

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001524.D
 Acq On : 06 Feb 2020 11:44
 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

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 2/7/2020 4:50:41 PM

Quant Time: Feb 07 04:13:23 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	232414	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	408763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	366250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	176374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	116730	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.75	113	108733	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	10.20	98	440310	49.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.49	95	165170	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	91634	40.278	ug/l	98
3) Chloromethane	2.13	50	118163	49.694	ug/l	96
4) Vinyl Chloride	2.27	62	125301	50.750	ug/l	98
5) Bromomethane	2.67	94	80903	52.103	ug/l	100
6) Chloroethane	2.82	64	76345	51.299	ug/l	98
7) Trichlorofluoromethane	3.15	101	161645	39.553	ug/l	97
8) Diethyl Ether	3.56	74	60566	43.917	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	102130	41.534	ug/l	99
10) Methyl Iodide	4.13	142	129988	41.487	ug/l	98
11) Tert butyl alcohol	5.00	59	57308	212.740	ug/l	99
12) 1,1-Dichloroethene	3.91	96	103335	42.289	ug/l	98
13) Acrolein	3.76	56	61472	277.428	ug/l	99
14) Allyl chloride	4.52	41	180826	48.375	ug/l	97
15) Acrylonitrile	5.21	53	160495	253.855	ug/l	99
16) Acetone	3.98	43	174499	257.795	ug/l	93
17) Carbon Disulfide	4.23	76	341329	43.879	ug/l	100
18) Methyl Acetate	4.52	43	72326	50.071	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	285328	43.908	ug/l	96
20) Methylene Chloride	4.75	84	117986	43.944	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	118640	43.675	ug/l	94
22) Diisopropyl ether	6.16	45	369912	49.949	ug/l	95
23) Vinyl Acetate	6.10	43	1244371	263.946	ug/l	96
24) 1,1-Dichloroethane	6.06	63	201953	45.336	ug/l	98
25) 2-Butanone	7.02	43	237727	270.710	ug/l	96
26) 2,2-Dichloropropane	7.02	77	182455	42.797	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	131372	44.278	ug/l	97
28) Bromochloromethane	7.37	49	90889	59.894	ug/l	91
29) Tetrahydrofuran	7.38	42	142294	270.344	ug/l	95
30) Chloroform	7.54	83	195332	43.290	ug/l	98
31) Cyclohexane	7.82	56	202895	44.527	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	171678	41.965	ug/l	98
36) 1,1-Dichloropropene	7.95	75	160749	42.988	ug/l	99
37) Ethyl Acetate	7.11	43	94678	52.302	ug/l	97
38) Carbon Tetrachloride	7.93	117	149321	41.273	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	215512	43.770	ug/l	99
40) Benzene	8.19	78	470251	44.089	ug/l	99
41) Methacrylonitrile	7.35	41	37470m	44.661	ug/l	
42) 1,2-Dichloroethane	8.27	62	131444	44.234	ug/l	99
43) Isopropyl Acetate	8.30	43	187176	52.223	ug/l	94
44) Trichloroethene	8.96	130	121768	42.354	ug/l	99
45) 1,2-Dichloropropane	9.24	63	119376	46.349	ug/l	99
46) Dibromomethane	9.33	93	64217	44.402	ug/l	100
47) Bromodichloromethane	9.52	83	153033	43.428	ug/l	100
48) Methyl methacrylate	9.31	41	84982	52.241	ug/l	94
49) 1,4-Dioxane	9.32	88	16739	876.390	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	477070	270.279	ug/l	96
52) Toluene	10.26	92	299833	44.304	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	174898	45.569	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	195180	44.296	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	94598	45.589	ug/l	97
56) Ethyl methacrylate	10.52	69	142680	48.344	ug/l	93
57) 1,3-Dichloropropane	10.80	76	164504	44.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	299641	275.981	ug/l	95
59) 2-Hexanone	10.85	43	360546	280.934	ug/l	96
60) Dibromochloromethane	11.00	129	106657	43.606	ug/l	99
61) 1,2-Dibromoethane	11.10	107	90795	44.425	ug/l	100
64) Tetrachloroethene	10.74	164	98360	40.951	ug/l	98
65) Chlorobenzene	11.53	112	310108	43.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	107058	42.536	ug/l	99
67) Ethyl Benzene	11.61	91	576958	43.392	ug/l	100
68) m/p-Xylenes	11.71	106	437478	87.644	ug/l	99
69) o-Xylene	12.04	106	205796	43.727	ug/l	97
70) Styrene	12.06	104	364408	44.775	ug/l	99
71) Bromoform	12.22	173	63257	45.136	ug/l #	99
73) Isopropylbenzene	12.34	105	560578	41.673	ug/l	100
74) N-amyl acetate	12.16	43	181822	52.016	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	120124	47.002	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	83950m	44.260	ug/l	
77) Bromobenzene	12.62	156	122342	42.026	ug/l	94
78) n-propylbenzene	12.68	91	693453	43.061	ug/l	99
79) 2-Chlorotoluene	12.77	91	387721	42.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	468366	41.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	47344	48.298	ug/l	98
82) 4-Chlorotoluene	12.86	91	407644	42.355	ug/l	100
83) tert-Butylbenzene	13.08	119	391931	40.929	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	470019	41.920	ug/l	99
85) sec-Butylbenzene	13.27	105	571179	42.425	ug/l	99
86) p-Isopropyltoluene	13.38	119	505894	42.640	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	235205	42.159	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	238201	42.618	ug/l	100
89) n-Butylbenzene	13.70	91	513053	43.828	ug/l	99
90) Hexachloroethane	13.97	117	97267	42.714	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	218094	43.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20577	43.613	ug/l	96

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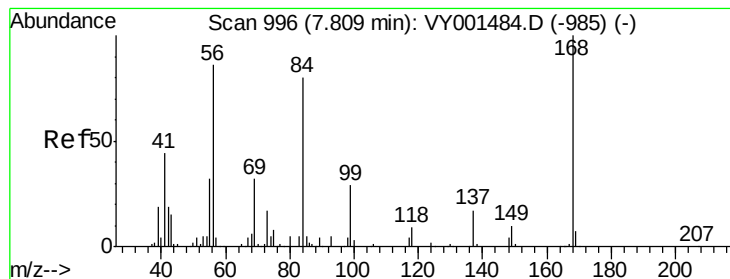
Manual Integrations
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Quant Time: Feb 07 04:13:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142475	41.818	ug/l	97
94) Hexachlorobutadiene	15.12	225	72245	41.780	ug/l	98
95) Naphthalene	15.25	128	336344	42.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	126668	42.118	ug/l	98

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



#1

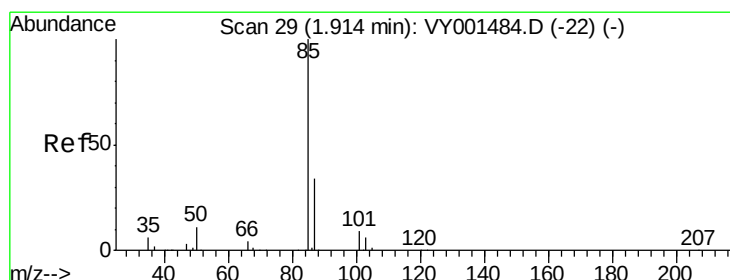
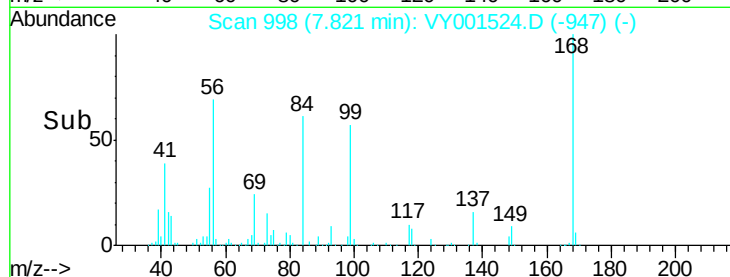
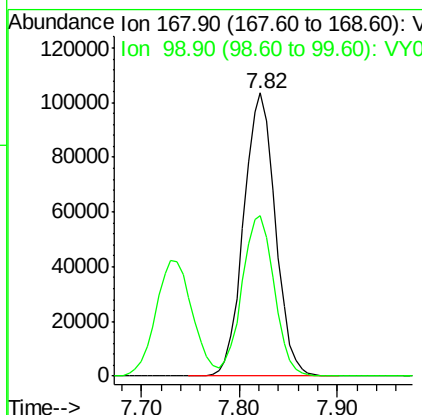
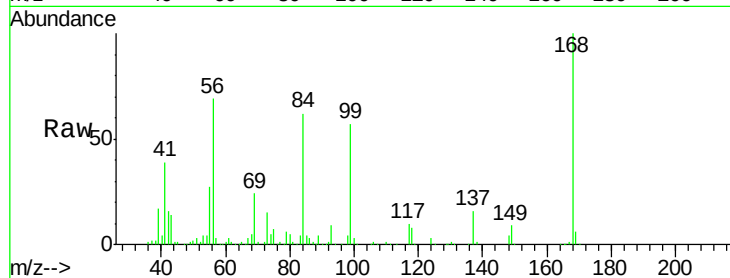
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.6	48.2	72.4

Manual Integrations
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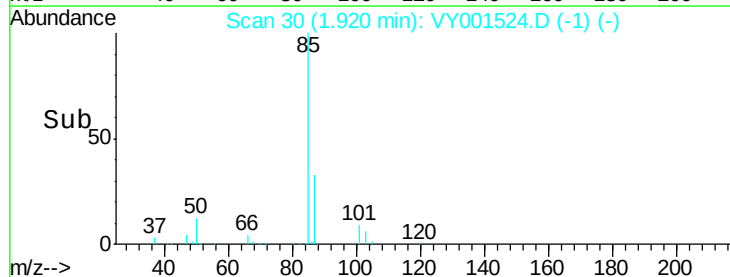
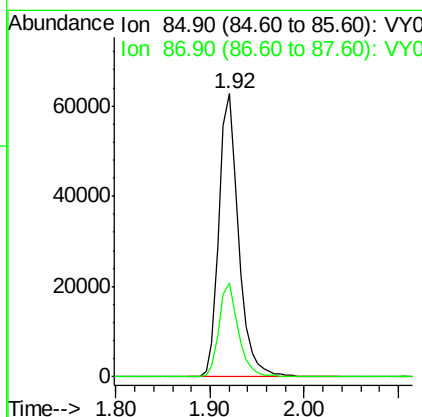
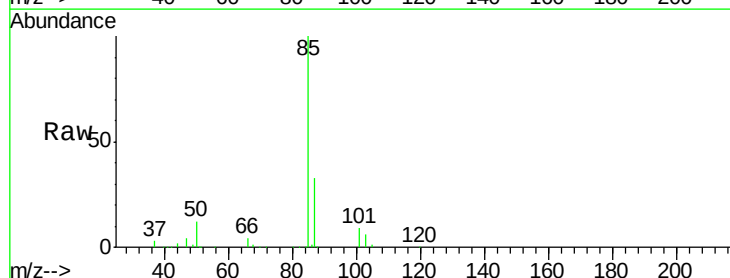
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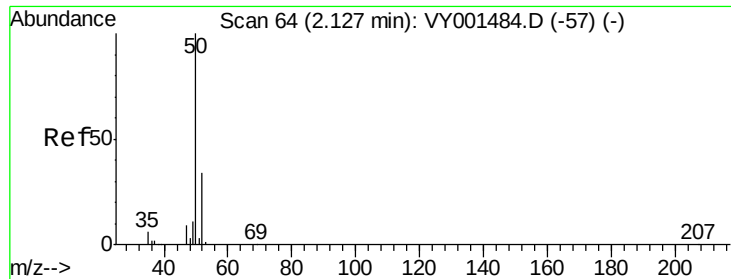


#2

Dichlorodifluoromethane
Concen: 40.278 ug/l
RT: 1.92 min Scan# 30
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.0	50.9





#3

Chloromethane

Concen: 49.694 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tot Ion: 50 Resp: 118163

Ion Ratio Lower Upper

50 100

52 31.6 27.3 40.9

Instrument :

MSVOA_Y

ClientSampleId :

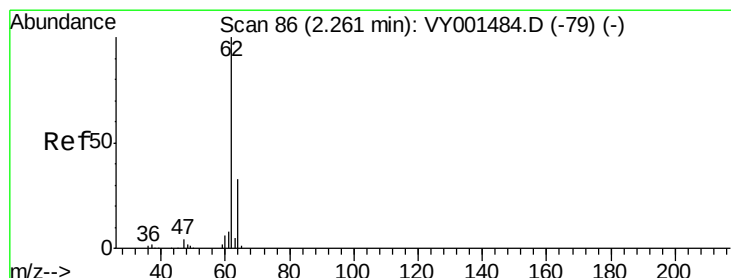
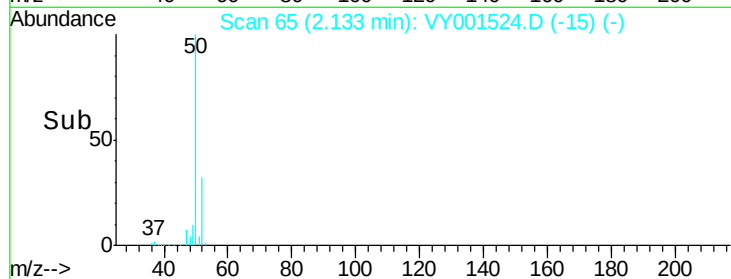
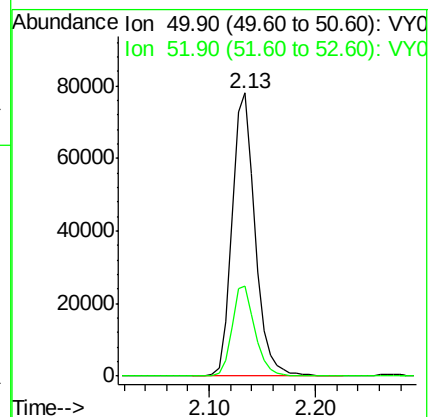
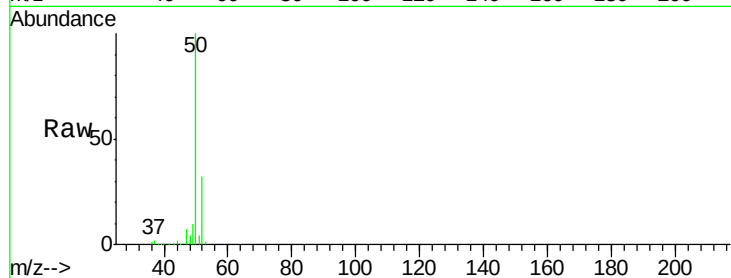
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.750 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001524.D

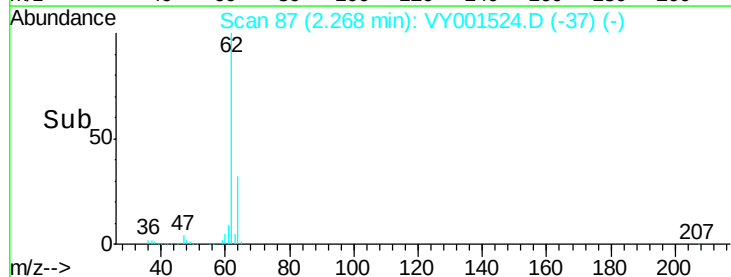
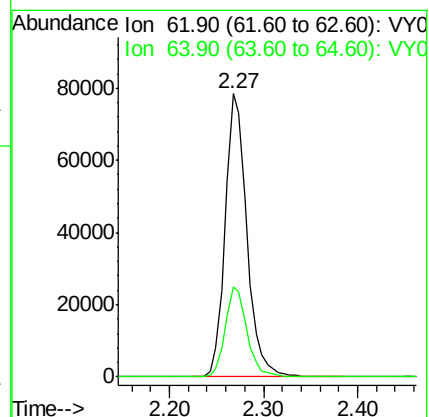
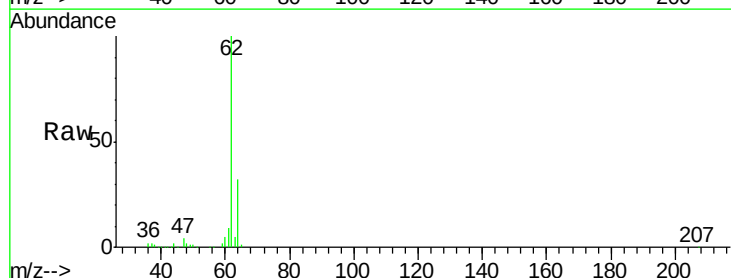
Acq: 06 Feb 2020 11:44

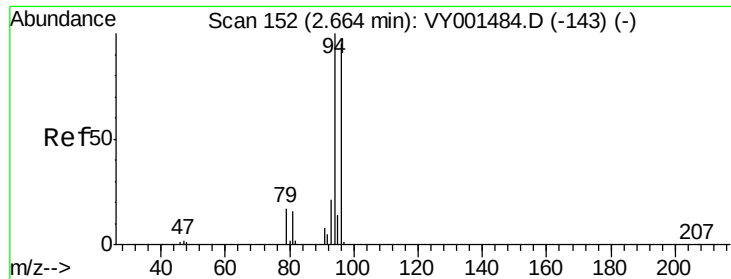
Tgt Ion: 62 Resp: 125301

Ion Ratio Lower Upper

62 100

64 31.8 26.4 39.6





#5

Bromomethane

Concen: 52.103 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80903

Ion Ratio Lower Upper

94 100

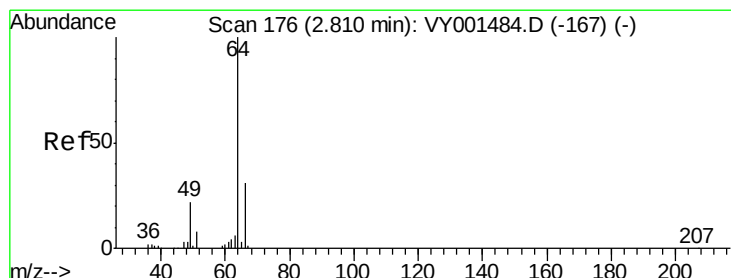
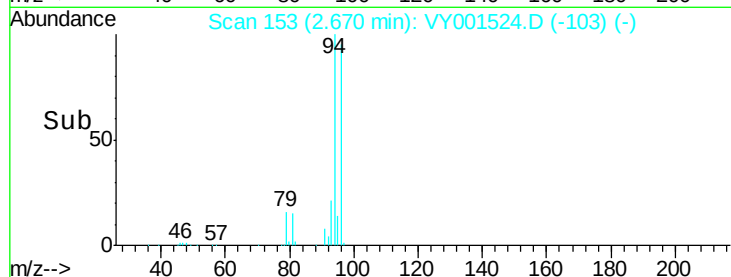
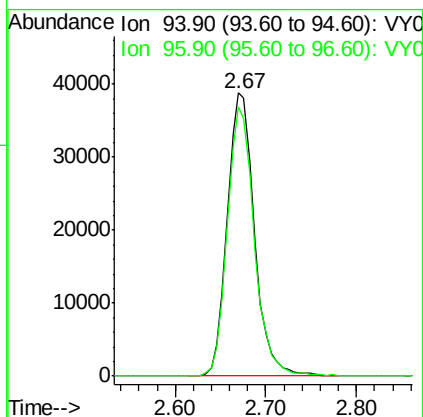
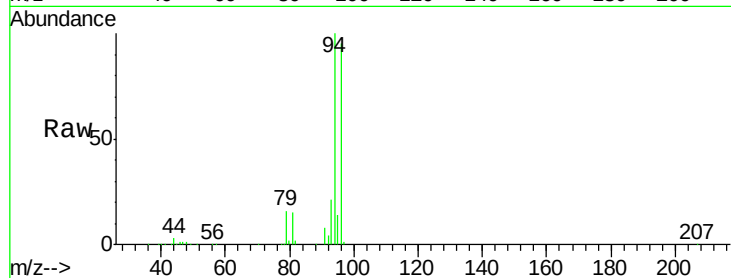
96 95.1 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 51.299 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001524.D

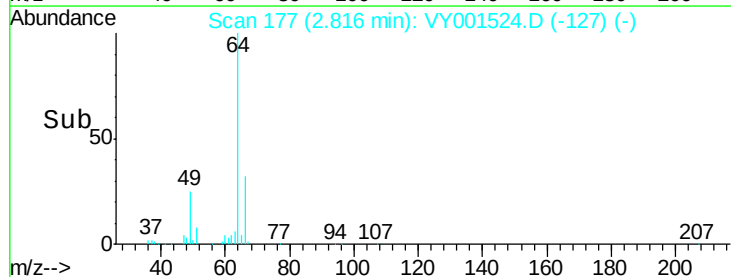
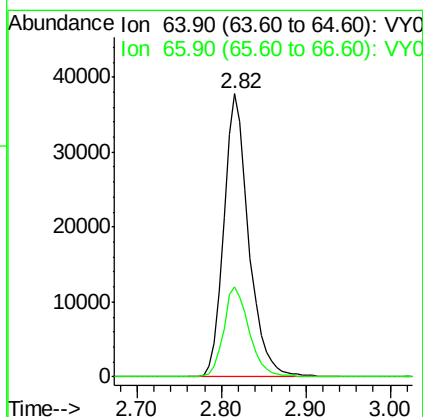
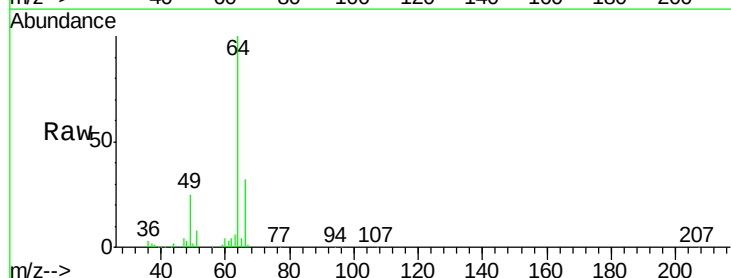
Acq: 06 Feb 2020 11:44

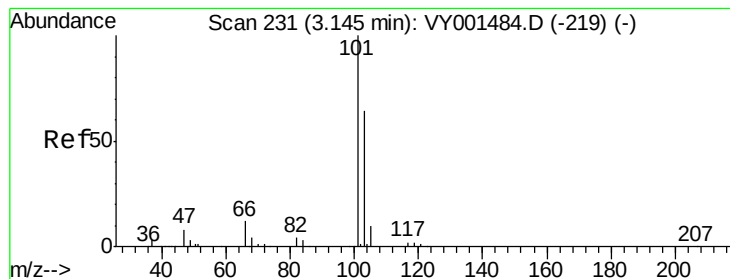
Tgt Ion: 64 Resp: 76345

Ion Ratio Lower Upper

64 100

66 31.9 24.5 36.7





#7

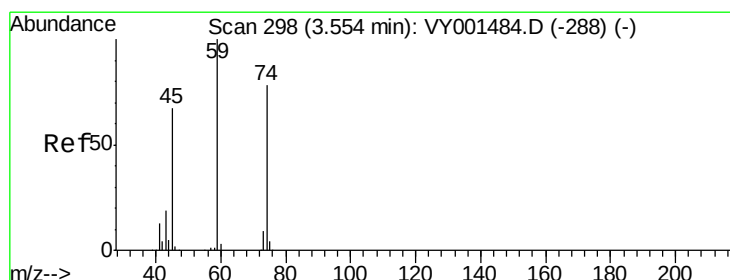
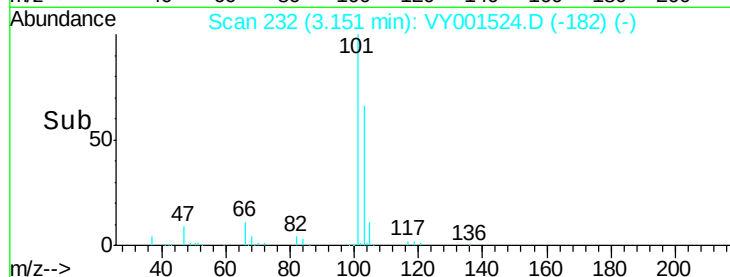
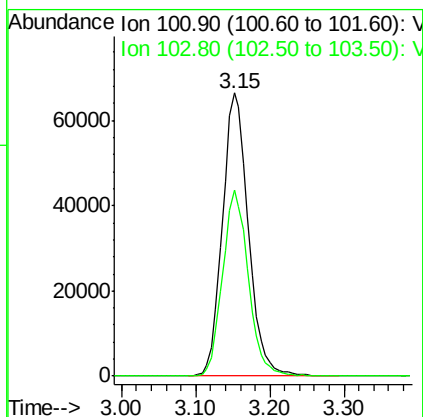
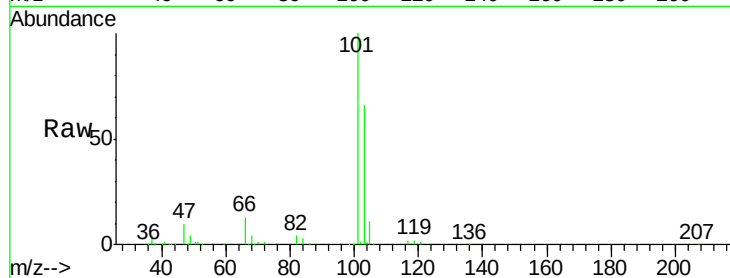
Trichlorofluoromethane
Concen: 39.553 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.9	76.3

Manual Integrations
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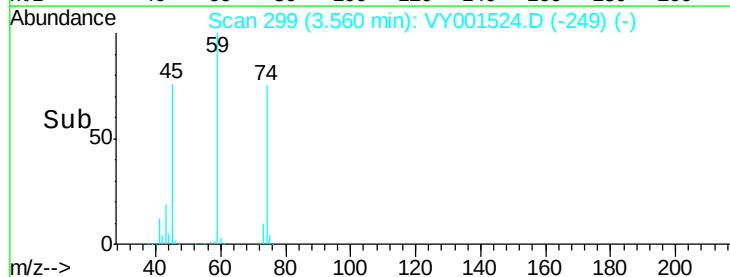
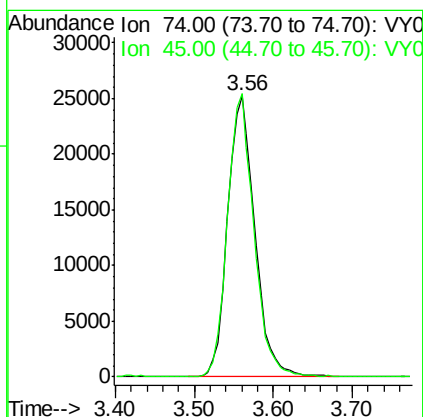
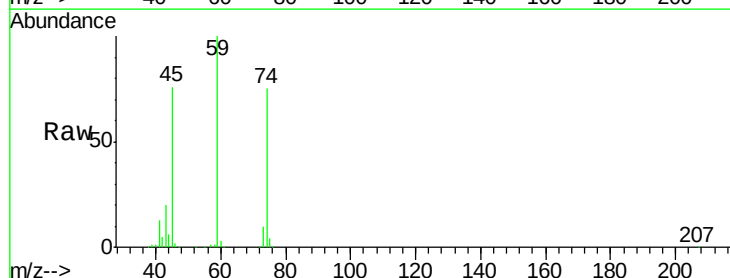
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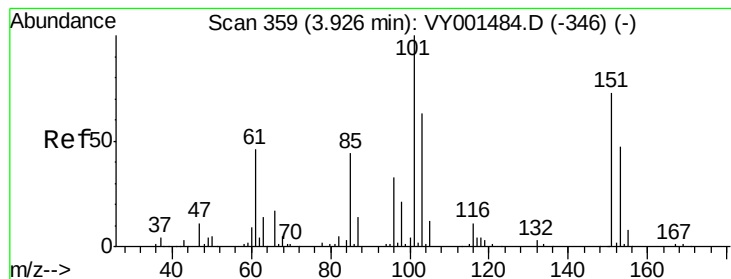


#8

Diethyl Ether
Concen: 43.917 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.534 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

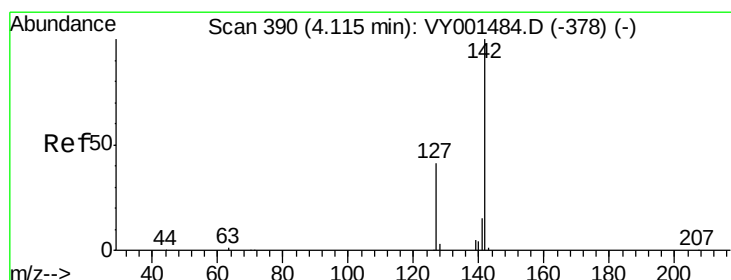
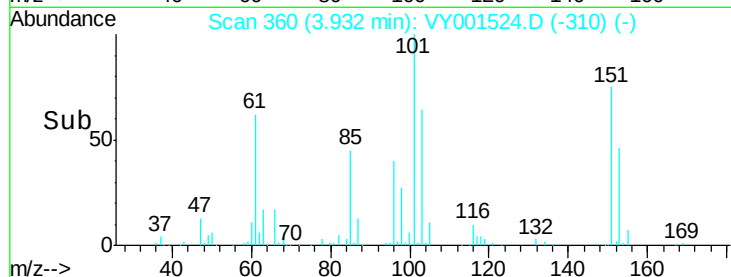
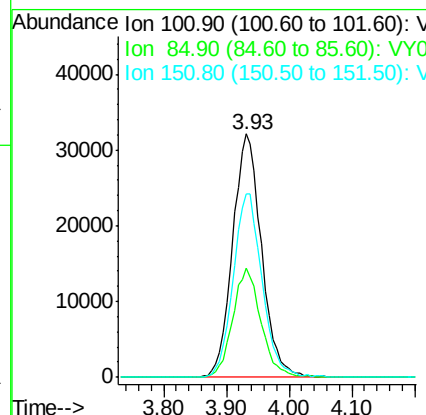
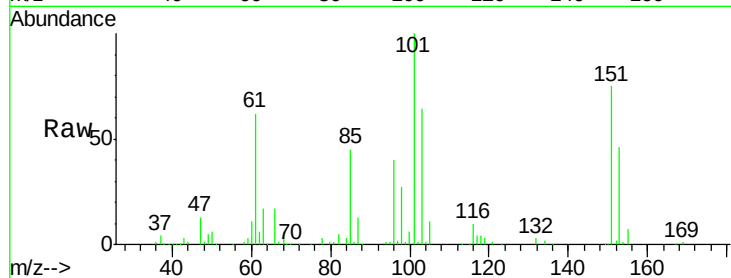
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102130
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.6	51.8
151	75.6	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 41.487 ug/l

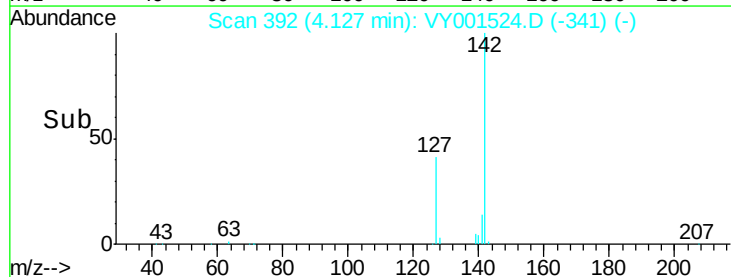
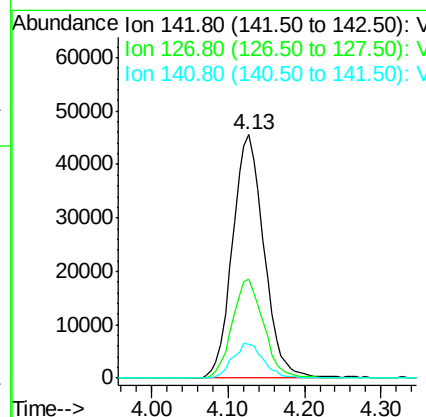
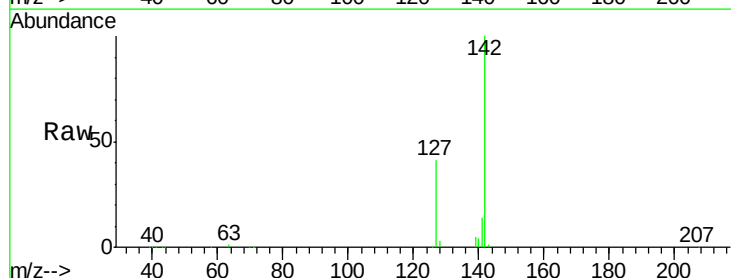
RT: 4.13 min Scan# 392

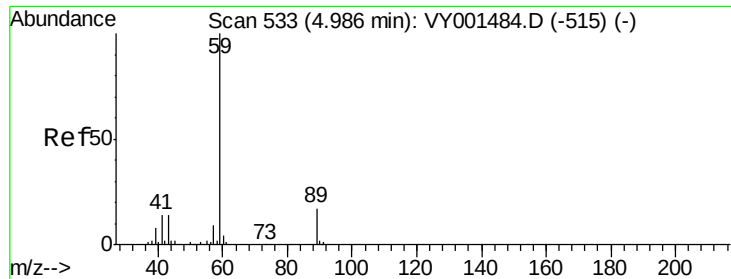
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	142	Resp:	129988
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.3	49.9
141	14.0	11.5	17.3





#11

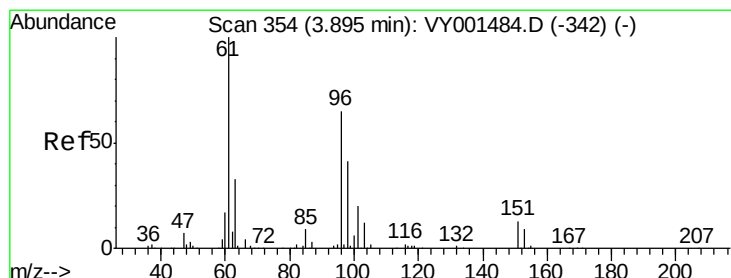
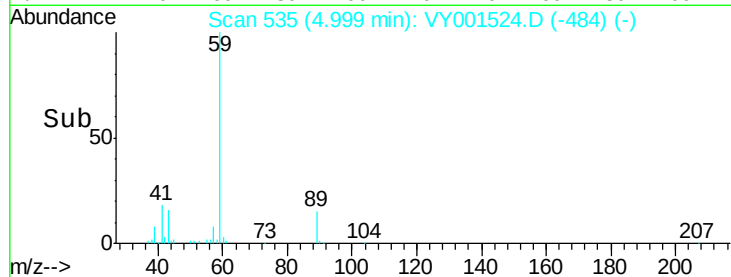
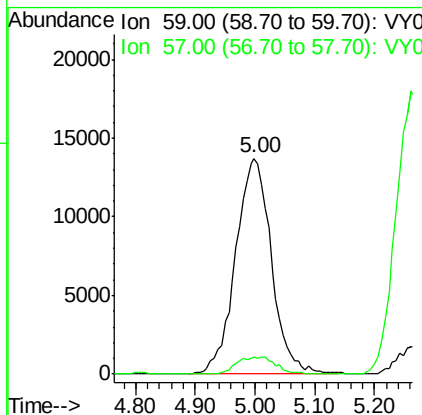
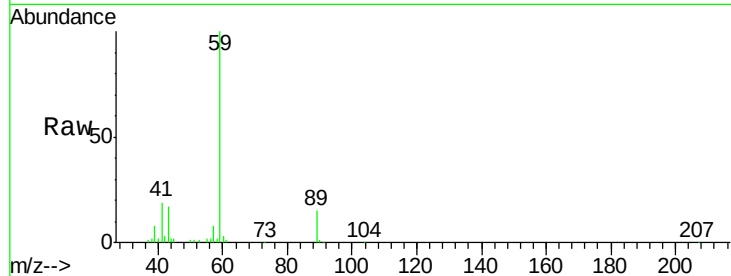
Tert butyl alcohol
Concen: 212.740 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	57308
Ion Ratio	100	Lower	Upper
57	8.6	7.0	10.6

Manual Integrations
APPROVED

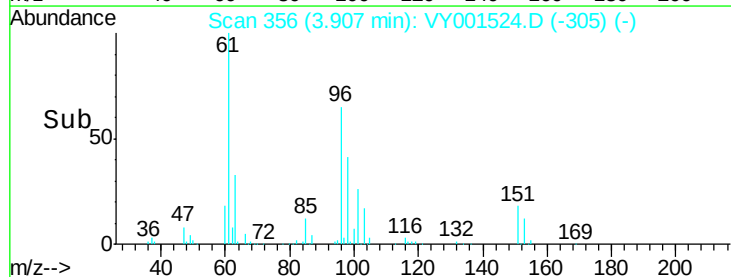
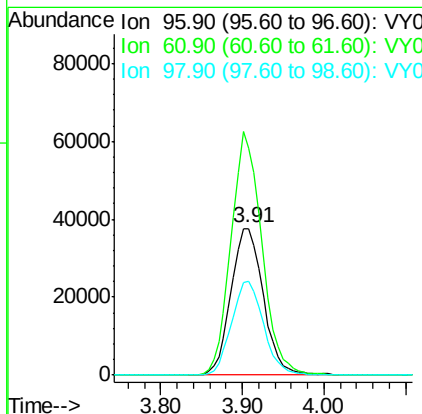
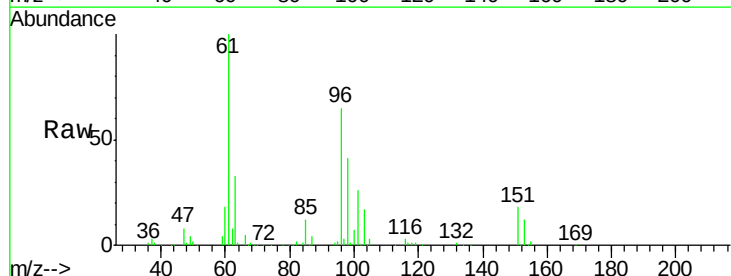
MMDadoda
2/7/2020 4:50:41 PM

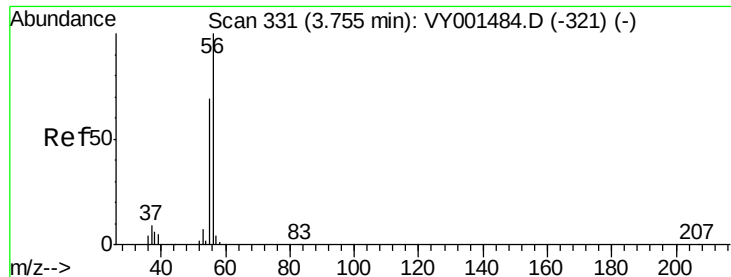


#12

1,1-Dichloroethene
Concen: 42.289 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	96	Resp	103335
Ion Ratio	100	Lower	Upper
61	154.7	122.3	183.5
98	63.8	49.7	74.5





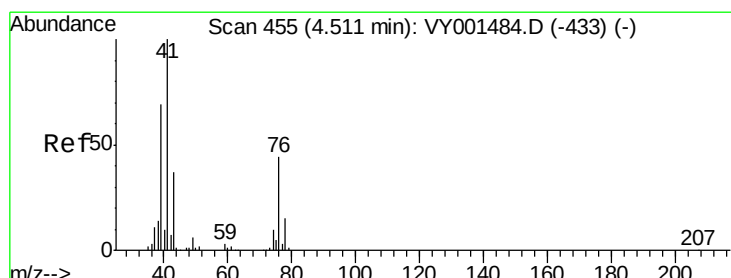
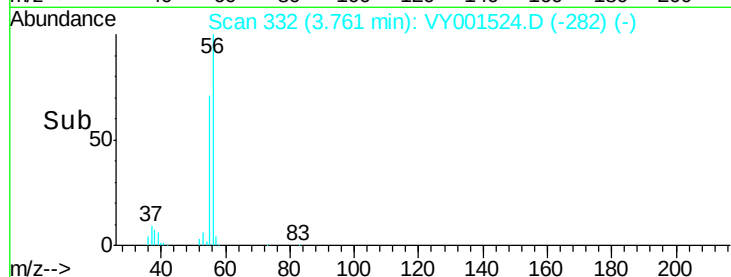
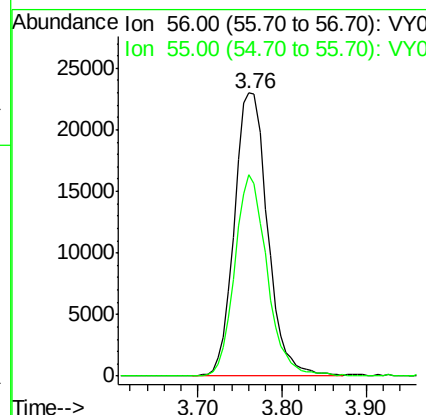
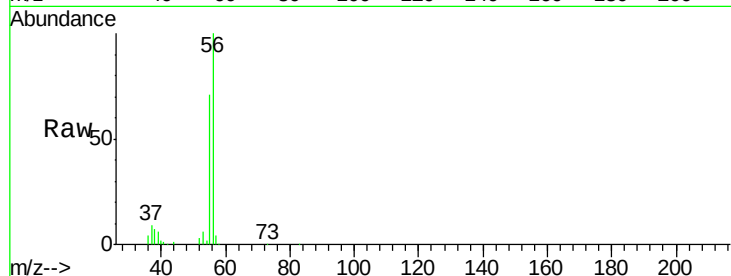
#13
Acrolein
Concen: 277.428 ug/l
RT: 3.76 min Scan# 332
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61472
Ion Ratio	100	Lower	Upper
56	100		
55	69.2	56.2	84.4

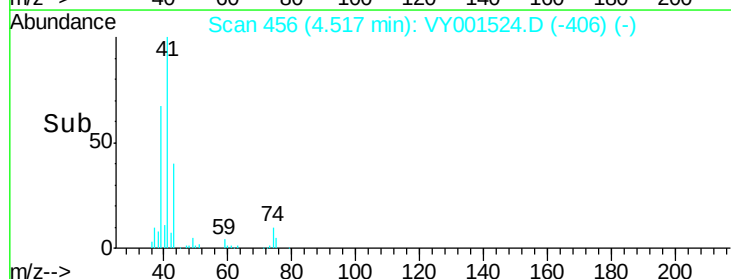
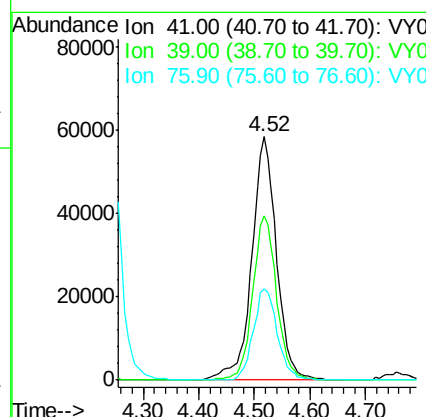
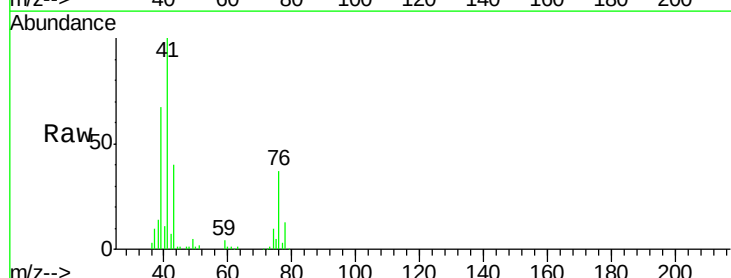
Manual Integrations
APPROVED

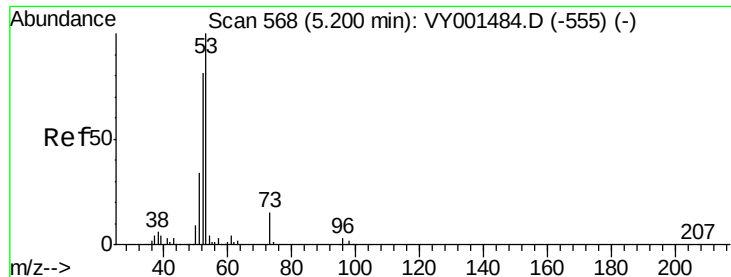
MMDadoda
2/7/2020 4:50:41 PM



#14
Allyl chloride
Concen: 48.375 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	41	Resp	180826
Ion Ratio	100	Lower	Upper
41	100		
39	65.3	53.0	79.6
76	36.6	32.6	48.8





#15

Acrylonitrile

Concen: 253.855 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

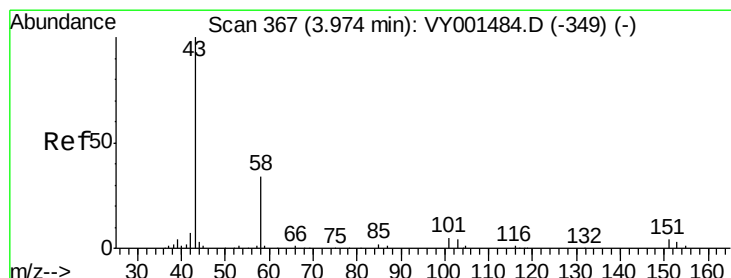
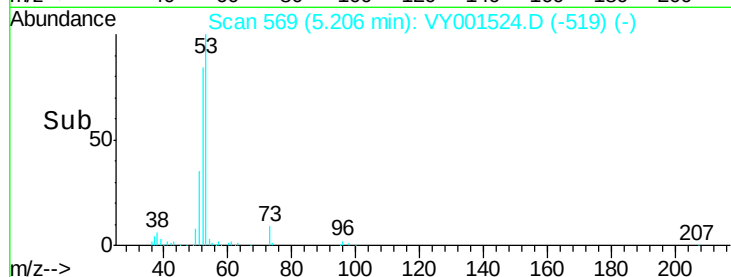
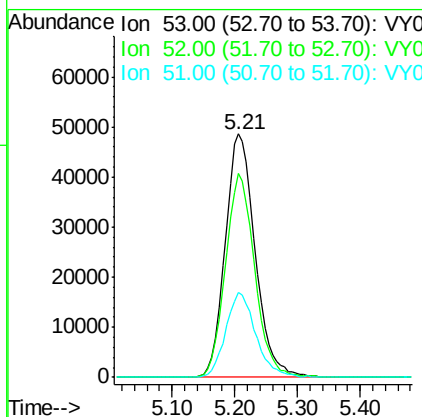
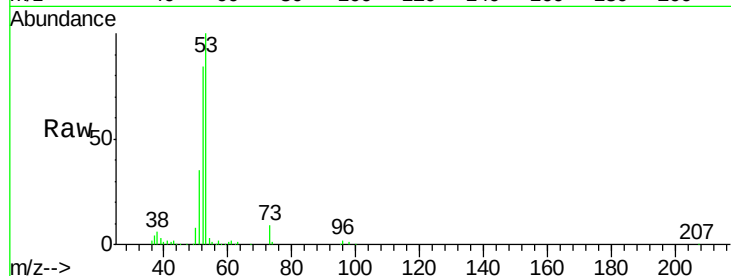
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	160495
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	35.2	29.0	43.4

Manual Integrations
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MMDadoda
2/7/2020 4:50:41 PM



#16

Acetone

Concen: 257.795 ug/l

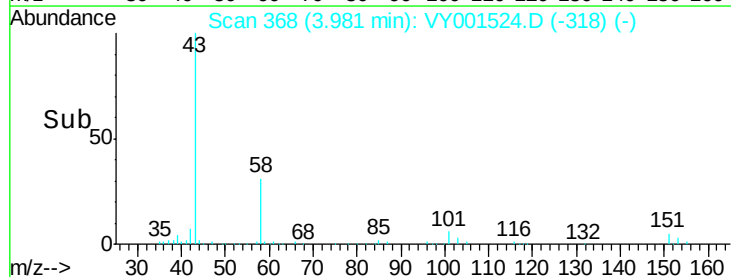
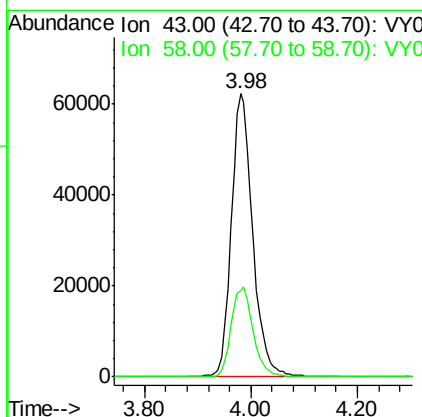
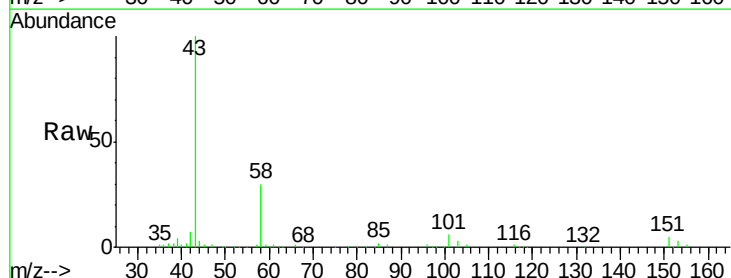
RT: 3.98 min Scan# 368

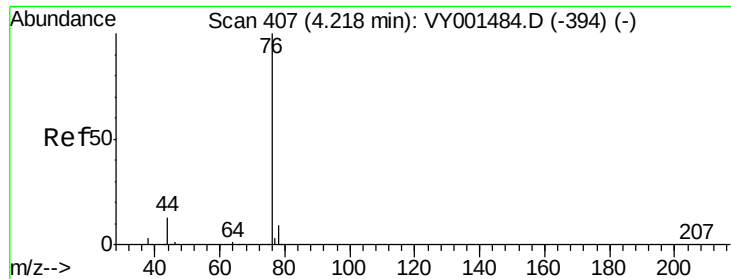
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	43	Resp:	174499
Ion	Ratio	Lower	Upper
43	100		
58	30.4	27.5	41.3





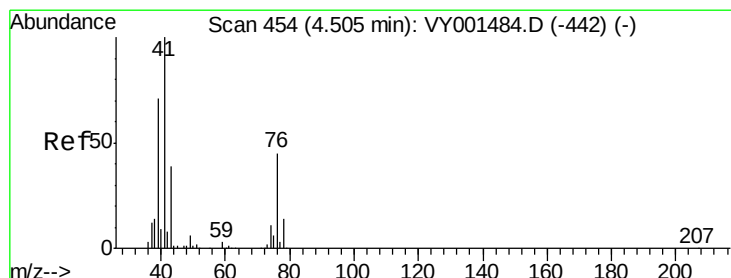
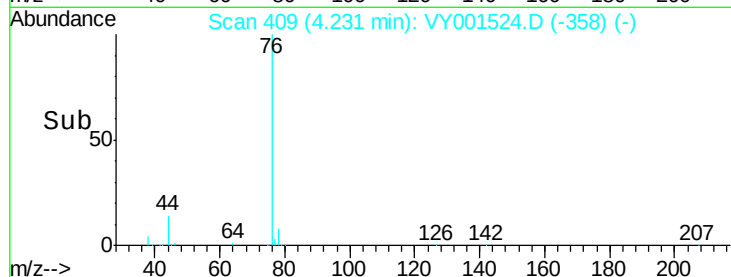
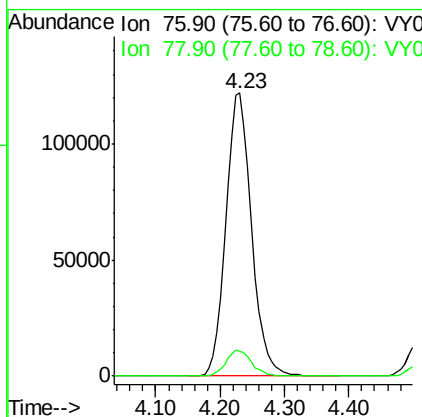
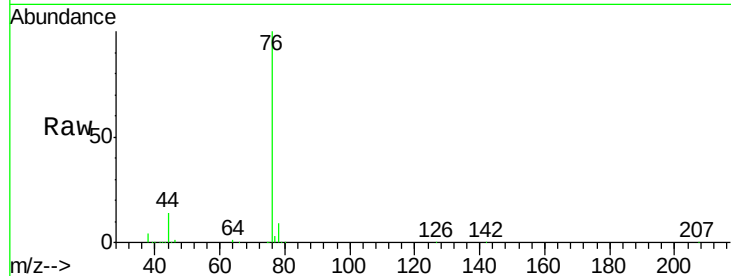
#17
Carbon Disulfide
Concen: 43.879 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

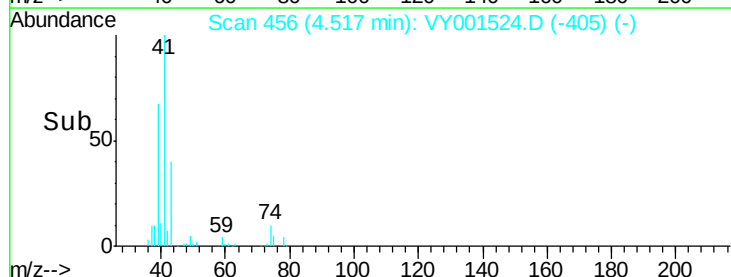
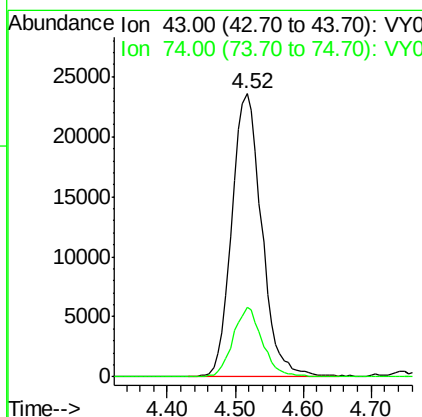
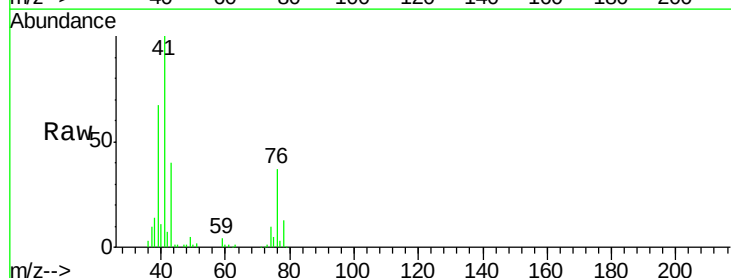
Manual Integrations
APPROVED

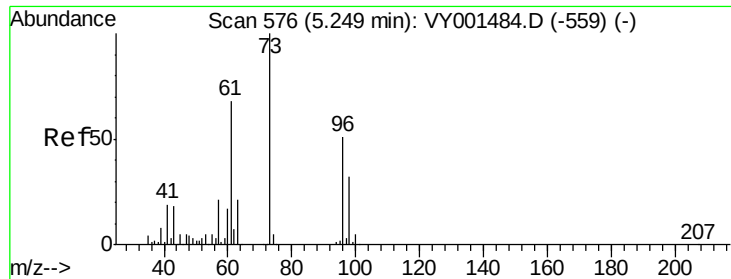
MMDadoda
2/7/2020 4:50:41 PM



#18
Methyl Acetate
Concen: 50.071 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	21.0	31.6





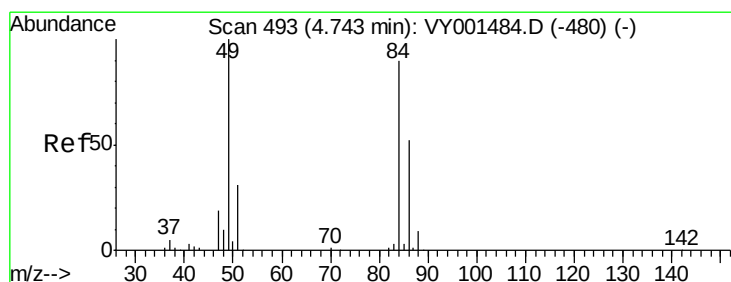
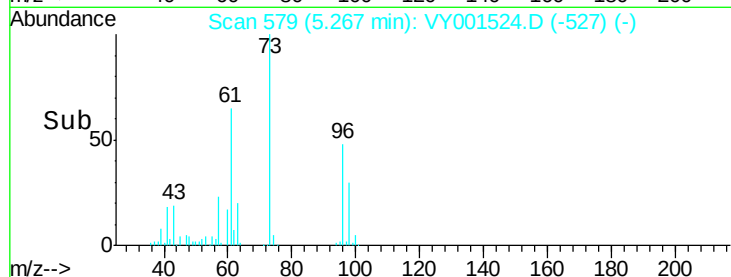
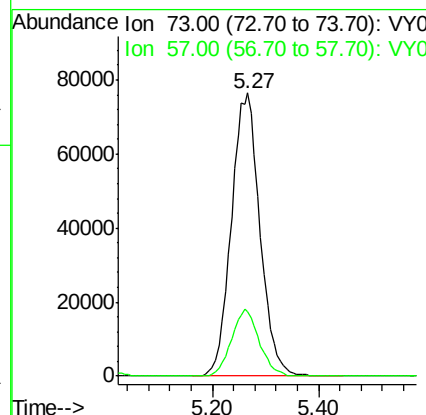
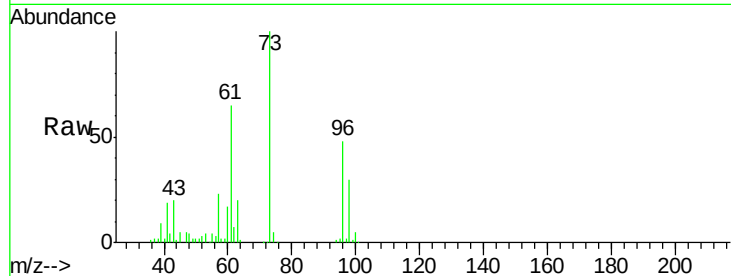
#19
Methyl tert-butyl Ether
Concen: 43.908 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.02 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.0	25.6

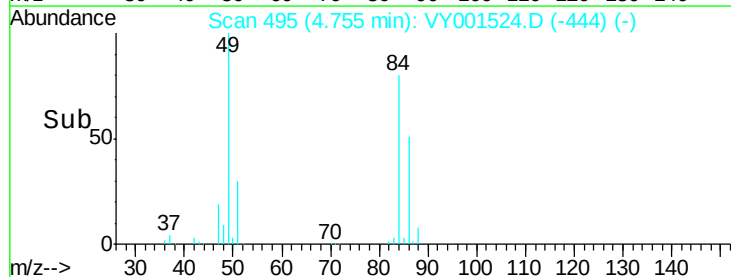
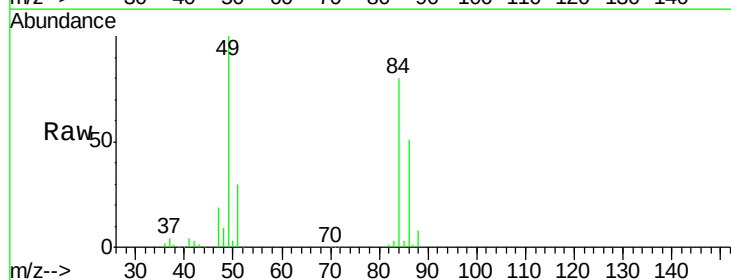
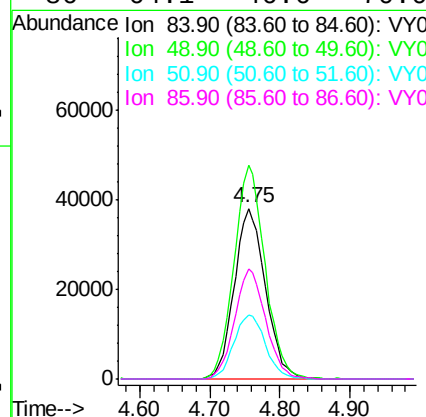
Manual Integrations
APPROVED

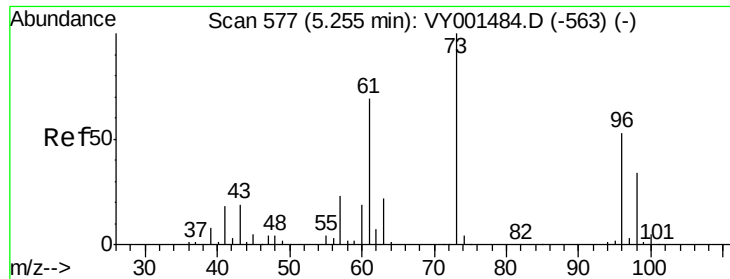
MMDadoda
2/7/2020 4:50:41 PM



#20
Methylene Chloride
Concen: 43.944 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	89.0	133.6
51	37.8	27.4	41.2
86	64.1	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 43.675 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

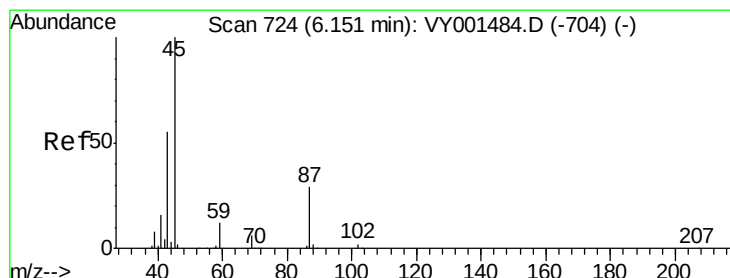
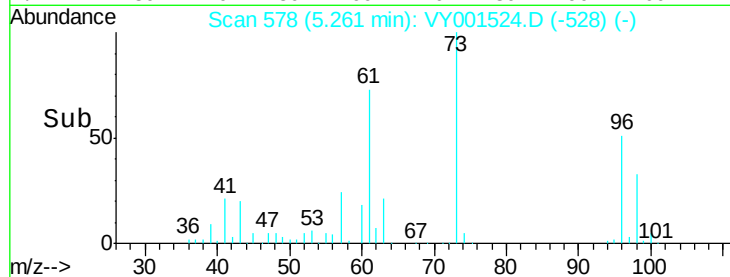
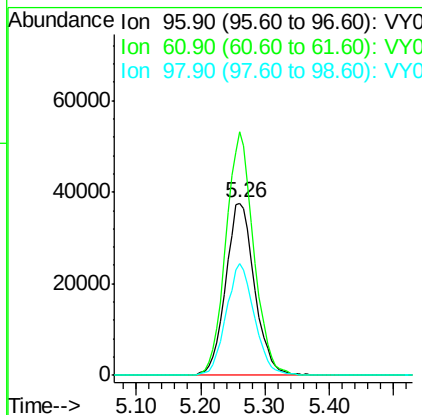
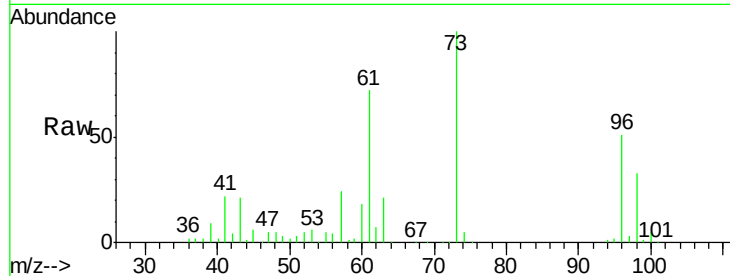
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118640
Ion	Ratio	Lower	Upper
96	100		
61	141.1	104.2	156.4
98	64.6	51.4	77.0

Manual Integrations
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2/7/2020 4:50:41 PM



#22

Diisopropyl ether

Concen: 49.949 ug/l

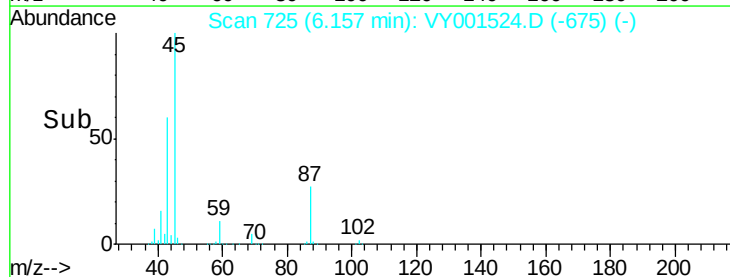
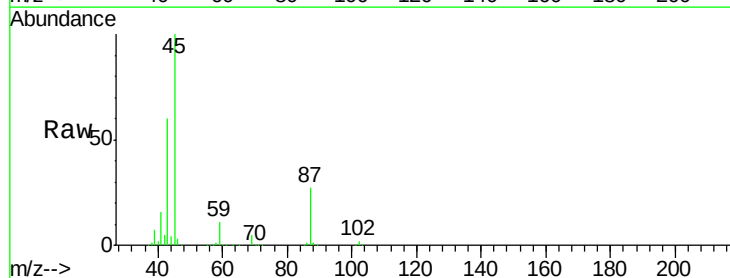
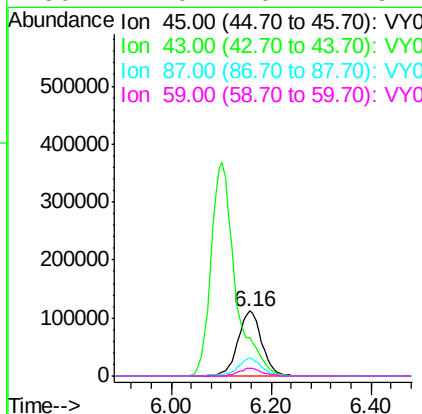
RT: 6.16 min Scan# 725

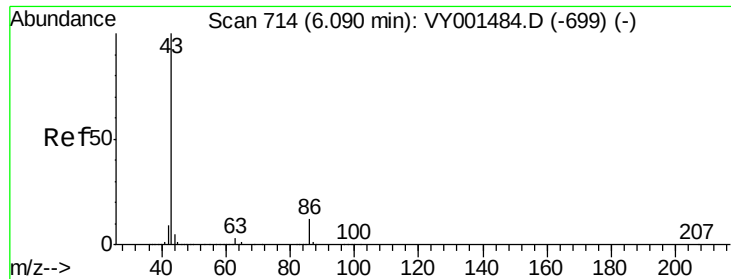
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	45	Resp:	369912
Ion	Ratio	Lower	Upper
45	100		
43	59.4	44.2	66.4
87	26.8	23.9	35.9
59	11.0	10.2	15.2





#23

Vinyl Acetate

Concen: 263.946 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tot Ion: 43 Resp: 1244371

Ion Ratio Lower Upper

43 100

86 10.8 9.8 14.8

Instrument :

MSVOA_Y

ClientSampleId :

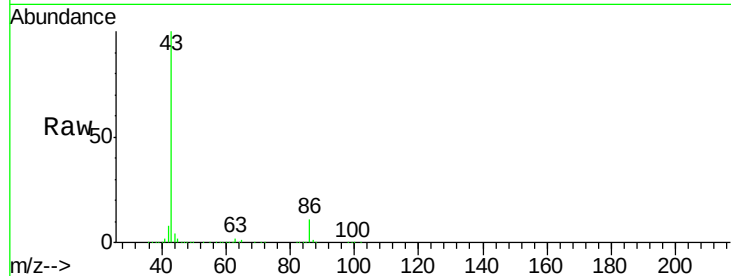
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

400000

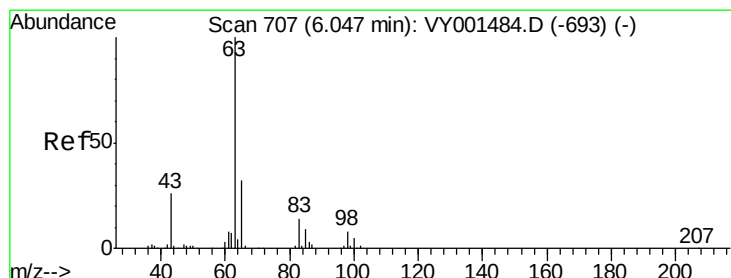
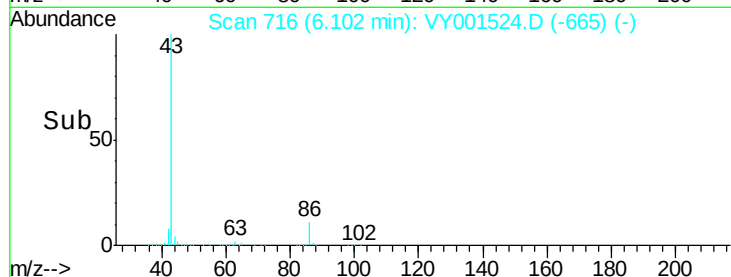
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 45.336 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

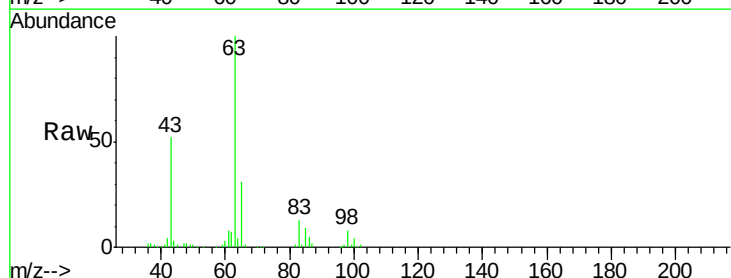
Tgt Ion: 63 Resp: 201953

Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

100 3.8 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

6.06

80000

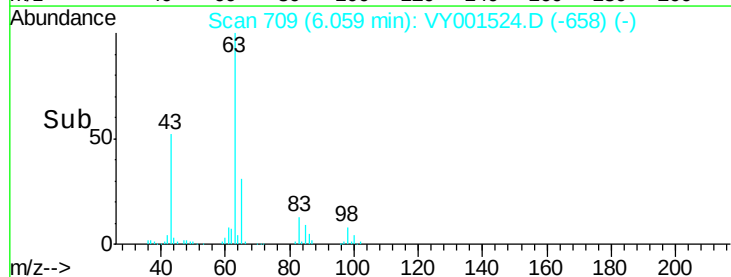
60000

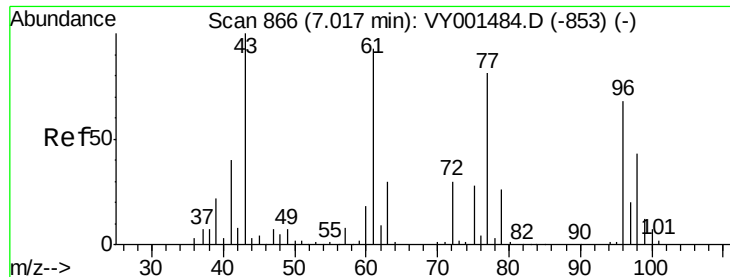
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 270.710 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tot Ion: 43 Resp: 237727

Ion Ratio Lower Upper

43 100

72 27.4 23.8 35.8

Instrument :

MSVOA_Y

ClientSampleId :

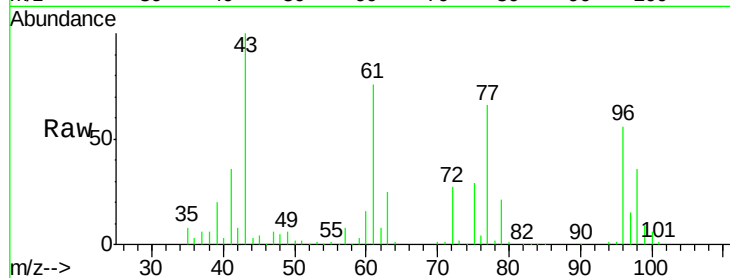
VSTDCCC050

Manual Integrations

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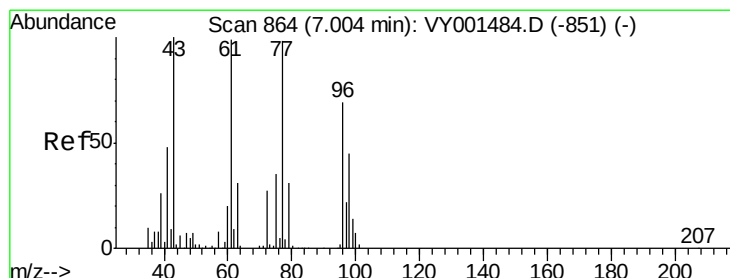
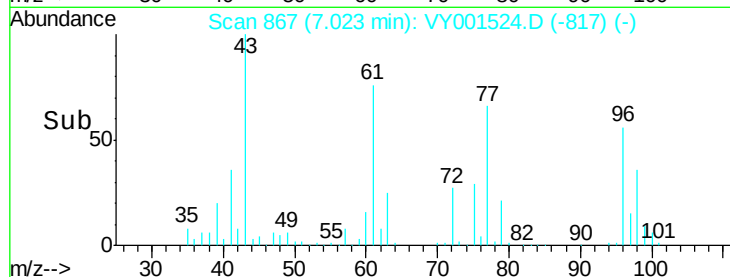
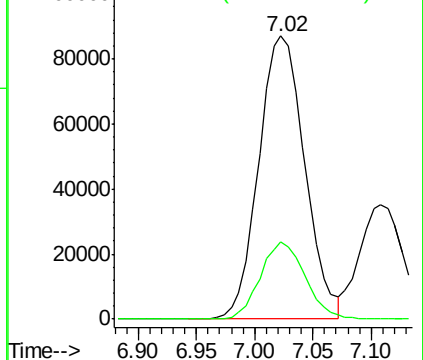
MMDadoda

2/7/2020 4:50:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 42.797 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001524.D

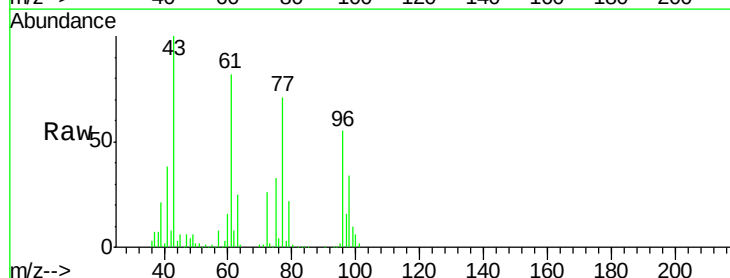
Acq: 06 Feb 2020 11:44

Tgt Ion: 77 Resp: 182455

Ion Ratio Lower Upper

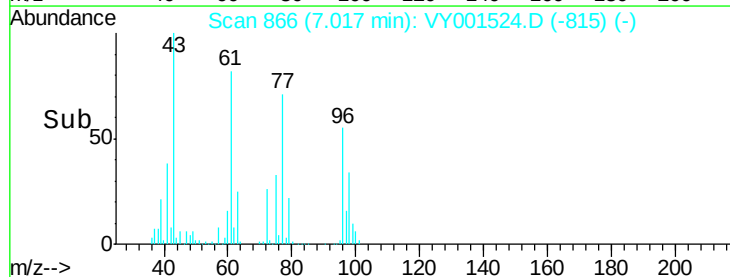
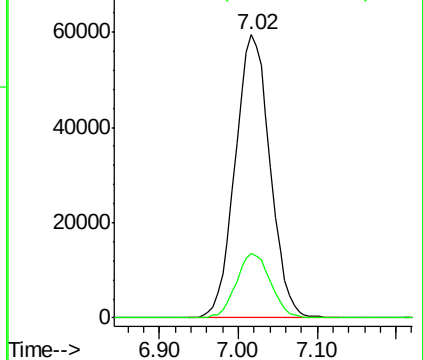
77 100

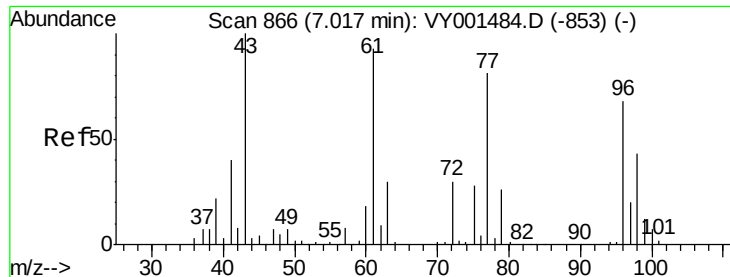
97 22.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

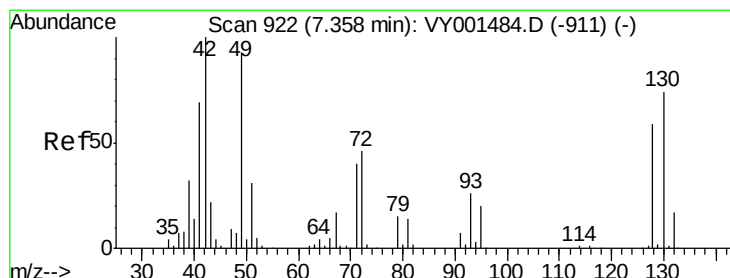
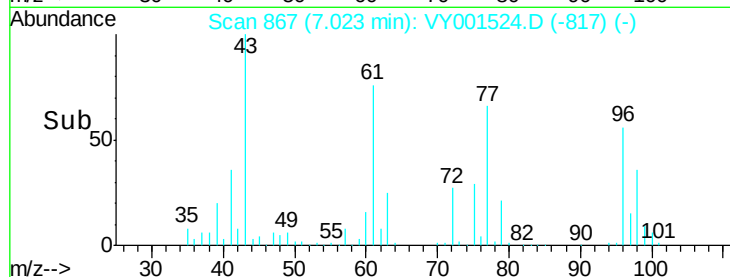
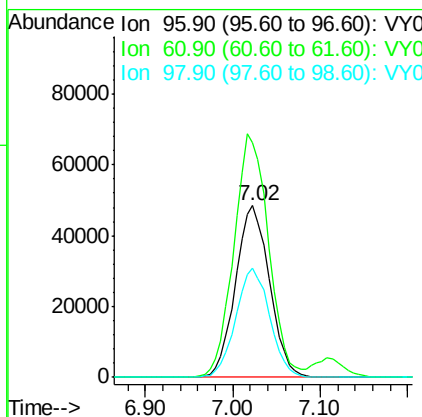
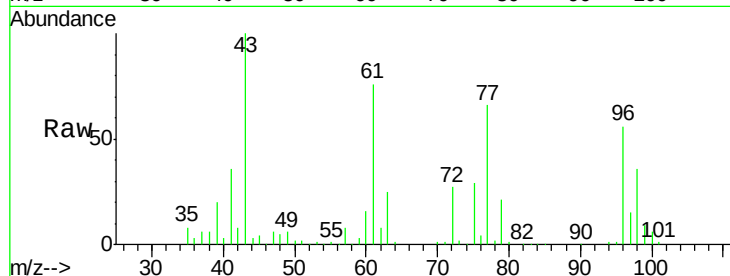
cis-1,2-Dichloroethene
Concen: 44.278 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131372		
61	143.7	0.0	278.8	
98	63.2	0.0	128.8	

Manual Integrations
APPROVED

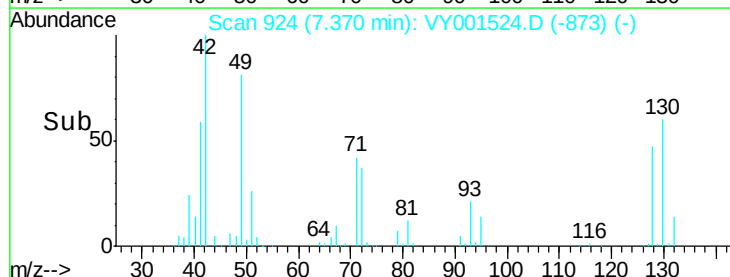
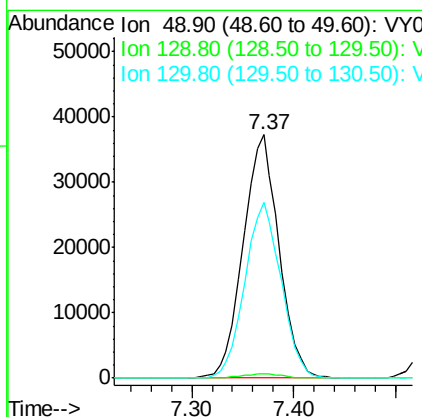
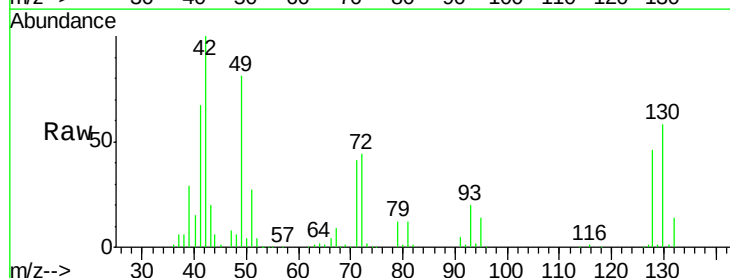
MMDadoda
2/7/2020 4:50:41 PM

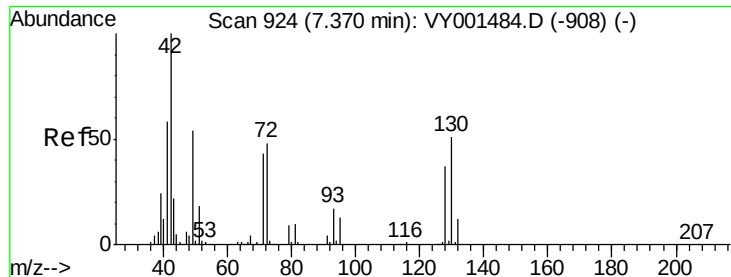


#28

Bromochloromethane
Concen: 59.894 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90889		
129	1.8	0.0	4.8	
130	73.1	65.4	98.2	





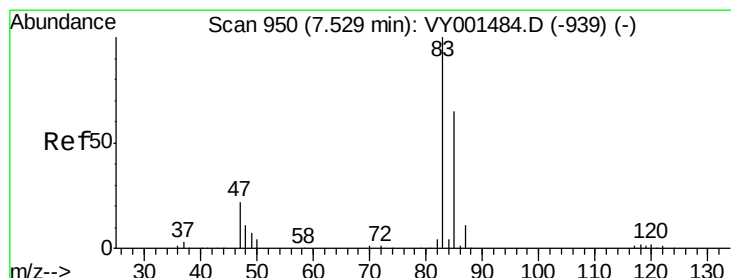
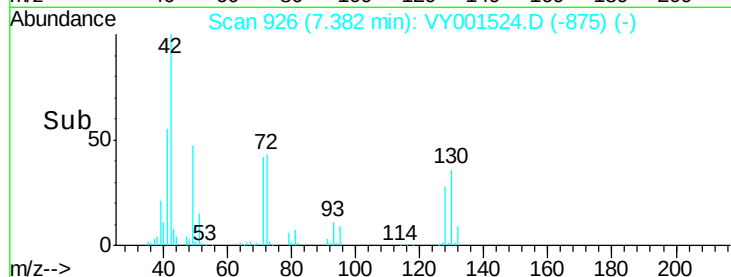
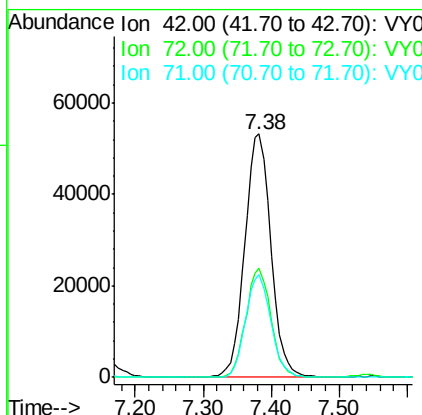
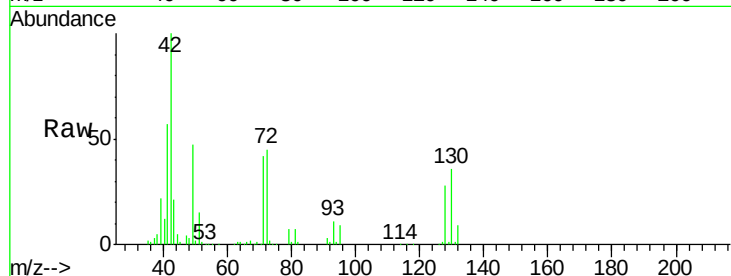
#29
Tetrahydrofuran
Concen: 270.344 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	37.8	56.6
71	41.1	34.8	52.2

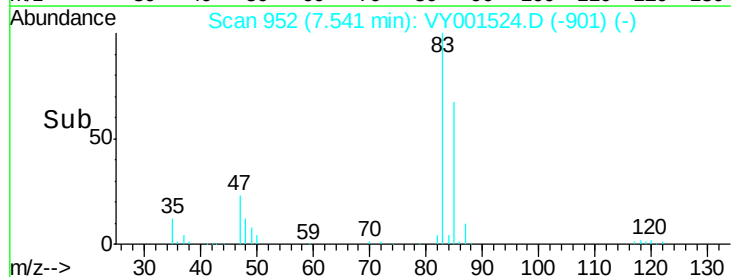
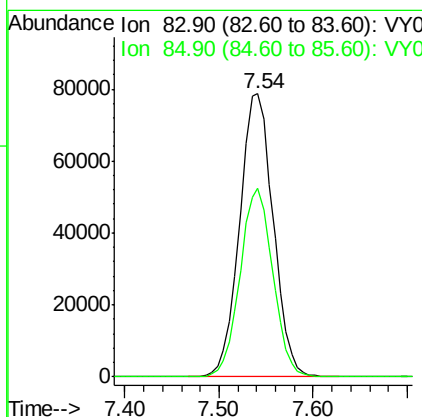
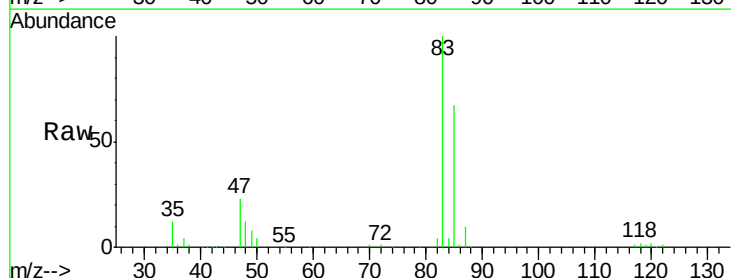
Manual Integrations
APPROVED

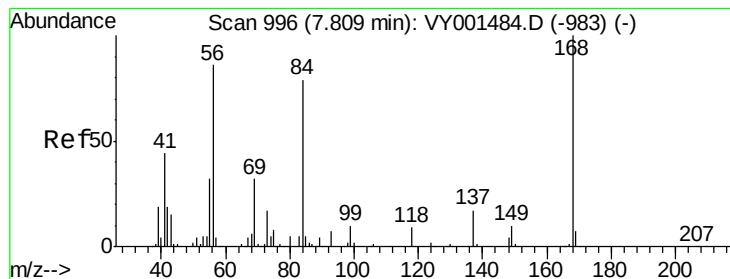
MMDadoda
2/7/2020 4:50:41 PM



#30
Chloroform
Concen: 43.290 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6





#31

Cyclohexane

Concen: 44.527 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

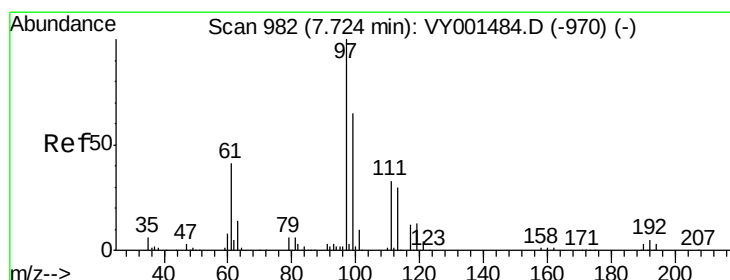
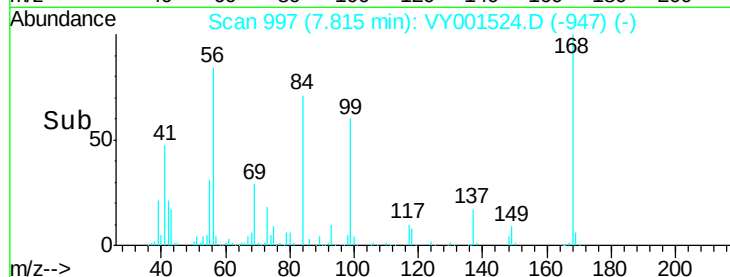
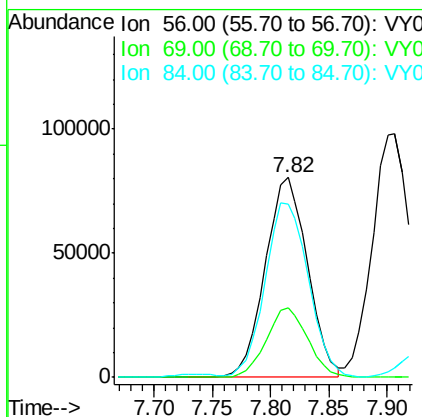
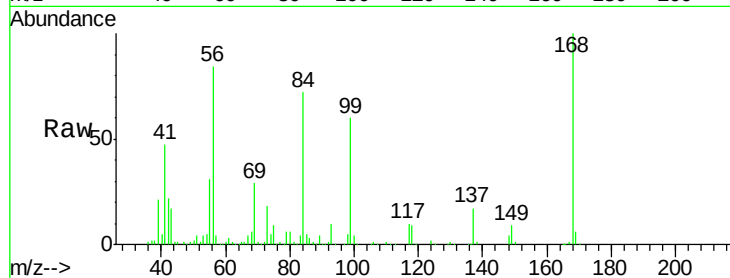
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		202895		
69	35.0	29.6	44.4		
84	85.0	73.6	110.4		

Manual Integrations
APPROVED

MMDadoda
2/7/2020 4:50:41 PM



#32

1,1,1-Trichloroethane

Concen: 41.965 ug/l

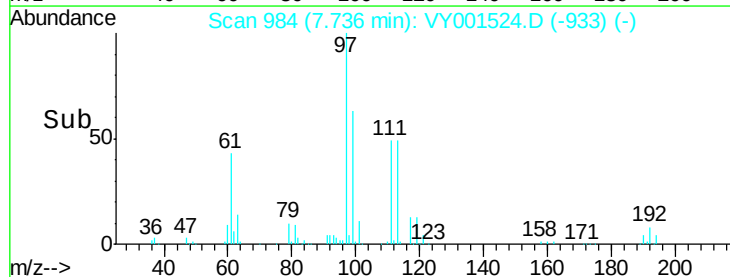
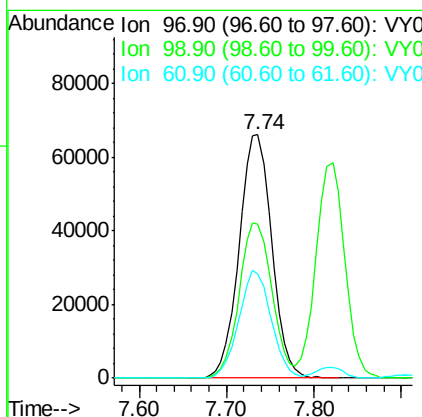
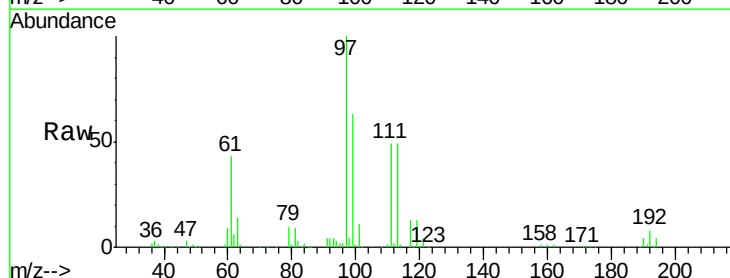
RT: 7.74 min Scan# 984

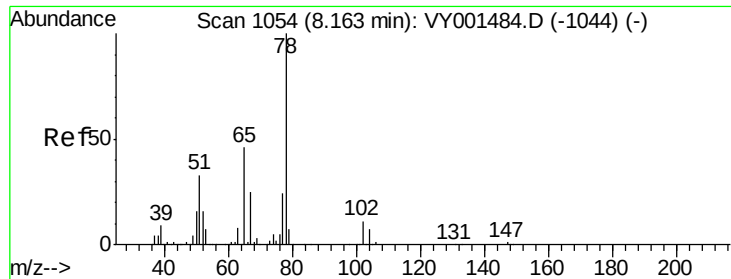
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171678		
99	64.5	51.8	77.8		
61	43.6	32.5	48.7		





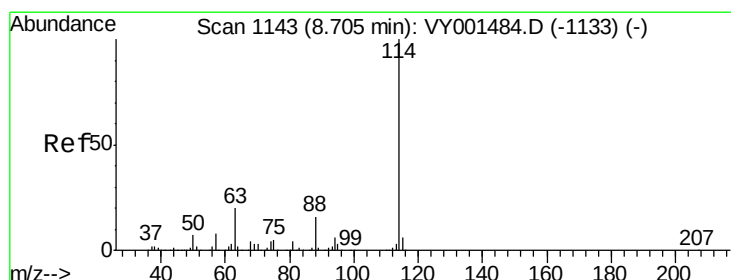
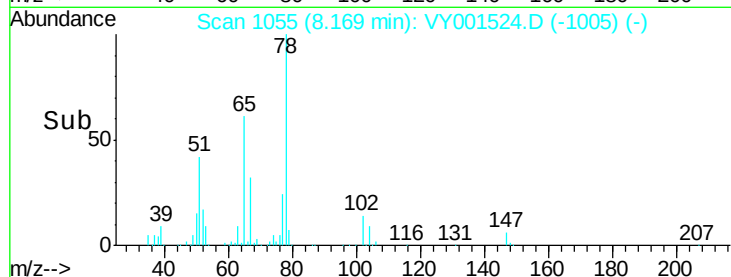
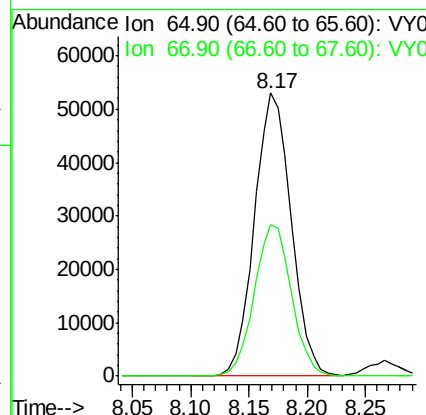
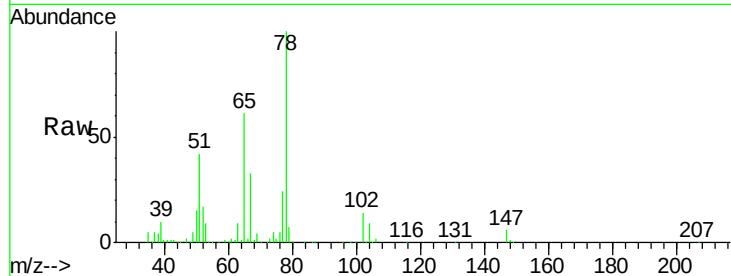
#33
 1,2-Dichloroethane-d4
 Concen: 49.883 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116730		
67	54.0	0.0	108.6	

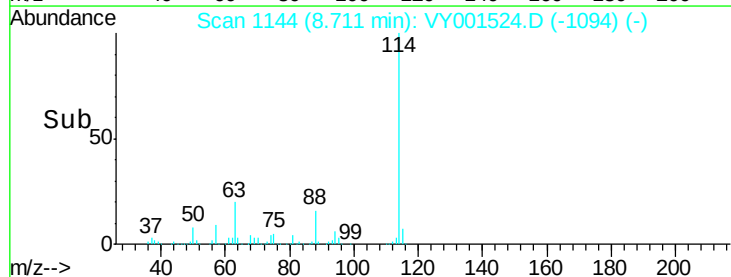
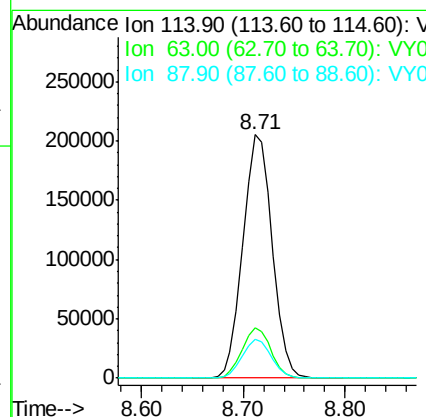
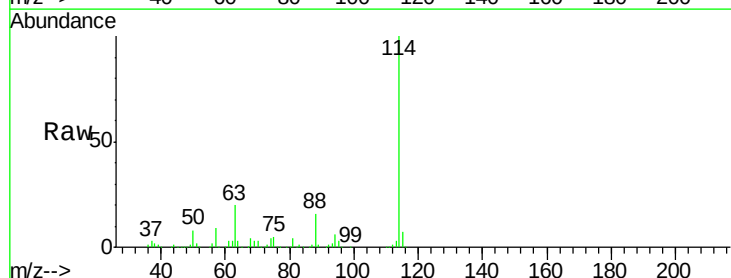
Manual Integrations
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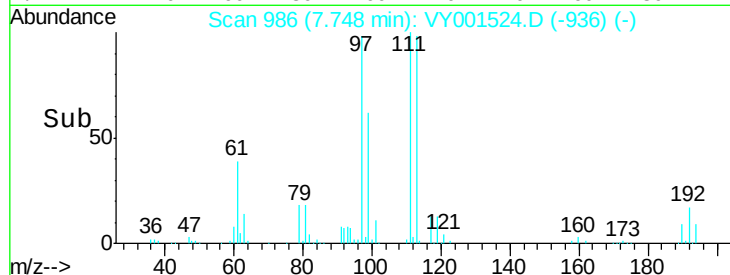
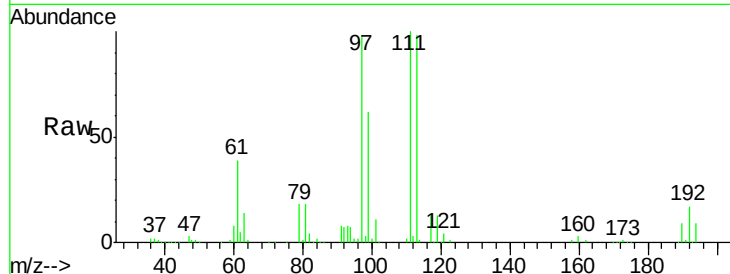
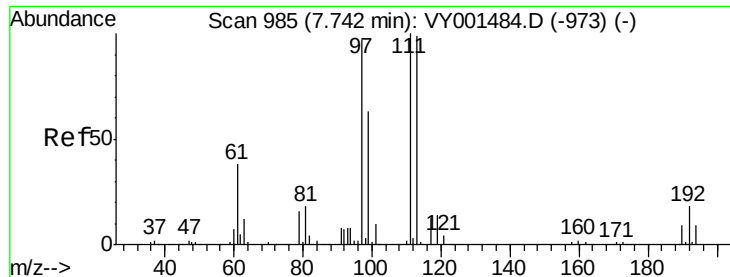
MMDadoda
 2/7/2020 4:50:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	408763		
63	20.5	0.0	39.8	
88	16.1	0.0	32.6	





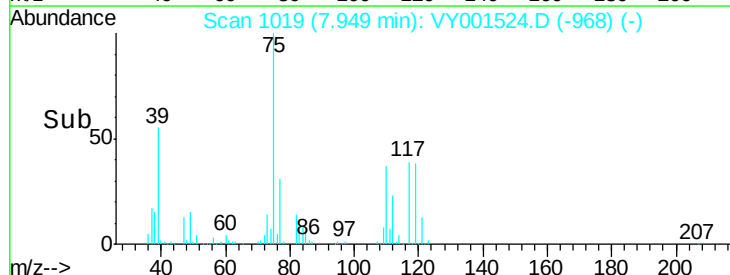
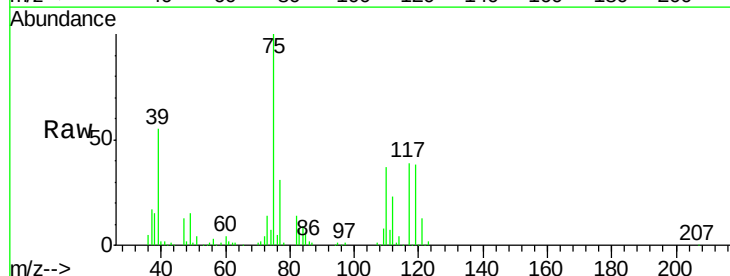
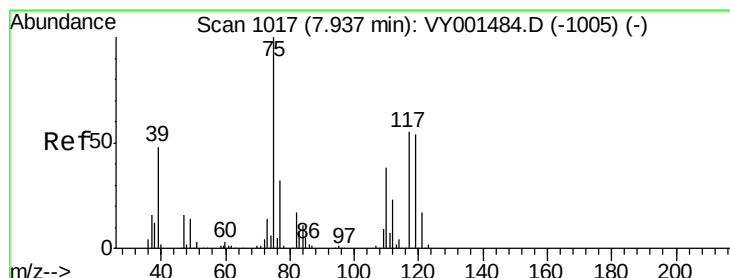
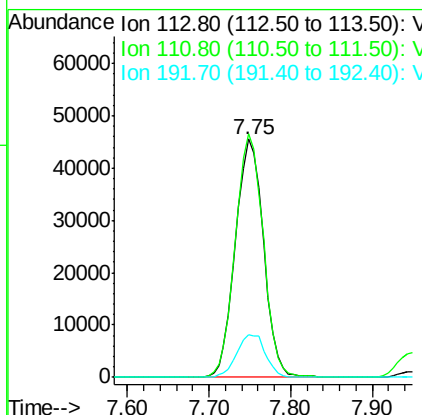
#35
Dibromofluoromethane
Concen: 46.130 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108733		
111	101.1	82.9	124.3	
192	18.4	14.6	22.0	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

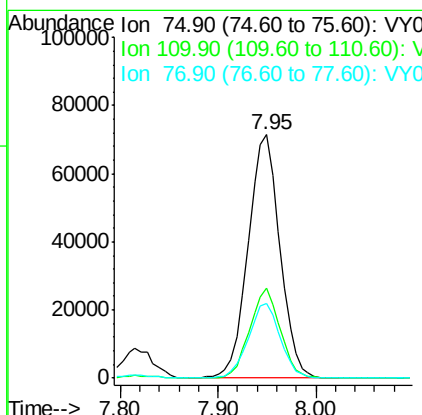
Manual Integrations
APPROVED

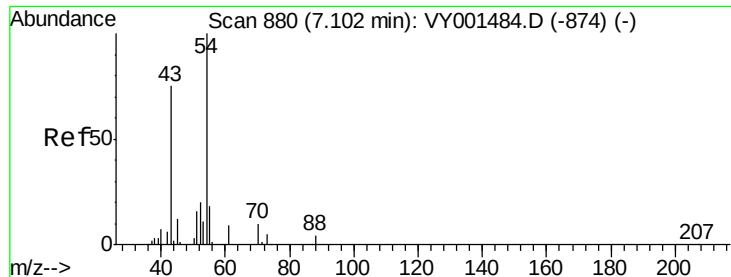
MMDadoda
2/7/2020 4:50:41 PM



#36
1,1-Dichloropropene
Concen: 42.988 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160749		
110	35.2	18.2	54.6	
77	30.9	25.0	37.4	





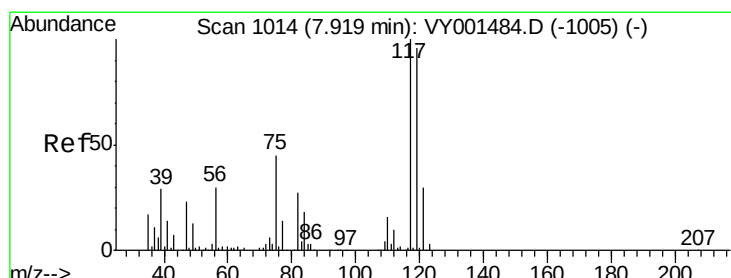
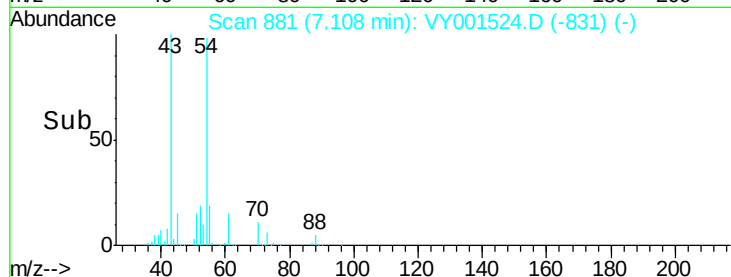
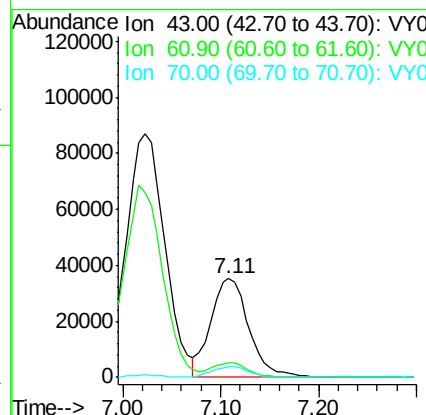
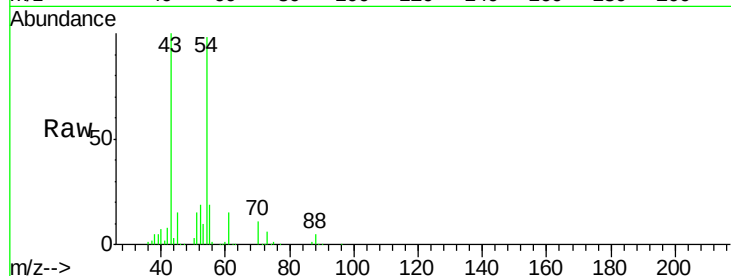
#37
Ethyl Acetate
Concen: 52.302 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	10.6	10.2	15.4

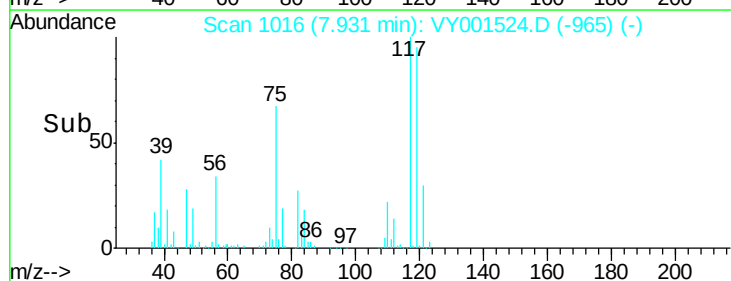
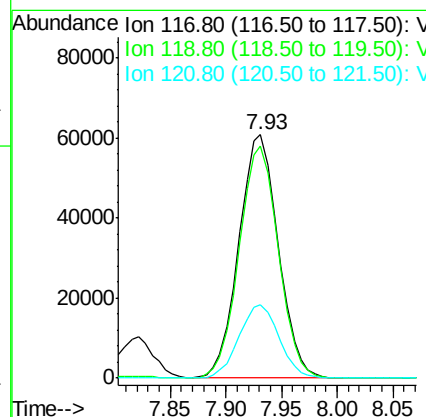
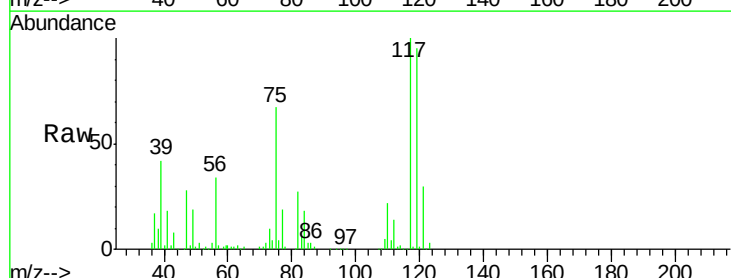
Manual Integrations
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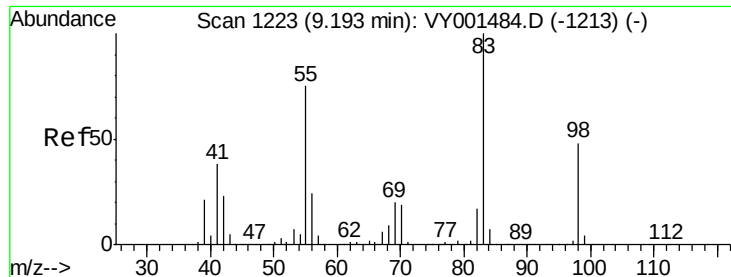
MMDadoda
2/7/2020 4:50:41 PM



#38
Carbon Tetrachloride
Concen: 41.273 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.4	114.6
121	29.9	24.2	36.4





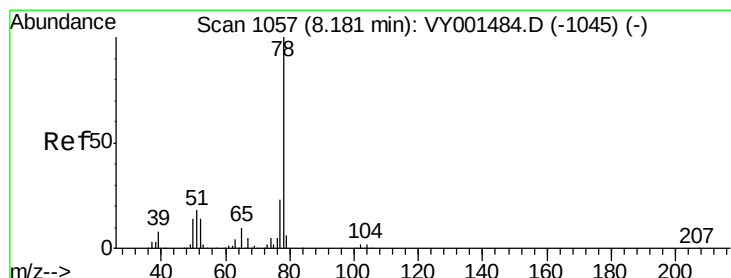
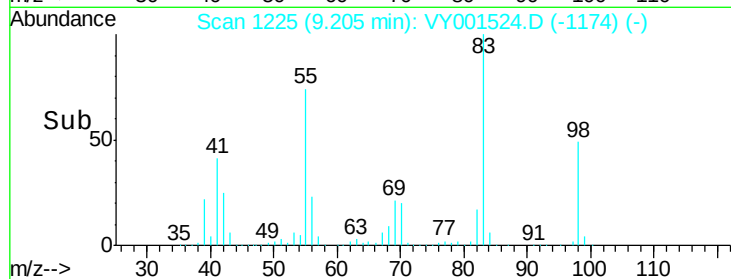
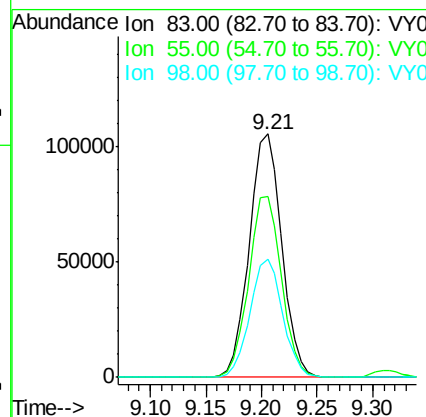
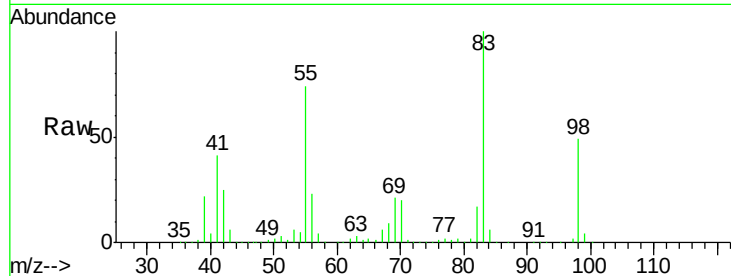
#39
Methylvlcyclohexane
Concen: 43.770 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	59.8	89.6
98	48.6	38.6	57.8

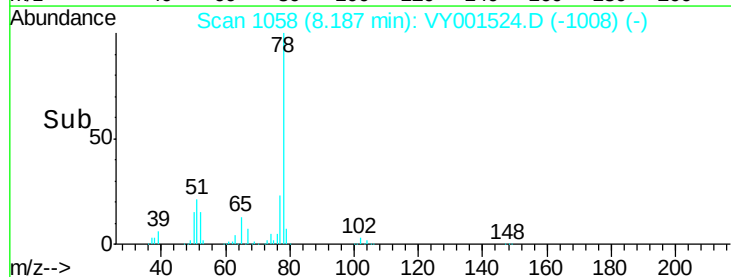
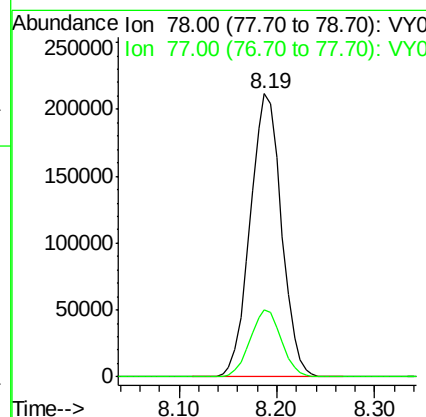
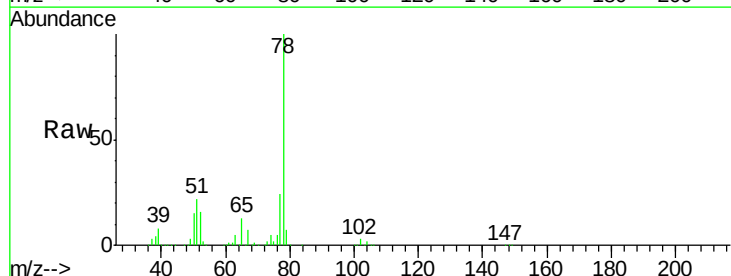
Manual Integrations
APPROVED

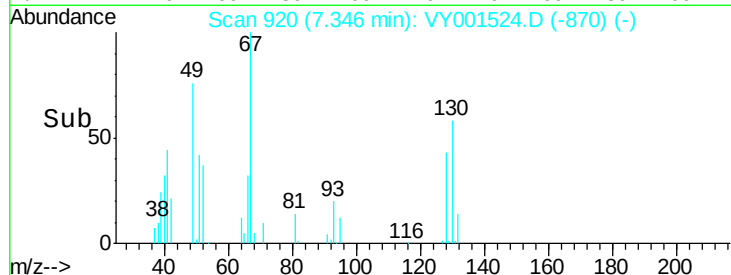
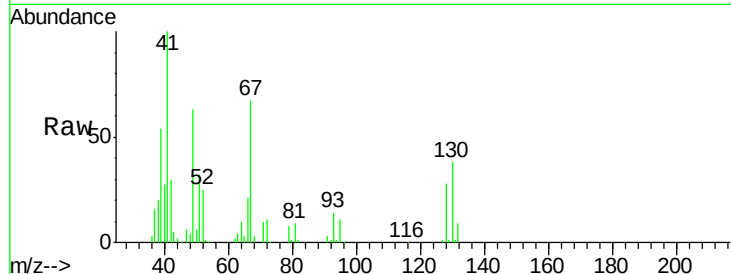
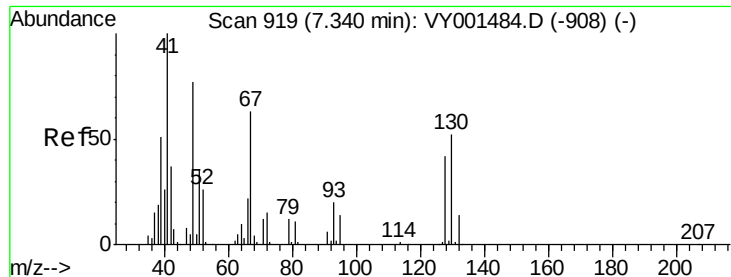
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2/7/2020 4:50:41 PM



#40
Benzene
Concen: 44.089 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





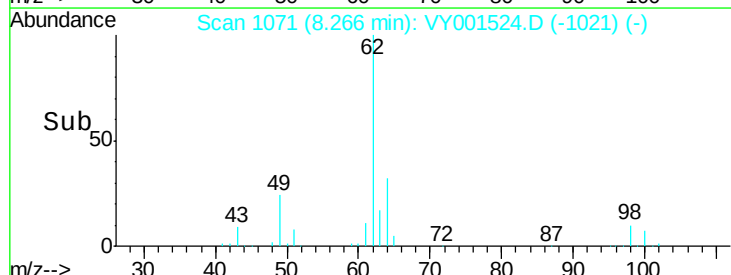
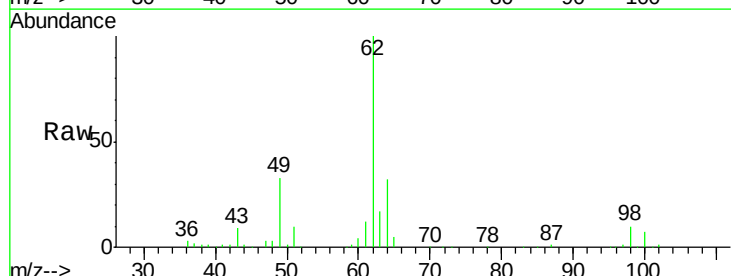
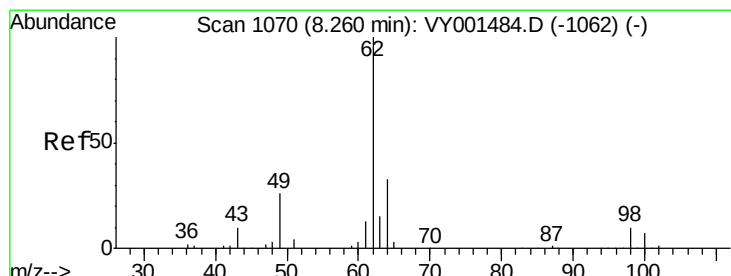
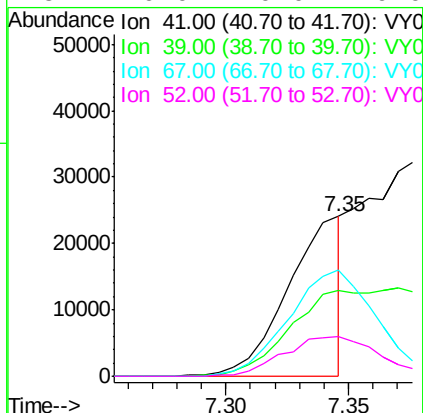
#41
Methacrylonitrile
Concen: 44.661 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tot 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

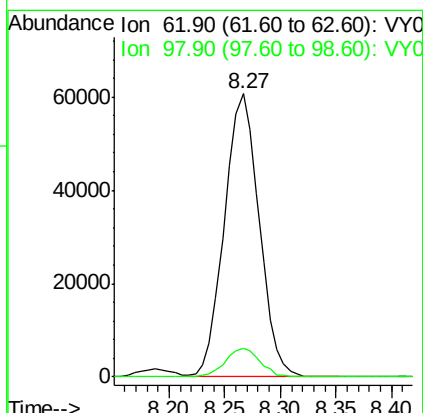
Manual Integrations
APPROVED

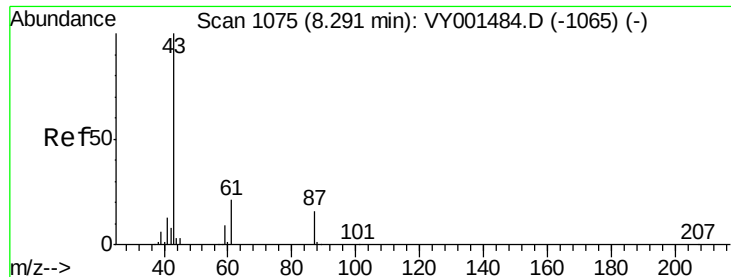
MMDadoda
2/7/2020 4:50:41 PM



#42
1,2-Dichloroethane
Concen: 44.234 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0





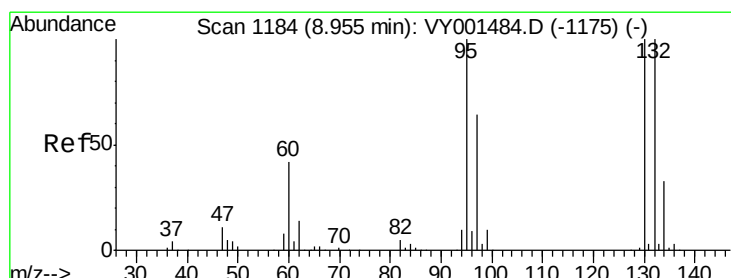
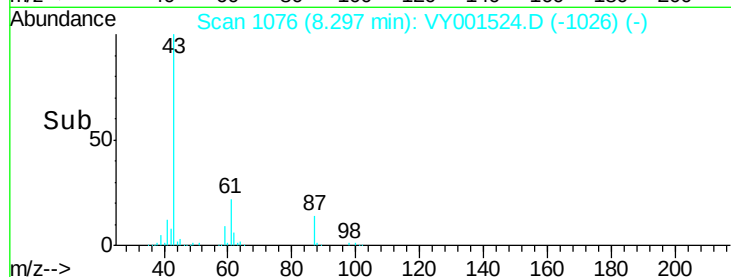
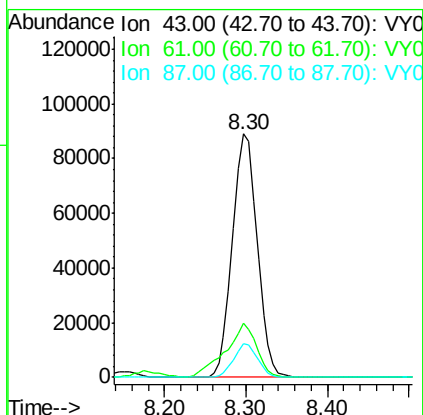
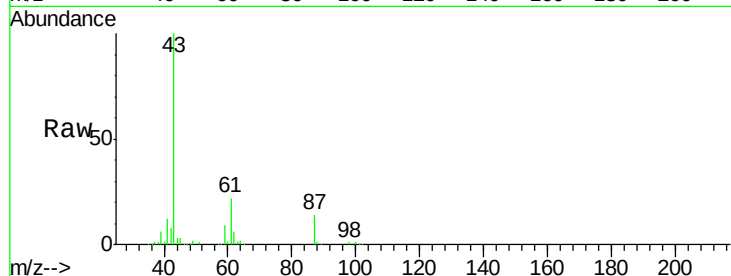
#43
Isopropyl Acetate
Concen: 52.223 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	25.1	37.7
87	13.3	12.6	19.0

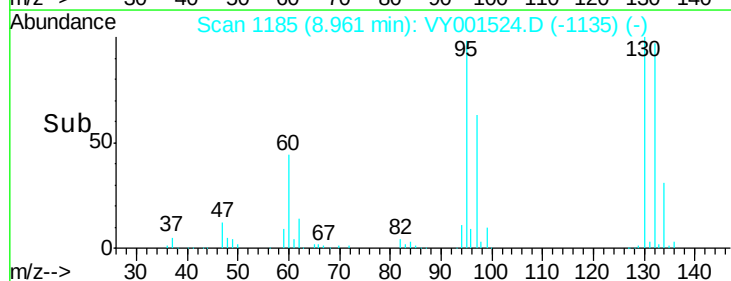
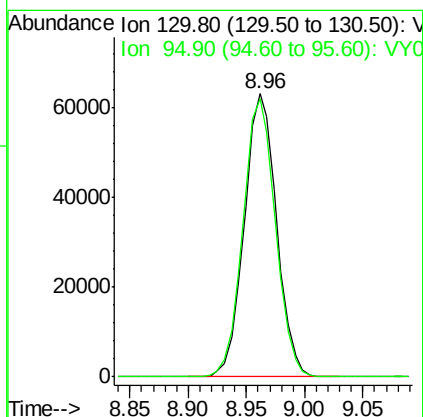
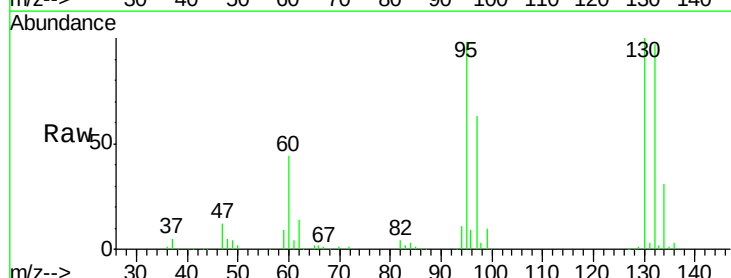
Manual Integrations
APPROVED

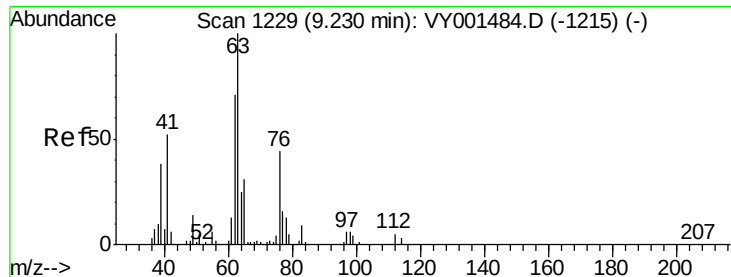
MMDadoda
2/7/2020 4:50:41 PM



#44
Trichloroethene
Concen: 42.354 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	199.2





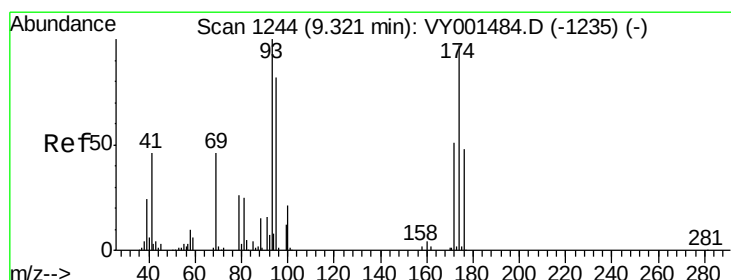
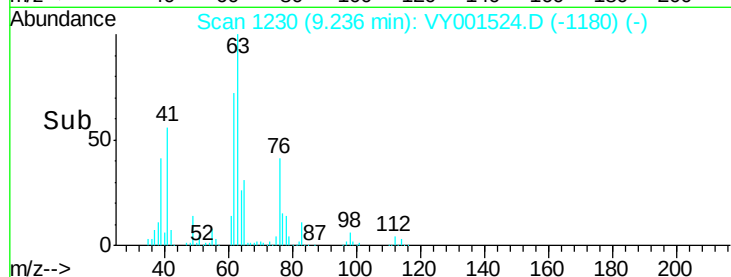
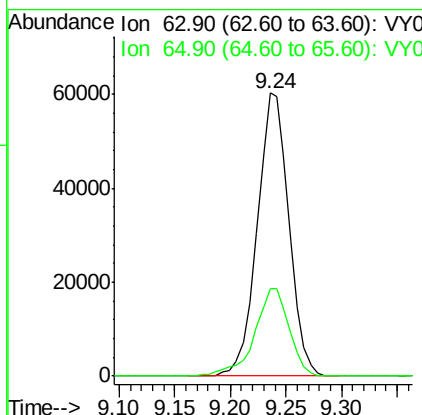
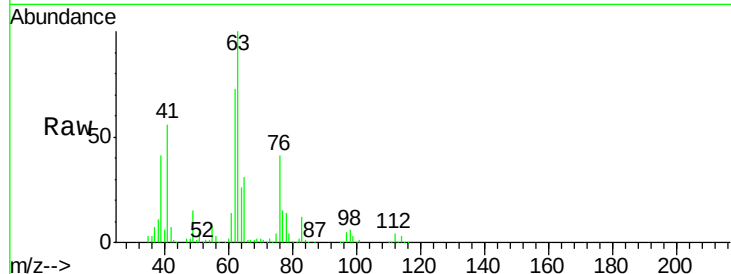
#45
 1,2-Dichloropropane
 Concen: 46.349 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 119376
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

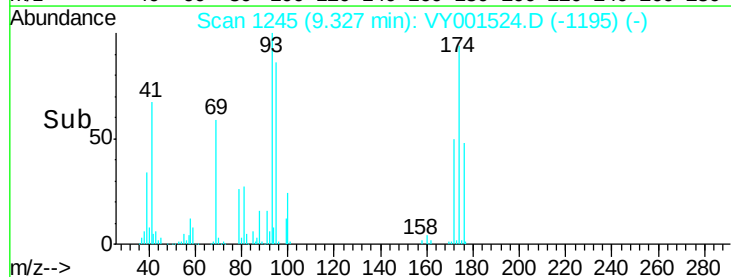
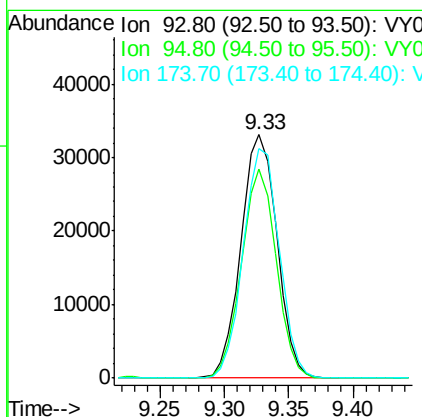
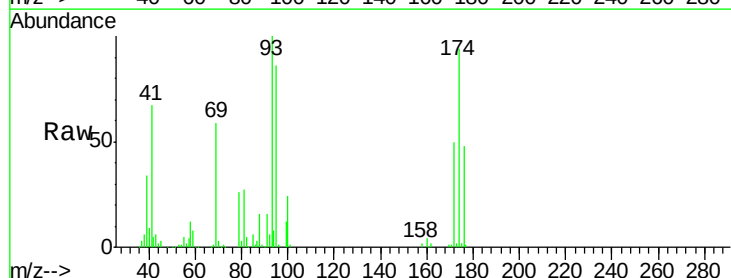
Manual Integrations
 APPROVED

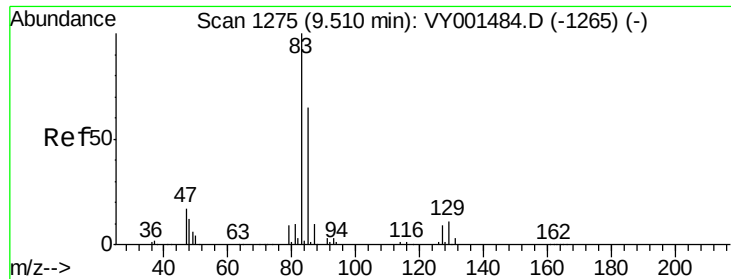
MMDadoda
 2/7/2020 4:50:41 PM



#46
 Dibromomethane
 Concen: 44.402 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Tgt Ion: 93 Resp: 64217
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.6 99.8
 174 93.9 75.4 113.2





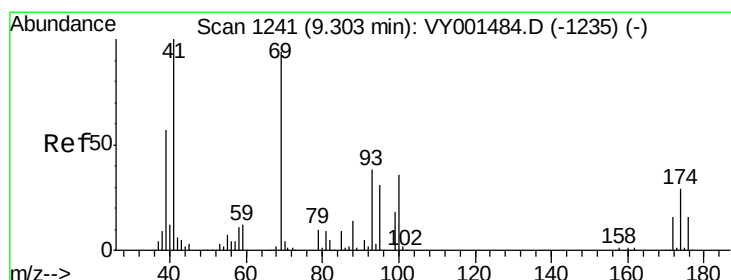
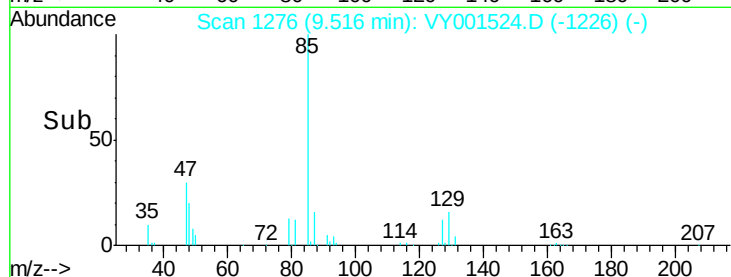
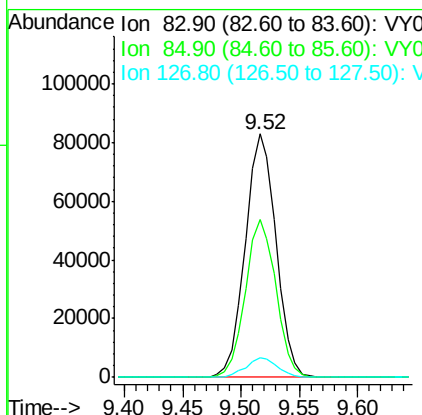
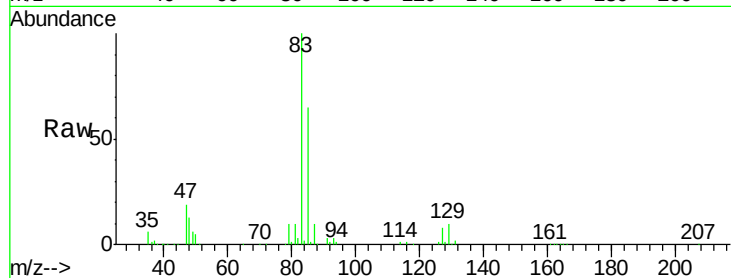
#47
Bromodichloromethane
Concen: 43.428 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153033		
85	64.7	51.9	77.9	
127	8.0	6.9	10.3	

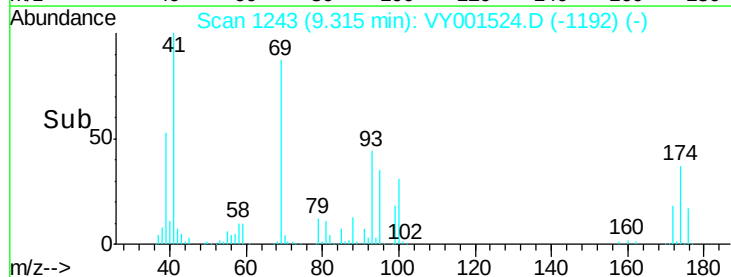
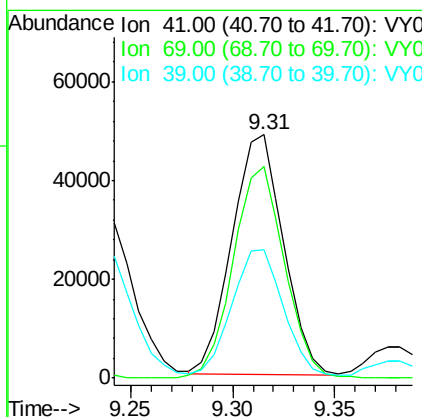
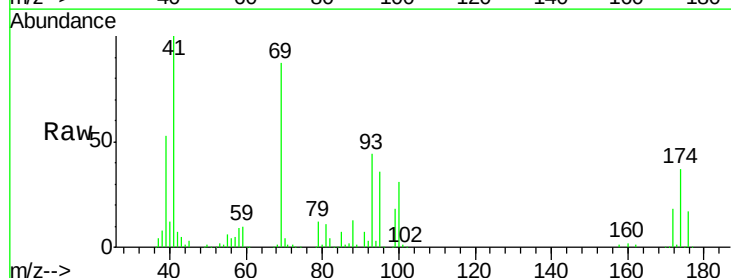
Manual Integrations
APPROVED

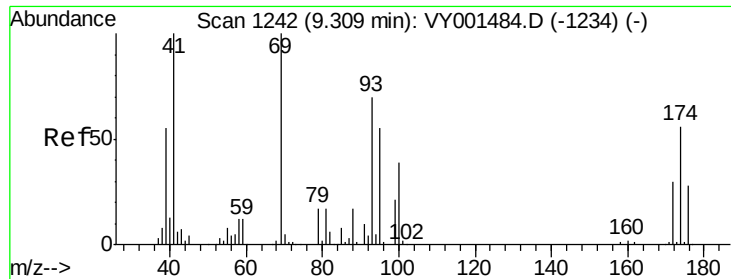
MMDadoda
2/7/2020 4:50:41 PM



#48
Methyl methacrylate
Concen: 52.241 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84982		
69	87.9	76.6	114.8	
39	54.7	45.4	68.0	





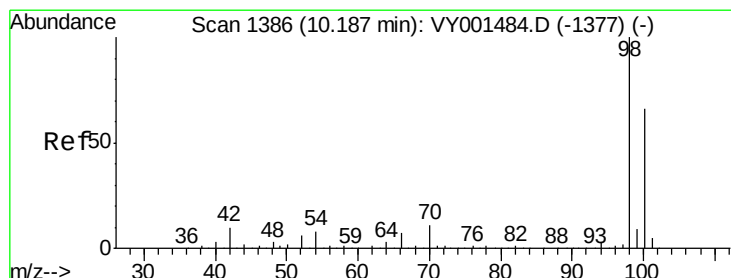
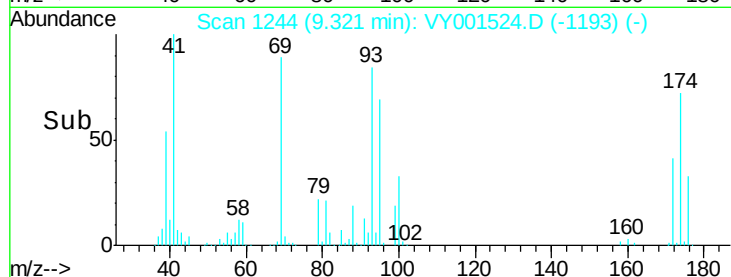
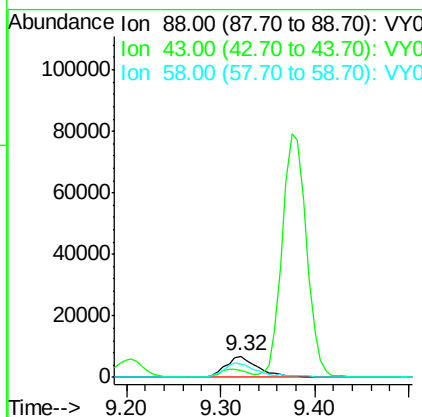
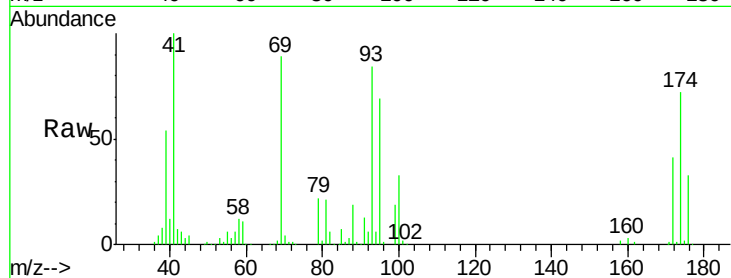
#49
1,4-Dioxane
Concen: 876.390 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	16739
Ion Ratio	100	Lower	Upper
88	100		
43	33.2	24.8	37.2
58	73.9	59.3	88.9

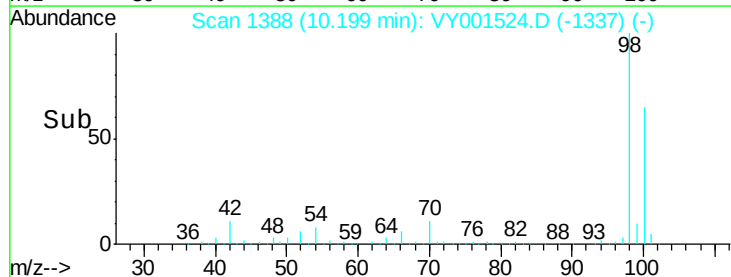
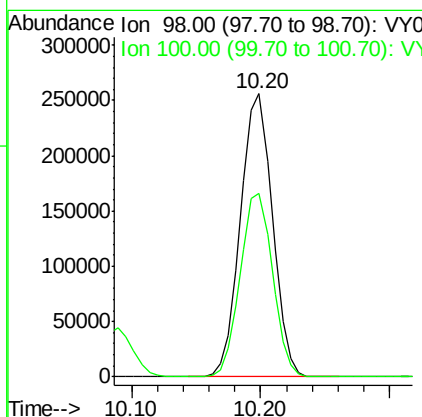
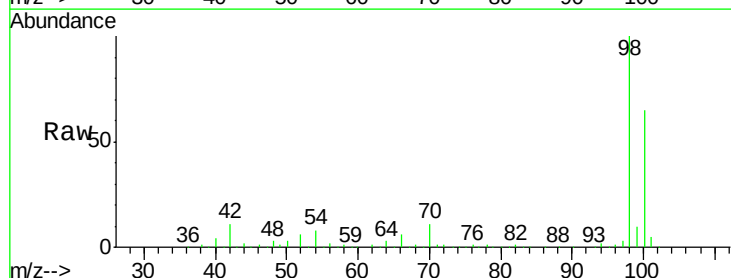
Manual Integrations
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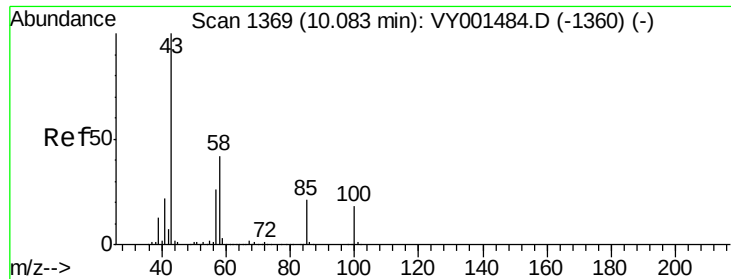
MMDadoda
2/7/2020 4:50:41 PM



#50
Toluene-d8
Concen: 49.373 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	98	Resp	440310
Ion Ratio	100	Lower	Upper
98	100		
100	65.8	53.0	79.6





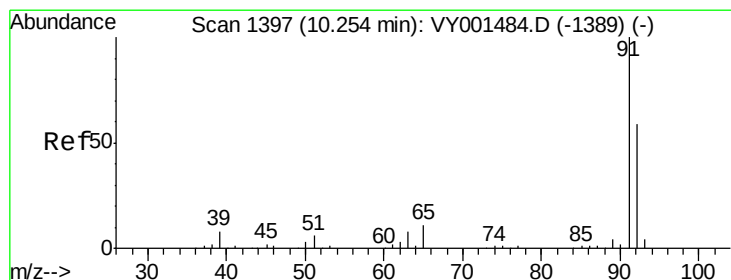
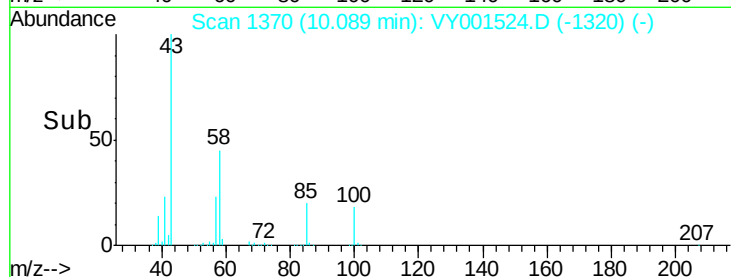
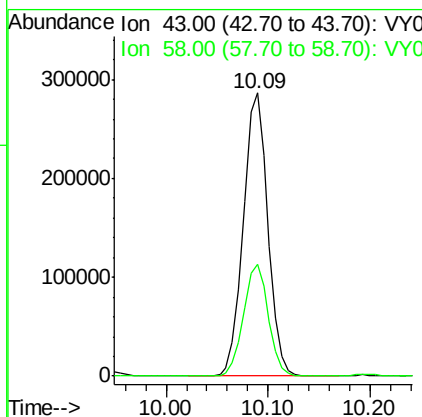
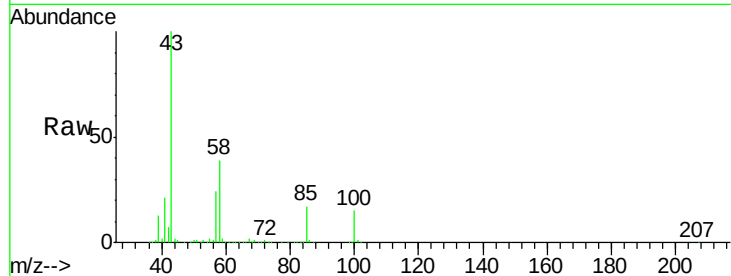
#51
4-Methyl-2-Pentanone
Concen: 270.279 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	477070
Ion Ratio	100	Lower	Upper
58	39.9	33.9	50.9

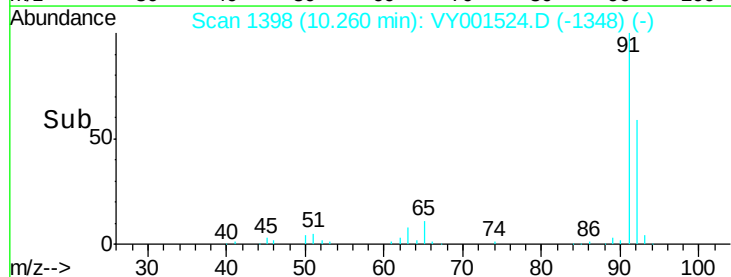
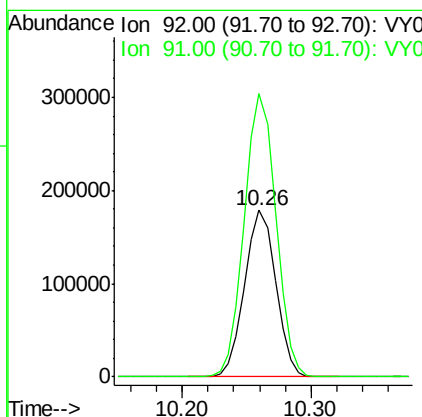
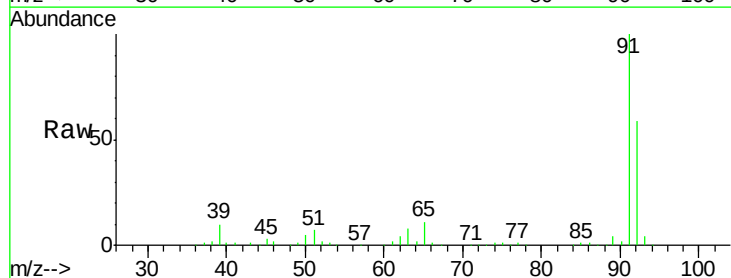
Manual Integrations
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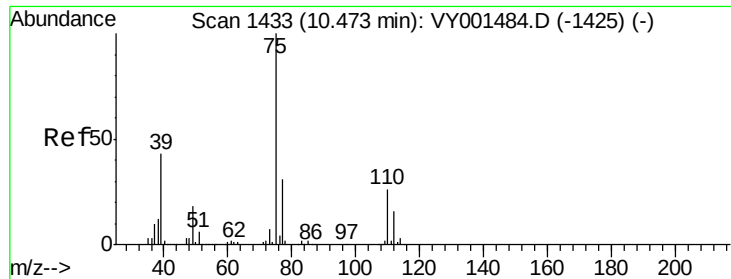
MMDadoda
2/7/2020 4:50:41 PM



#52
Toluene
Concen: 44.304 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	92	Resp	299833
Ion Ratio	100	Lower	Upper
91	172.0	136.6	204.8





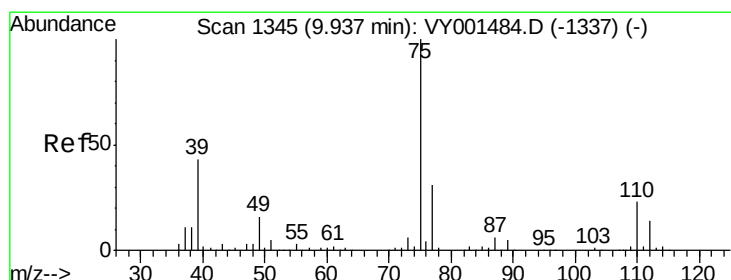
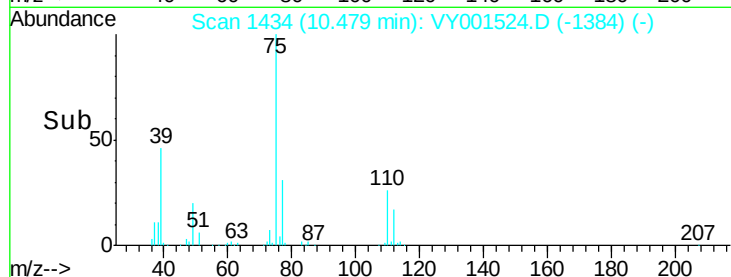
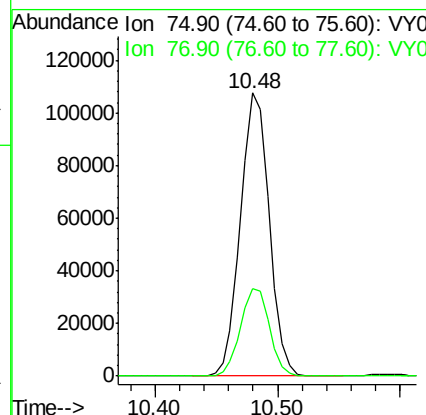
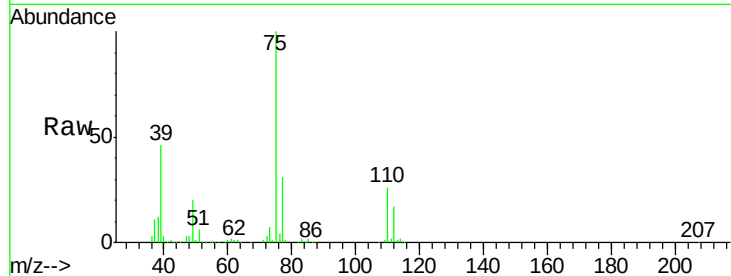
#53
t-1,3-Dichloropropene
Concen: 45.569 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 174898
Ion Ratio Lower Upper
75 100
77 30.7 24.9 37.3

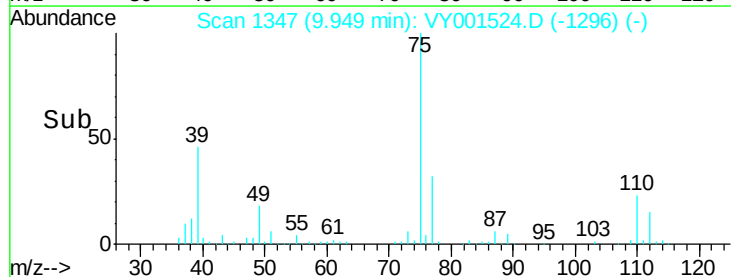
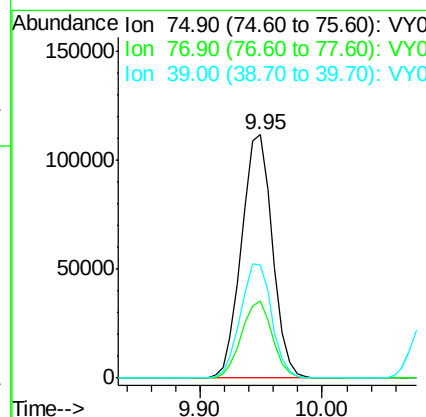
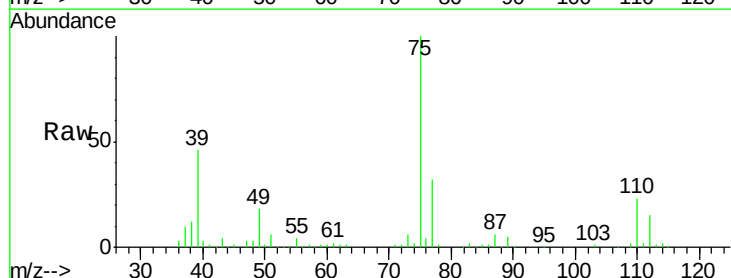
Manual Integrations
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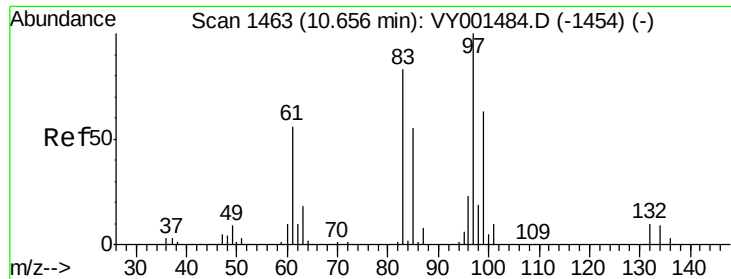
MMDadoda
2/7/2020 4:50:41 PM



#54
cis-1,3-Dichloropropene
Concen: 44.296 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion: 75 Resp: 195180
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1
39 46.5 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 45.589 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

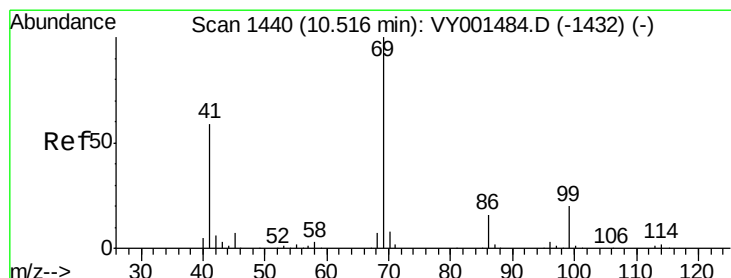
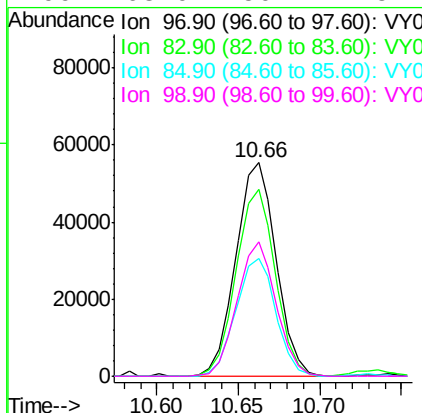
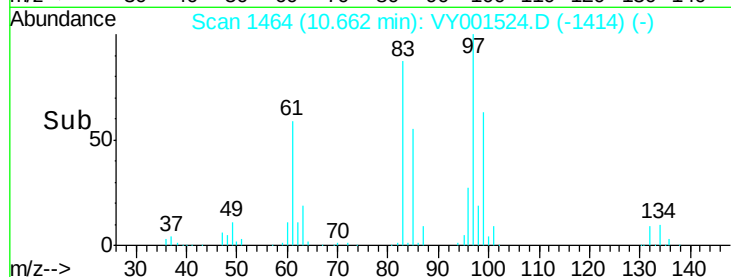
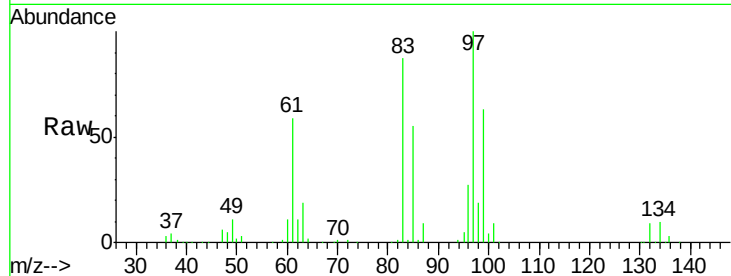
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	94598
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.2	99.2
85	55.1	43.8	65.6
99	63.0	50.1	75.1

Manual Integrations
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2/7/2020 4:50:41 PM



#56

Ethyl methacrylate

Concen: 48.344 ug/l

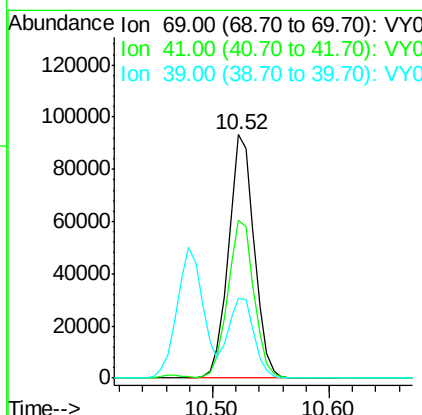
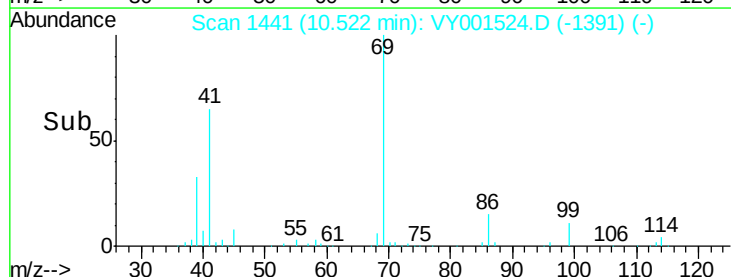
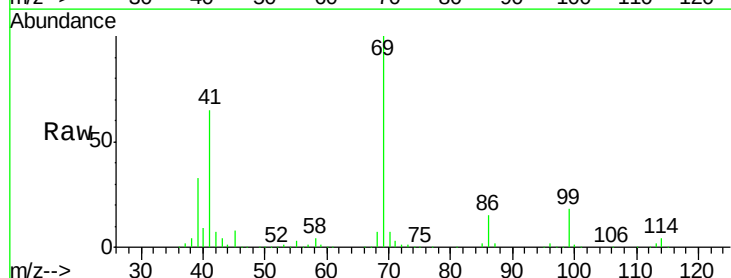
RT: 10.52 min Scan# 1441

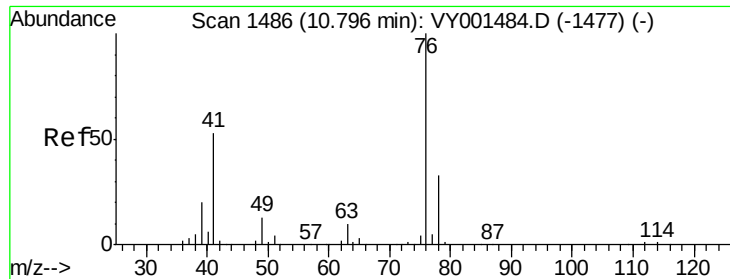
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion	69	Resp	142680
Ion	Ratio	Lower	Upper
69	100		
41	65.6	47.8	71.8
39	33.0	24.4	36.6





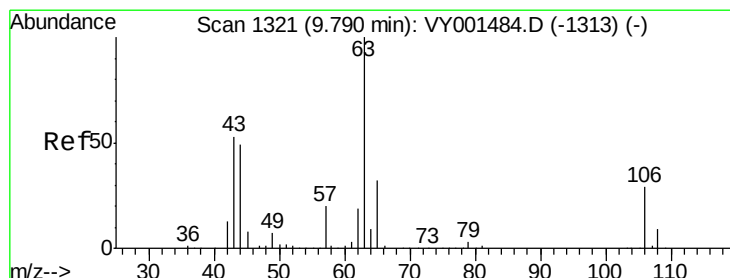
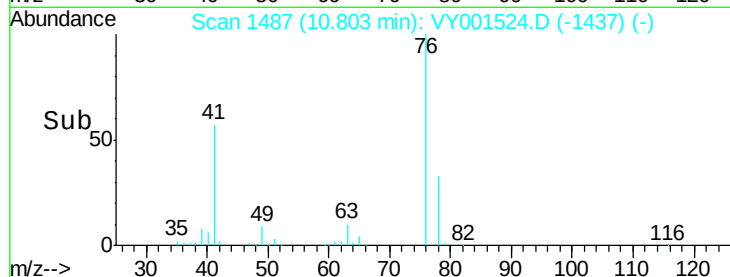
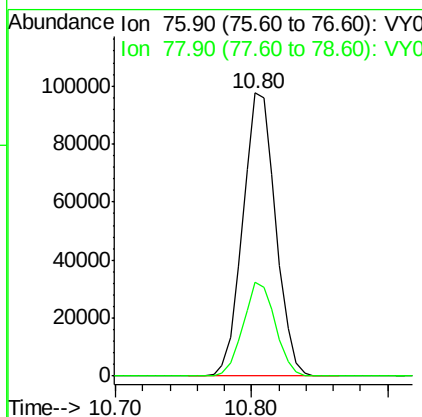
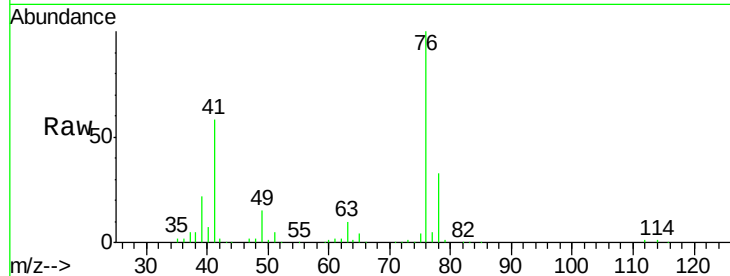
#57
 1,3-Dichloropropane
 Concen: 44.974 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 164504
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

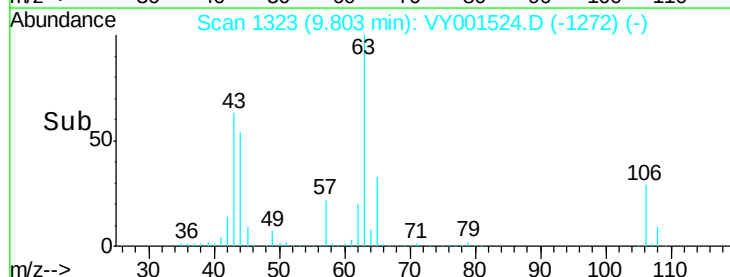
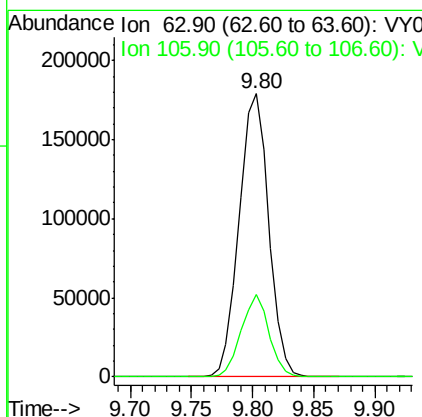
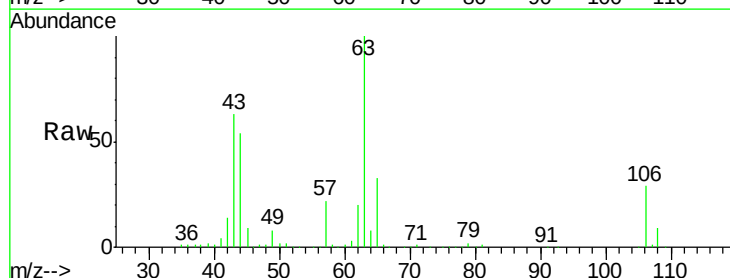
Manual Integrations
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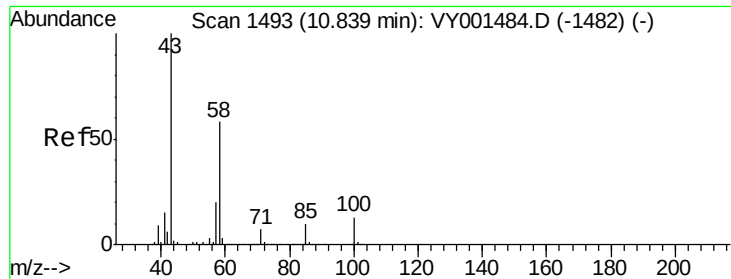
MMDadoda
 2/7/2020 4:50:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.981 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Tgt Ion: 63 Resp: 299641
 Ion Ratio Lower Upper
 63 100
 106 27.3 24.0 36.0





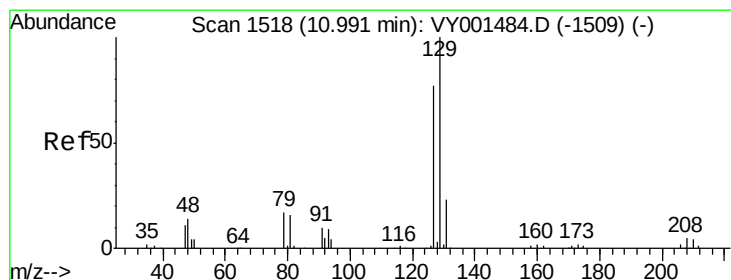
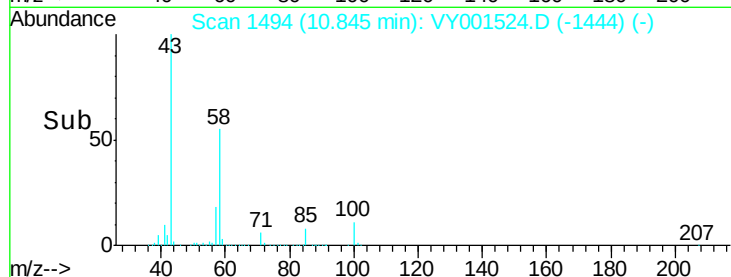
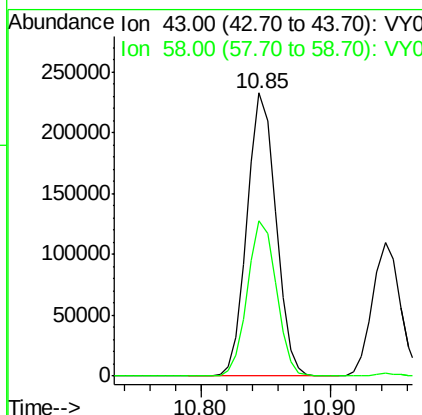
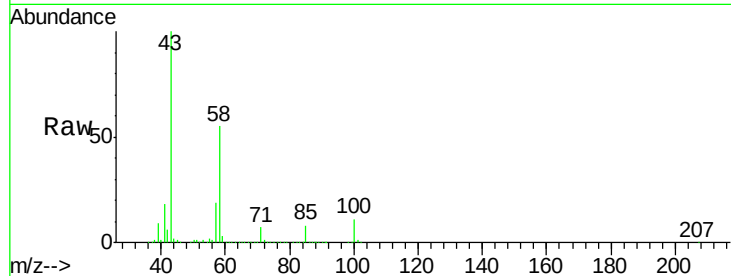
#59
2-Hexanone
Concen: 280.934 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 360546
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0

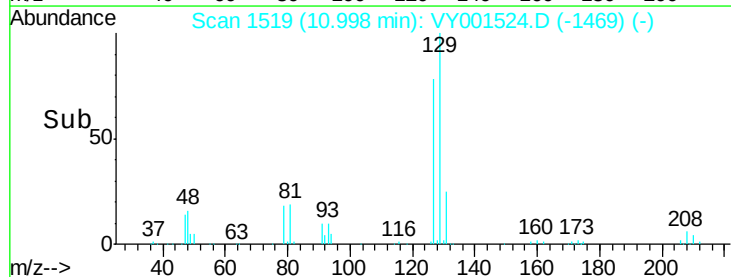
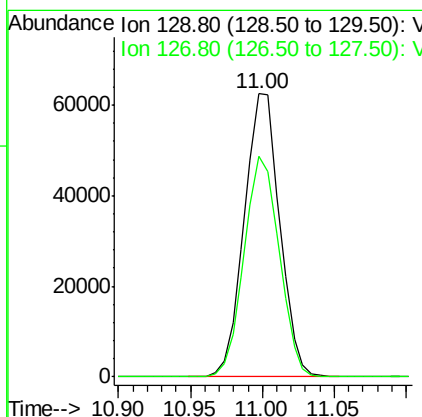
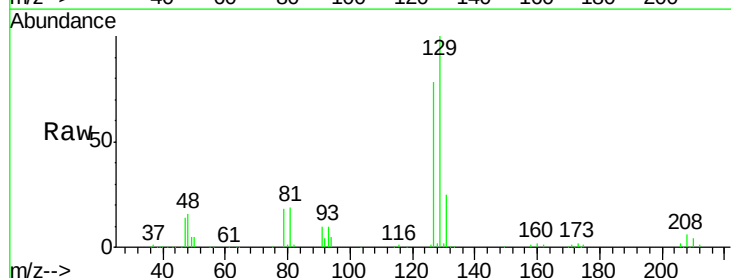
Manual Integrations
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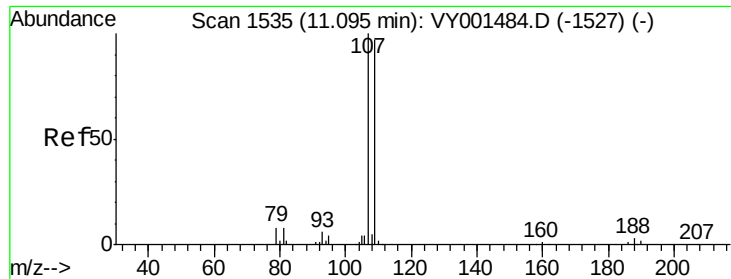
MMDadoda
2/7/2020 4:50:41 PM



#60
Dibromochloromethane
Concen: 43.606 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion: 129 Resp: 106657
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





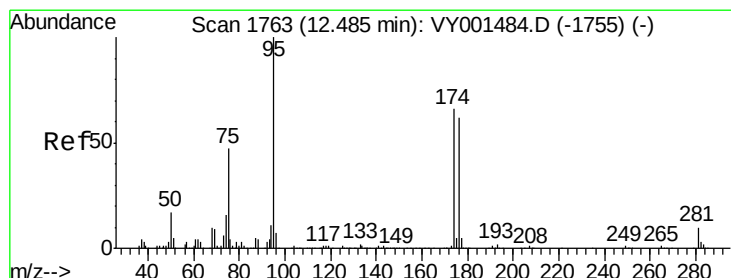
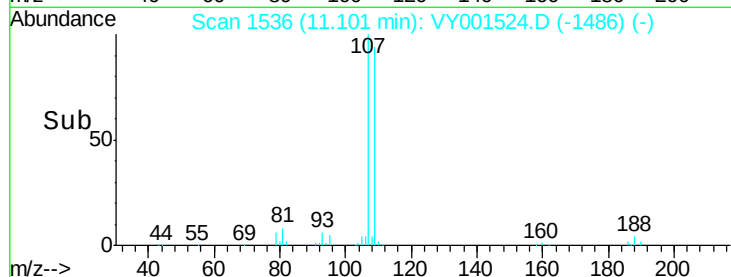
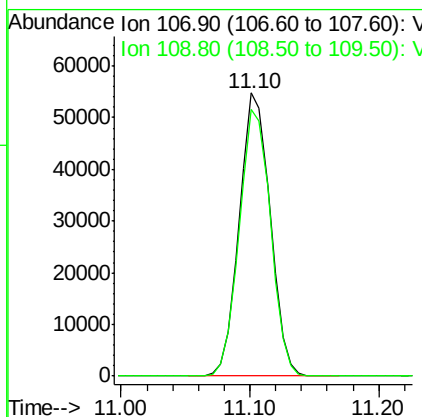
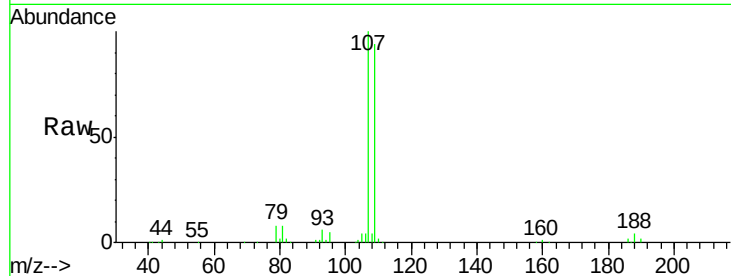
#61
 1,2-Dibromoethane
 Concen: 44.425 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 90795
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2

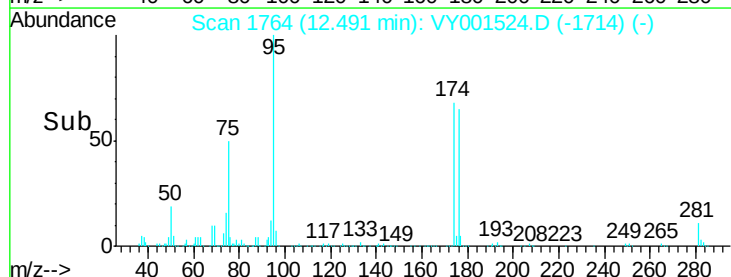
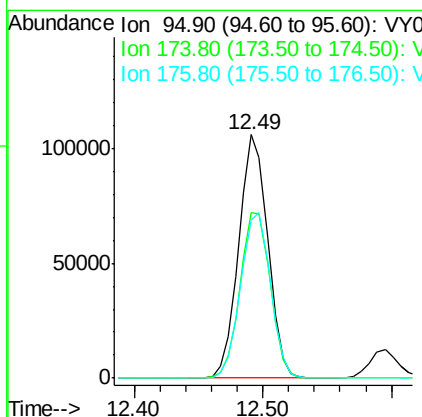
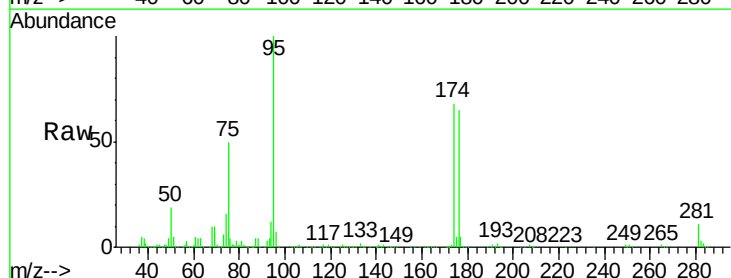
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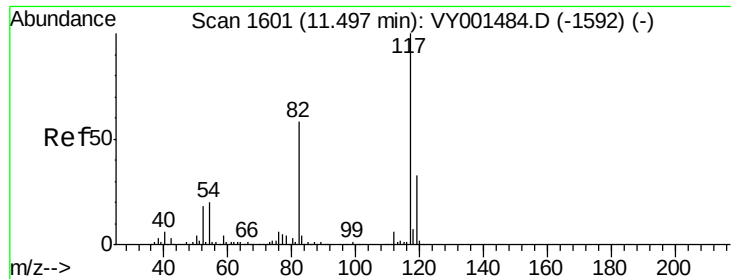
MMDadoda
 2/7/2020 4:50:41 PM



#62
 4-Bromofluorobenzene
 Concen: 47.014 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Tgt Ion: 95 Resp: 165170
 Ion Ratio Lower Upper
 95 100
 174 70.7 0.0 141.4
 176 69.7 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: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

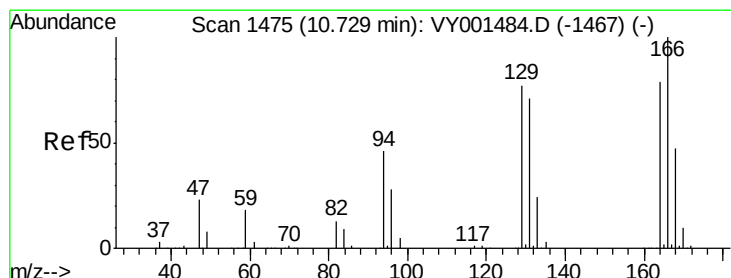
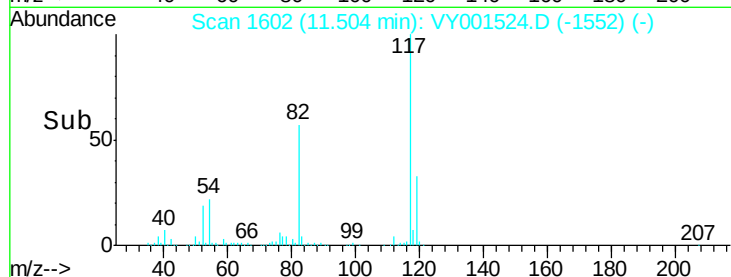
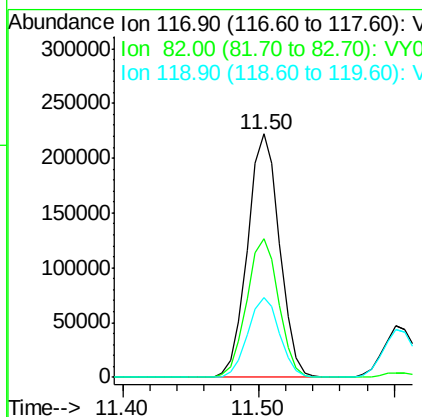
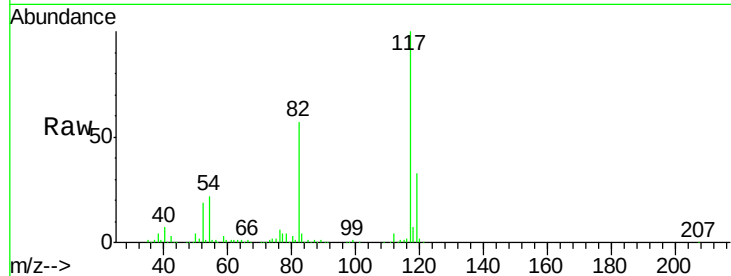
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	366250
Ion Ratio	Lower	Upper	
117	100		
82	56.8	46.1	69.1
119	32.5	26.1	39.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 40.951 ug/l

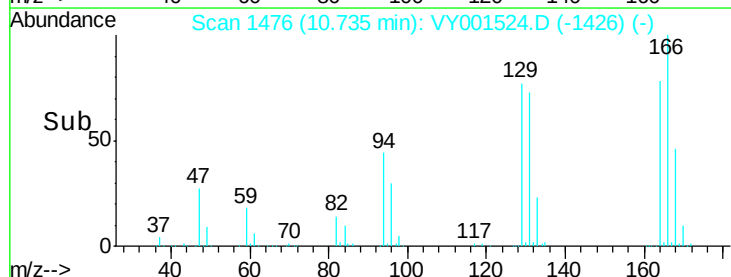
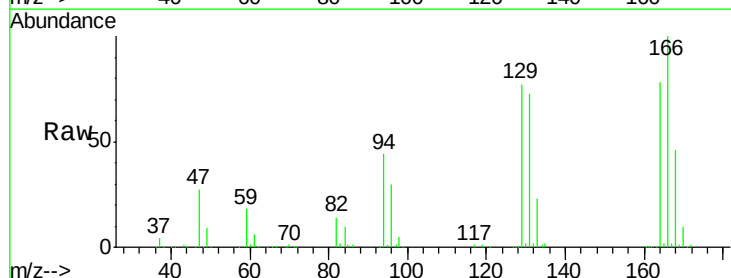
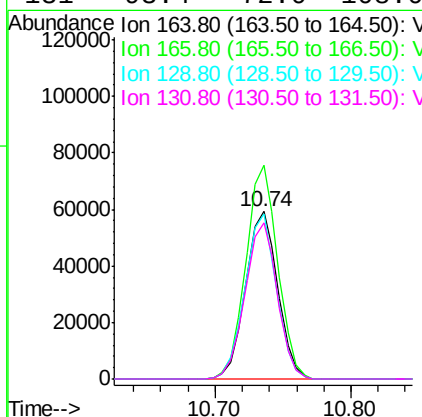
RT: 10.74 min Scan# 1476

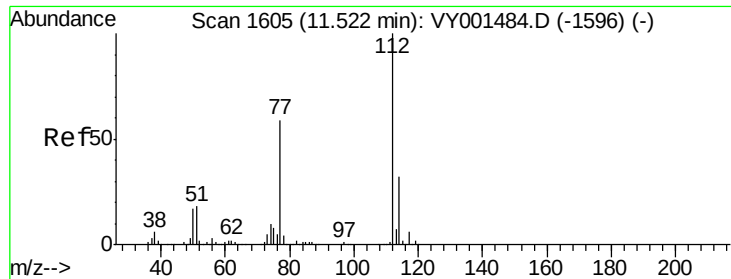
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	164	Resp:	98360
Ion Ratio	Lower	Upper	
164	100		
166	127.8	100.8	151.2
129	98.6	77.8	116.6
131	93.4	72.0	108.0





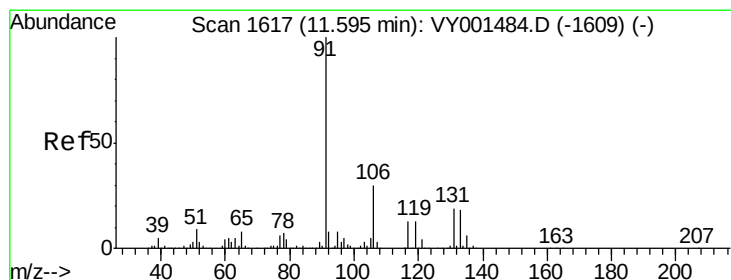
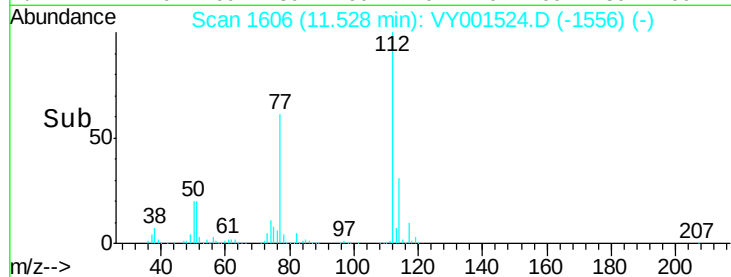
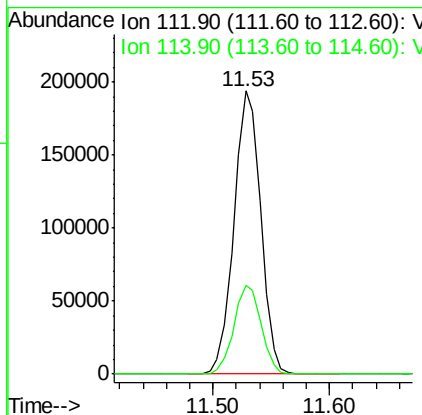
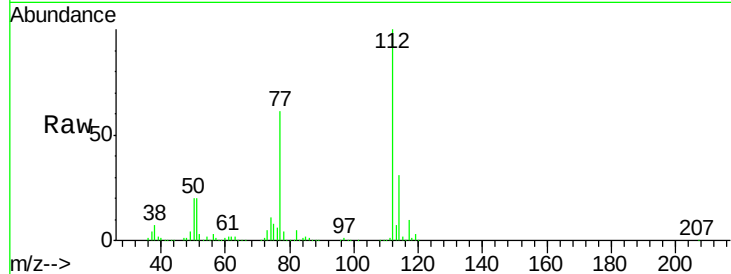
#65
Chlorobenzene
Concen: 43.123 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2

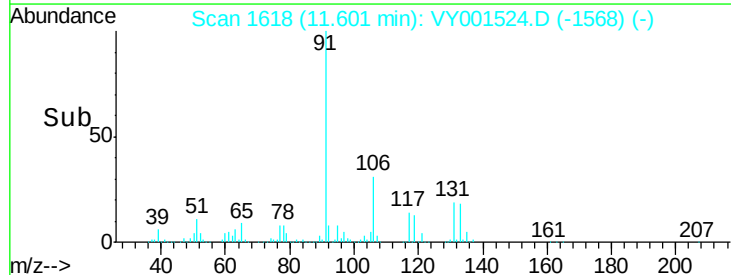
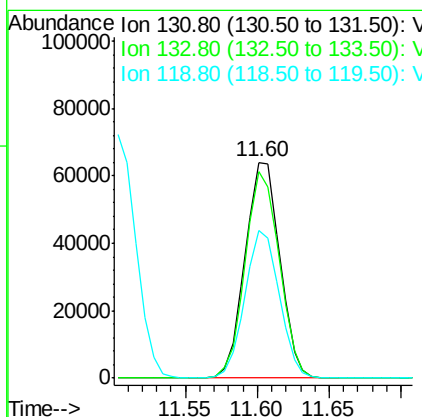
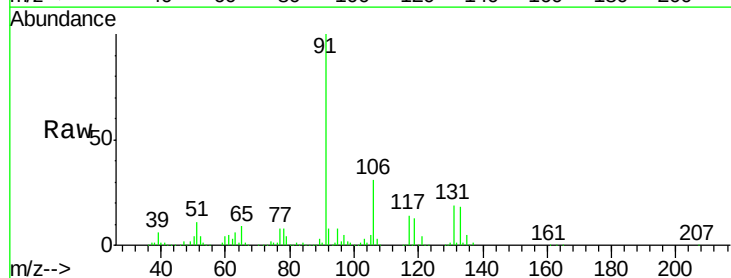
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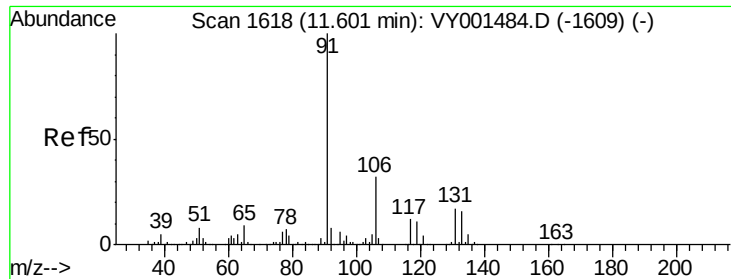
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 42.536 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.9	143.8
119	67.5	33.7	101.0





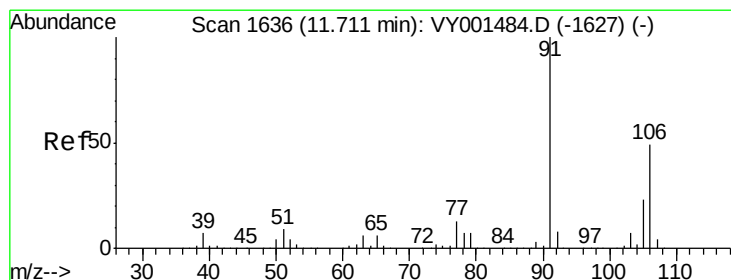
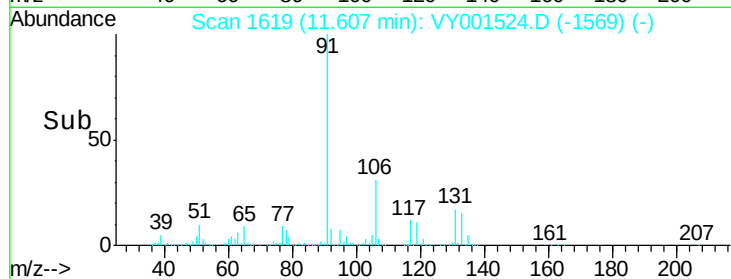
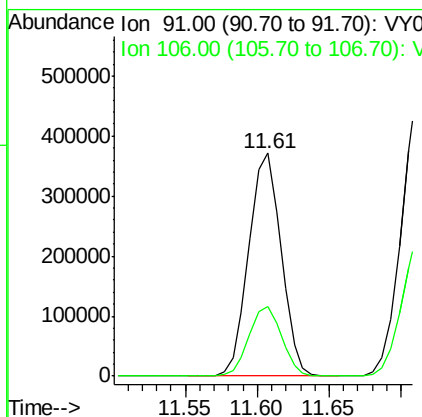
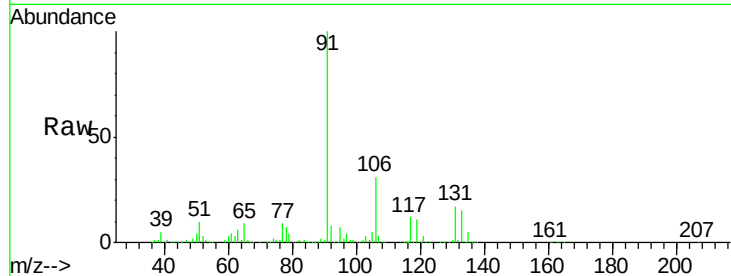
#67
Ethyl Benzene
Concen: 43.392 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 576958
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

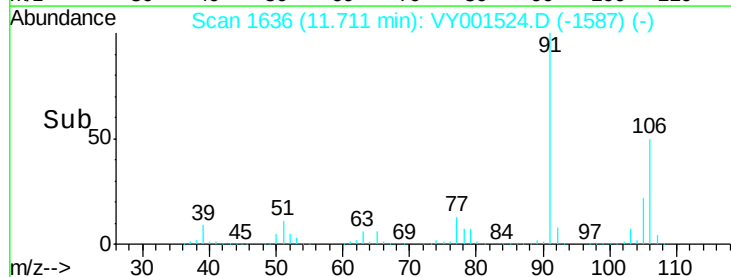
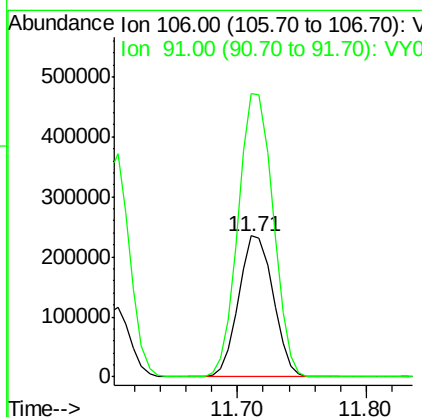
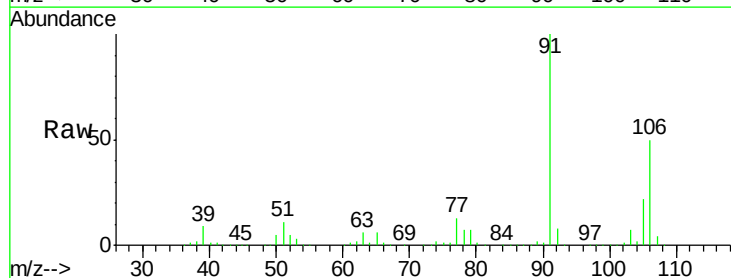
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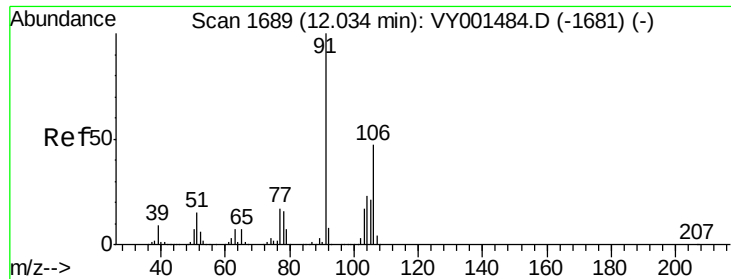
MMDadoda
2/7/2020 4:50:41 PM



#68
m/p-Xylenes
Concen: 87.644 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion: 106 Resp: 437478
Ion Ratio Lower Upper
106 100
91 202.9 163.6 245.4





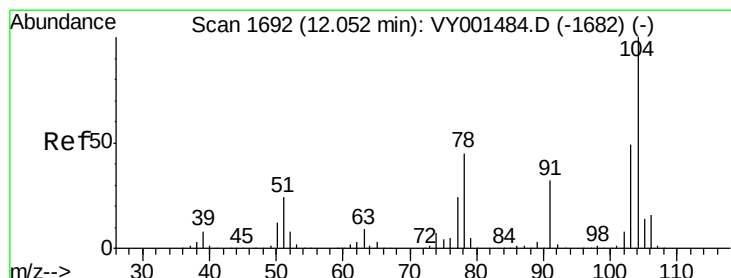
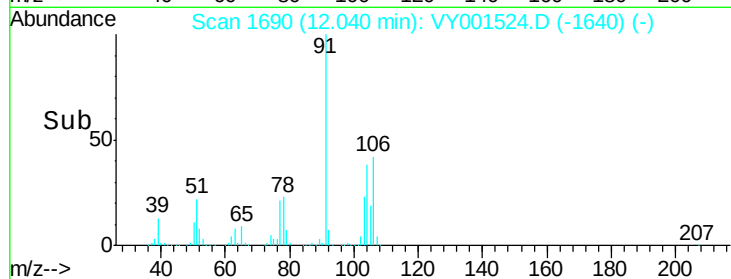
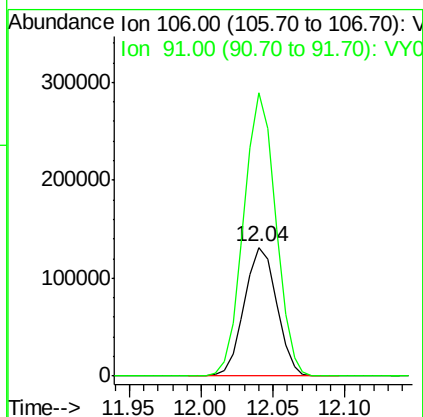
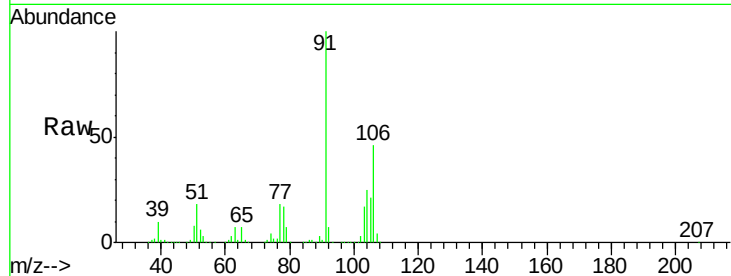
#69
o-Xylene
Concen: 43.727 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		205796		
91	216.3	106.0	318.0		

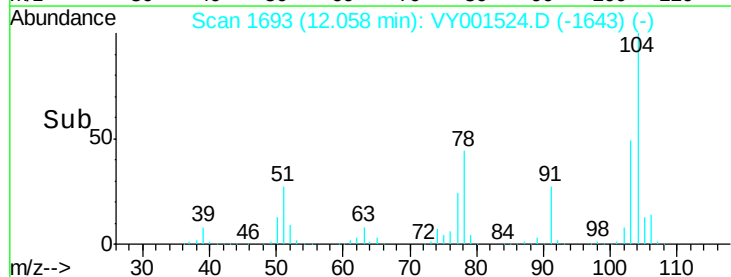
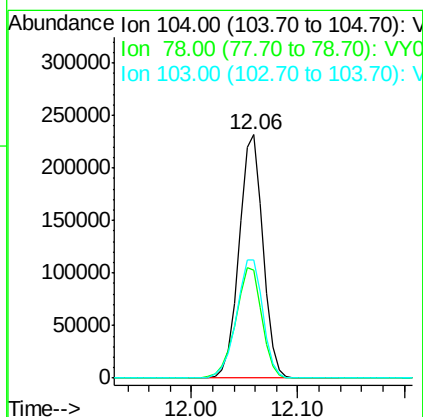
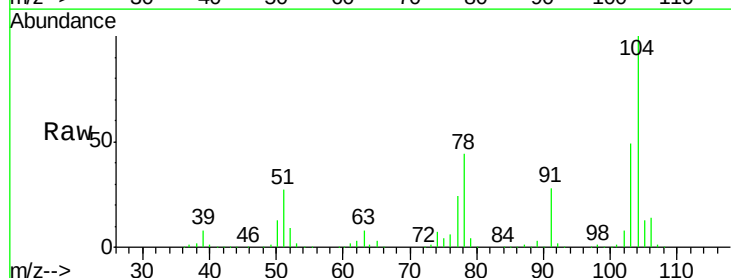
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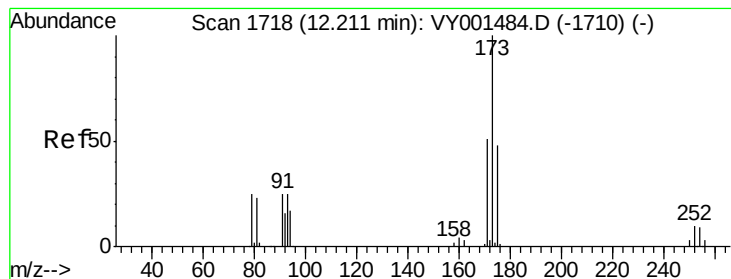
MMDadoda
2/7/2020 4:50:41 PM



#70
Styrene
Concen: 44.775 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		364408		
78	49.6	40.4	60.6		
103	53.7	42.8	64.2		





#71

Bromoform

Concen: 45.136 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 63257

Ion Ratio Lower Upper

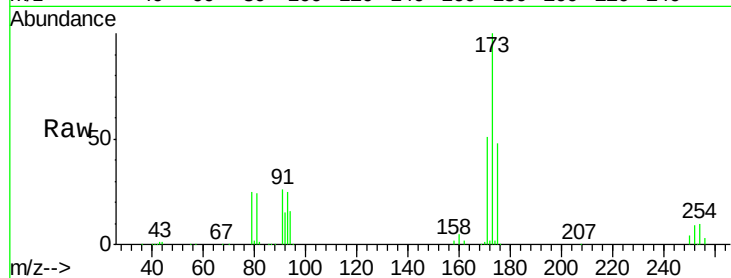
173 100

175 48.7 24.0 72.0

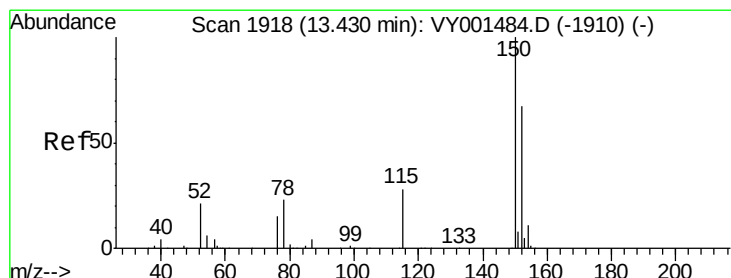
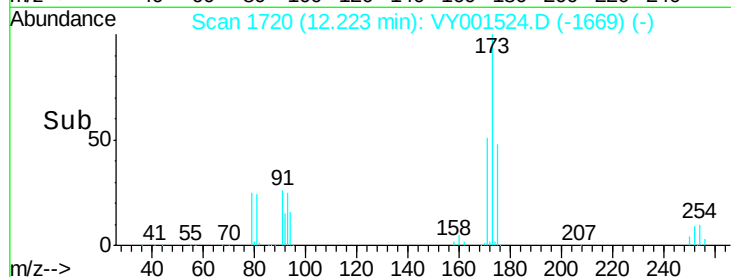
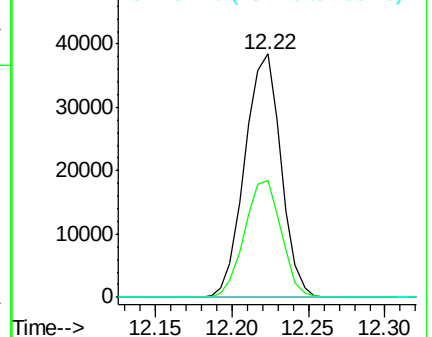
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

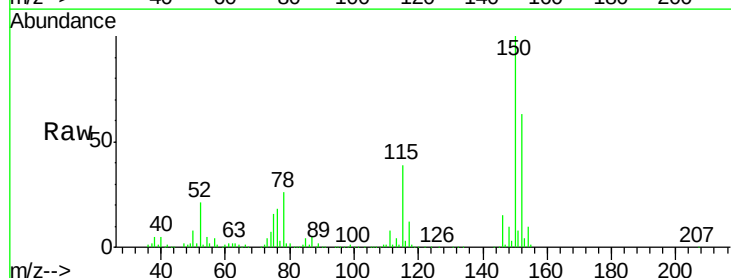
Tgt Ion:152 Resp: 176374

Ion Ratio Lower Upper

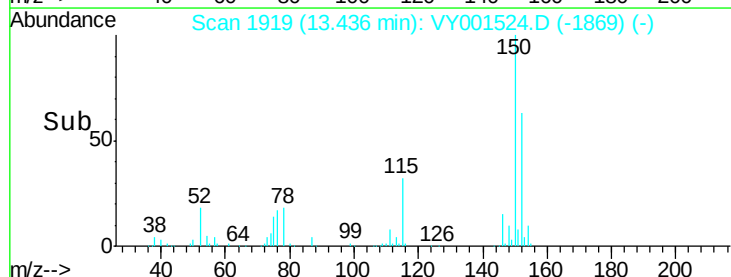
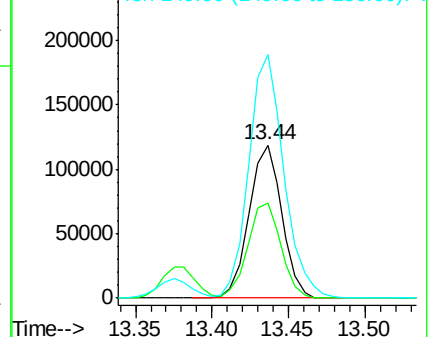
152 100

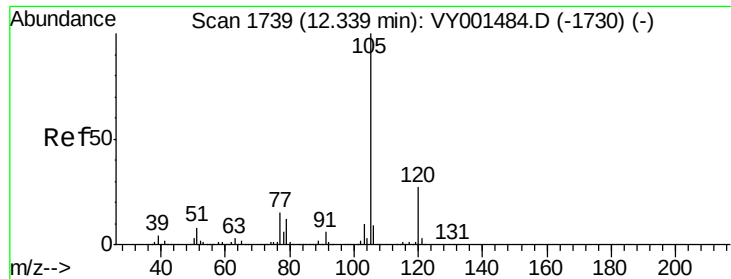
115 62.7 31.4 94.3

150 171.2 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: 41.673 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 560578

Ion Ratio Lower Upper

105 100

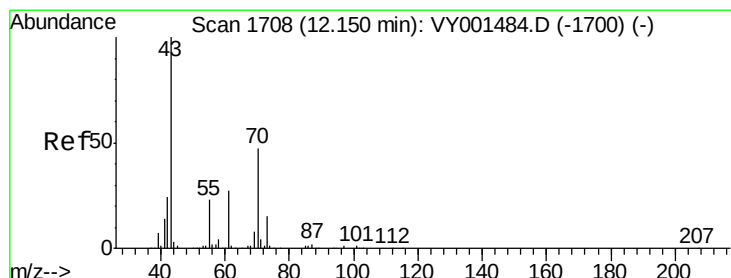
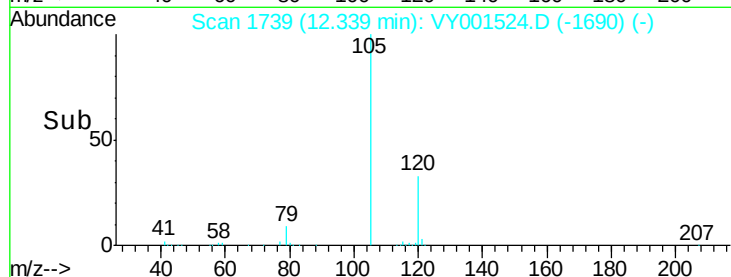
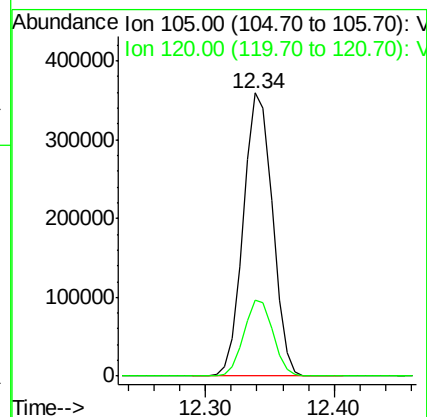
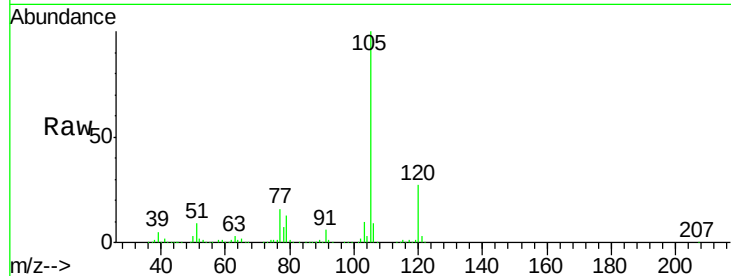
120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 52.016 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion: 43 Resp: 181822

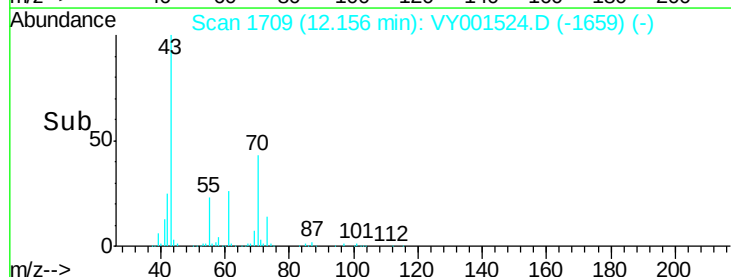
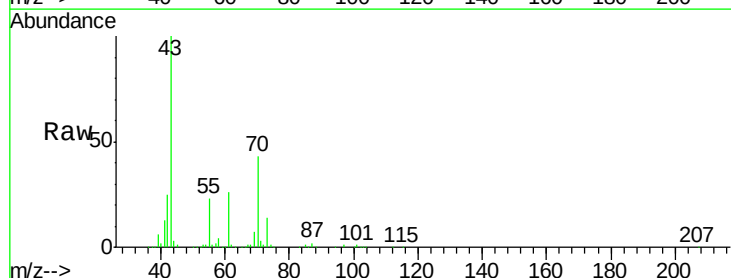
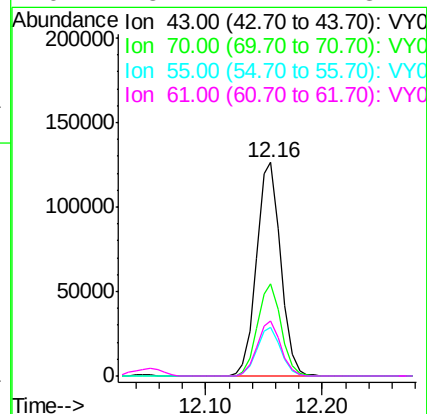
Ion Ratio Lower Upper

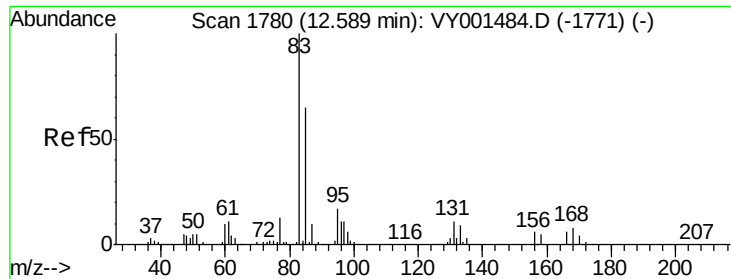
43 100

70 42.5 37.2 55.8

55 22.5 18.8 28.2

61 25.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.002 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

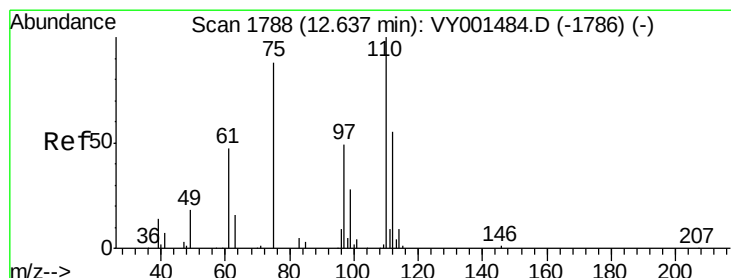
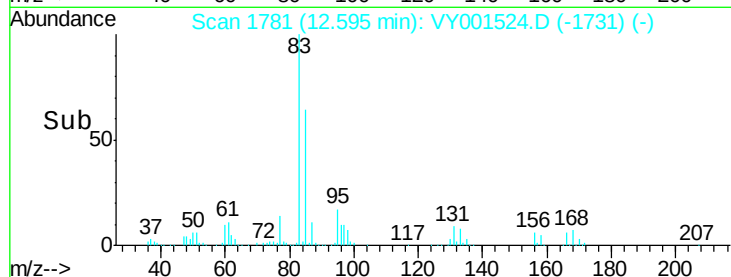
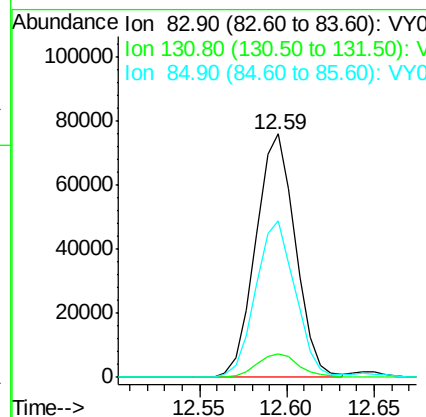
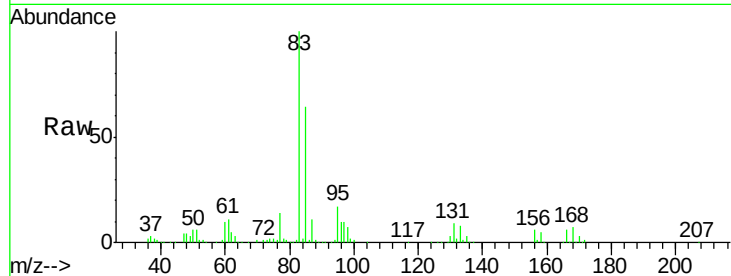
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120124
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.4	16.2
85	64.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 44.260 ug/l m

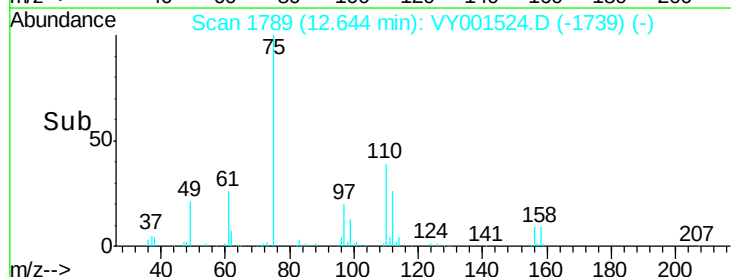
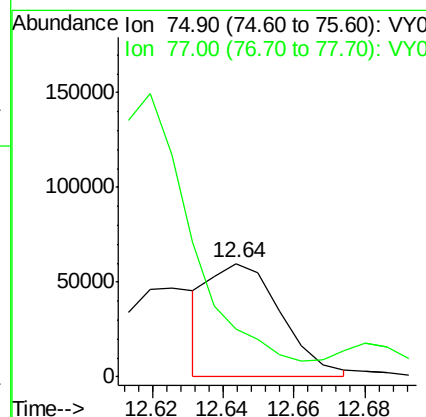
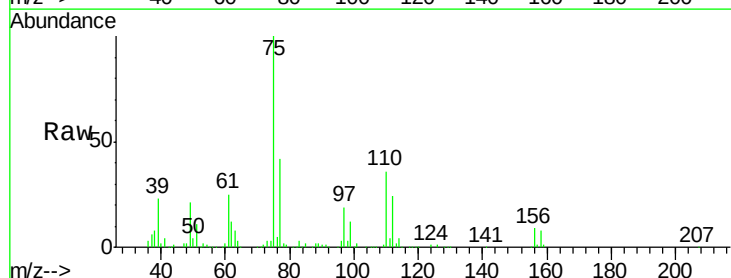
RT: 12.64 min Scan# 1789

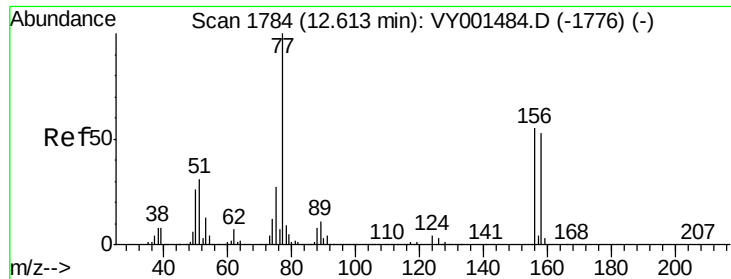
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	75	Resp:	83950
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.026 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

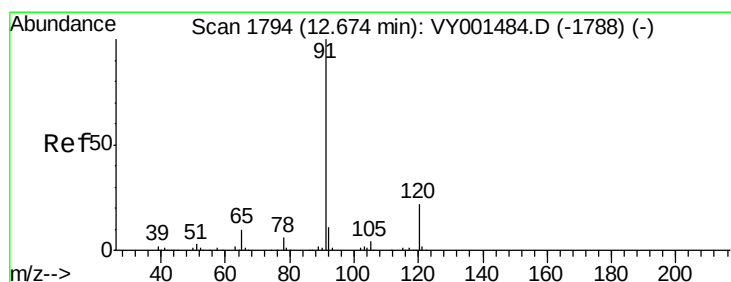
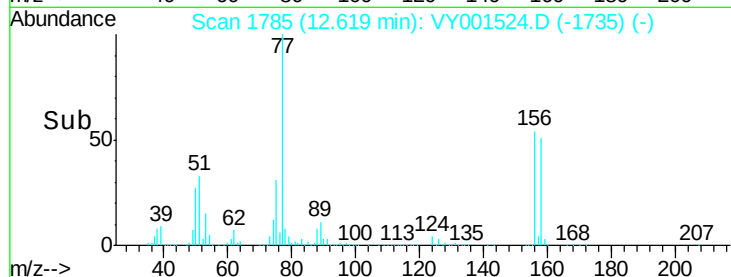
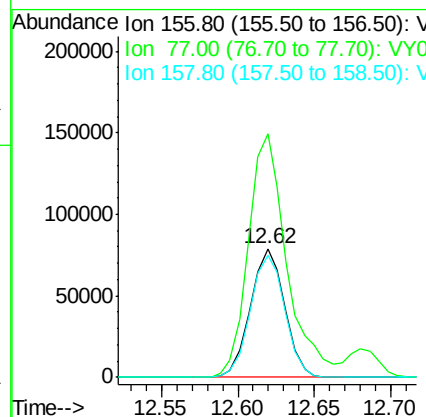
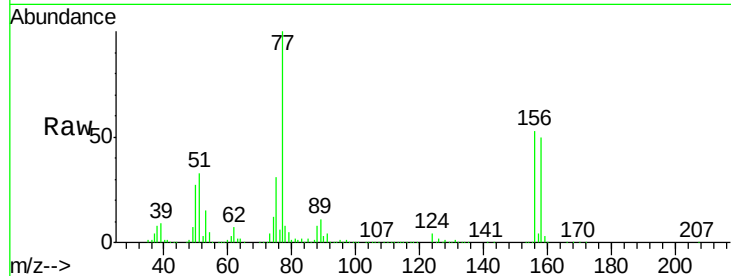
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	122342
Ion Ratio	Lower	Upper	
156	100		
77	212.3	99.8	299.3
158	95.8	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 43.061 ug/l

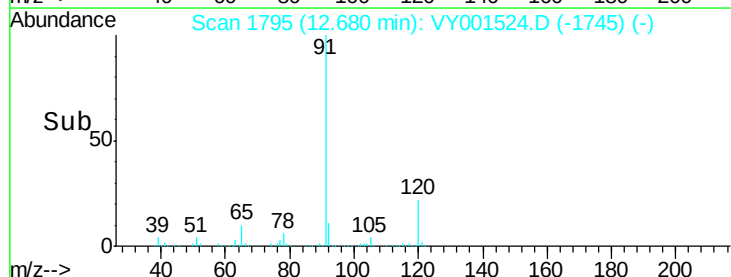
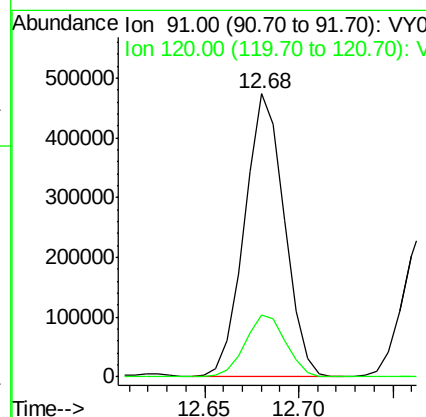
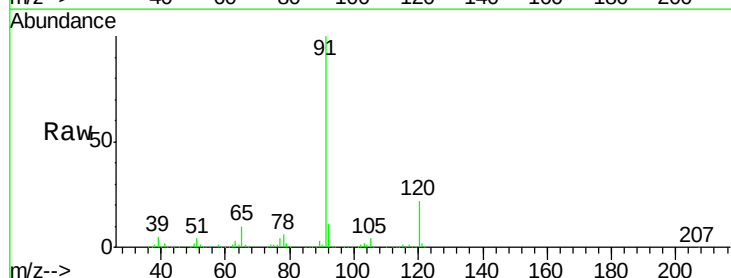
RT: 12.68 min Scan# 1795

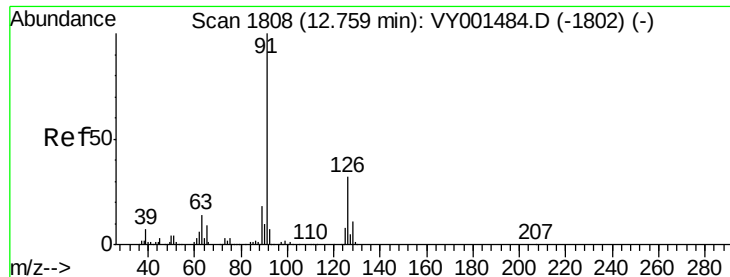
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	91	Resp:	693453
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 42.238 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 387721

Ion Ratio Lower Upper

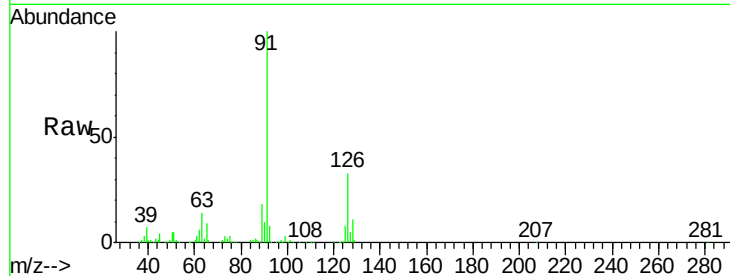
91 100

126 32.9 16.4 49.2

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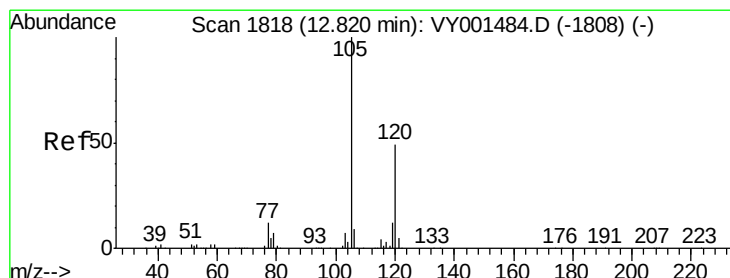
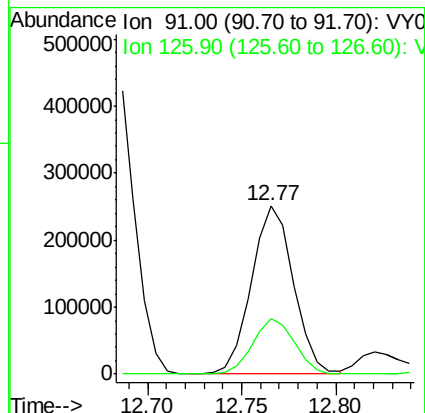
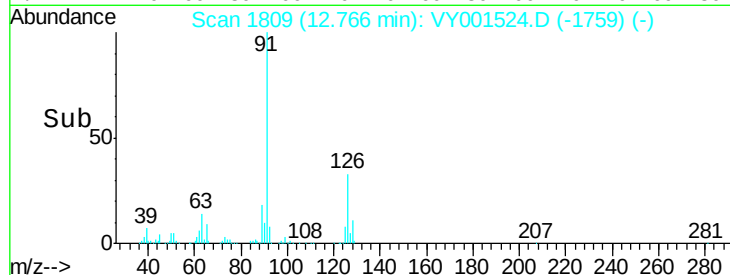
2/7/2020 4:50:41 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001484.D (-1802) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 41.344 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001524.D

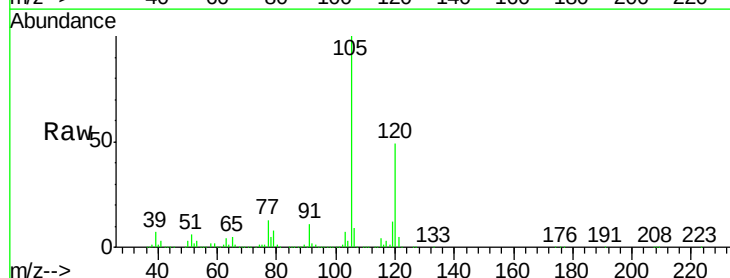
Acq: 06 Feb 2020 11:44

Tgt Ion: 105 Resp: 468366

Ion Ratio Lower Upper

105 100

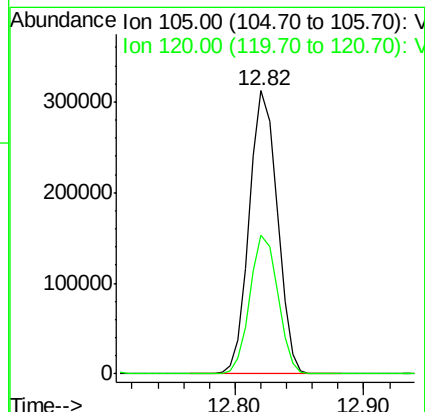
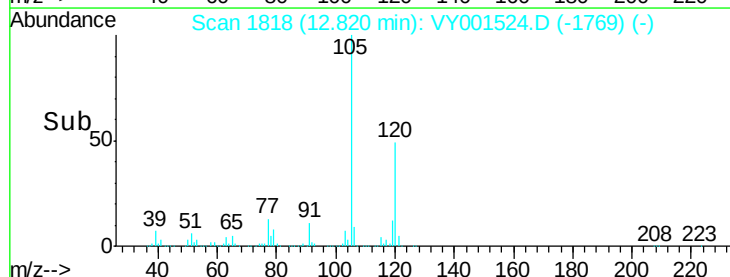
120 49.0 24.1 72.2

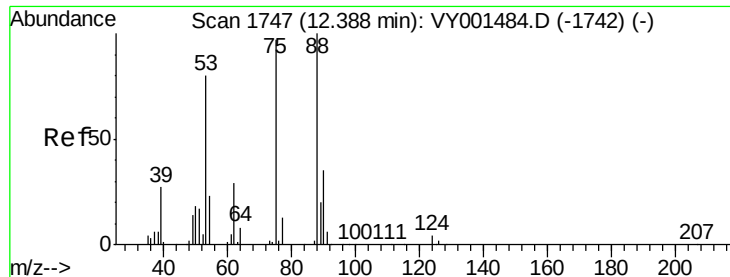


Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001484.D (-1808) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.298 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 47344

Ion Ratio Lower Upper

75 100

53 82.3 67.7 101.5

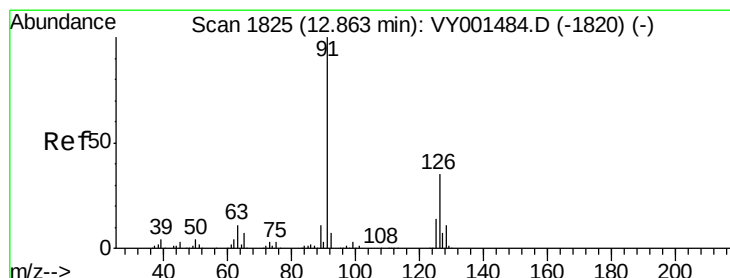
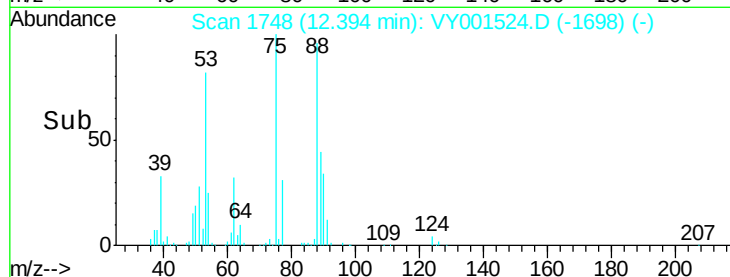
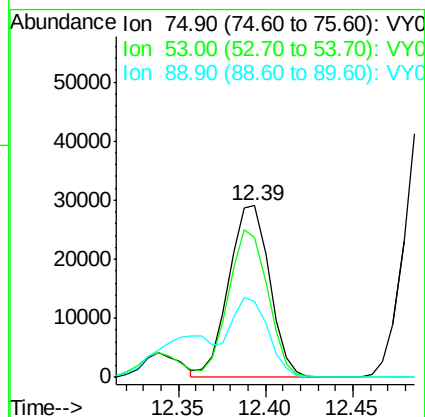
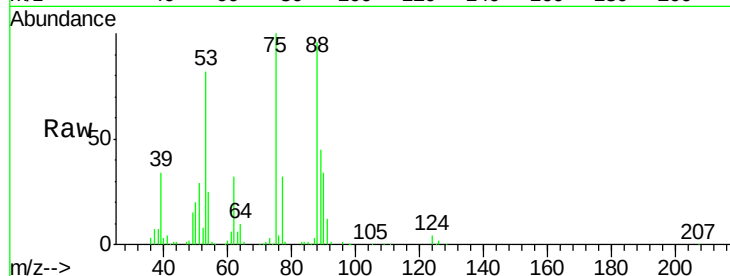
89 44.5 34.6 52.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 42.355 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001524.D

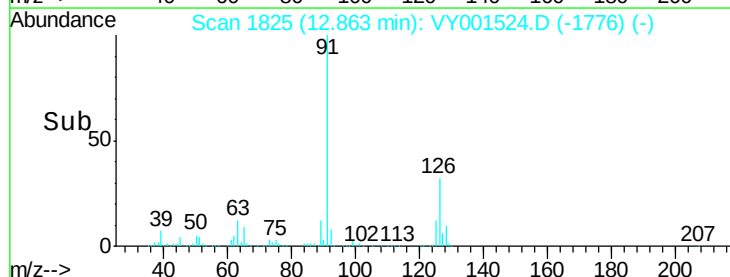
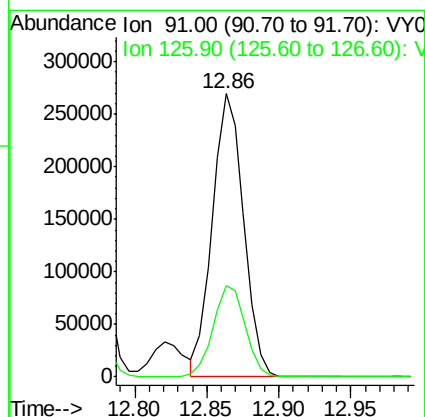
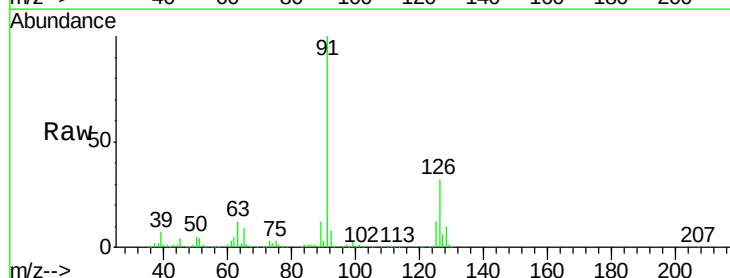
Acq: 06 Feb 2020 11:44

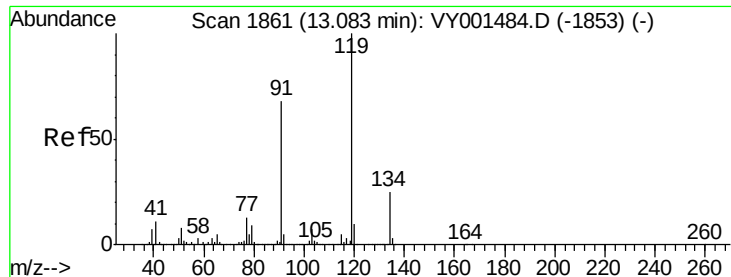
Tgt Ion: 91 Resp: 407644

Ion Ratio Lower Upper

91 100

126 33.2 16.5 49.5





#83

tert-Butylbenzene

Concen: 40.929 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

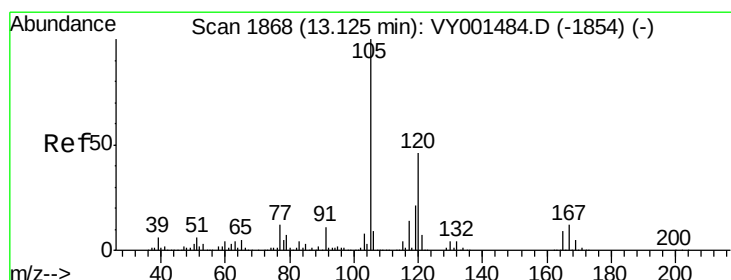
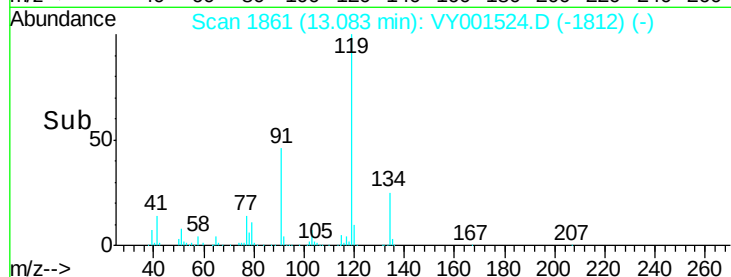
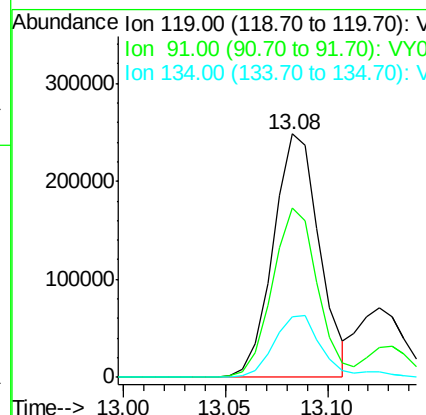
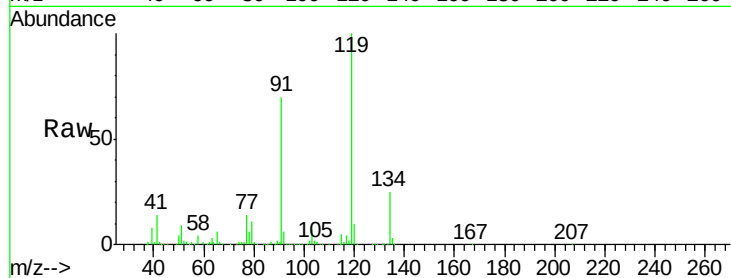
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	391931
Ion Ratio	Lower	Upper	
119	100		
91	68.6	33.1	99.3
134	27.0	13.0	39.0

Manual Integrations
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2/7/2020 4:50:41 PM



#84

1,2,4-Trimethylbenzene

Concen: 41.920 ug/l

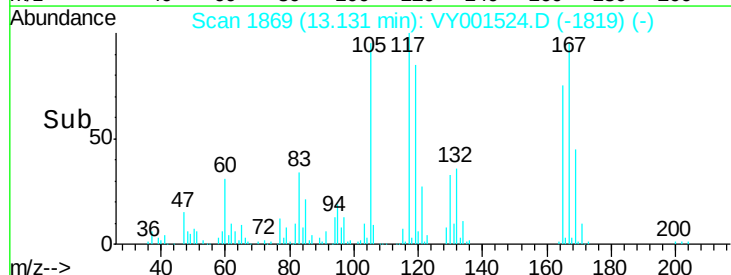
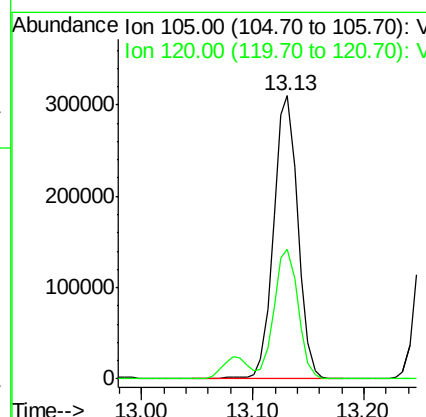
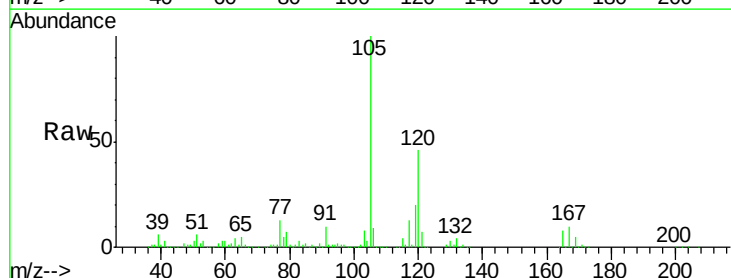
RT: 13.13 min Scan# 1869

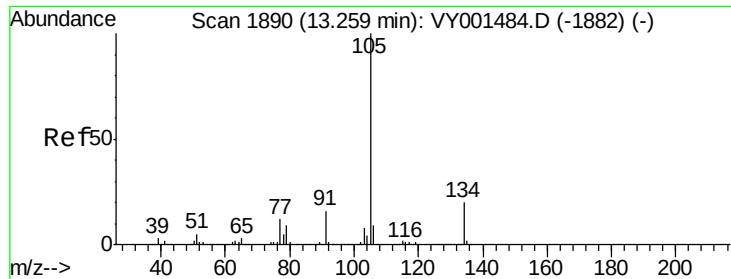
Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	105	Resp:	470019
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.4	67.0





#85

sec-Butylbenzene

Concen: 42.425 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 571179

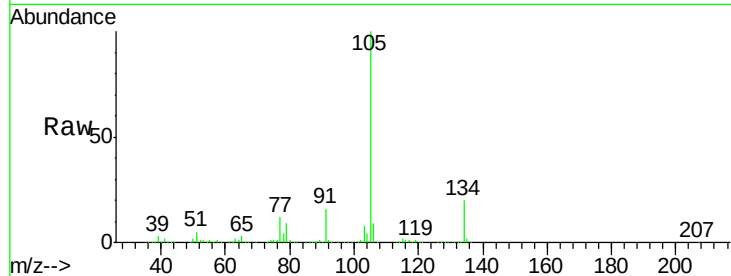
Ion Ratio Lower Upper

105 100

134 19.6 10.0 29.8

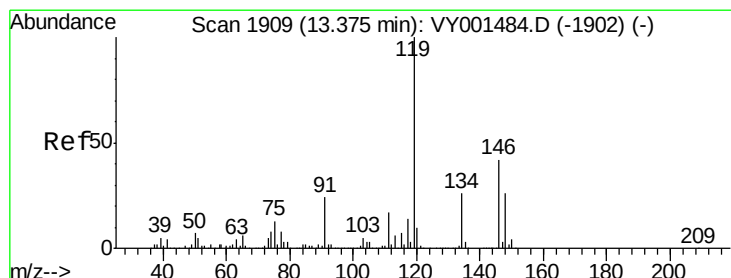
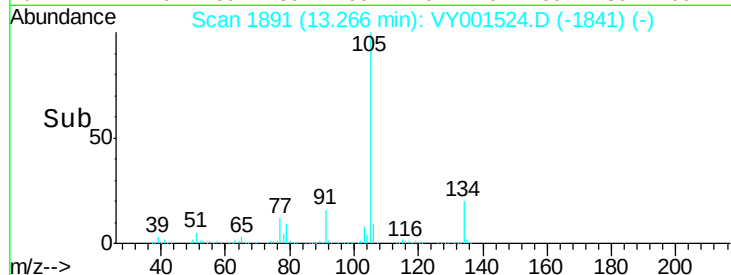
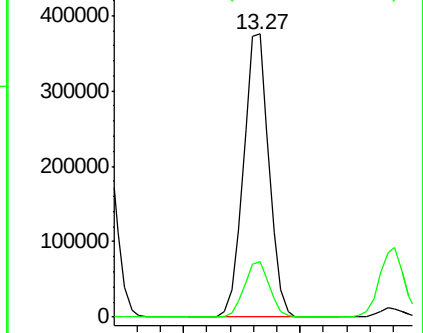
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.640 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

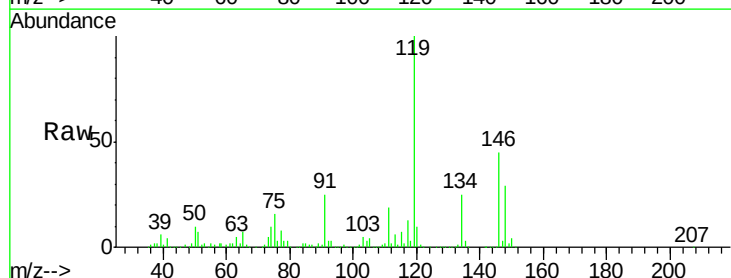
Tgt Ion:119 Resp: 505894

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

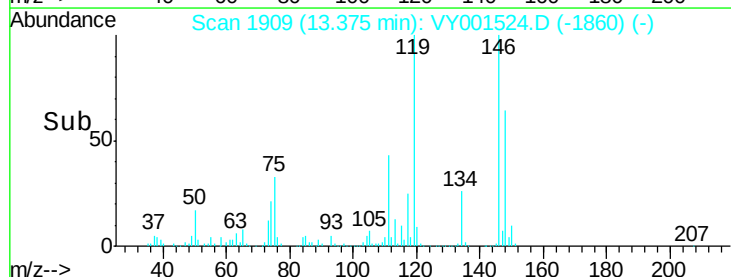
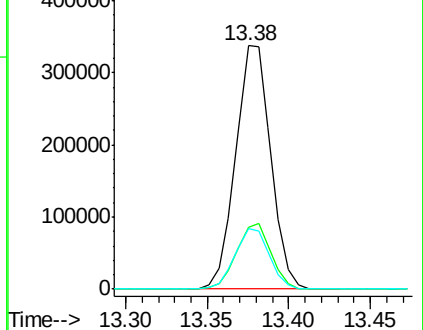
91 24.4 12.2 36.6

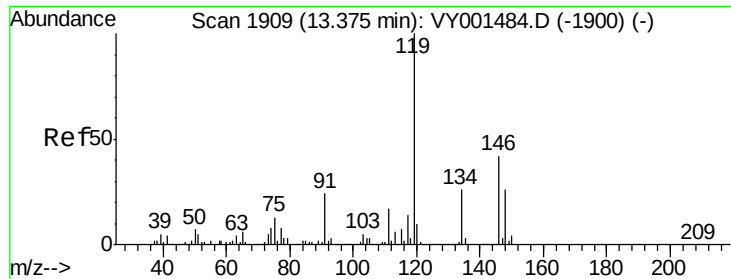


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 42.159 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

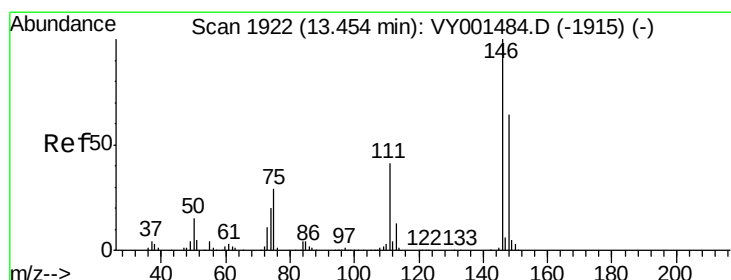
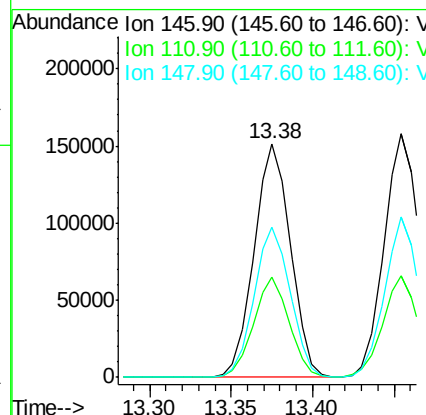
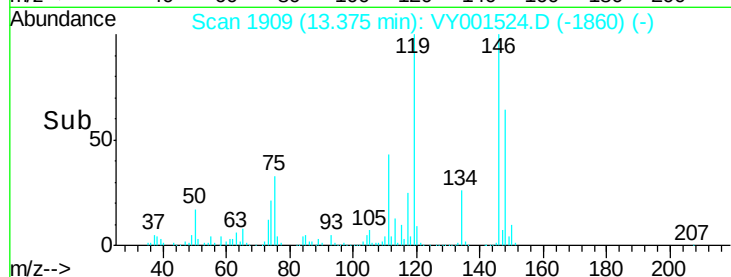
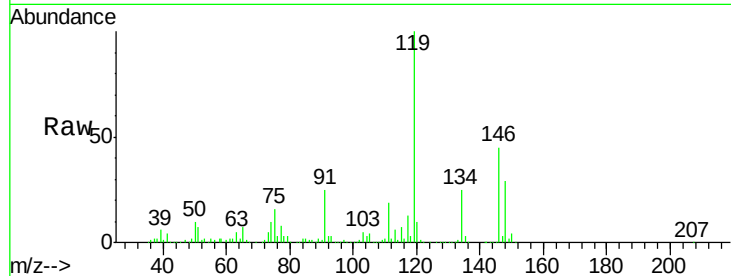
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	235205
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.3	63.9
148	64.0	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 42.618 ug/l

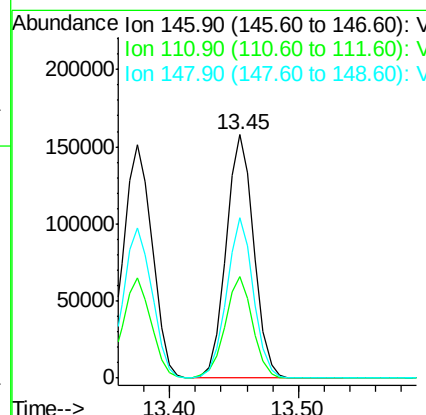
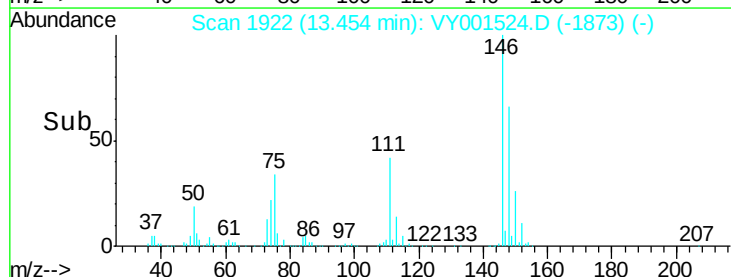
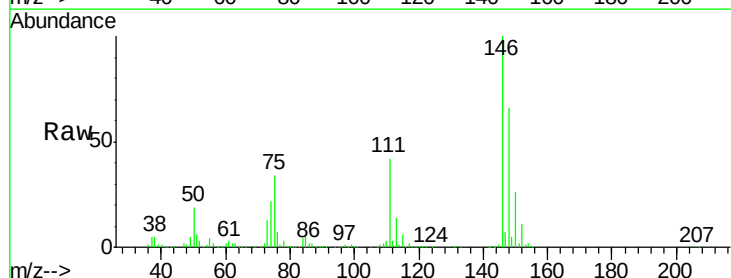
RT: 13.45 min Scan# 1922

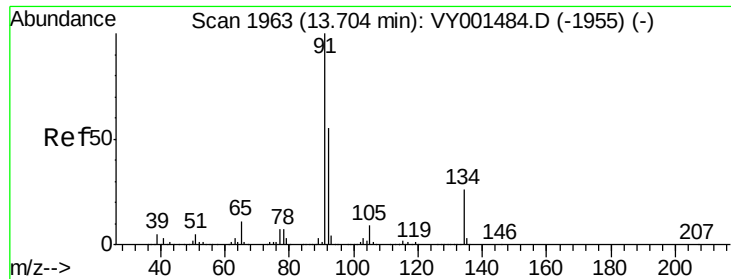
Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	146	Resp:	238201
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.7	62.1
148	64.1	32.1	96.5





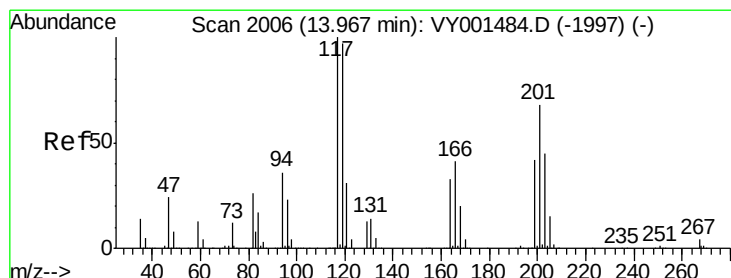
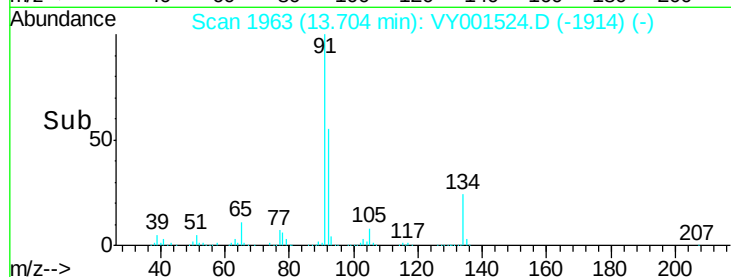
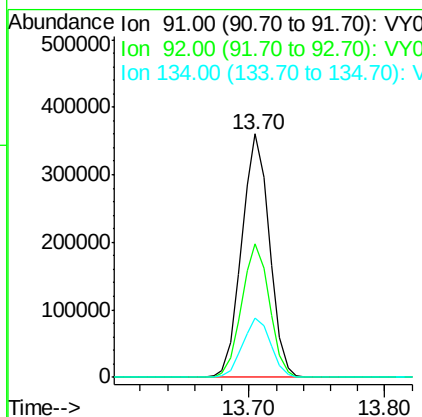
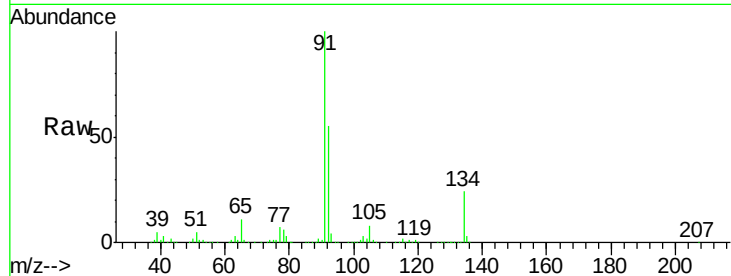
#89
n-Butylbenzene
Concen: 43.828 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.3	81.9
134	24.7	13.0	38.9

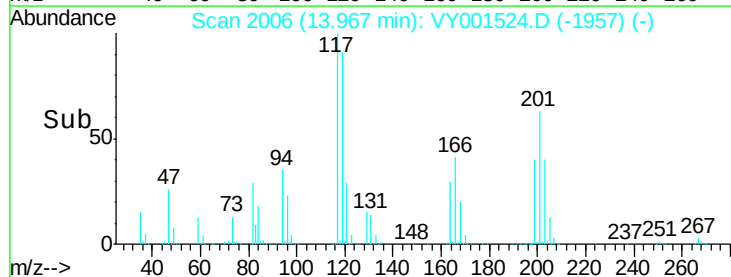
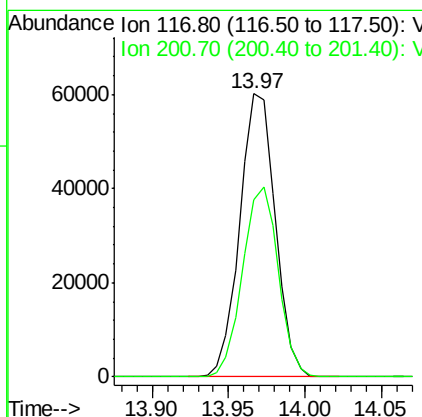
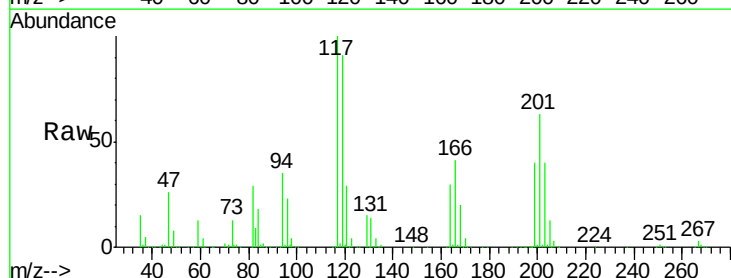
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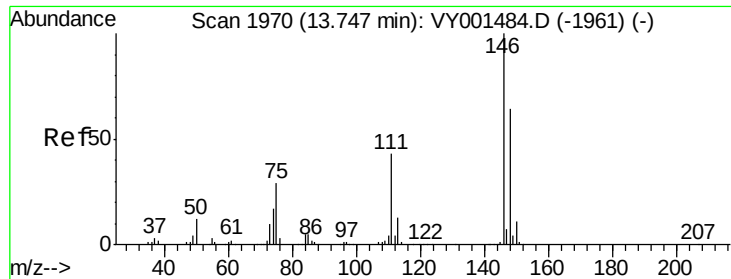
MMDadoda
2/7/2020 4:50:41 PM



#90
Hexachloroethane
Concen: 42.714 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.1	102.3





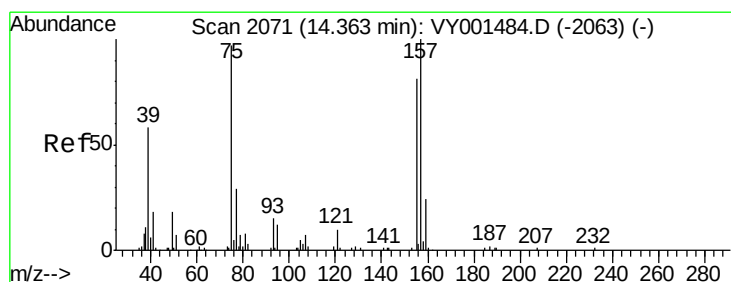
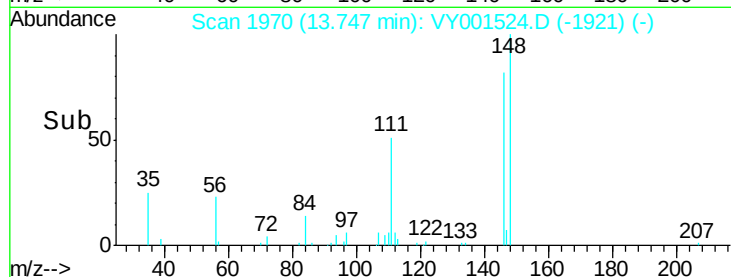
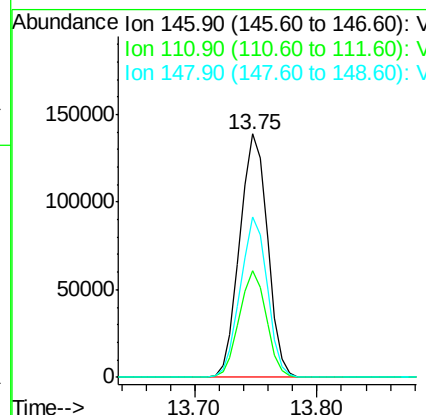
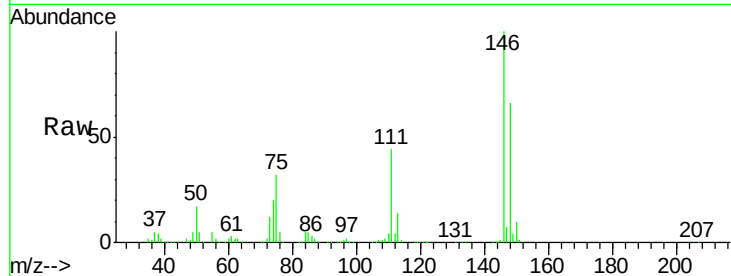
#91
 1,2-Dichlorobenzene
 Concen: 43.137 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.9	65.8
148	63.9	31.8	95.3

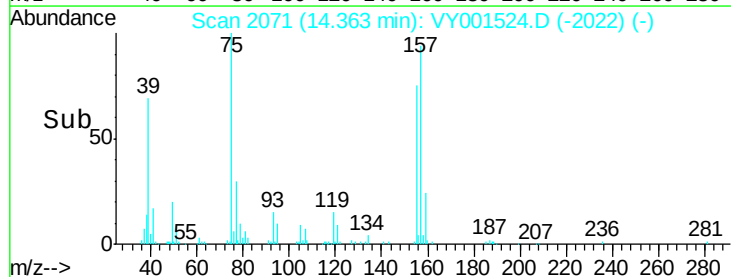
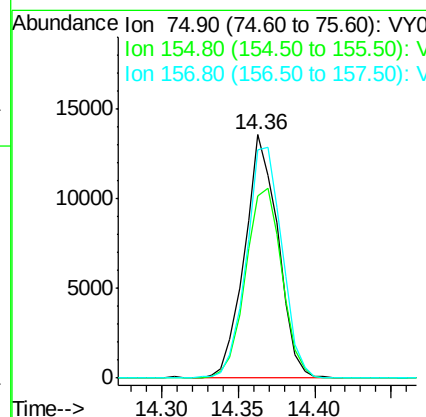
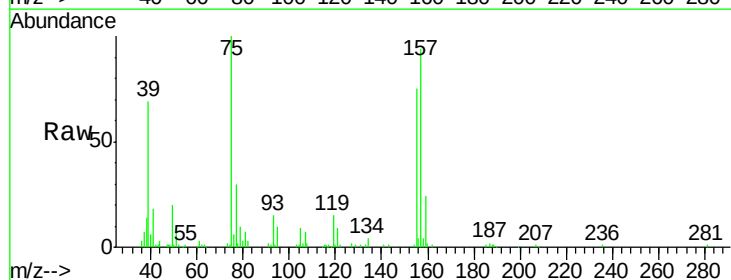
Manual Integrations
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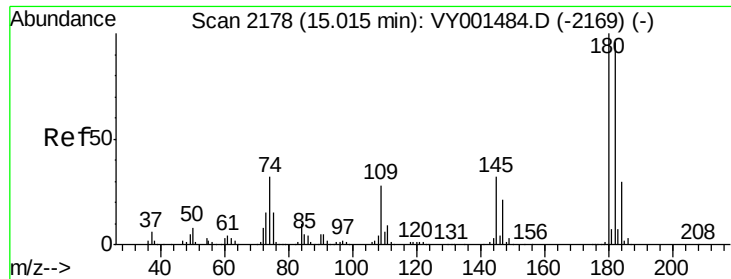
MMDadoda
 2/7/2020 4:50:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.613 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001524.D
 Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	40.7	122.1
157	101.0	52.3	157.1





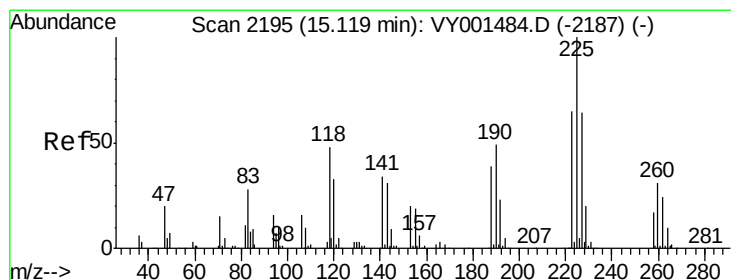
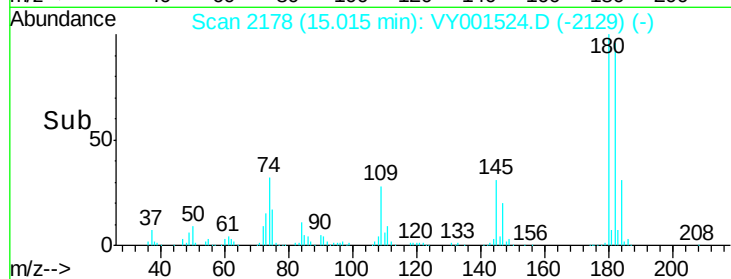
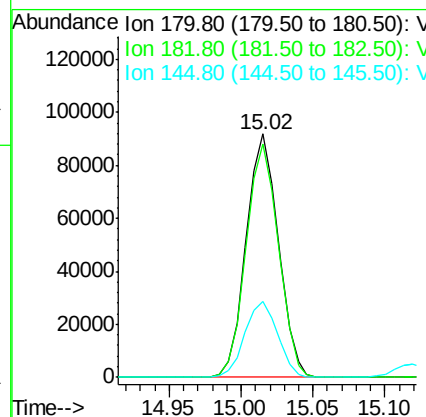
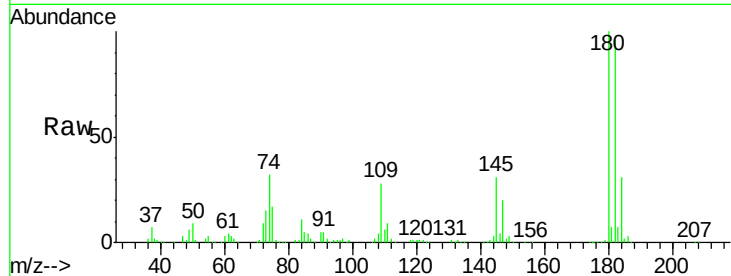
#93
1,2,4-Trichlorobenzene
Concen: 41.818 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142475		
182	96.2	46.9	140.7	
145	31.8	16.8	50.3	

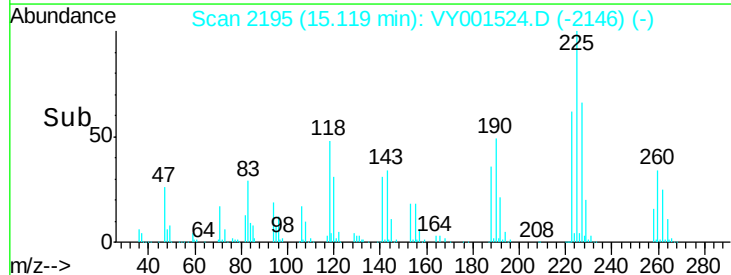
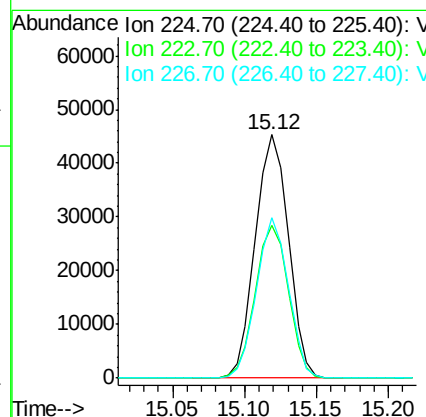
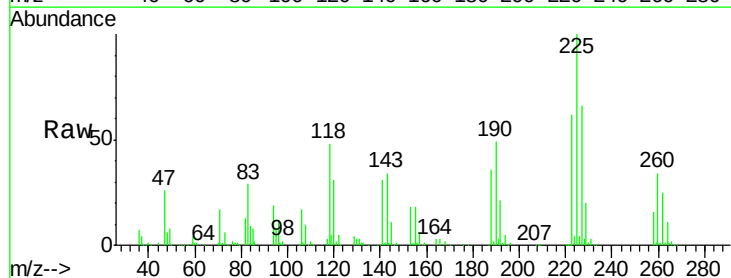
Manual Integrations
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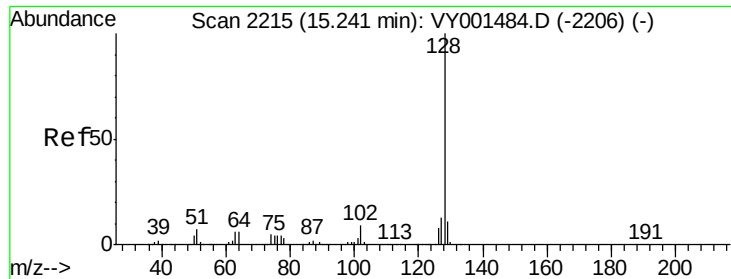
MMDadoda
2/7/2020 4:50:41 PM



#94
Hexachlorobutadiene
Concen: 41.780 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001524.D
Acq: 06 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72245		
223	62.7	31.9	95.7	
227	63.3	32.6	97.7	





#95

Naphthalene

Concen: 42.005 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Instrument :

MSVOA_Y

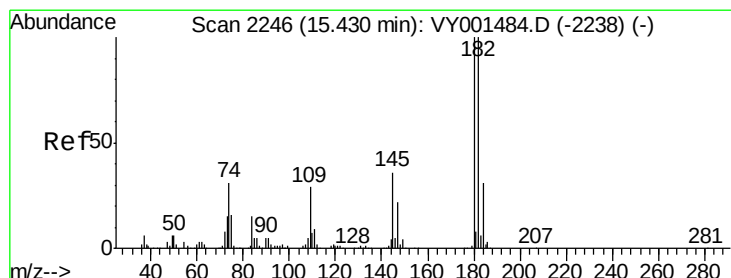
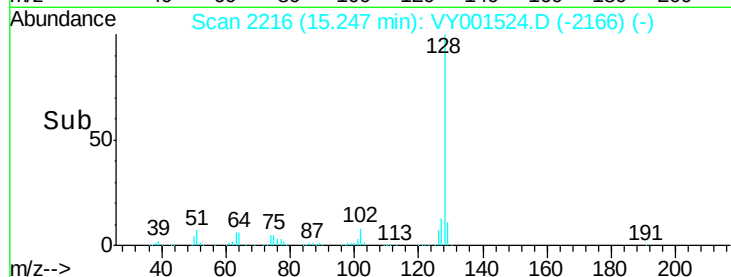
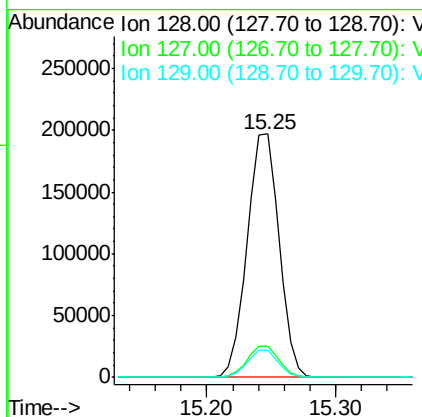
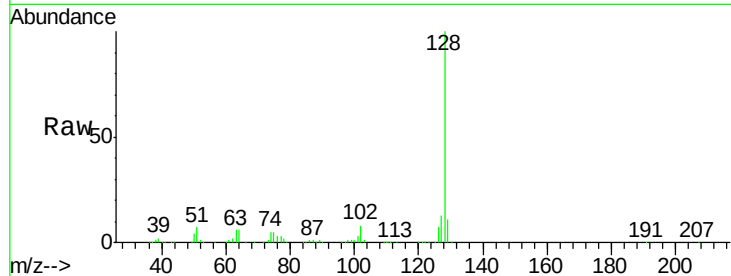
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	336344
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/7/2020 4:50:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.118 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001524.D

Acq: 06 Feb 2020 11:44

Tgt Ion:	180	Resp:	126668
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.2
145	33.8	17.8	53.5

