

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001807.D
 Acq On : 28 Feb 2020 18:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:58 AM

Quant Time: Feb 28 22:55:23 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	153026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	282717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	256092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	120826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	89426	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.75	113	82801	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.20	98	342566	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	12.49	95	121256	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	75885	50.873	ug/l	99
3) Chloromethane	2.13	50	97145	48.419	ug/l	99
4) Vinyl Chloride	2.27	62	97422	48.142	ug/l	100
5) Bromomethane	2.67	94	64274	50.819	ug/l	99
6) Chloroethane	2.82	64	63612	51.012	ug/l	97
7) Trichlorofluoromethane	3.15	101	137129	52.946	ug/l	96
8) Diethyl Ether	3.55	74	55788	54.639	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	87186	53.557	ug/l	99
10) Methyl Iodide	4.13	142	99486	49.934	ug/l	99
11) Tert butyl alcohol	5.00	59	46402	242.589	ug/l	97
12) 1,1-Dichloroethene	3.90	96	86013	51.804	ug/l	99
13) Acrolein	3.76	56	47441	285.377	ug/l	99
14) Allyl chloride	4.52	41	158968	53.797	ug/l	100
15) Acrylonitrile	5.21	53	153866	294.001	ug/l	100
16) Acetone	3.98	43	119045	209.019	ug/l	98
17) Carbon Disulfide	4.23	76	263136	47.470	ug/l	100
18) Methyl Acetate	4.52	43	71089	57.315	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	254045	54.955	ug/l	99
20) Methylene Chloride	4.75	84	105087	51.946	ug/l	96
21) trans-1,2-Dichloroethene	5.27	96	97835	51.646	ug/l	98
22) Diisopropyl ether	6.16	45	339039	55.870	ug/l	96
23) Vinyl Acetate	6.10	43	1123002	283.705	ug/l	98
24) 1,1-Dichloroethane	6.06	63	176754	54.497	ug/l	99
25) 2-Butanone	7.03	43	200533	259.188	ug/l	99
26) 2,2-Dichloropropane	7.02	77	143955	51.015	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	112311	53.711	ug/l	99
28) Bromochloromethane	7.37	49	80105	59.289	ug/l	97
29) Tetrahydrofuran	7.38	42	134124	286.811	ug/l	99
30) Chloroform	7.54	83	167127	52.736	ug/l	100
31) Cyclohexane	7.82	56	169042	48.883	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	140048	52.579	ug/l	99
36) 1,1-Dichloropropene	7.95	75	135738	50.264	ug/l	99
37) Ethyl Acetate	7.11	43	87194	54.097	ug/l	99
38) Carbon Tetrachloride	7.93	117	119634	50.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	175149	48.888	ug/l	99
40) Benzene	8.19	78	416590	52.452	ug/l	99
41) Methacrylonitrile	7.35	41	38632m	47.735	ug/l	
42) 1,2-Dichloroethane	8.27	62	111067	51.331	ug/l	98
43) Isopropyl Acetate	8.30	43	169189	55.324	ug/l	99
44) Trichloroethene	8.97	130	100356	50.617	ug/l	99
45) 1,2-Dichloropropane	9.24	63	108997	54.798	ug/l	97
46) Dibromomethane	9.33	93	56160	53.981	ug/l	99
47) Bromodichloromethane	9.52	83	133040	52.985	ug/l	96
48) Methyl methacrylate	9.31	41	75063	54.272	ug/l	100
49) 1,4-Dioxane	9.33	88	16250	1105.894	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	438786	279.259	ug/l	99
52) Toluene	10.27	92	255077	51.487	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	145553	52.437	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	170919	53.500	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	83376	54.350	ug/l	97
56) Ethyl methacrylate	10.53	69	127782	55.525	ug/l	99
57) 1,3-Dichloropropane	10.81	76	148602	54.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	230950	268.240	ug/l	100
59) 2-Hexanone	10.85	43	310726	263.565	ug/l	99
60) Dibromochloromethane	11.00	129	89869	53.136	ug/l	100
61) 1,2-Dibromoethane	11.11	107	79345	54.702	ug/l	98
64) Tetrachloroethene	10.74	164	80583	50.125	ug/l	98
65) Chlorobenzene	11.53	112	264777	51.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	89627	51.966	ug/l	99
67) Ethyl Benzene	11.61	91	495018	52.172	ug/l	100
68) m/p-Xylenes	11.72	106	368330	103.922	ug/l	98
69) o-Xylene	12.04	106	174799	51.876	ug/l	98
70) Styrene	12.06	104	308841	52.739	ug/l	99
71) Bromoform	12.22	173	51362	52.110	ug/l #	100
73) Isopropylbenzene	12.34	105	468494	50.897	ug/l	100
74) N-amyl acetate	12.16	43	154916	52.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	107703	54.799	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	76845m	55.442	ug/l	
77) Bromobenzene	12.62	156	102250	51.242	ug/l	98
78) n-propylbenzene	12.68	91	577087	51.477	ug/l	100
79) 2-Chlorotoluene	12.77	91	322076	51.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	388132	50.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	38411	52.576	ug/l	96
82) 4-Chlorotoluene	12.86	91	337608	50.910	ug/l	99
83) tert-Butylbenzene	13.09	119	328290	51.515	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	386439	50.872	ug/l	100
85) sec-Butylbenzene	13.27	105	475216	50.703	ug/l	100
86) p-Isopropyltoluene	13.38	119	407990	50.108	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	197512	51.038	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	196861	50.324	ug/l	99
89) n-Butylbenzene	13.70	91	423094	50.853	ug/l	99
90) Hexachloroethane	13.97	117	77869	50.759	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	182734	51.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	16544	51.005	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	117528	49.659	ug/l	98
94) Hexachlorobutadiene	15.12	225	55242	46.934	ug/l	100
95) Naphthalene	15.25	128	284683	52.170	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	103912	49.907	ug/l	99

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

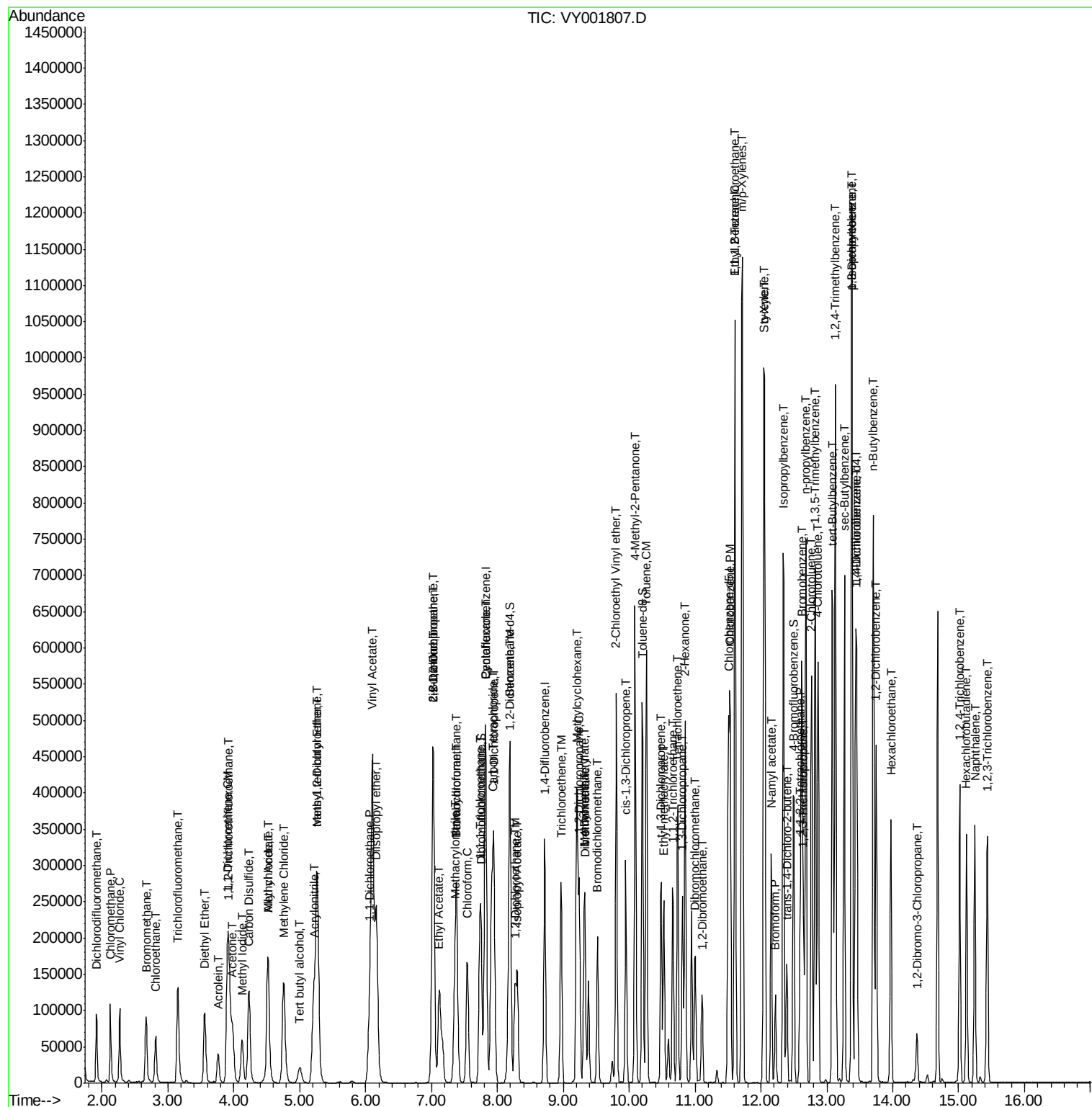
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
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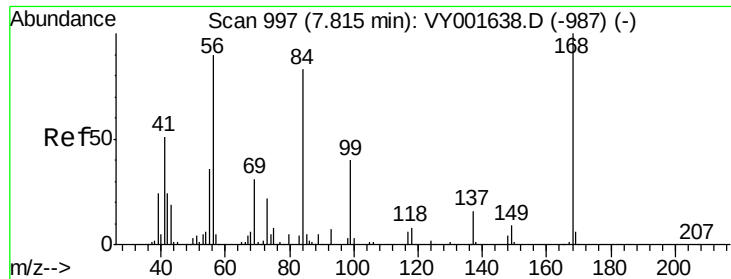
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 153026

Ion Ratio Lower Upper

168 100

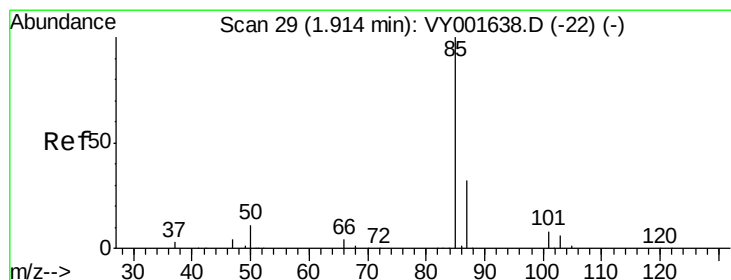
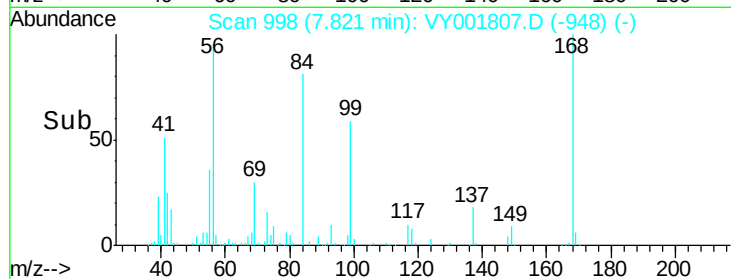
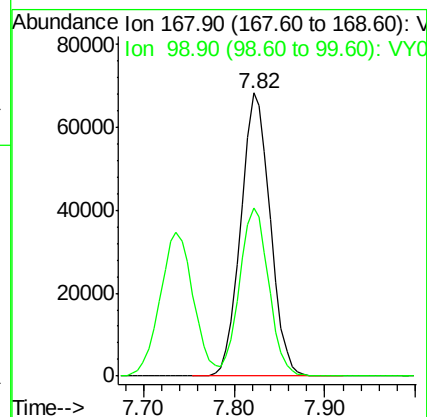
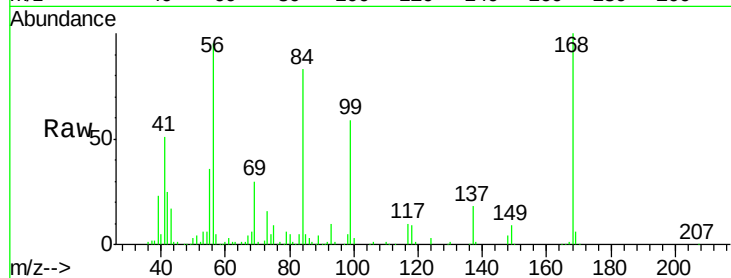
99 59.4 47.5 71.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.873 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001807.D

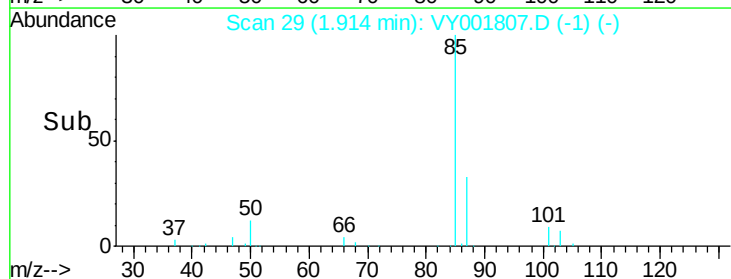
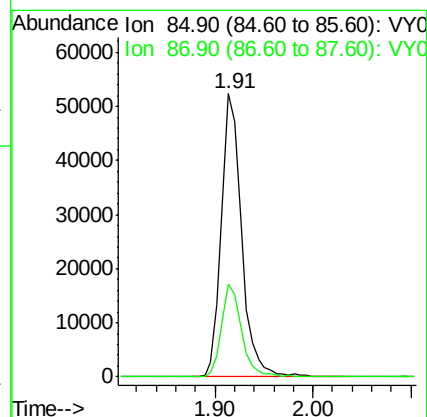
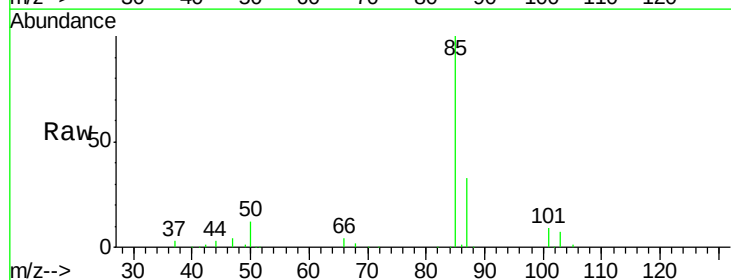
Acq: 28 Feb 2020 18:39

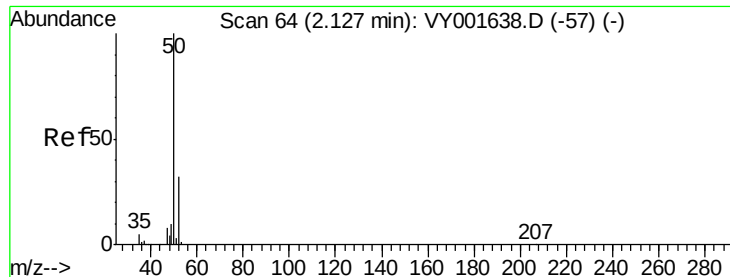
Tgt Ion: 85 Resp: 75885

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6





#3

Chloromethane

Concen: 48.419 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97145

Ion Ratio Lower Upper

50 100

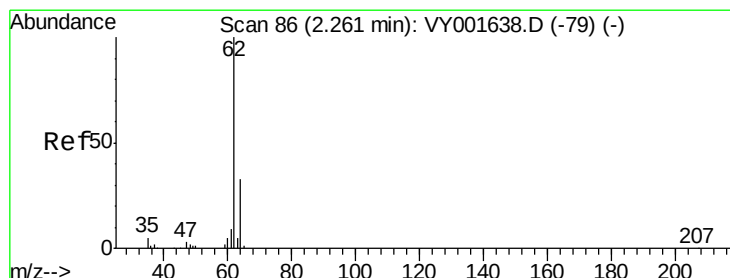
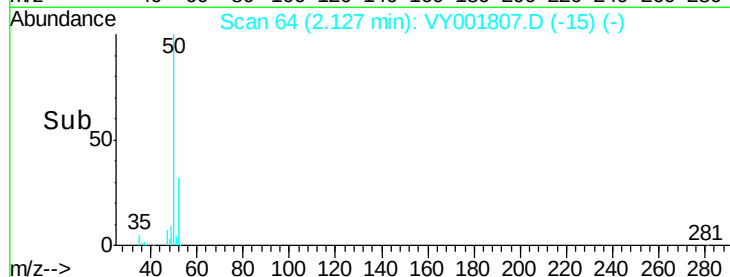
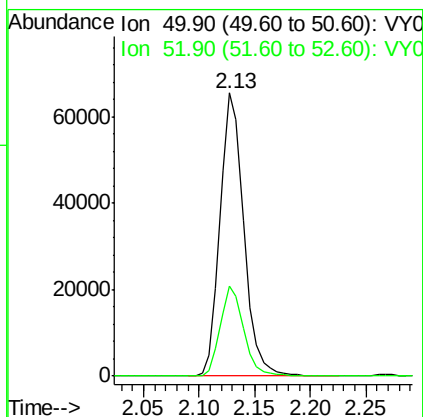
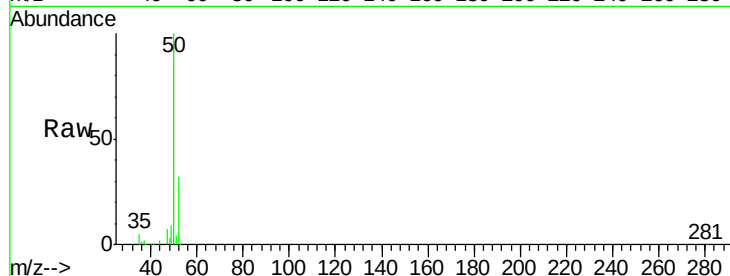
52 31.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.142 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001807.D

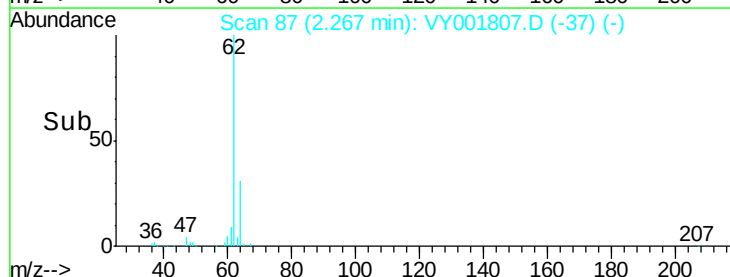
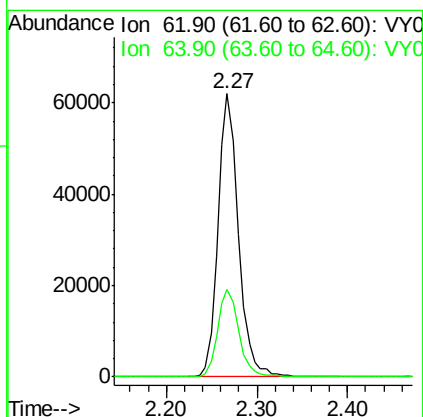
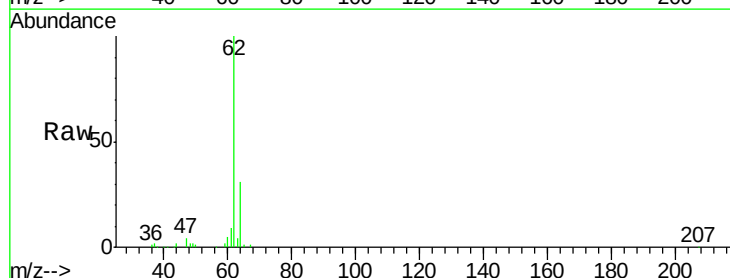
Acq: 28 Feb 2020 18:39

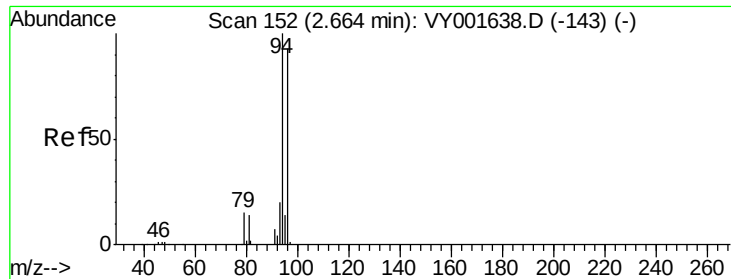
Tgt Ion: 62 Resp: 97422

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3





#5

Bromomethane

Concen: 50.819 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64274

Ion Ratio Lower Upper

94 100

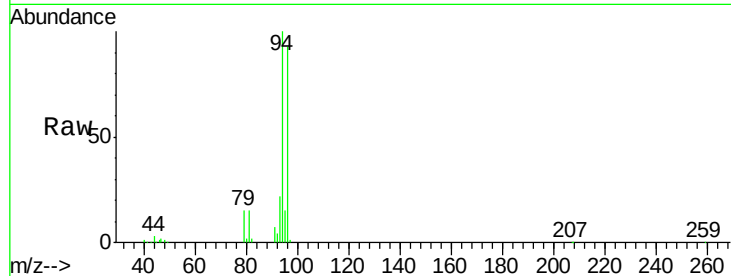
96 93.0 73.7 110.5

Manual Integrations

APPROVED

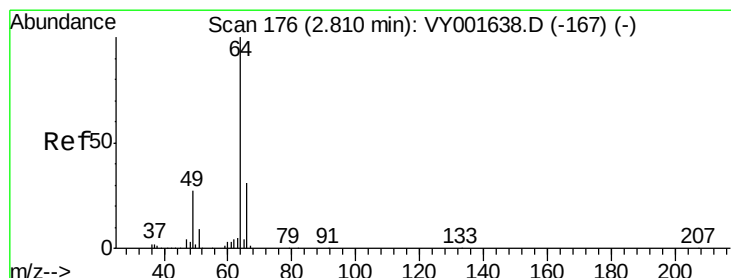
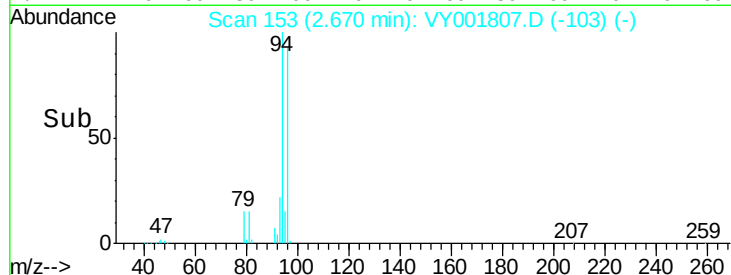
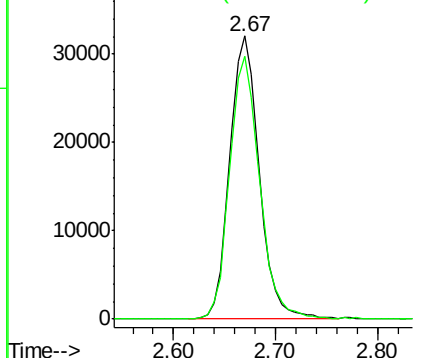
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.012 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001807.D

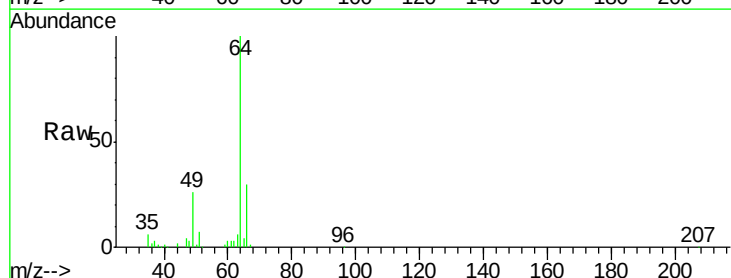
Acq: 28 Feb 2020 18:39

Tgt Ion: 64 Resp: 63612

Ion Ratio Lower Upper

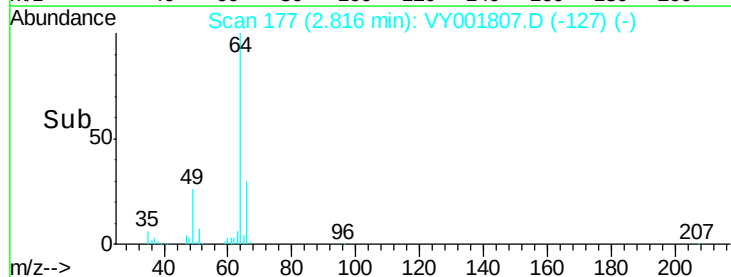
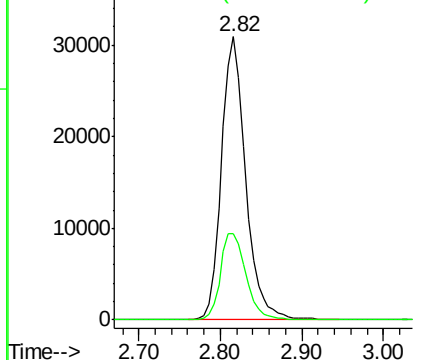
64 100

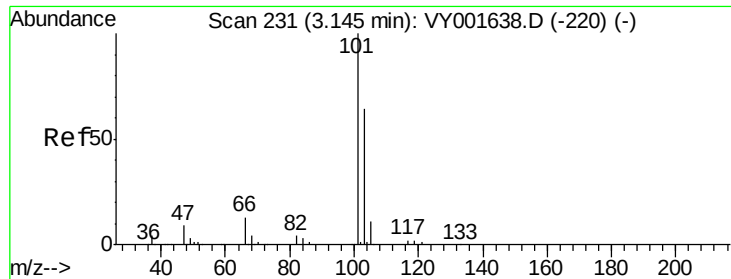
66 30.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

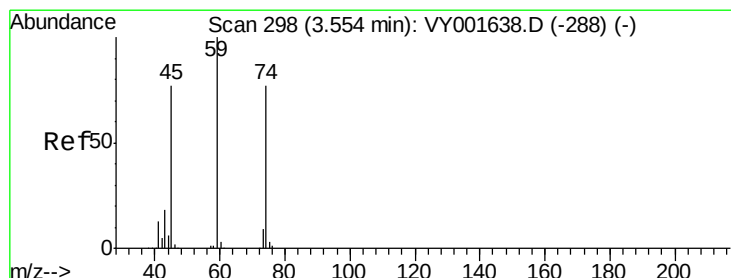
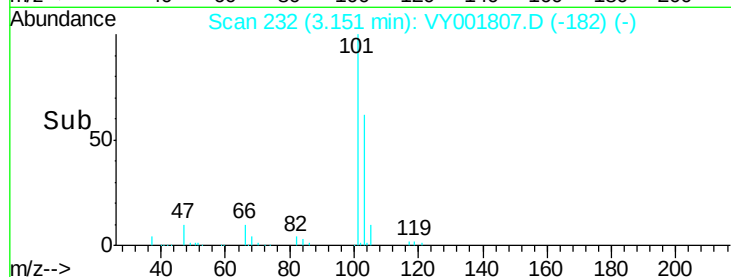
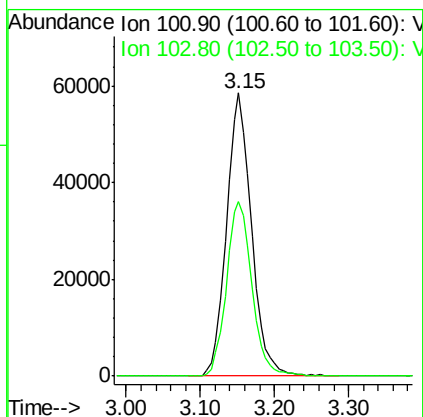
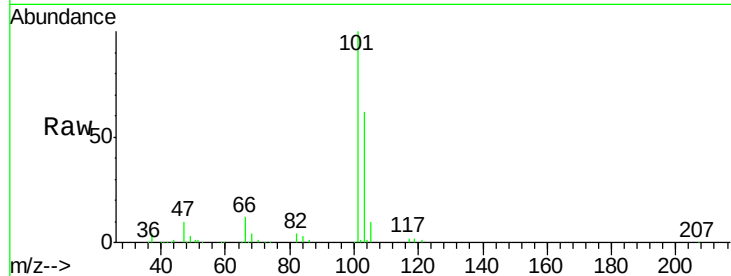
Trichlorofluoromethane
Concen: 52.946 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001807.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.2	78.2

Manual Integrations
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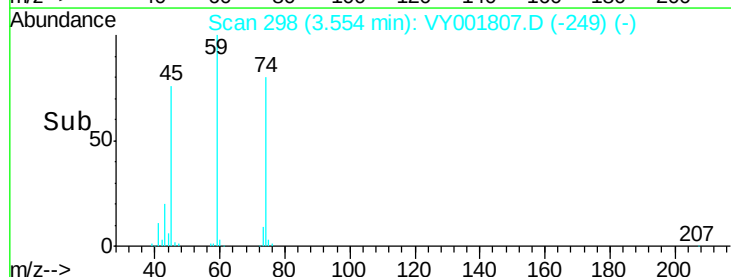
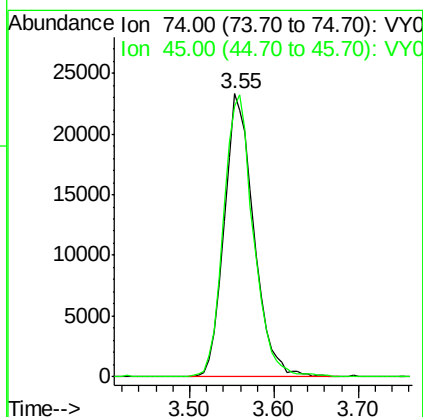
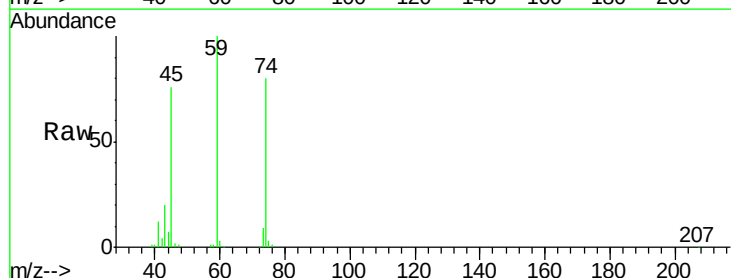
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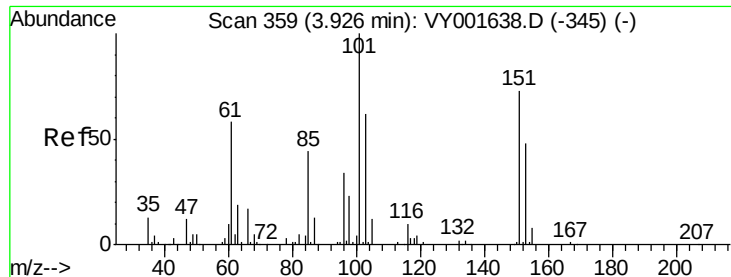


#8

Diethyl Ether
Concen: 54.639 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY001807.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.557 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001807.D

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MSVOA_Y

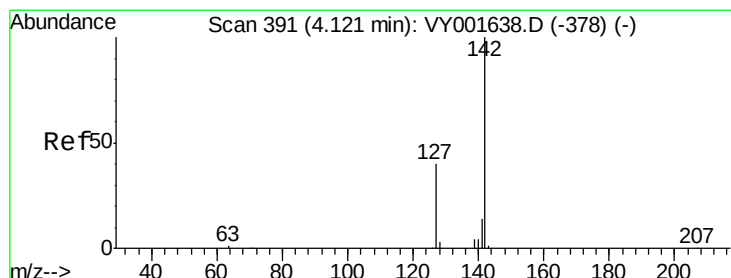
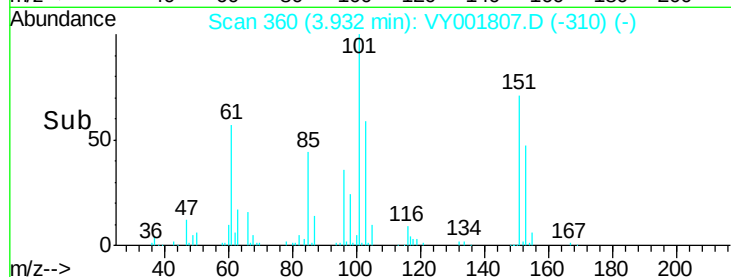
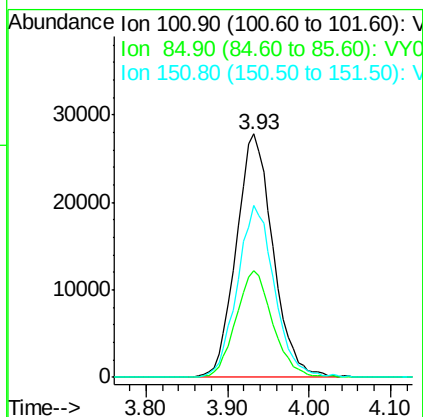
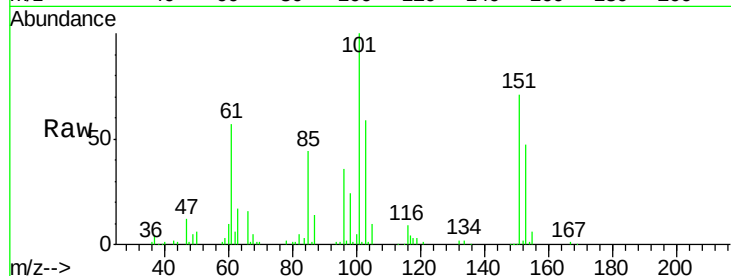
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	87186
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	71.3	58.4	87.6

Manual Integrations
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MMDadoda
3/2/2020 10:35:58 AM



#10

Methyl Iodide

Concen: 49.934 ug/l

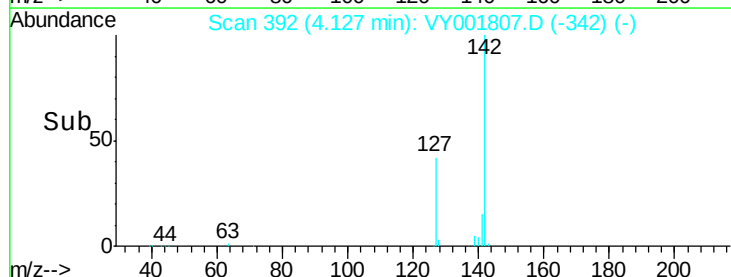
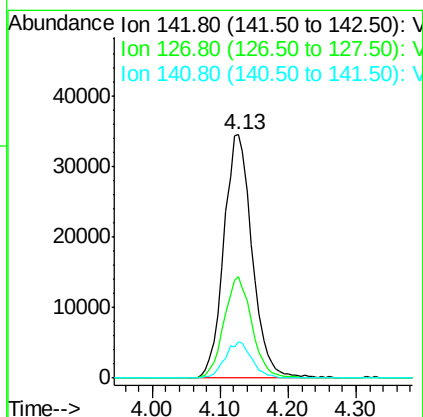
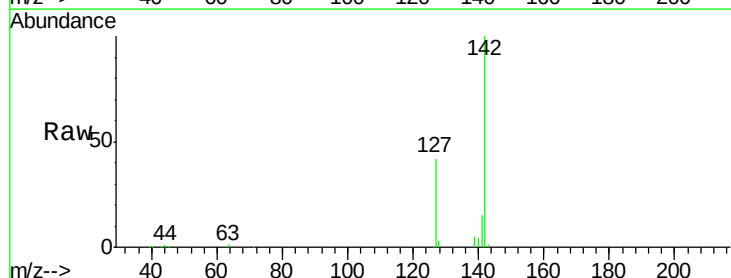
RT: 4.13 min Scan# 392

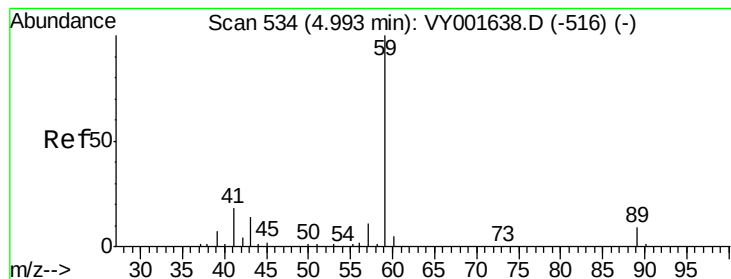
Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	142	Resp:	99486
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.1	48.1
141	14.2	11.3	16.9





#11

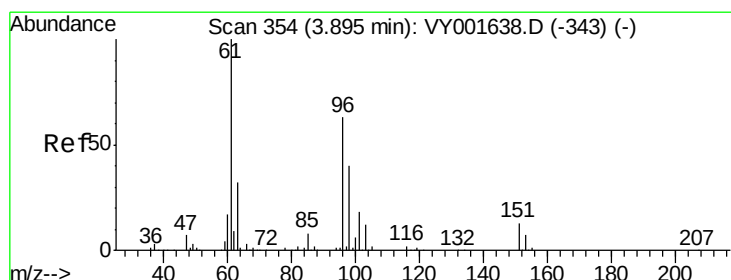
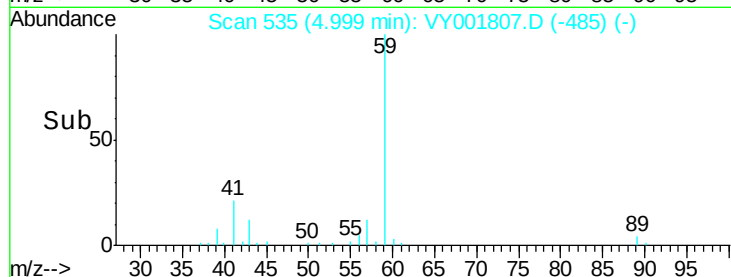
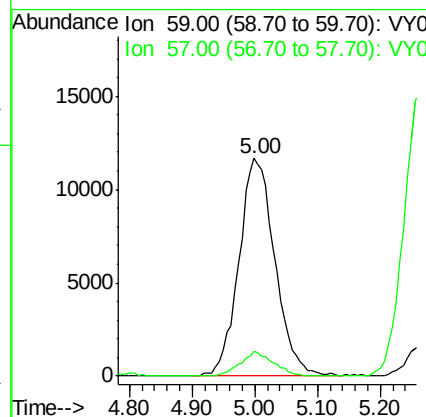
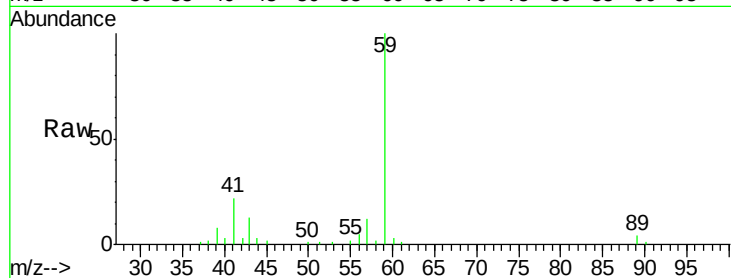
Tert butyl alcohol
 Concen: 242.589 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.2

Manual Integrations
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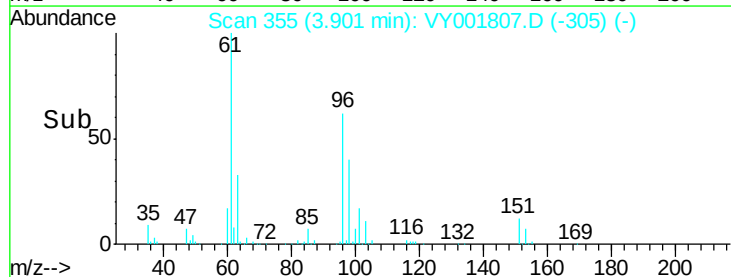
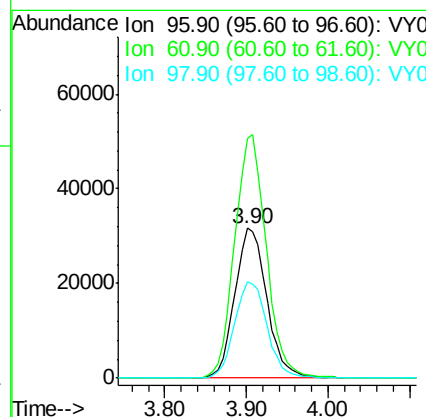
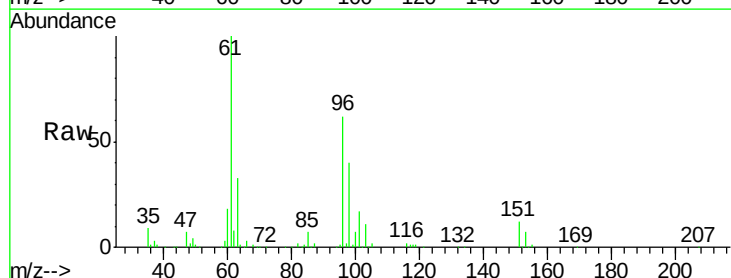
MMDadoda
 3/2/2020 10:35:58 AM

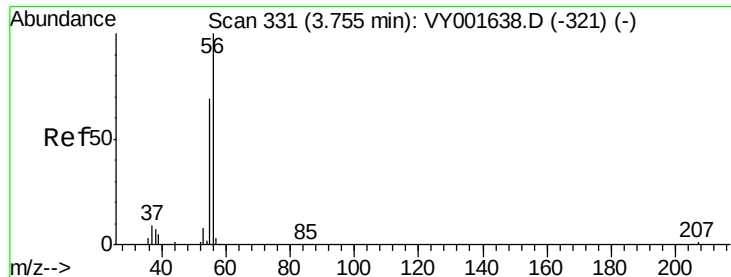


#12

1,1-Dichloroethene
 Concen: 51.804 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	128.7	193.1
98	64.2	50.7	76.1





#13

Acrolein

Concen: 285.377 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 47441

Ion Ratio Lower Upper

56 100

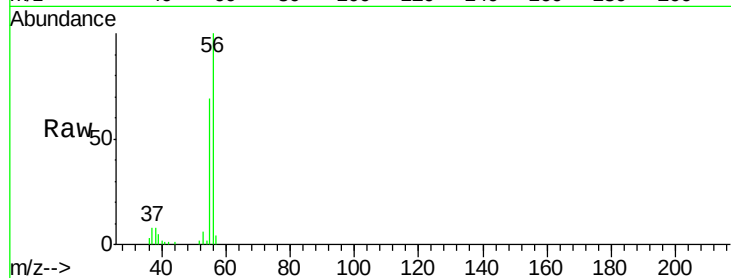
55 71.1 56.1 84.1

Manual Integrations

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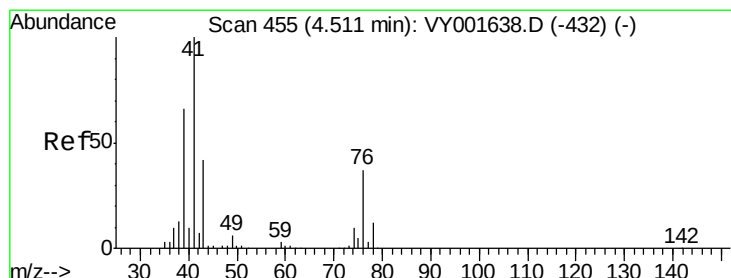
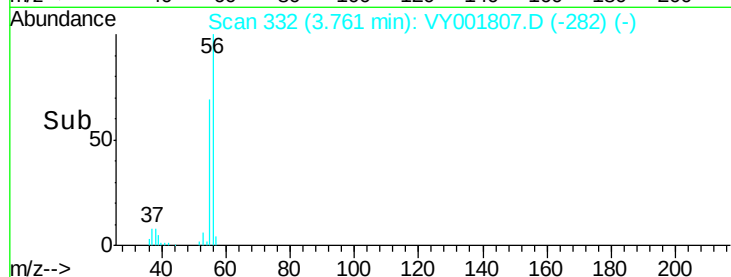
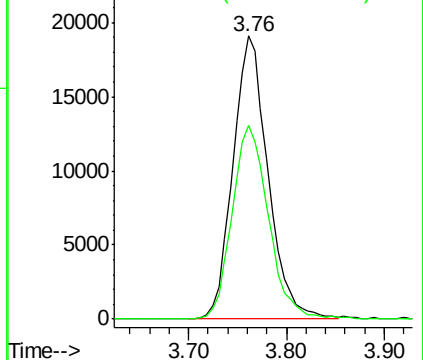
MMDadoda

3/2/2020 10:35:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 53.797 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

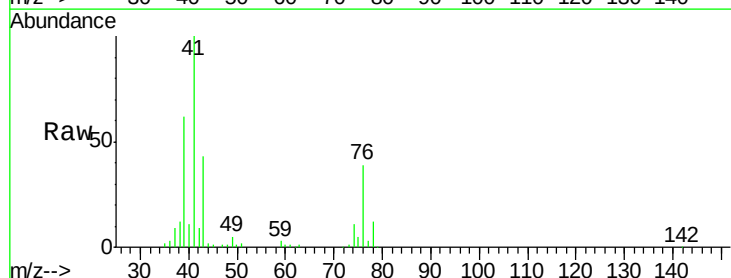
Tgt Ion: 41 Resp: 158968

Ion Ratio Lower Upper

41 100

39 61.7 49.4 74.0

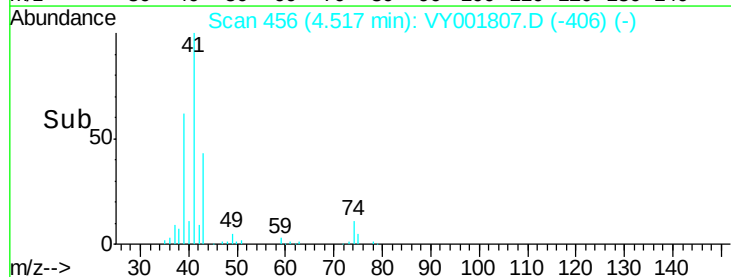
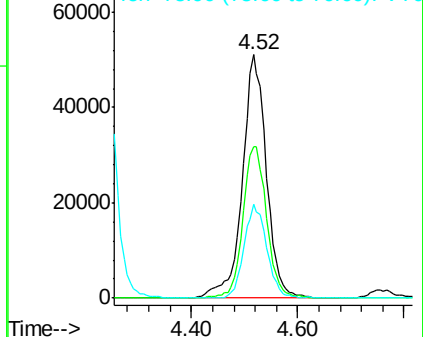
76 36.4 29.0 43.6

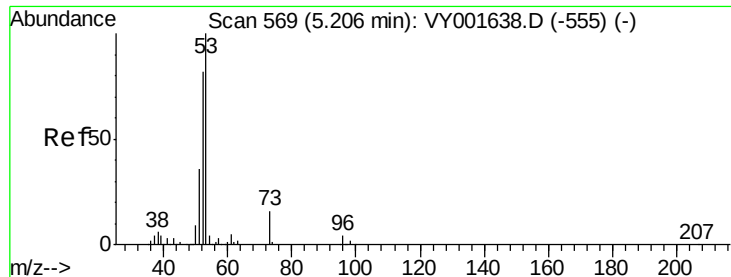


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 294.001 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

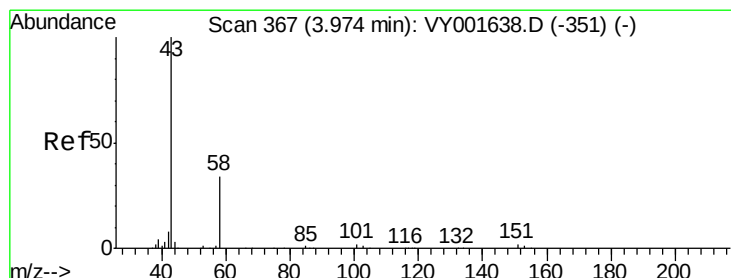
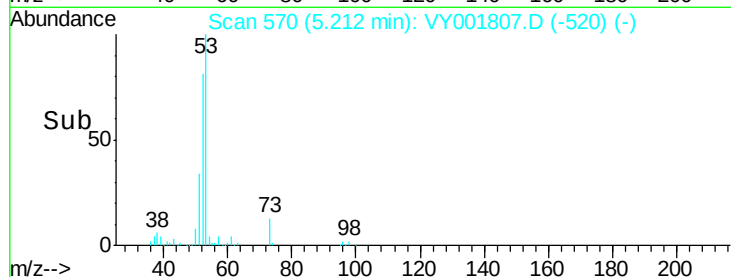
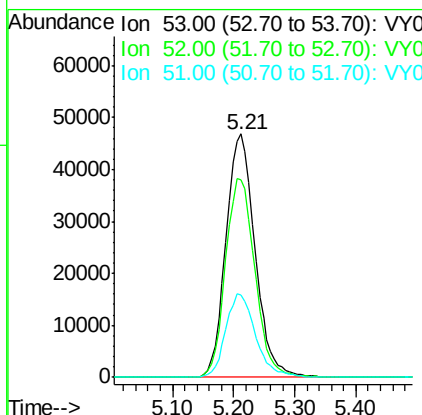
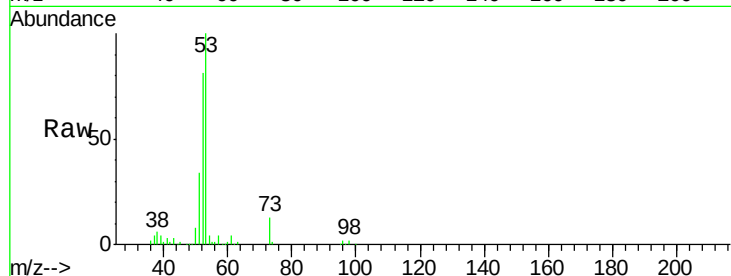
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	153866
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	35.1	28.0	42.0

Manual Integrations
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MMDadoda
3/2/2020 10:35:58 AM



#16

Acetone

Concen: 209.019 ug/l

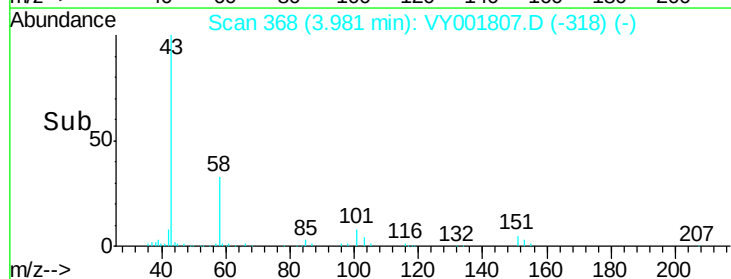
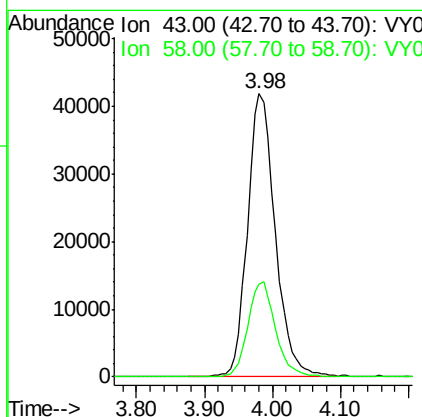
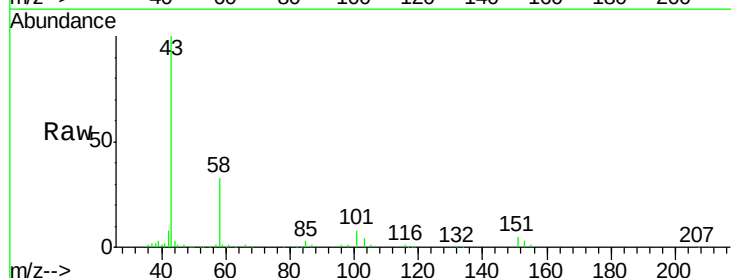
RT: 3.98 min Scan# 368

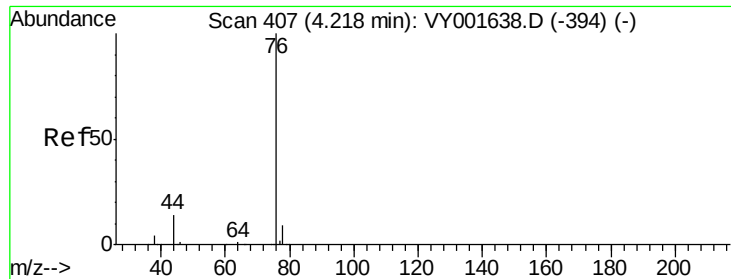
Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	43	Resp:	119045
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.3	40.9





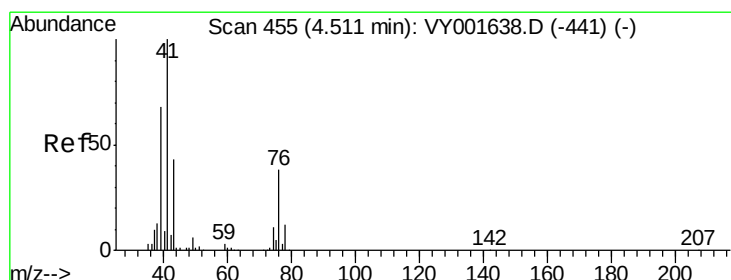
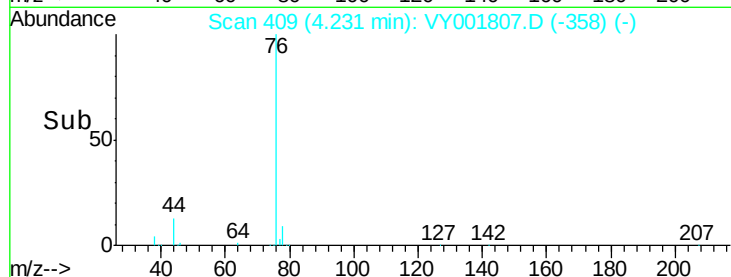
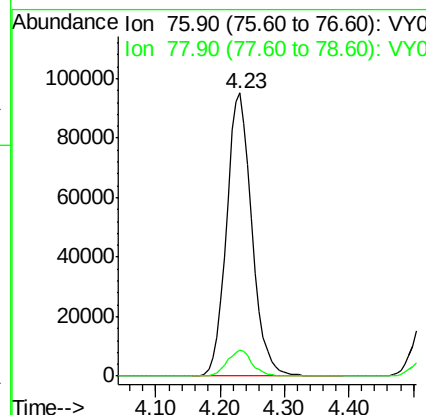
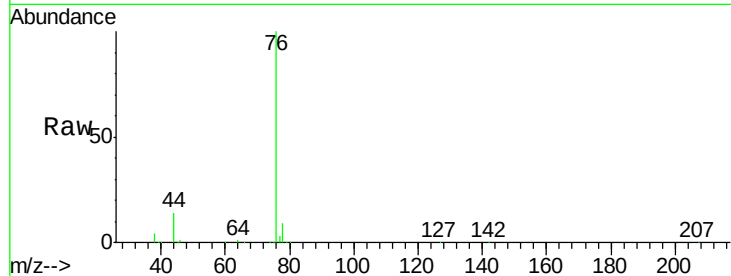
#17
Carbon Disulfide
Concen: 47.470 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

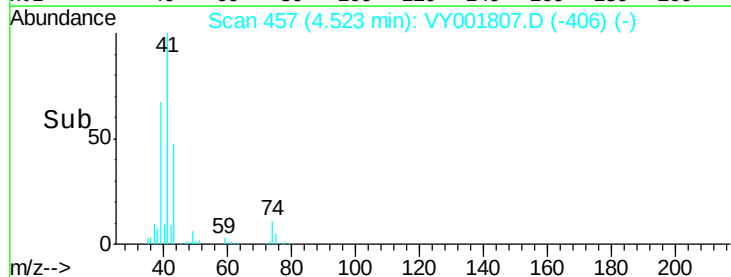
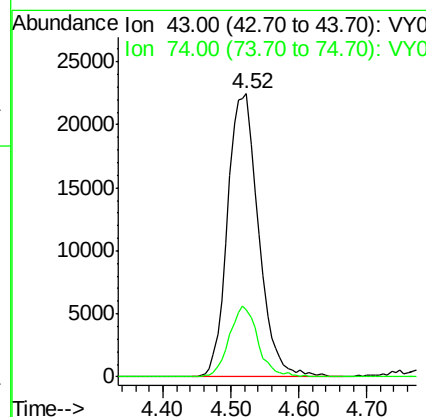
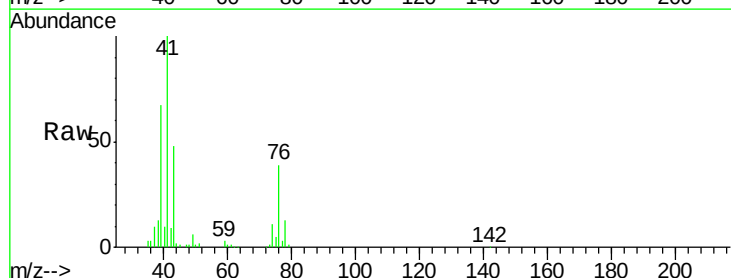
Manual Integrations
APPROVED

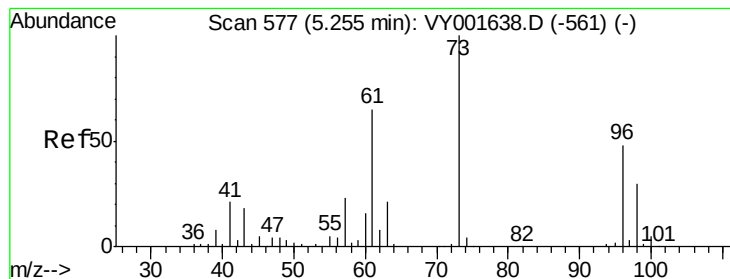
MMDadoda
3/2/2020 10:35:58 AM



#18
Methyl Acetate
Concen: 57.315 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.1	28.7





#19

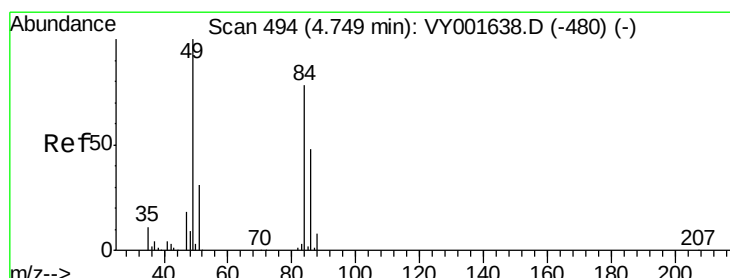
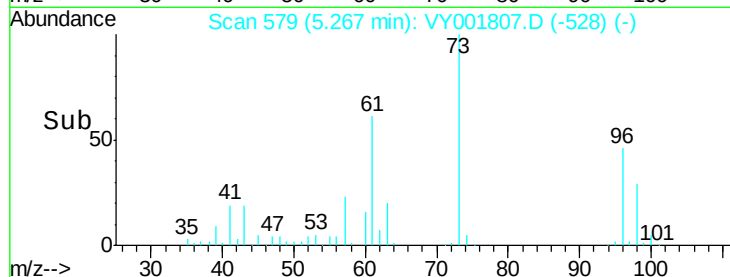
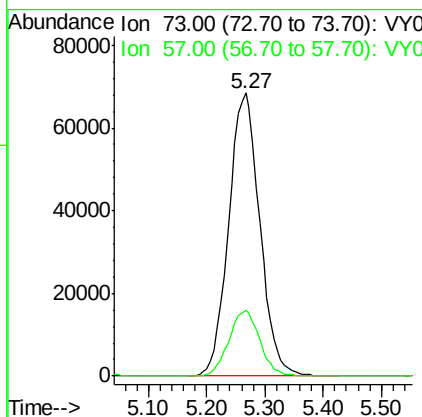
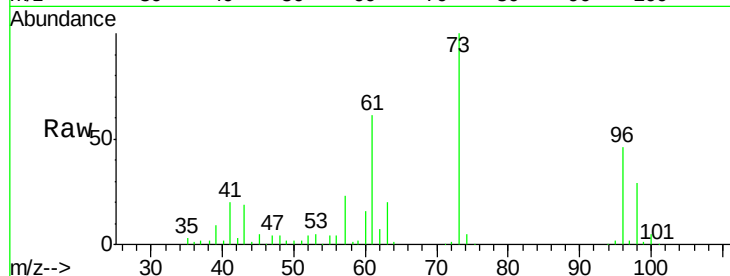
Methyl tert-butyl Ether
 Concen: 54.955 ug/l
 RT: 5.27 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.0	28.6

Manual Integrations
 APPROVED

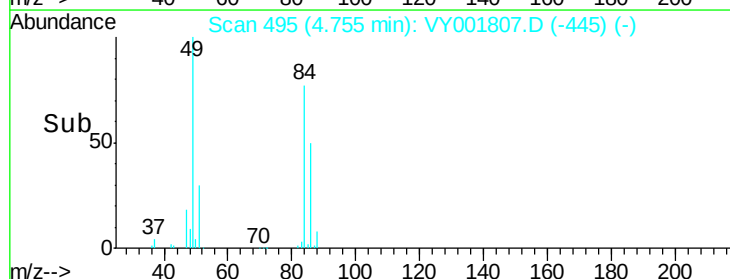
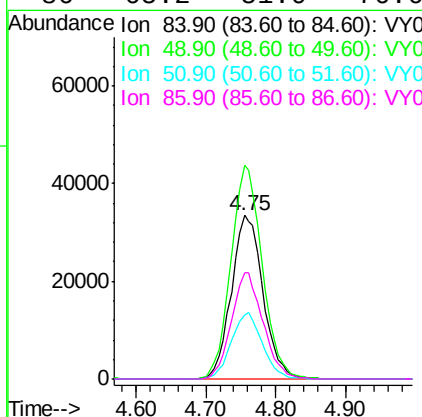
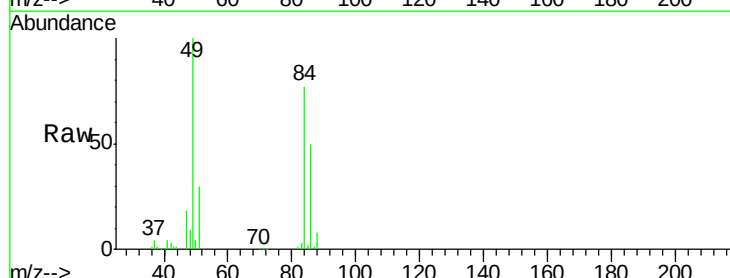
MMDadoda
 3/2/2020 10:35:58 AM

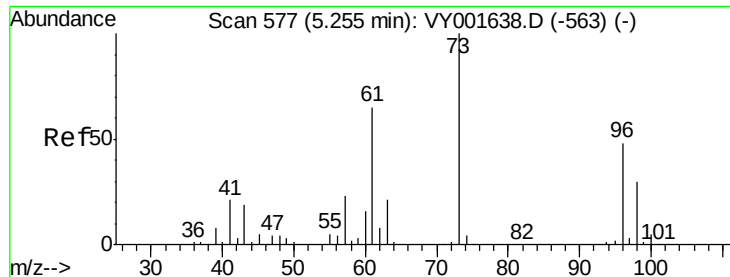


#20

Methylene Chloride
 Concen: 51.946 ug/l
 RT: 4.75 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	99.2	148.8
51	39.2	31.5	47.3
86	65.2	51.0	76.6





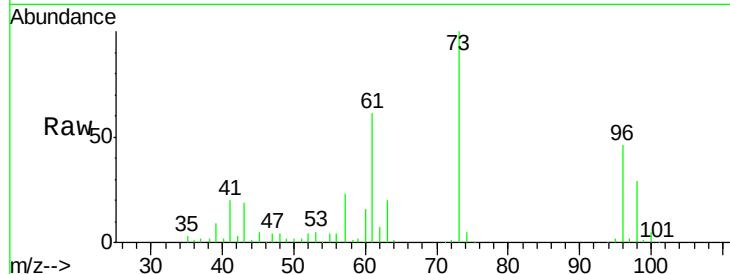
#21
trans-1,2-Dichloroethene
Concen: 51.646 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	107.9	161.9
98	63.9	49.8	74.8

Manual Integrations
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MMDadoda
3/2/2020 10:35:58 AM

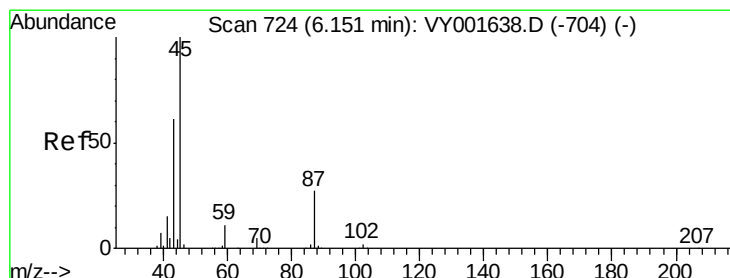
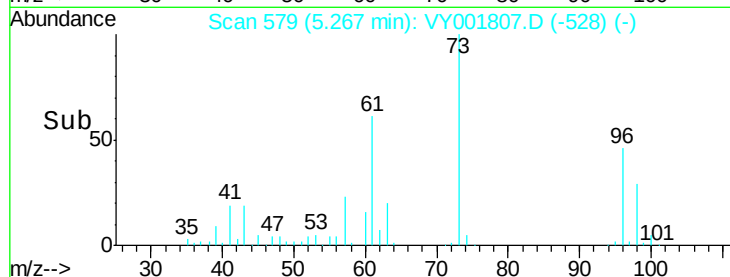
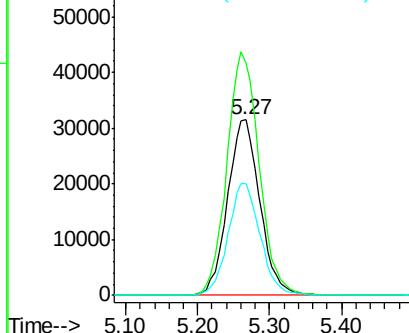


Abundance

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: 55.870 ug/l
RT: 6.16 min Scan# 726
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.1	46.4	69.6
87	25.7	22.1	33.1
59	12.8	9.4	14.0

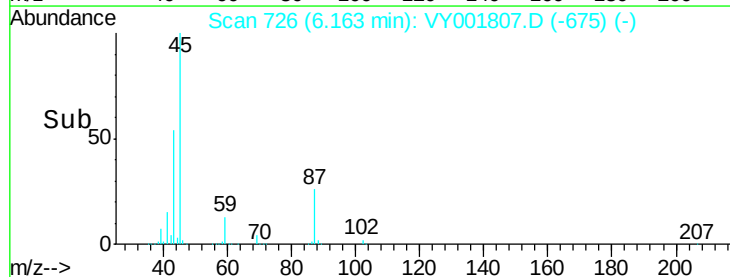
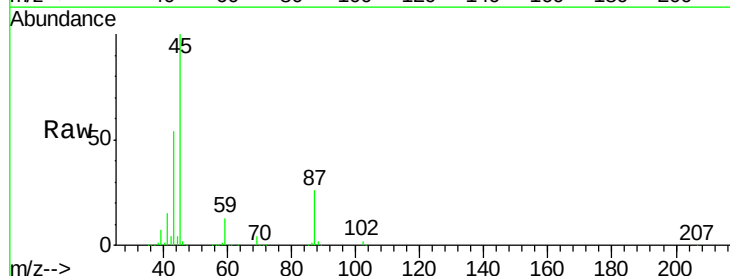
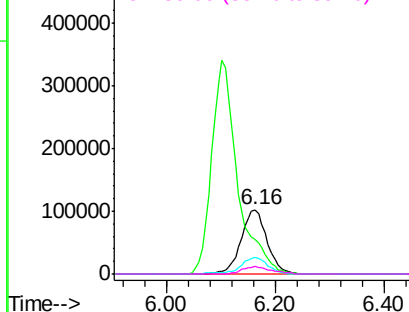
Abundance

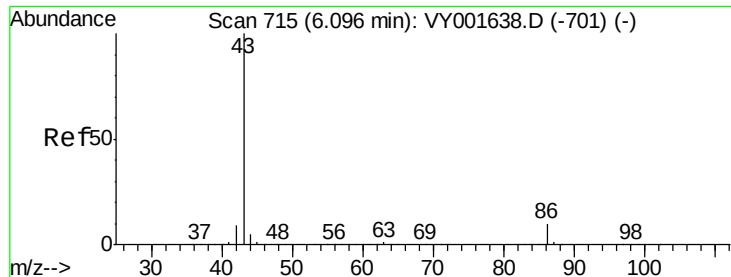
Ion 45.00 (44.70 to 45.70): VY0

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: 283.705 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1123002

Ion Ratio Lower Upper

43 100

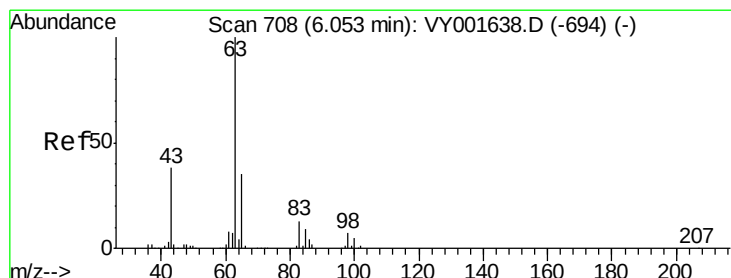
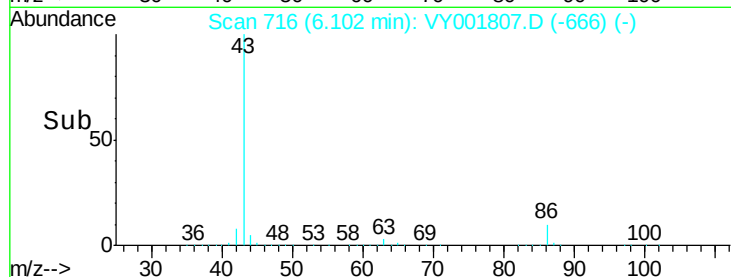
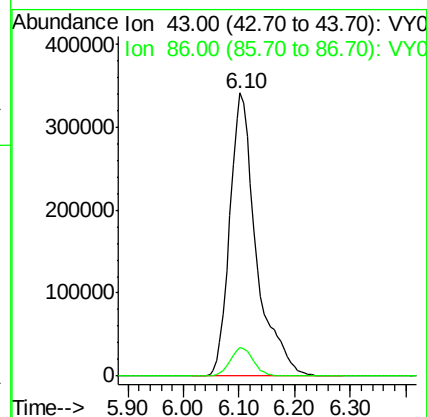
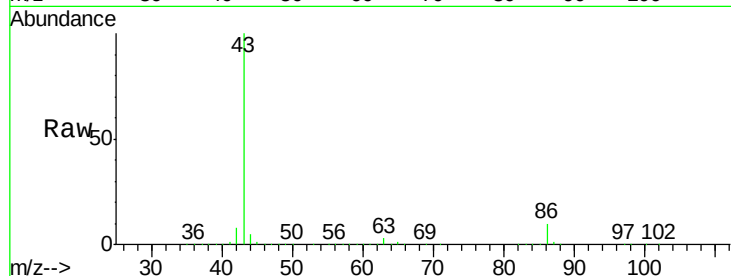
86 10.2 8.8 13.2

Manual Integrations

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MMDadoda

3/2/2020 10:35:58 AM



#24

1,1-Dichloroethane

Concen: 54.497 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

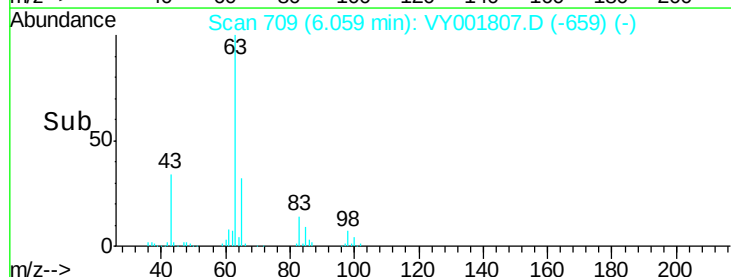
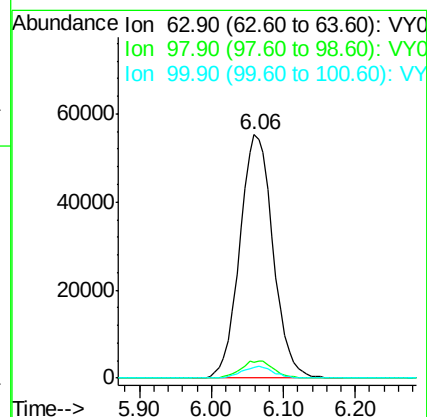
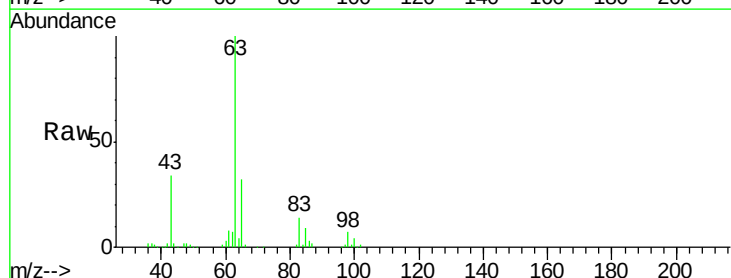
Tgt Ion: 63 Resp: 176754

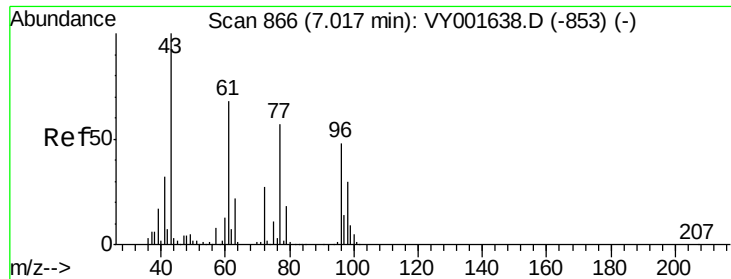
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 259.188 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 200533

Ion Ratio Lower Upper

43 100

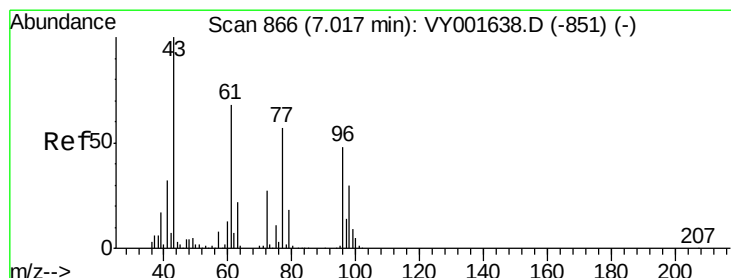
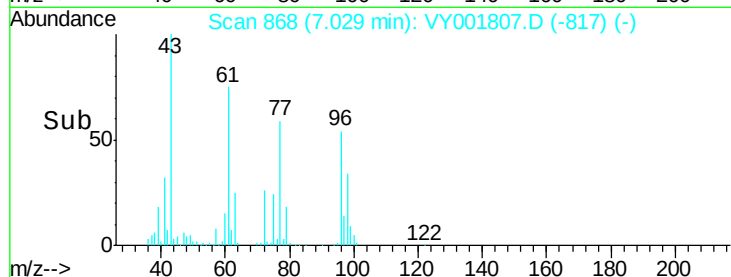
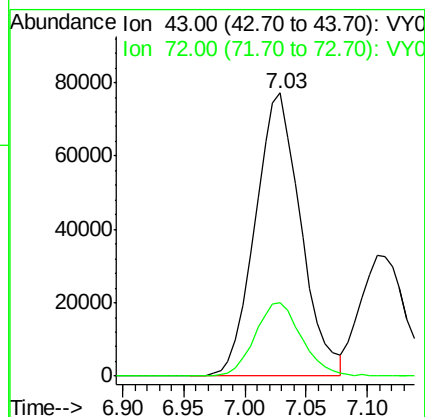
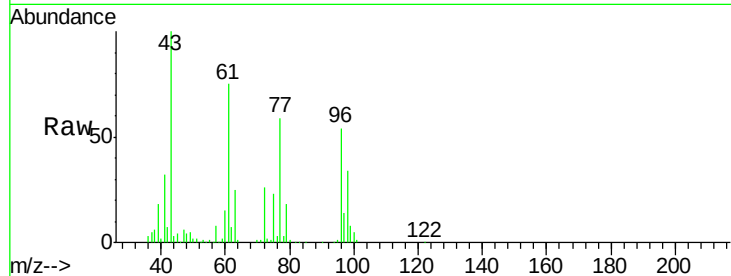
72 26.0 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 51.015 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001807.D

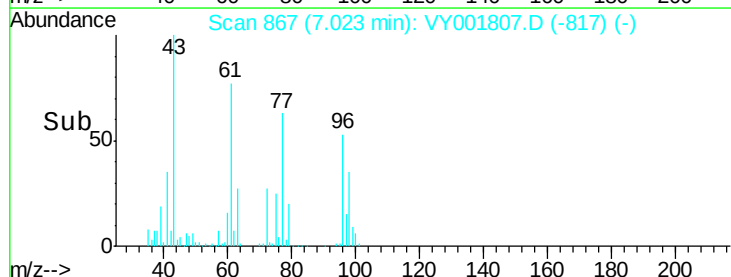
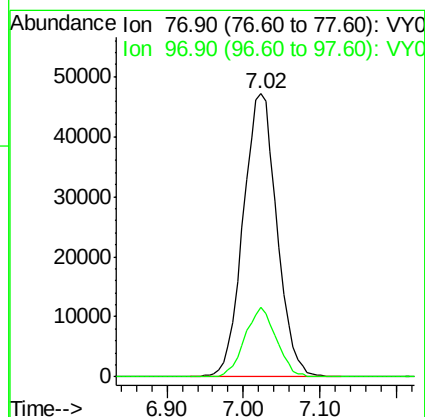
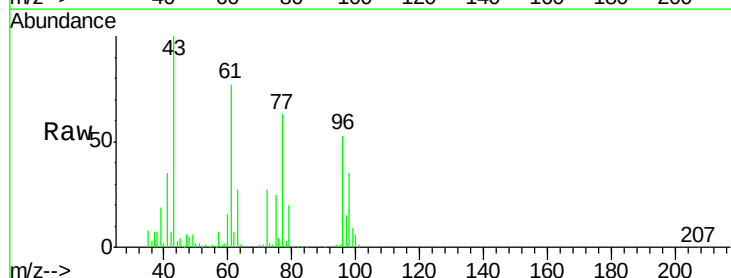
Acq: 28 Feb 2020 18:39

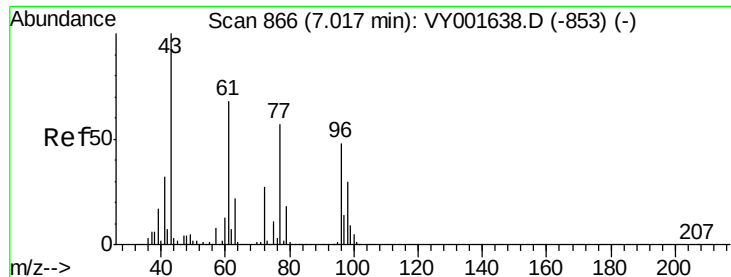
Tgt Ion: 77 Resp: 143955

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4





#27

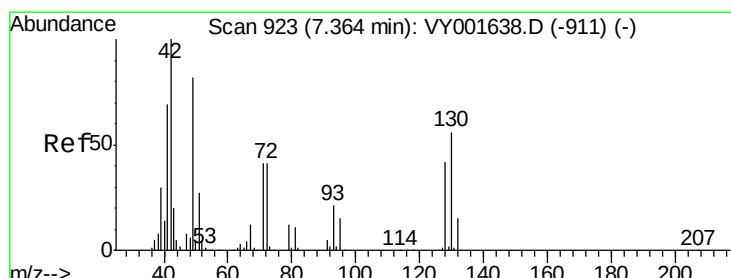
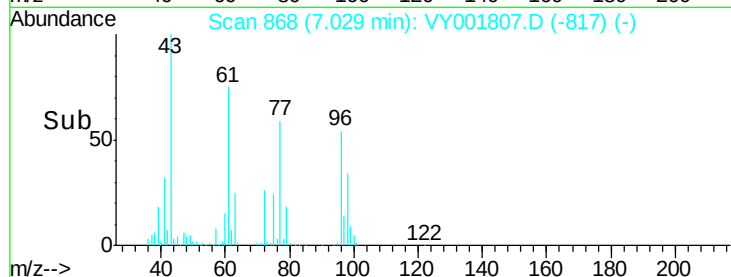
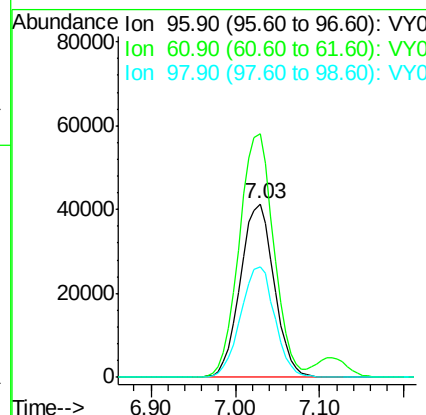
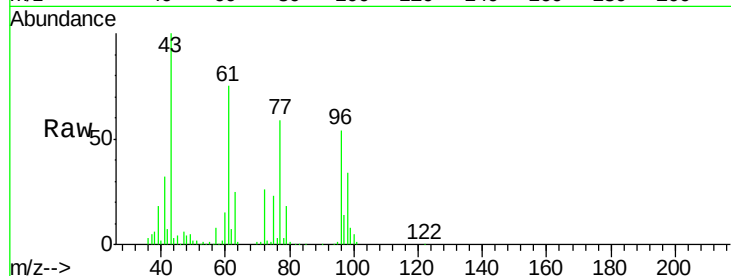
cis-1,2-Dichloroethene
 Concen: 53.711 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	290.8	
98	64.3	0.0	128.6	

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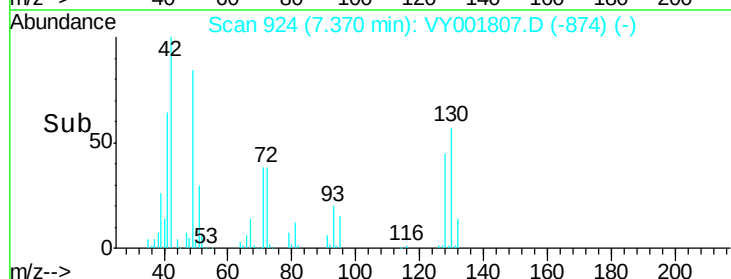
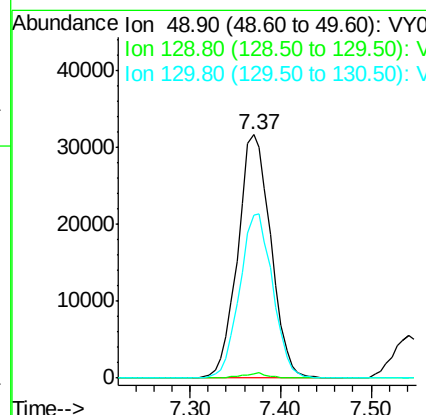
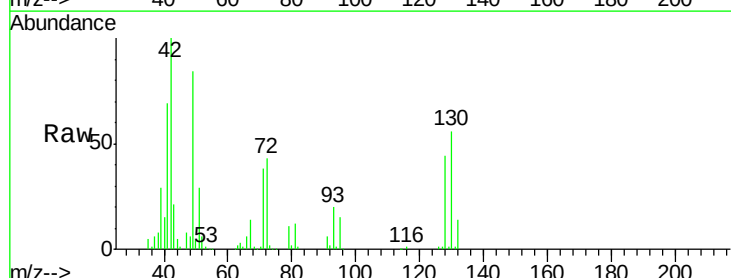
MMDadoda
 3/2/2020 10:35:58 AM

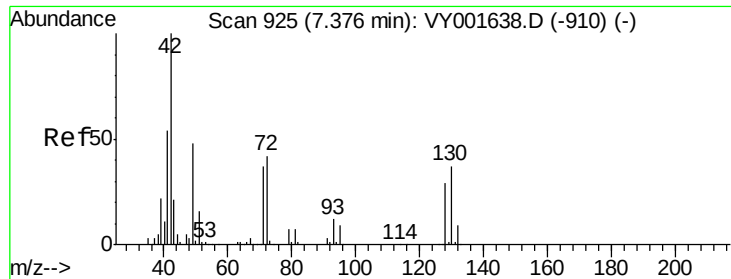


#28

Bromochloromethane
 Concen: 59.289 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	67.4	56.2	84.4	





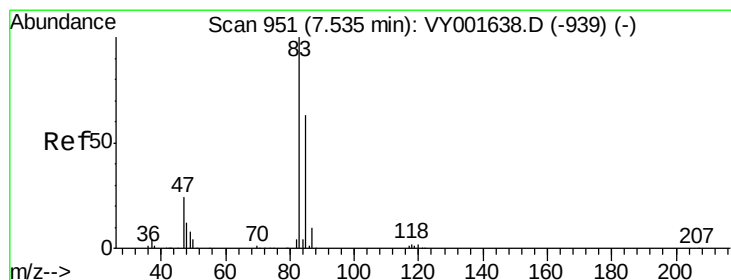
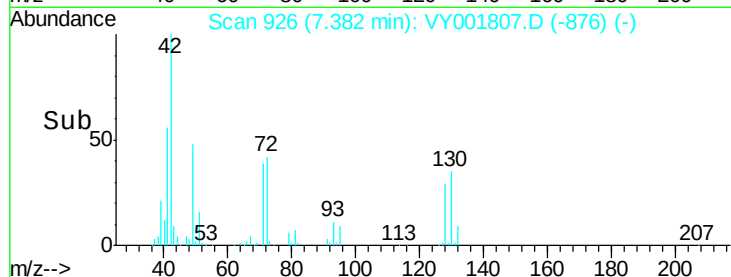
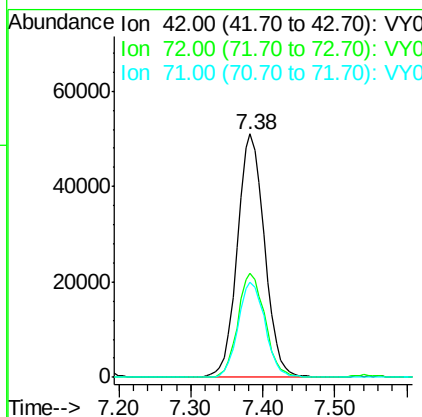
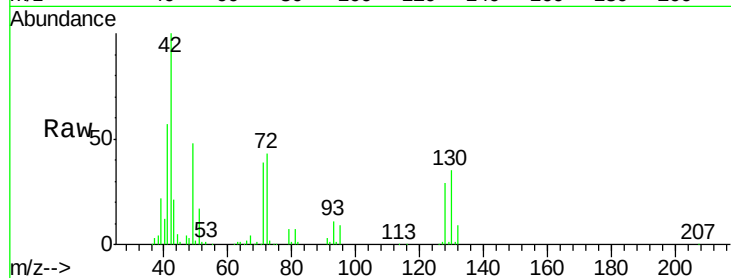
#29
Tetrahydrofuran
Concen: 286.811 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.4	51.6
71	38.7	31.8	47.8

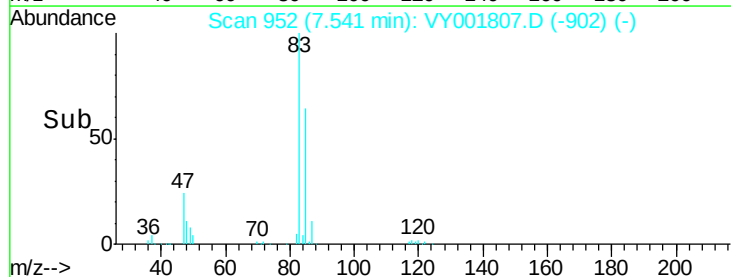
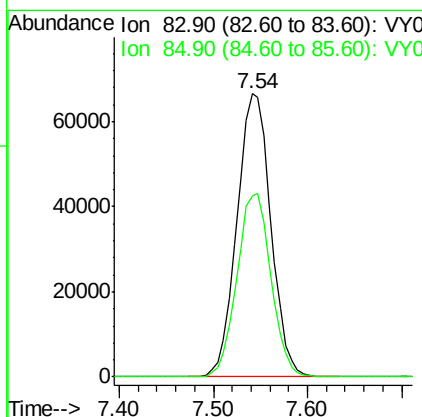
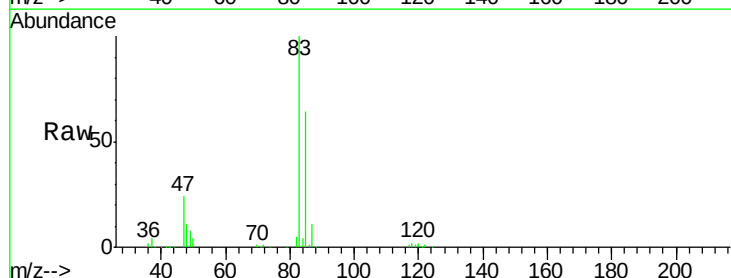
Manual Integrations
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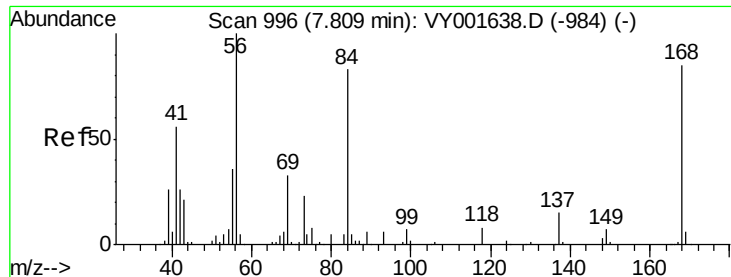
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#30
Chloroform
Concen: 52.736 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4





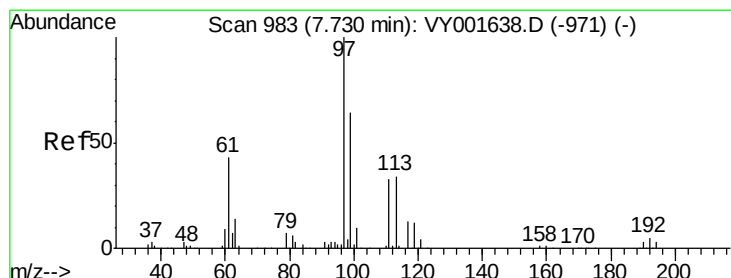
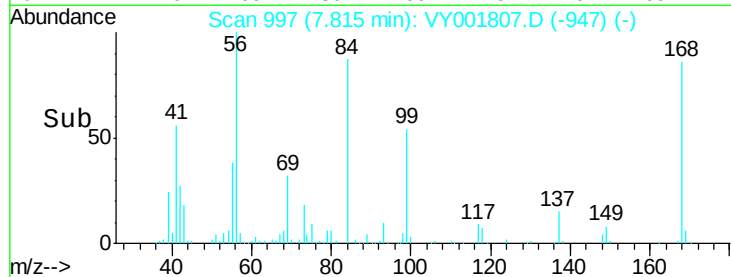
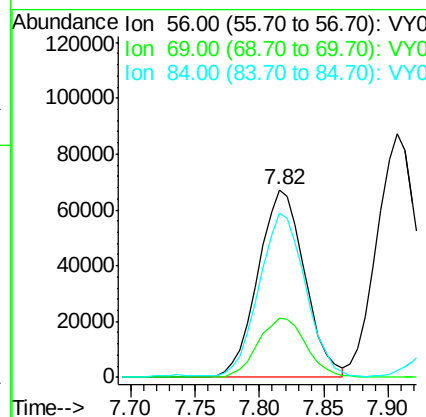
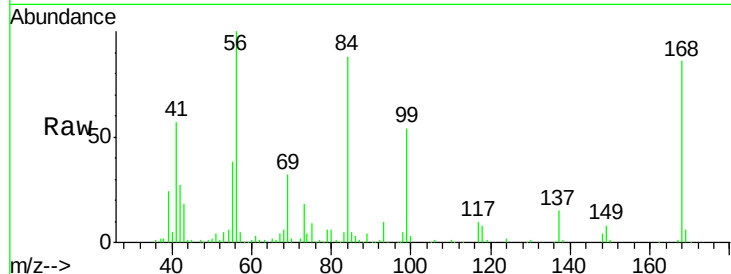
#31
Cyclohexane
Concen: 48.883 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.1	37.7
84	87.0	66.9	100.3

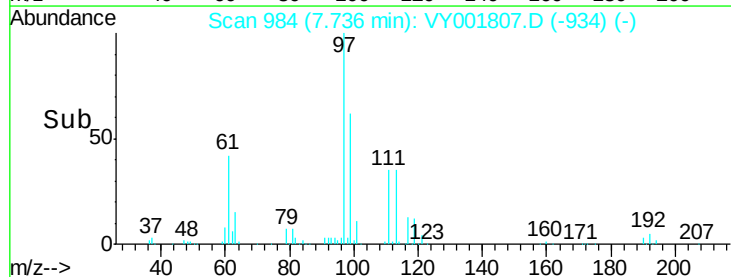
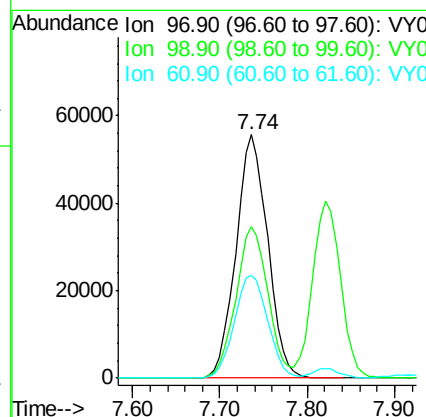
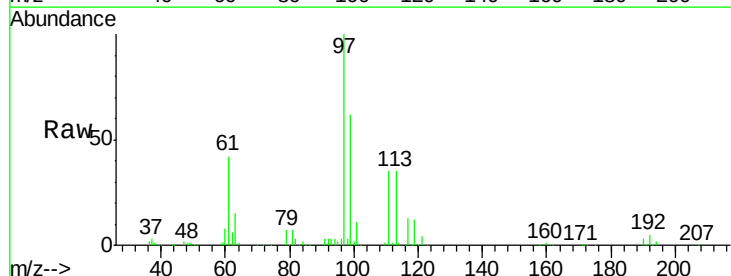
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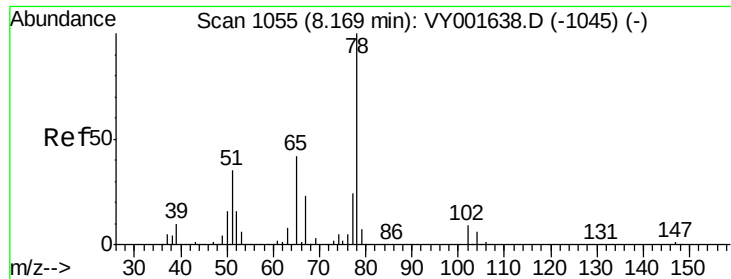
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#32
1,1,1-Trichloroethane
Concen: 52.579 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	44.4	35.0	52.6





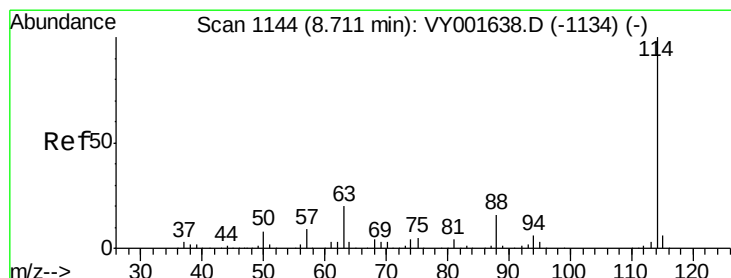
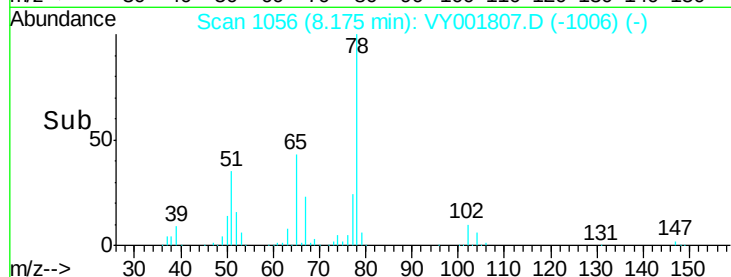
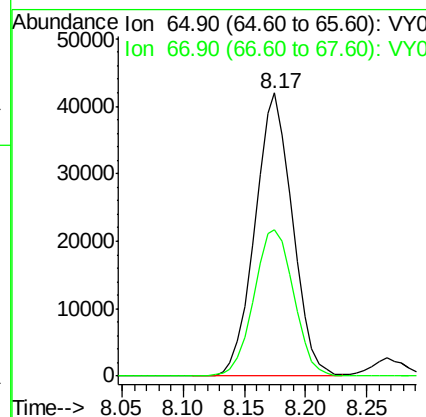
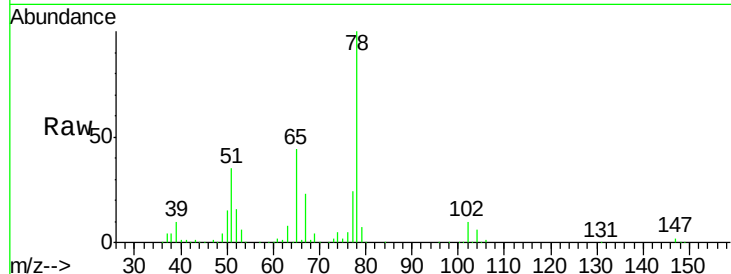
#33
 1,2-Dichloroethane-d4
 Concen: 54.329 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.0	

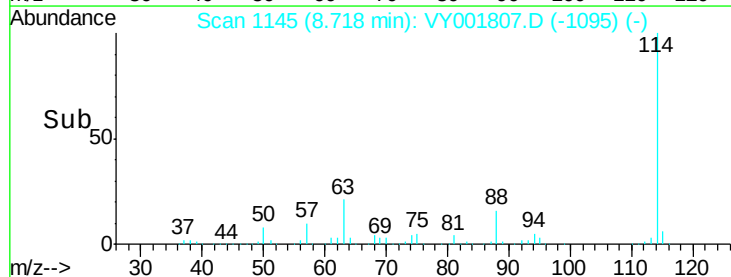
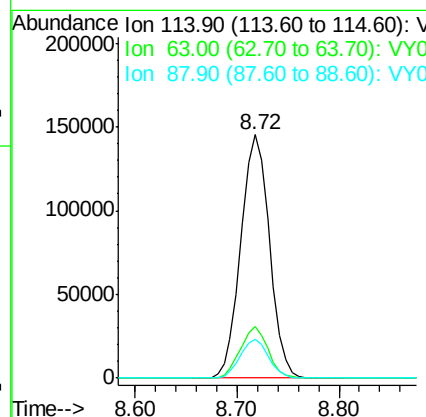
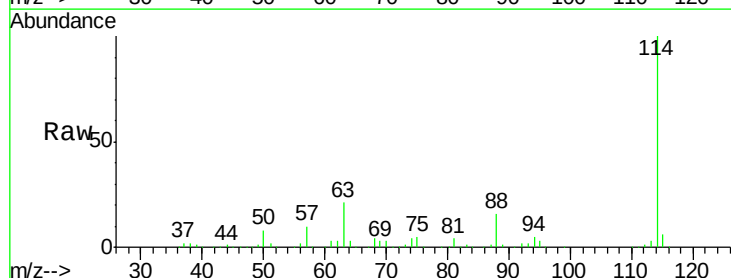
Manual Integrations
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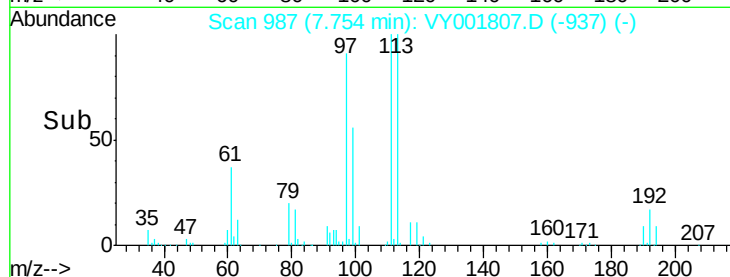
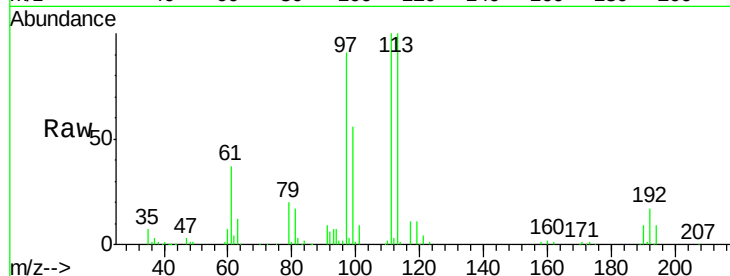
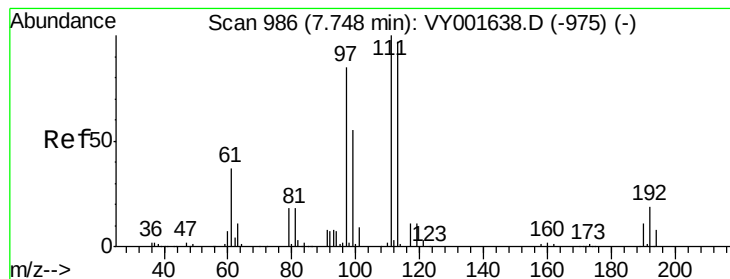
MMDadoda
 3/2/2020 10:35:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	41.4	
88	15.8	0.0	32.8	





#35

Dibromofluoromethane

Concen: 51.135 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001807.D

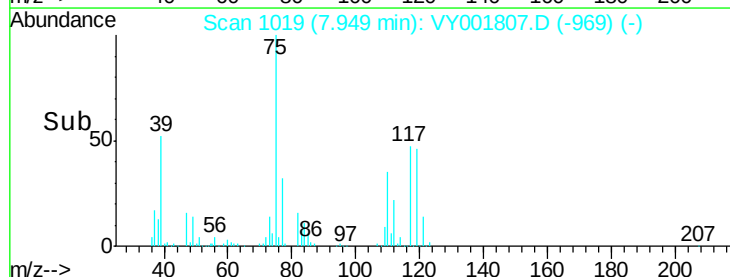
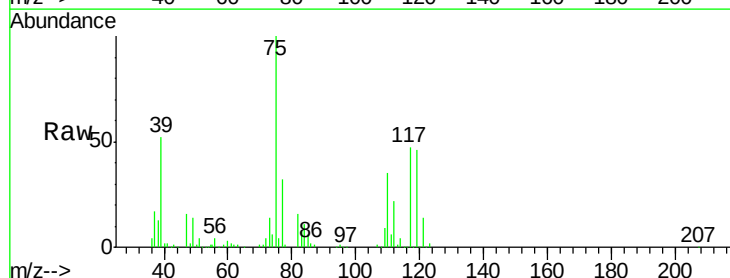
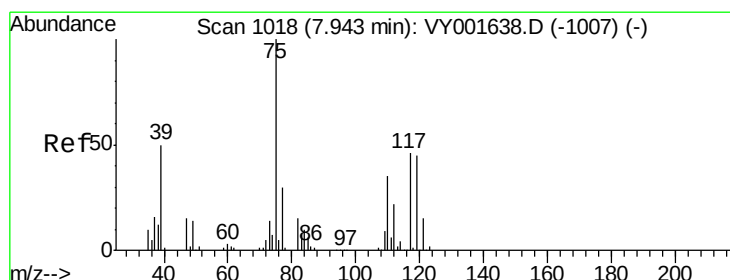
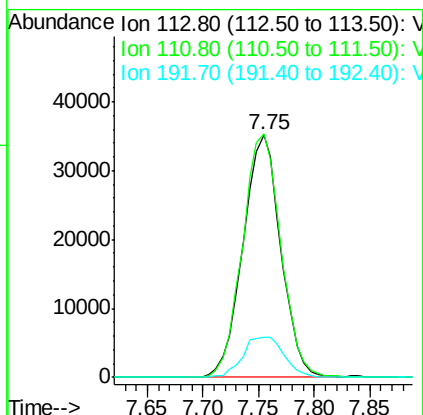
Acq: 28 Feb 2020 18:39

Tot Ion:	113	Resp:	82801
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	18.2	14.3	21.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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3/2/2020 10:35:58 AM



#36

1,1-Dichloropropene

Concen: 50.264 ug/l

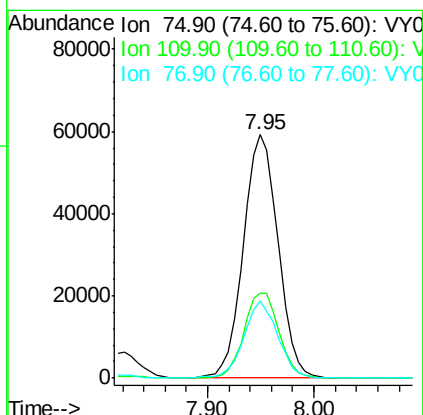
RT: 7.95 min Scan# 1019

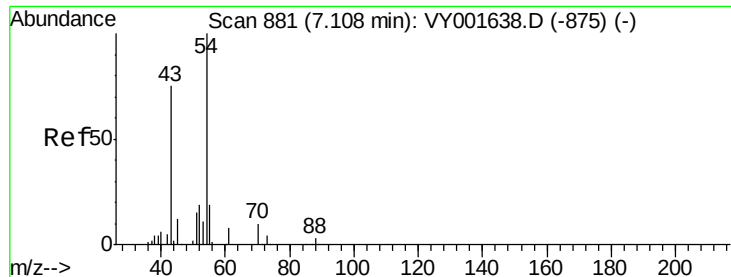
Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	75	Resp:	135738
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	30.9	24.8	37.2





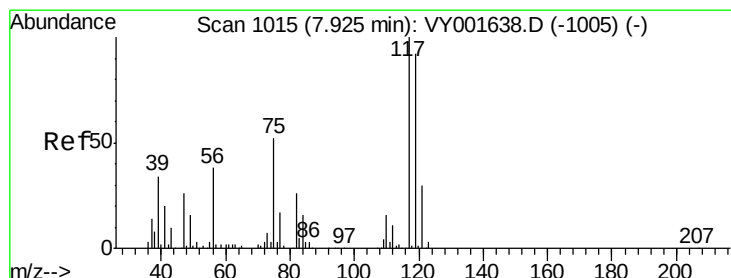
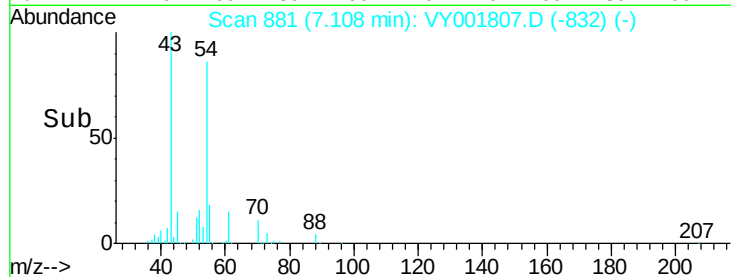
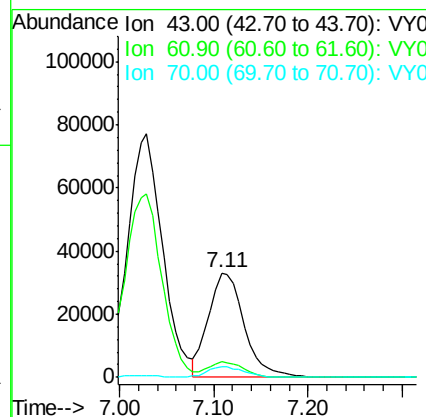
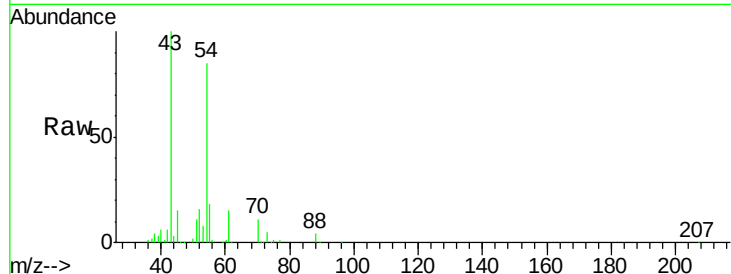
#37
Ethyl Acetate
Concen: 54.097 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.6
70	10.4	8.8	13.2

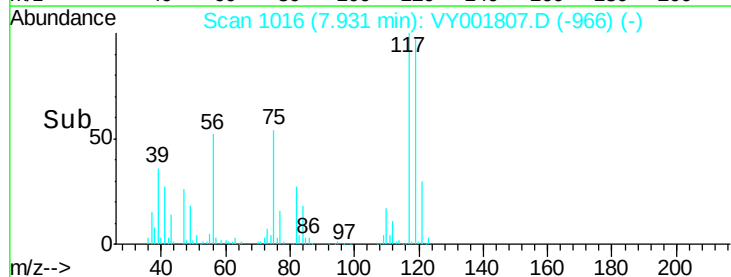
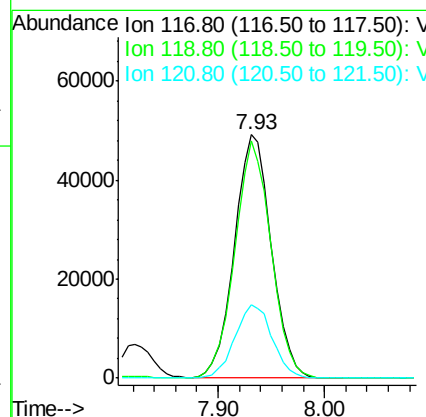
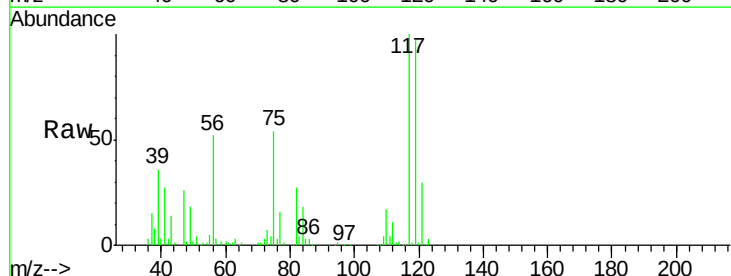
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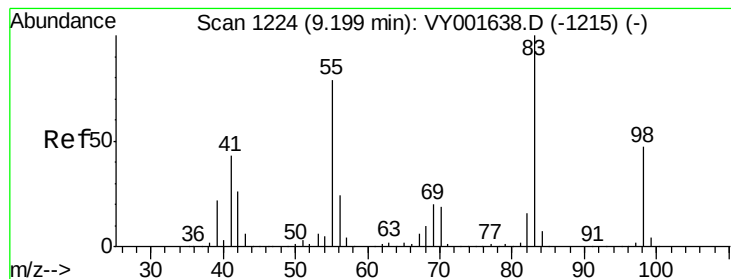
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#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.8	112.2
121	30.2	23.8	35.6





#39

Methylvlcyclohexane

Concen: 48.888 ug/l

RT: 9.21 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

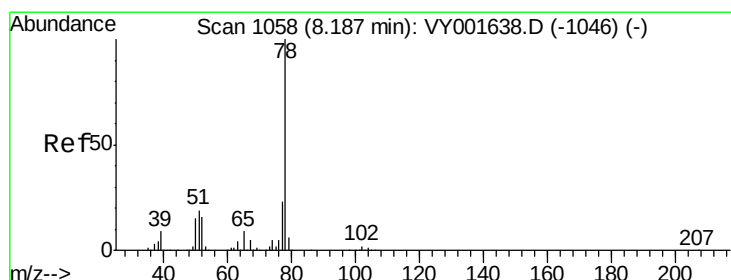
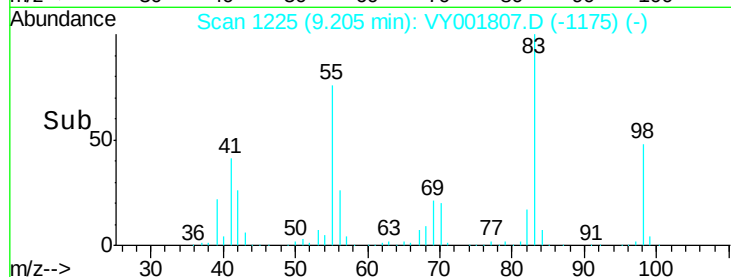
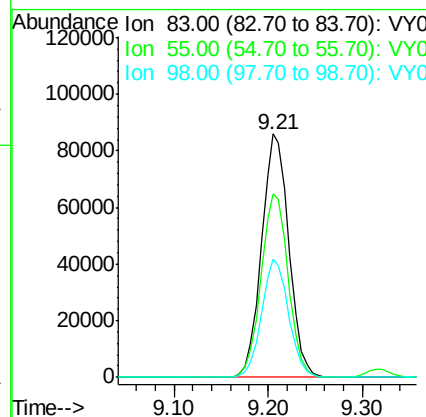
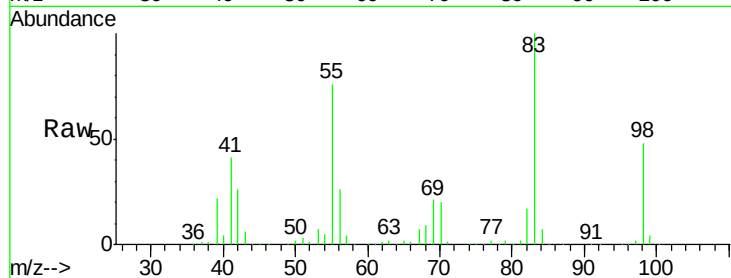
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175149
Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.3	91.9
98	48.5	38.0	57.0

Manual Integrations
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#40

Benzene

Concen: 52.452 ug/l

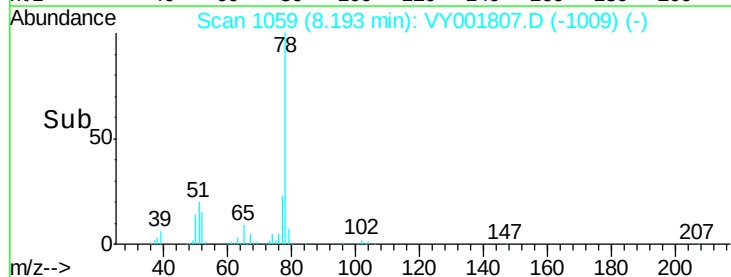
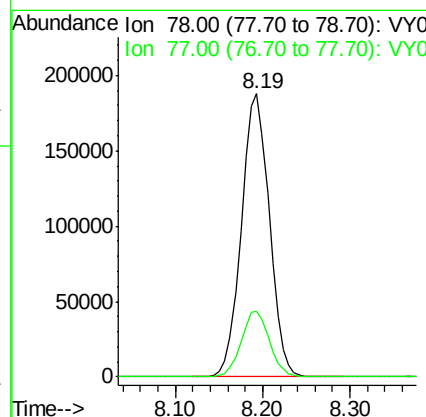
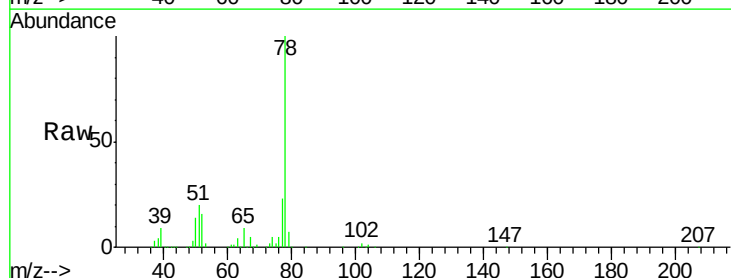
RT: 8.19 min Scan# 1059

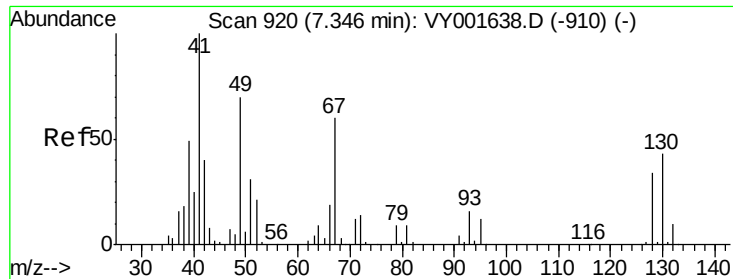
Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	78	Resp:	416590
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





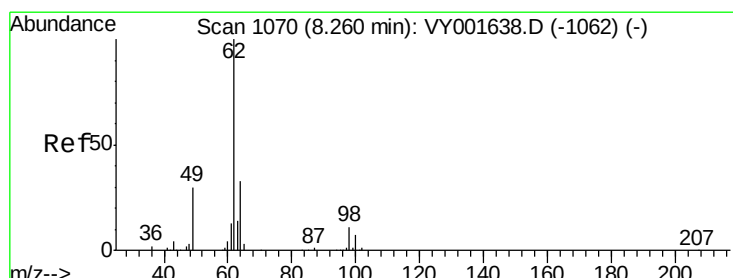
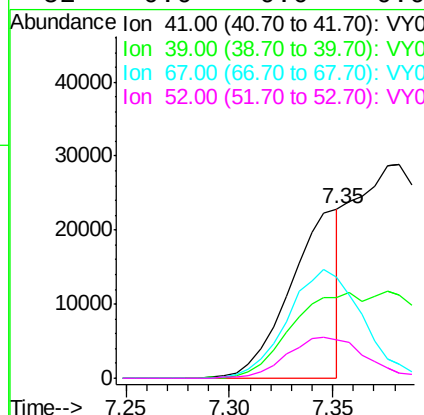
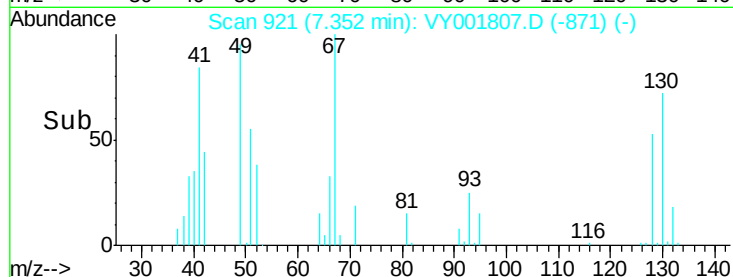
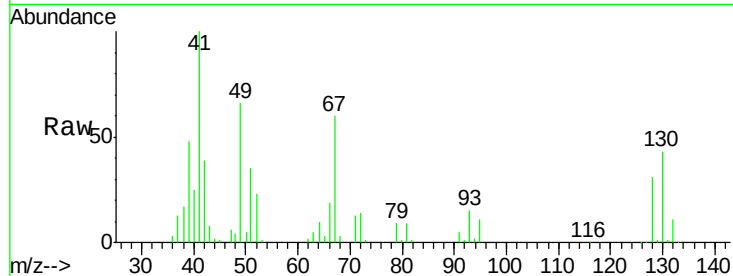
#41
Methacrylonitrile
Concen: 47.735 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp:	38632
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

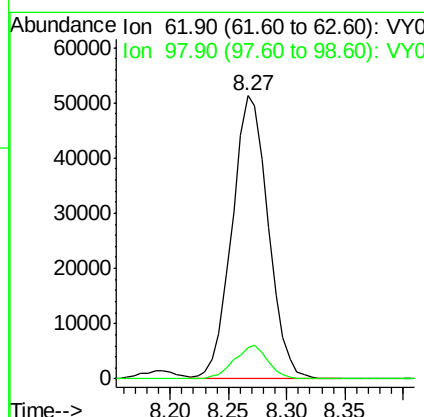
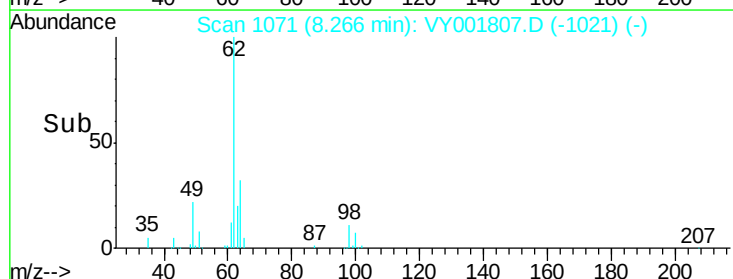
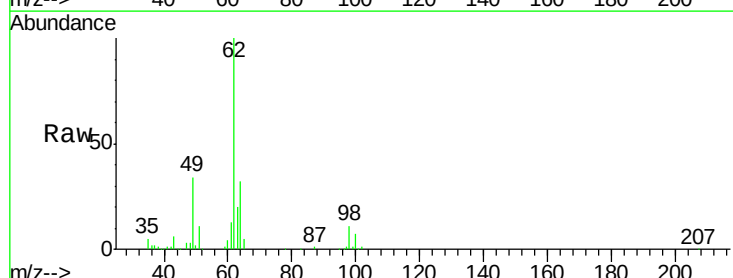
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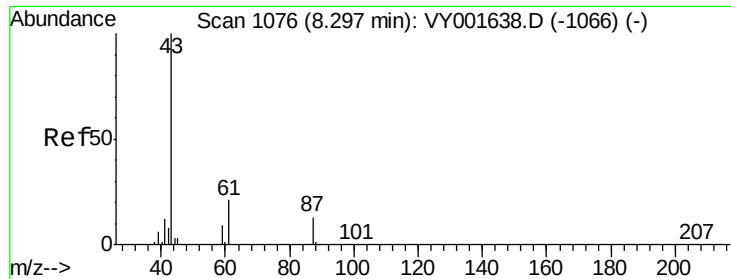
MMDadoda
3/2/2020 10:35:58 AM



#42
1,2-Dichloroethane
Concen: 51.331 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	62	Resp:	111067
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	20.8





#43

Isopropyl Acetate

Concen: 55.324 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

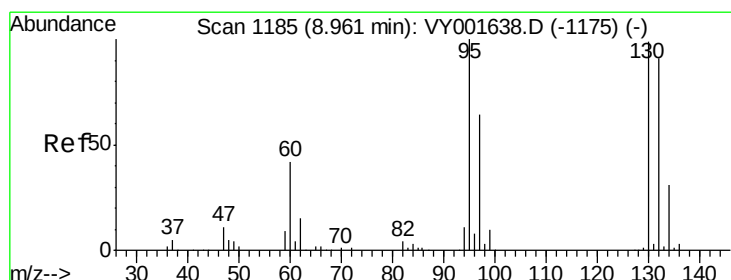
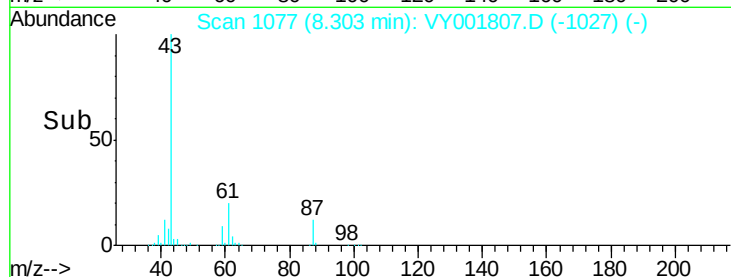
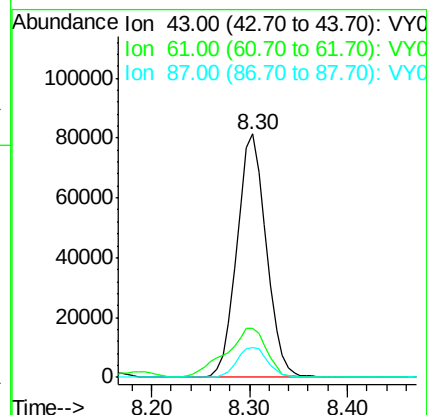
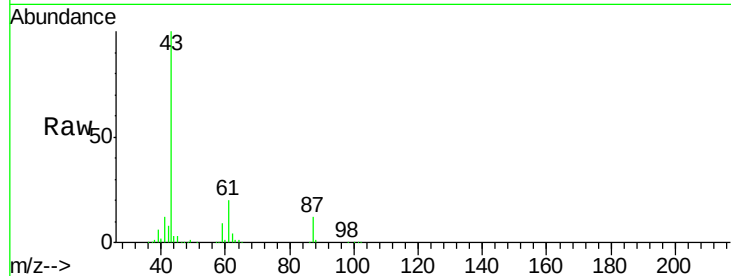
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	169189
Ion	Ratio	Lower	Upper
43	100		
61	28.0	23.0	34.4
87	13.1	10.7	16.1

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#44

Trichloroethene

Concen: 50.617 ug/l

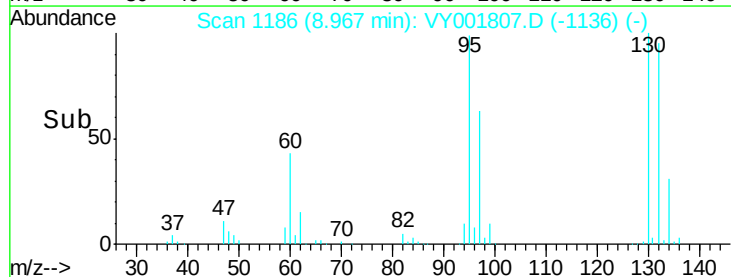
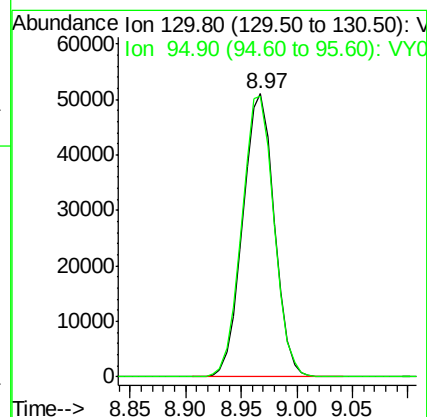
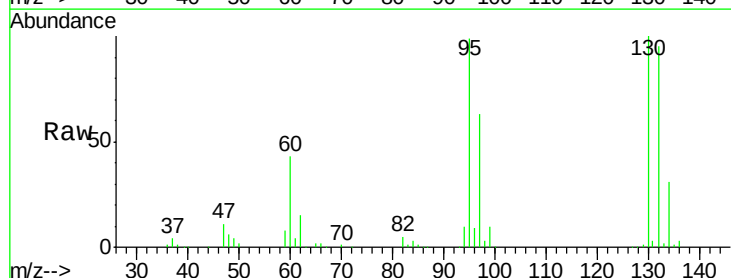
RT: 8.97 min Scan# 1186

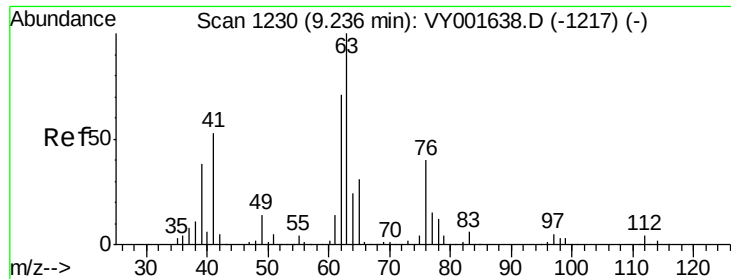
Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	130	Resp:	100356
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	200.6





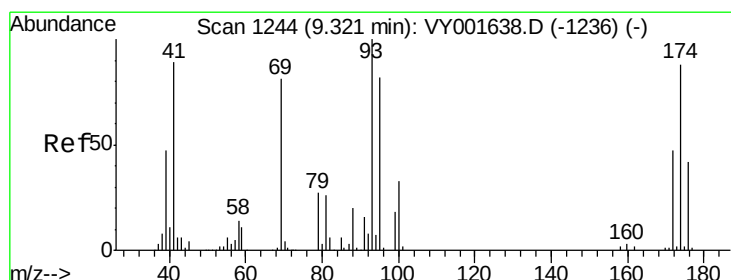
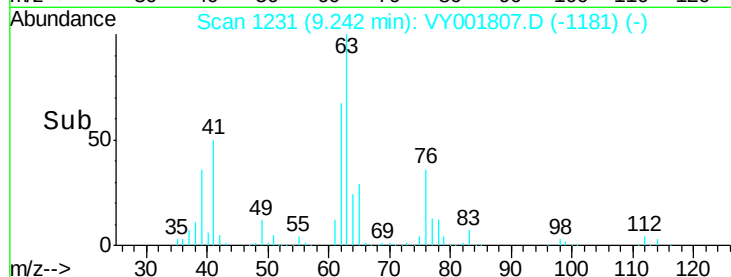
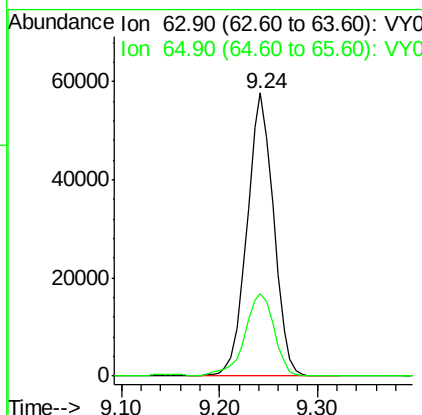
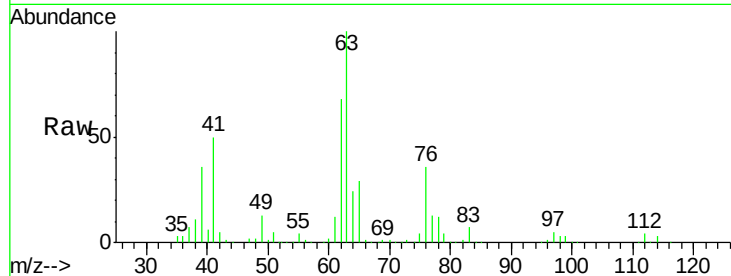
#45
 1,2-Dichloropropane
 Concen: 54.798 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 108997
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.6 37.0

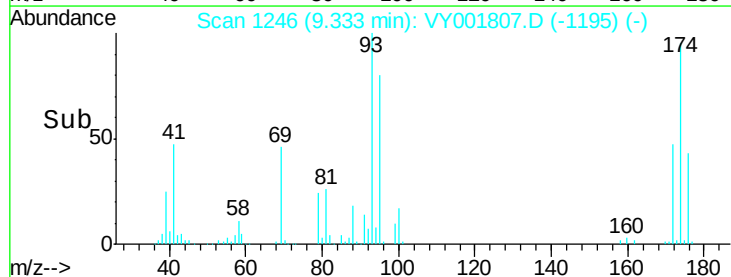
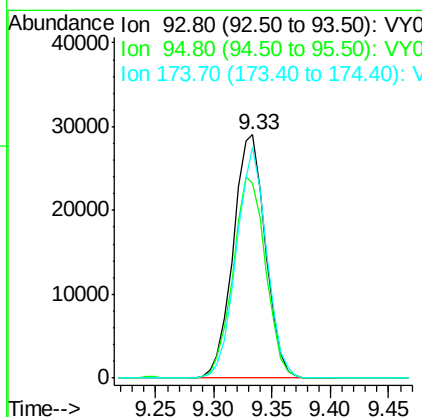
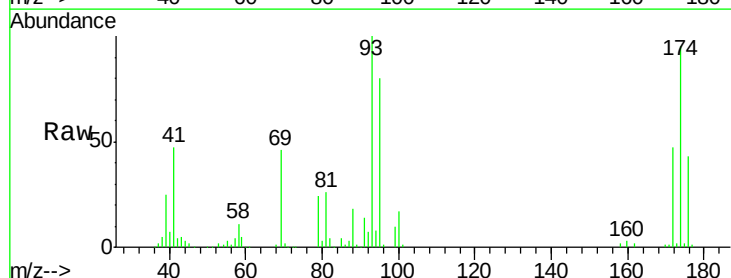
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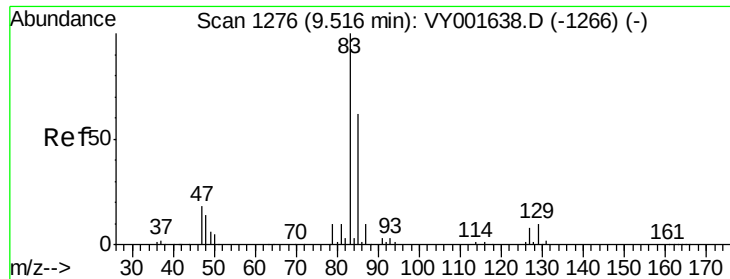
MMDadoda
 3/2/2020 10:35:58 AM



#46
 Dibromomethane
 Concen: 53.981 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion: 93 Resp: 56160
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 89.1 72.5 108.7





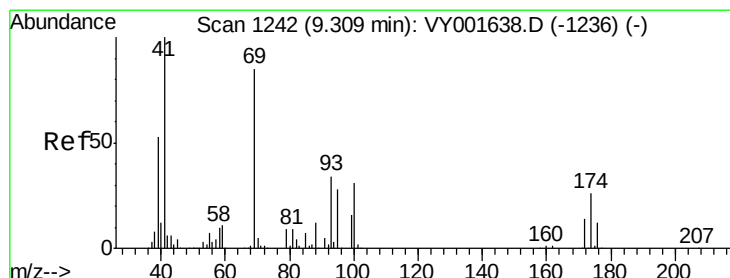
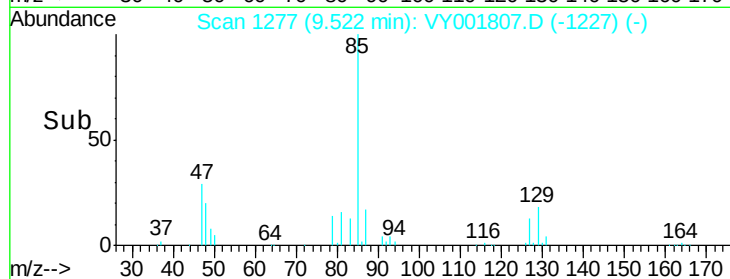
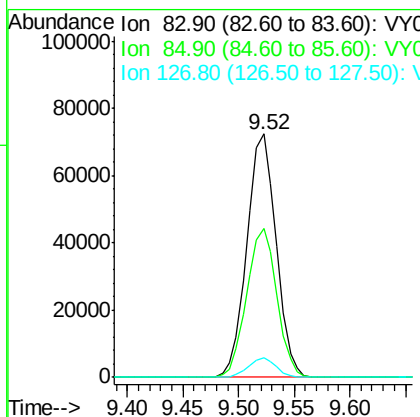
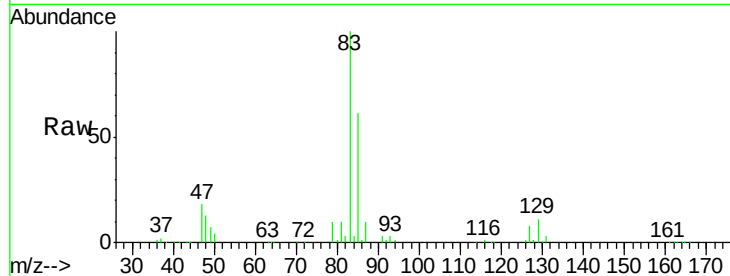
#47
Bromodichloromethane
Concen: 52.985 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	133040
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	51.4	77.0
127	8.1	6.4	9.6

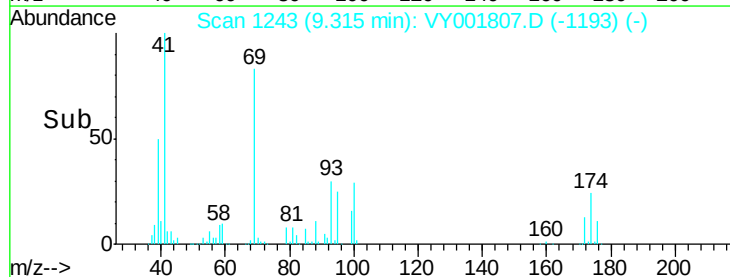
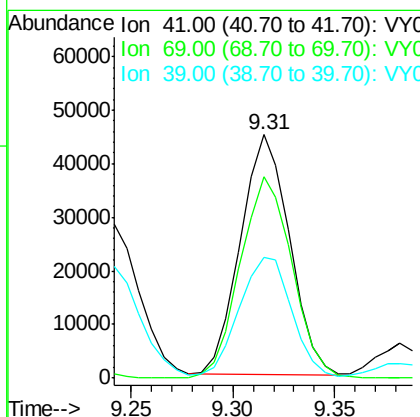
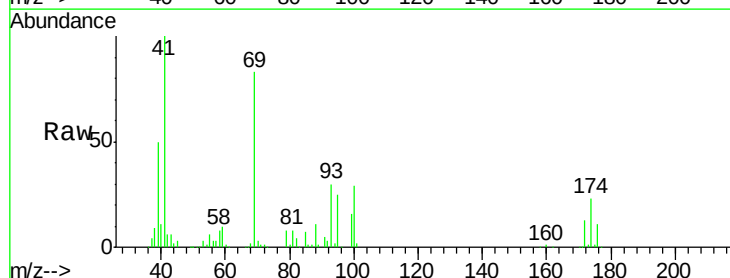
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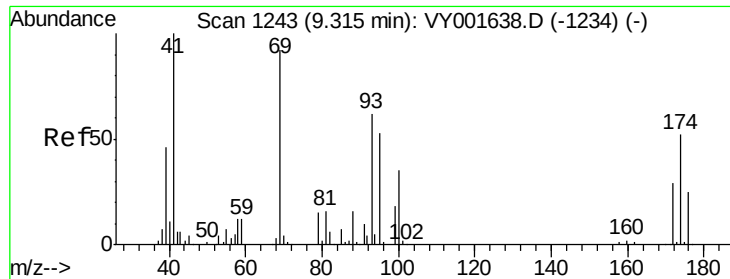
MMDadoda
3/2/2020 10:35:58 AM



#48
Methyl methacrylate
Concen: 54.272 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	41	Resp	75063
Ion Ratio	100	Lower	Upper
41	100		
69	88.6	70.7	106.1
39	52.3	42.2	63.2





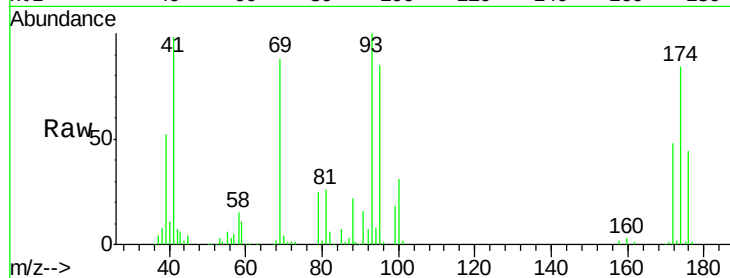
#49
1,4-Dioxane
Concen: 1105.894 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.1	34.7
58	69.7	58.1	87.1

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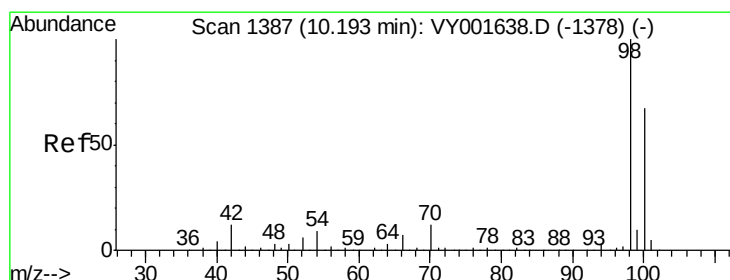
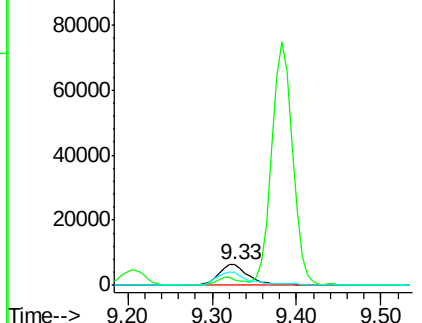
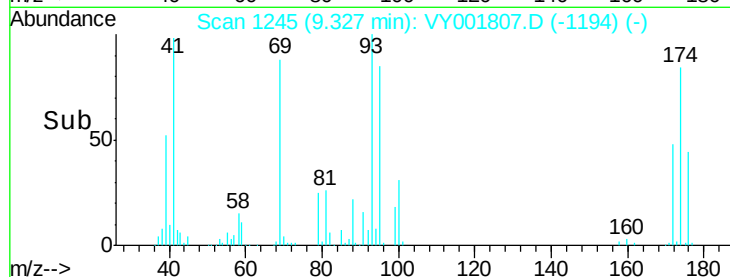


Abundance

Ion 88.00 (87.70 to 88.70): VY001807.D (-1194) (-)

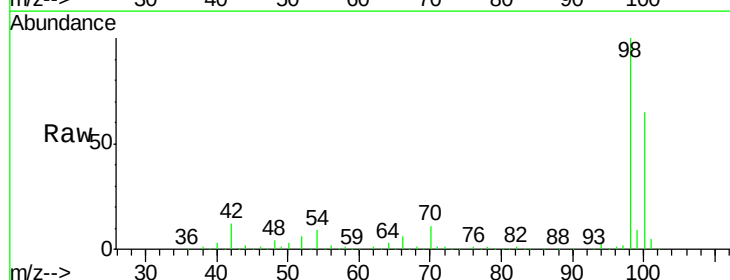
Ion 43.00 (42.70 to 43.70): VY001807.D (-1194) (-)

Ion 58.00 (57.70 to 58.70): VY001807.D (-1194) (-)



#50
Toluene-d8
Concen: 54.000 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

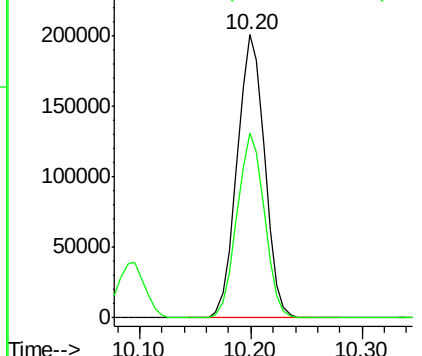
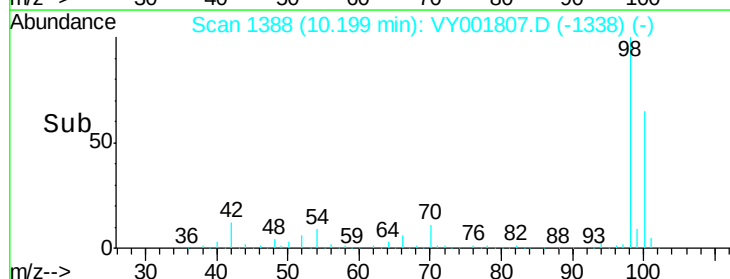
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.0	79.4

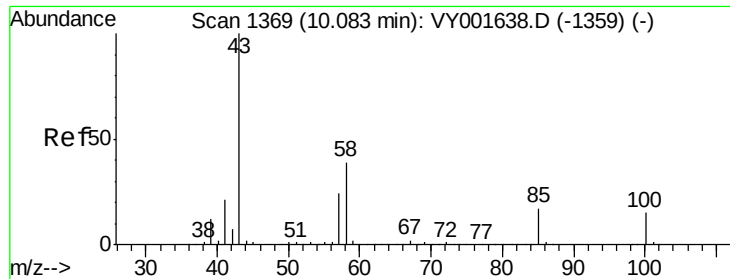


Abundance

Ion 98.00 (97.70 to 98.70): VY001807.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY001807.D (-1338) (-)





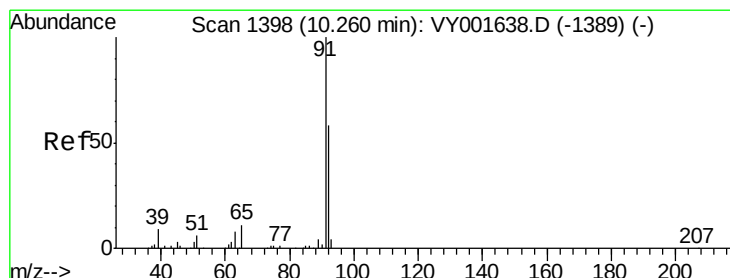
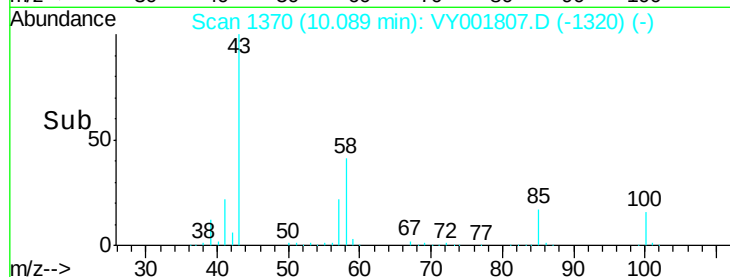
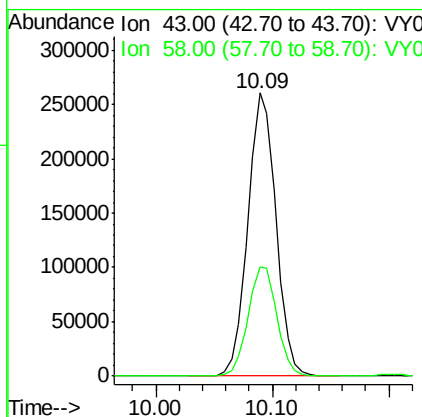
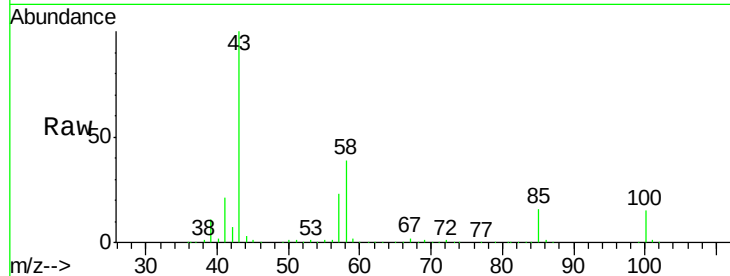
#51
4-Methyl-2-Pentanone
Concen: 279.259 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	32.2	48.4

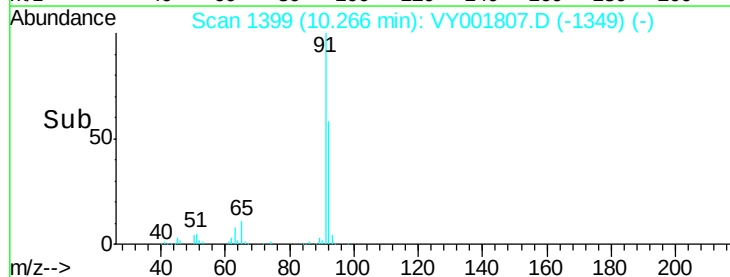
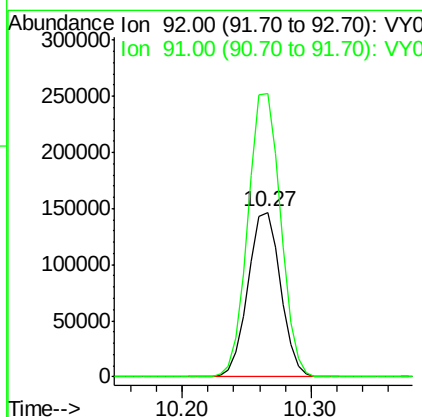
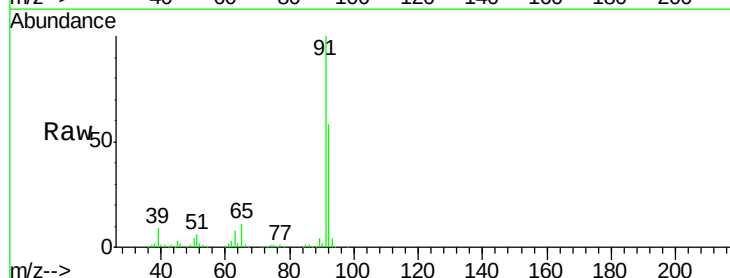
Manual Integrations
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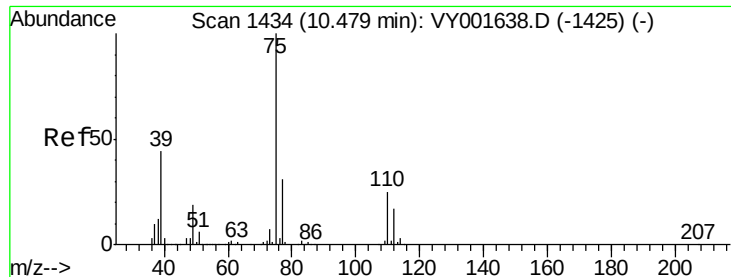
MMDadoda
3/2/2020 10:35:58 AM



#52
Toluene
Concen: 51.487 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.0	205.6





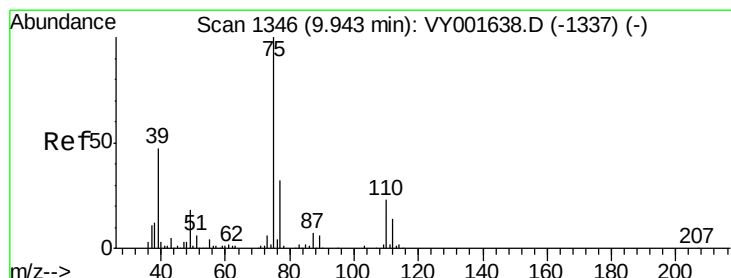
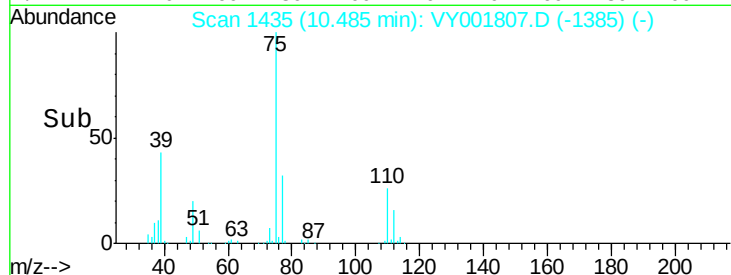
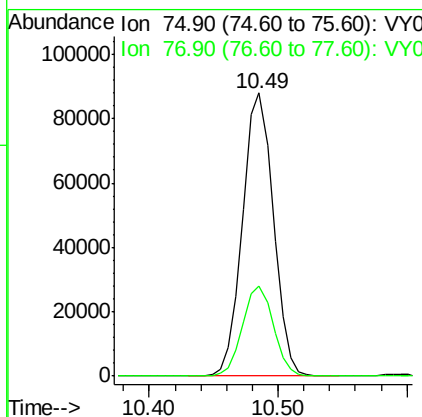
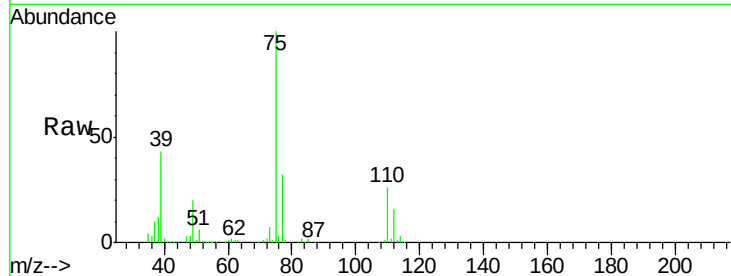
#53
t-1,3-Dichloropropene
Concen: 52.437 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 145553
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

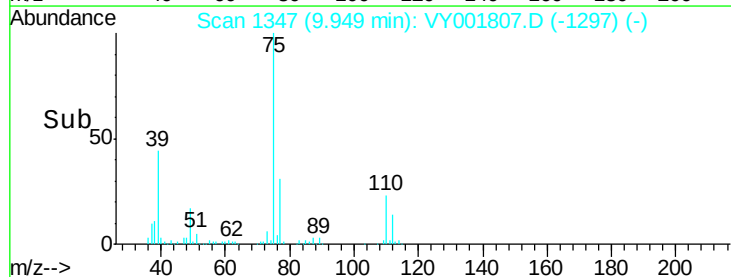
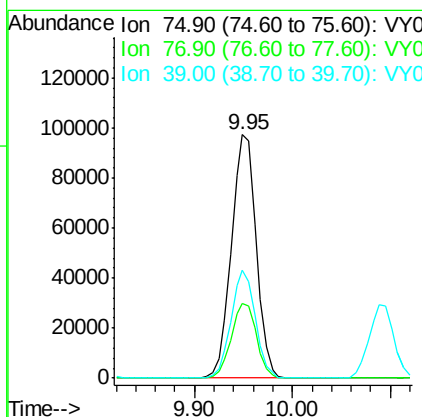
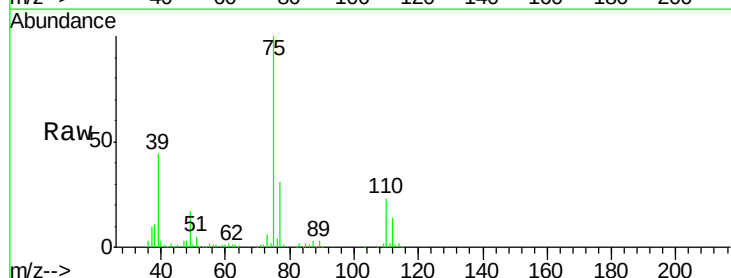
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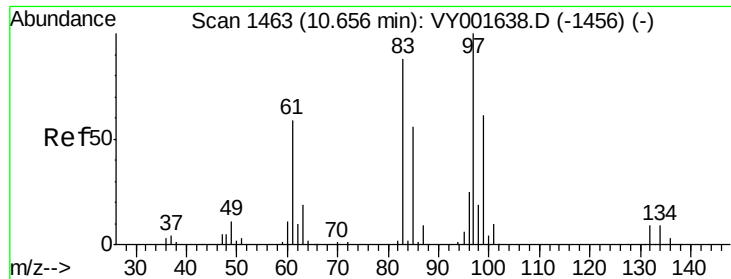
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.500 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion: 75 Resp: 170919
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5
39 44.3 35.7 53.5





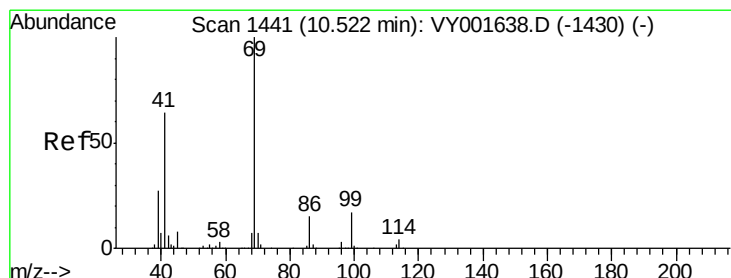
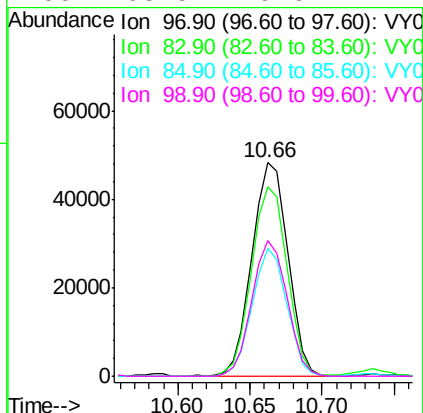
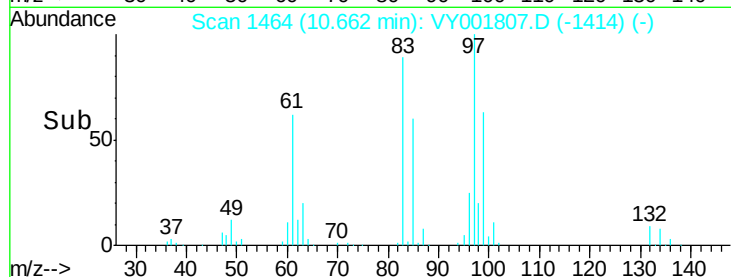
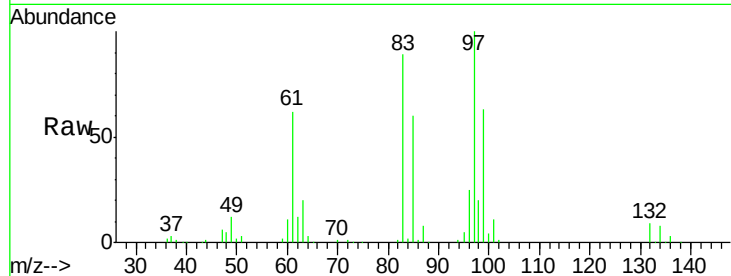
#55
 1,1,2-Trichloroethane
 Concen: 54.350 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	83376
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	59.9	44.5	66.7
99	63.5	49.6	74.4

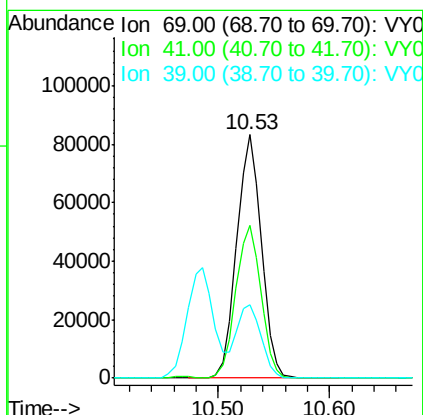
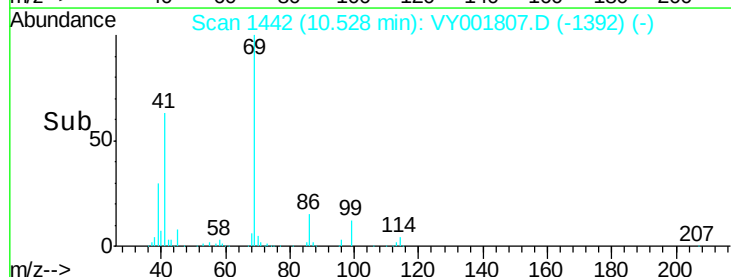
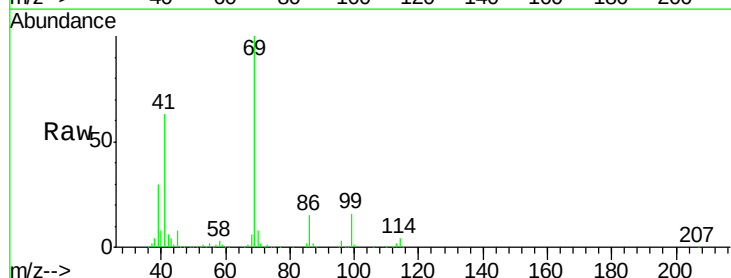
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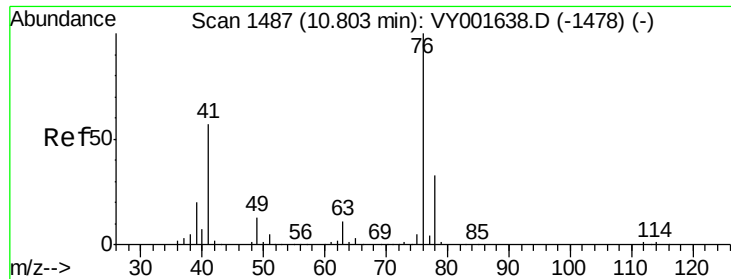
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#56
 Ethyl methacrylate
 Concen: 55.525 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion:	69	Resp:	127782
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.0	76.4
39	31.6	24.7	37.1





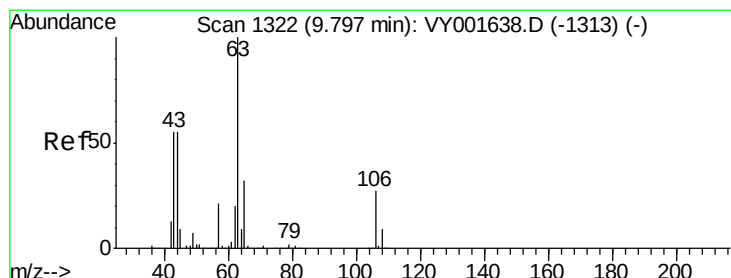
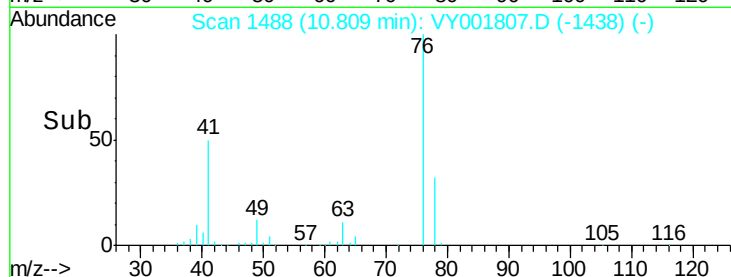
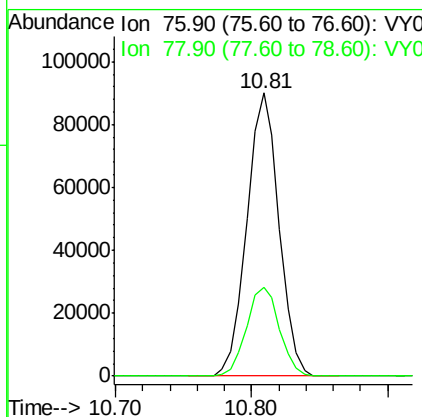
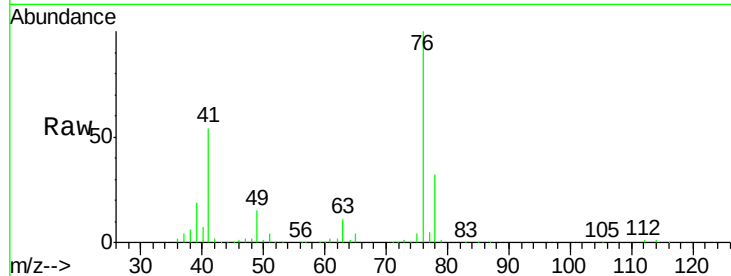
#57
 1,3-Dichloropropane
 Concen: 54.518 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

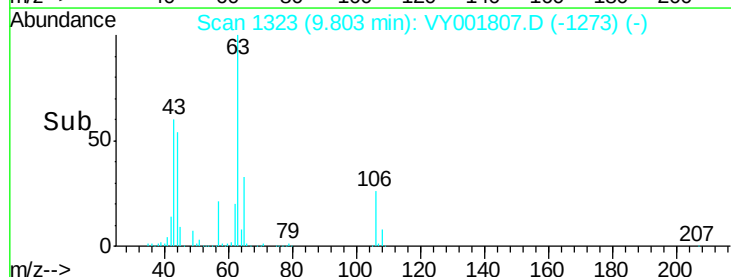
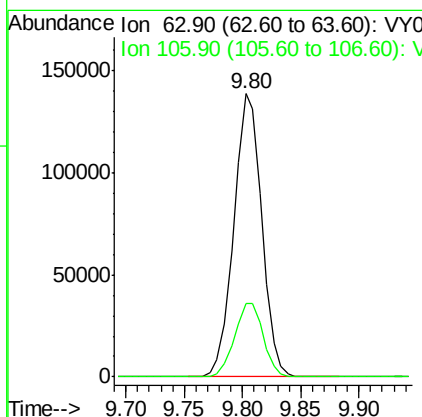
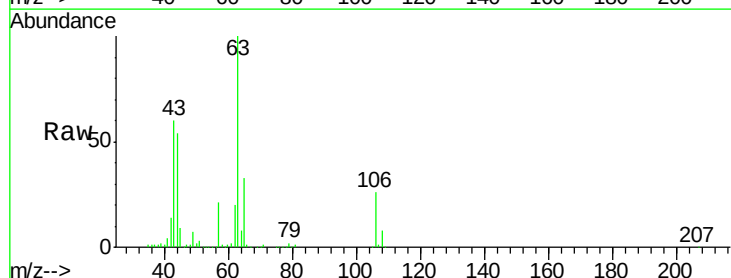
Manual Integrations
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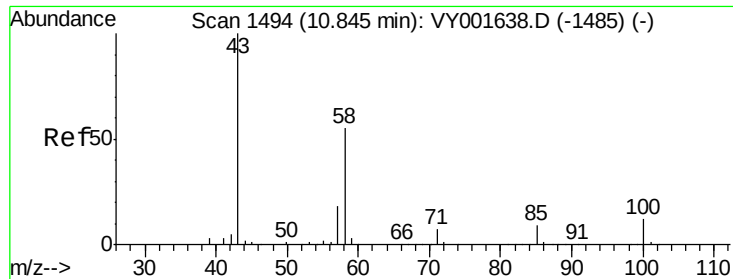
MMDadoda
 3/2/2020 10:35:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.240 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





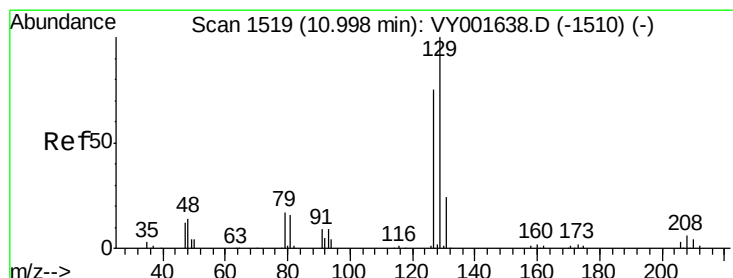
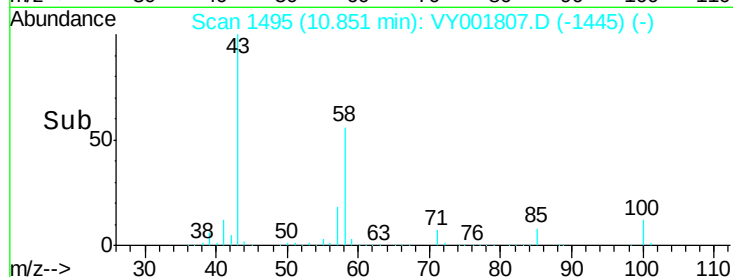
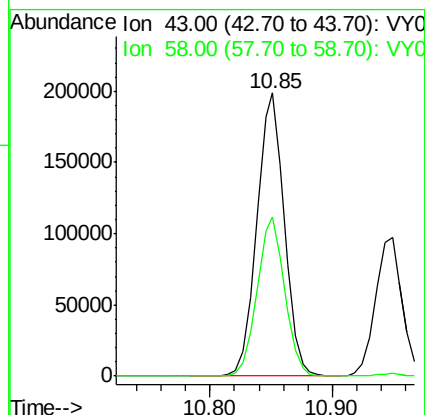
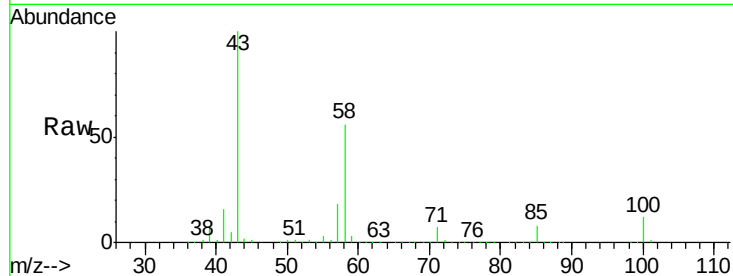
#59
2-Hexanone
Concen: 263.565 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 310726
Ion Ratio Lower Upper
43 100
58 56.1 28.4 85.2

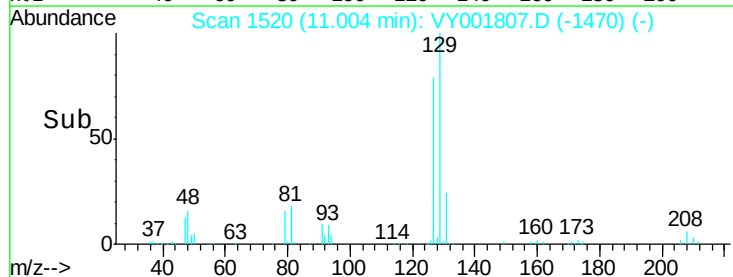
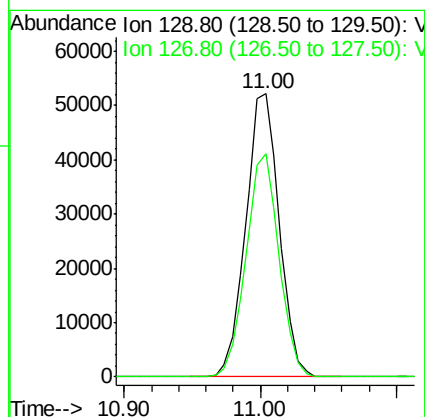
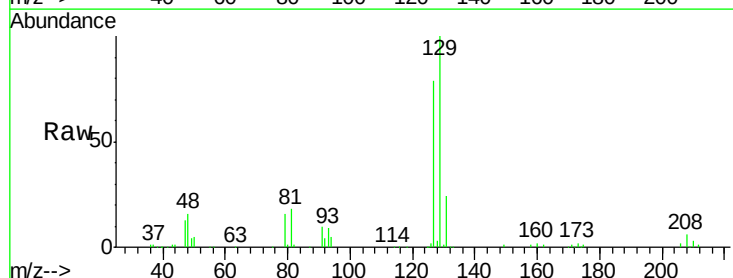
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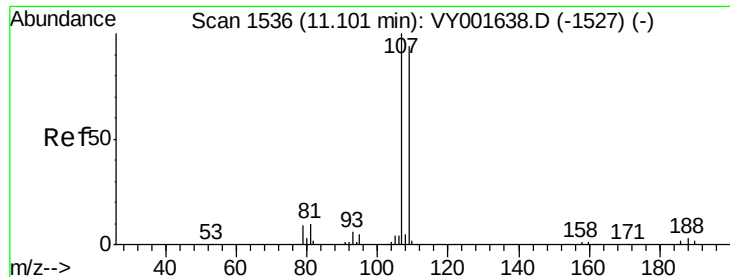
MMDadoda
3/2/2020 10:35:58 AM



#60
Dibromochloromethane
Concen: 53.136 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion: 129 Resp: 89869
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 54.702 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 79345

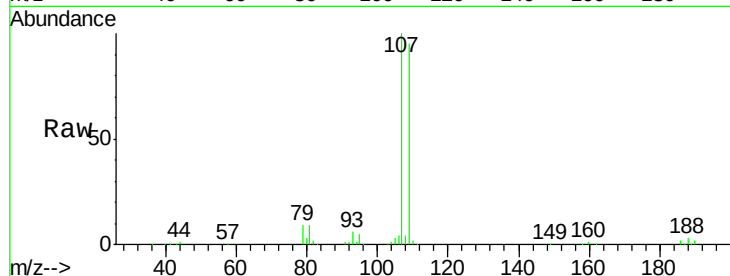
Ion Ratio Lower Upper

107 100

109 94.4 74.2 111.4

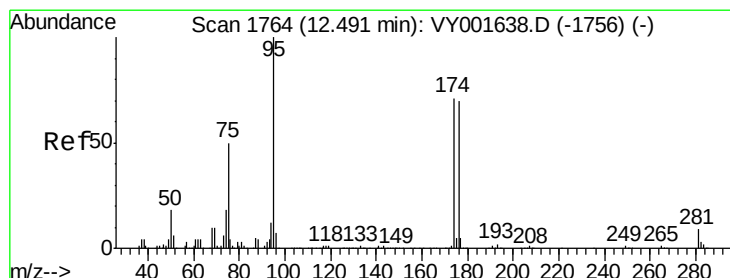
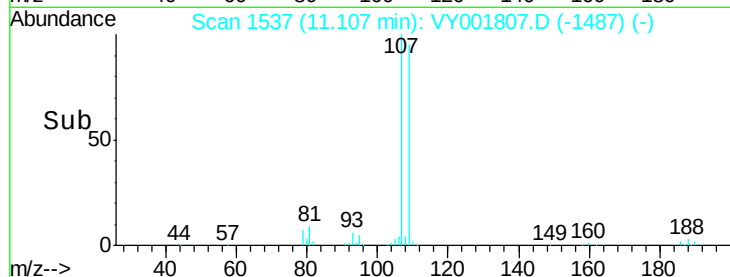
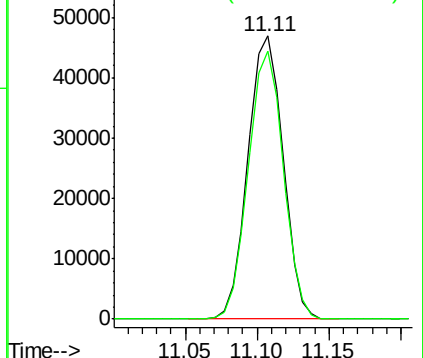
Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.201 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

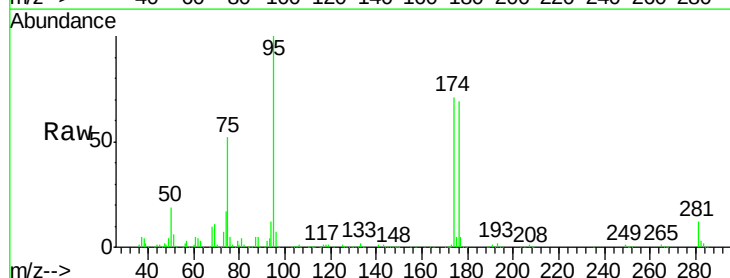
Tgt Ion: 95 Resp: 121256

Ion Ratio Lower Upper

95 100

174 73.0 0.0 138.4

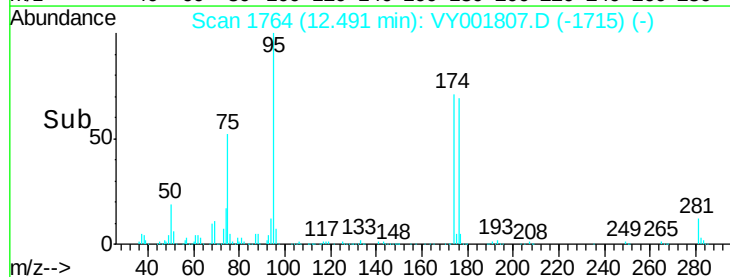
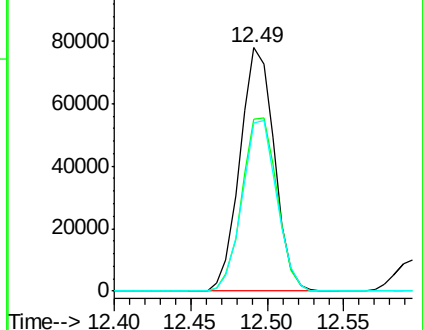
176 70.9 0.0 131.8

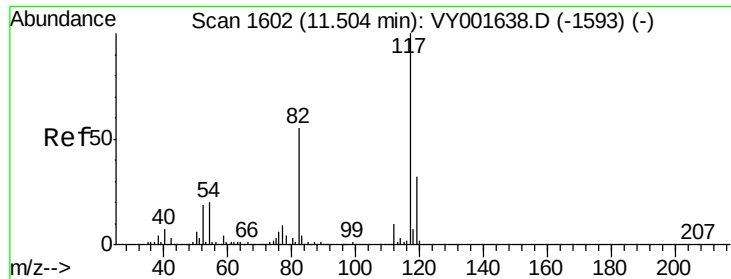


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





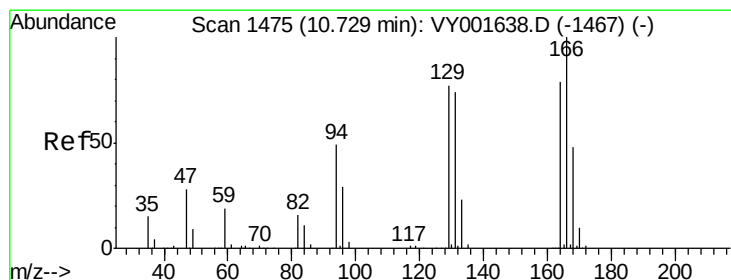
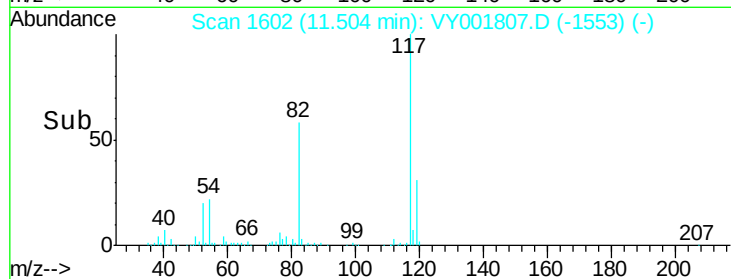
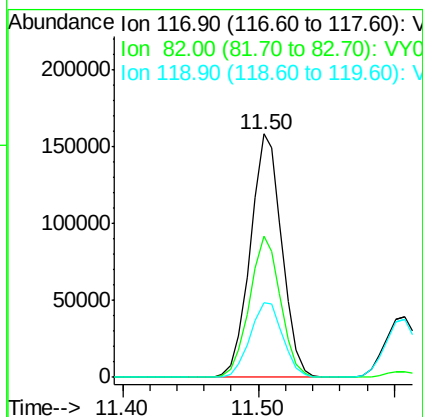
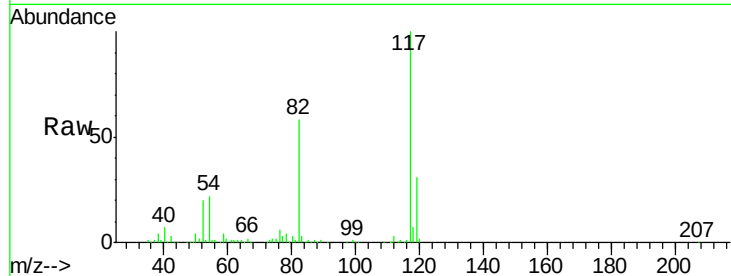
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256092		
82	57.9		45.5	68.3
119	30.7		25.8	38.6

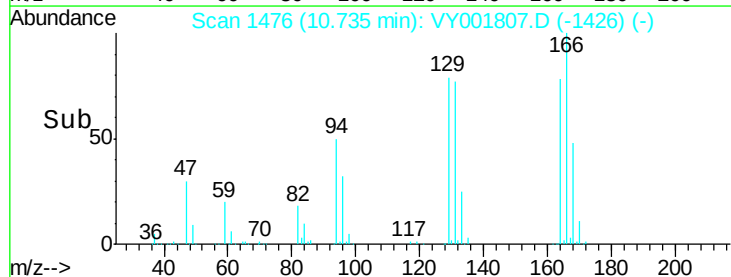
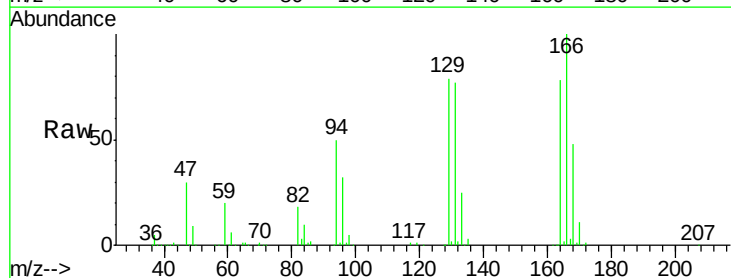
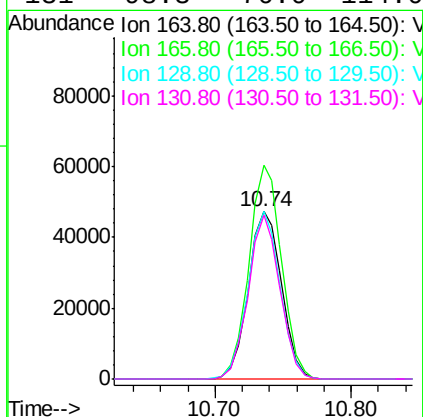
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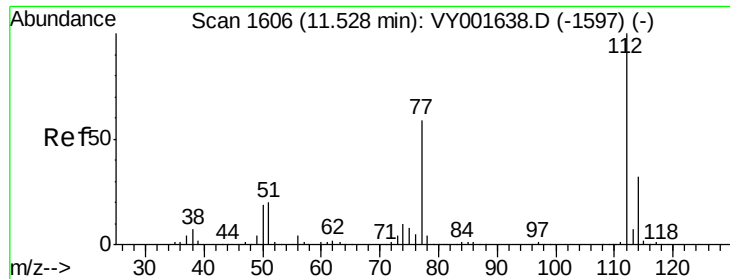
MMDadoda
3/2/2020 10:35:58 AM



#64
Tetrachloroethene
Concen: 50.125 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80583		
166	127.7		101.4	152.0
129	100.4		78.7	118.1
131	98.3		76.0	114.0





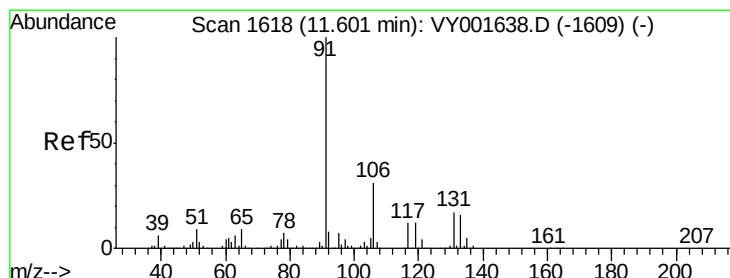
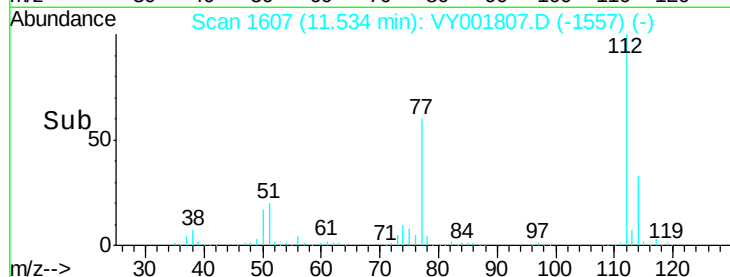
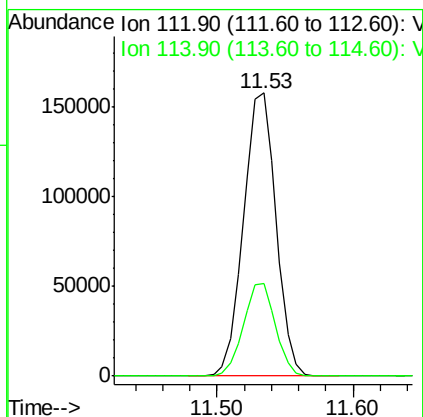
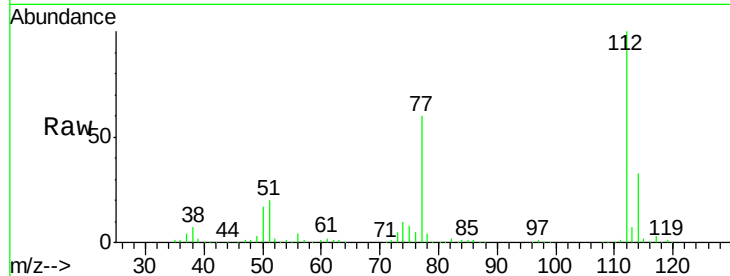
#65
Chlorobenzene
Concen: 51.787 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 264777
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

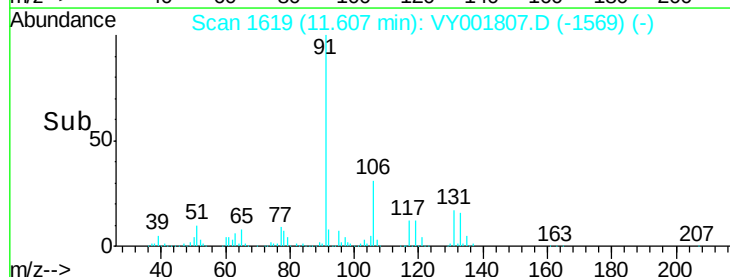
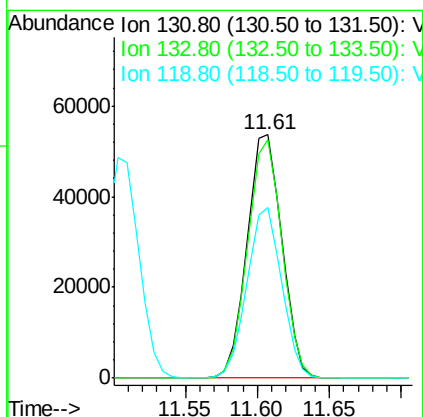
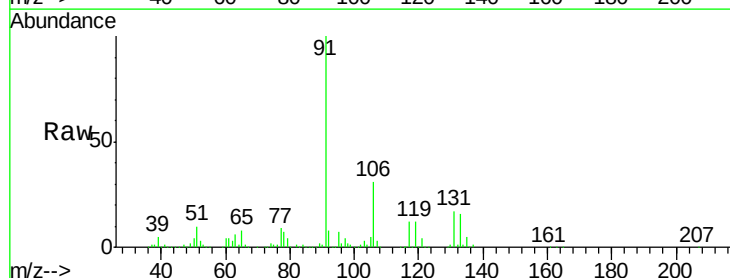
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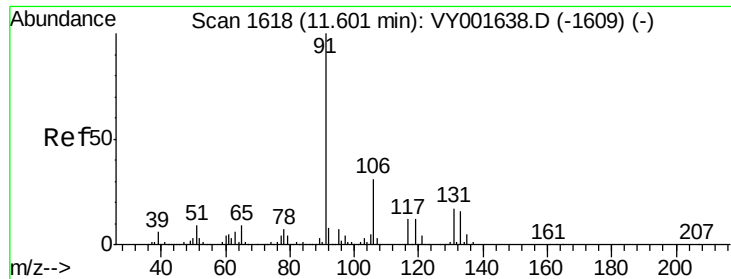
MMDadoda
3/2/2020 10:35:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.966 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion:131 Resp: 89627
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 69.7 34.4 103.1





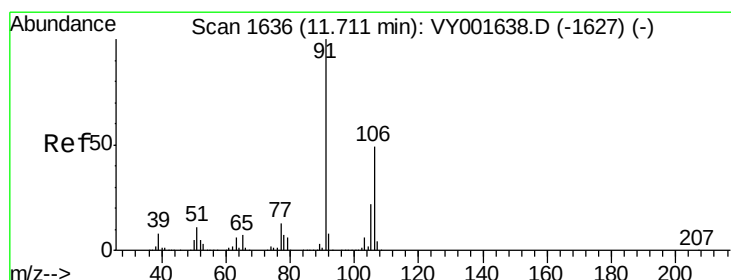
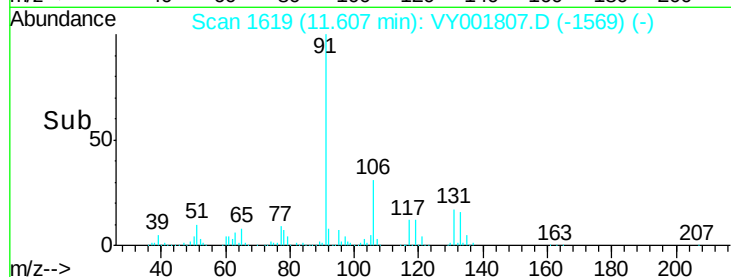
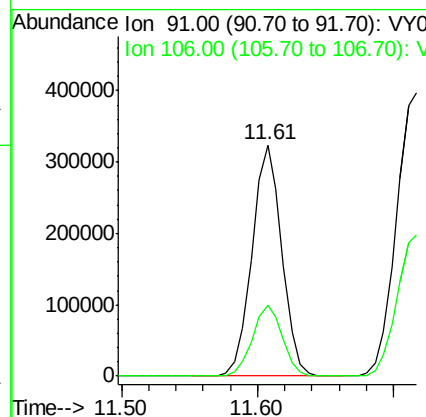
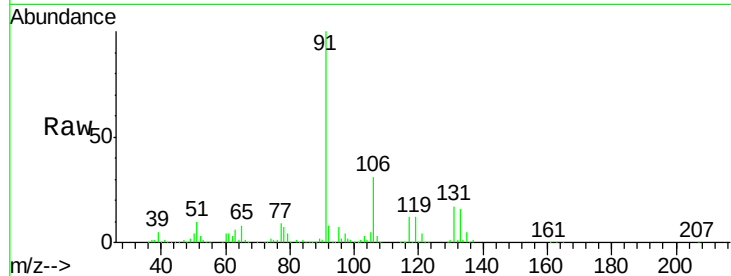
#67
Ethyl Benzene
Concen: 52.172 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 495018
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

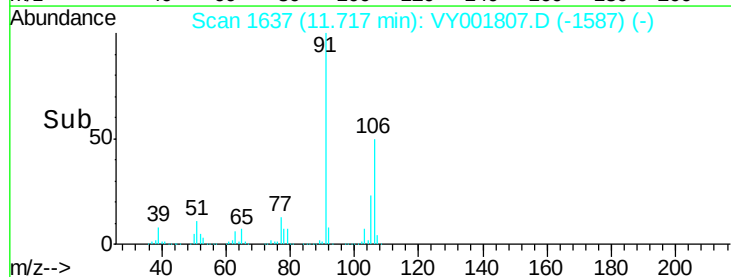
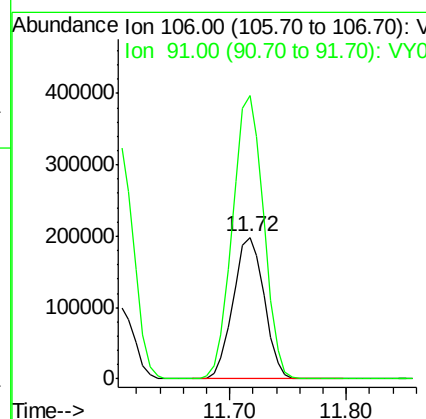
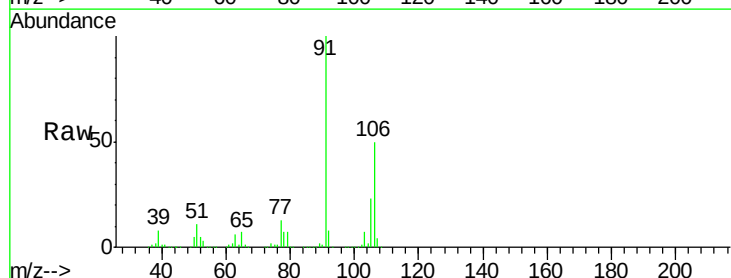
Manual Integrations
APPROVED

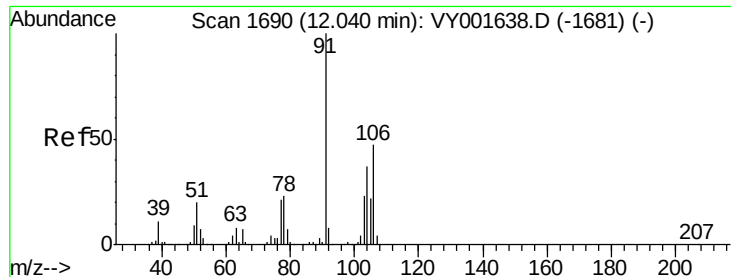
MMDadoda
3/2/2020 10:35:58 AM



#68
m/p-Xylenes
Concen: 103.922 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion: 106 Resp: 368330
Ion Ratio Lower Upper
106 100
91 200.5 163.3 244.9





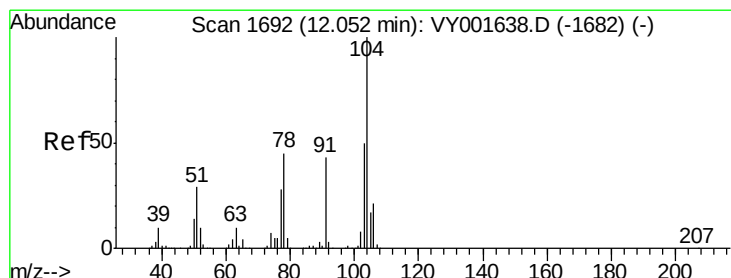
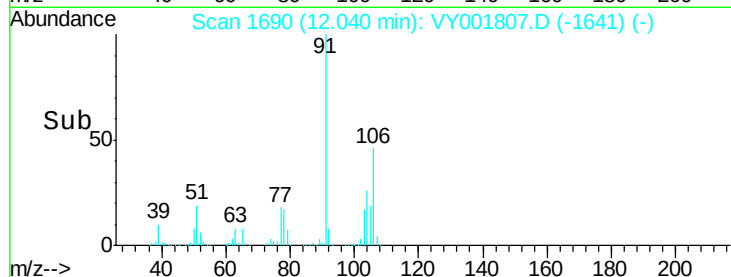
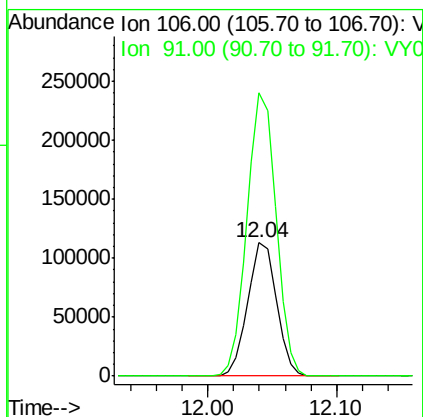
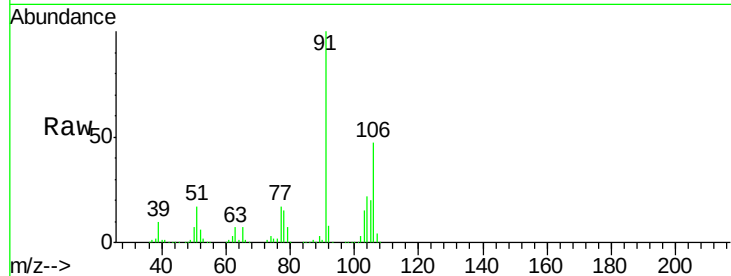
#69
o-Xylene
Concen: 51.876 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	174799		
91	91	214.0	108.3	324.9	

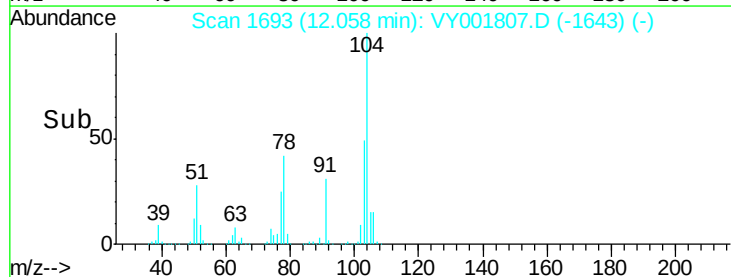
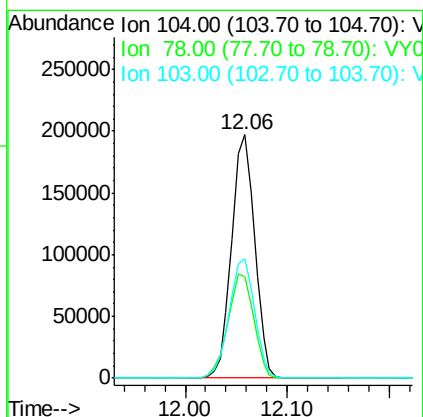
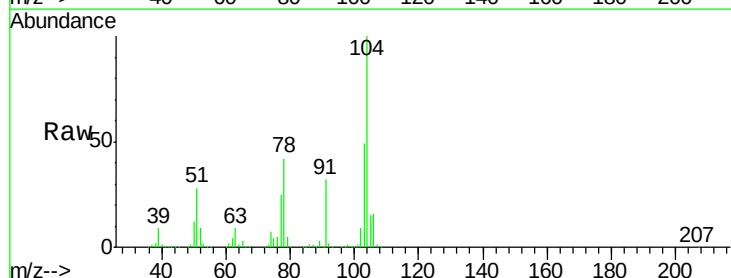
Manual Integrations
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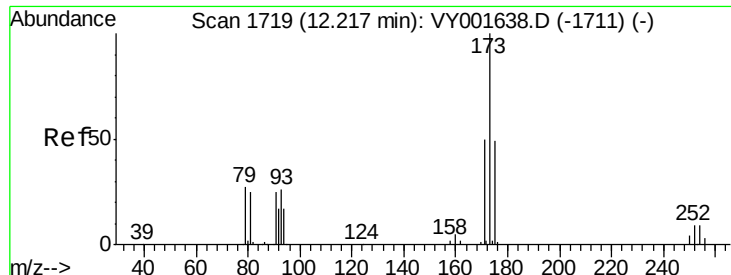
MMDadoda
3/2/2020 10:35:58 AM



#70
Styrene
Concen: 52.739 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	308841		
78	78	47.8	39.2	58.8	
103	103	53.7	43.0	64.6	





#71

Bromoform

Concen: 52.110 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51362

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

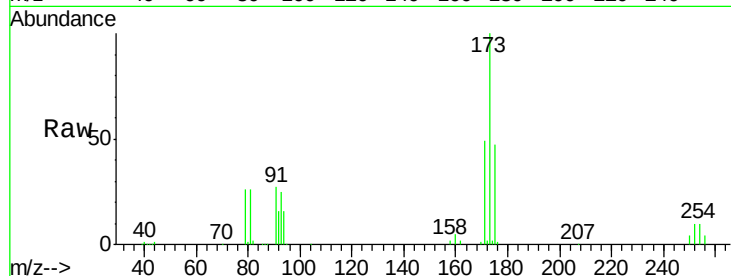
254 0.0 0.1 0.1#

Manual Integrations

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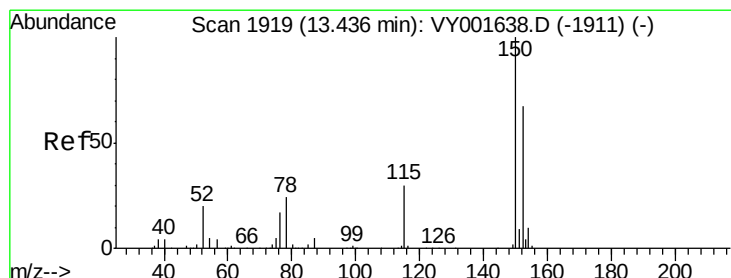
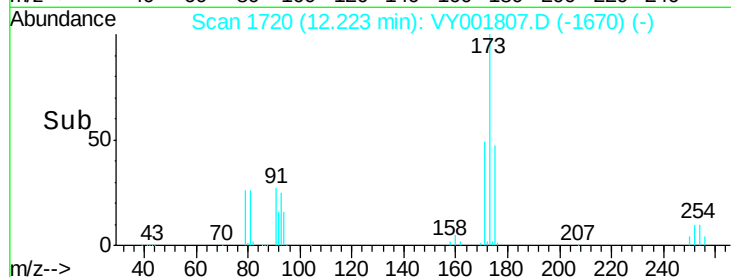
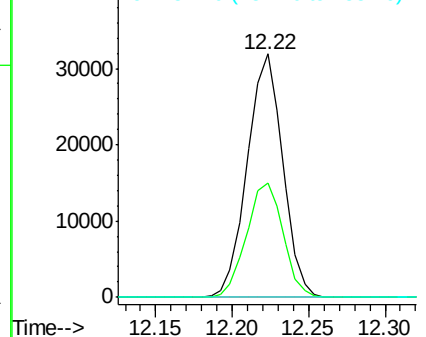
3/2/2020 10:35:58 AM



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: VY001807.D

Acq: 28 Feb 2020 18:39

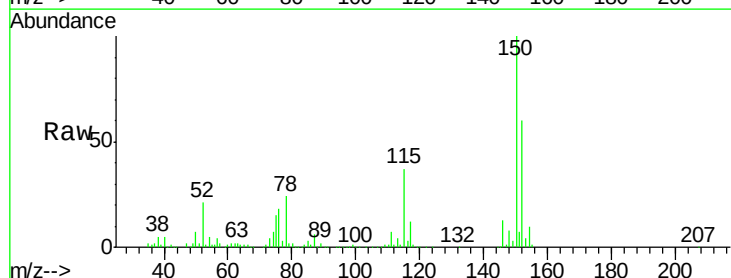
Tgt Ion:152 Resp: 120826

Ion Ratio Lower Upper

152 100

115 60.8 31.4 94.2

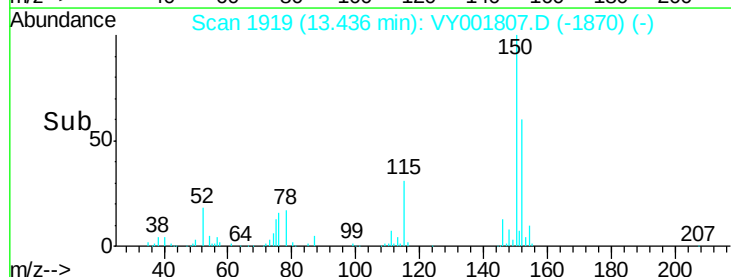
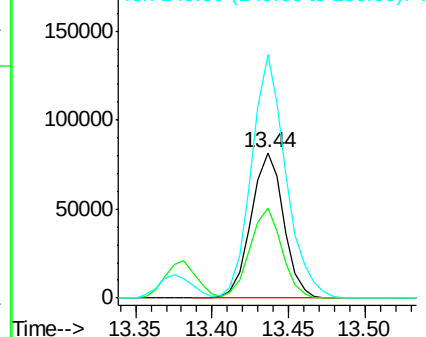
150 176.4 0.0 407.2

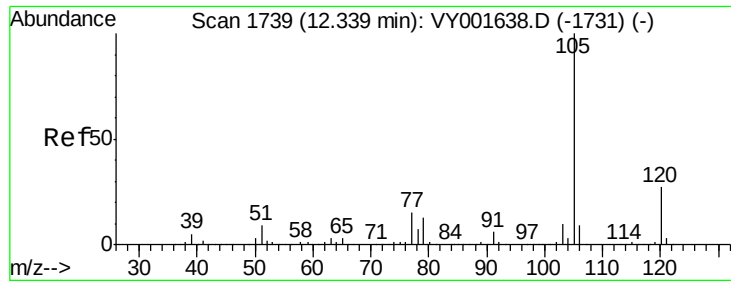


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.897 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 468494

Ion Ratio Lower Upper

105 100

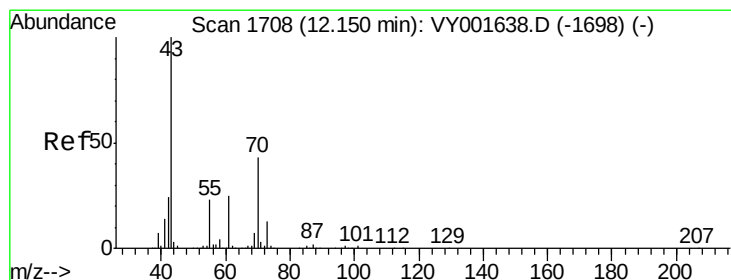
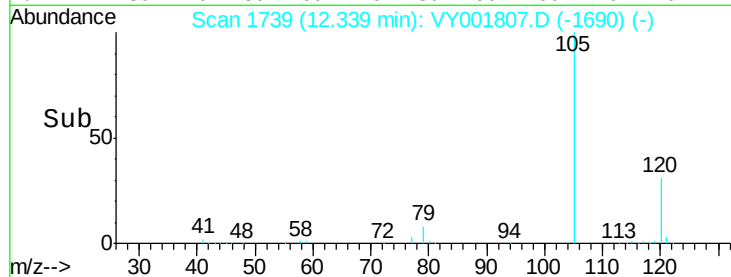
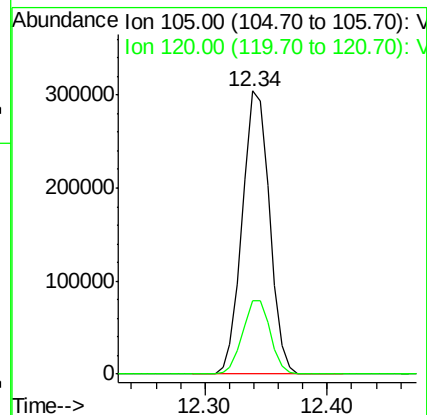
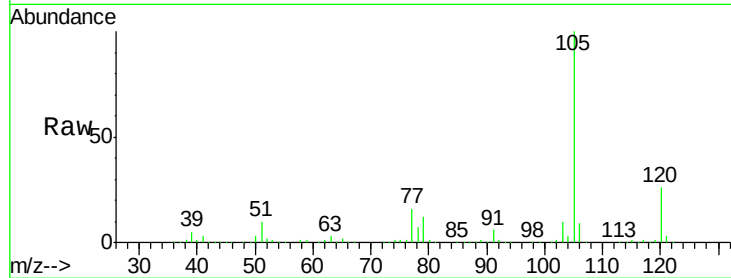
120 26.5 13.4 40.1

Manual Integrations

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MMDadoda

3/2/2020 10:35:58 AM



#74

N-ethyl acetate

Concen: 52.735 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion: 43 Resp: 154916

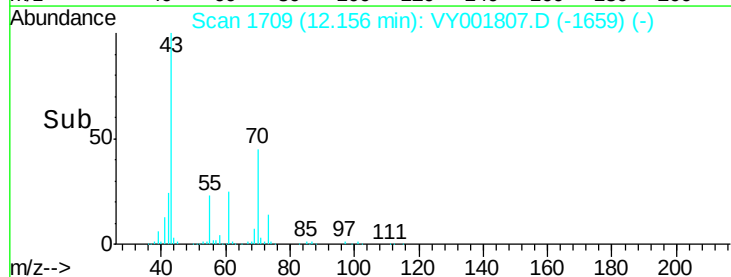
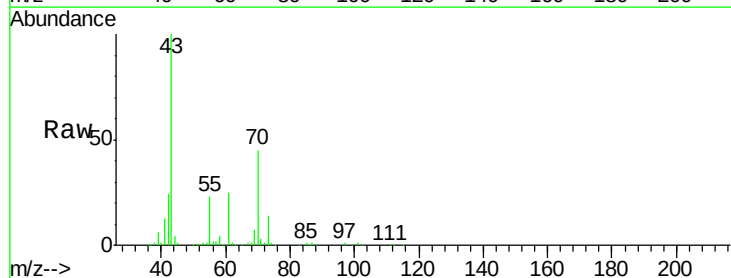
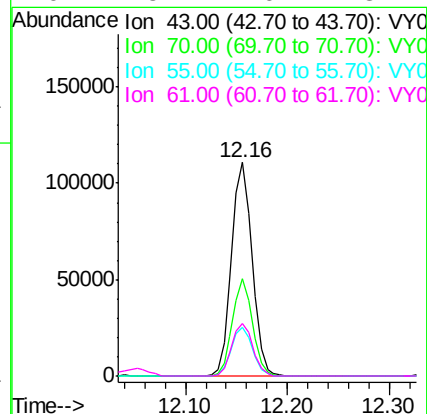
Ion Ratio Lower Upper

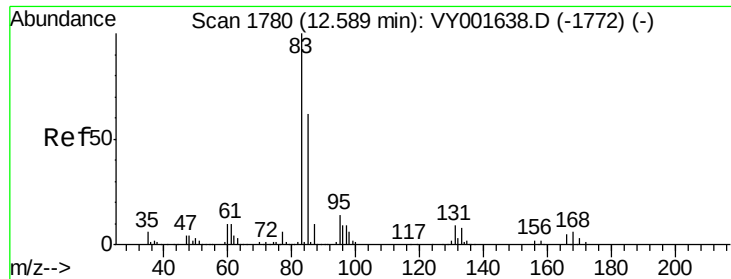
43 100

70 44.2 35.9 53.9

55 23.2 18.3 27.5

61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.799 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

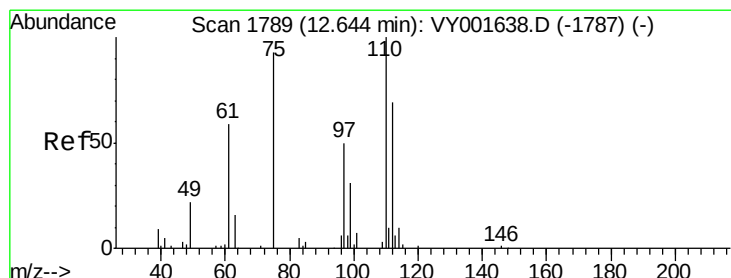
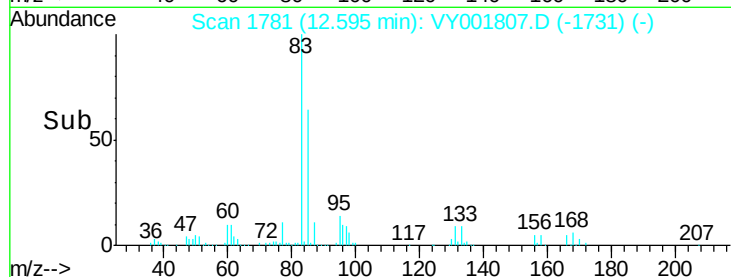
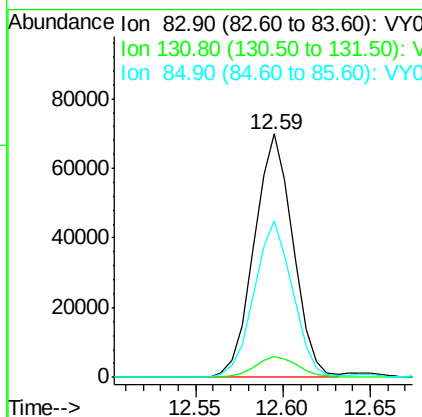
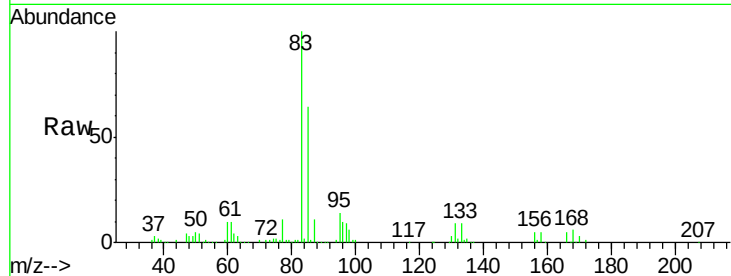
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107703
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	63.8	31.6	94.7

Manual Integrations
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3/2/2020 10:35:58 AM



#76

1,2,3-Trichloropropane

Concen: 55.442 ug/l m

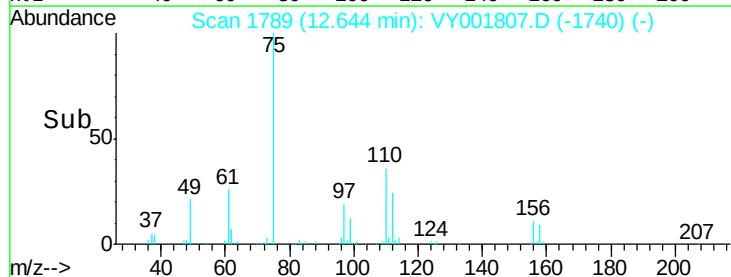
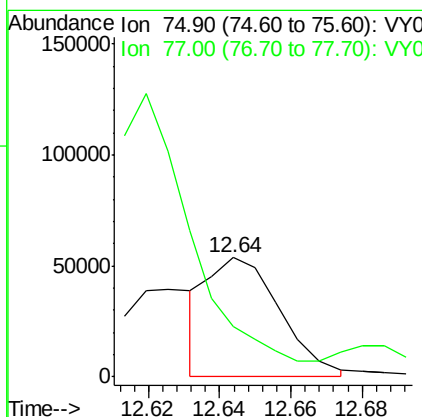
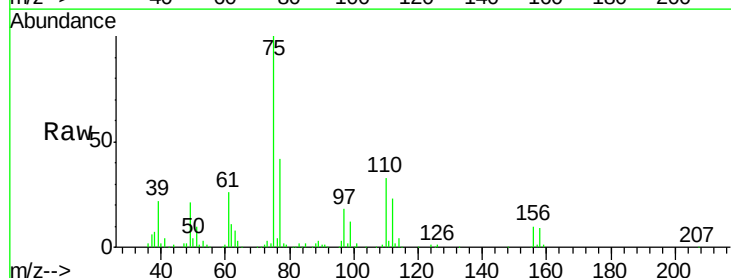
RT: 12.64 min Scan# 1789

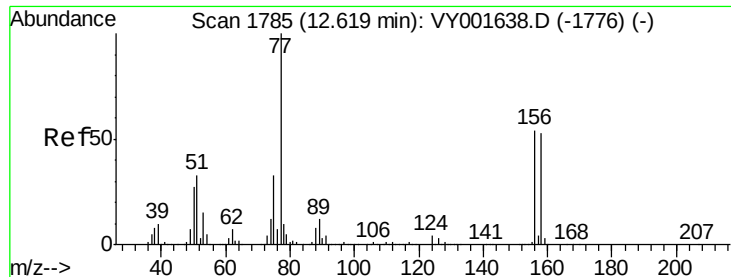
Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	75	Resp:	76845
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.242 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

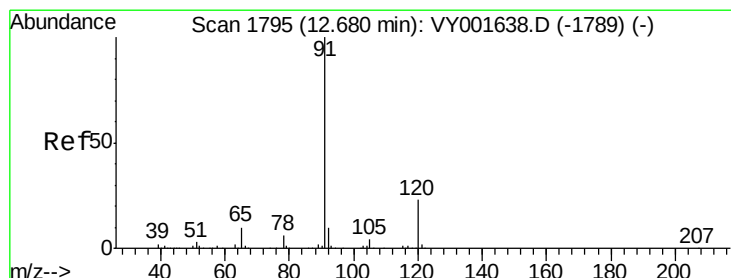
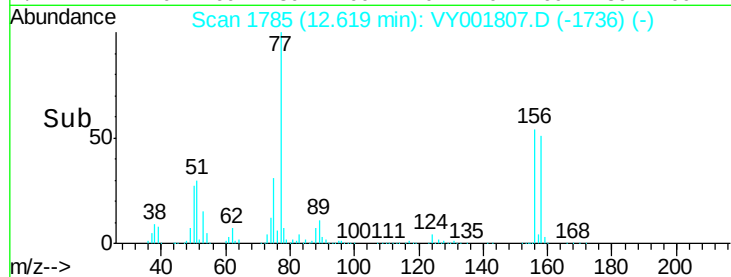
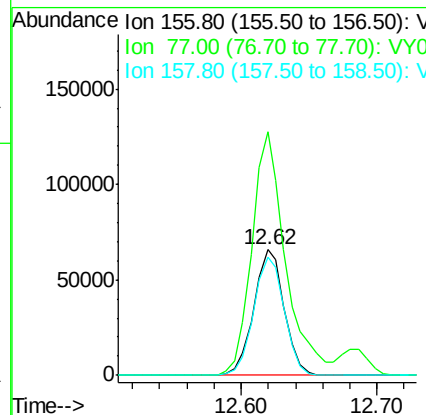
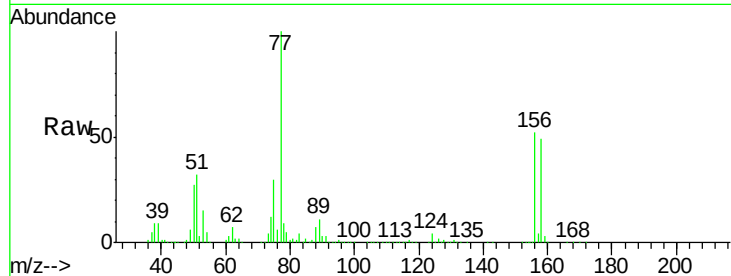
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	102250
Ion Ratio	Lower	Upper	
156	100		
77	216.6	110.1	330.1
158	95.6	47.9	143.7

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#78

n-propylbenzene

Concen: 51.477 ug/l

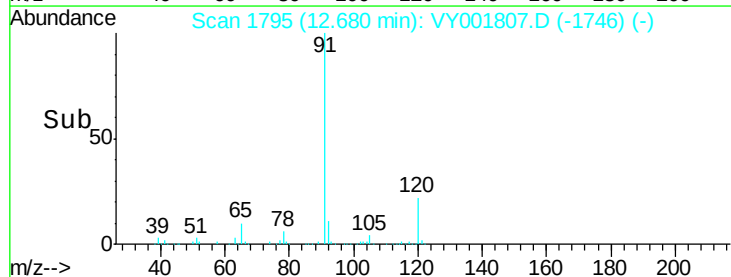
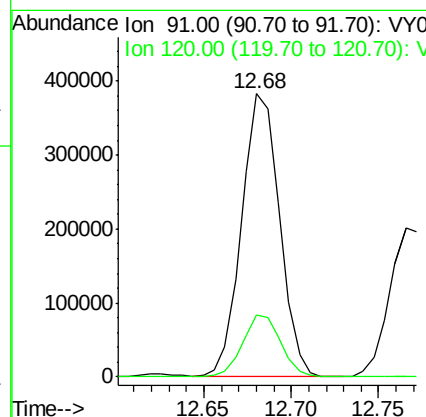
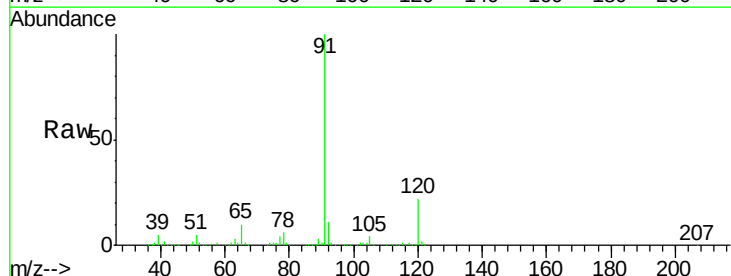
RT: 12.68 min Scan# 1795

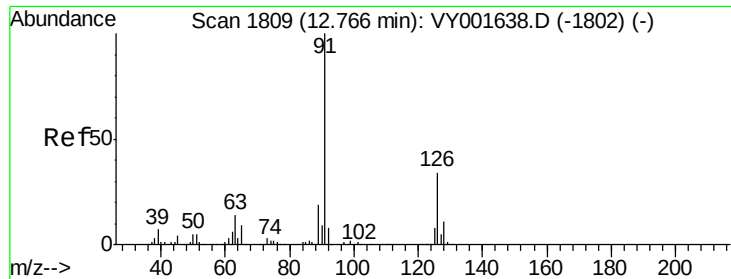
Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	91	Resp:	577087
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1





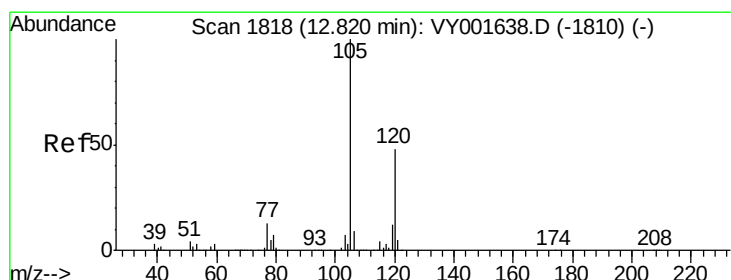
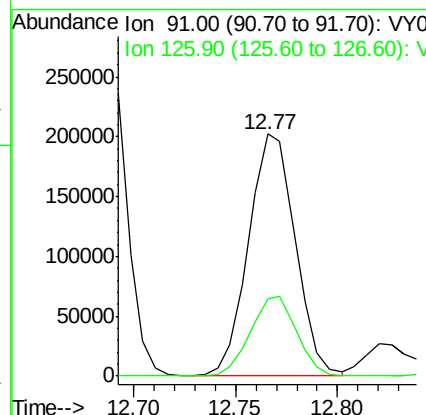
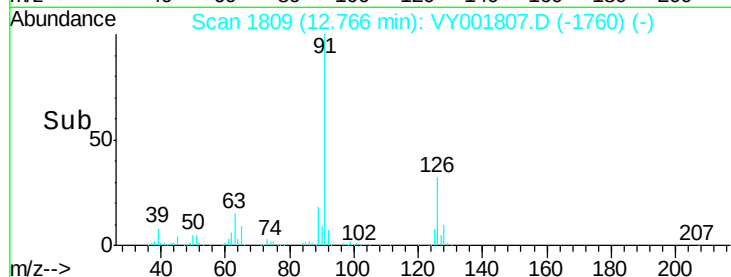
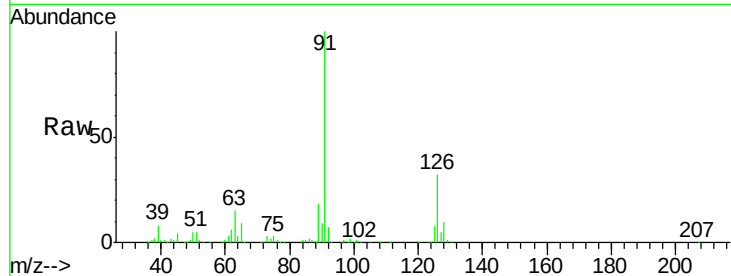
#79
 2-Chlorotoluene
 Concen: 51.224 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 322076
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.2 48.6

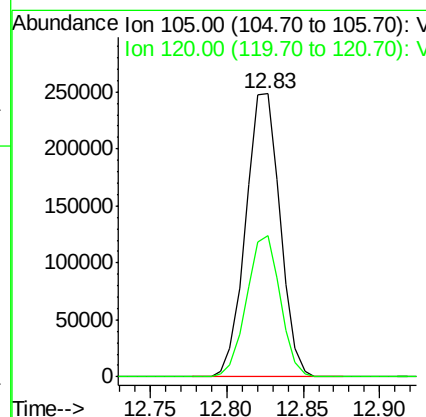
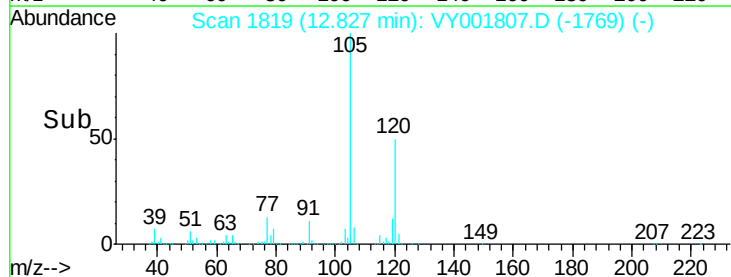
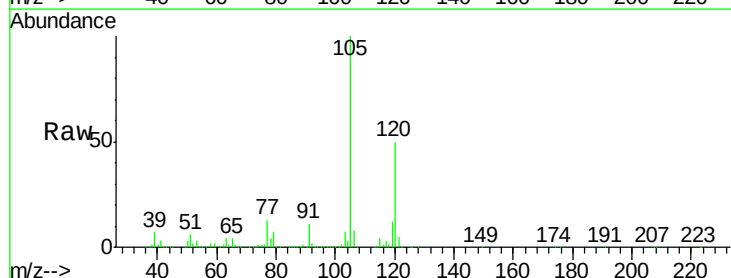
Manual Integrations
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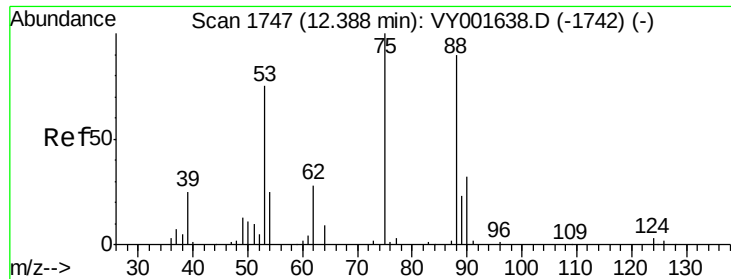
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.939 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion: 105 Resp: 388132
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





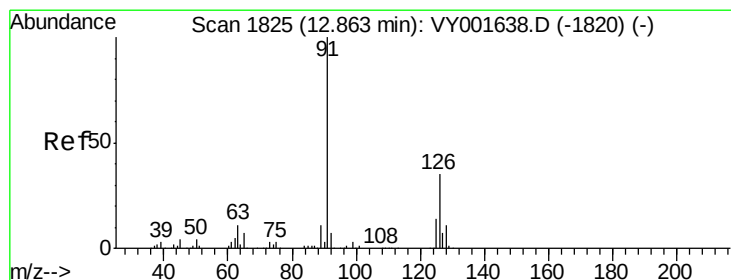
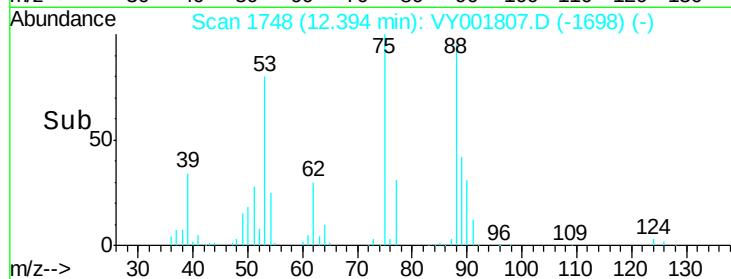
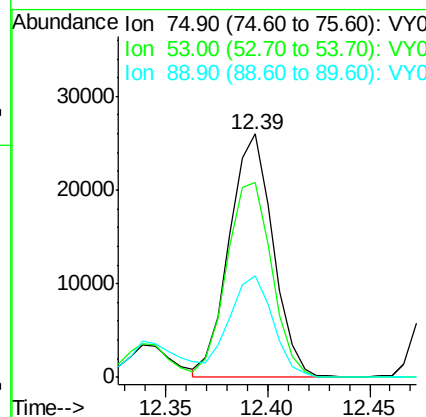
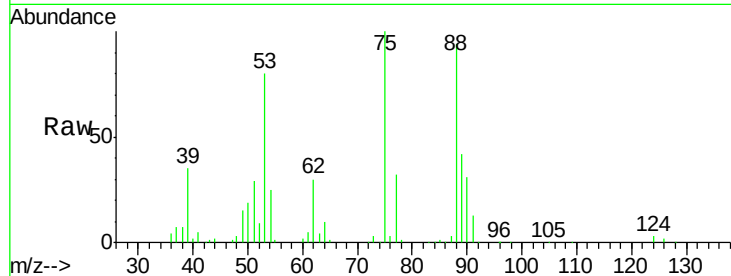
#81
trans-1,4-Dichloro-2-butene
Concen: 52.576 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	64.5	96.7
89	41.9	36.3	54.5

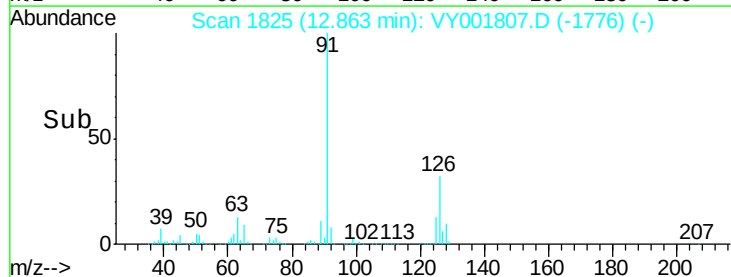
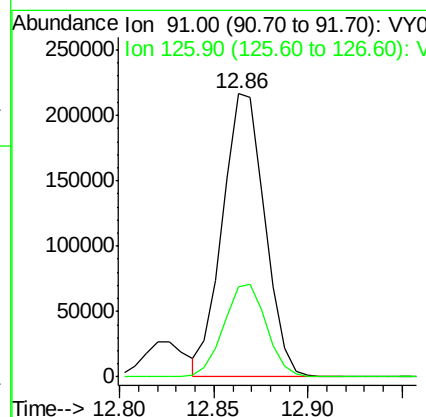
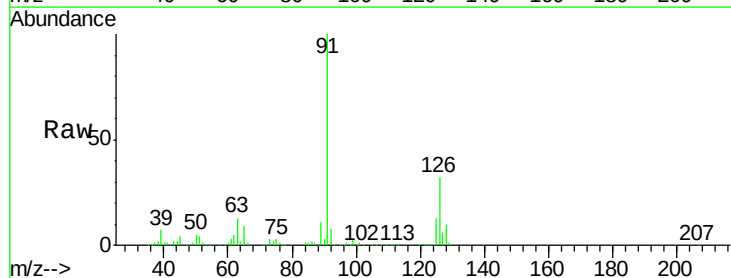
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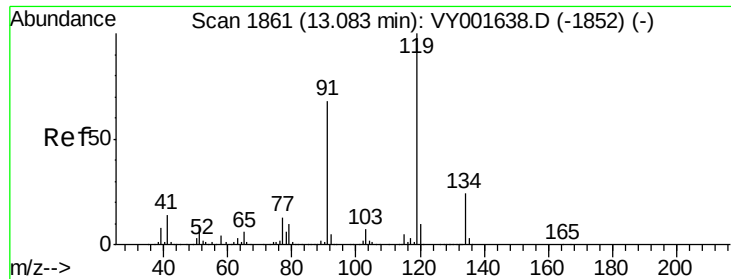
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6





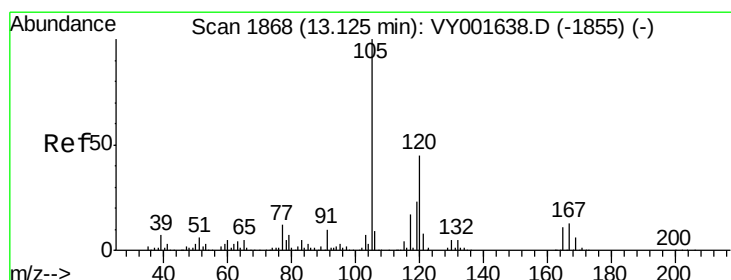
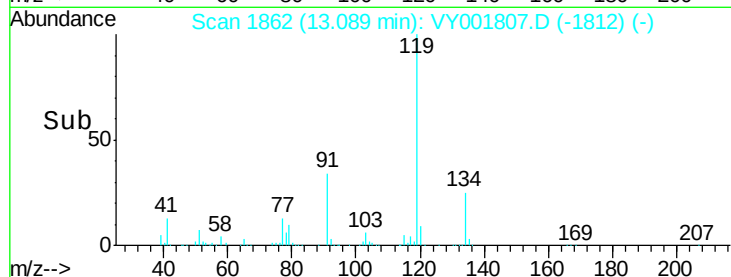
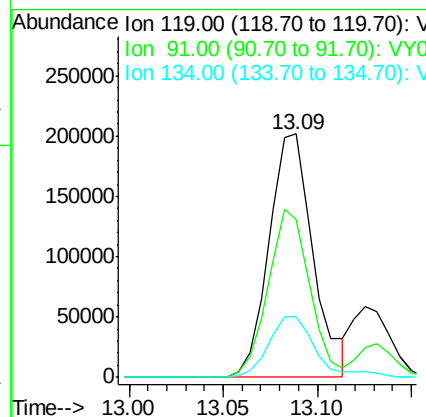
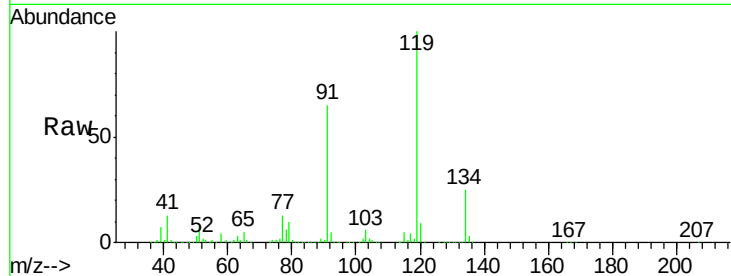
#83
tert-Butylbenzene
Concen: 51.515 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	33.5	100.5
134	26.6	13.3	39.8

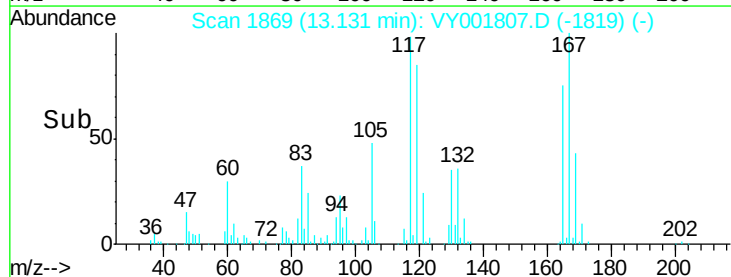
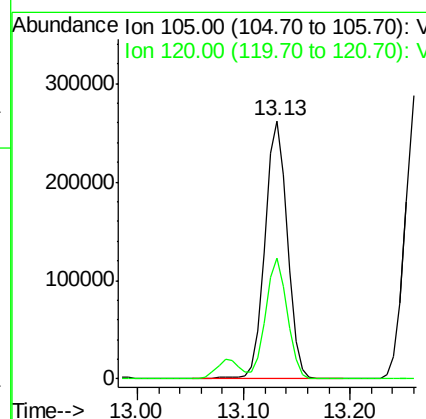
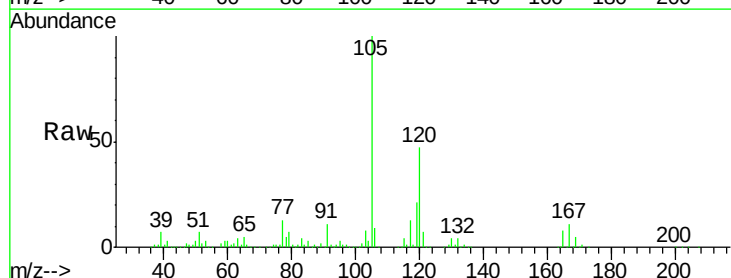
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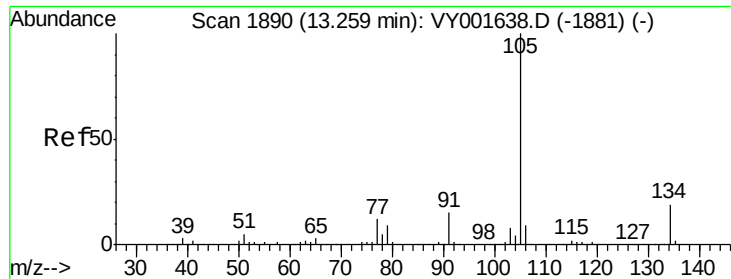
MMDadoda
3/2/2020 10:35:58 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.872 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





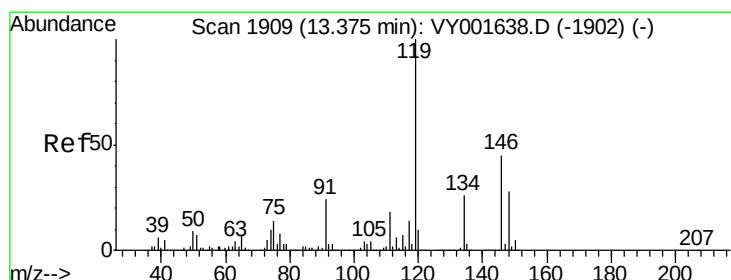
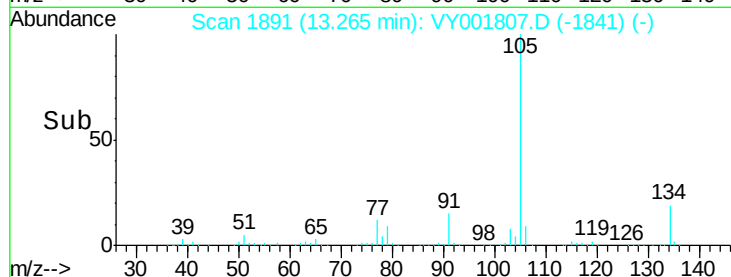
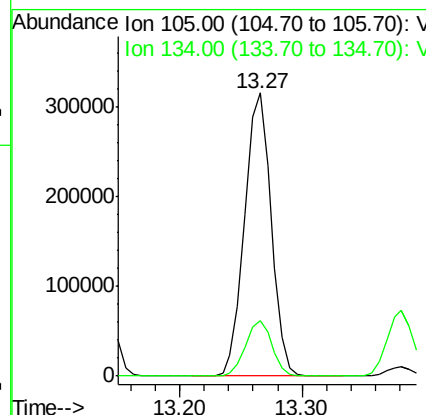
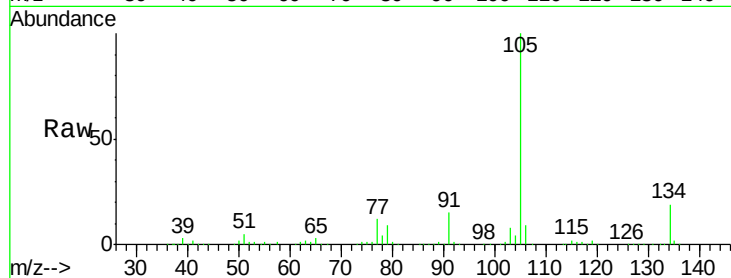
#85
 sec-Butylbenzene
 Concen: 50.703 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050EC

Tot Ion:105 Resp: 475216
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3

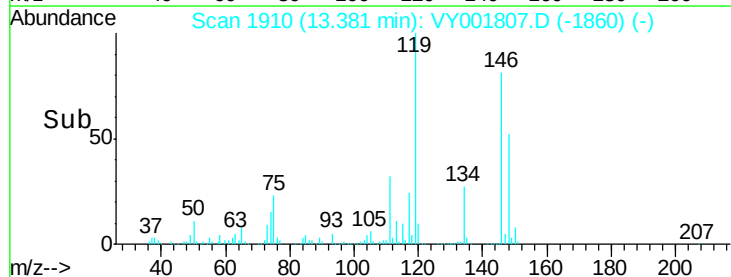
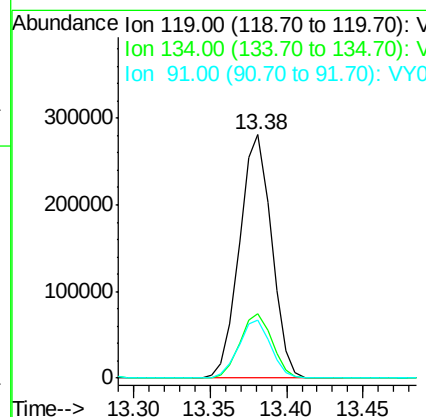
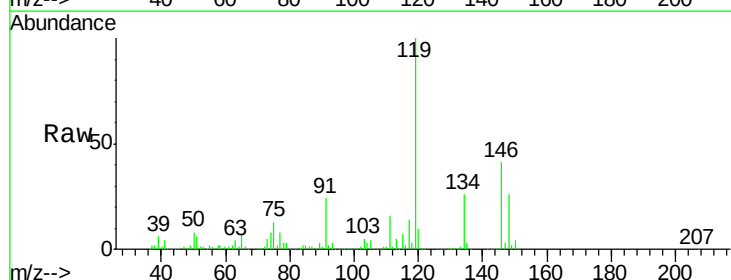
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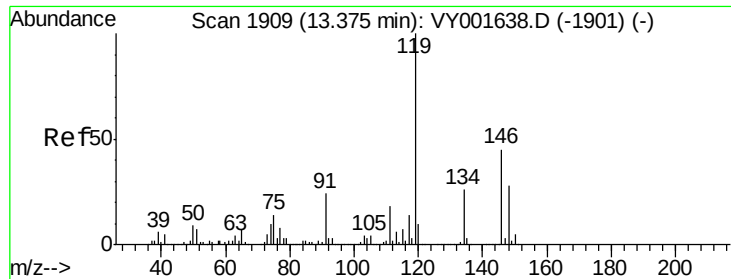
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#86
 p-Isopropyltoluene
 Concen: 50.108 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion:119 Resp: 407990
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.0 39.0
 91 23.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 51.038 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

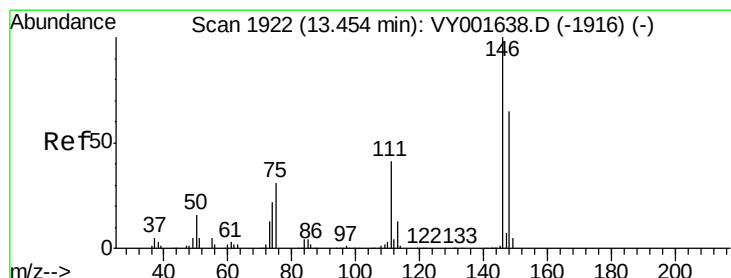
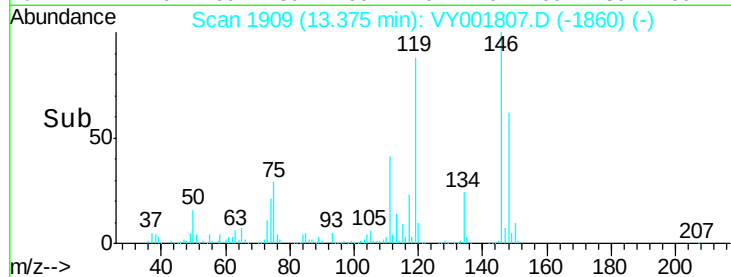
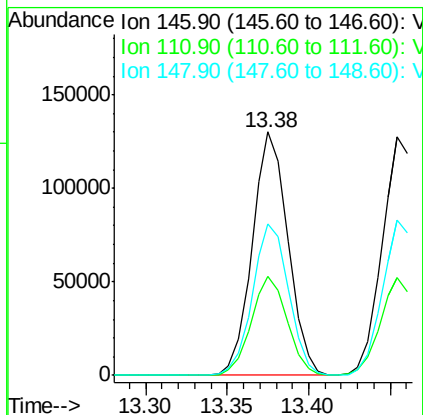
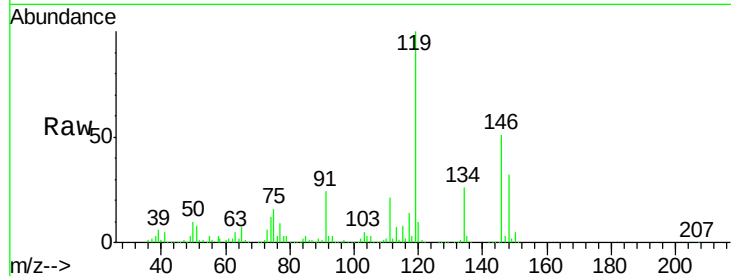
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	197512
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.4	64.3
148	63.2	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 50.324 ug/l

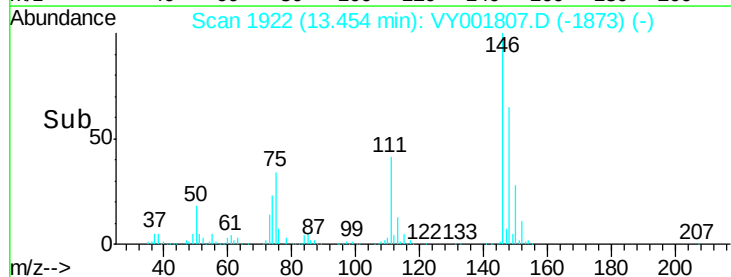
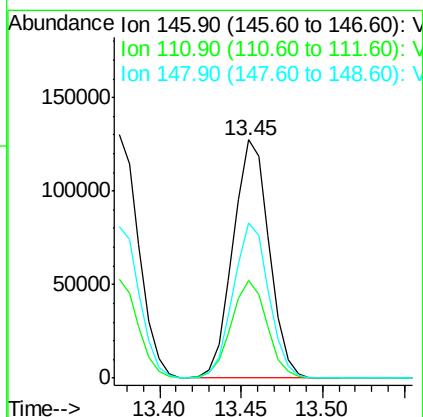
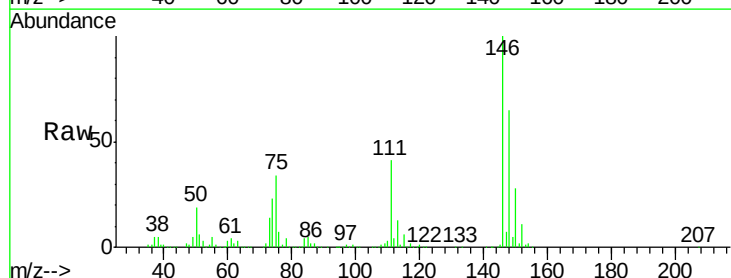
RT: 13.45 min Scan# 1922

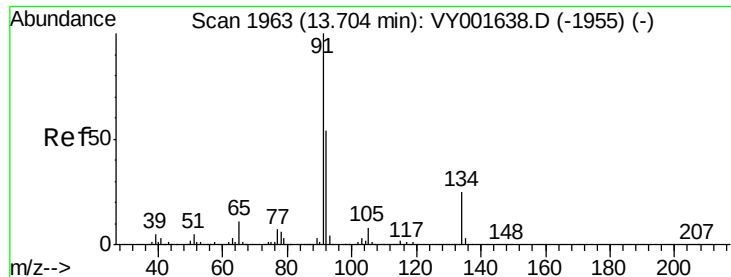
Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	146	Resp:	196861
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.3
148	64.0	31.6	94.7





#89

n-Butylbenzene

Concen: 50.853 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Instrument :

MSVOA_Y

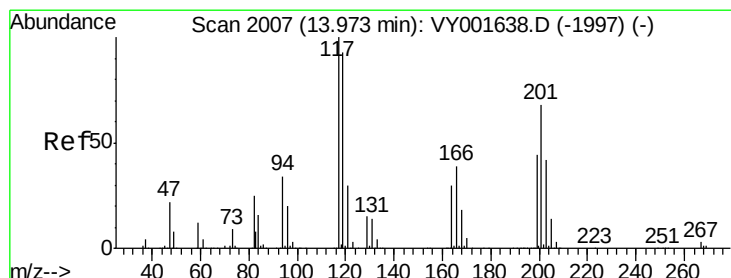
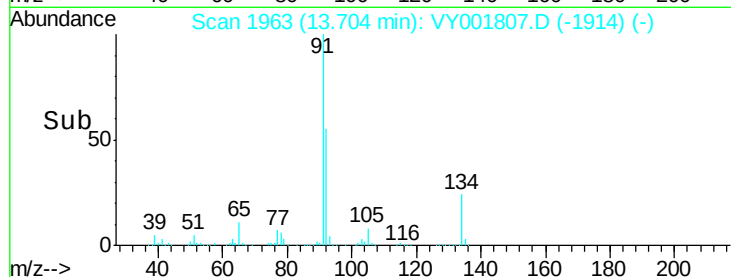
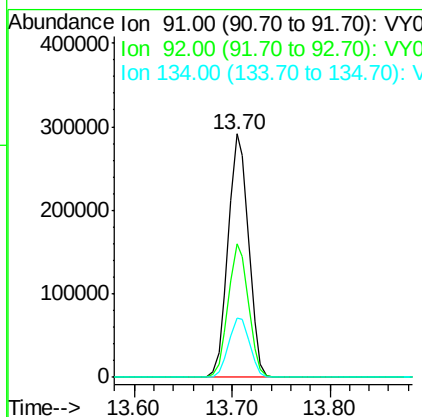
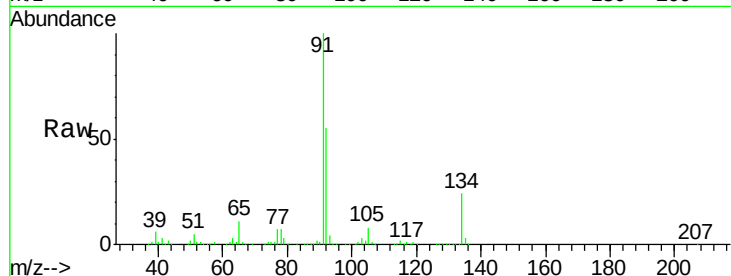
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	423094
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	24.9	12.4	37.4

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#90

Hexachloroethane

Concen: 50.759 ug/l

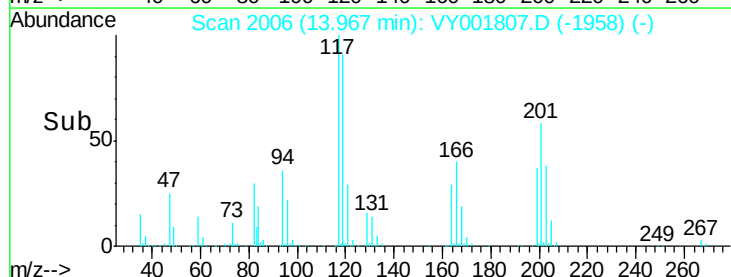
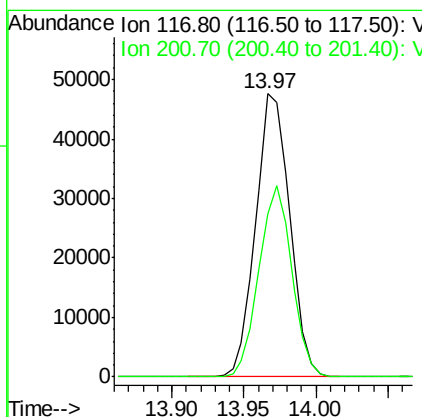
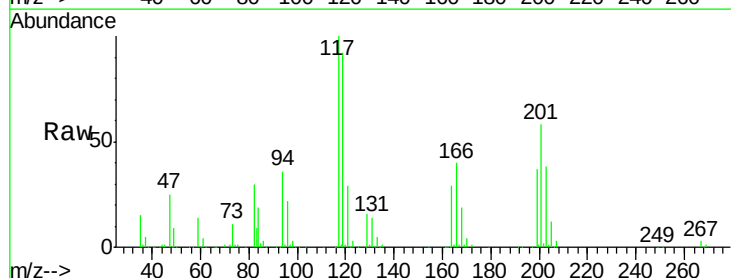
RT: 13.97 min Scan# 2006

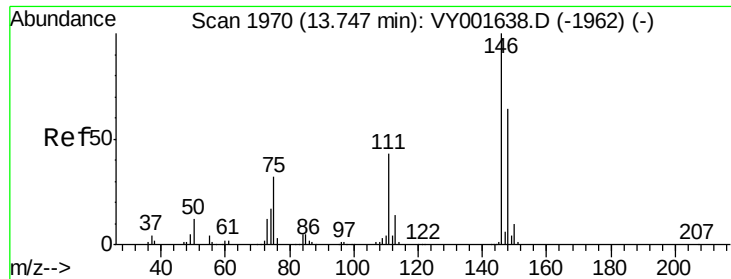
Delta R.T. -0.01 min

Lab File: VY001807.D

Acq: 28 Feb 2020 18:39

Tgt Ion:	117	Resp:	77869
Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.5	97.4





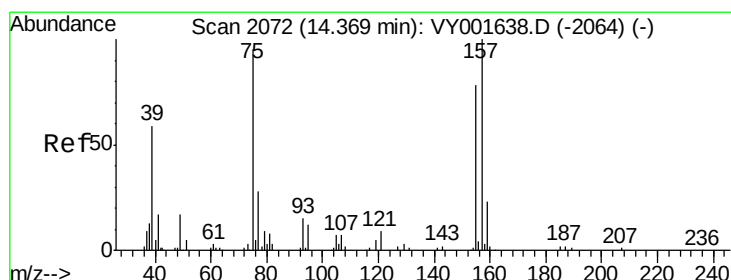
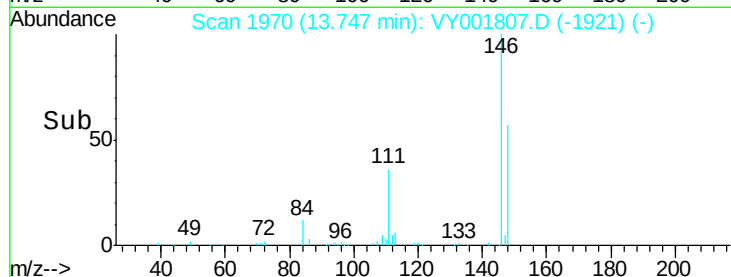
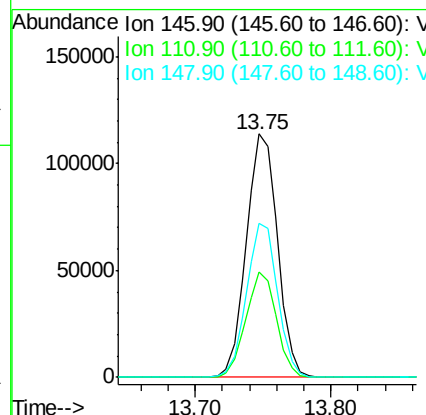
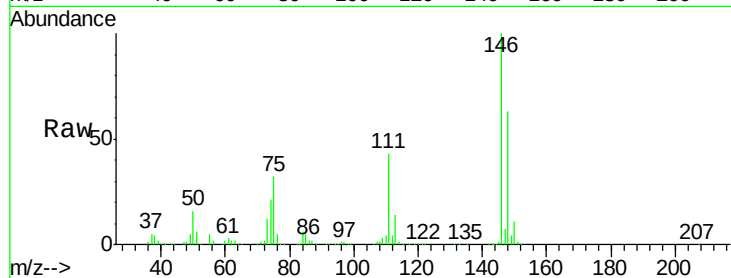
#91
 1,2-Dichlorobenzene
 Concen: 51.166 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.7
148	62.9	31.5	94.5

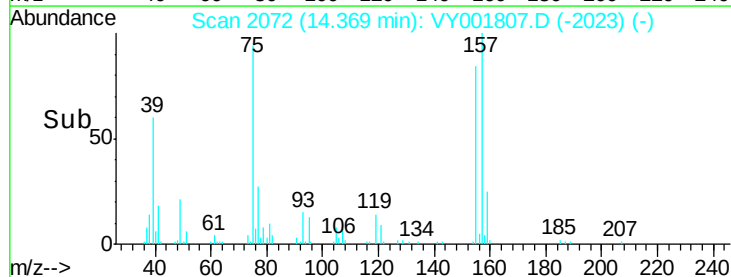
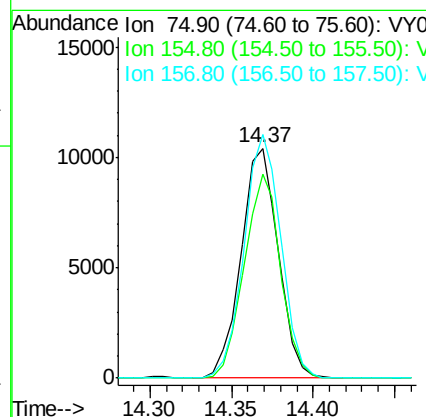
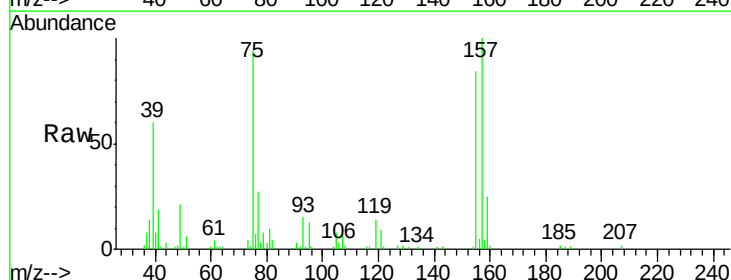
Manual Integrations
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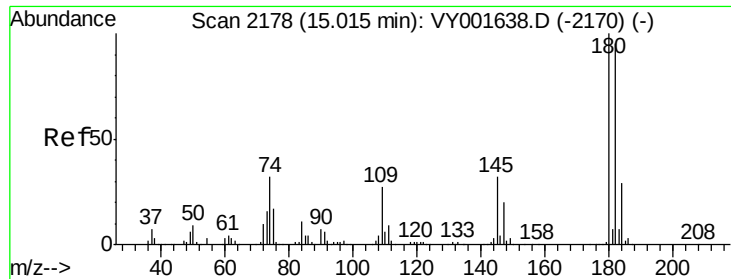
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.005 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001807.D
 Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	40.8	122.4
157	104.9	52.1	156.4





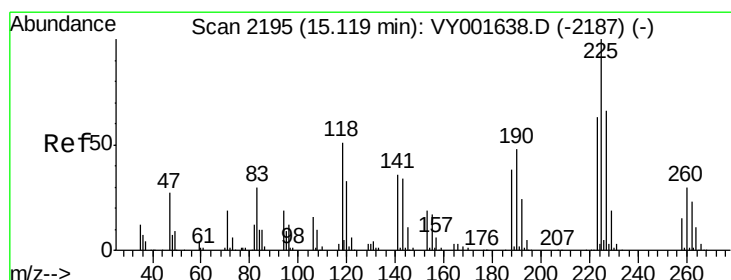
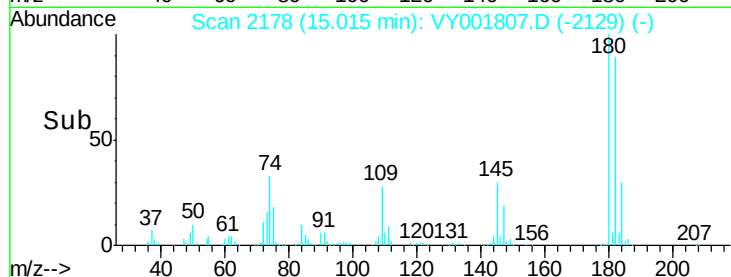
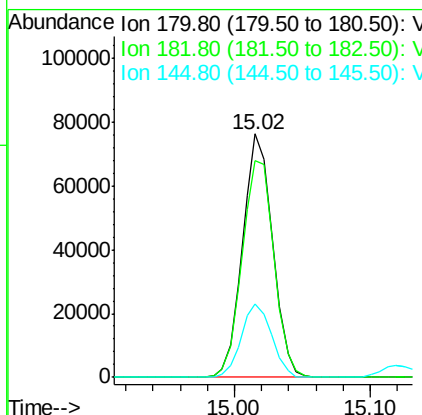
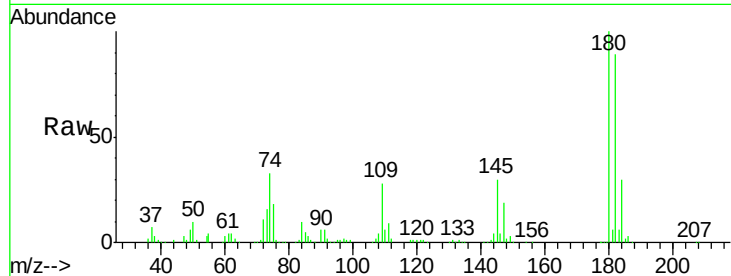
#93
1,2,4-Trichlorobenzene
Concen: 49.659 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117528		
182	94.7	46.8	140.3	
145	30.7	16.2	48.5	

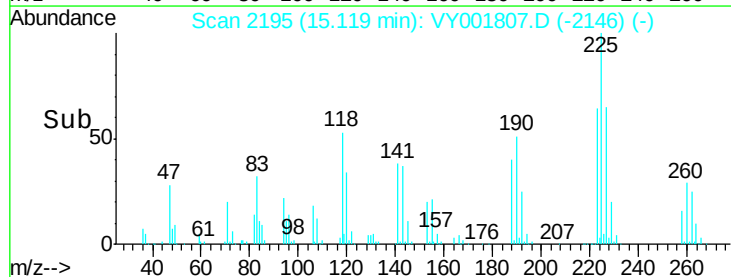
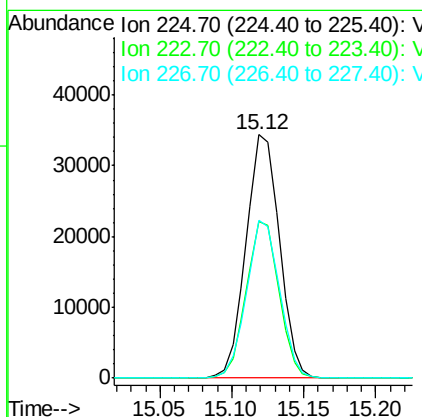
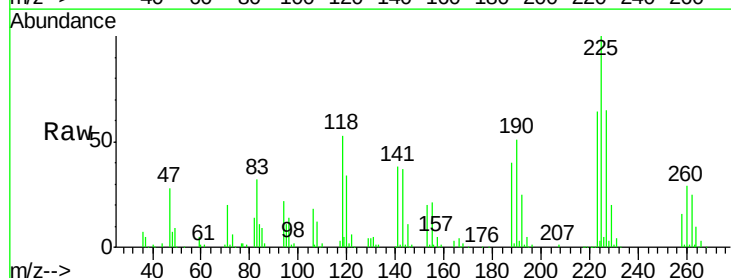
Manual Integrations
APPROVED

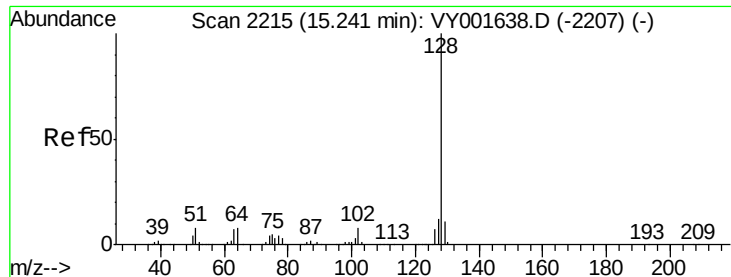
MMDadoda
3/2/2020 10:35:58 AM



#94
Hexachlorobutadiene
Concen: 46.934 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55242		
223	63.0	31.4	94.0	
227	63.6	31.6	94.8	





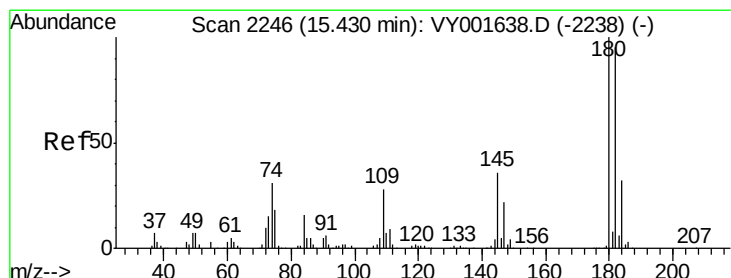
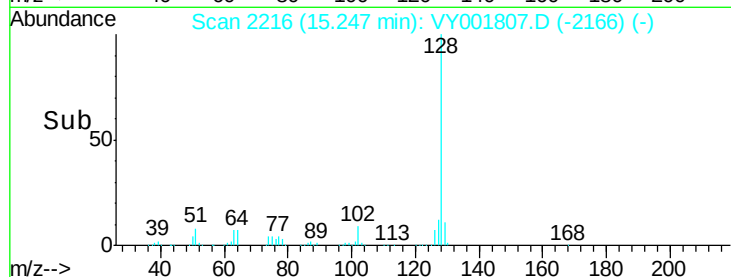
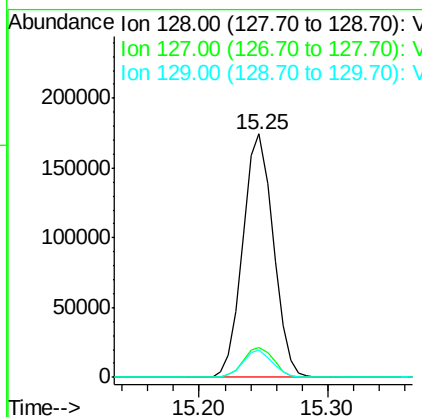
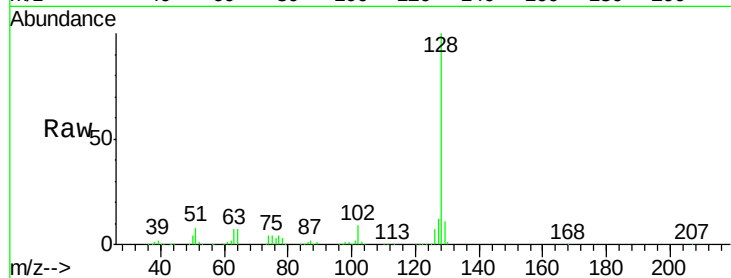
#95
Naphthalene
Concen: 52.170 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	284683		
127	12.4		9.9	14.9
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.907 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001807.D
Acq: 28 Feb 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103912		
182	93.8		47.2	141.6
145	34.0		17.3	52.0

