

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001499.D
 Acq On : 05 Feb 2020 10:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:46:50 PM

Quant Time: Feb 05 14:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	238622	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	416378	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	365183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	168356	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	126530	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	7.75	113	119150	49.62	ug/l	0.01
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.20	98	484662	53.35	ug/l	0.01
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.50	95	176635	49.36	ug/l	0.01
Spiked Amount			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	108294	46.362	ug/l	99
3) Chloromethane	2.13	50	124915	51.167	ug/l	98
4) Vinyl Chloride	2.27	62	131515	51.881	ug/l	100
5) Bromomethane	2.68	94	81295	50.993	ug/l	100
6) Chloroethane	2.82	64	75950	49.706	ug/l	99
7) Trichlorofluoromethane	3.16	101	201636	48.055	ug/l	97
8) Diethyl Ether	3.56	74	72877	51.469	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	124055	49.137	ug/l	99
10) Methyl Iodide	4.13	142	156348	48.602	ug/l	99
11) Tert butyl alcohol	5.01	59	62462	228.248	ug/l	99
12) 1,1-Dichloroethene	3.91	96	123444	49.205	ug/l	97
13) Acrolein	3.77	56	65798	289.226	ug/l	99
14) Allyl chloride	4.52	41	199440	51.966	ug/l	97
15) Acrylonitrile	5.21	53	171834	264.719	ug/l	100
16) Acetone	3.99	43	199277	286.741	ug/l	100
17) Carbon Disulfide	4.23	76	404901	50.698	ug/l	99
18) Methyl Acetate	4.52	43	76595	51.647	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	335010	50.213	ug/l	99
20) Methylene Chloride	4.76	84	134598	49.407	ug/l	92
21) trans-1,2-Dichloroethene	5.26	96	138822	49.775	ug/l	97
22) Diisopropyl ether	6.16	45	395685	52.039	ug/l	96
23) Vinyl Acetate	6.10	43	1298129	268.185	ug/l	98
24) 1,1-Dichloroethane	6.06	63	229302	50.136	ug/l	99
25) 2-Butanone	7.03	43	253232	280.864	ug/l	99
26) 2,2-Dichloropropane	7.02	77	213691	48.819	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	149725	49.151	ug/l	99
28) Bromochloromethane	7.37	49	96910	62.200	ug/l	94
29) Tetrahydrofuran	7.38	42	143724	265.957	ug/l	99
30) Chloroform	7.54	83	227002	49.000	ug/l	99
31) Cyclohexane	7.82	56	230364	49.240	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	204716	48.739	ug/l	99
36) 1,1-Dichloropropene	7.95	75	190844	50.102	ug/l	99
37) Ethyl Acetate	7.11	43	97190	52.707	ug/l	99
38) Carbon Tetrachloride	7.93	117	178024	48.307	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	248903	49.627	ug/l	99
40) Benzene	8.19	78	537703	49.491	ug/l	99
41) Methacrylonitrile	7.35	41	34828m	40.753	ug/l	
42) 1,2-Dichloroethane	8.27	62	147920	48.869	ug/l	99
43) Isopropyl Acetate	8.30	43	193847	53.095	ug/l	97
44) Trichloroethene	8.96	130	139701	47.703	ug/l	94
45) 1,2-Dichloropropane	9.24	63	132125	50.361	ug/l	99
46) Dibromomethane	9.33	93	72680	49.335	ug/l	98
47) Bromodichloromethane	9.52	83	178263	49.663	ug/l	97
48) Methyl methacrylate	9.32	41	89458	53.987	ug/l	95
49) 1,4-Dioxane	9.32	88	19317	992.868	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	487467	271.119	ug/l	98
52) Toluene	10.26	92	338415	49.090	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	197094	50.413	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	223085	49.703	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	105180	49.762	ug/l	99
56) Ethyl methacrylate	10.53	69	156236	51.969	ug/l	98
57) 1,3-Dichloropropane	10.81	76	186755	50.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	302518	273.535	ug/l	98
59) 2-Hexanone	10.85	43	367558	281.160	ug/l	100
60) Dibromochloromethane	11.00	129	122127	49.018	ug/l	100
61) 1,2-Dibromoethane	11.11	107	101568	48.787	ug/l	99
64) Tetrachloroethene	10.74	164	109277	45.629	ug/l	96
65) Chlorobenzene	11.53	112	347793	48.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	120174	47.887	ug/l	99
67) Ethyl Benzene	11.61	91	653009	49.255	ug/l	98
68) m/p-Xylenes	11.72	106	484799	97.408	ug/l	100
69) o-Xylene	12.05	106	227571	48.495	ug/l	98
70) Styrene	12.06	104	398388	49.093	ug/l	99
71) Bromoform	12.22	173	69488	49.727	ug/l #	100
73) Isopropylbenzene	12.35	105	622918	48.513	ug/l	100
74) N-amyl acetate	12.16	43	176654	52.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	125857	51.590	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	82462m	45.546	ug/l	
77) Bromobenzene	12.62	156	133504	48.044	ug/l	94
78) n-propylbenzene	12.69	91	751470	48.886	ug/l	99
79) 2-Chlorotoluene	12.77	91	421798	48.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	521641	48.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	49308	52.697	ug/l	99
82) 4-Chlorotoluene	12.87	91	447410	48.701	ug/l	99
83) tert-Butylbenzene	13.09	119	438929	48.020	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	512352	47.871	ug/l	100
85) sec-Butylbenzene	13.27	105	625172	48.647	ug/l	100
86) p-Isopropyltoluene	13.38	119	549082	48.484	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	253951	47.687	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	255606	47.910	ug/l	100
89) n-Butylbenzene	13.71	91	549720	49.197	ug/l	100
90) Hexachloroethane	13.97	117	106140	48.830	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	234163	48.521	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22259	49.425	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	155134	47.702	ug/l	99
94) Hexachlorobutadiene	15.13	225	77647	47.043	ug/l	98
95) Naphthalene	15.25	128	362345	47.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	136054	47.393	ug/l	98

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

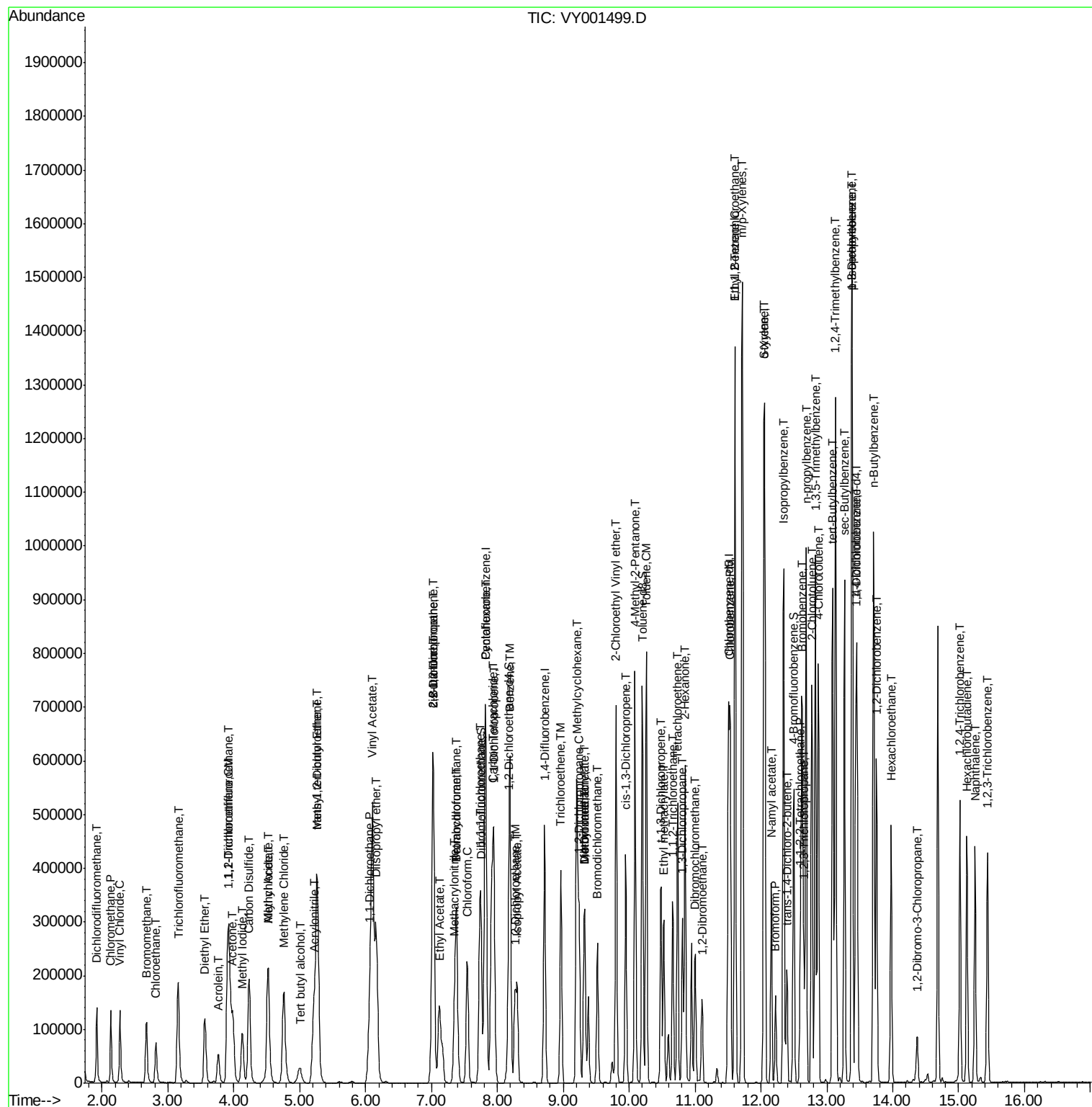
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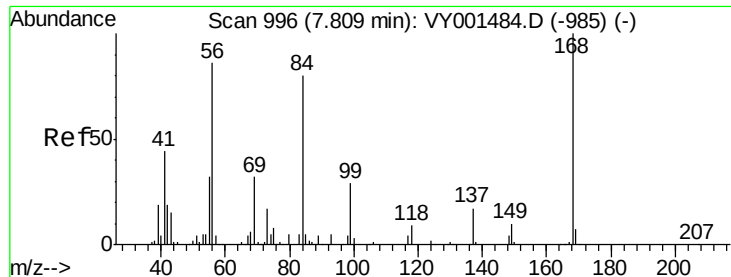
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 238622

Ion Ratio Lower Upper

168 100

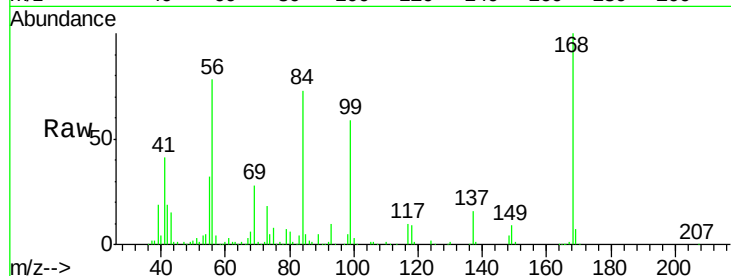
99 58.7 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

120000

100000

80000

60000

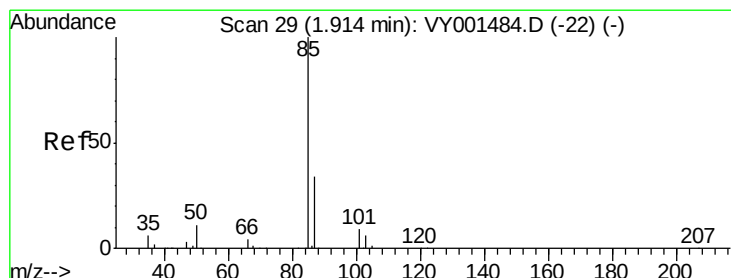
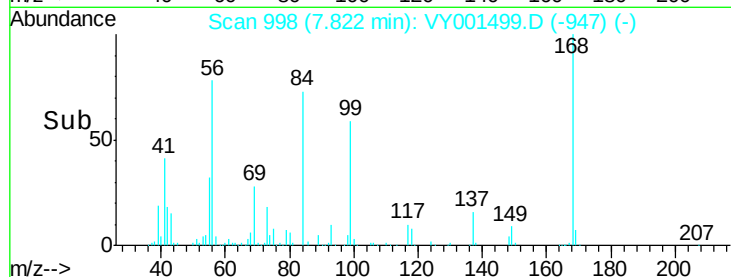
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.362 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001499.D

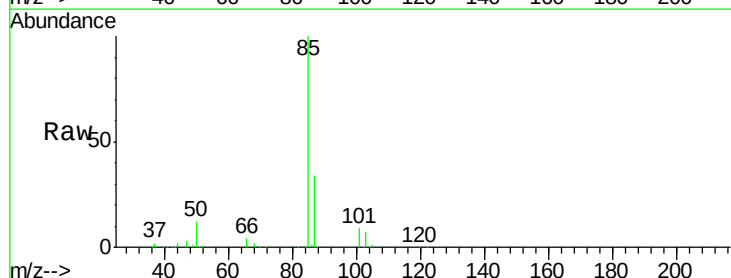
Acq: 05 Feb 2020 10:43

Tgt Ion: 85 Resp: 108294

Ion Ratio Lower Upper

85 100

87 33.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.92

80000

60000

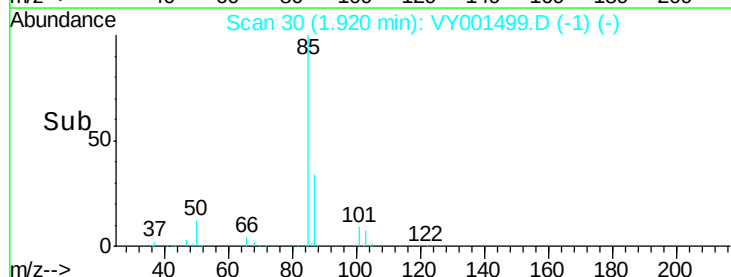
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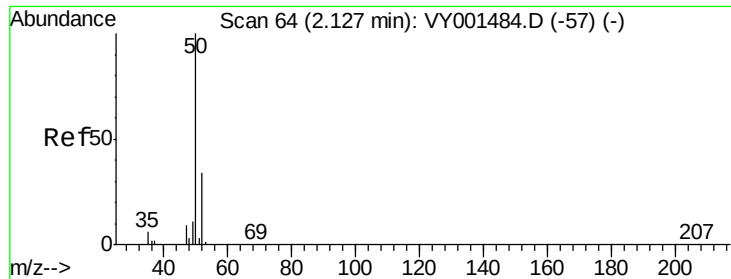
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 51.167 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124915

Ion Ratio Lower Upper

50 100

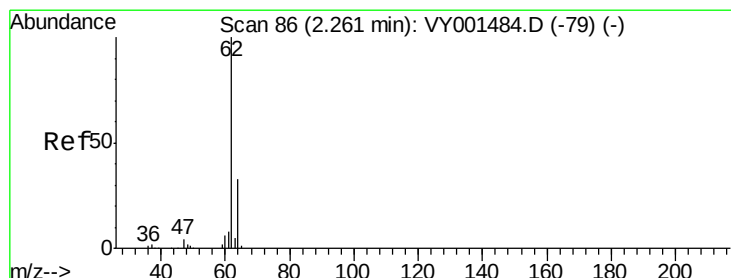
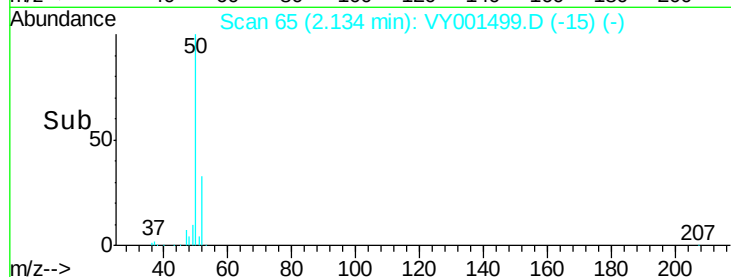
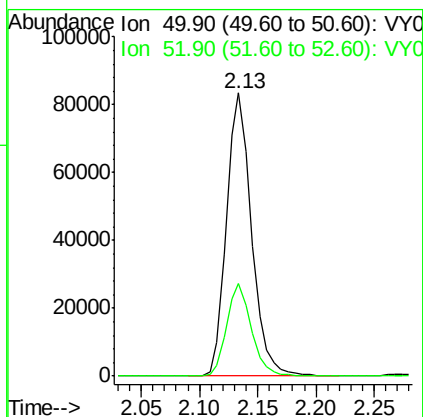
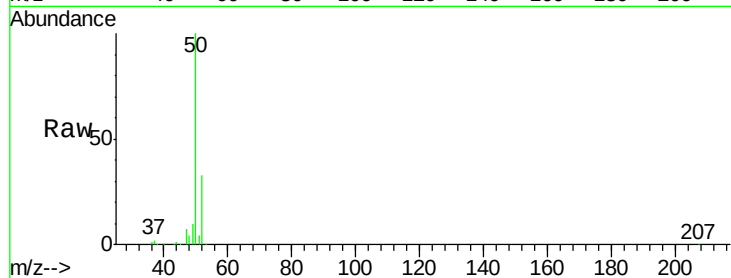
52 32.8 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.881 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001499.D

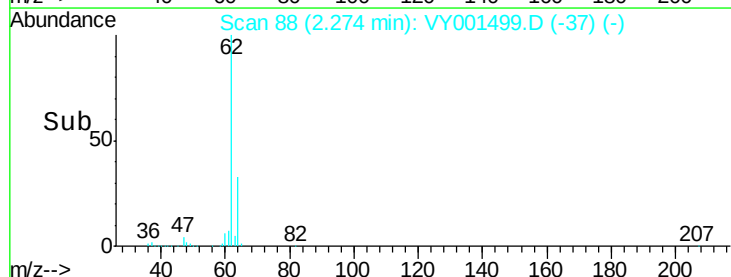
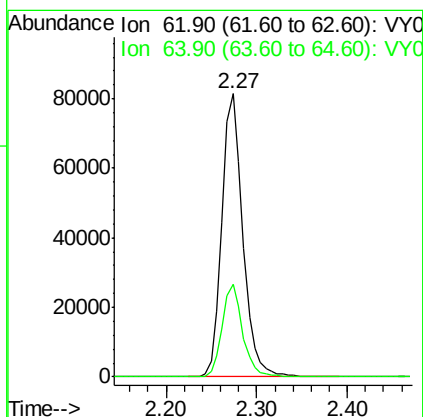
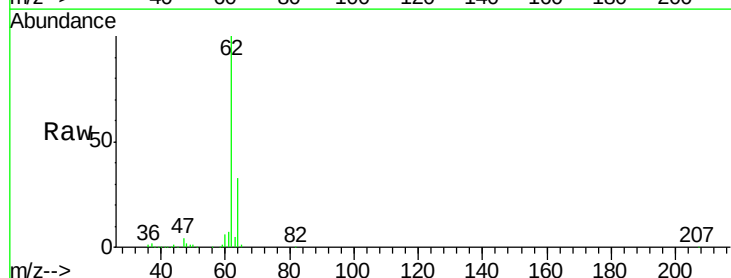
Acq: 05 Feb 2020 10:43

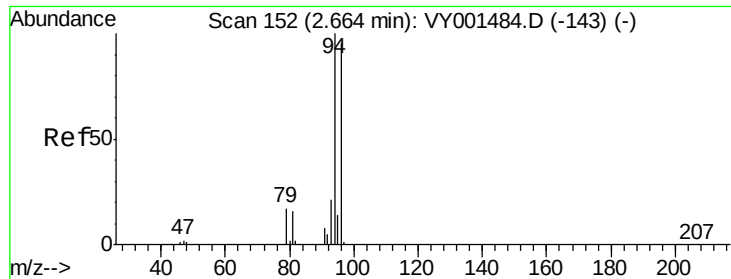
Tgt Ion: 62 Resp: 131515

Ion Ratio Lower Upper

62 100

64 32.8 26.4 39.6





#5

Bromomethane

Concen: 50.993 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81295

Ion Ratio Lower Upper

94 100

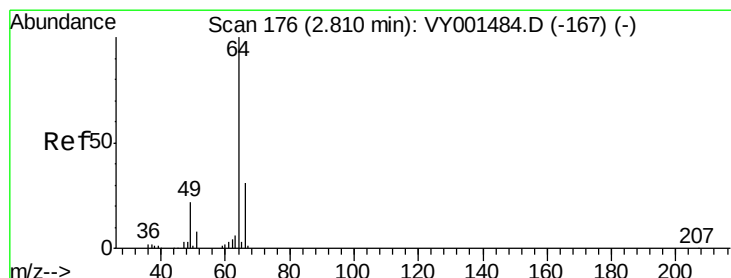
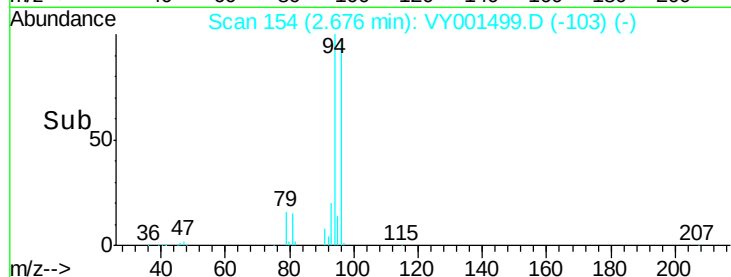
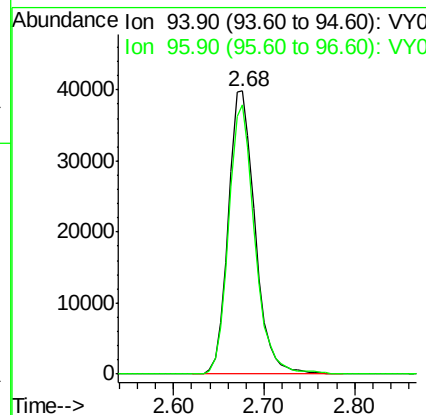
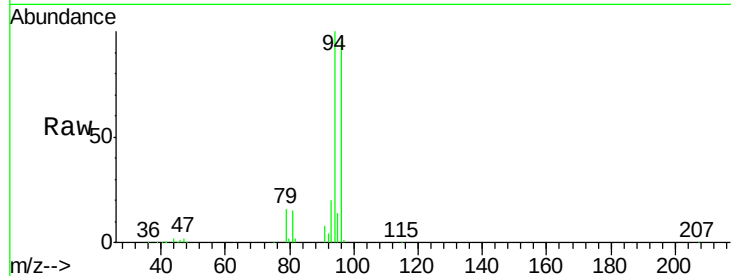
96 95.3 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 49.706 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001499.D

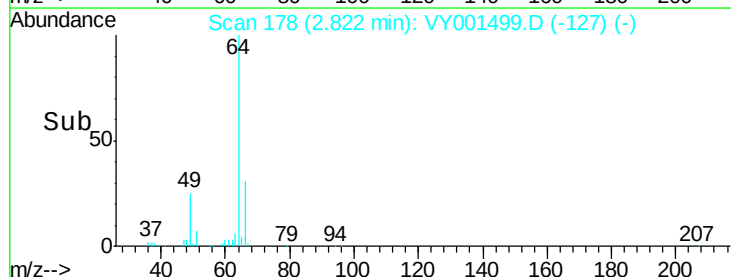
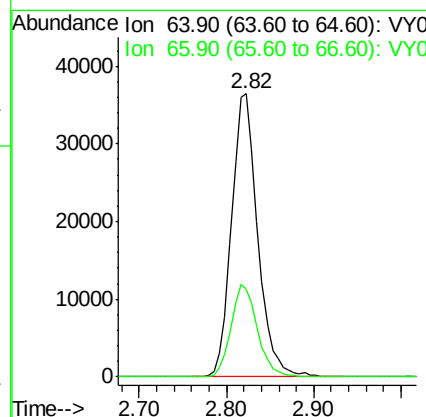
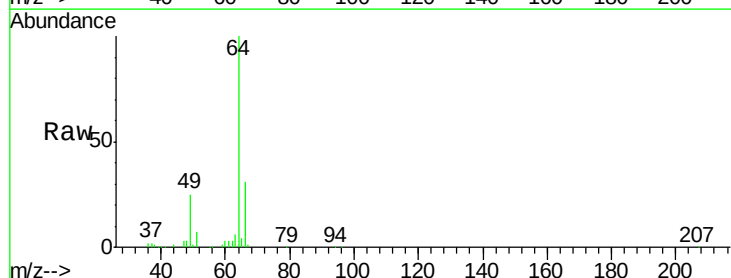
Acq: 05 Feb 2020 10:43

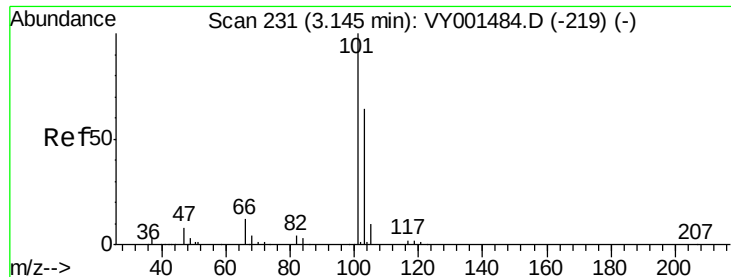
Tgt Ion: 64 Resp: 75950

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7





#7

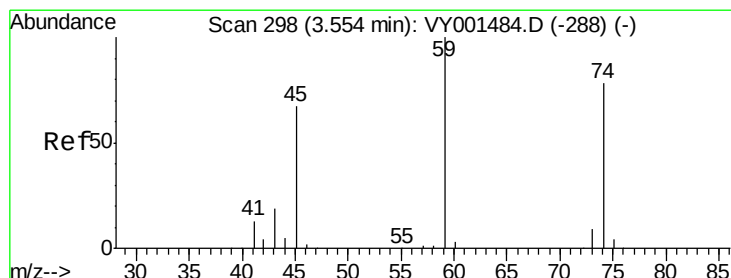
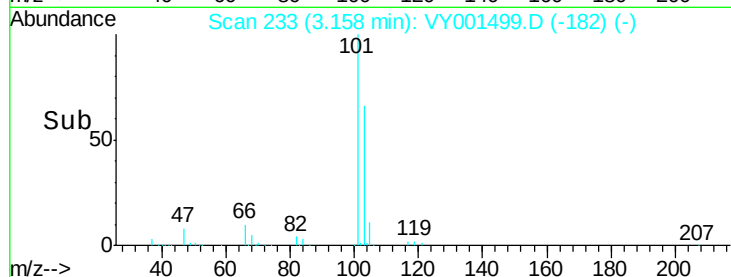
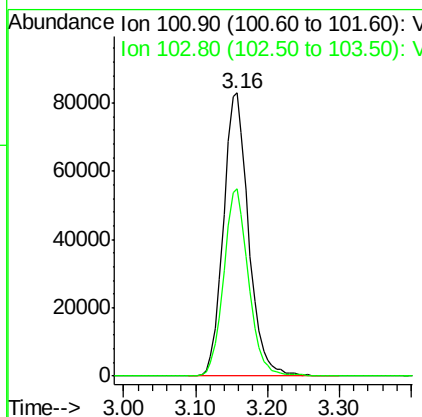
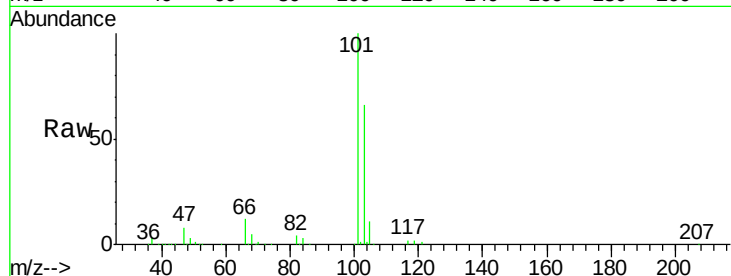
Trichlorofluoromethane
Concen: 48.055 ug/l
RT: 3.16 min Scan# 233
Delta R.T. 0.01 min
Lab File: VY001499.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.9	76.3

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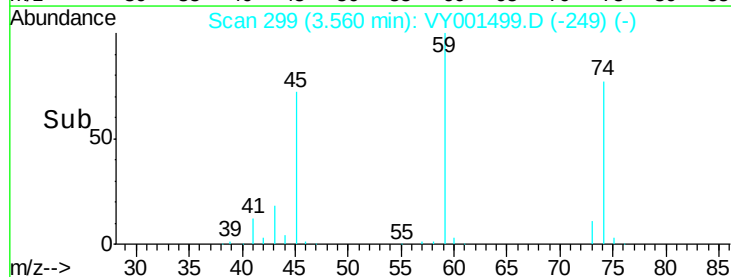
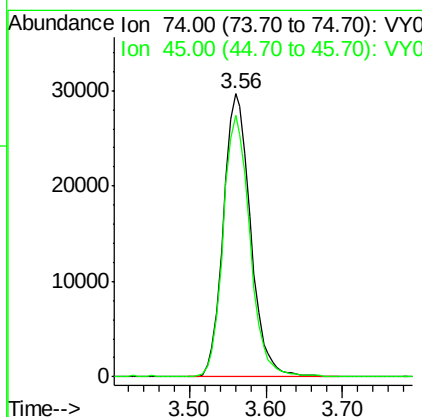
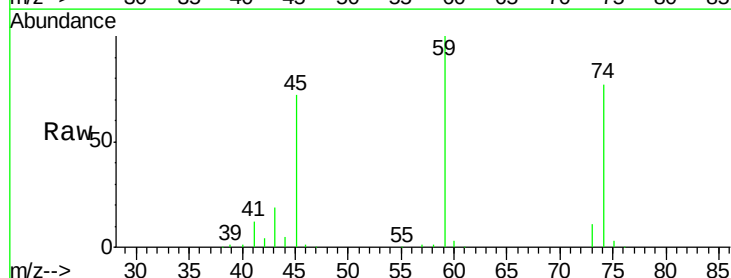
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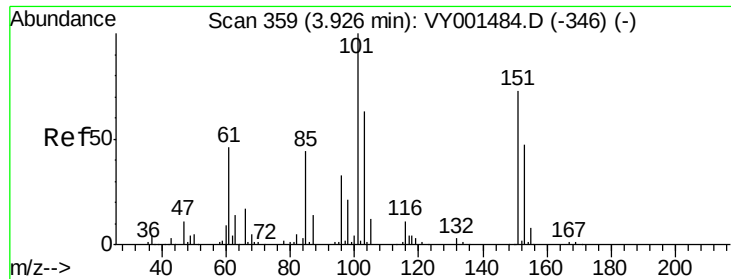


#8

Diethyl Ether
Concen: 51.469 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.137 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001499.D

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MSVOA_Y

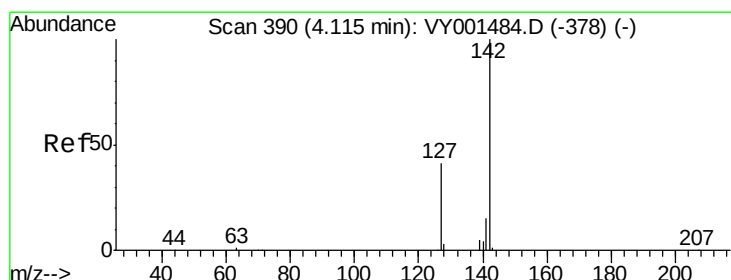
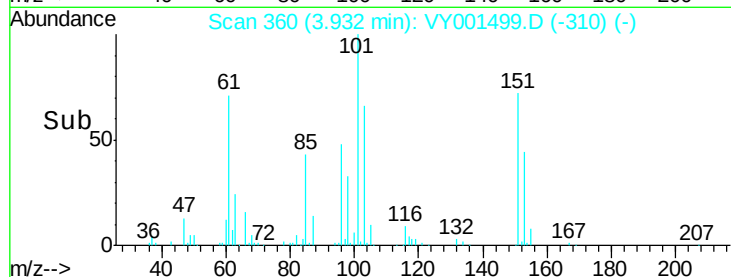
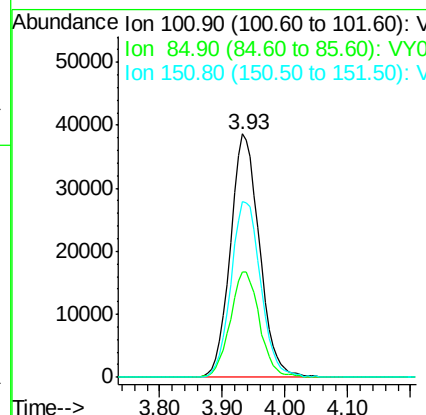
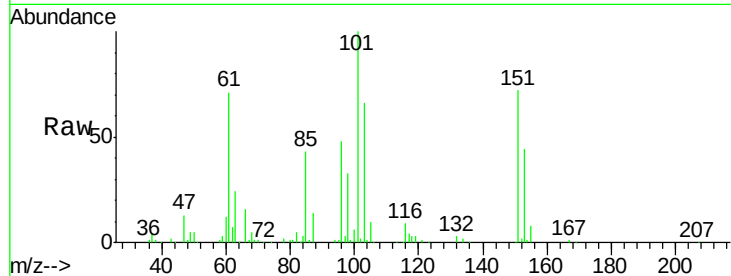
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124055
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.6	51.8
151	74.1	60.3	90.5

Manual Integrations
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MMDadoda
2/6/2020 12:46:50 PM



#10

Methyl Iodide

Concen: 48.602 ug/l

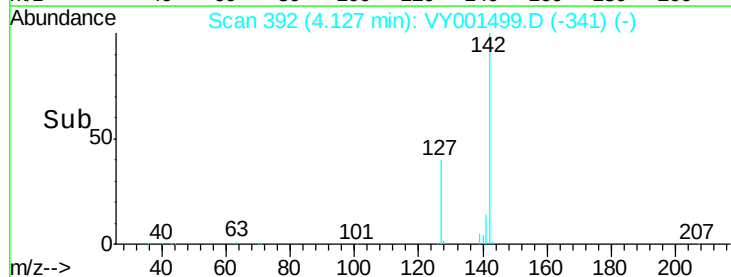
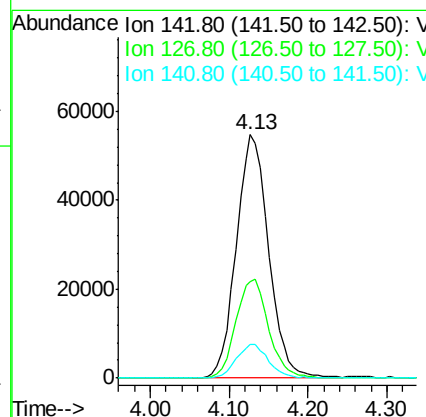
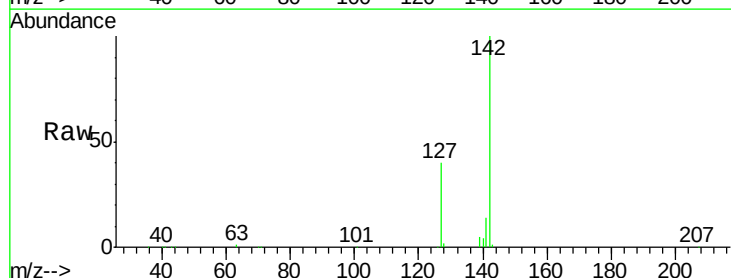
RT: 4.13 min Scan# 392

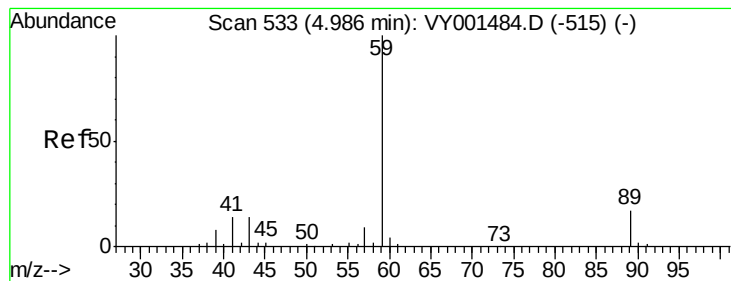
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	142	Resp:	156348
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.3	49.9
141	13.8	11.5	17.3





#11

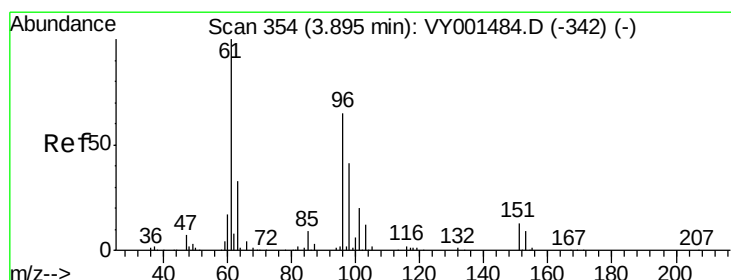
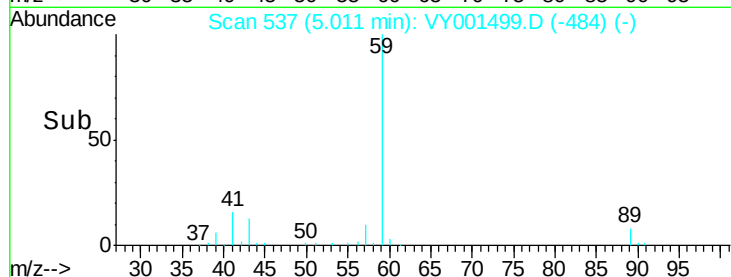
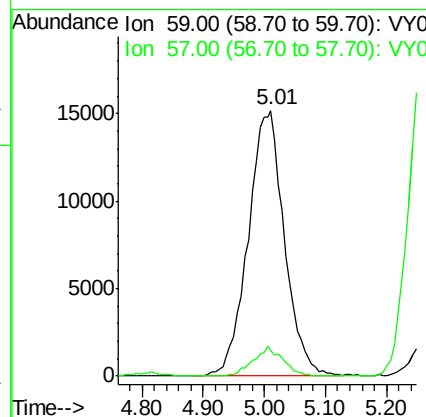
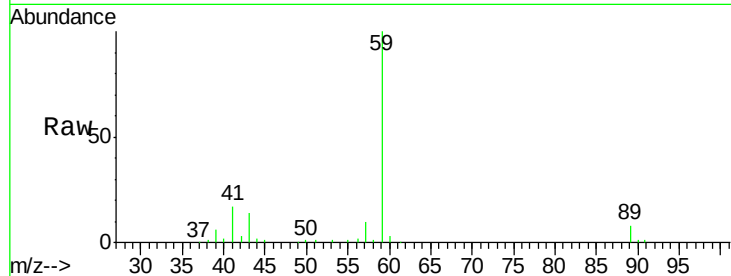
Tert butyl alcohol
 Concen: 228.248 ug/l
 RT: 5.01 min Scan# 537
 Delta R.T. 0.03 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.0	10.6

Manual Integrations
 APPROVED

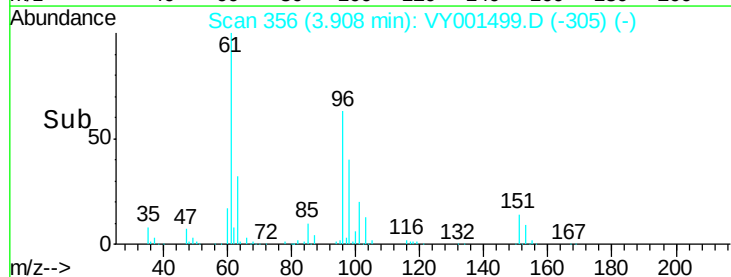
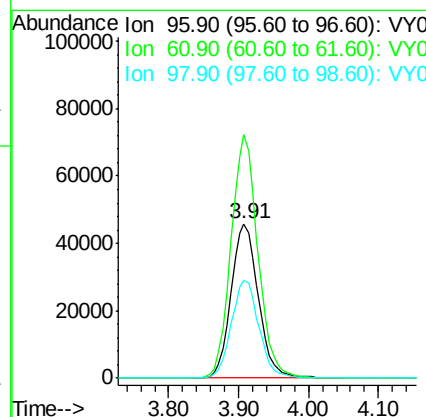
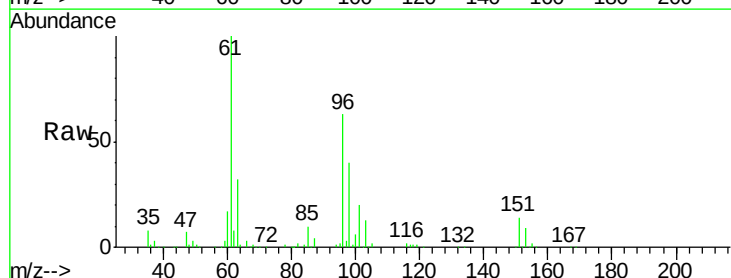
MMDadoda
 2/6/2020 12:46:50 PM

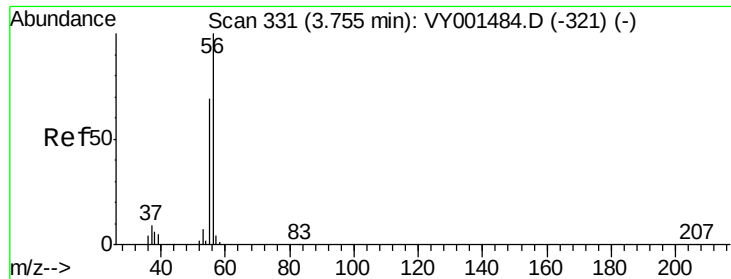


#12

1,1-Dichloroethene
 Concen: 49.205 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	122.3	183.5
98	63.8	49.7	74.5





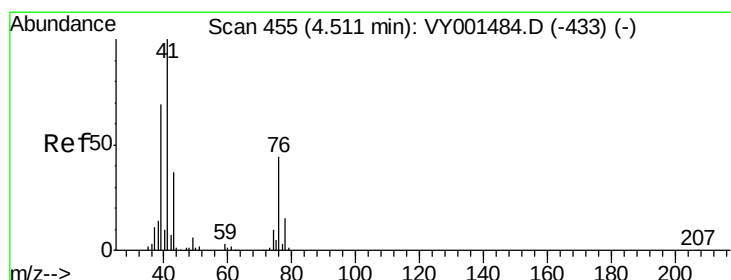
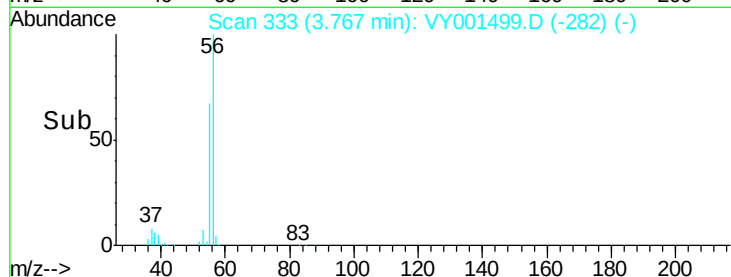
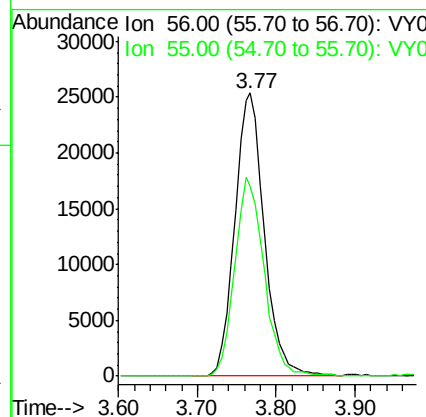
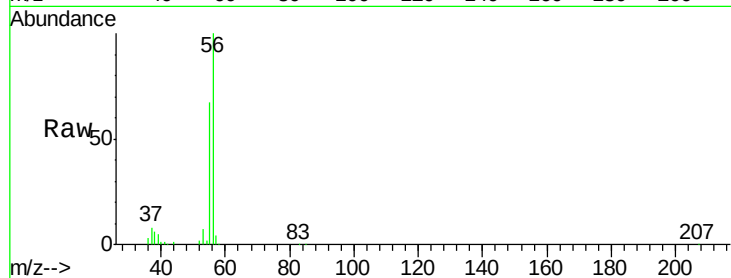
#13
Acrolein
Concen: 289.226 ug/l
RT: 3.77 min Scan# 333
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

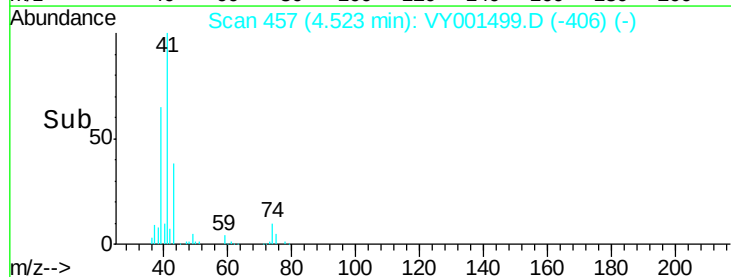
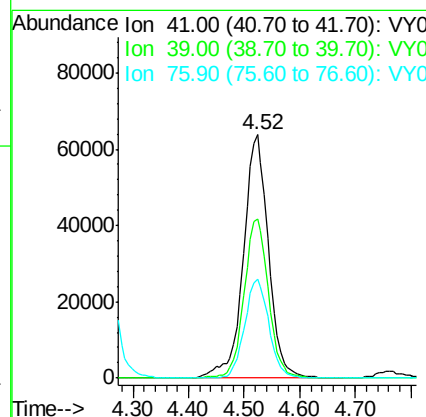
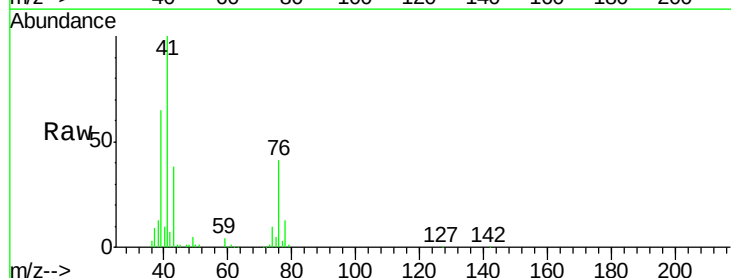
Manual Integrations
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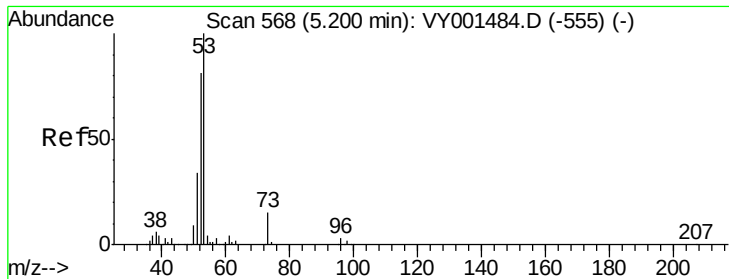
MMDadoda
2/6/2020 12:46:50 PM



#14
Allyl chloride
Concen: 51.966 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	53.0	79.6
76	39.2	32.6	48.8





#15

Acrylonitrile

Concen: 264.719 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

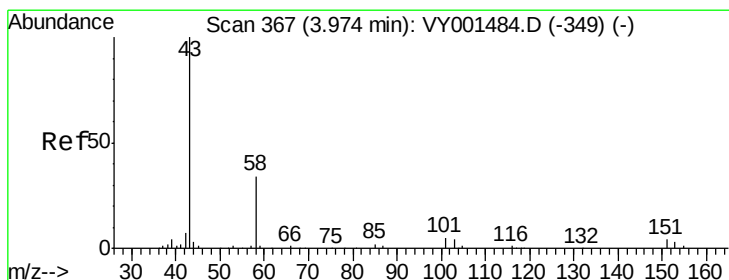
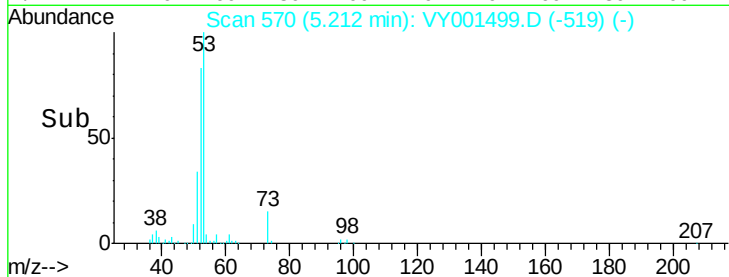
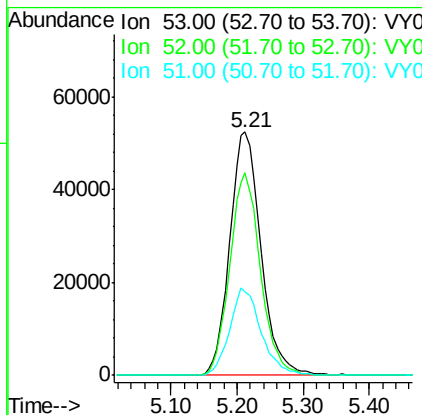
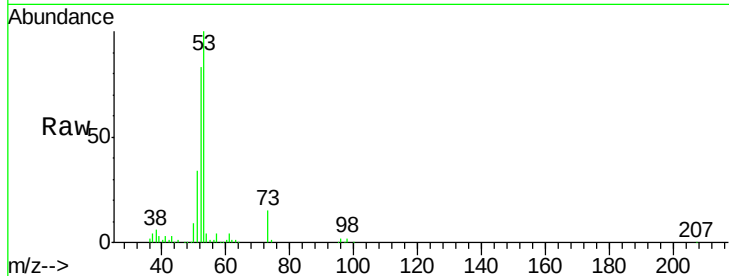
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	171834
Ion Ratio		Lower	Upper
53	100		
52	81.6	65.4	98.2
51	36.2	29.0	43.4

Manual Integrations
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2/6/2020 12:46:50 PM



#16

Acetone

Concen: 286.741 ug/l

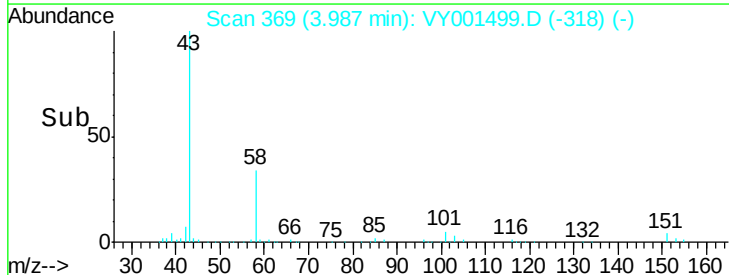
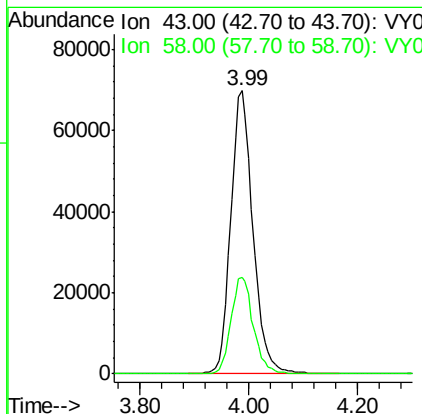
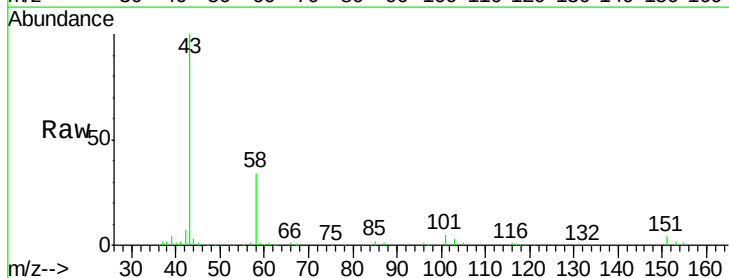
RT: 3.99 min Scan# 369

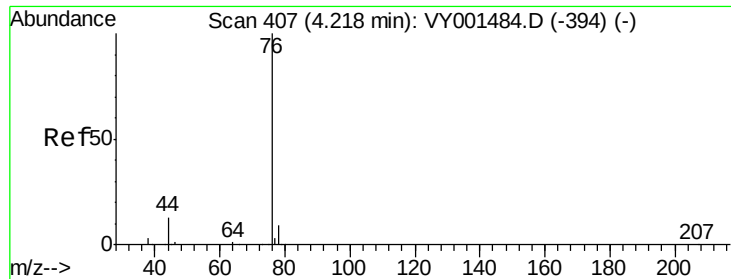
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	43	Resp:	199277
Ion Ratio		Lower	Upper
43	100		
58	34.1	27.5	41.3





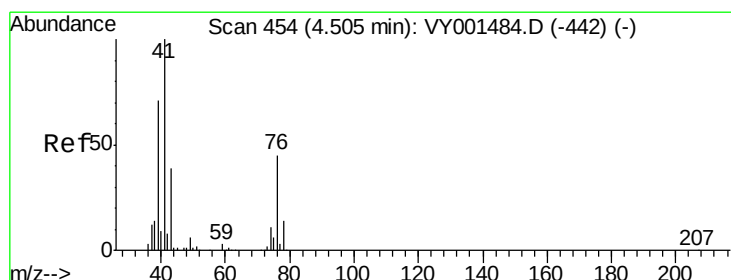
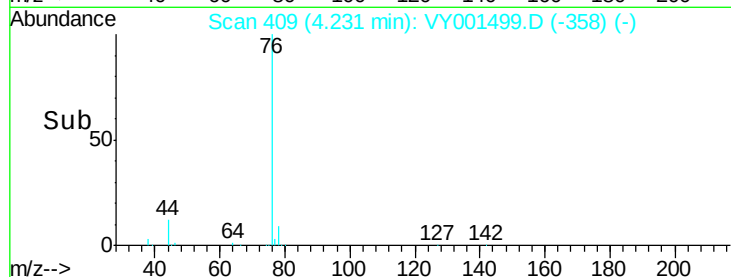
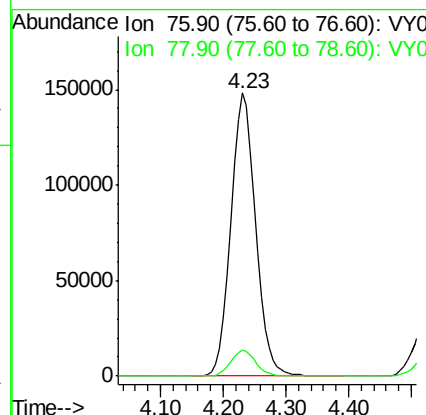
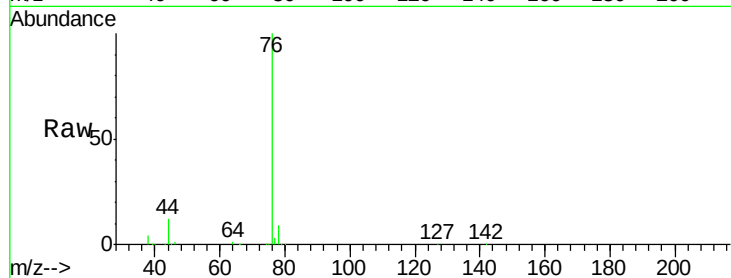
#17
Carbon Disulfide
Concen: 50.698 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

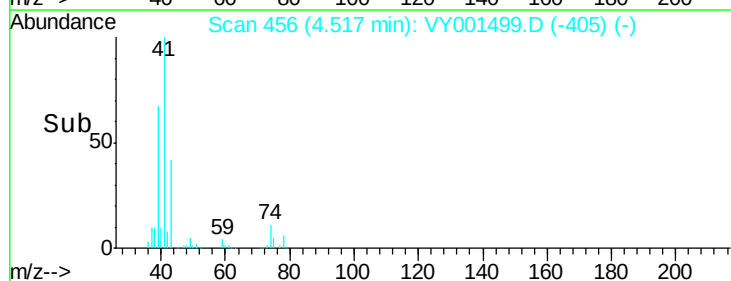
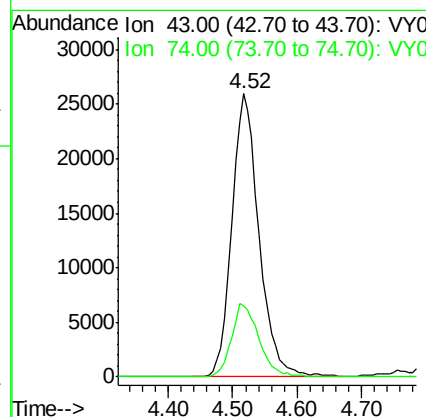
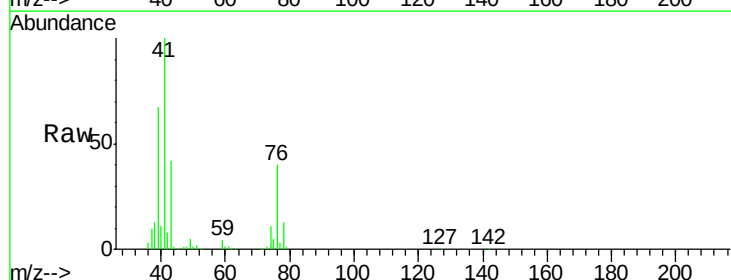
Manual Integrations
APPROVED

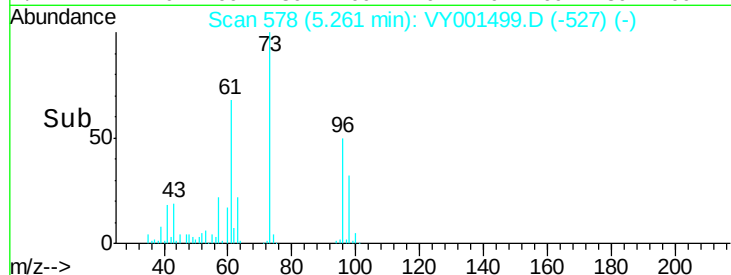
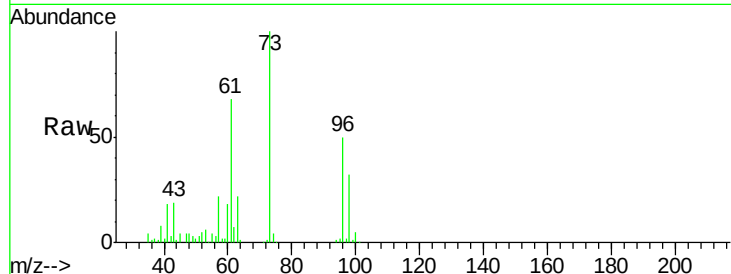
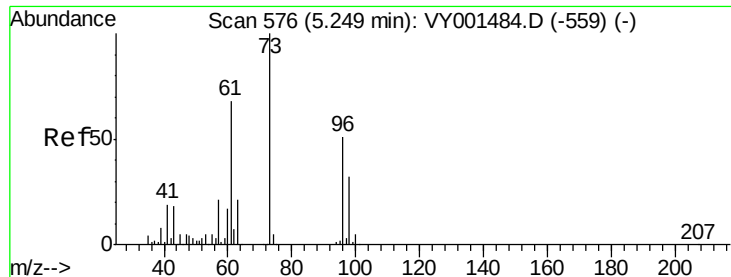
MMDadoda
2/6/2020 12:46:50 PM



#18
Methyl Acetate
Concen: 51.647 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.0	31.6





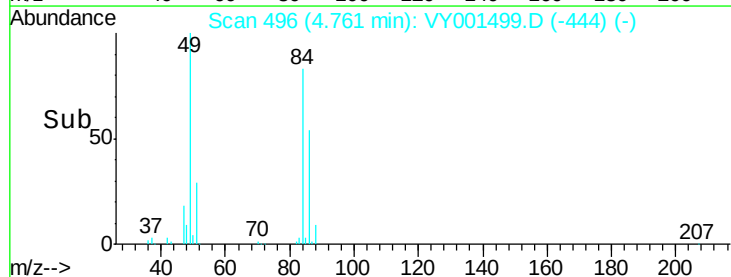
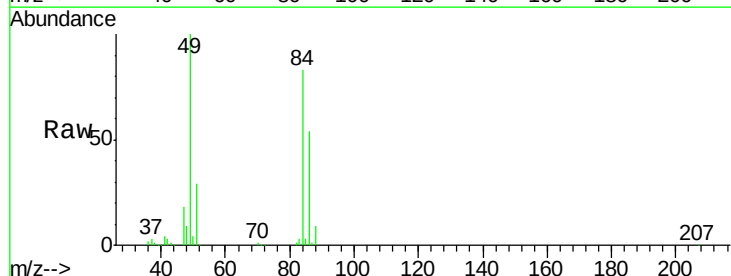
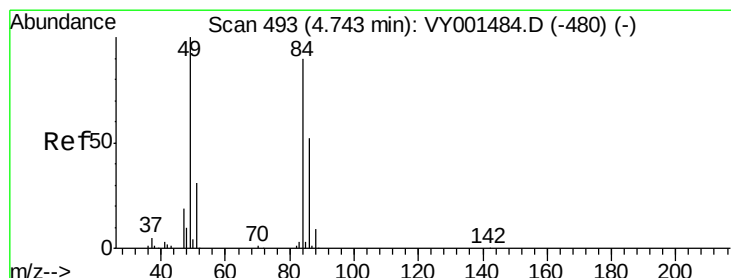
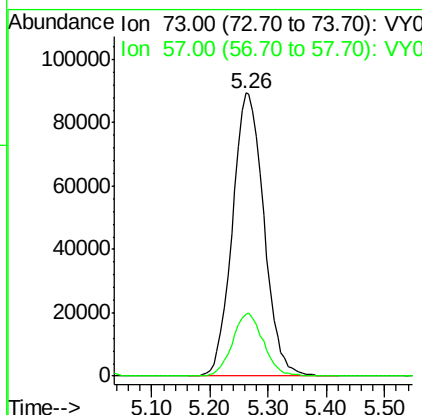
#19
Methyl tert-butyl Ether
Concen: 50.213 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tot Ion: 73 Resp: 335010
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

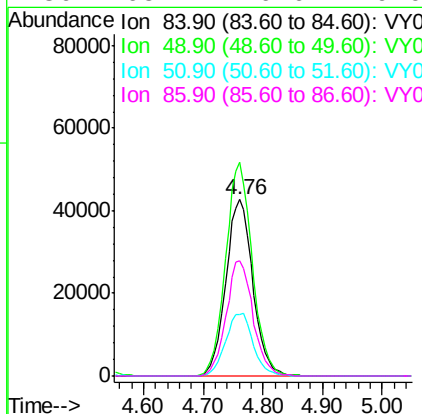
Manual Integrations
APPROVED

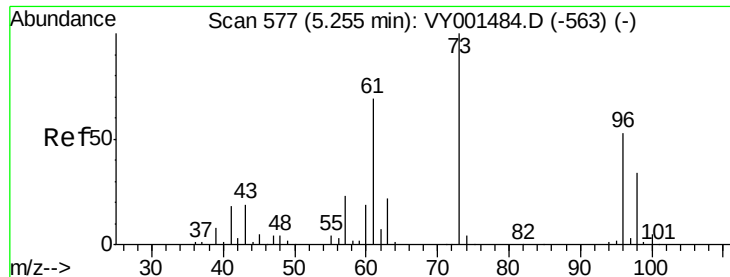
MMDadoda
2/6/2020 12:46:50 PM



#20
Methylene Chloride
Concen: 49.407 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion: 84 Resp: 134598
Ion Ratio Lower Upper
84 100
49 121.1 89.0 133.6
51 34.5 27.4 41.2
86 65.4 46.6 70.0





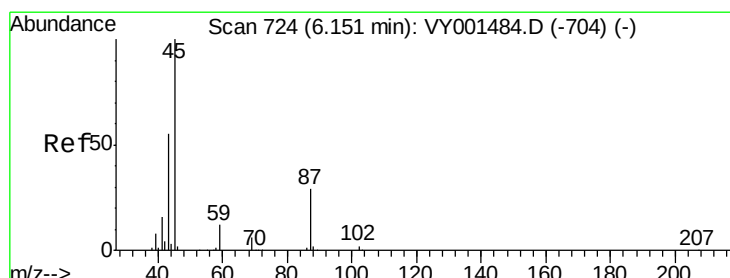
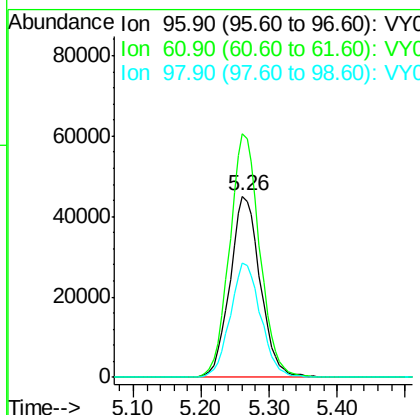
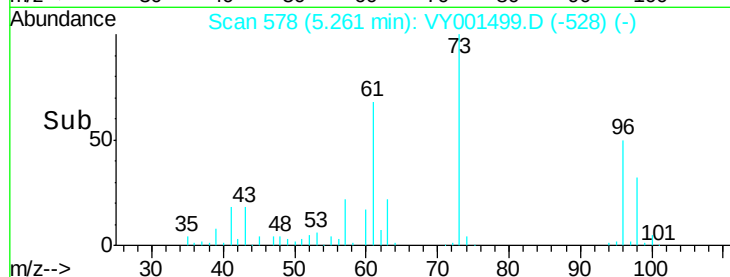
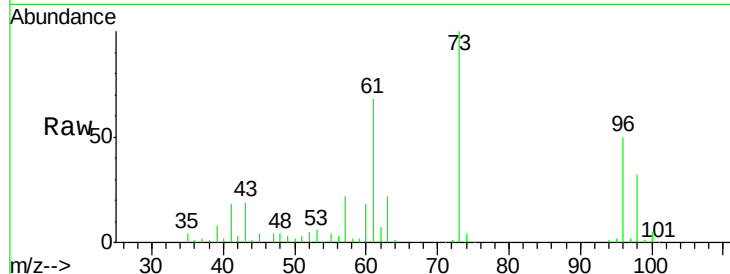
#21
trans-1,2-Dichloroethene
Concen: 49.775 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	104.2	156.4
98	63.0	51.4	77.0

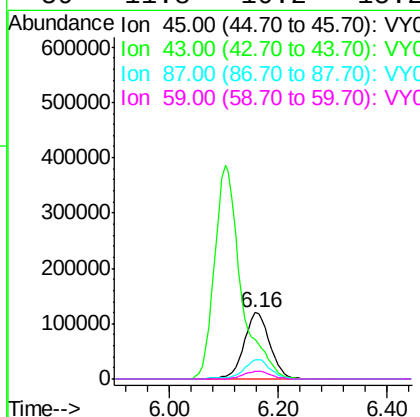
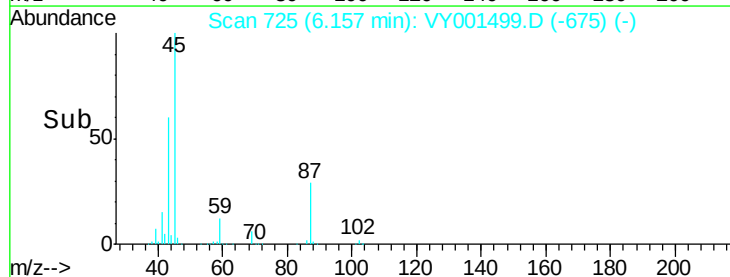
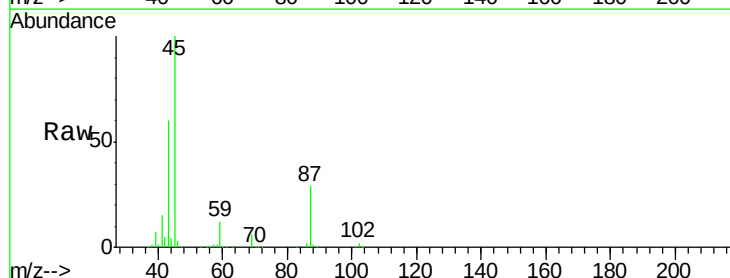
Manual Integrations
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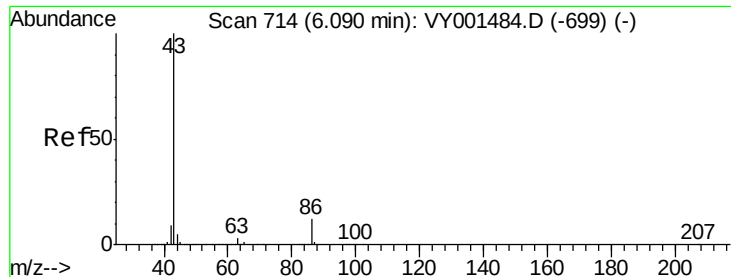
MMDadoda
2/6/2020 12:46:50 PM



#22
Diisopropyl ether
Concen: 52.039 ug/l
RT: 6.16 min Scan# 725
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	44.2	66.4
87	28.8	23.9	35.9
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 268.185 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1298129

Ion Ratio Lower Upper

43 100

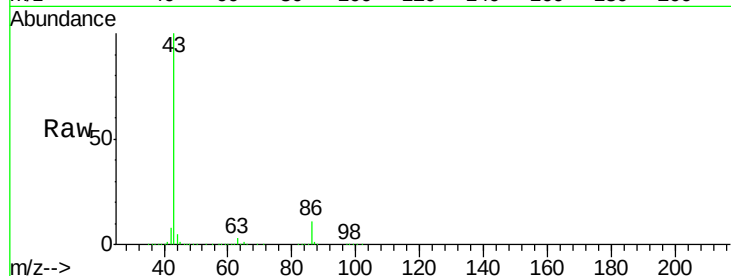
86 11.4 9.8 14.8

Manual Integrations

APPROVED

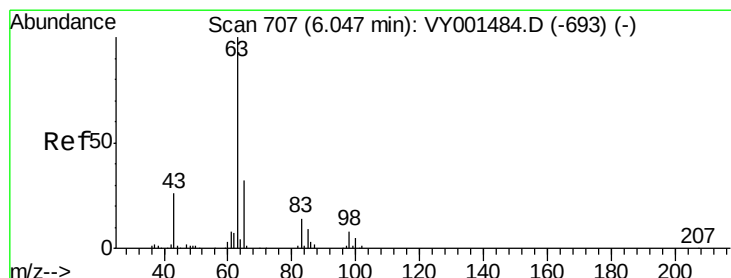
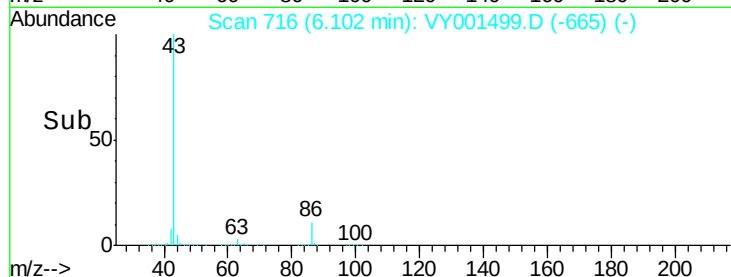
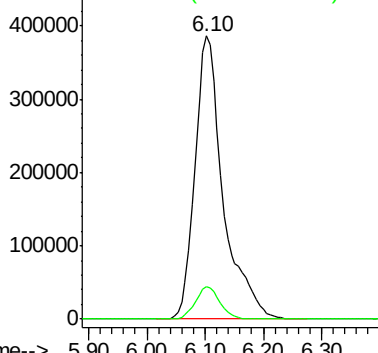
MMDadoda

2/6/2020 12:46:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 50.136 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

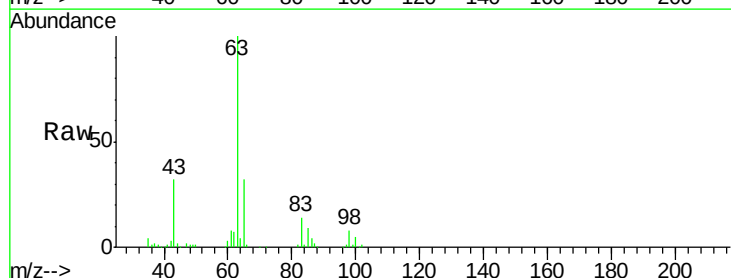
Tgt Ion: 63 Resp: 229302

Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

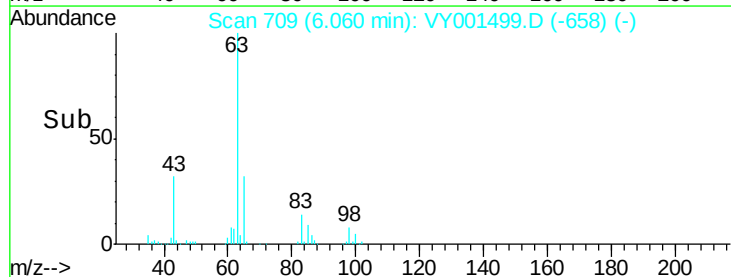
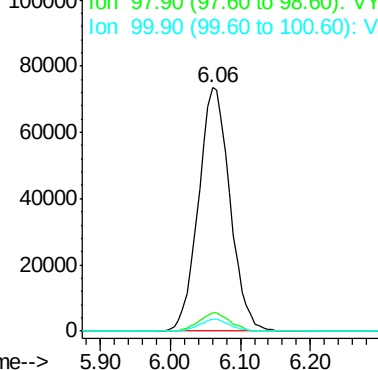
100 4.8 2.6 8.0

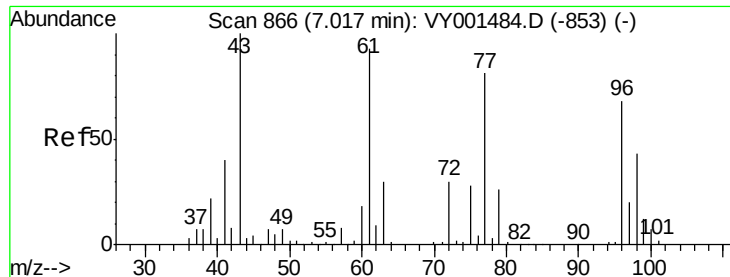


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 280.864 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 253232

Ion Ratio Lower Upper

43 100

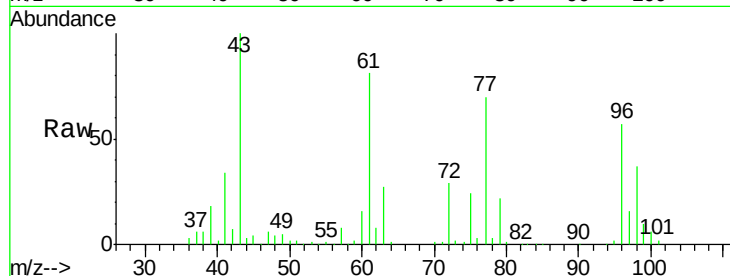
72 29.4 23.8 35.8

Manual Integrations

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MMDadoda

2/6/2020 12:46:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.03

100000

80000

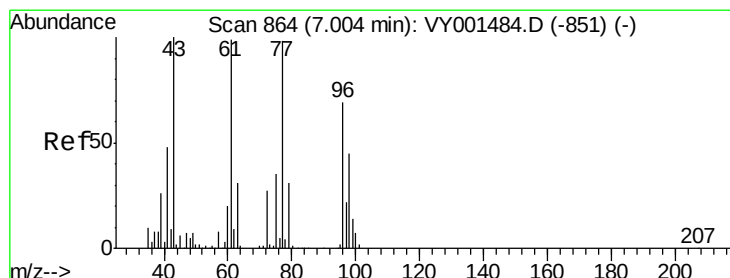
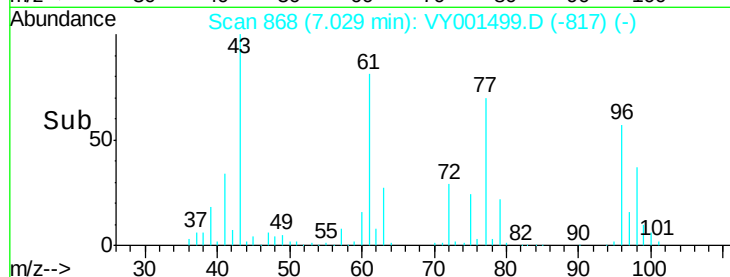
60000

40000

20000

0

Time--> 6.90 6.95 7.00 7.05 7.10



#26

2,2-Dichloropropane

Concen: 48.819 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001499.D

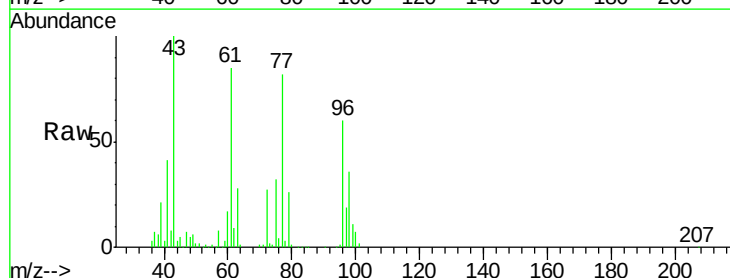
Acq: 05 Feb 2020 10:43

Tgt Ion: 77 Resp: 213691

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.02

80000

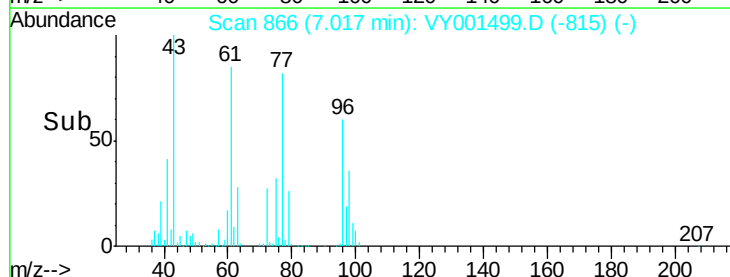
60000

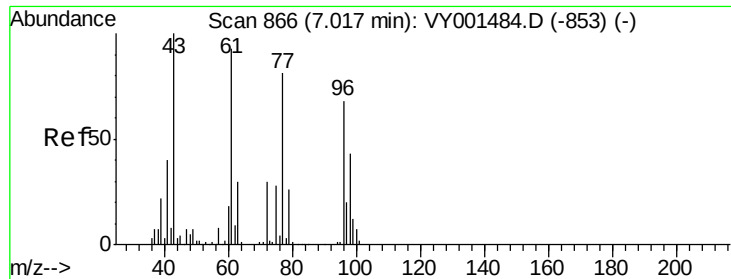
40000

20000

0

Time--> 6.90 7.00 7.10 7.20





#27

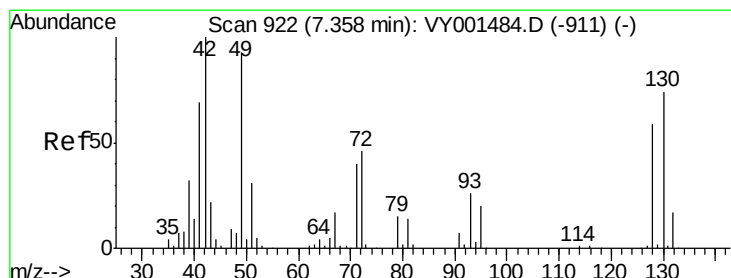
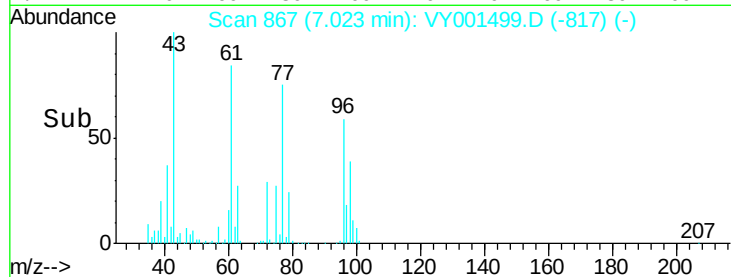
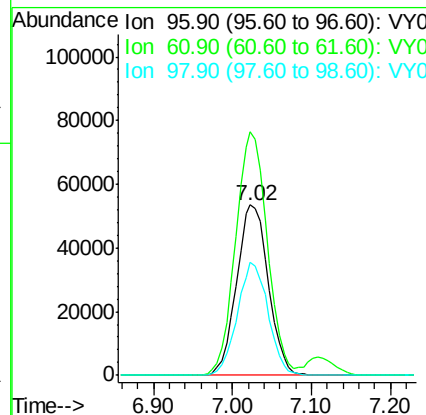
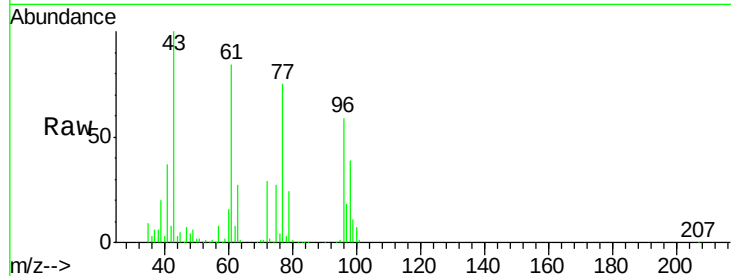
cis-1,2-Dichloroethene
Concen: 49.151 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149725		
61	142.0		0.0	278.8
98	64.3		0.0	128.8

Manual Integrations
APPROVED

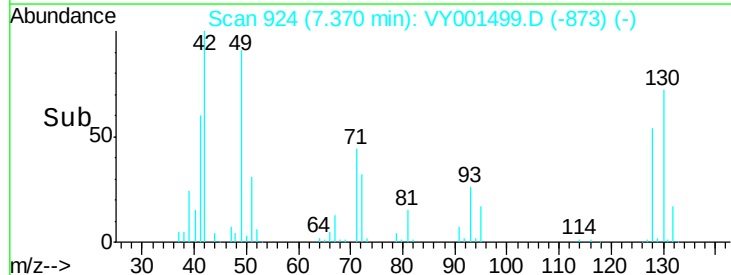
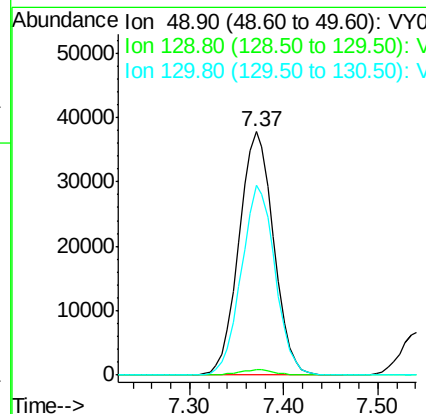
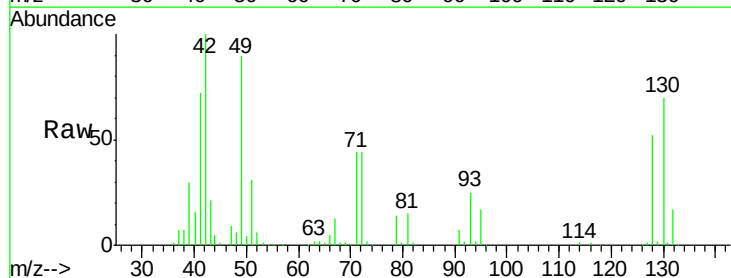
MMDadoda
2/6/2020 12:46:50 PM

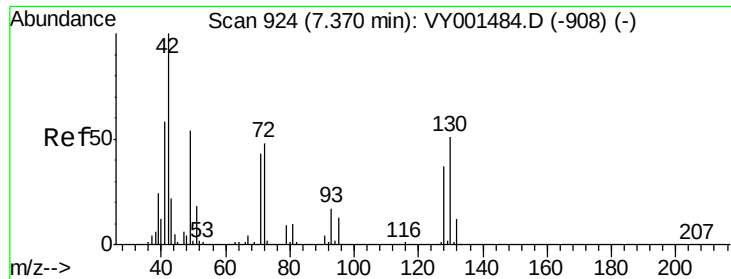


#28

Bromochloromethane
Concen: 62.200 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	96910		
129	2.1		0.0	4.8
130	76.1		65.4	98.2





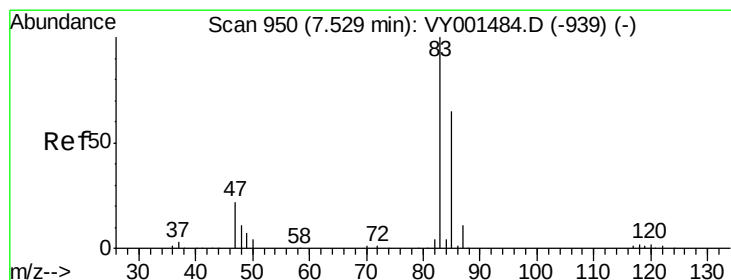
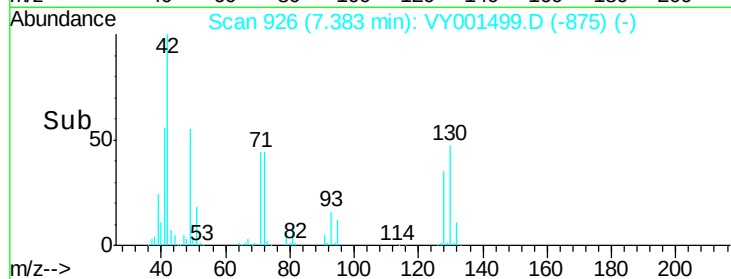
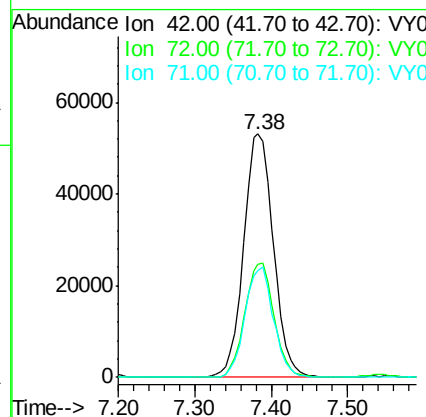
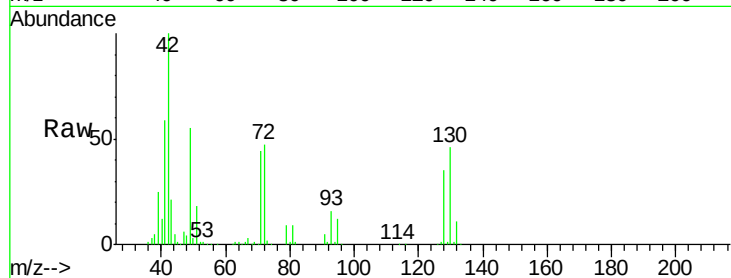
#29
Tetrahydrofuran
Concen: 265.957 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.8	56.6
71	43.3	34.8	52.2

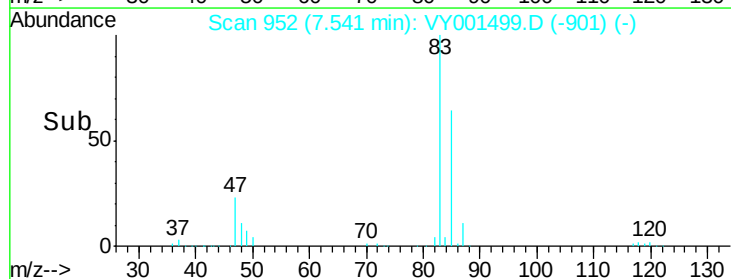
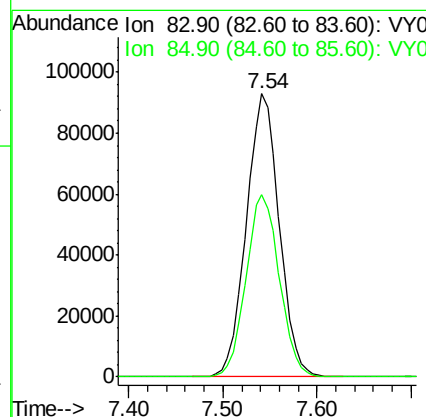
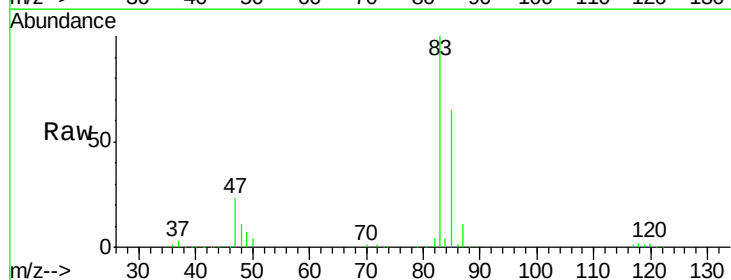
Manual Integrations
APPROVED

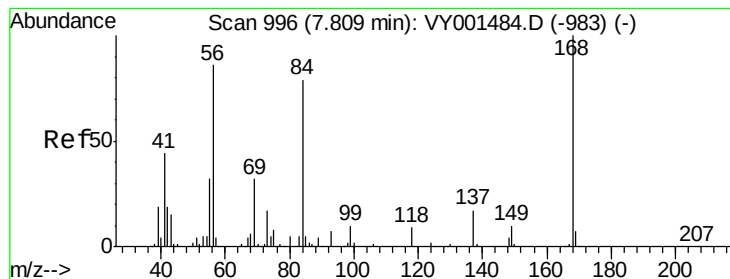
MMDadoda
2/6/2020 12:46:50 PM



#30
Chloroform
Concen: 49.000 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





#31

Cyclohexane

Concen: 49.240 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

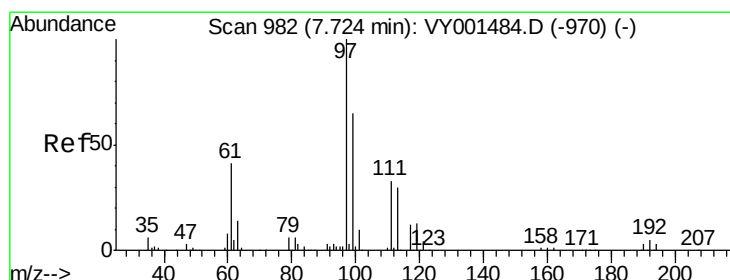
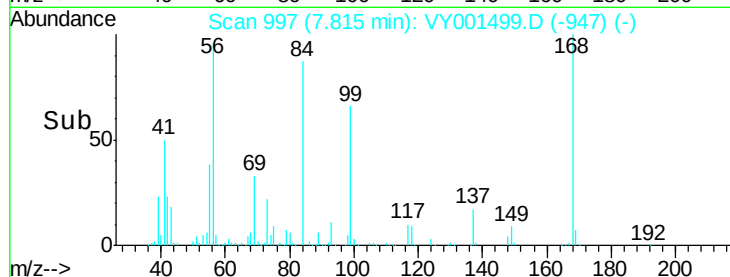
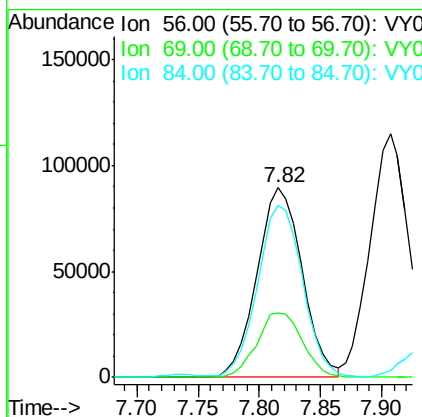
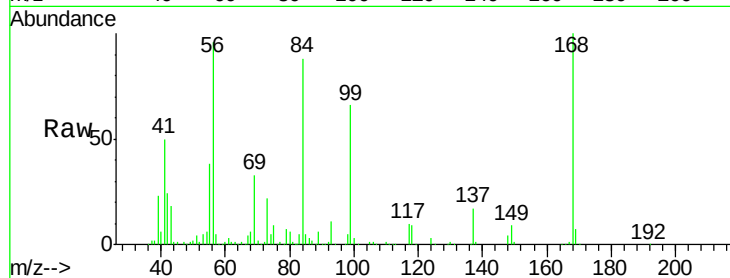
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	230364
Ion Ratio		Lower	Upper
56	100		
69	34.3	29.6	44.4
84	89.8	73.6	110.4

Manual Integrations
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2/6/2020 12:46:50 PM



#32

1,1,1-Trichloroethane

Concen: 48.739 ug/l

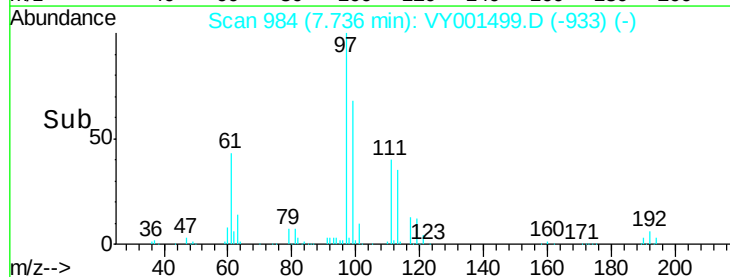
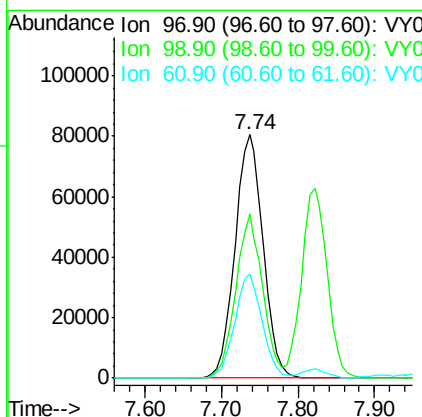
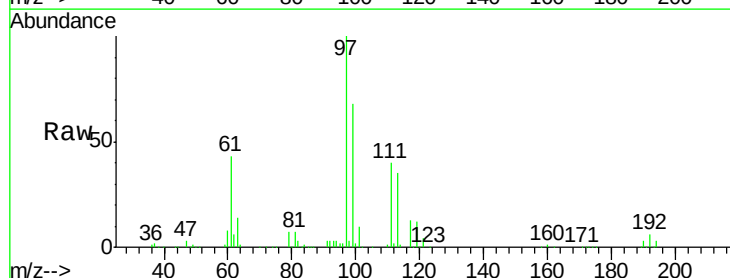
RT: 7.74 min Scan# 984

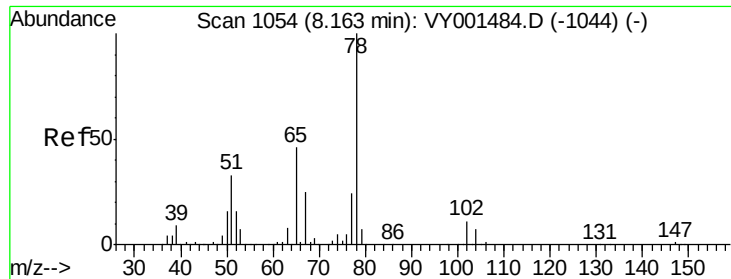
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	97	Resp:	204716
Ion Ratio		Lower	Upper
97	100		
99	64.1	51.8	77.8
61	41.7	32.5	48.7





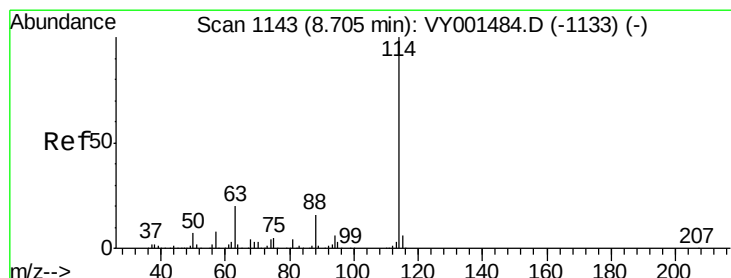
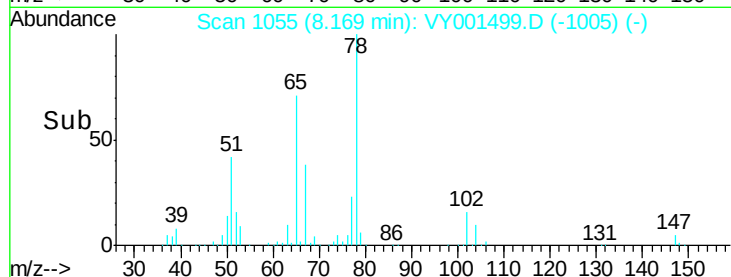
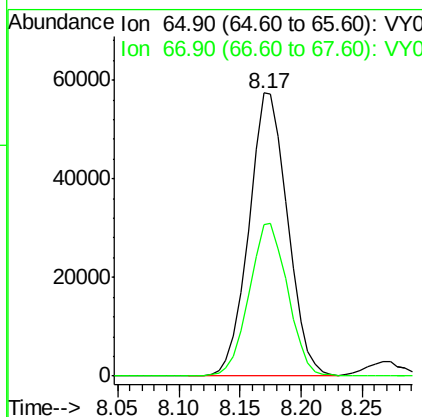
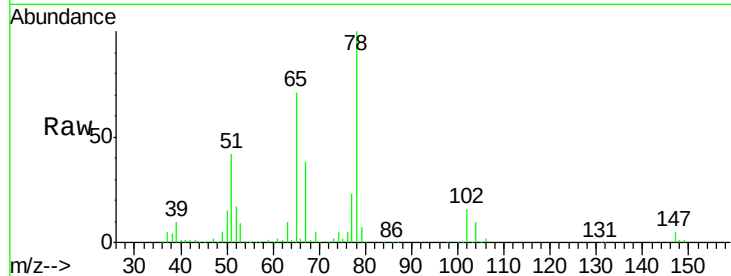
#33
 1,2-Dichloroethane-d4
 Concen: 52.664 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126530		
67	53.8	0.0	108.6	

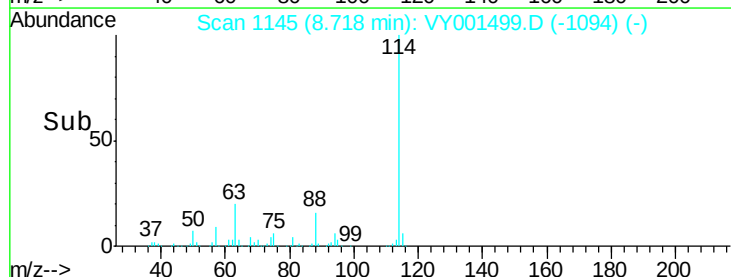
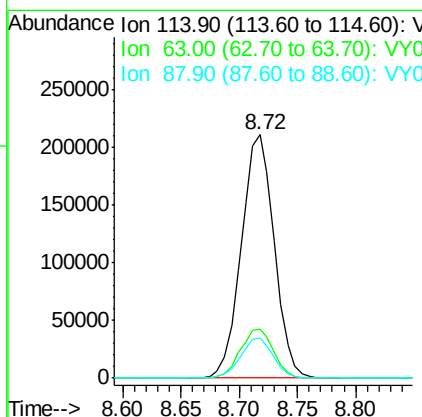
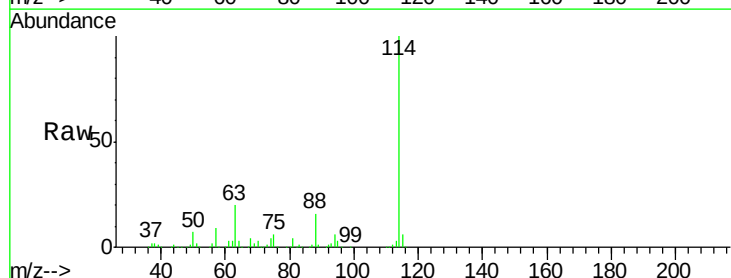
Manual Integrations
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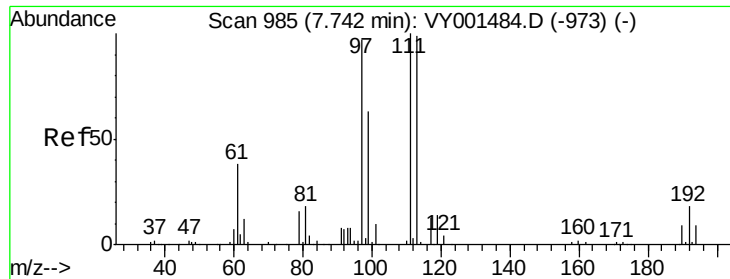
MMDadoda
 2/6/2020 12:46:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416378		
63	19.9	0.0	39.8	
88	16.5	0.0	32.6	





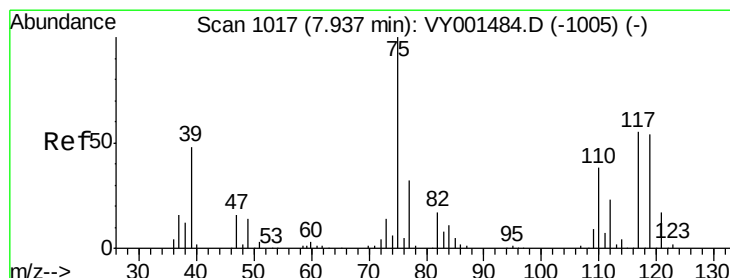
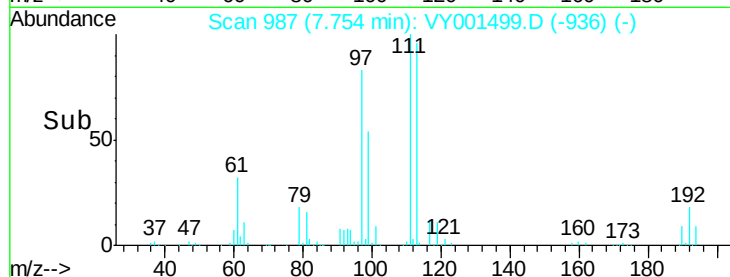
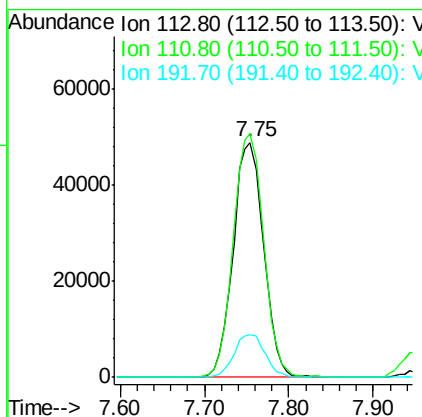
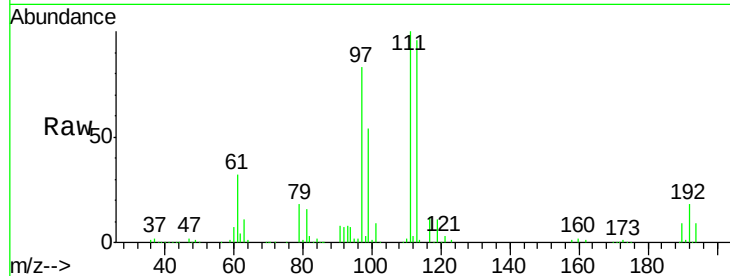
#35
 Dibromofluoromethane
 Concen: 49.624 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119150		
111	103.4	82.9	124.3	
192	18.5	14.6	22.0	

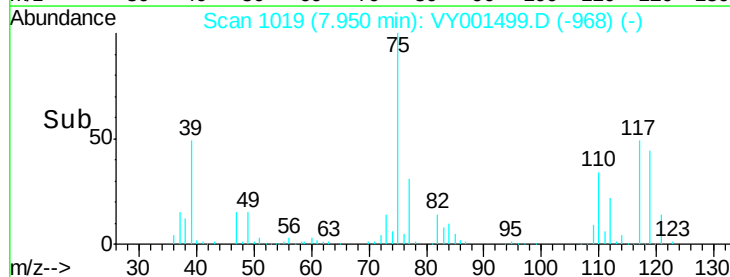
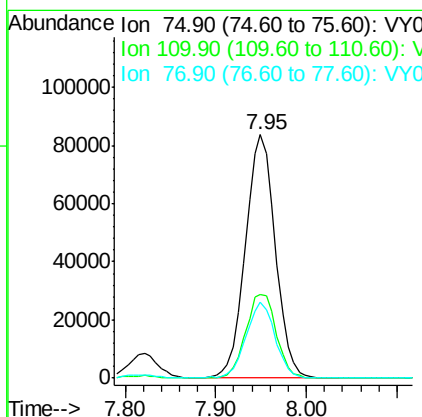
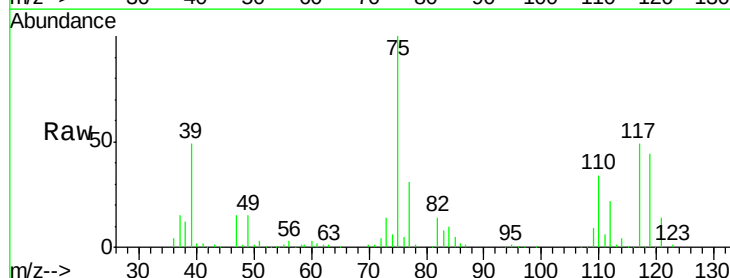
Manual Integrations
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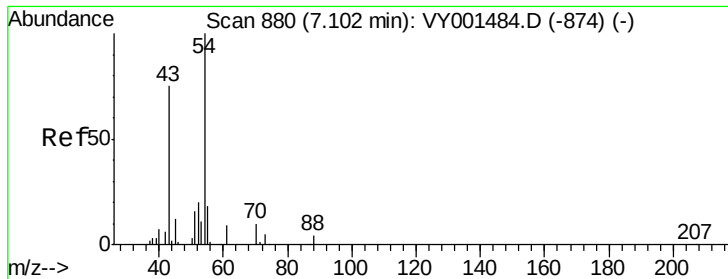
MMDadoda
 2/6/2020 12:46:50 PM



#36
 1,1-Dichloropropene
 Concen: 50.102 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190844		
110	35.3	18.2	54.6	
77	30.7	25.0	37.4	





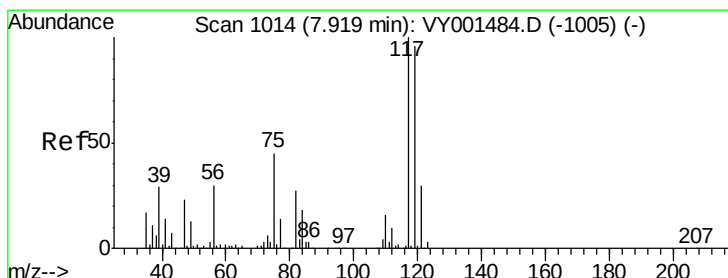
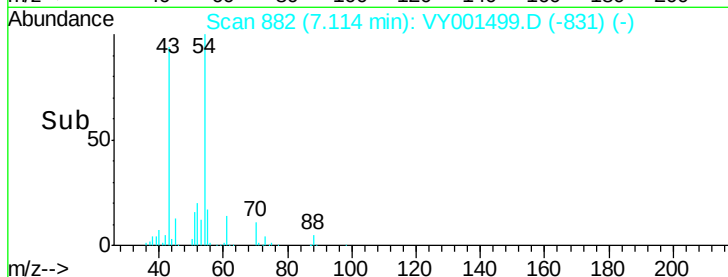
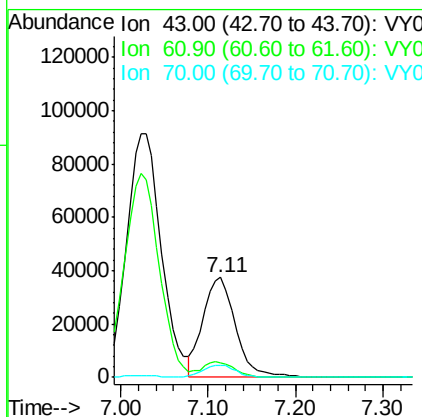
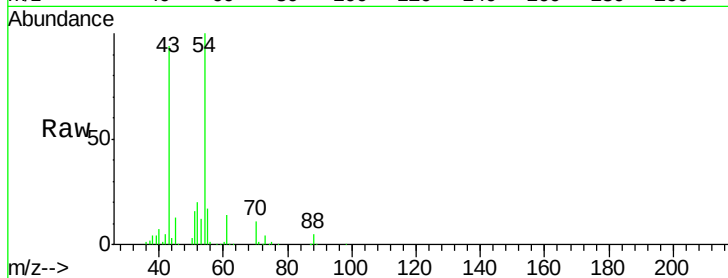
#37
Ethyl Acetate
Concen: 52.707 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.0	18.0
70	12.1	10.2	15.4

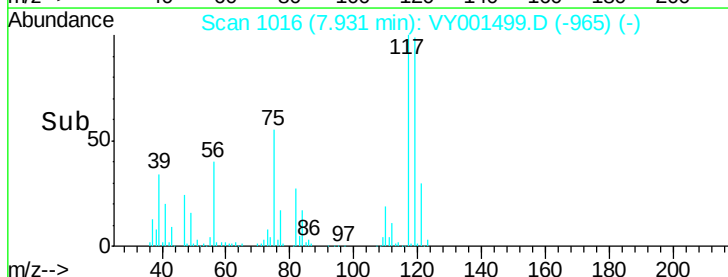
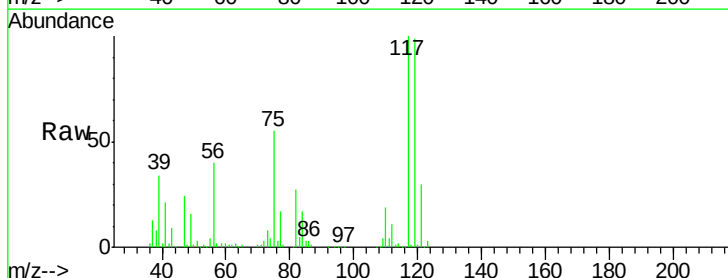
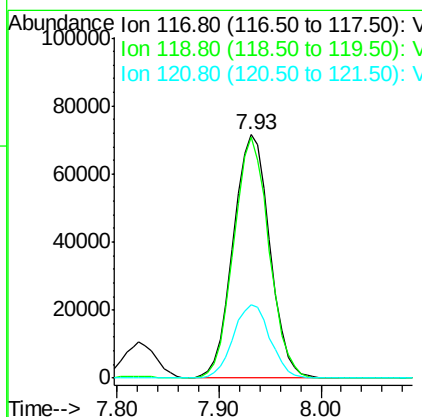
Manual Integrations
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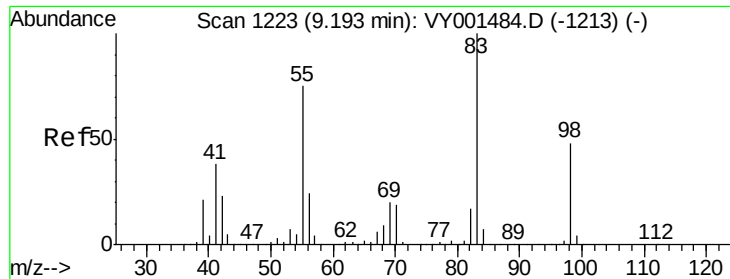
MMDadoda
2/6/2020 12:46:50 PM



#38
Carbon Tetrachloride
Concen: 48.307 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.4	114.6
121	30.3	24.2	36.4





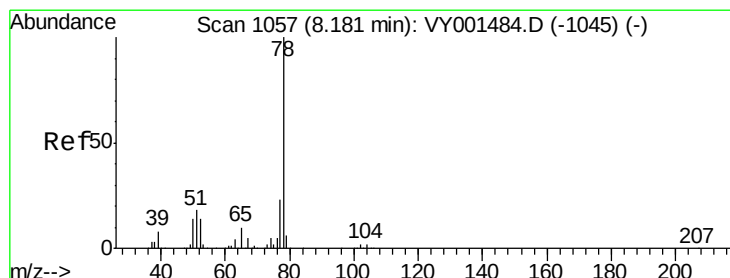
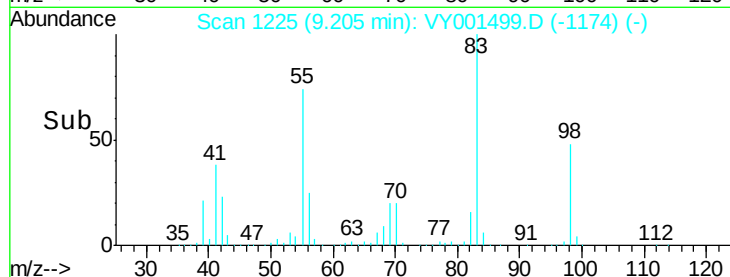
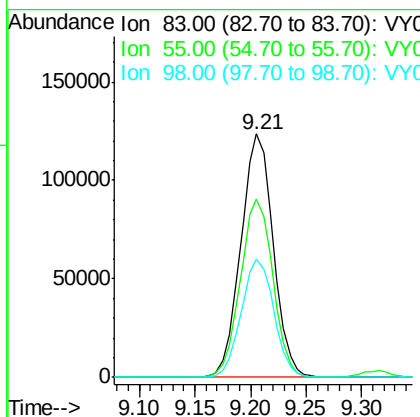
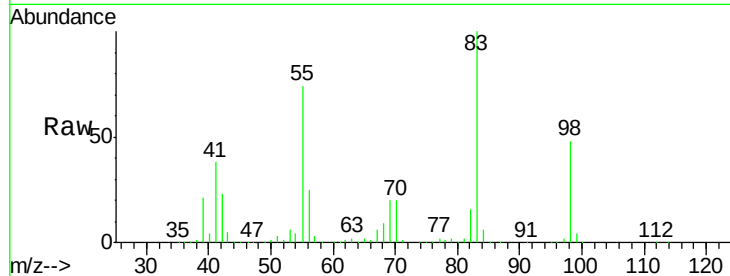
#39
Methylvlcyclohexane
Concen: 49.627 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248903		
55	73.5		59.8	89.6
98	48.4		38.6	57.8

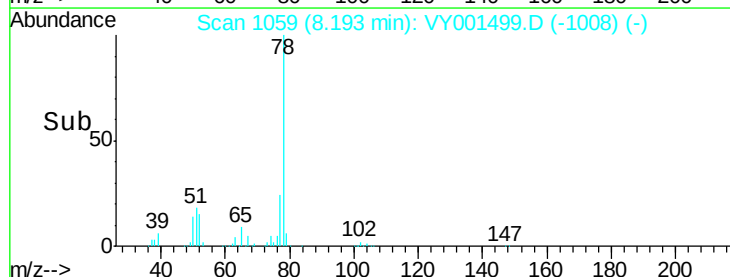
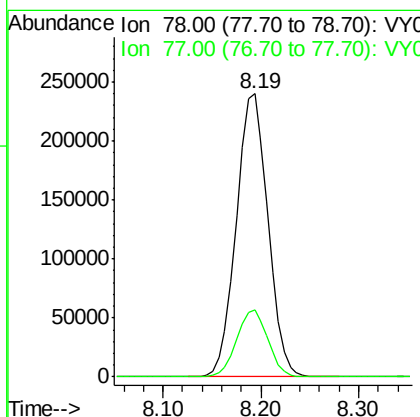
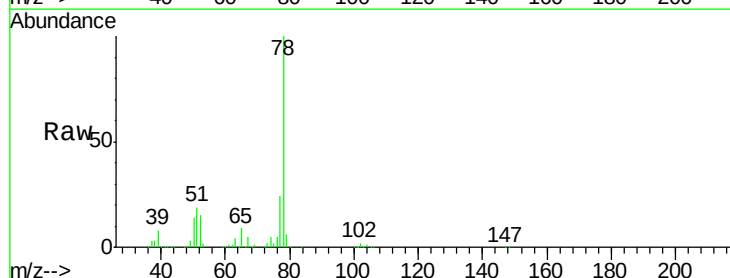
Manual Integrations
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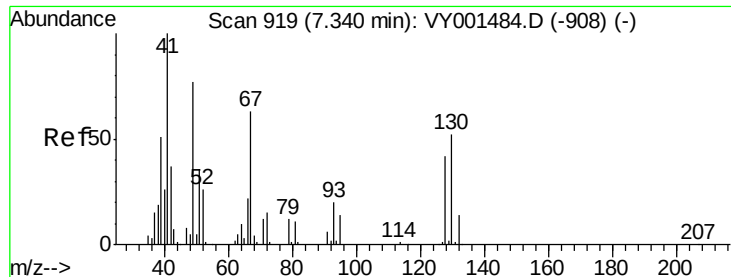
MMDadoda
2/6/2020 12:46:50 PM



#40
Benzene
Concen: 49.491 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	537703		
77	23.6		18.5	27.7





#41

Methacrylonitrile

Concen: 40.753 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 34828

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

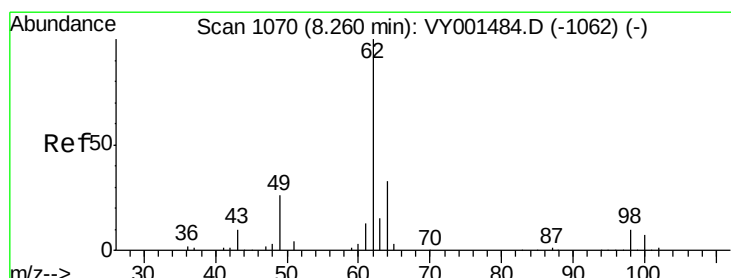
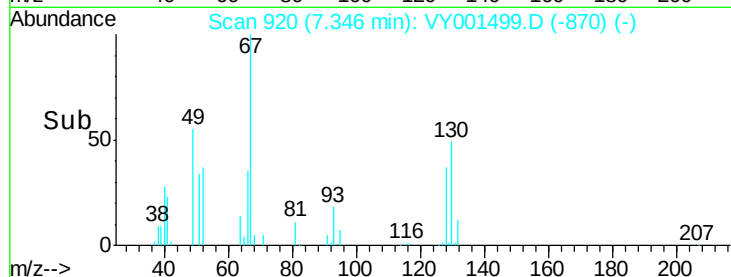
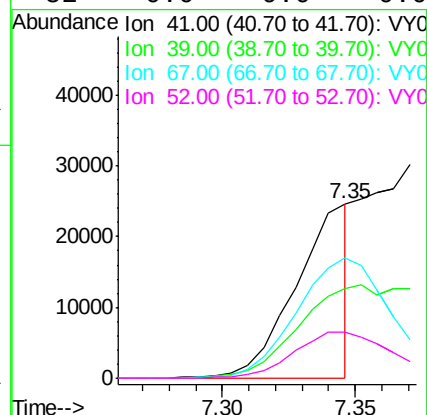
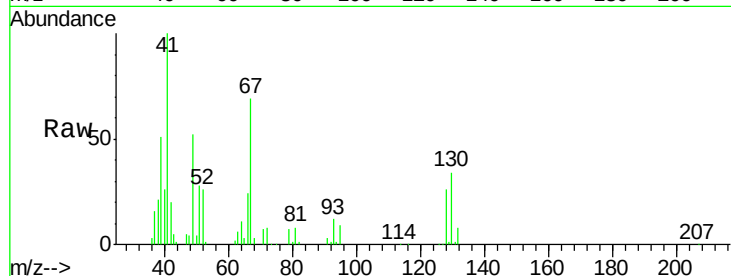
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/6/2020 12:46:50 PM



#42

1,2-Dichloroethane

Concen: 48.869 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001499.D

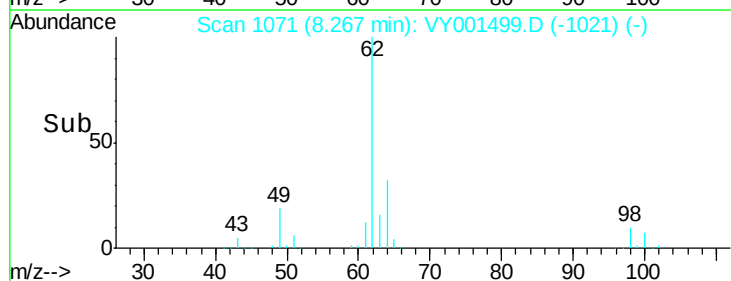
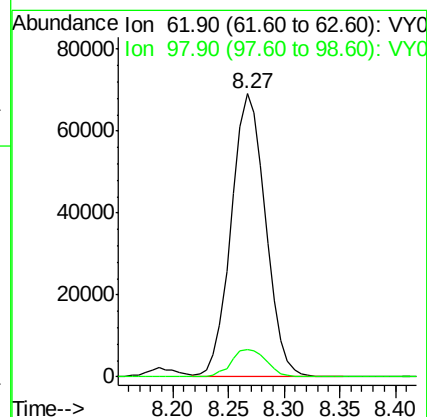
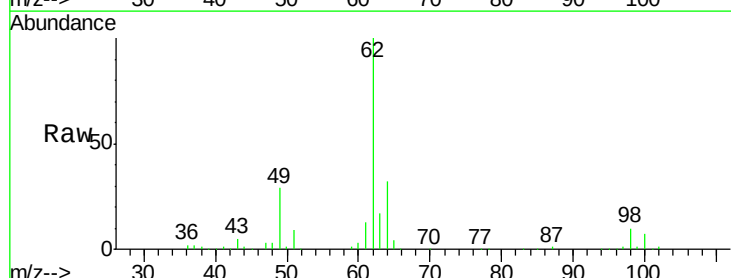
Acq: 05 Feb 2020 10:43

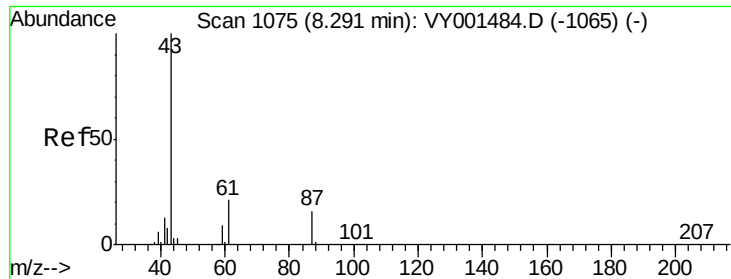
Tgt Ion: 62 Resp: 147920

Ion Ratio Lower Upper

62 100

98 10.0 0.0 21.0





#43

Isopropyl Acetate

Concen: 53.095 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

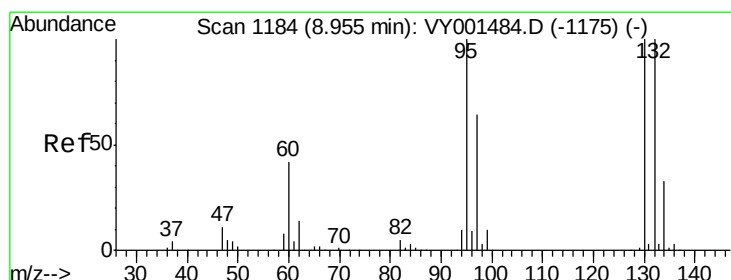
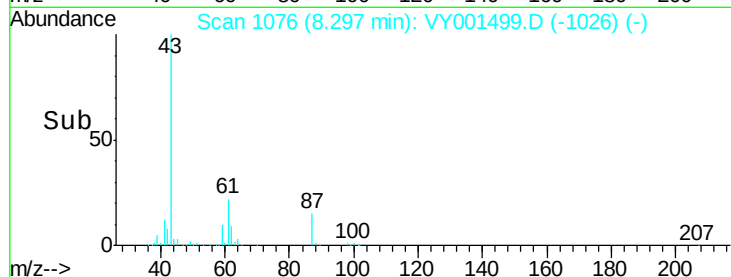
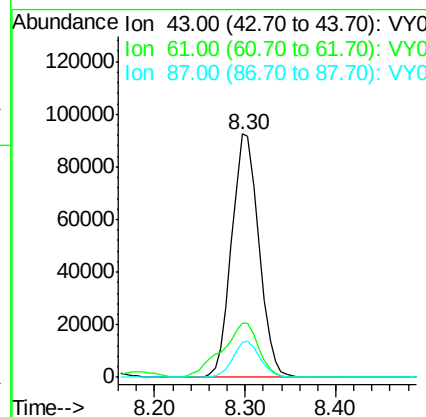
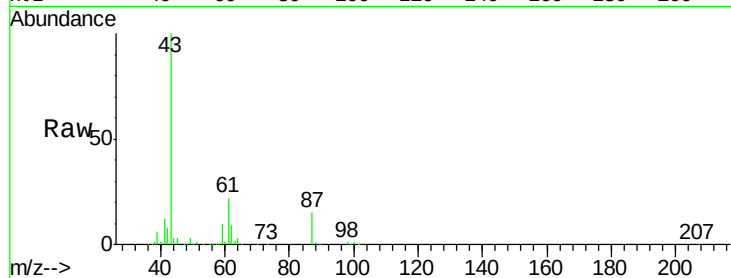
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	193847
Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.1	37.7
87	14.6	12.6	19.0

Manual Integrations
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#44

Trichloroethene

Concen: 47.703 ug/l

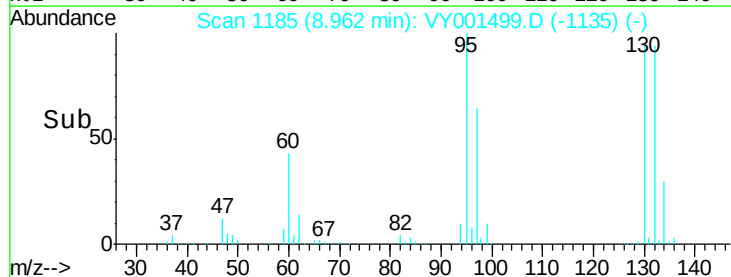
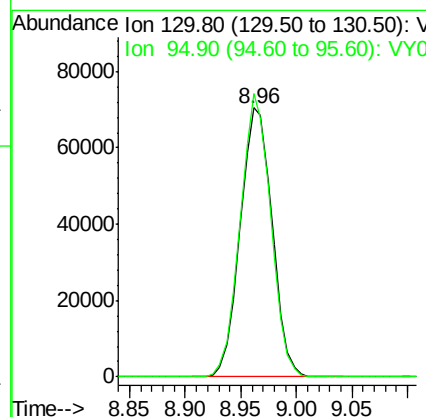
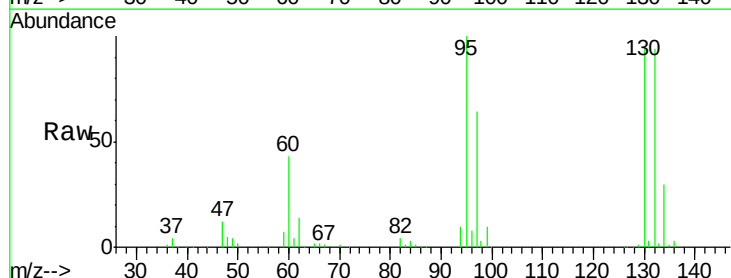
RT: 8.96 min Scan# 1185

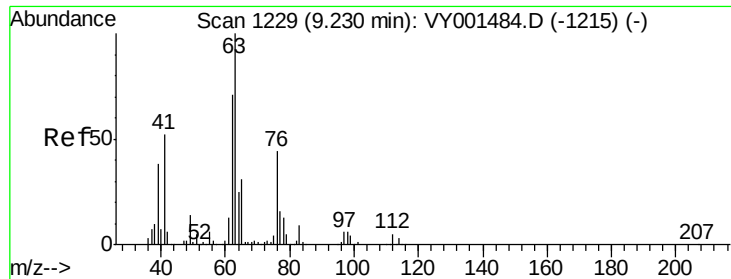
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	130	Resp:	139701
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	199.2





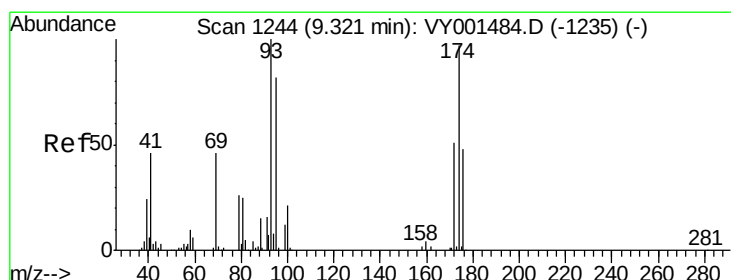
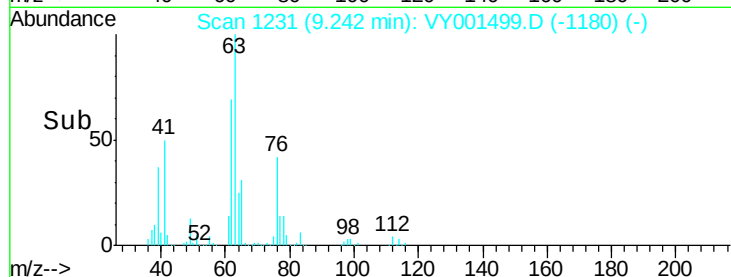
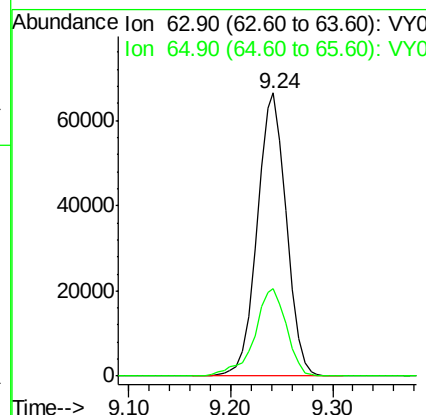
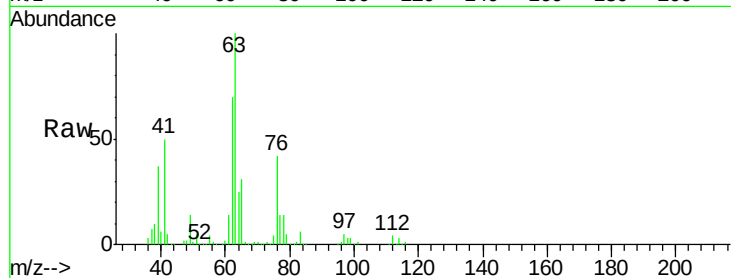
#45
 1,2-Dichloropropane
 Concen: 50.361 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.4

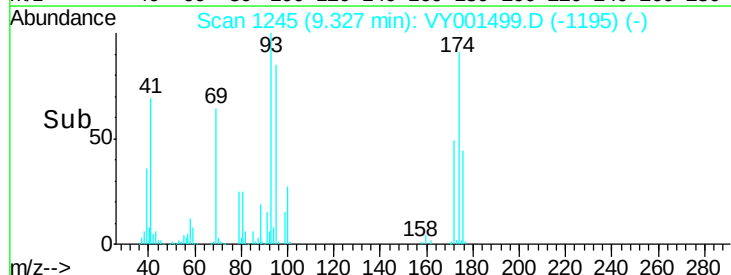
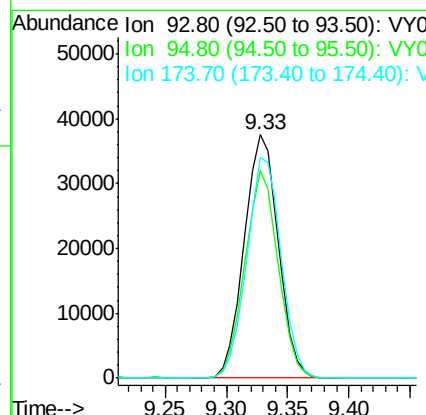
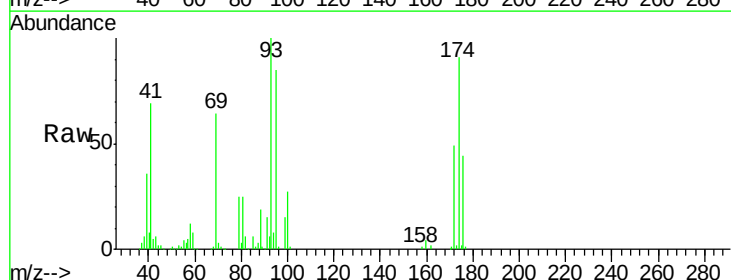
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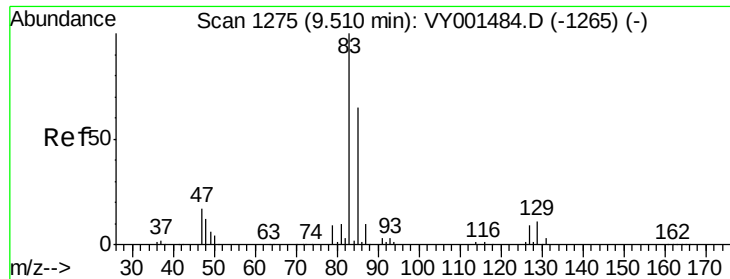
MMDadoda
 2/6/2020 12:46:50 PM



#46
 Dibromomethane
 Concen: 49.335 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	99.8
174	91.4	75.4	113.2





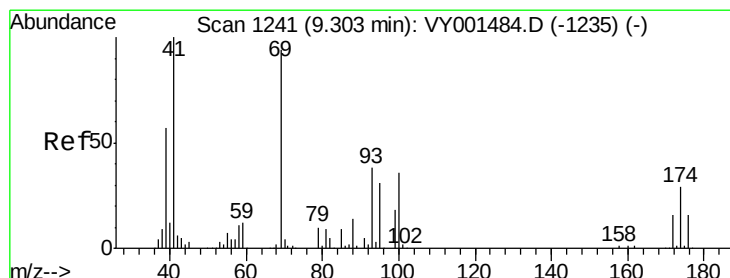
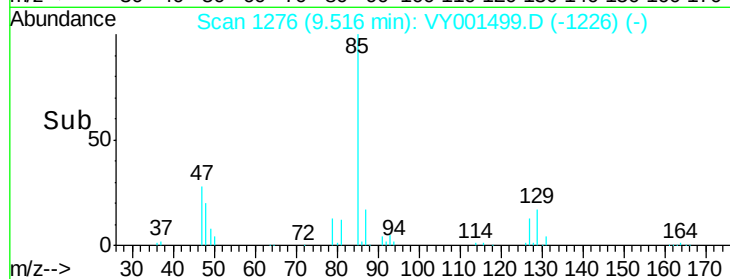
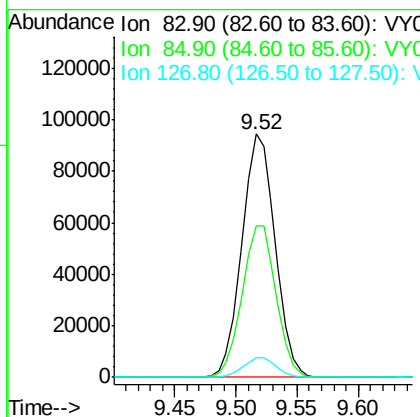
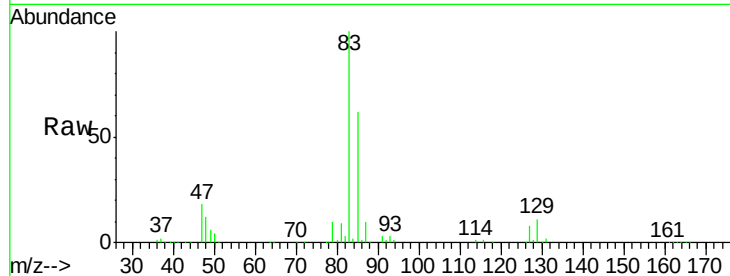
#47
Bromodichloromethane
Concen: 49.663 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	178263		
85	62.0		51.9	77.9
127	7.9		6.9	10.3

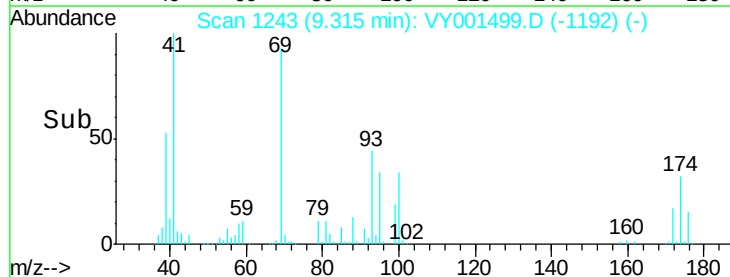
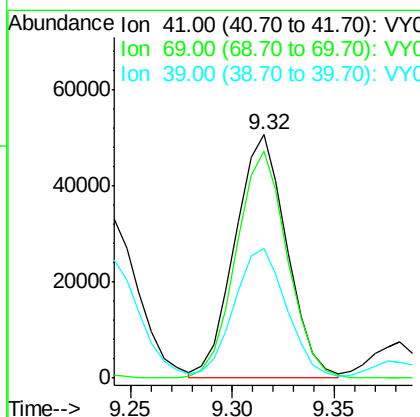
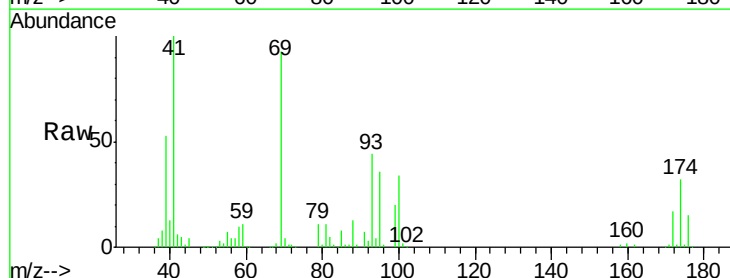
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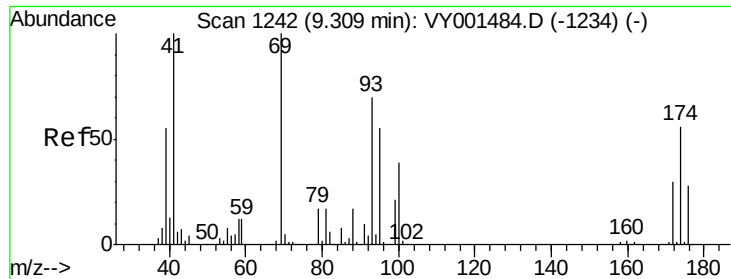
MMDadoda
2/6/2020 12:46:50 PM



#48
Methyl methacrylate
Concen: 53.987 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	89458		
69	91.6		76.6	114.8
39	51.8		45.4	68.0





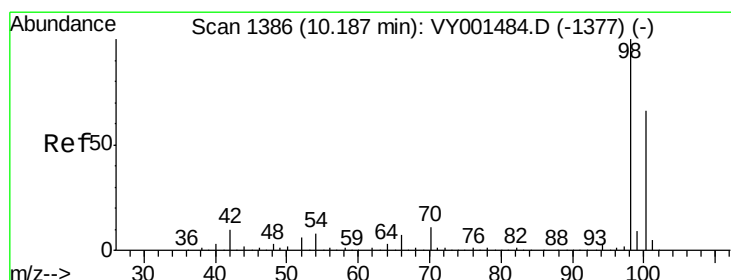
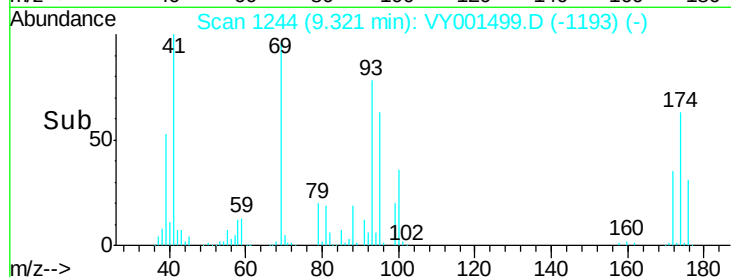
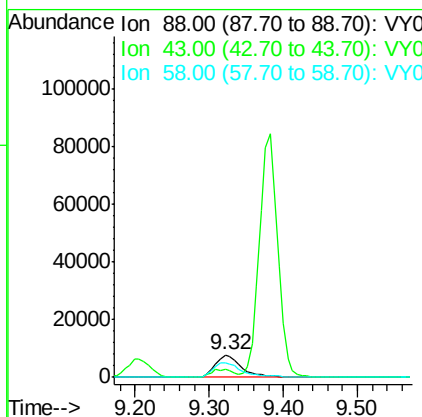
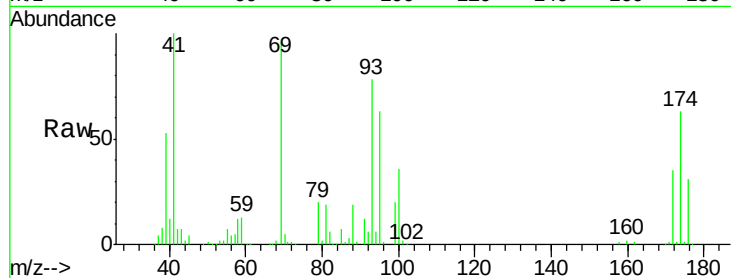
#49
1,4-Dioxane
Concen: 992.868 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19317
Ion	Ratio	Lower	Upper
88	100		
43	28.3	24.8	37.2
58	70.6	59.3	88.9

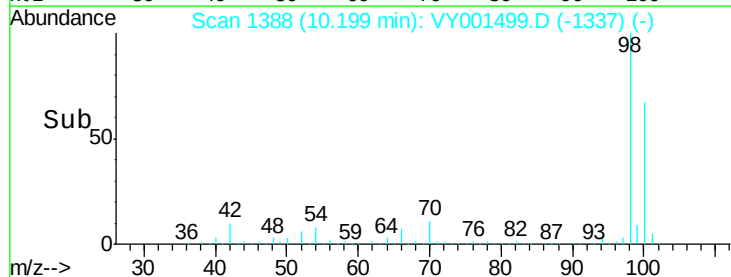
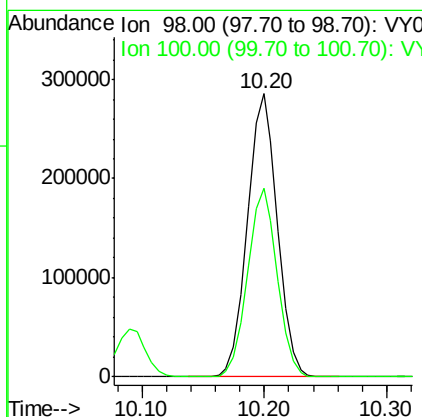
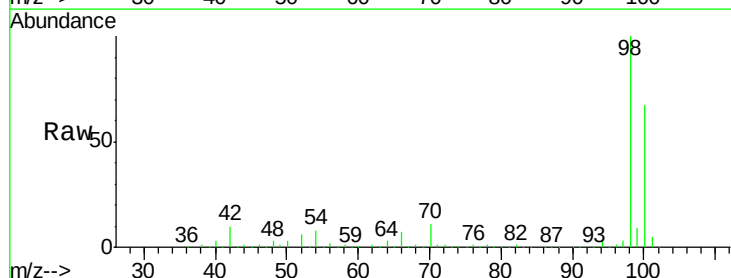
Manual Integrations
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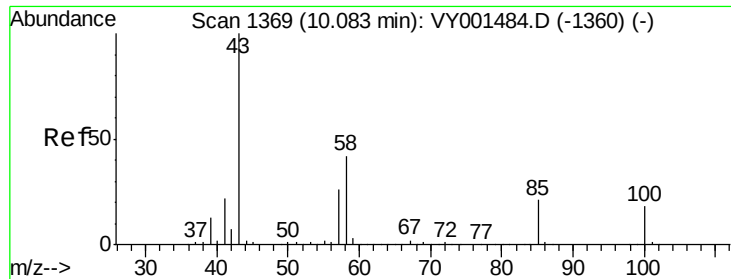
MMDadoda
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#50
Toluene-d8
Concen: 53.353 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	98	Resp	484662
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





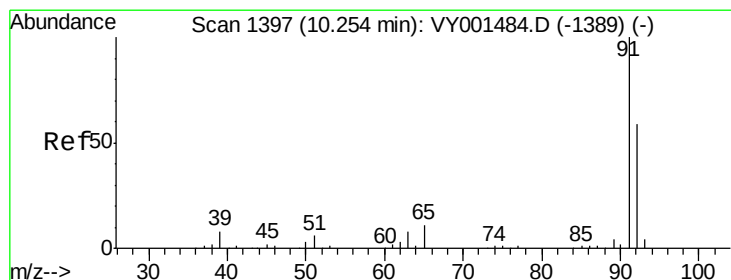
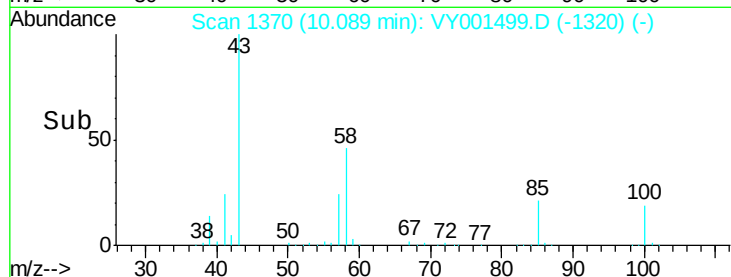
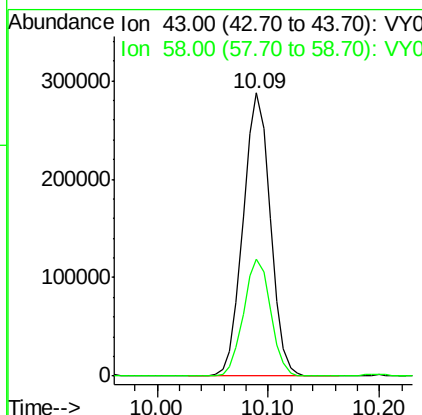
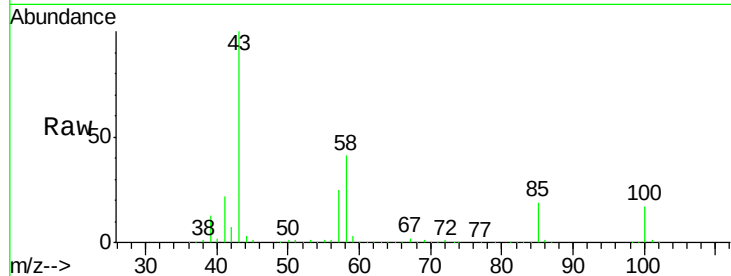
#51
4-Methyl-2-Pentanone
Concen: 271.119 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 487467
Ion Ratio Lower Upper
43 100
58 41.2 33.9 50.9

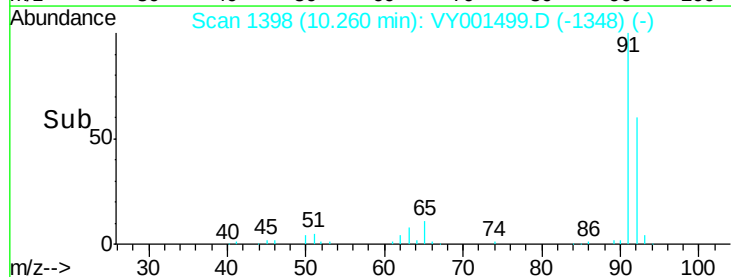
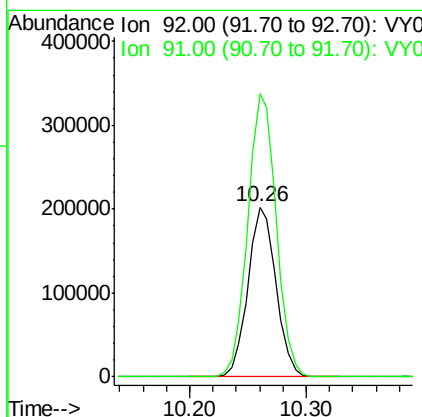
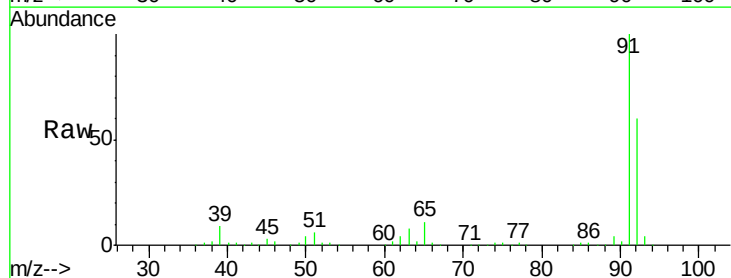
Manual Integrations
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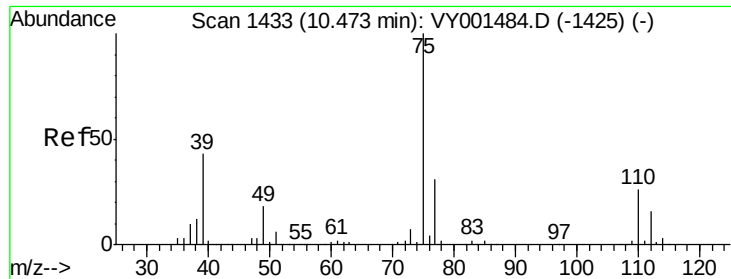
MMDadoda
2/6/2020 12:46:50 PM



#52
Toluene
Concen: 49.090 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion: 92 Resp: 338415
Ion Ratio Lower Upper
92 100
91 169.6 136.6 204.8





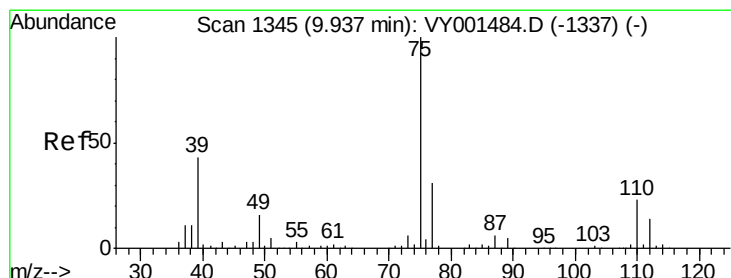
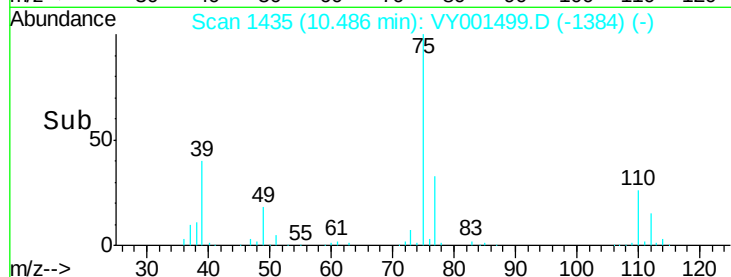
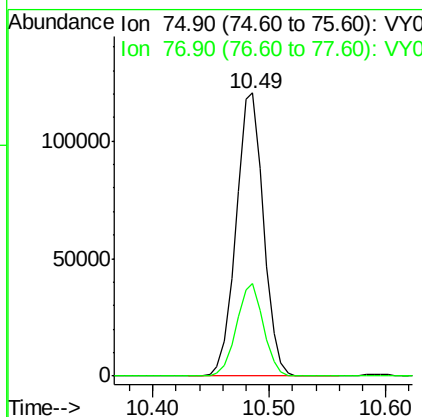
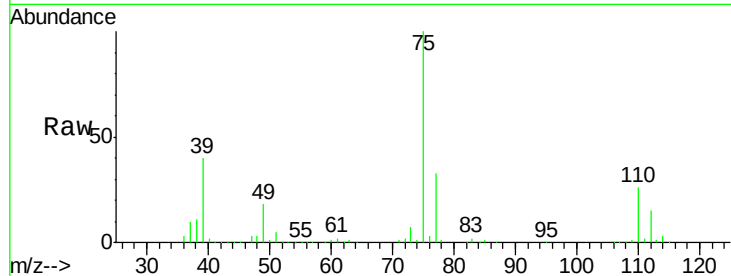
#53
t-1,3-Dichloropropene
Concen: 50.413 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.9	37.3

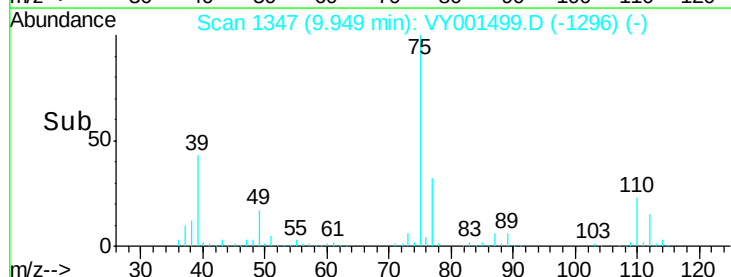
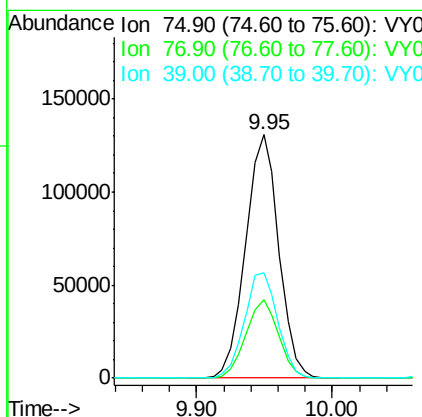
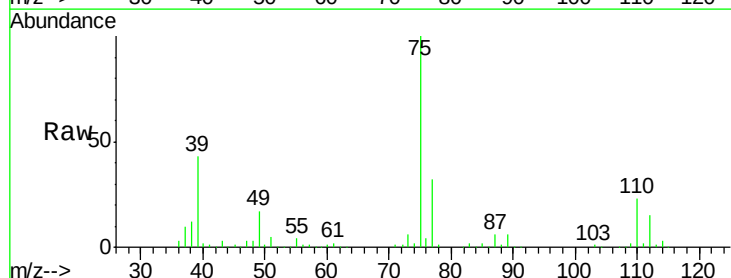
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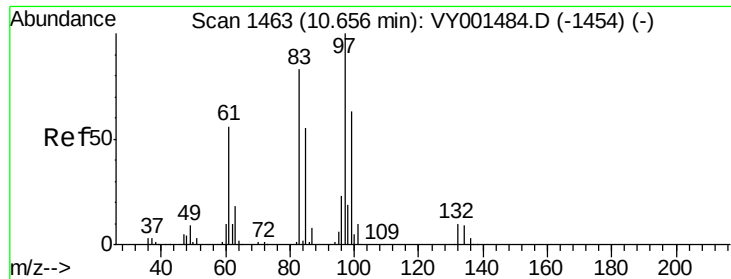
MMDadoda
2/6/2020 12:46:50 PM



#54
cis-1,3-Dichloropropene
Concen: 49.703 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	43.3	34.0	51.0





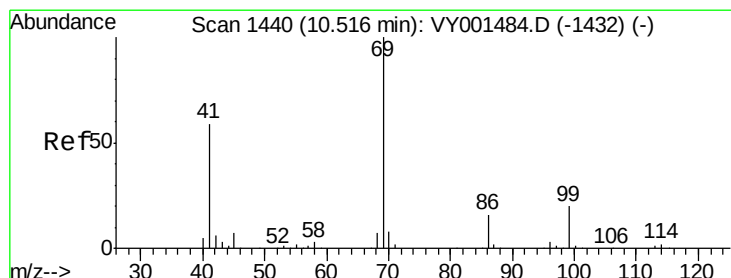
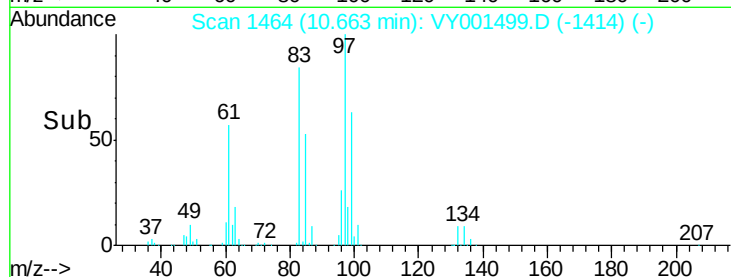
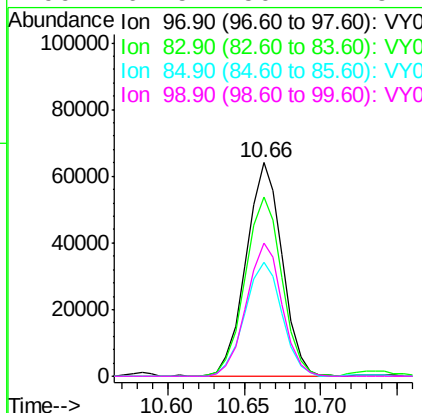
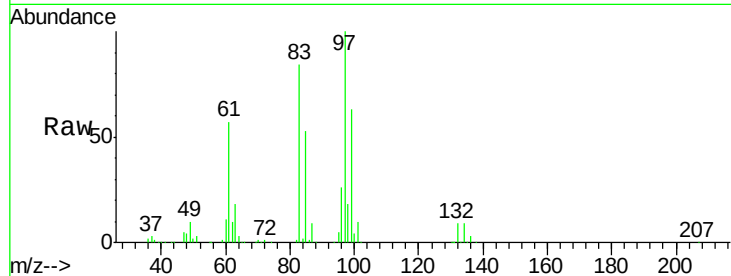
#55
 1,1,2-Trichloroethane
 Concen: 49.762 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		105180		
83	83.6	66.2	99.2		
85	53.3	43.8	65.6		
99	62.5	50.1	75.1		

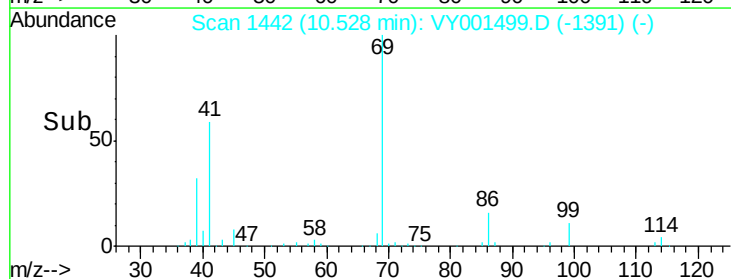
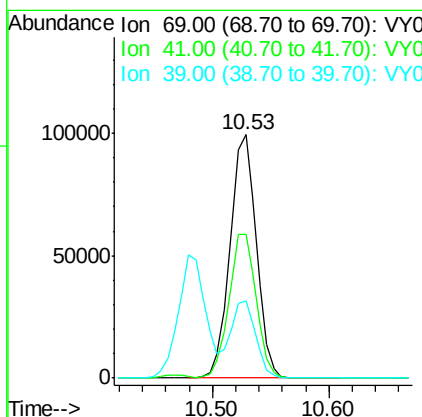
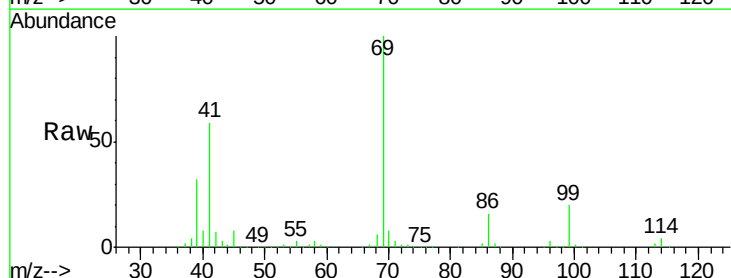
Manual Integrations
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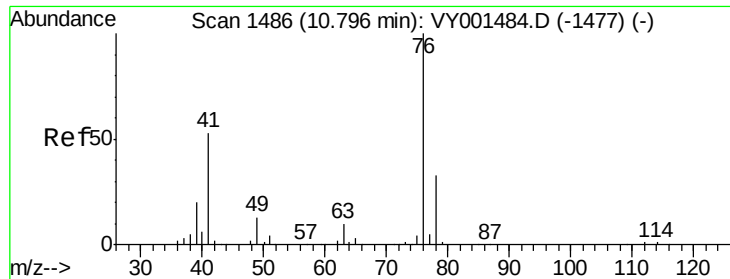
MMDadoda
 2/6/2020 12:46:50 PM



#56
 Ethyl methacrylate
 Concen: 51.969 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		156236		
41	61.4	47.8	71.8		
39	31.4	24.4	36.6		





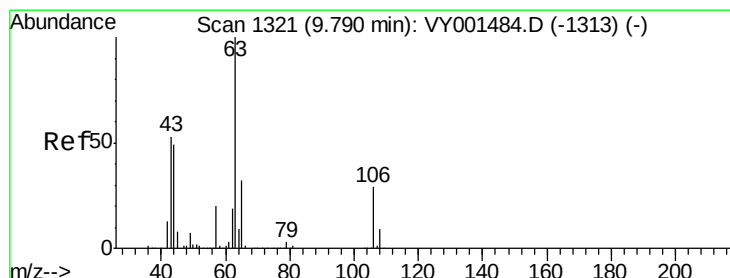
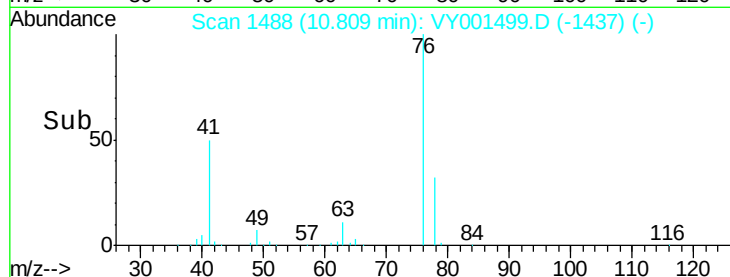
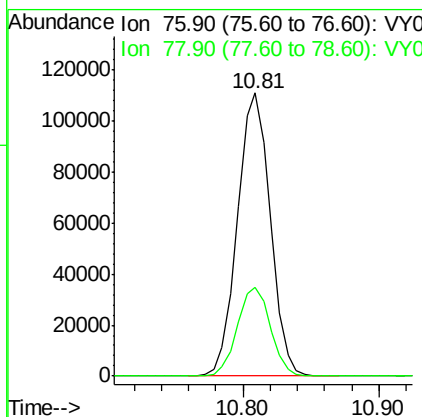
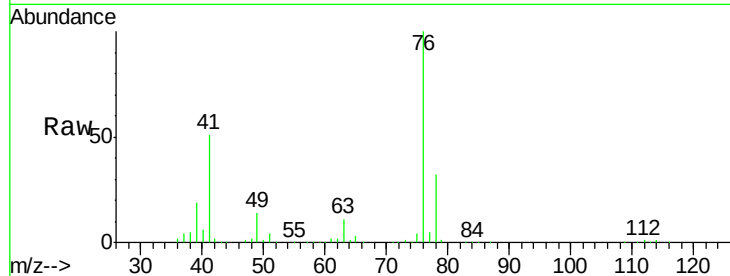
#57
 1,3-Dichloropropane
 Concen: 50.123 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 186755
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

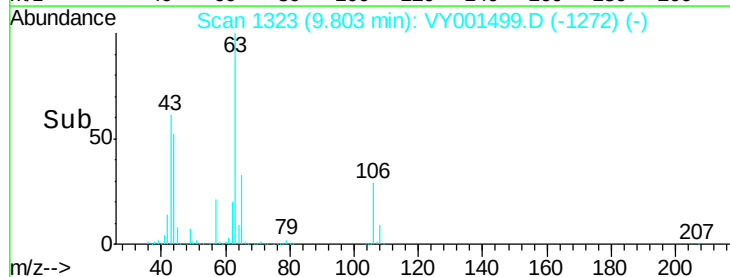
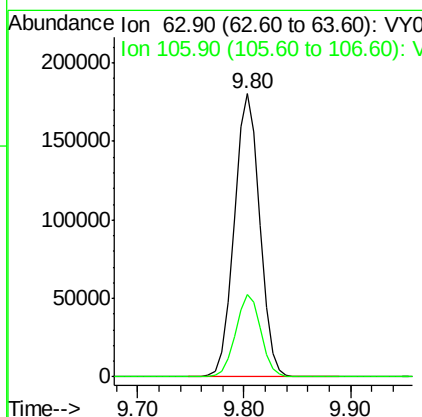
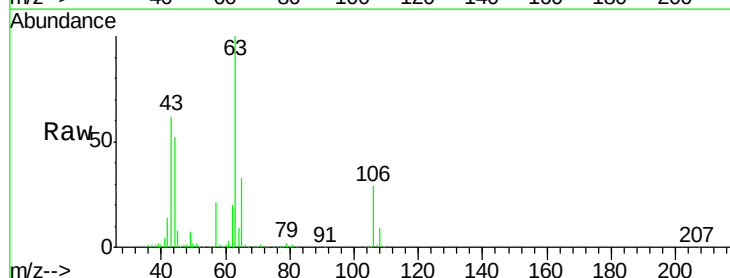
Manual Integrations
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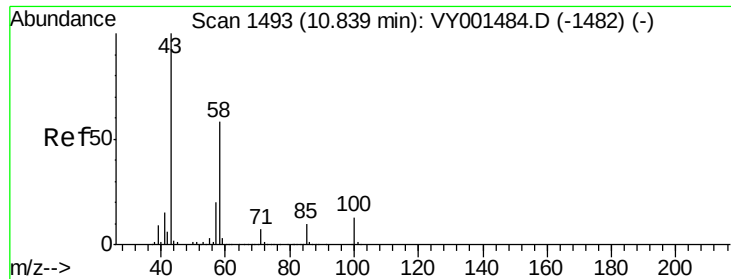
MMDadoda
 2/6/2020 12:46:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.535 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion: 63 Resp: 302518
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.0 36.0





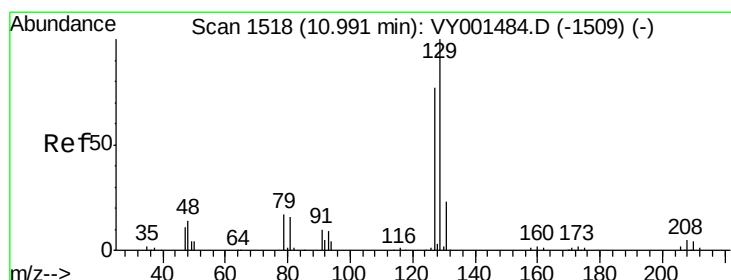
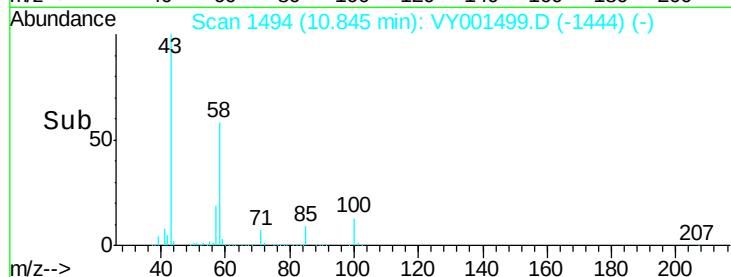
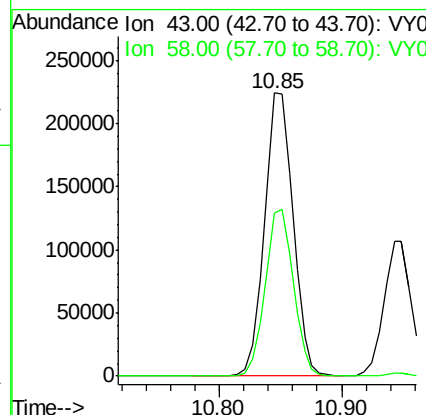
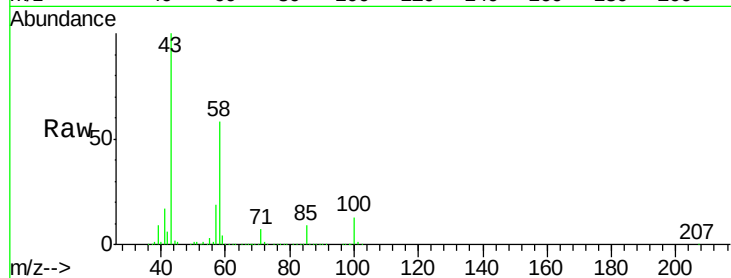
#59
2-Hexanone
Concen: 281.160 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 367558
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0

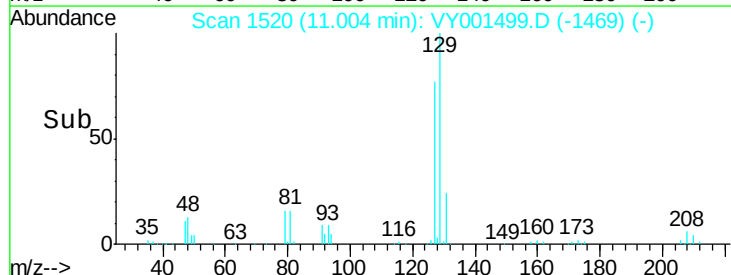
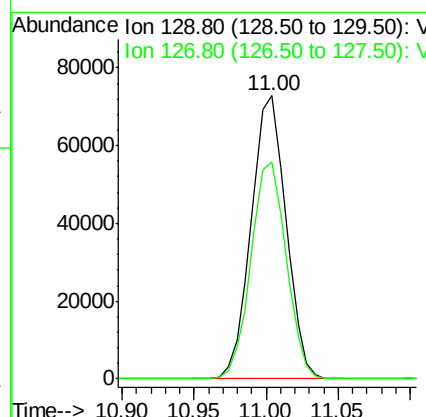
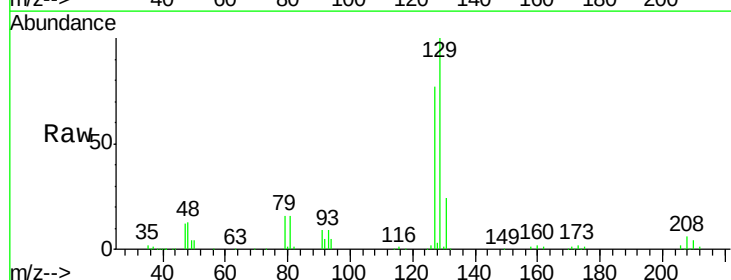
Manual Integrations
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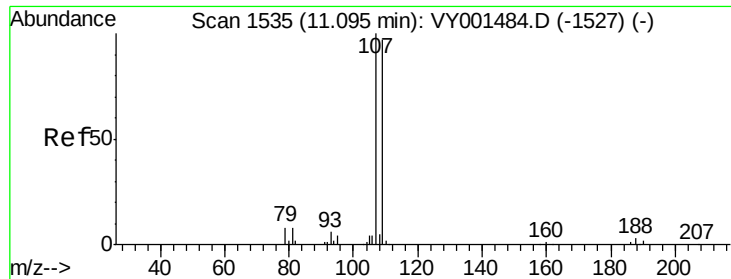
MMDadoda
2/6/2020 12:46:50 PM



#60
Dibromochloromethane
Concen: 49.018 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion: 129 Resp: 122127
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





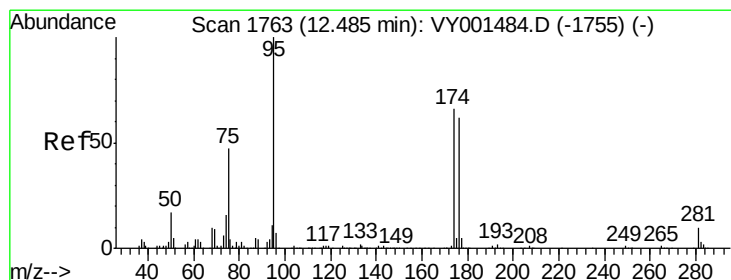
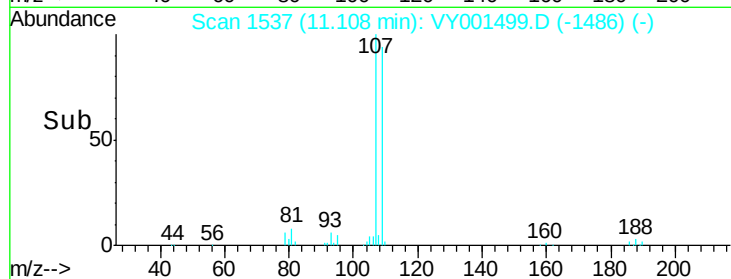
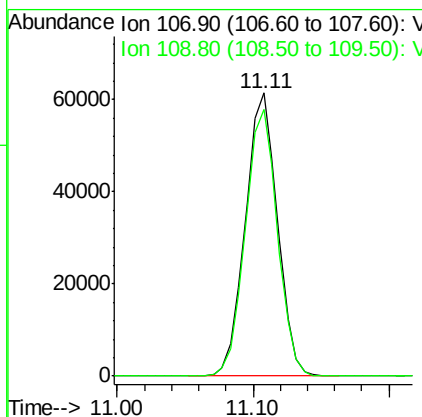
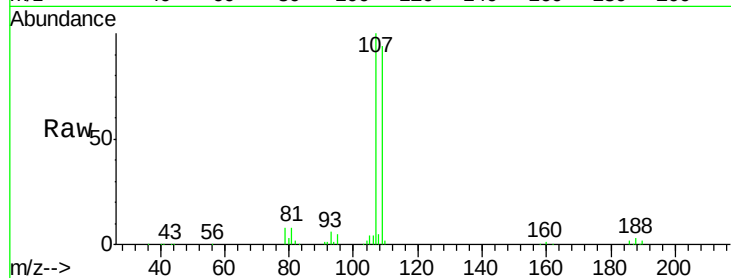
#61
 1,2-Dibromoethane
 Concen: 48.787 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	101568		
109	94.2	76.2	114.2	

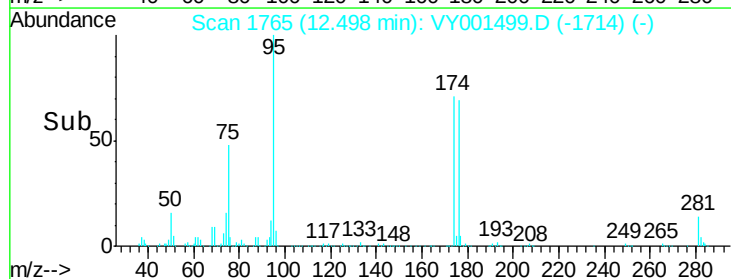
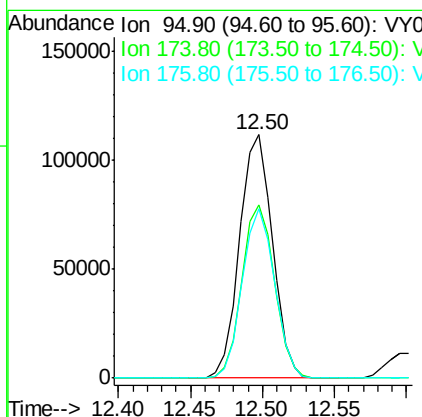
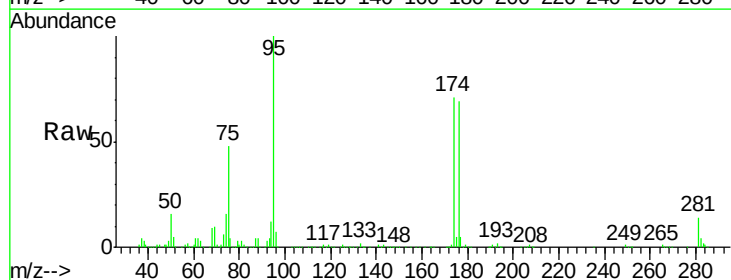
Manual Integrations
 APPROVED

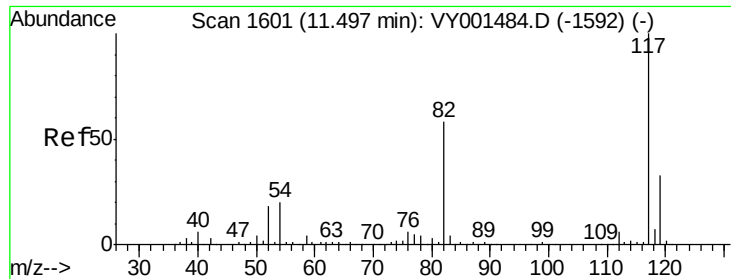
MMDadoda
 2/6/2020 12:46:50 PM



#62
 4-Bromofluorobenzene
 Concen: 49.358 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	176635		
174	70.8	0.0	141.4	
176	68.4	0.0	135.4	





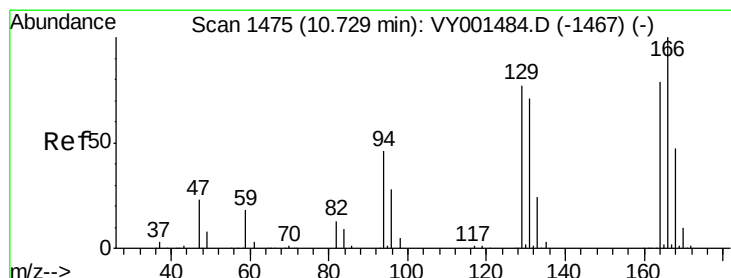
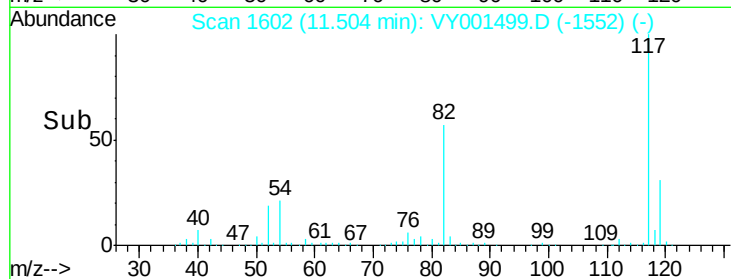
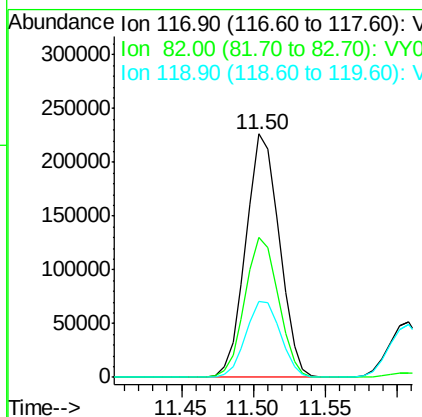
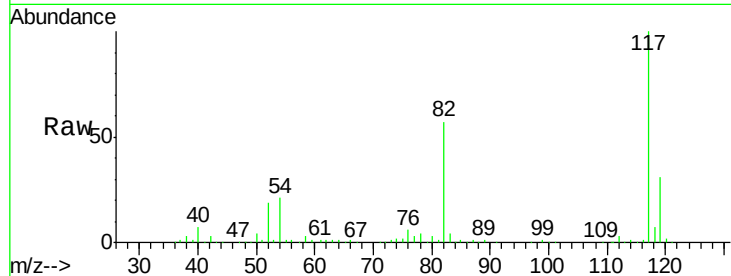
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.1	69.1
119	31.3	26.1	39.1

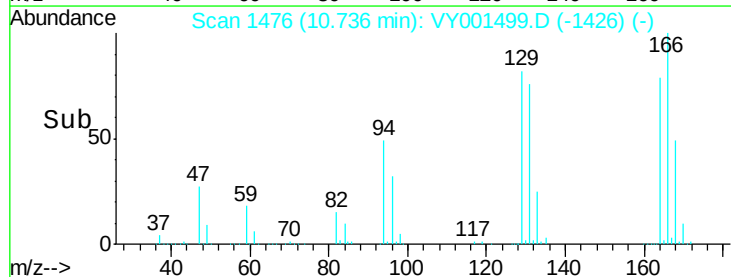
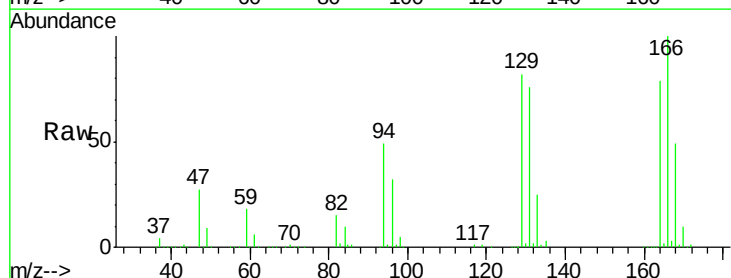
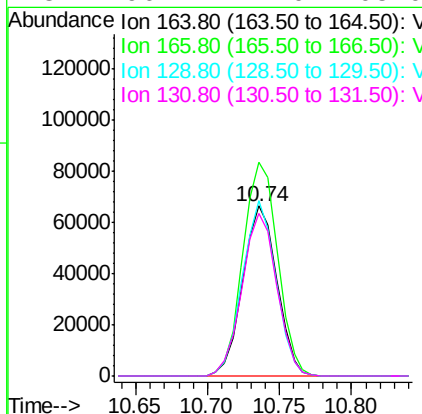
Manual Integrations
APPROVED

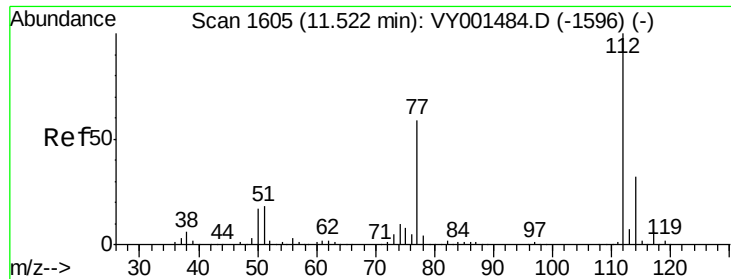
MMDadoda
2/6/2020 12:46:50 PM



#64
Tetrachloroethene
Concen: 45.629 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.8	151.2
129	103.1	77.8	116.6
131	96.1	72.0	108.0





#65

Chlorobenzene

Concen: 48.504 ug/l

RT: 11.53 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 347793

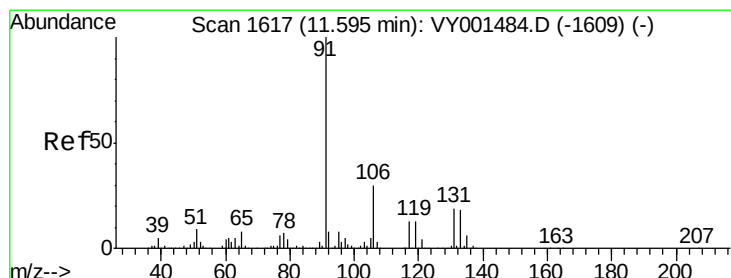
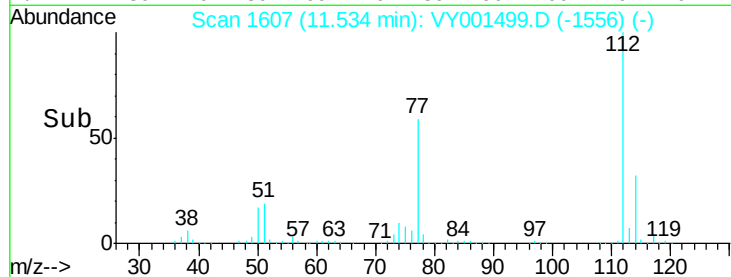
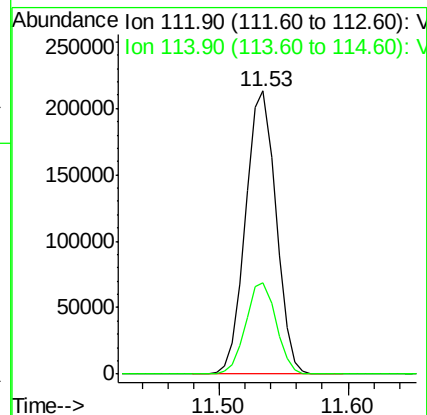
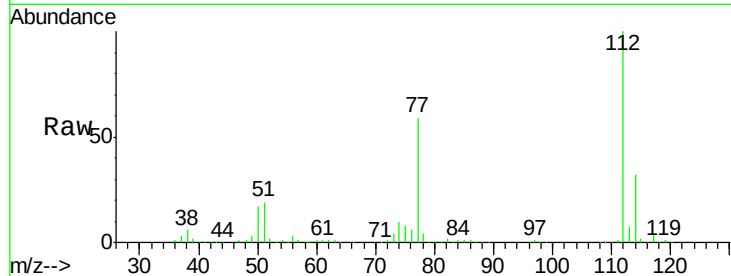
Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2

Manual Integrations
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MMDadoda
2/6/2020 12:46:50 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.887 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

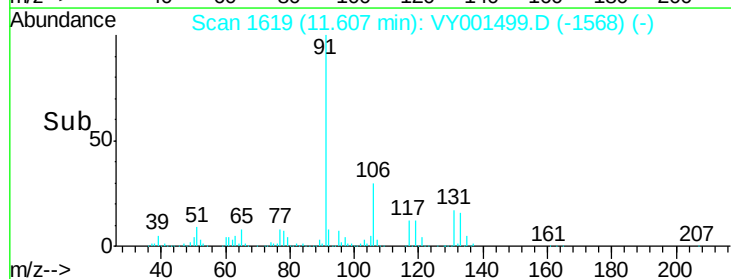
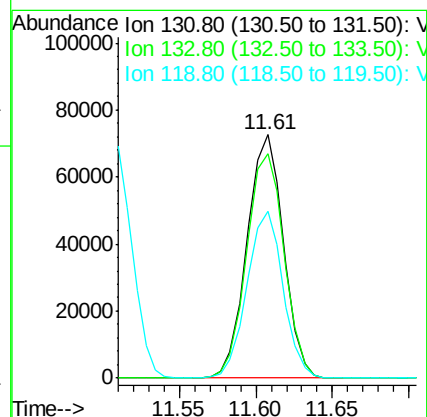
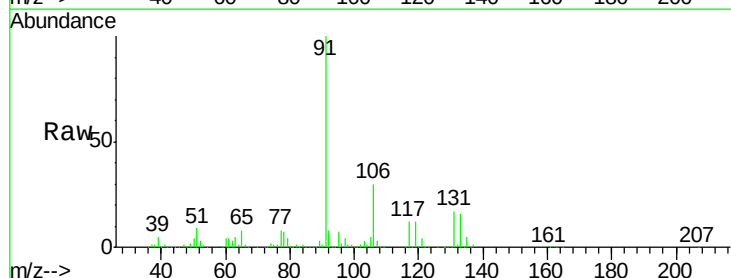
Tgt Ion:131 Resp: 120174

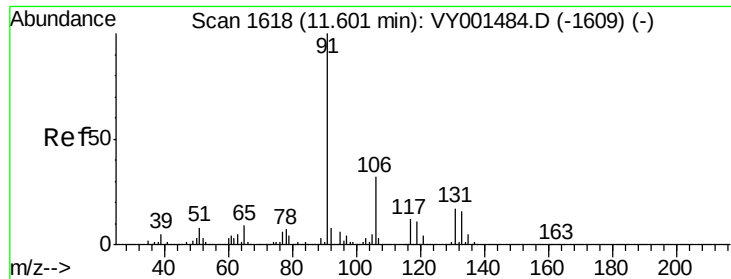
Ion Ratio Lower Upper

131 100

133 95.1 47.9 143.8

119 67.9 33.7 101.0





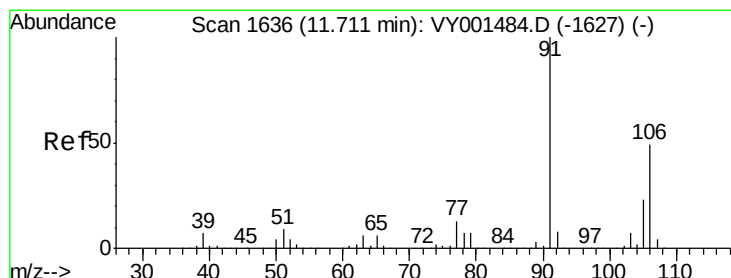
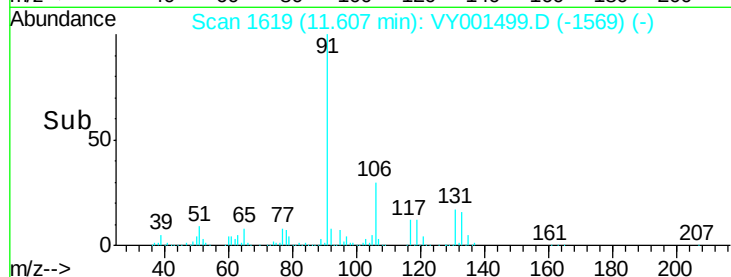
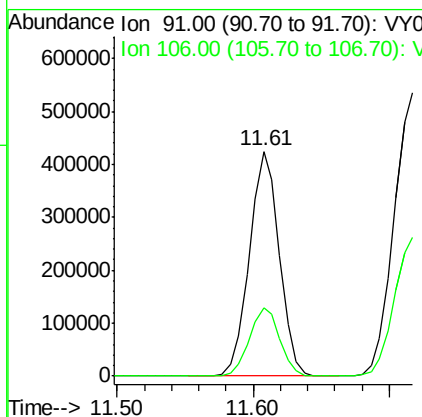
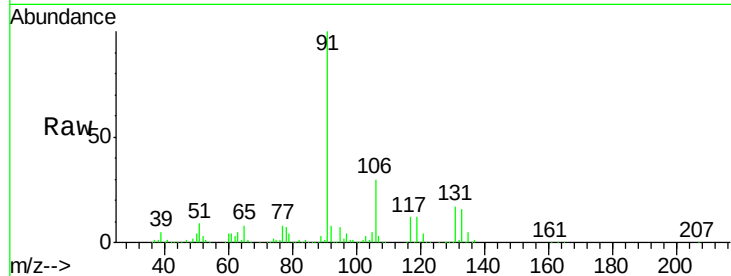
#67
Ethyl Benzene
Concen: 49.255 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 653009
Ion Ratio Lower Upper
91 100
106 30.2 25.3 37.9

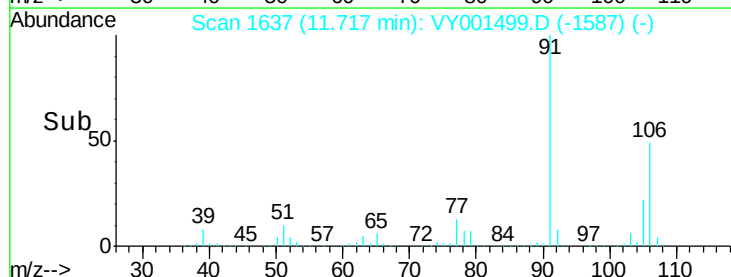
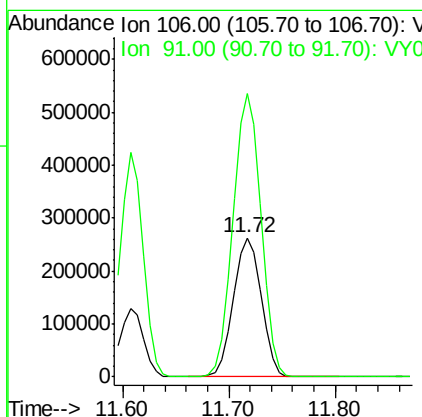
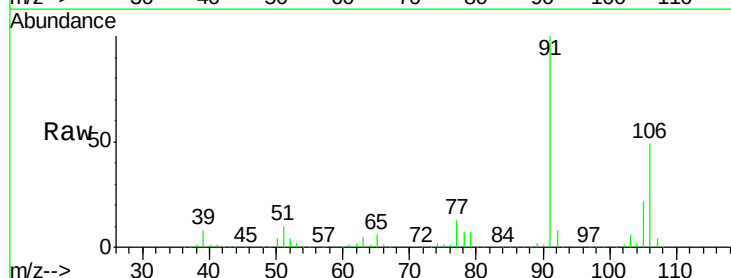
Manual Integrations
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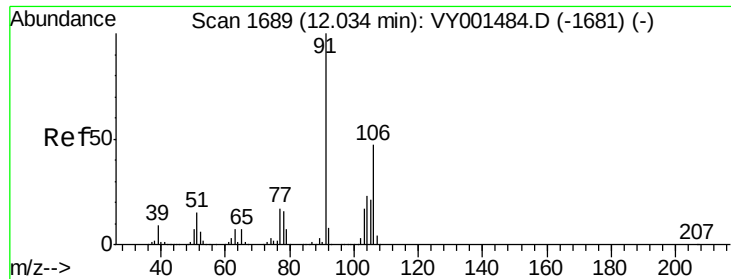
MMDadoda
2/6/2020 12:46:50 PM



#68
m/p-Xylenes
Concen: 97.408 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion: 106 Resp: 484799
Ion Ratio Lower Upper
106 100
91 203.8 163.6 245.4





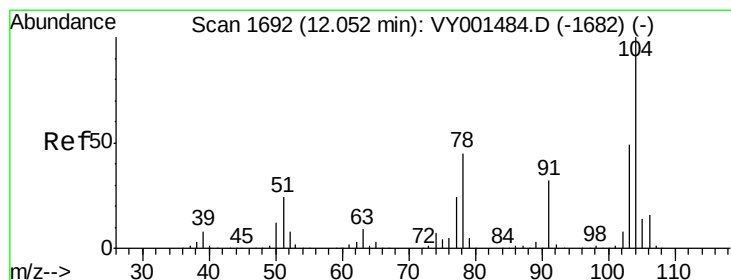
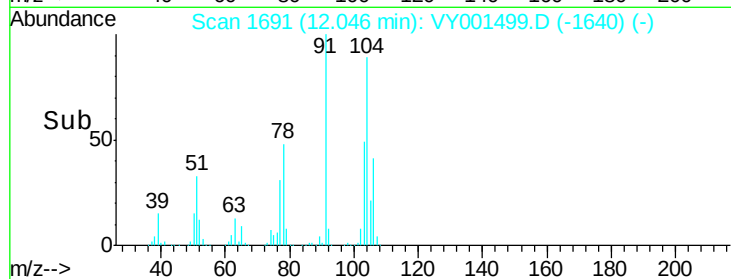
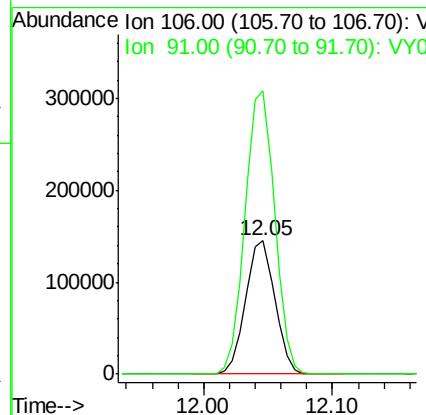
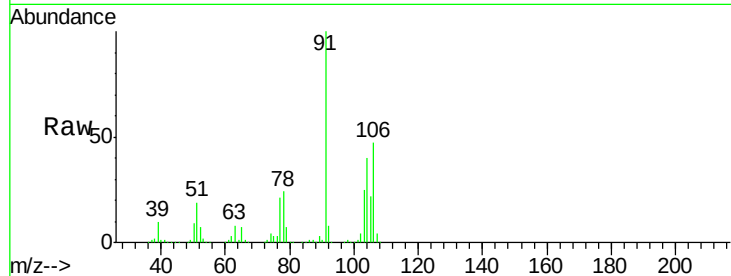
#69
o-Xylene
Concen: 48.495 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 227571
Ion Ratio Lower Upper
106 100
91 215.2 106.0 318.0

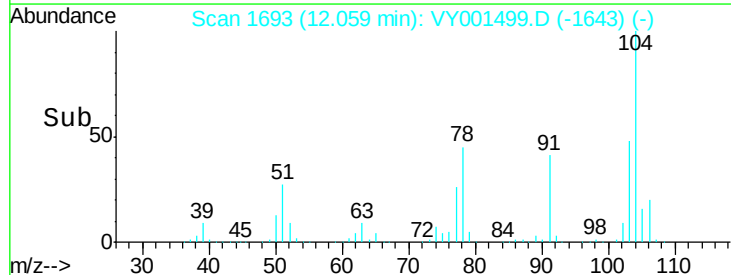
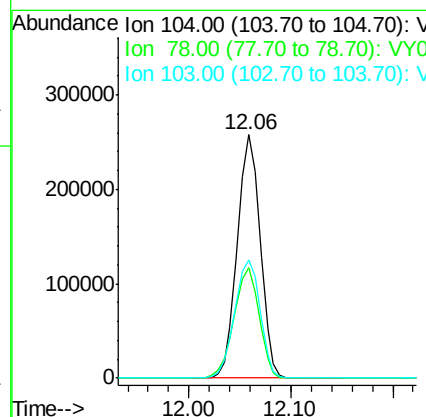
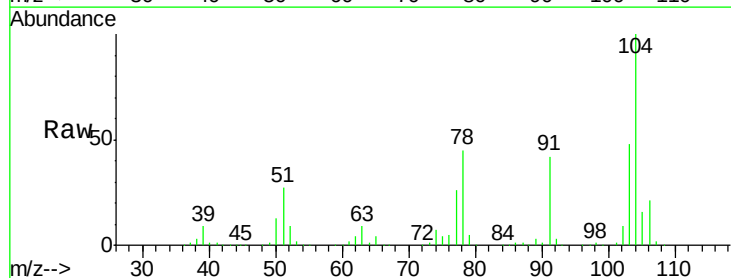
Manual Integrations
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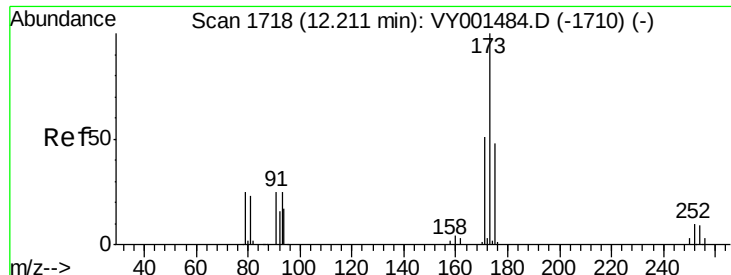
MMDadoda
2/6/2020 12:46:50 PM



#70
Styrene
Concen: 49.093 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion:104 Resp: 398388
Ion Ratio Lower Upper
104 100
78 49.8 40.4 60.6
103 53.9 42.8 64.2





#71

Bromoform

Concen: 49.727 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 69488

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

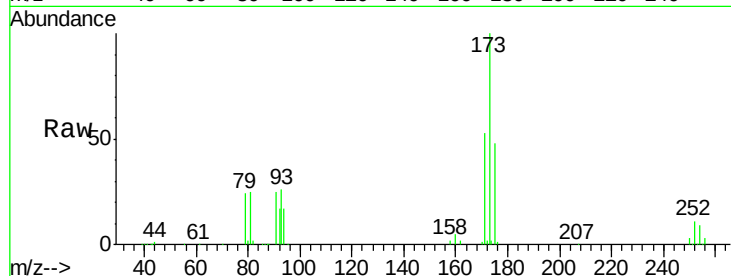
254 0.0 0.1 0.1#

Manual Integrations

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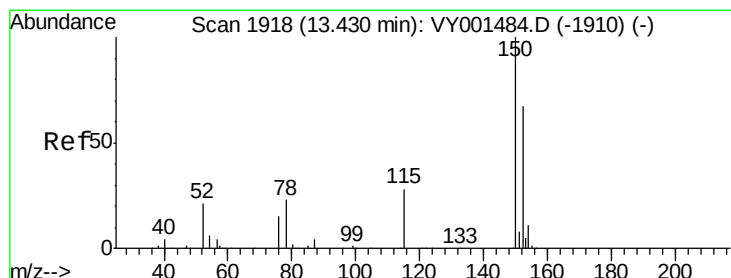
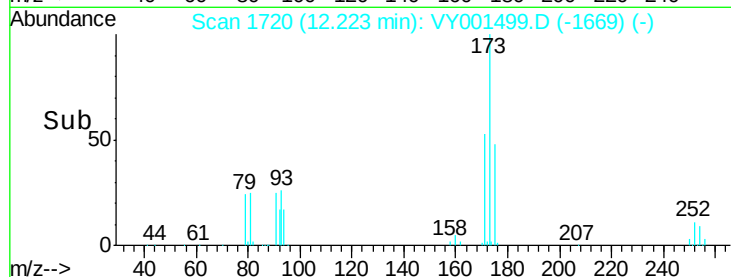
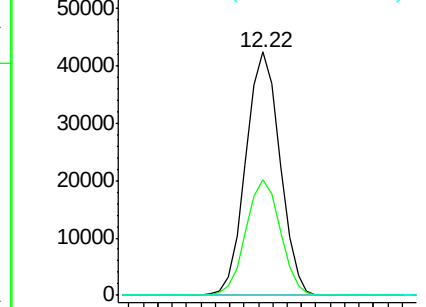
2/6/2020 12:46:50 PM



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# 1920

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

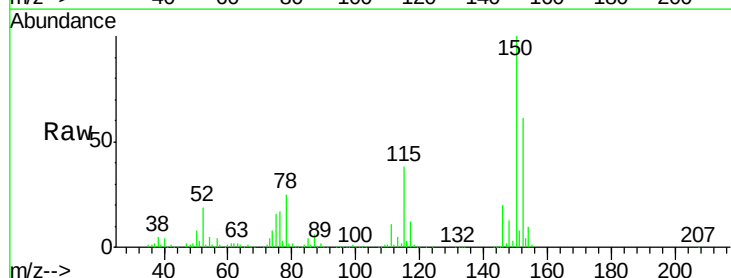
Tgt Ion:152 Resp: 168356

Ion Ratio Lower Upper

152 100

115 63.4 31.4 94.3

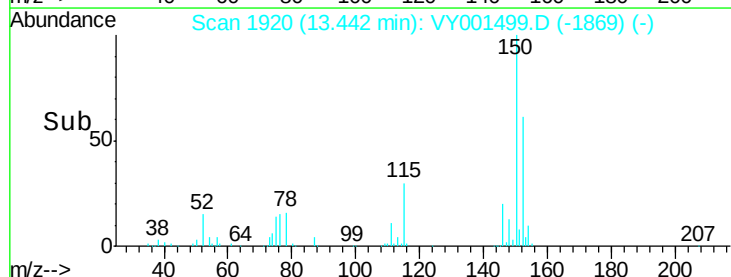
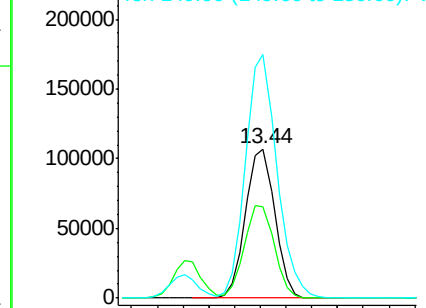
150 174.9 0.0 346.8

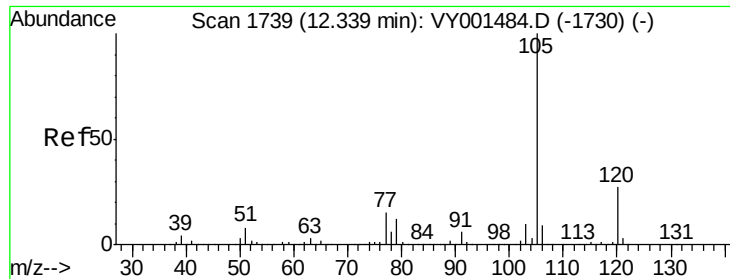


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





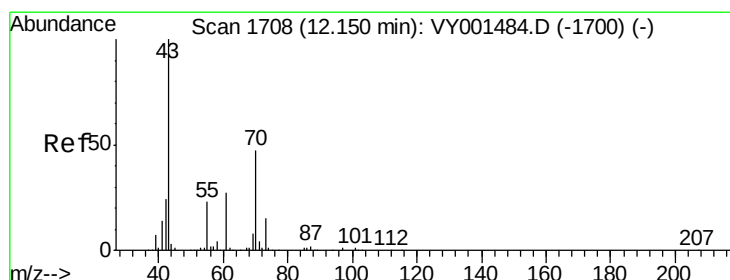
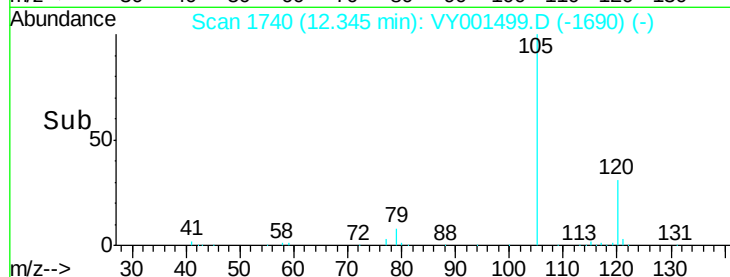
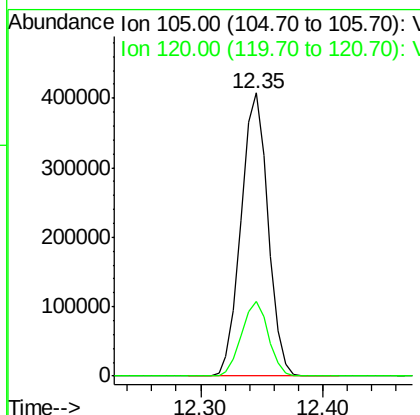
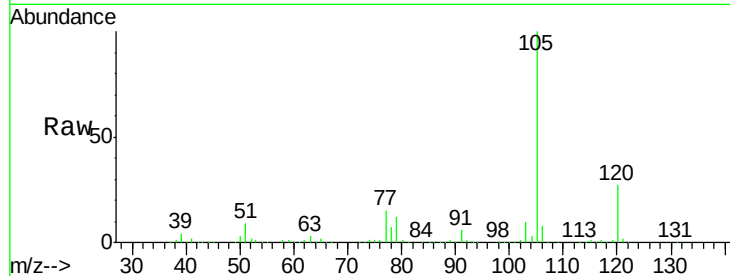
#73
Isopropylbenzene
Concen: 48.513 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

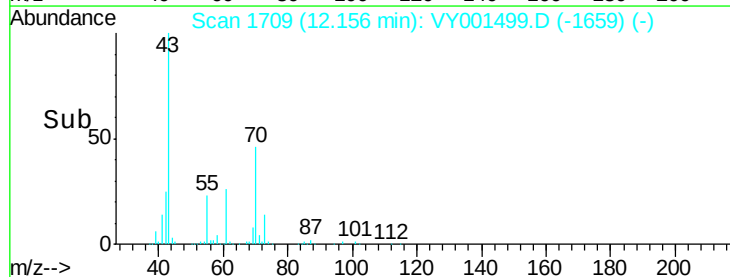
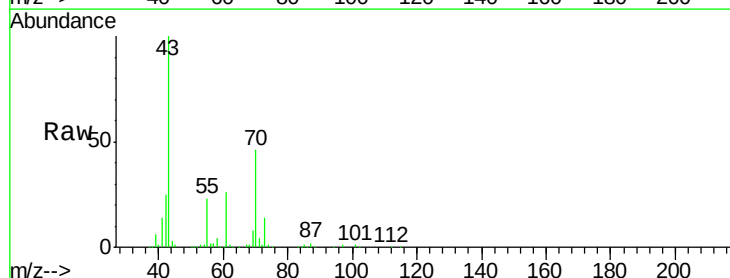
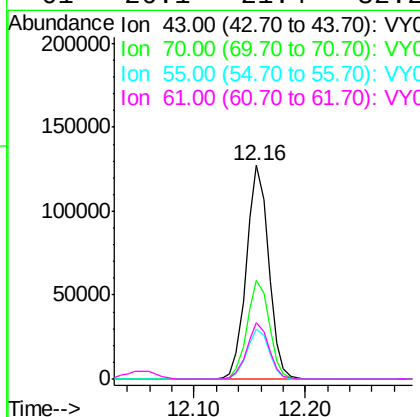
Manual Integrations
APPROVED

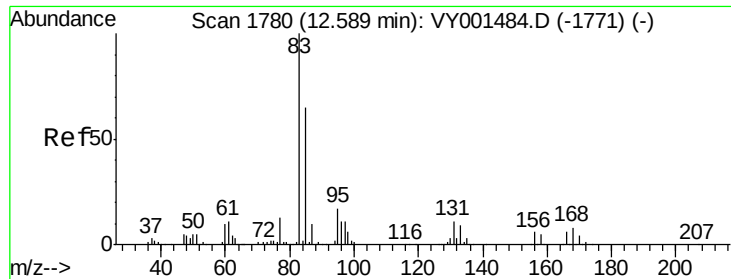
MMDadoda
2/6/2020 12:46:50 PM



#74
N-ethyl acetate
Concen: 52.945 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.1	37.2	55.8
55	23.4	18.8	28.2
61	26.1	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.590 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

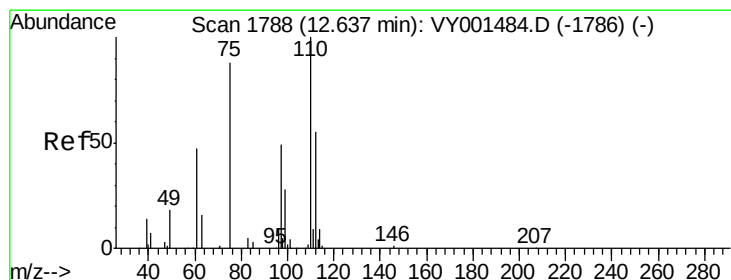
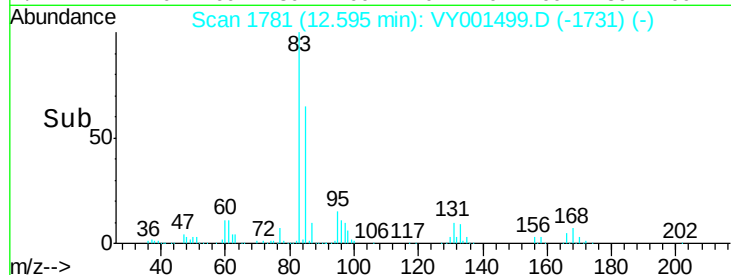
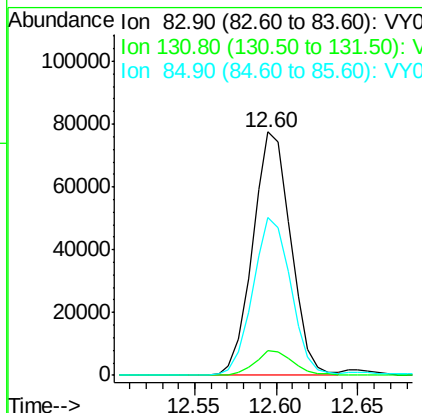
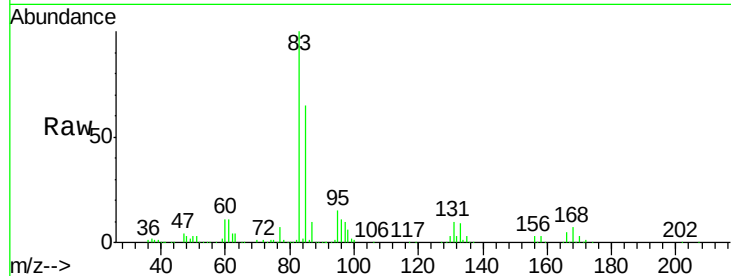
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	125857
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	64.6	32.0	96.0

Manual Integrations
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MMDadoda
2/6/2020 12:46:50 PM



#76

1,2,3-Trichloropropane

Concen: 45.546 ug/l m

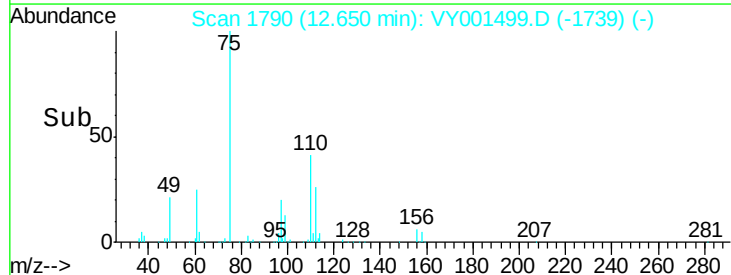
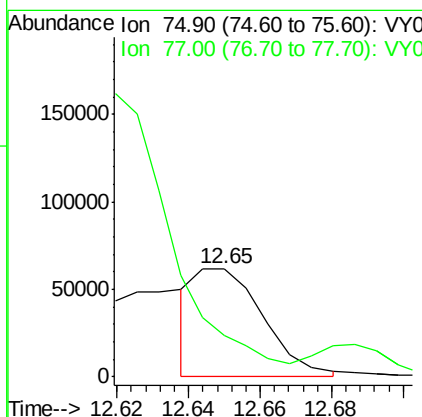
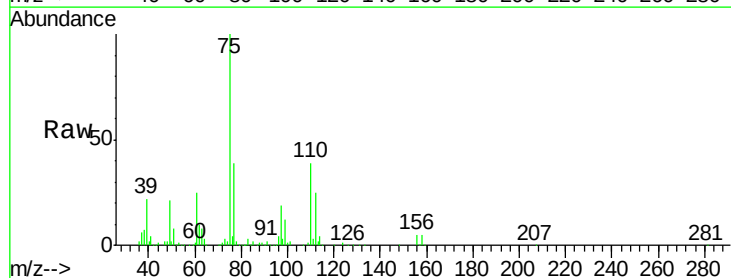
RT: 12.65 min Scan# 1790

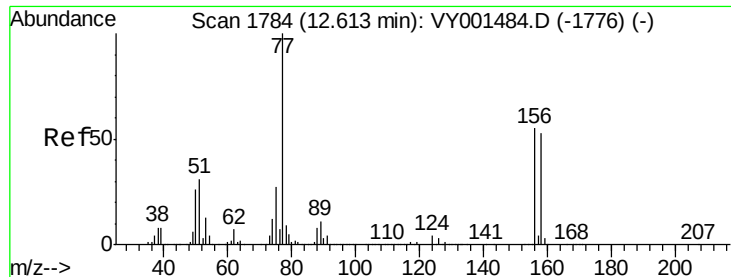
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	75	Resp:	82462
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.044 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

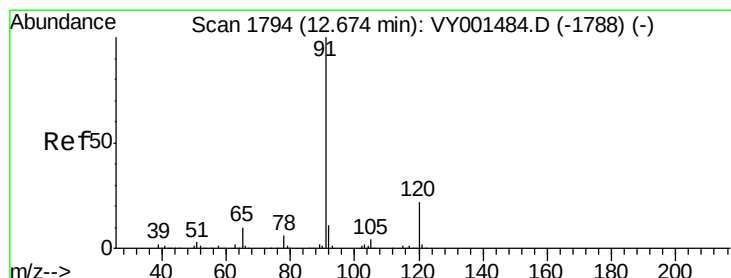
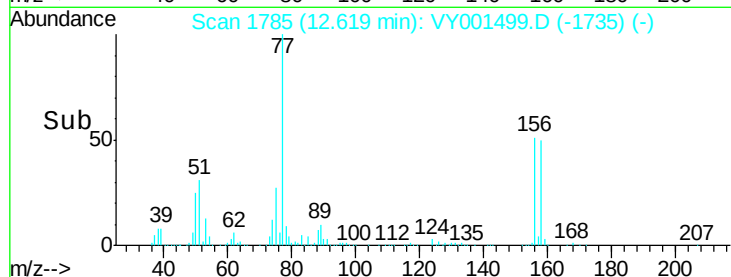
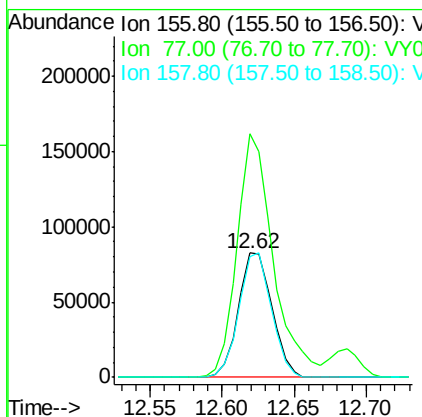
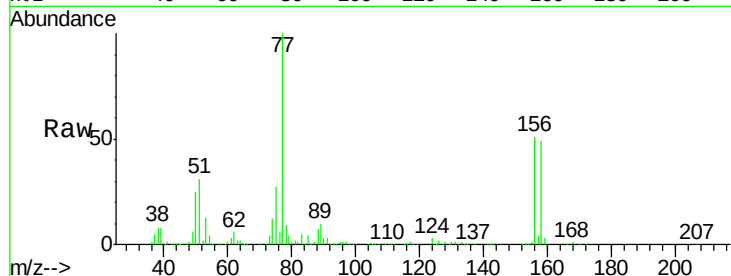
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	133504
Ion Ratio	Lower	Upper	
156	100		
77	212.8	99.8	299.3
158	96.3	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 48.886 ug/l

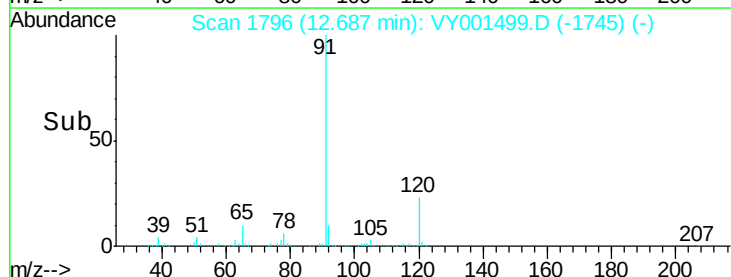
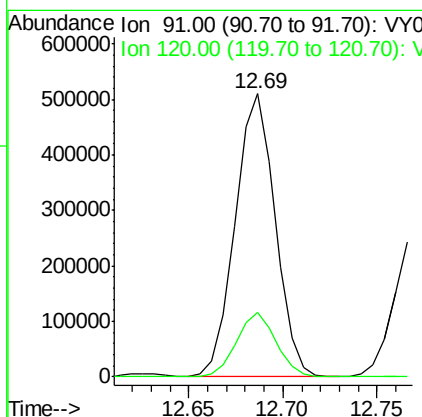
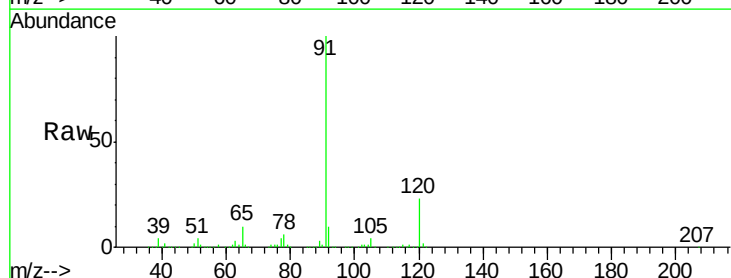
RT: 12.69 min Scan# 1796

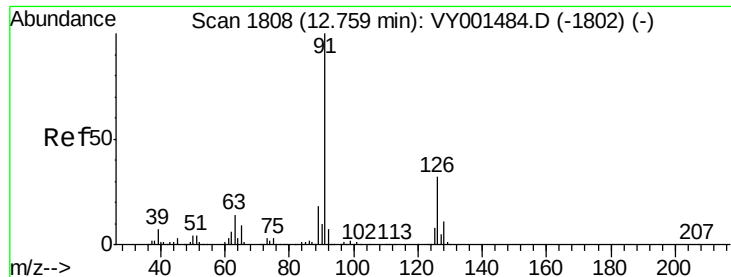
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	91	Resp:	751470
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.2





#79

2-Chlorotoluene

Concen: 48.139 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 421798

Ion Ratio Lower Upper

91 100

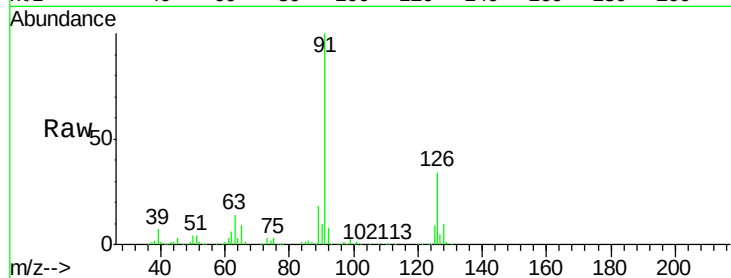
126 33.0 16.4 49.2

Manual Integrations

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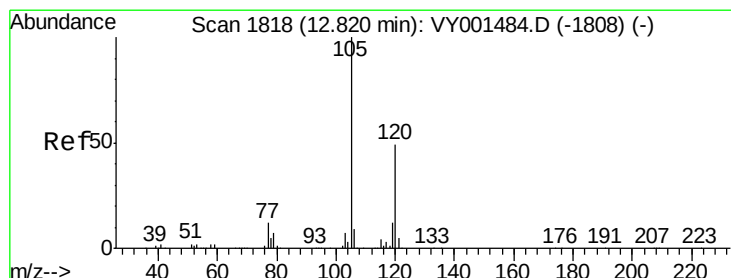
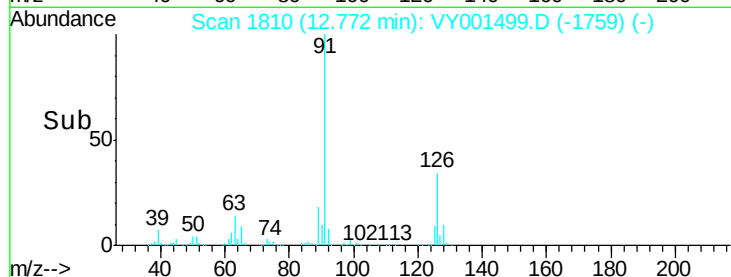
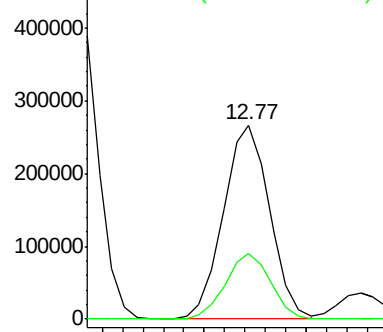
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.239 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001499.D

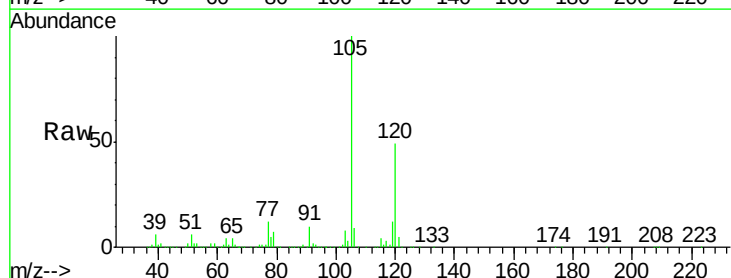
Acq: 05 Feb 2020 10:43

Tgt Ion: 105 Resp: 521641

Ion Ratio Lower Upper

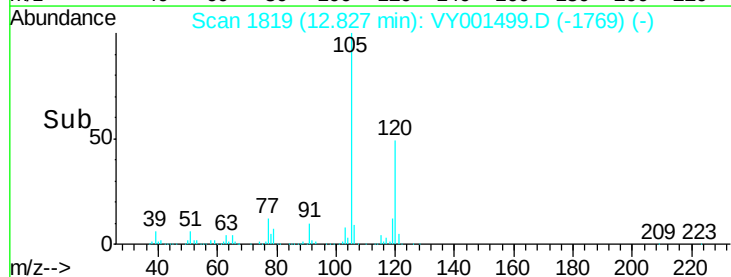
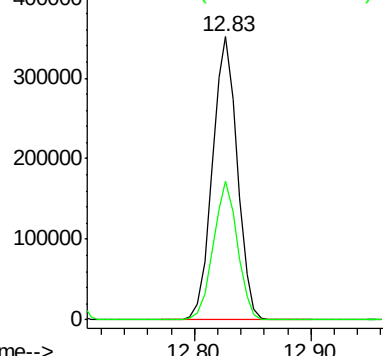
105 100

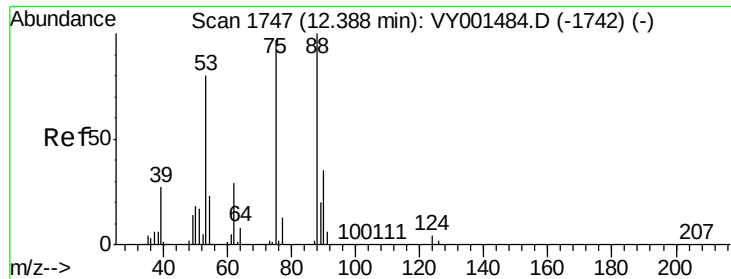
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.697 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Instrument :

MSVOA_Y

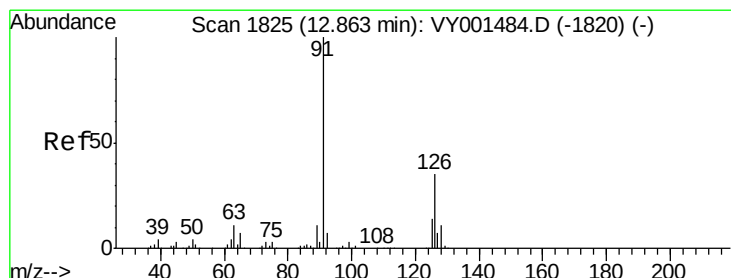
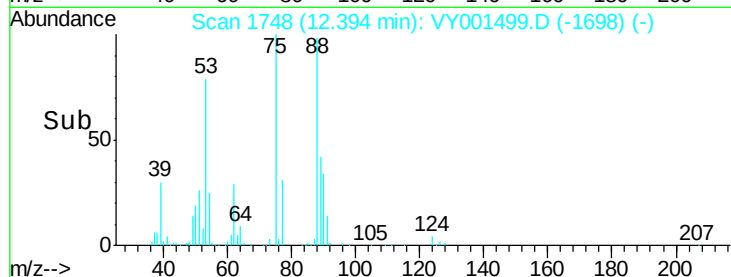
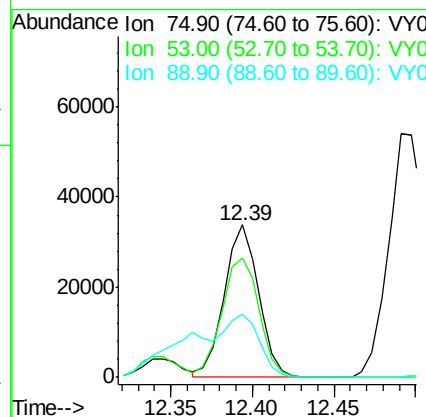
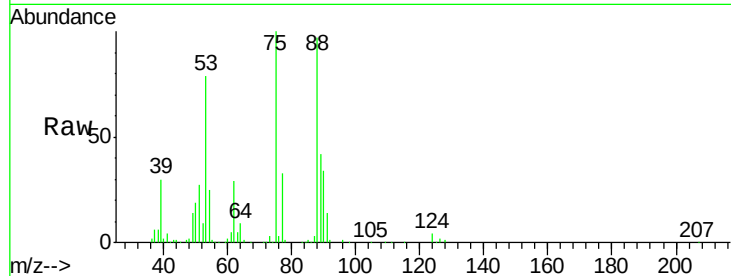
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	49308
Ion	Ratio	Lower	Upper
75	100		
53	85.2	67.7	101.5
89	43.1	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.701 ug/l

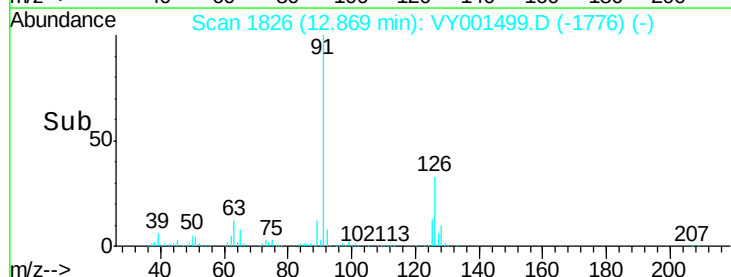
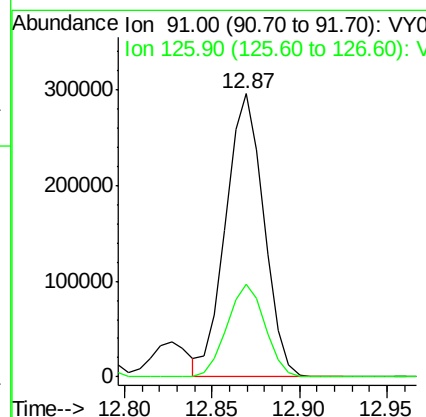
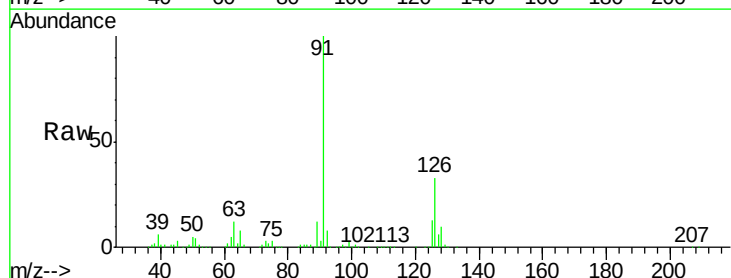
RT: 12.87 min Scan# 1826

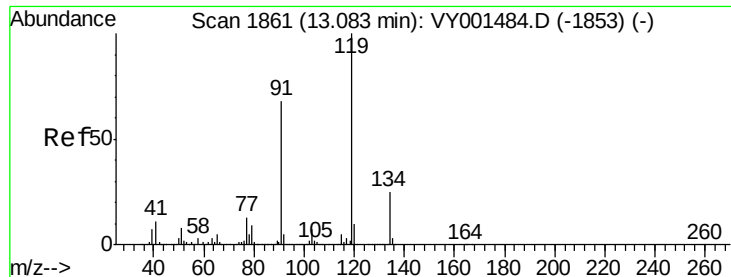
Delta R.T. 0.01 min

Lab File: VY001499.D

Acq: 05 Feb 2020 10:43

Tgt Ion:	91	Resp:	447410
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.5	49.5





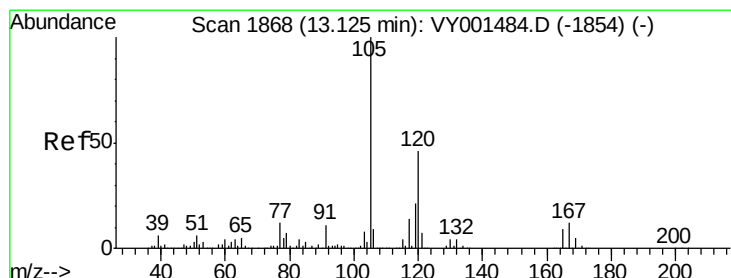
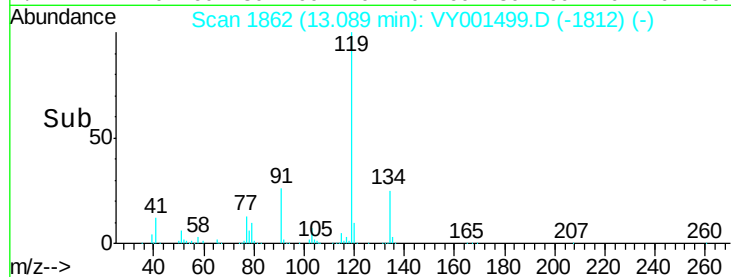
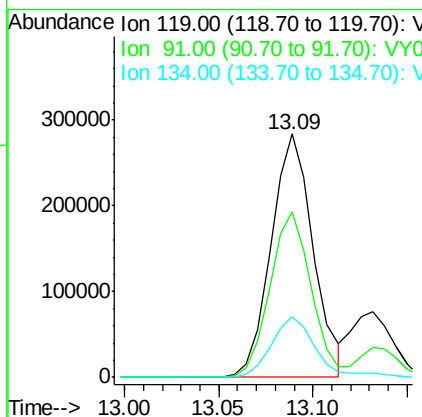
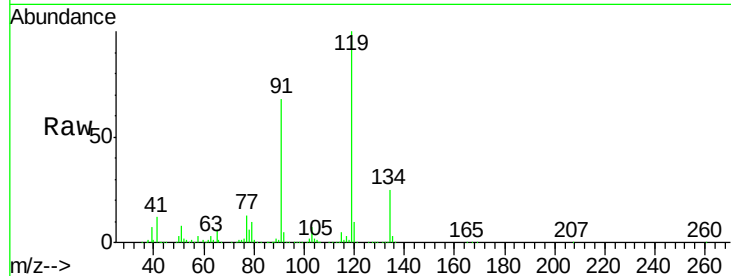
#83
 tert-Butylbenzene
 Concen: 48.020 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.1	99.3
134	26.4	13.0	39.0

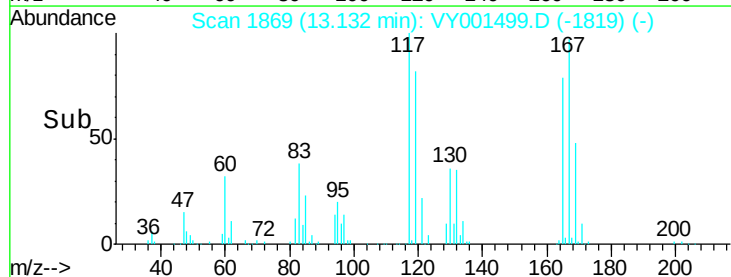
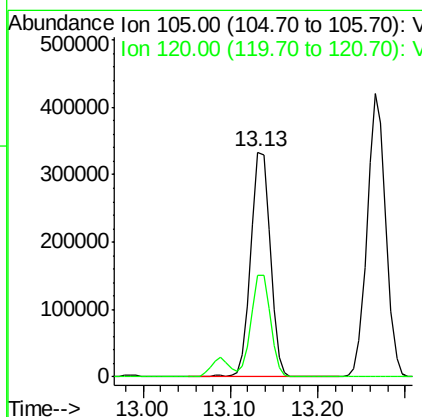
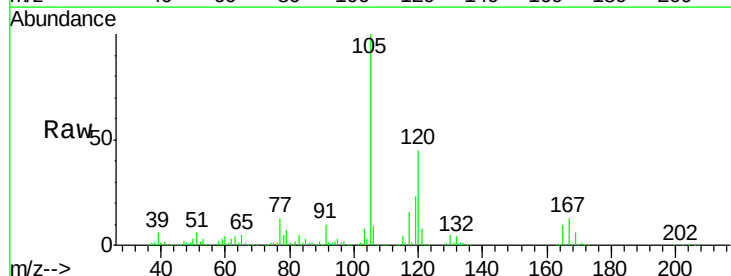
Manual Integrations
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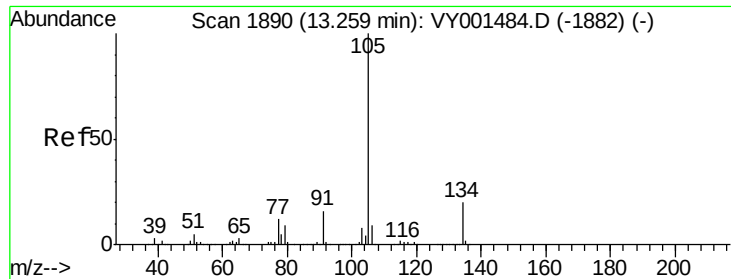
MMDadoda
 2/6/2020 12:46:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.871 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





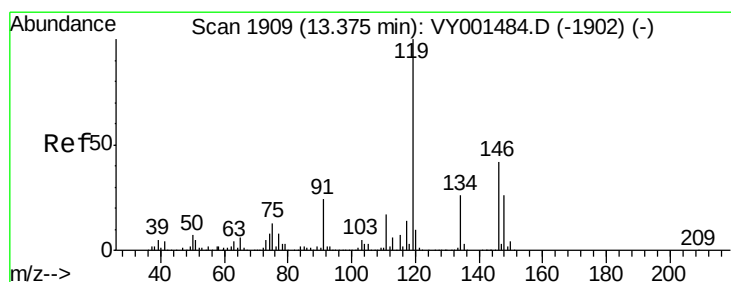
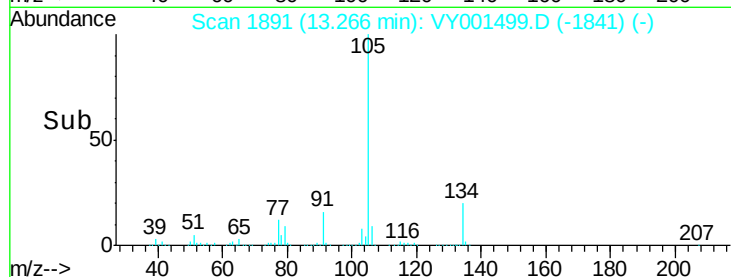
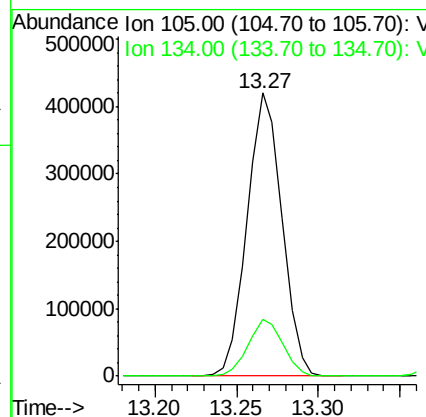
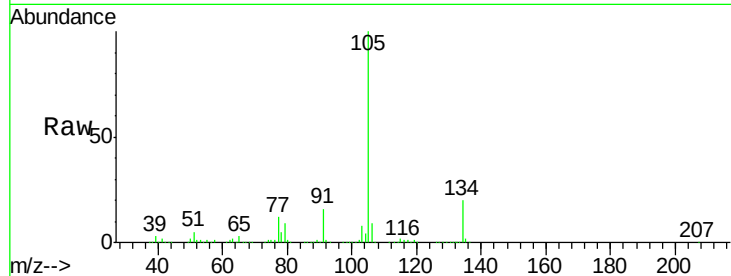
#85
 sec-Butylbenzene
 Concen: 48.647 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	29.8

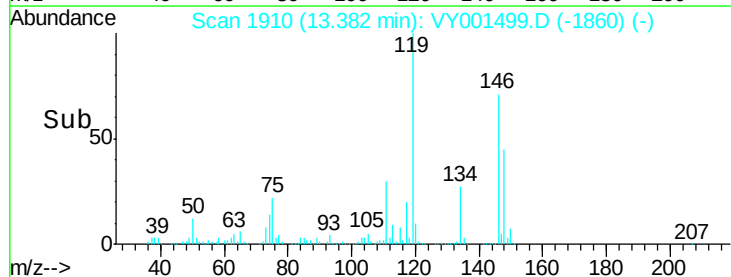
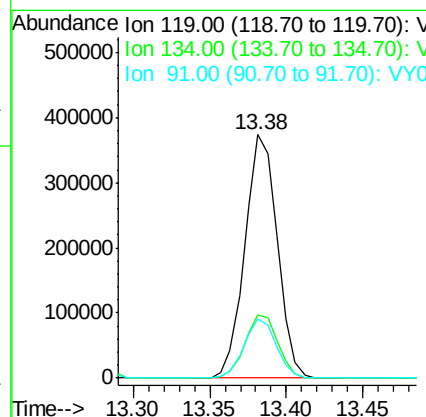
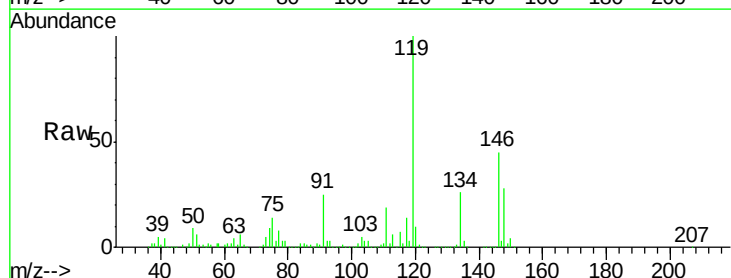
Manual Integrations
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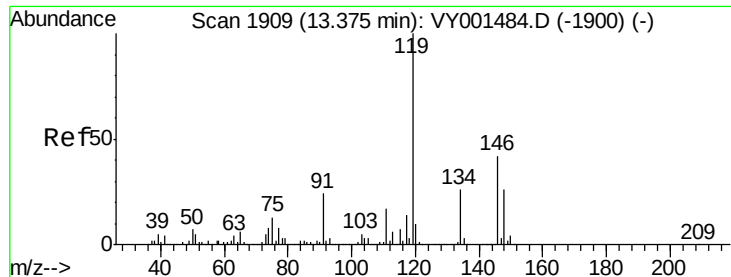
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 2/6/2020 12:46:50 PM



#86
 p-Isopropyltoluene
 Concen: 48.484 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	24.1	12.2	36.6





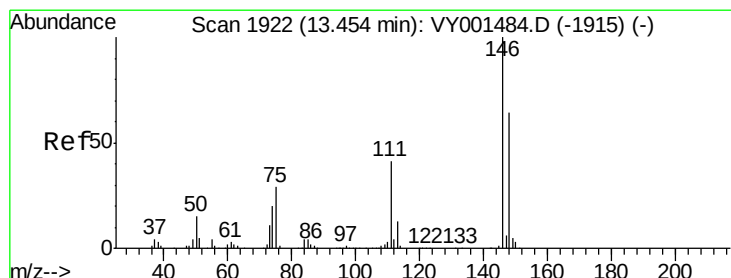
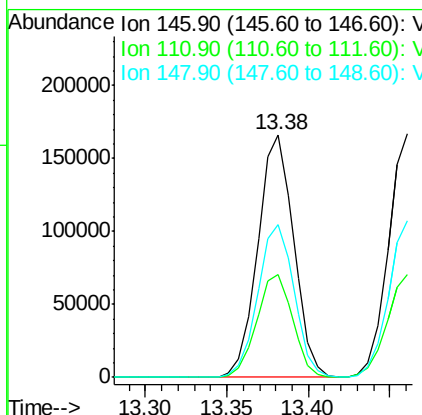
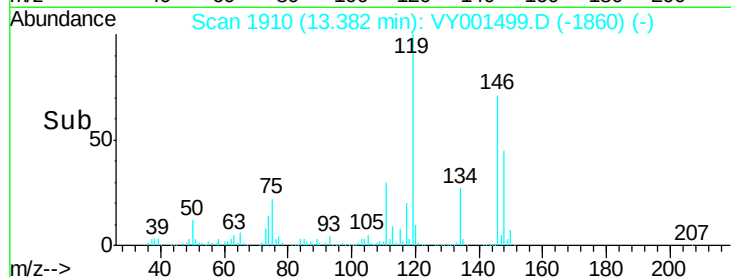
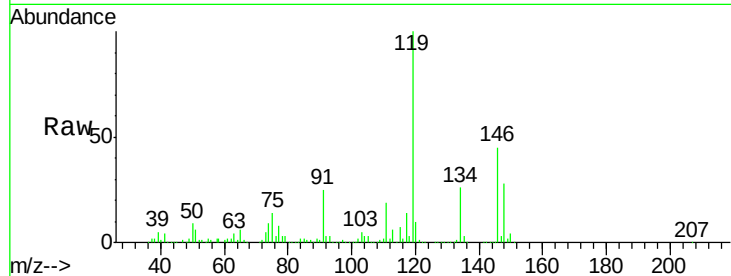
#87
 1,3-Dichlorobenzene
 Concen: 47.687 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253951		
111	42.8	21.3	63.9	
148	63.8	31.9	95.7	

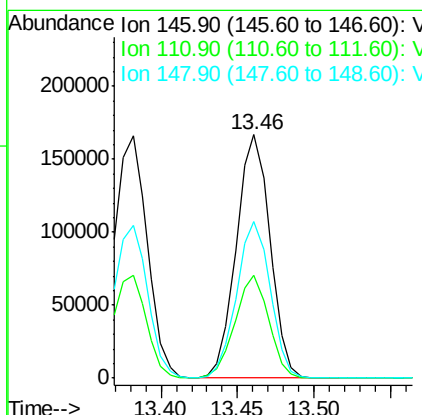
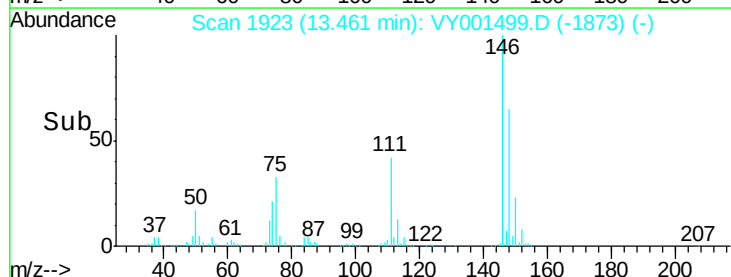
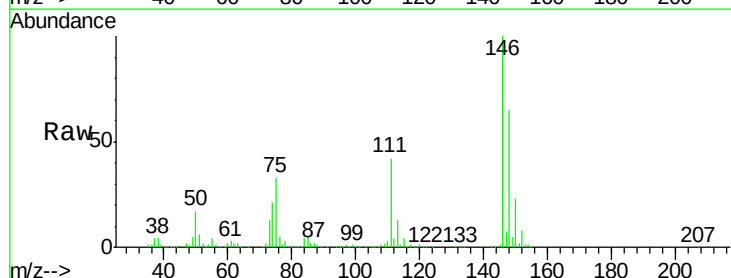
Manual Integrations
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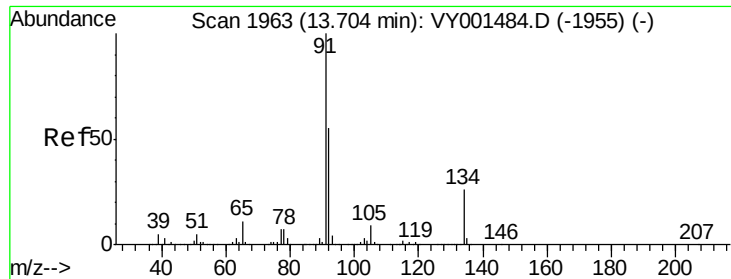
MMDadoda
 2/6/2020 12:46:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.910 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	255606		
111	42.1	20.7	62.1	
148	64.3	32.1	96.5	





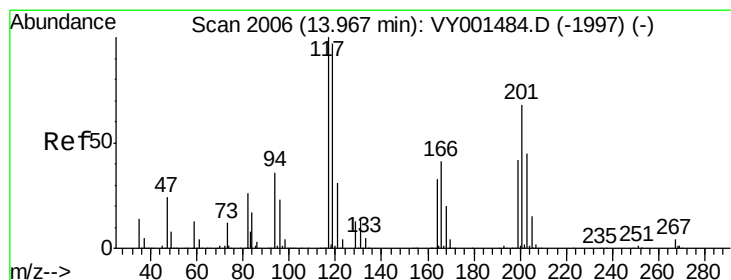
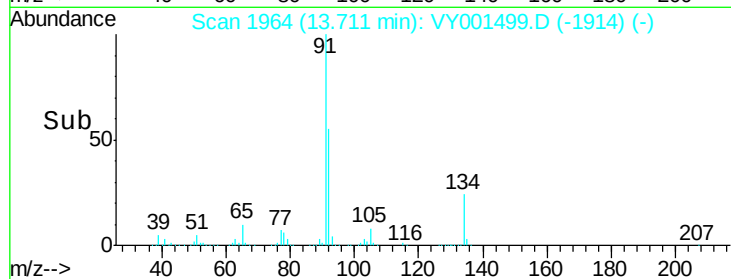
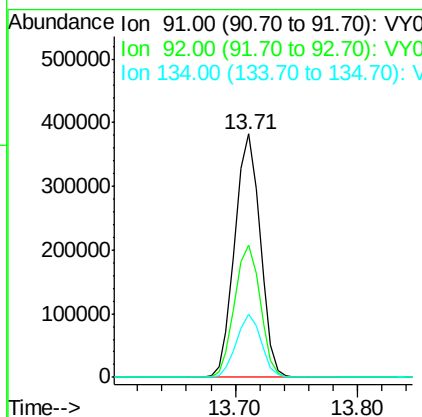
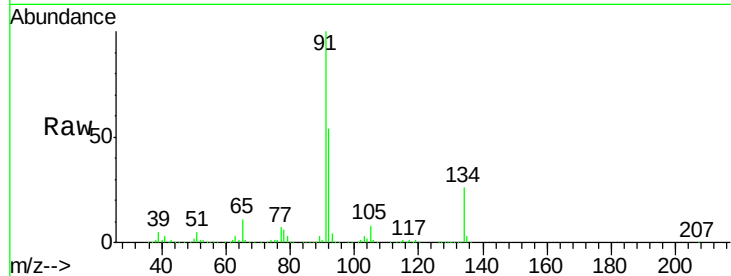
#89
n-Butylbenzene
Concen: 49.197 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.3	81.9
134	25.4	13.0	38.9

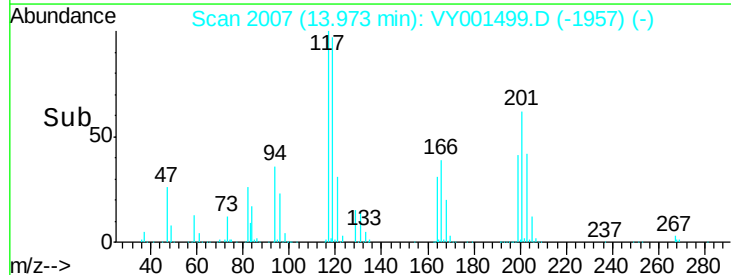
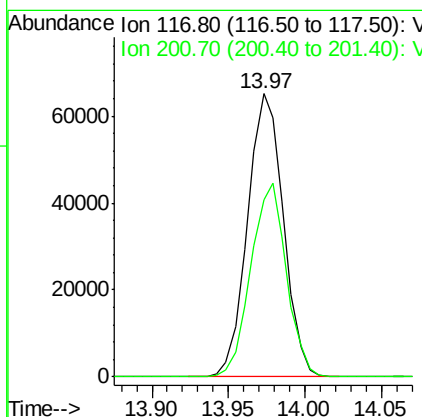
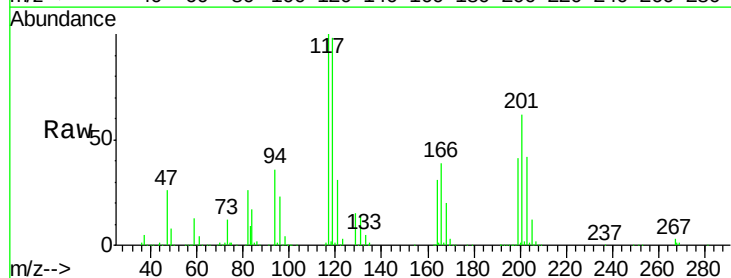
Manual Integrations
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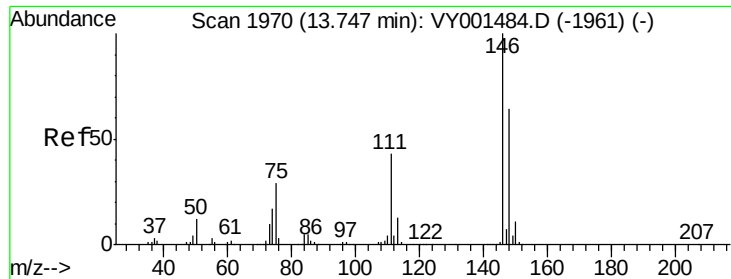
MMDadoda
2/6/2020 12:46:50 PM



#90
Hexachloroethane
Concen: 48.830 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.1	102.3





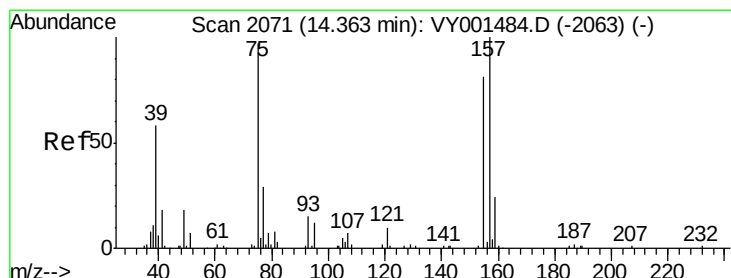
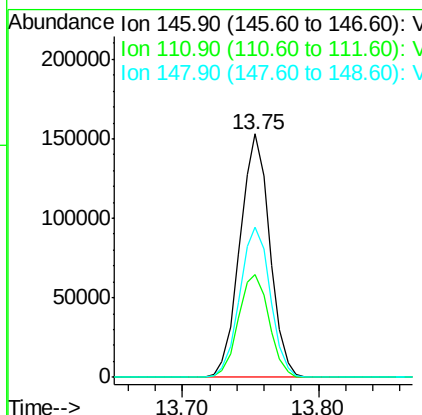
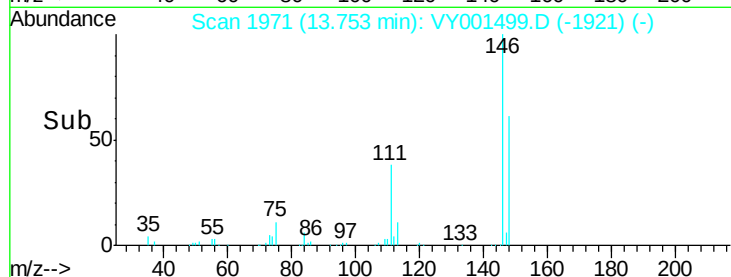
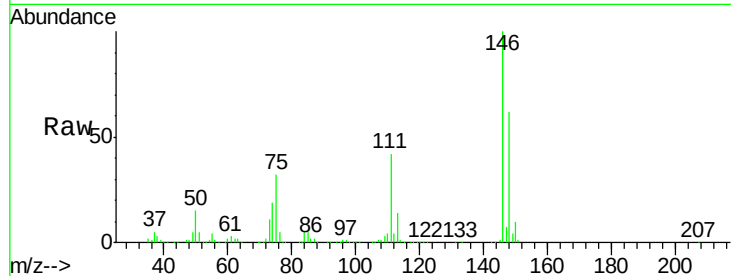
#91
 1,2-Dichlorobenzene
 Concen: 48.521 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	63.1	31.8	95.3

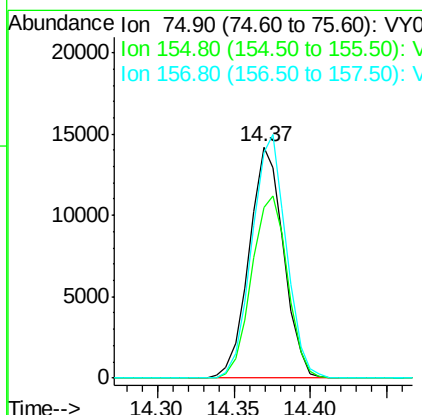
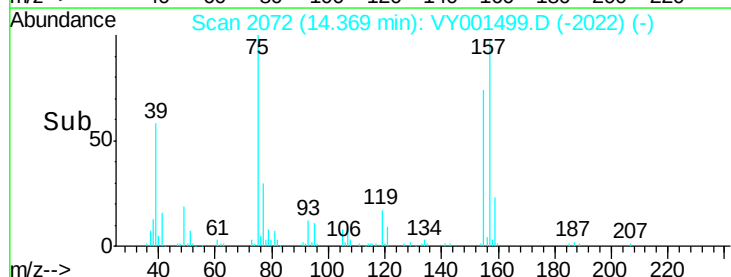
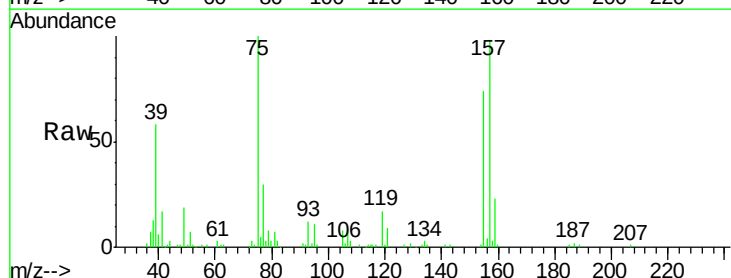
Manual Integrations
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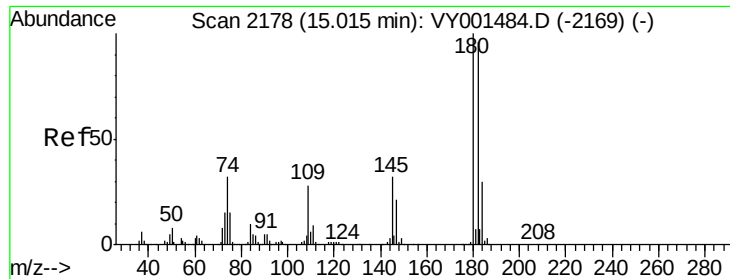
MMDadoda
 2/6/2020 12:46:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.425 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.7	122.1
157	104.8	52.3	157.1





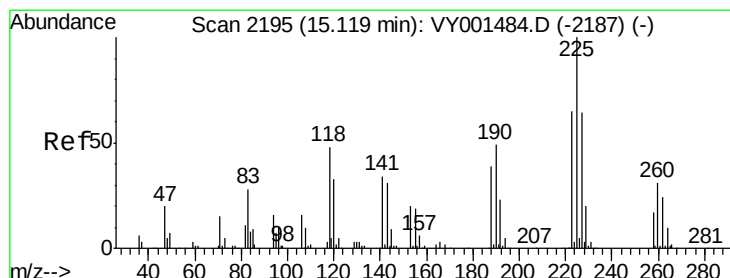
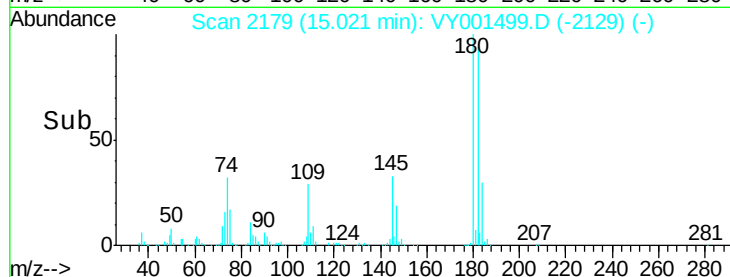
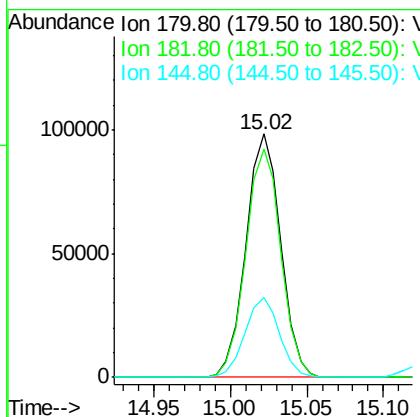
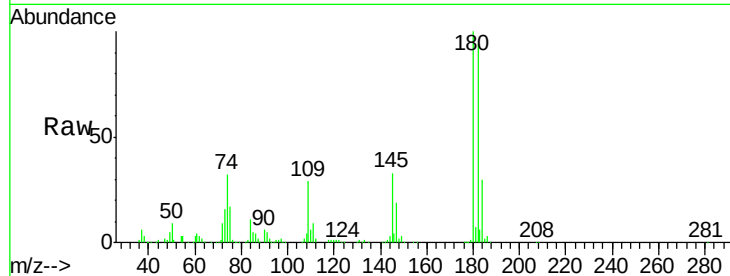
#93
 1,2,4-Trichlorobenzene
 Concen: 47.702 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155134		
182	94.7	46.9	140.7	
145	32.7	16.8	50.3	

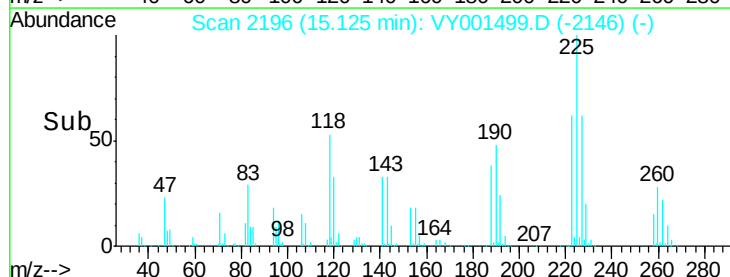
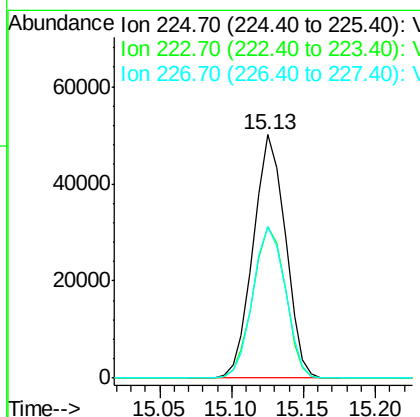
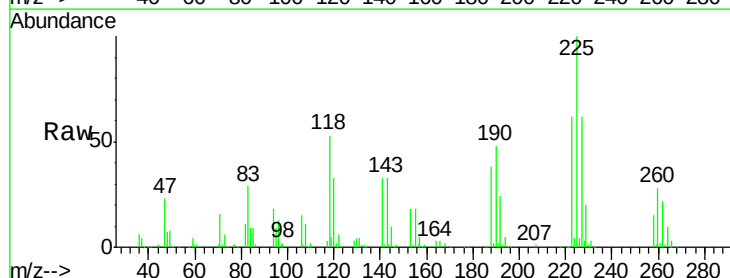
Manual Integrations
 APPROVED

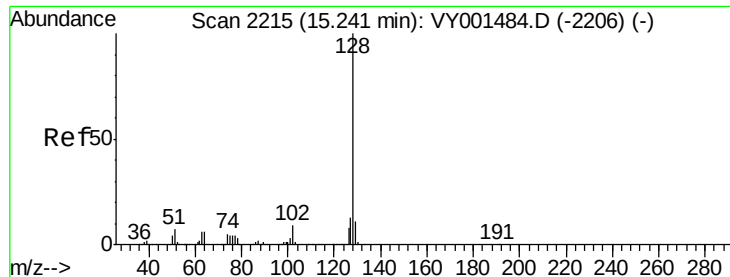
MMDadoda
 2/6/2020 12:46:50 PM



#94
 Hexachlorobutadiene
 Concen: 47.043 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001499.D
 Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77647		
223	62.6	31.9	95.7	
227	62.8	32.6	97.7	





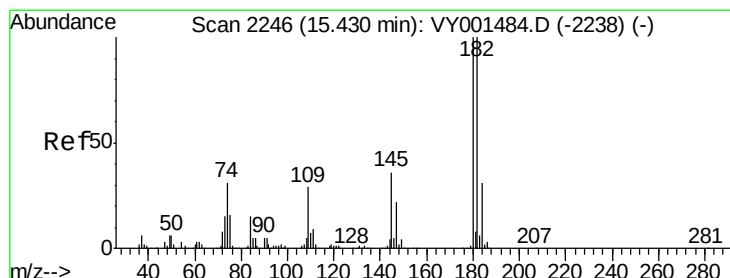
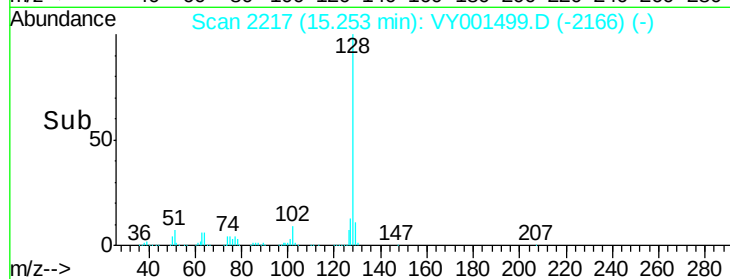
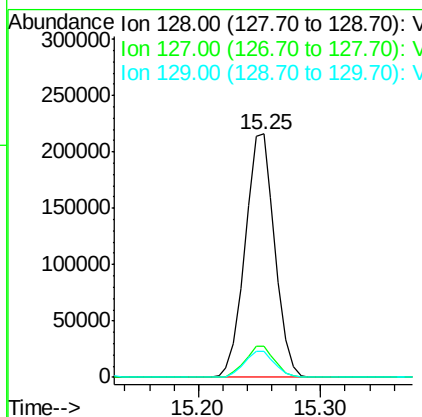
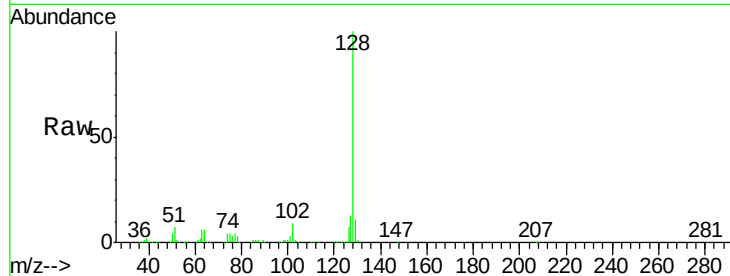
#95
Naphthalene
Concen: 47.407 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	362345		
127	12.7		10.1	15.1
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/6/2020 12:46:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.393 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001499.D
Acq: 05 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136054		
182	94.4		48.0	144.2
145	35.0		17.8	53.5

