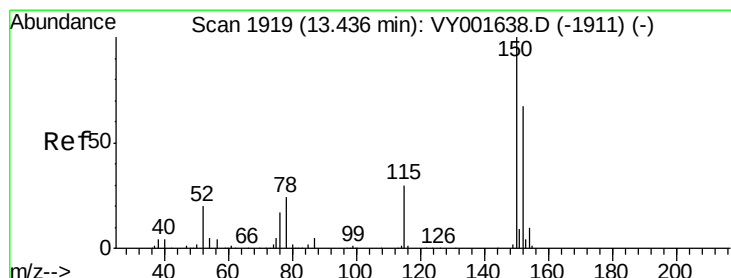
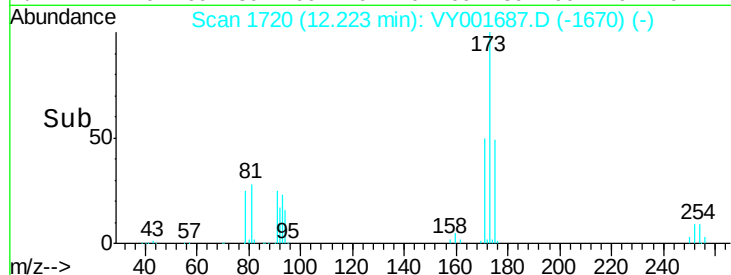
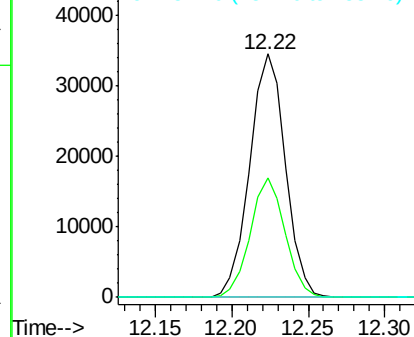
254 0.0 0.1 0.1#

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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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

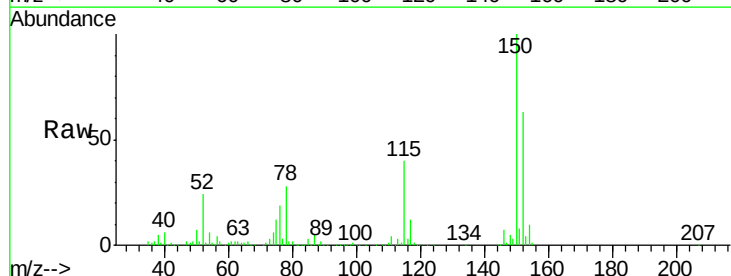
Tgt Ion:152 Resp: 128254

Ion Ratio Lower Upper

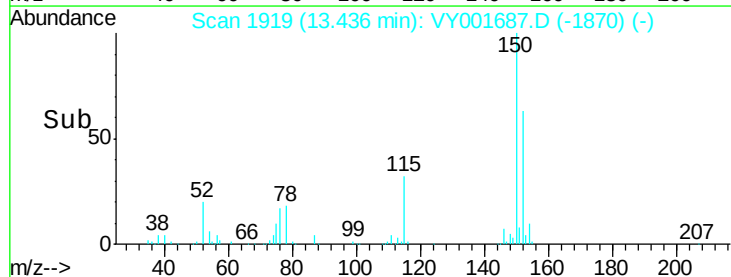
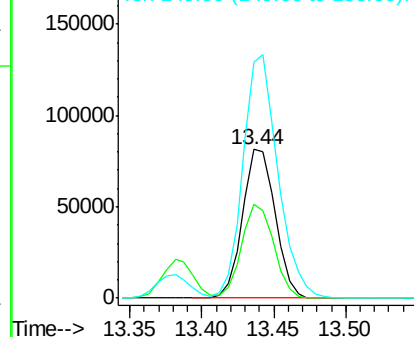
152 100

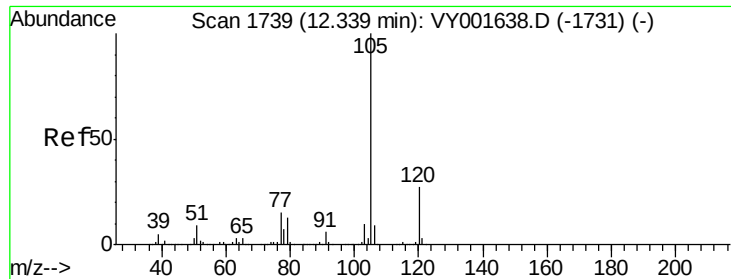
115 62.0 31.4 94.2

150 174.3 0.0 407.2



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: 50.796 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 496306

Ion Ratio Lower Upper

105 100

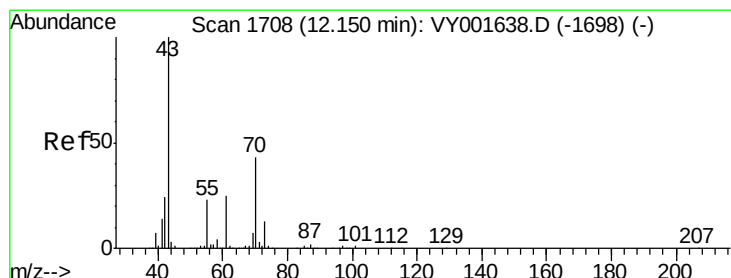
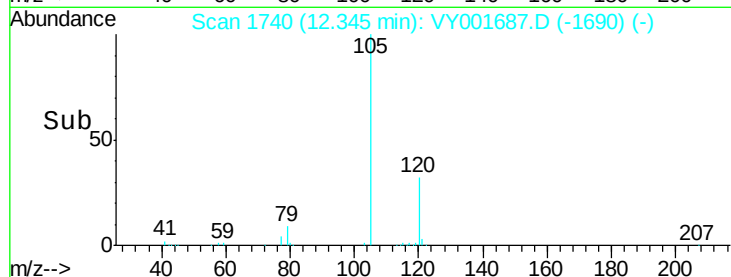
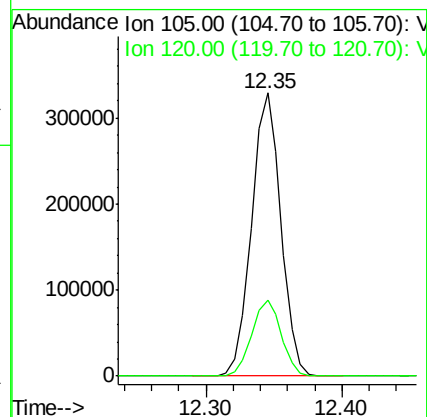
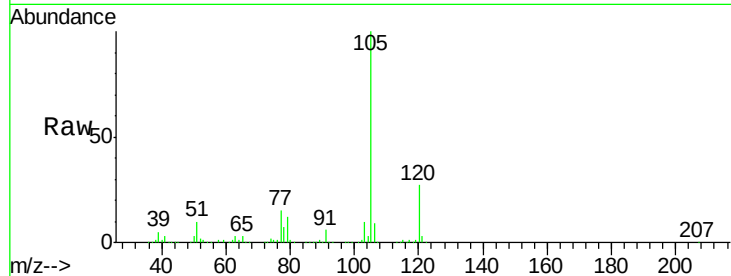
120 27.0 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.358 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion: 43 Resp: 169502

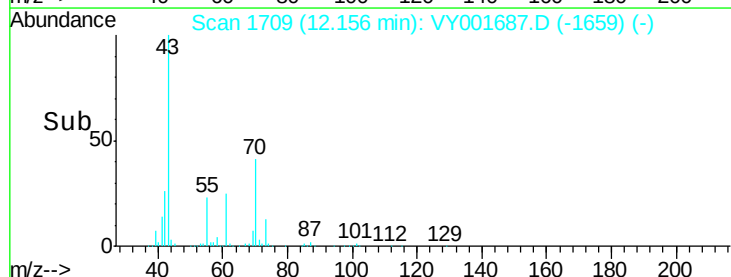
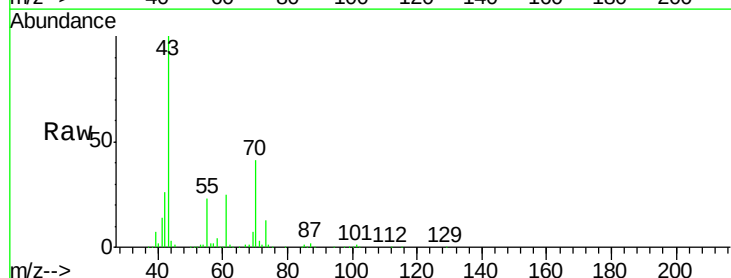
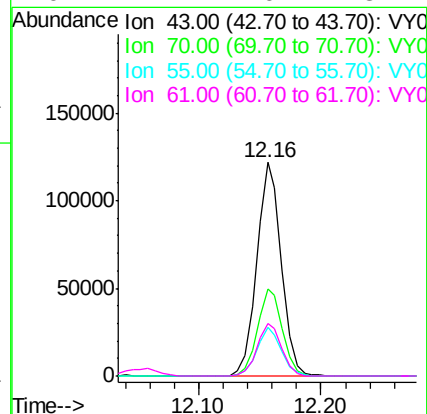
Ion Ratio Lower Upper

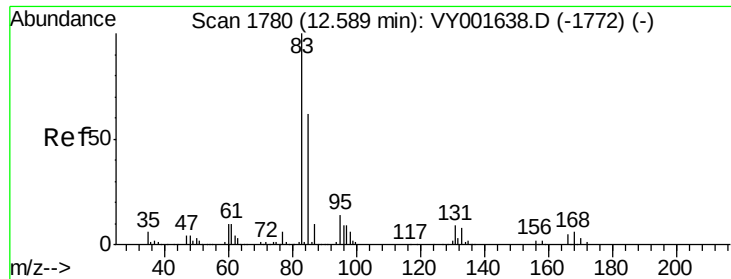
43 100

70 41.8 35.9 53.9

55 22.5 18.3 27.5

61 24.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.856 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

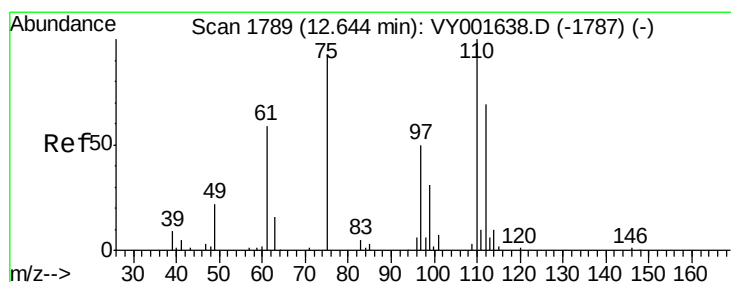
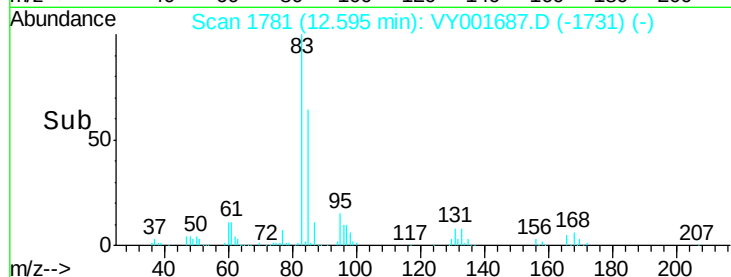
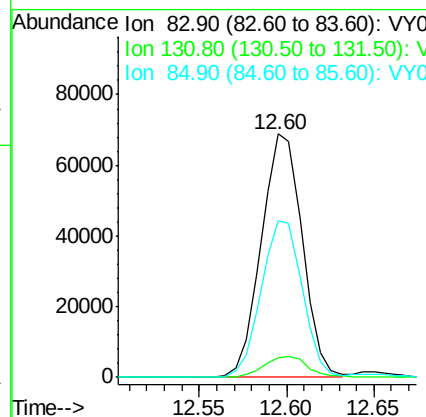
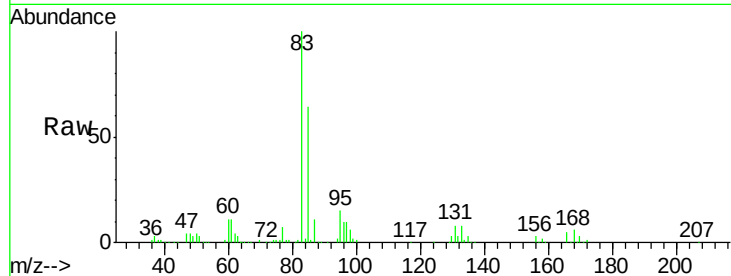
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112355
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.1
85	64.7	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.898 ug/l m

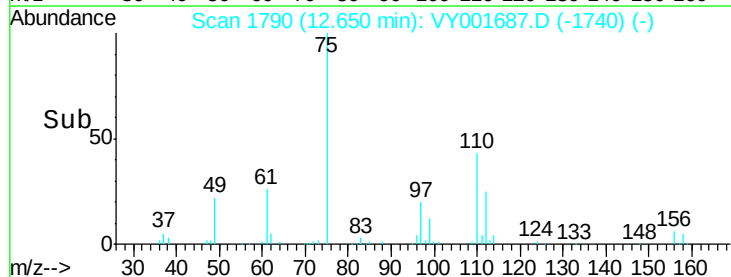
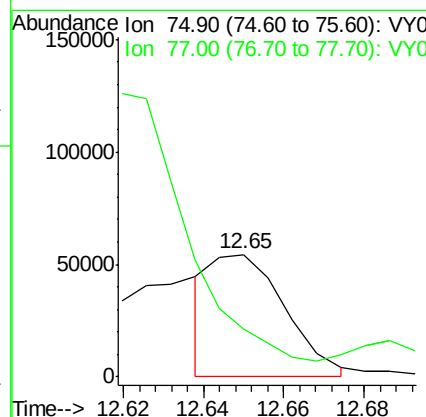
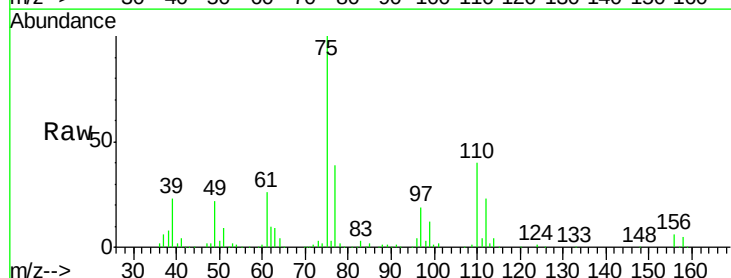
RT: 12.65 min Scan# 1790

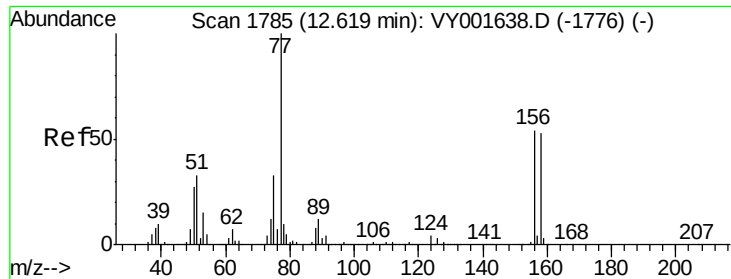
Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion:	75	Resp:	70470
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.055 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

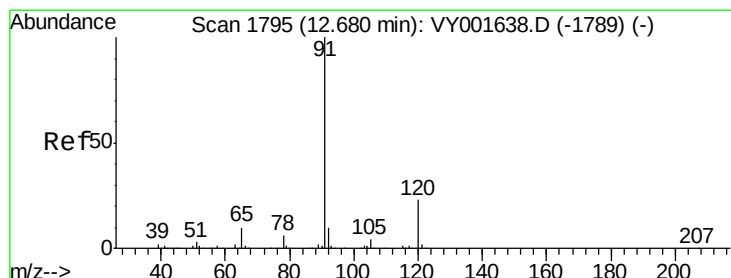
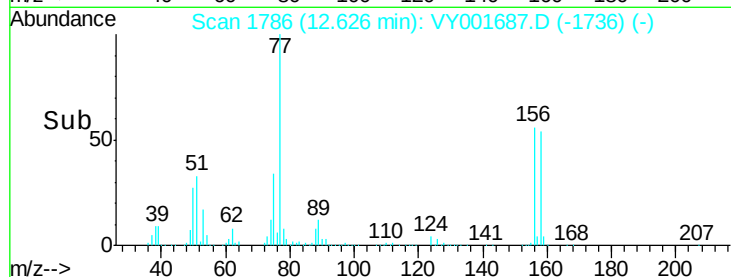
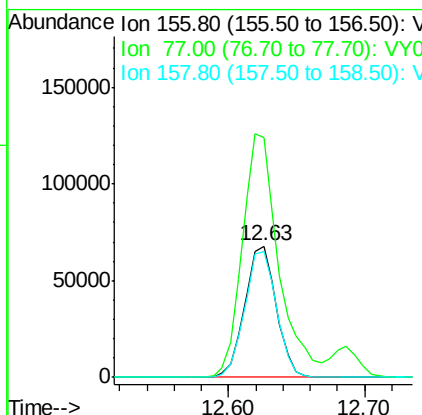
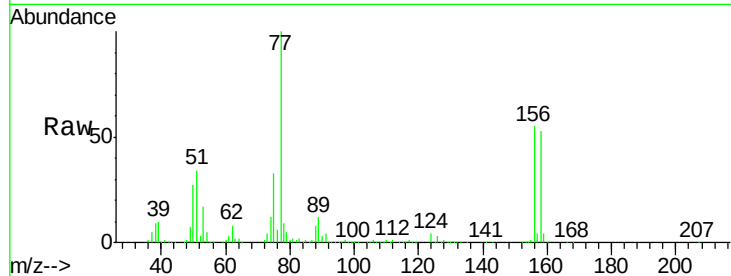
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	110257
Ion Ratio	Lower	Upper	
156	100		
77	212.4	110.1	330.1
158	96.7	47.9	143.7

Manual Integrations
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2/19/2020 1:43:02 PM



#78

n-propylbenzene

Concen: 51.564 ug/l

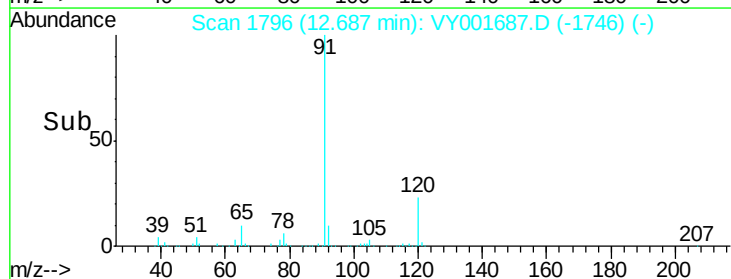
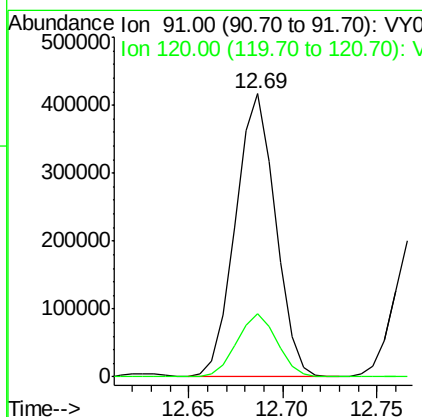
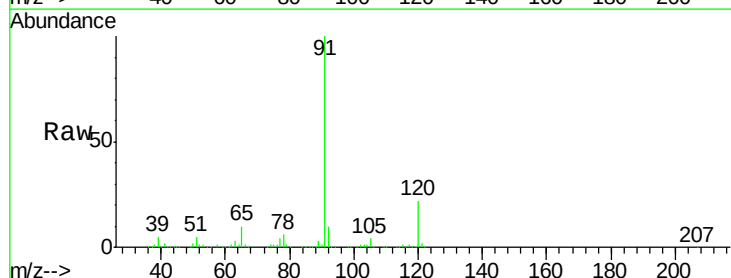
RT: 12.69 min Scan# 1796

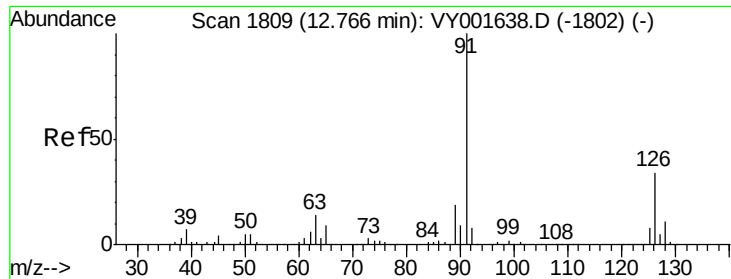
Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Tgt Ion:	91	Resp:	613600
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.1





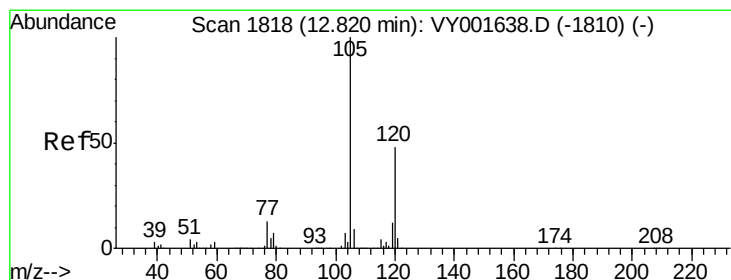
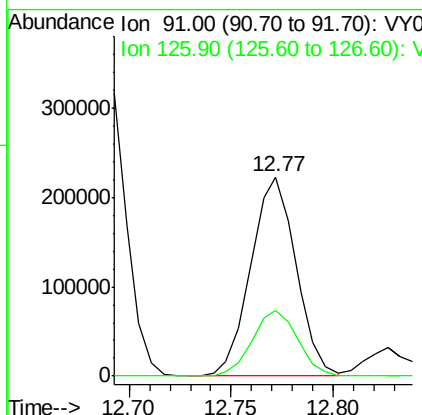
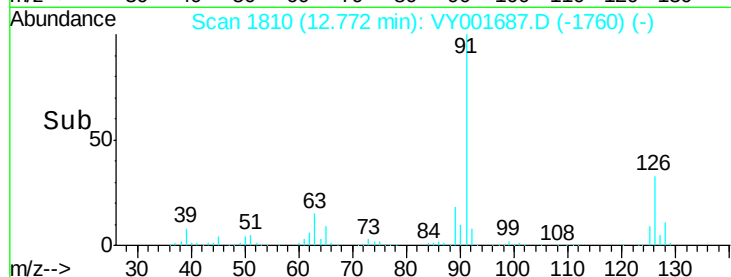
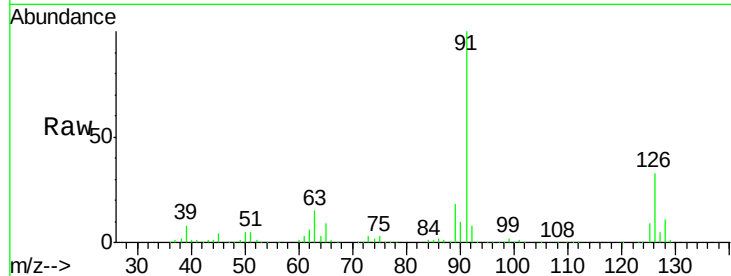
#79
 2-Chlorotoluene
 Concen: 51.640 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 344654
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.2 48.6

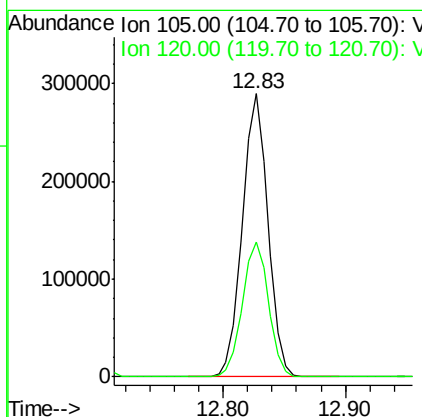
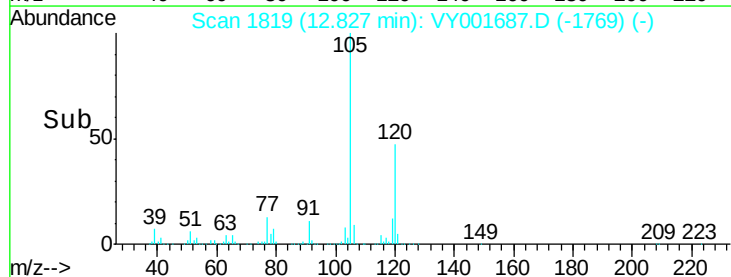
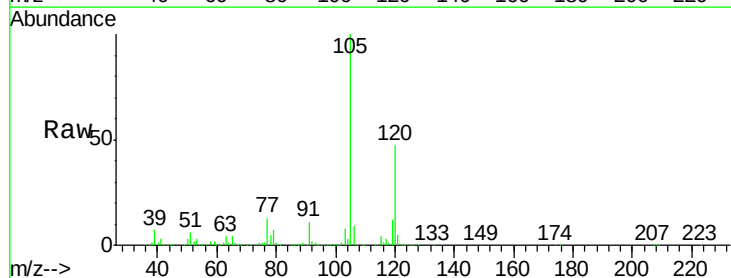
Manual Integrations
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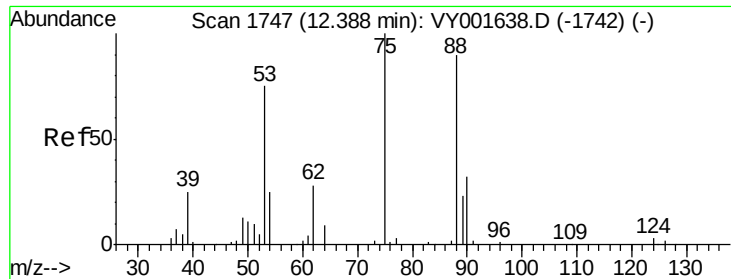
MMDadoda
 2/19/2020 1:43:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.841 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion: 105 Resp: 419290
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.9





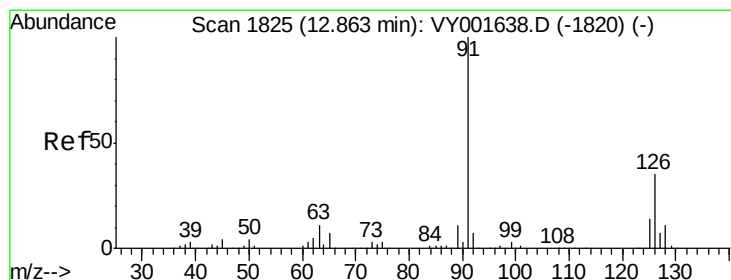
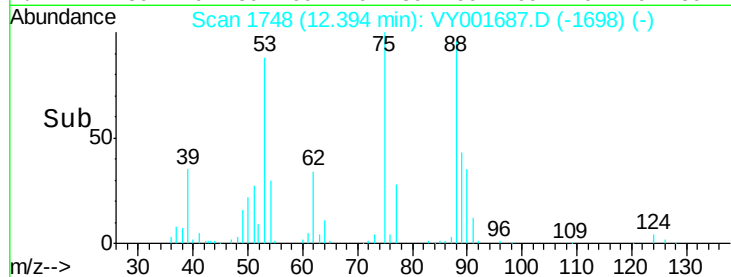
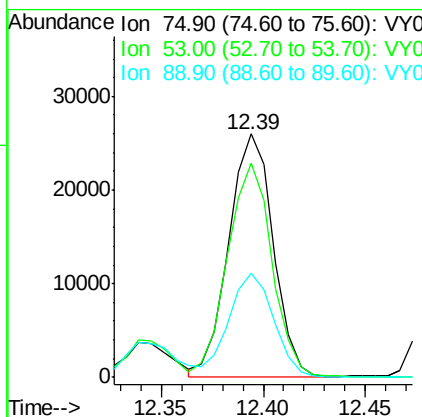
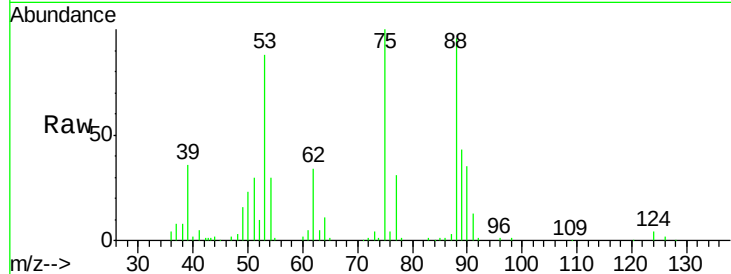
#81
trans-1,4-Dichloro-2-butene
Concen: 50.102 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	64.5	96.7
89	43.2	36.3	54.5

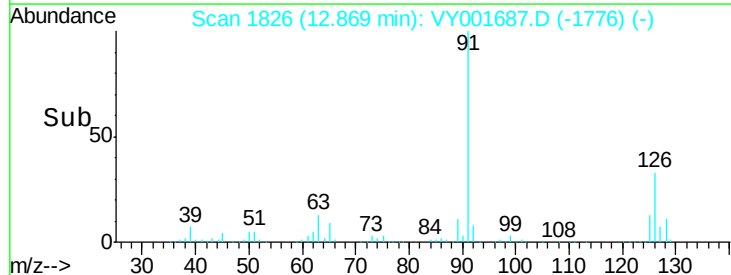
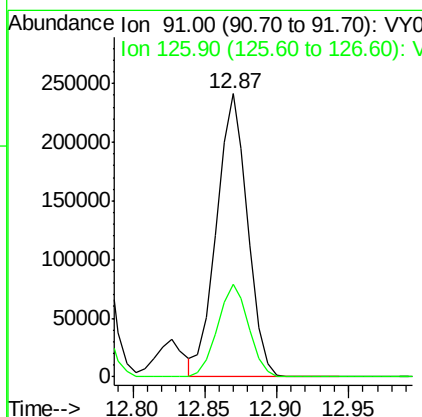
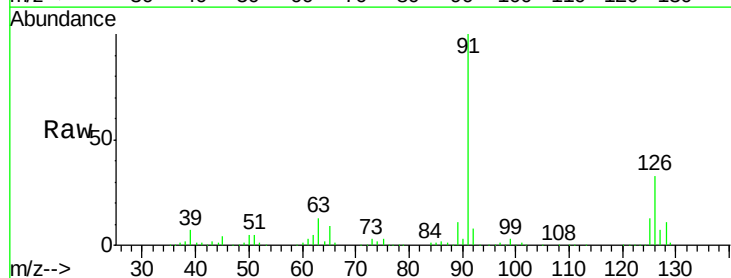
Manual Integrations
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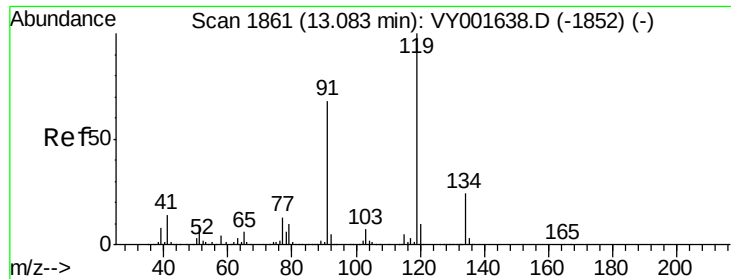
MMDadoda
2/19/2020 1:43:02 PM



#82
4-Chlorotoluene
Concen: 51.634 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





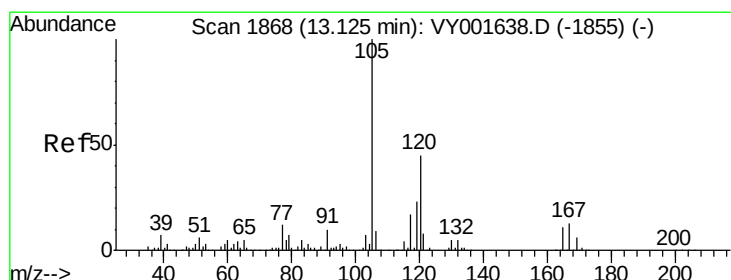
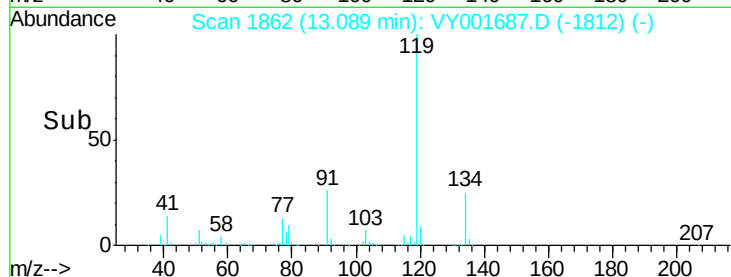
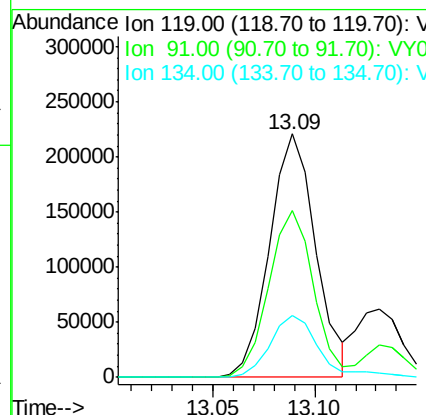
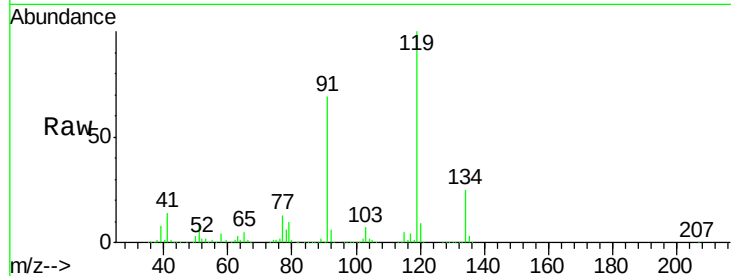
#83
 tert-Butylbenzene
 Concen: 51.439 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.5	100.5
134	26.9	13.3	39.8

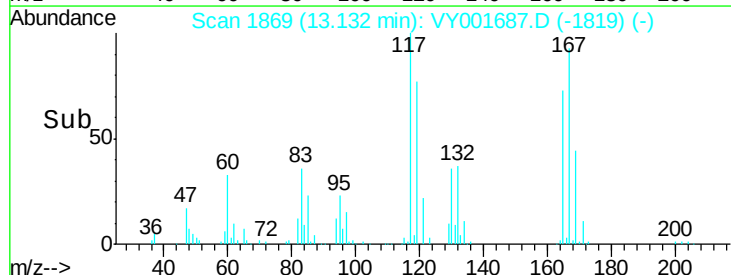
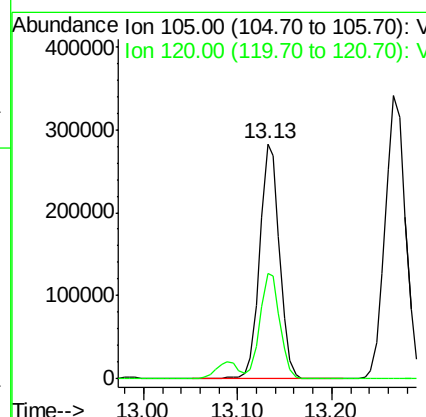
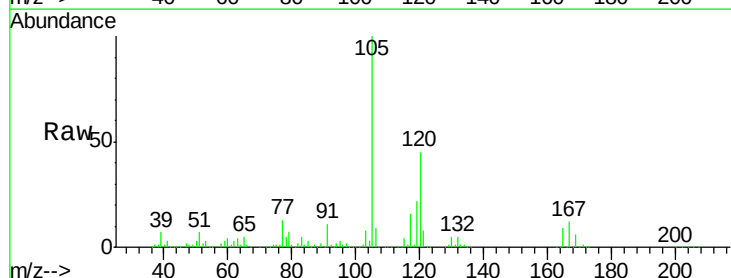
Manual Integrations
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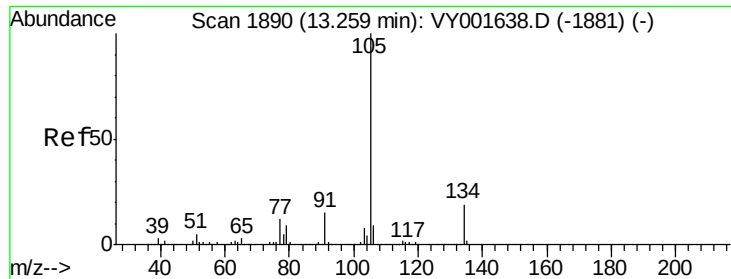
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.014 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 51.378 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 511151

Ion Ratio Lower Upper

105 100

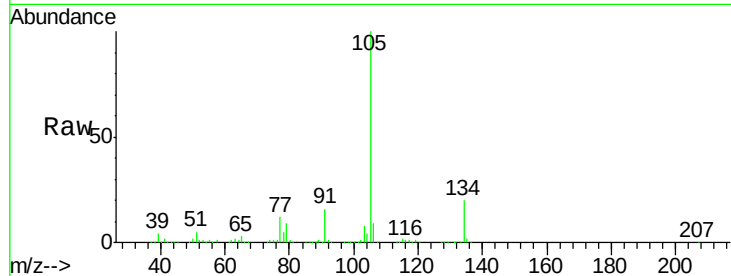
134 19.8 9.8 29.3

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

400000

300000

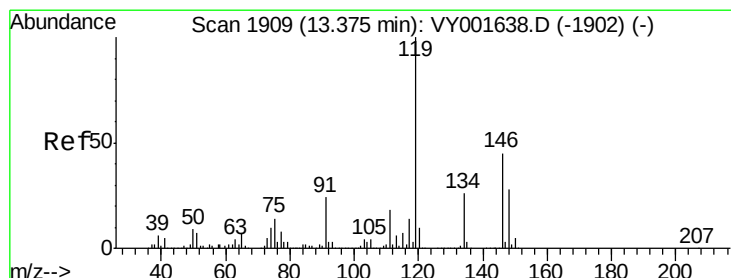
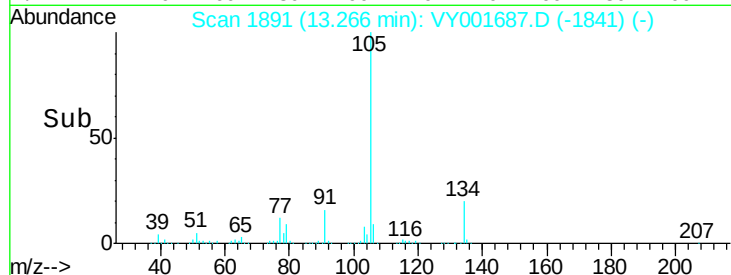
200000

100000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 51.215 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001687.D

Acq: 18 Feb 2020 21:15

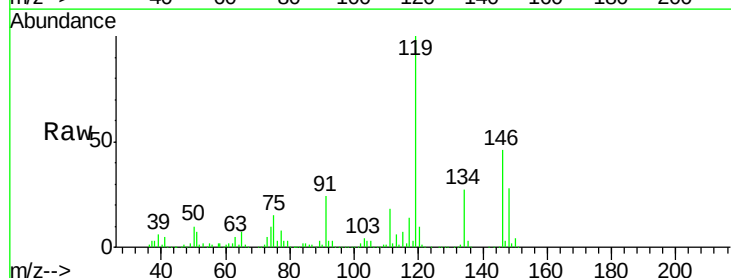
Tgt Ion:119 Resp: 442641

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.9 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

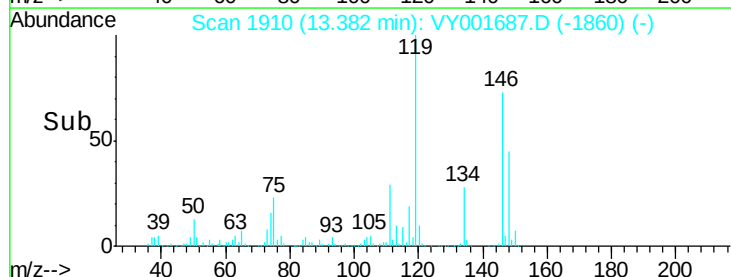
200000

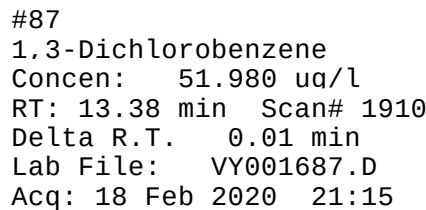
100000

0

13.30 13.35 13.40 13.45

Time-->



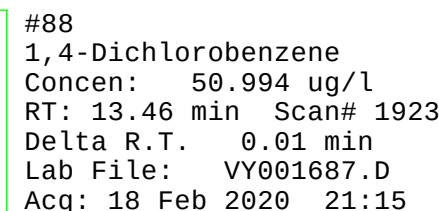
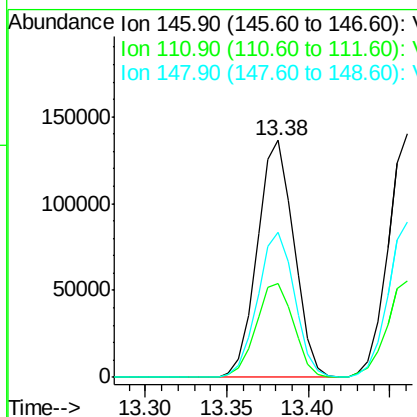


Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

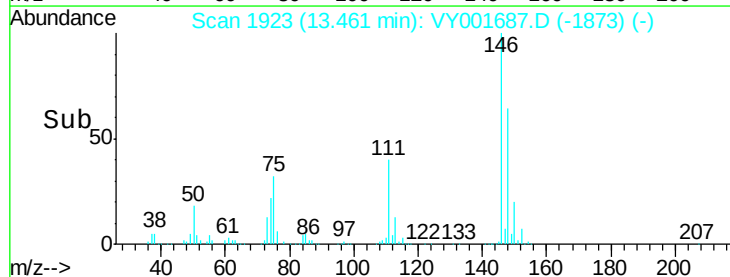
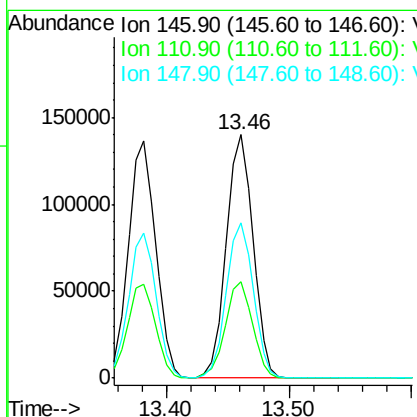
Manual Integrations
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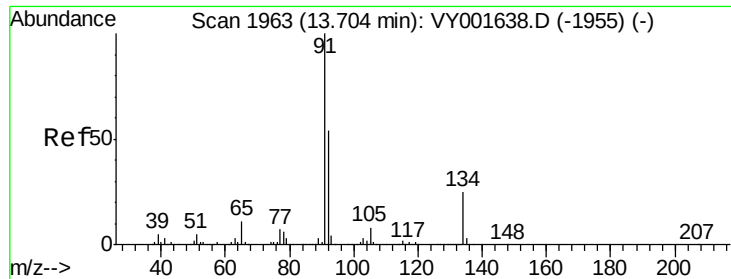
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Tqt	Ion:146	Resp:	213526
Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.4	64.3
148	61.4	31.6	94.7



Tgt	Ion:146	Resp:	211744
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.3	31.6	94.7





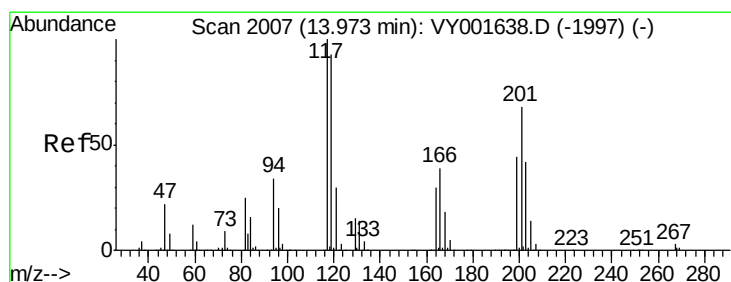
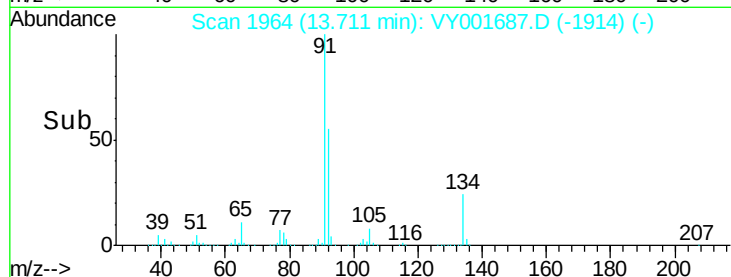
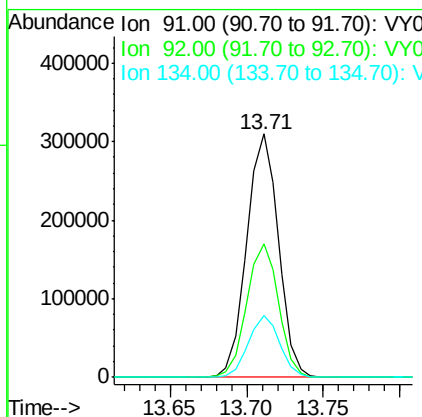
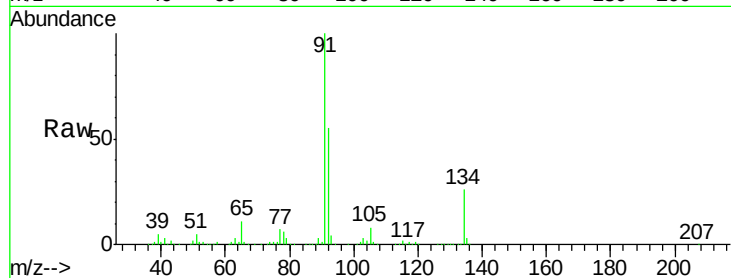
#89
n-Butylbenzene
Concen: 50.560 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	446513		
92	54.8		27.5	82.4
134	25.1		12.4	37.4

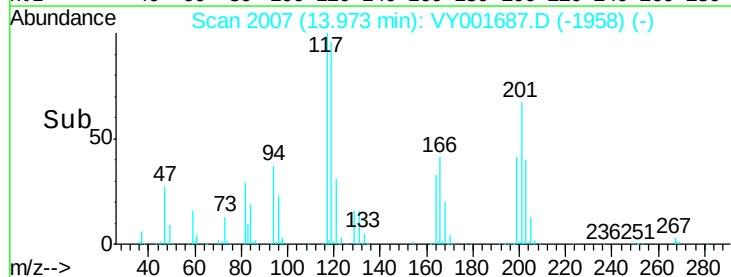
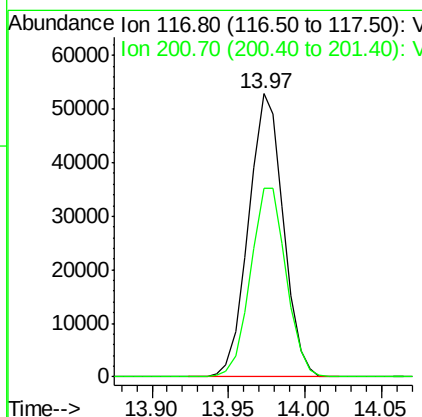
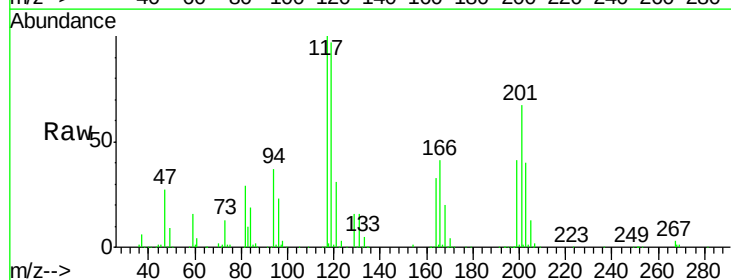
Manual Integrations
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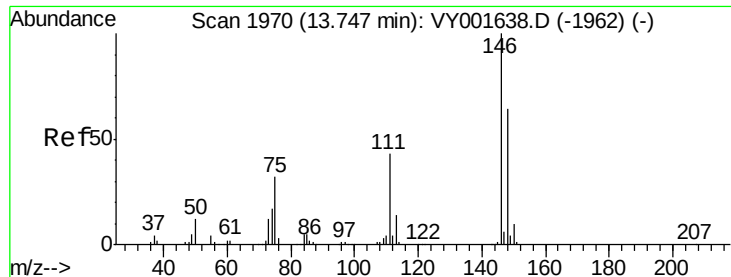
MMDadoda
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#90
Hexachloroethane
Concen: 51.356 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	83628		
201	68.4		32.5	97.4





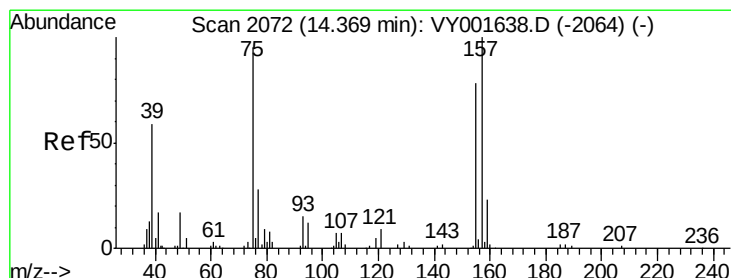
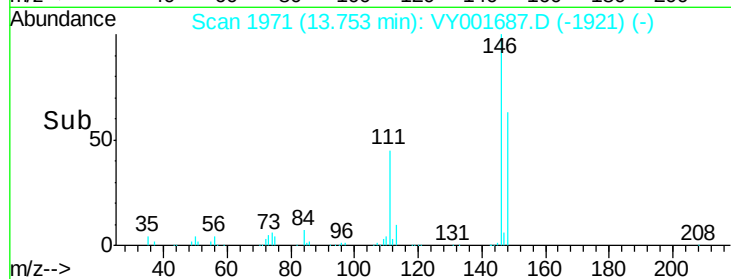
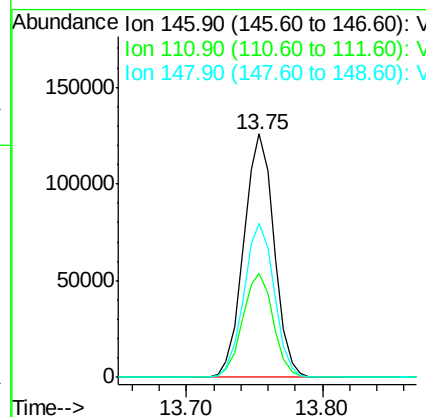
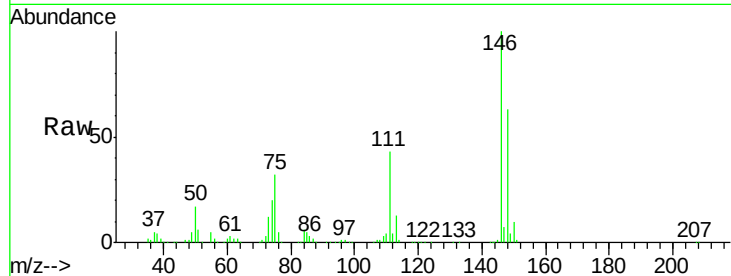
#91
 1,2-Dichlorobenzene
 Concen: 51.702 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	63.2	31.5	94.5

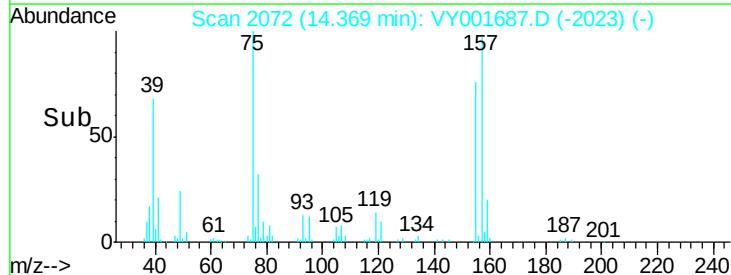
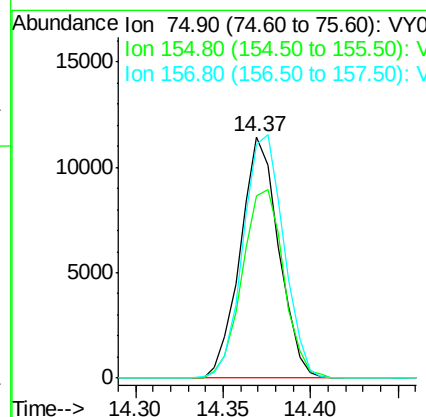
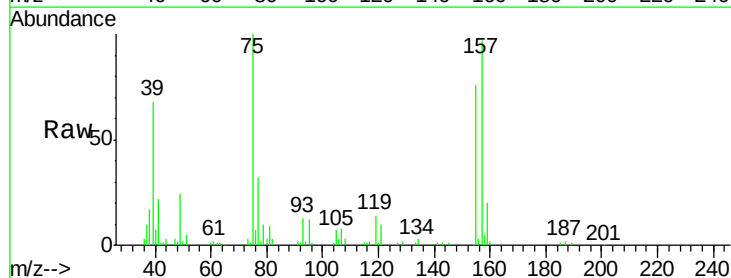
Manual Integrations
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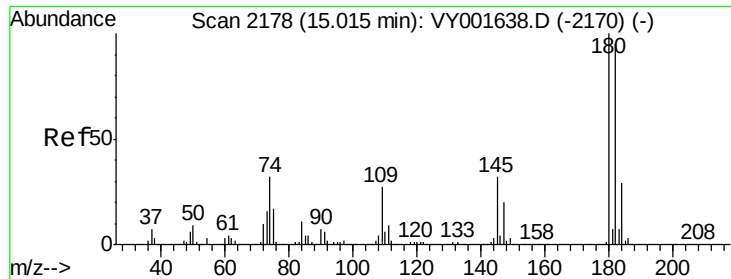
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.834 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	40.8	122.4
157	106.2	52.1	156.4





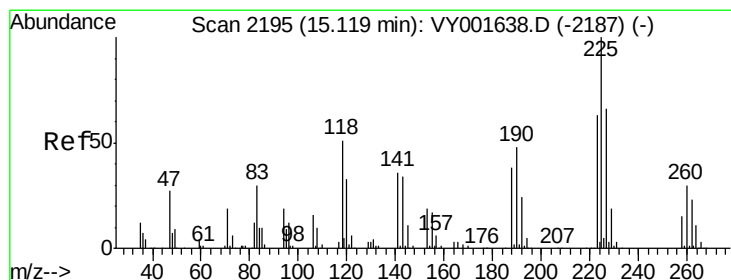
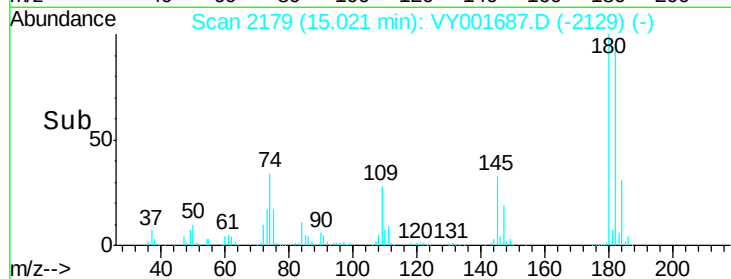
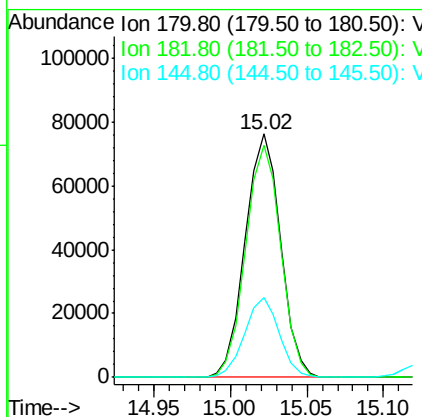
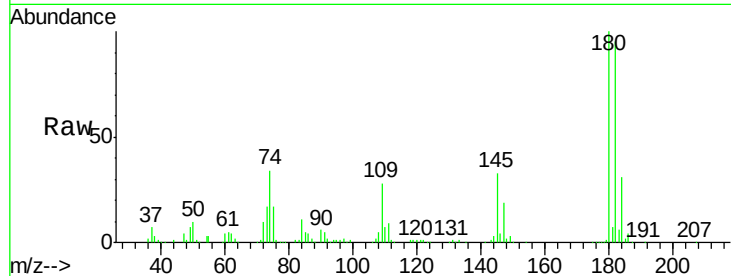
#93
 1,2,4-Trichlorobenzene
 Concen: 48.850 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122719		
182	94.5	46.8	140.3	
145	32.2	16.2	48.5	

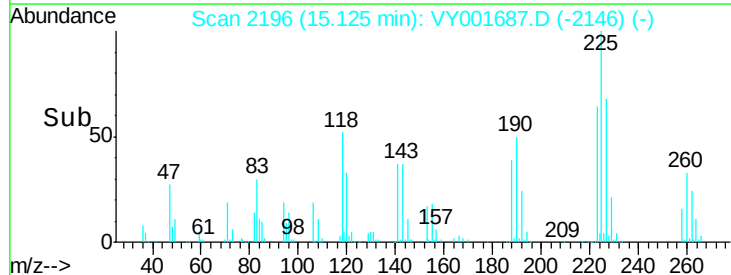
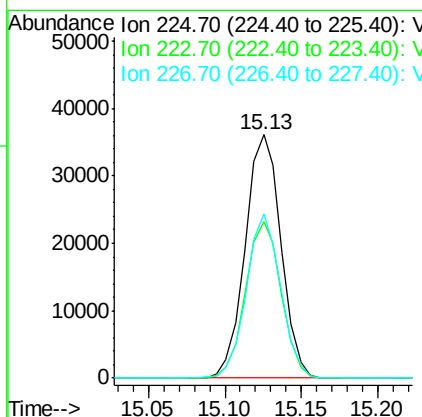
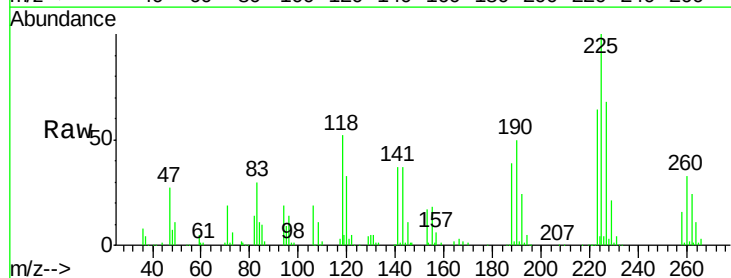
Manual Integrations
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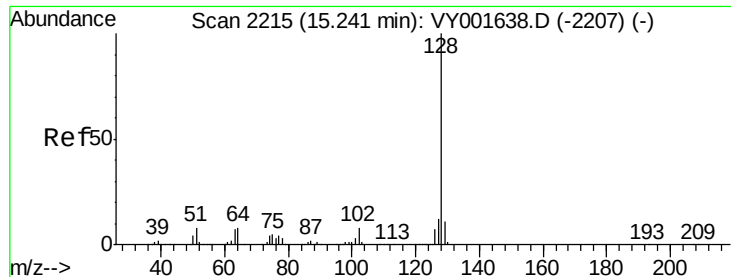
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 46.847 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001687.D
 Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58529		
223	64.1	31.4	94.0	
227	64.7	31.6	94.8	





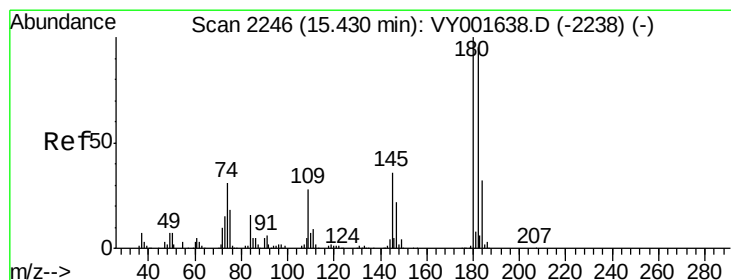
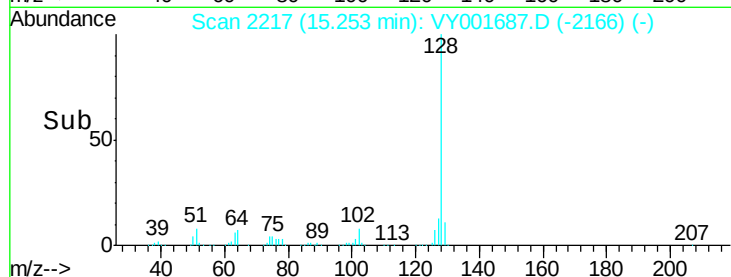
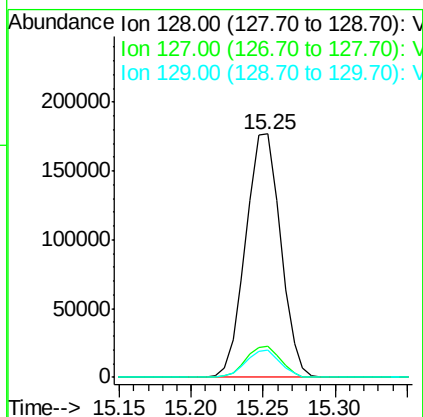
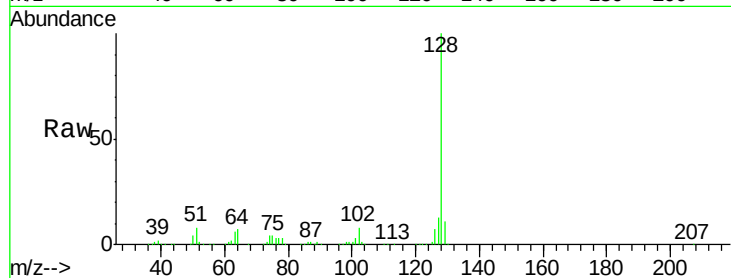
#95
Naphthalene
Concen: 51.389 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	297664		
127	12.7		9.9	14.9
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.390 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001687.D
Acq: 18 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111369		
182	95.2		47.2	141.6
145	33.1		17.3	52.0

