

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001497.D
 Acq On : 04 Feb 2020 19:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:24:09 PM

Quant Time: Feb 05 06:03:54 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	233458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	412177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	367867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	172683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	131860	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
35) Dibromofluoromethane	7.75	113	124393	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.19	98	485182	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.49	95	182947	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	119813	52.429	ug/l	97
3) Chloromethane	2.13	50	126305	52.881	ug/l	99
4) Vinyl Chloride	2.26	62	130504	52.621	ug/l	98
5) Bromomethane	2.66	94	84209	53.990	ug/l	97
6) Chloroethane	2.81	64	79440	53.140	ug/l	98
7) Trichlorofluoromethane	3.15	101	214251	52.191	ug/l	97
8) Diethyl Ether	3.55	74	78360	56.565	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	130512	52.839	ug/l	100
10) Methyl Iodide	4.11	142	168615	53.575	ug/l	99
11) Tert butyl alcohol	4.99	59	79845	310.212	ug/l	99
12) 1,1-Dichloroethene	3.90	96	128766	52.461	ug/l	98
13) Acrolein	3.75	56	64049	287.766	ug/l	98
14) Allyl chloride	4.51	41	201951	53.784	ug/l	99
15) Acrylonitrile	5.20	53	191349	301.303	ug/l	99
16) Acetone	3.97	43	203480	299.265	ug/l	98
17) Carbon Disulfide	4.22	76	413595	52.932	ug/l	99
18) Methyl Acetate	4.50	43	86164	59.384	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	376787	57.723	ug/l	97
20) Methylene Chloride	4.75	84	147694	56.047	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	145522	53.332	ug/l	98
22) Diisopropyl ether	6.15	45	413594	55.597	ug/l	99
23) Vinyl Acetate	6.09	43	1341586	283.293	ug/l	98
24) 1,1-Dichloroethane	6.05	63	242546	54.205	ug/l	99
25) 2-Butanone	7.02	43	273622	310.192	ug/l	98
26) 2,2-Dichloropropane	7.01	77	214184	50.014	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	161336	54.134	ug/l	100
28) Bromochloromethane	7.36	49	93637	61.428	ug/l	99
29) Tetrahydrofuran	7.38	42	167463	316.740	ug/l	99
30) Chloroform	7.53	83	248803	54.894	ug/l	99
31) Cyclohexane	7.81	56	232165	50.723	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	220129	53.568	ug/l	98
36) 1,1-Dichloropropene	7.94	75	197374	52.345	ug/l	99
37) Ethyl Acetate	7.10	43	112158	61.445	ug/l	98
38) Carbon Tetrachloride	7.92	117	190599	52.246	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	257599	51.884	ug/l	98
40) Benzene	8.18	78	573510	53.325	ug/l	100
41) Methacrylonitrile	7.34	41	53551m	63.300	ug/l	
42) 1,2-Dichloroethane	8.26	62	165900	55.367	ug/l	100
43) Isopropyl Acetate	8.30	43	218700	60.513	ug/l	98
44) Trichloroethene	8.96	130	152070	52.456	ug/l	98
45) 1,2-Dichloropropane	9.23	63	140999	54.291	ug/l	99
46) Dibromomethane	9.32	93	81356	55.787	ug/l	99
47) Bromodichloromethane	9.51	83	195792	55.102	ug/l	98
48) Methyl methacrylate	9.31	41	97455	59.412	ug/l	100
49) 1,4-Dioxane	9.31	88	24108	1251.748	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	550448	309.268	ug/l	99
52) Toluene	10.25	92	358832	52.583	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	214172	55.339	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	241989	54.464	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	117990	56.391	ug/l	100
56) Ethyl methacrylate	10.52	69	176579	59.334	ug/l	99
57) 1,3-Dichloropropane	10.80	76	203808	55.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	313926	286.744	ug/l	99
59) 2-Hexanone	10.84	43	412134	318.471	ug/l	99
60) Dibromochloromethane	10.99	129	138783	56.271	ug/l	99
61) 1,2-Dibromoethane	11.10	107	117051	56.798	ug/l	99
64) Tetrachloroethene	10.73	164	142010	58.864	ug/l	98
65) Chlorobenzene	11.52	112	380348	52.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	132919	52.579	ug/l	100
67) Ethyl Benzene	11.60	91	693612	51.936	ug/l	99
68) m/p-Xylenes	11.70	106	516765	103.073	ug/l	99
69) o-Xylene	12.03	106	250277	52.945	ug/l	100
70) Styrene	12.05	104	433517	53.032	ug/l	100
71) Bromoform	12.21	173	81530	57.919	ug/l #	98
73) Isopropylbenzene	12.33	105	669262	50.816	ug/l	100
74) N-amyl acetate	12.14	43	207199	60.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	143989	57.544	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	96242m	51.826	ug/l	
77) Bromobenzene	12.61	156	149380	52.411	ug/l	95
78) n-propylbenzene	12.67	91	800756	50.787	ug/l	100
79) 2-Chlorotoluene	12.76	91	464448	51.678	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	570797	51.462	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54742	57.039	ug/l	97
82) 4-Chlorotoluene	12.86	91	484949	51.465	ug/l	100
83) tert-Butylbenzene	13.08	119	471605	50.302	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	563505	51.331	ug/l	100
85) sec-Butylbenzene	13.25	105	673844	51.120	ug/l	100
86) p-Isopropyltoluene	13.38	119	595432	51.260	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	280366	51.328	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	286563	52.367	ug/l	99
89) n-Butylbenzene	13.70	91	595752	51.980	ug/l	100
90) Hexachloroethane	13.96	117	119253	53.488	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	263467	53.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27296	59.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	179373	53.773	ug/l	99
94) Hexachlorobutadiene	15.12	225	87908	51.925	ug/l	98
95) Naphthalene	15.24	128	435978	55.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	159556	54.187	ug/l	99

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

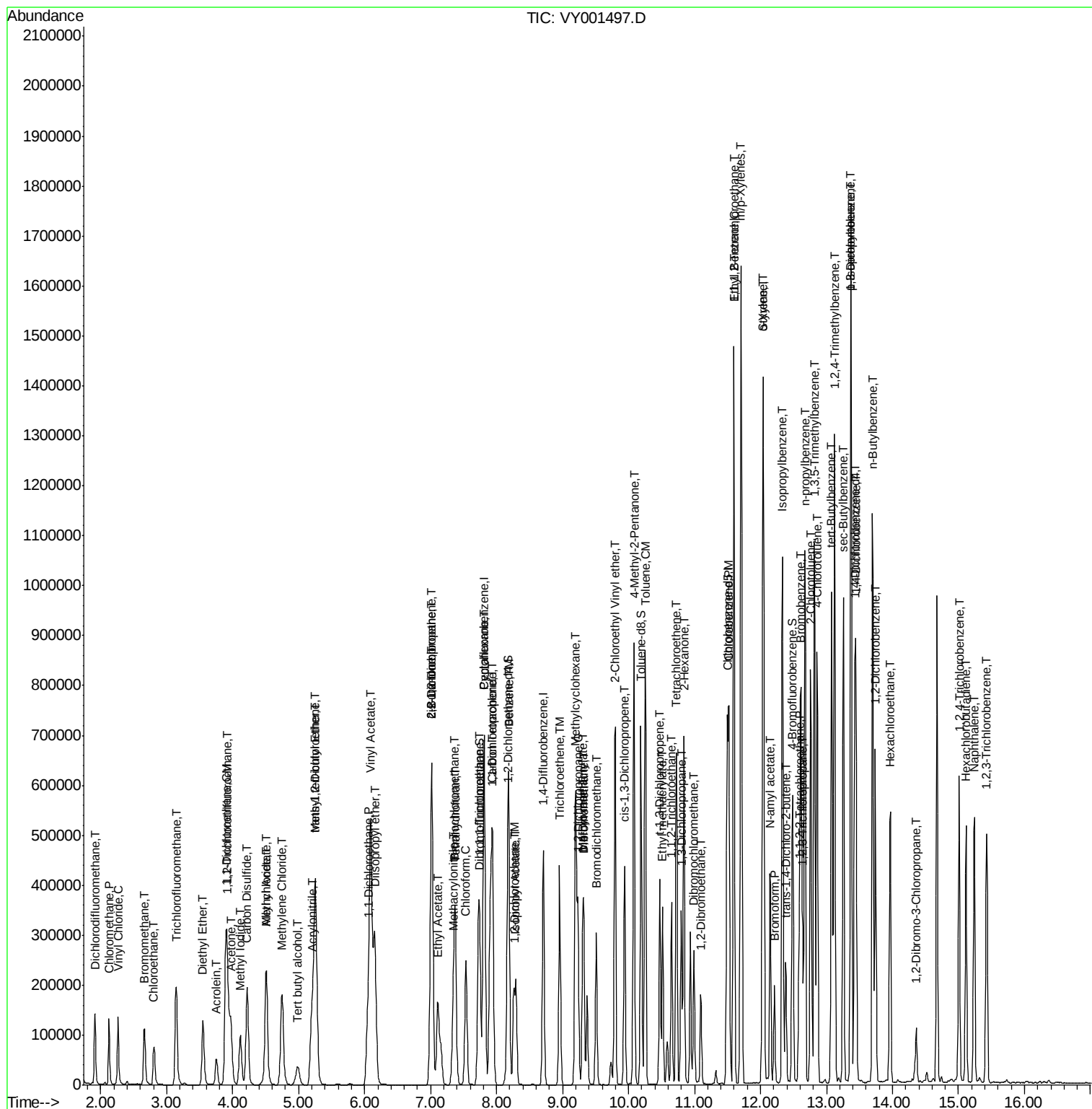
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
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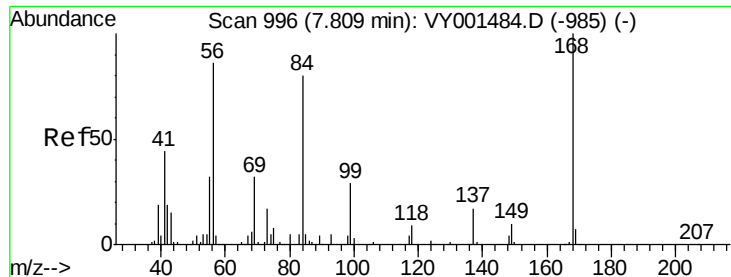
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 233458

Ion Ratio Lower Upper

168 100

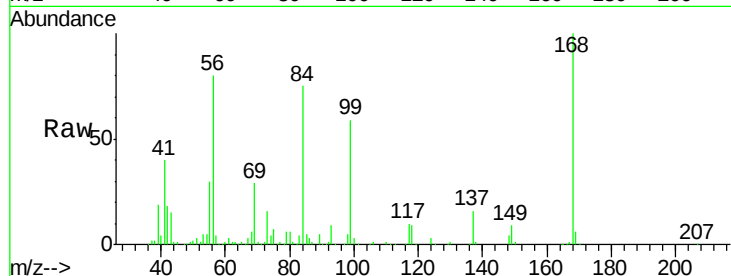
99 59.1 48.2 72.4

Manual Integrations

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

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

7.82

100000

80000

60000

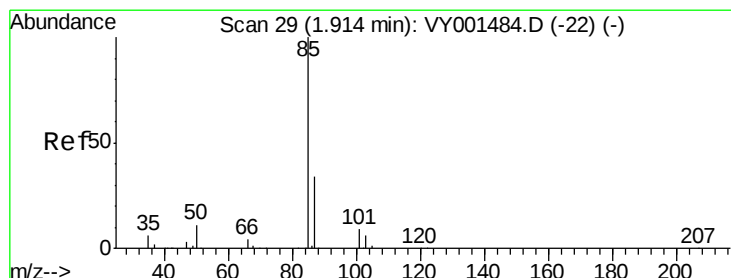
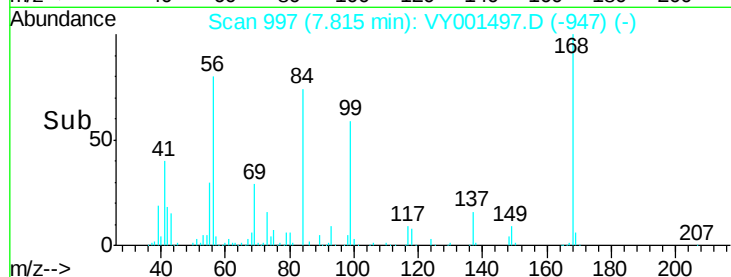
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.429 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001497.D

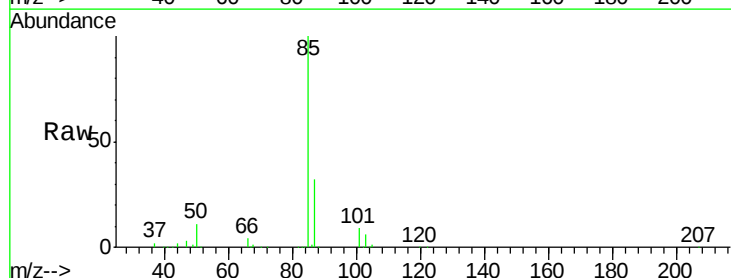
Acq: 04 Feb 2020 19:12

Tgt Ion: 85 Resp: 119813

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



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

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

1.91

80000

60000

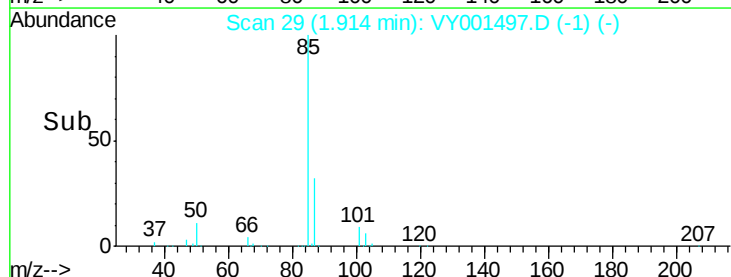
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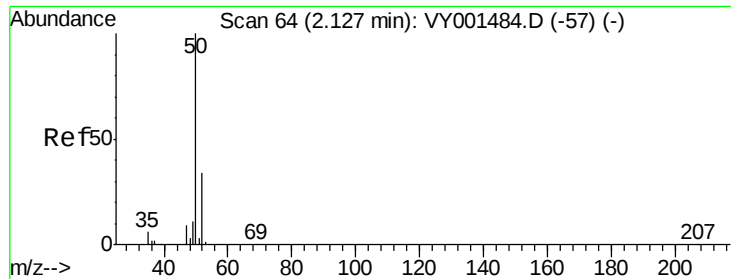
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.881 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 126305

Ion Ratio Lower Upper

50 100

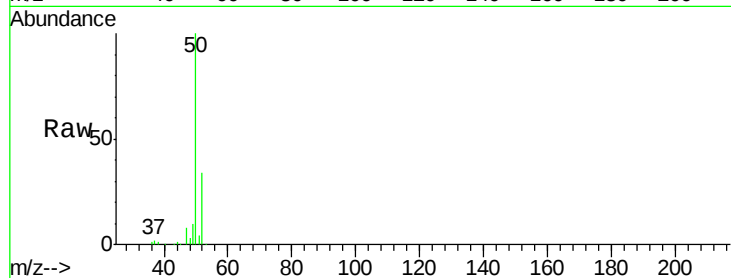
52 33.7 27.3 40.9

Manual Integrations

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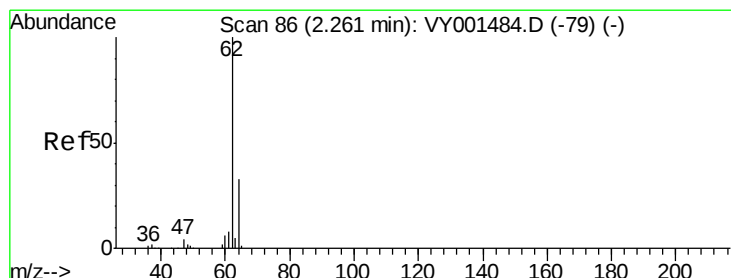
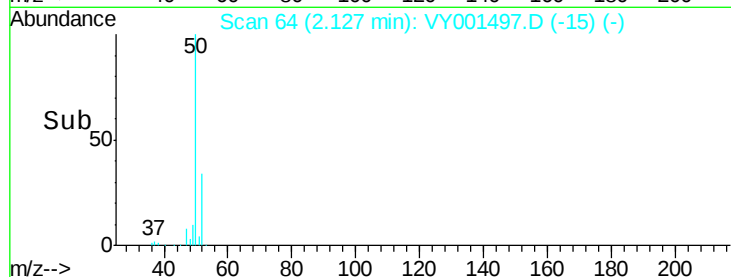
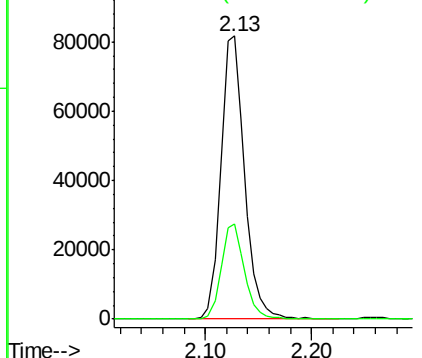
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.621 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001497.D

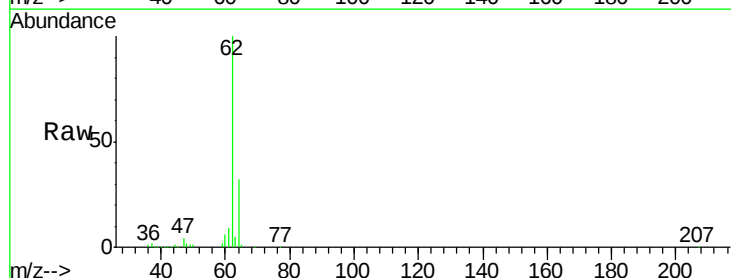
Acq: 04 Feb 2020 19:12

Tgt Ion: 62 Resp: 130504

Ion Ratio Lower Upper

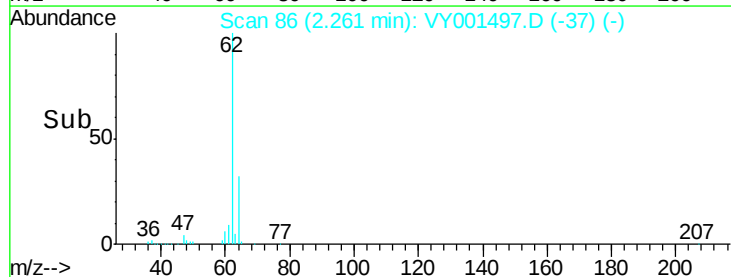
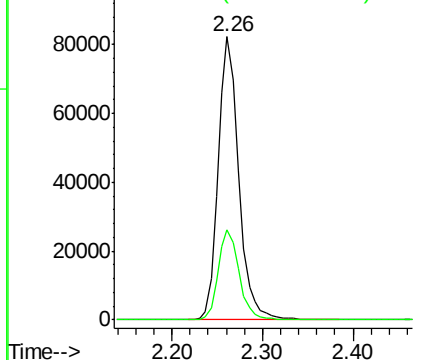
62 100

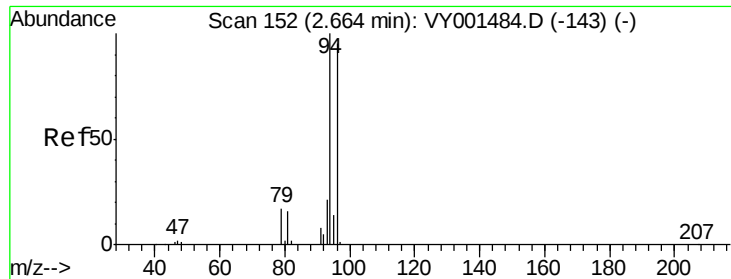
64 31.8 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 53.990 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 84209

Ion Ratio Lower Upper

94 100

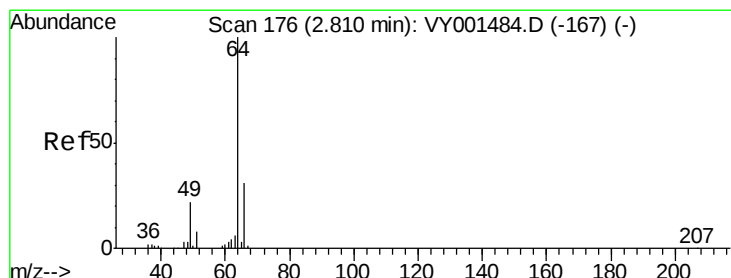
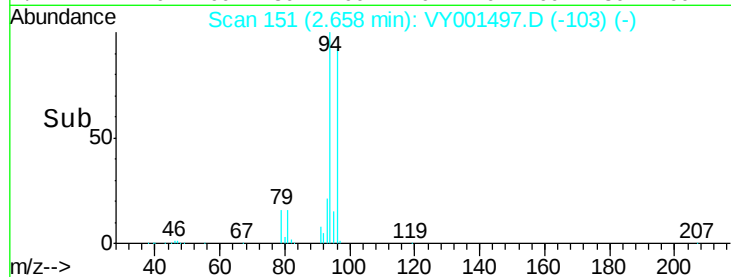
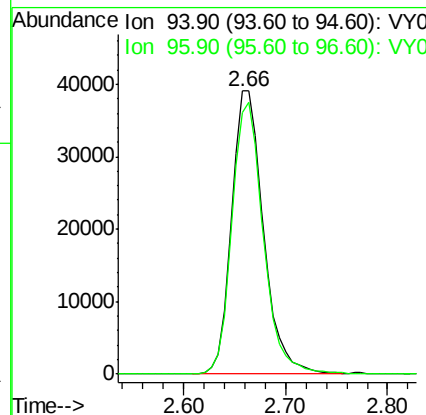
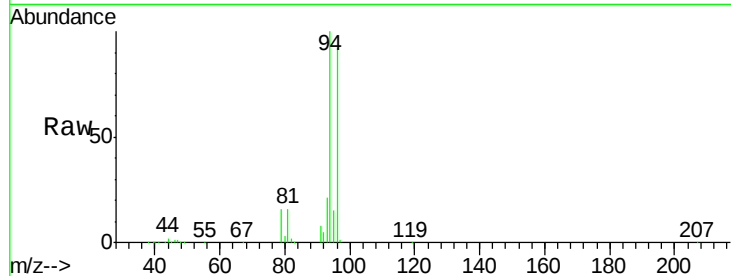
96 92.2 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 53.140 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001497.D

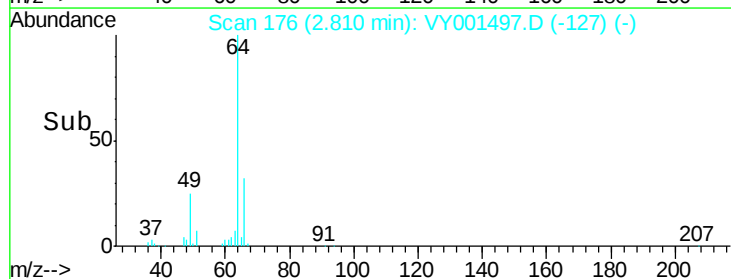
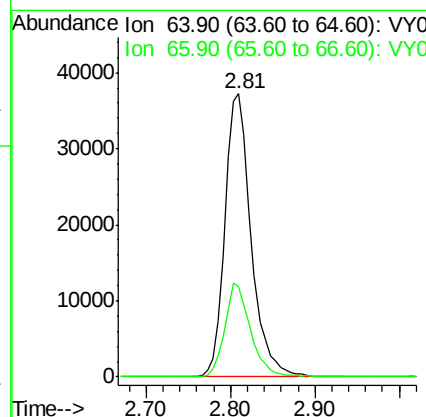
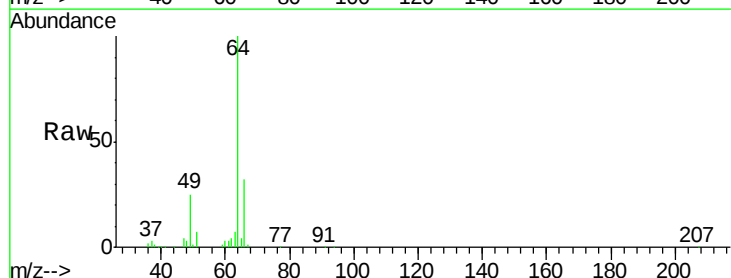
Acq: 04 Feb 2020 19:12

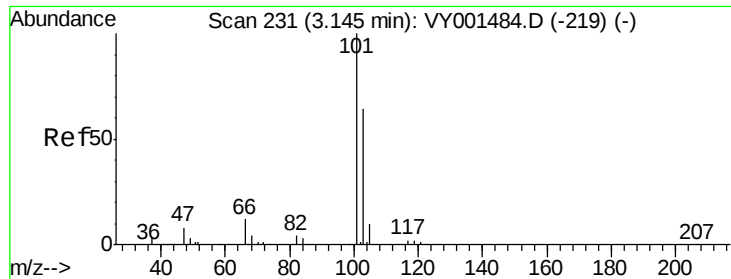
Tgt Ion: 64 Resp: 79440

Ion Ratio Lower Upper

64 100

66 31.6 24.5 36.7





#7

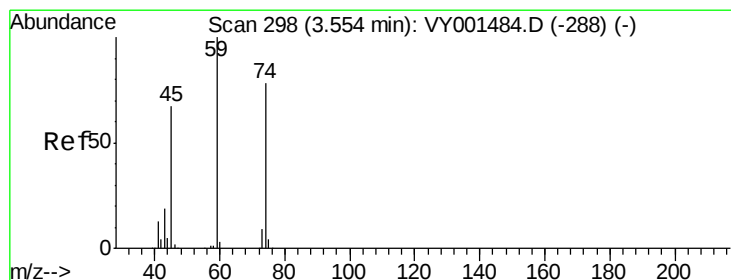
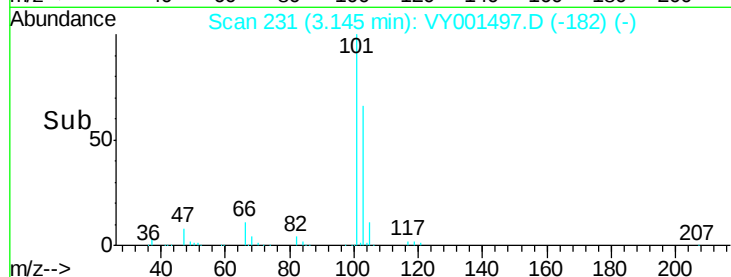
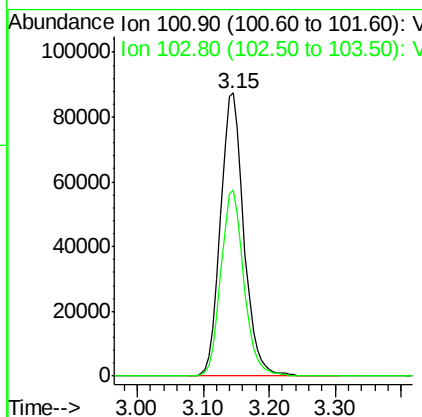
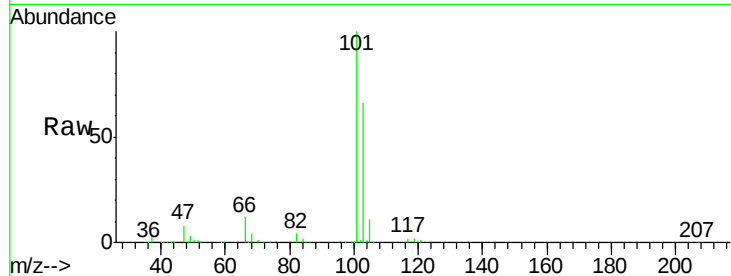
Trichlorofluoromethane
 Concen: 52.191 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.9	76.3

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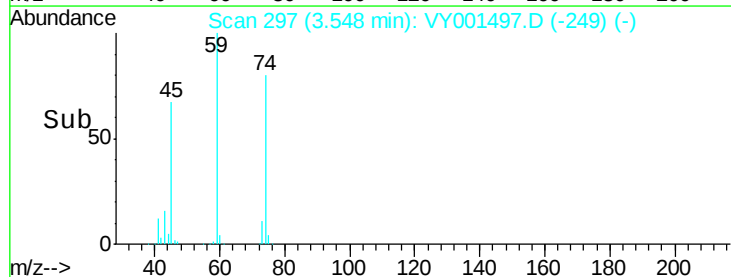
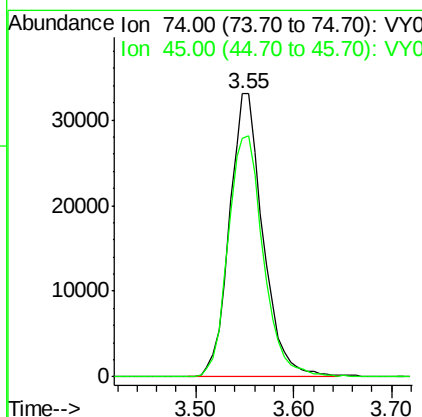
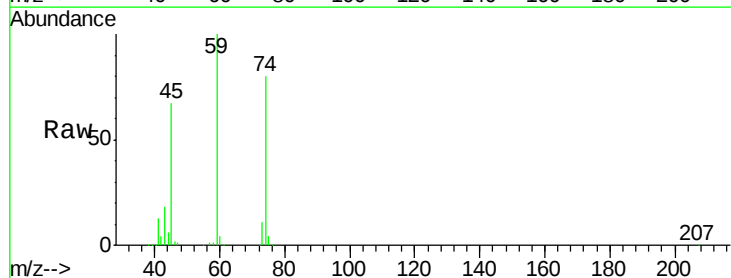
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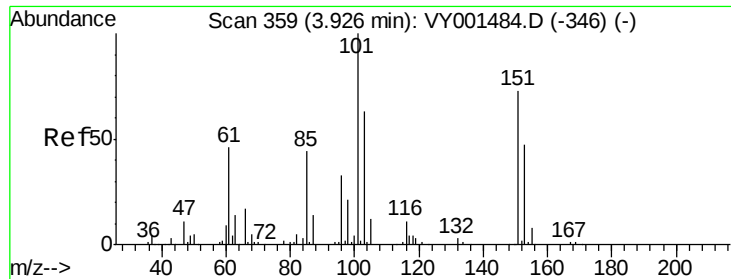


#8

Diethyl Ether
 Concen: 56.565 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001497.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.839 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

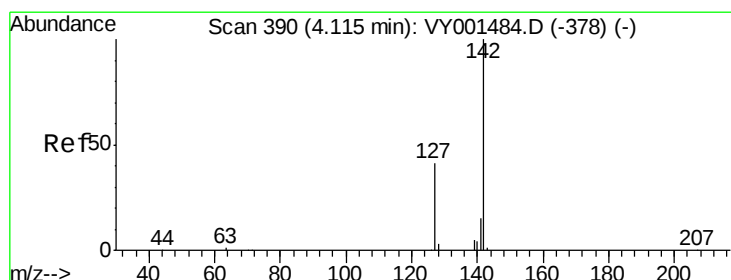
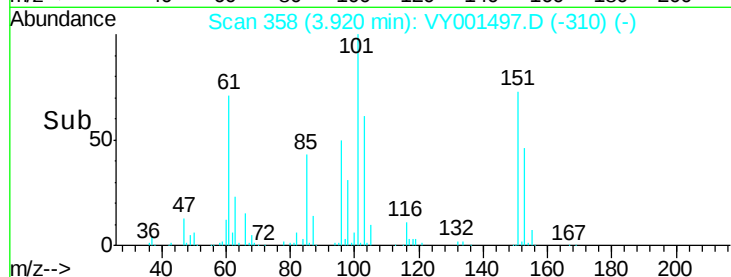
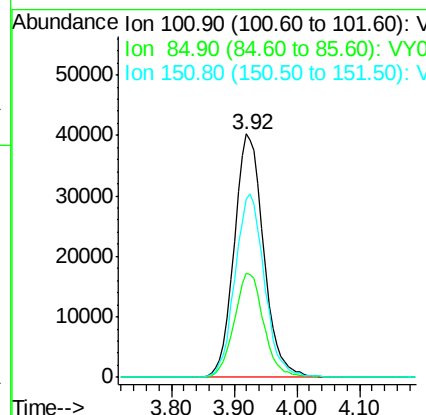
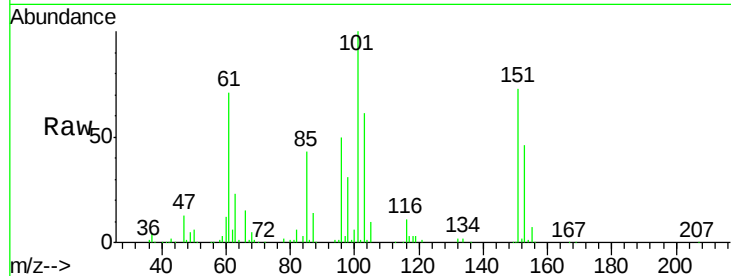
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	130512
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.6	51.8
151	75.3	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.575 ug/l

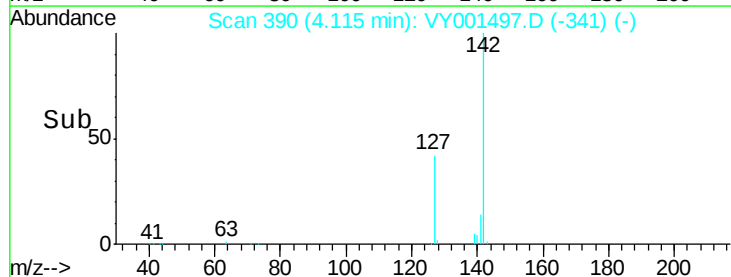
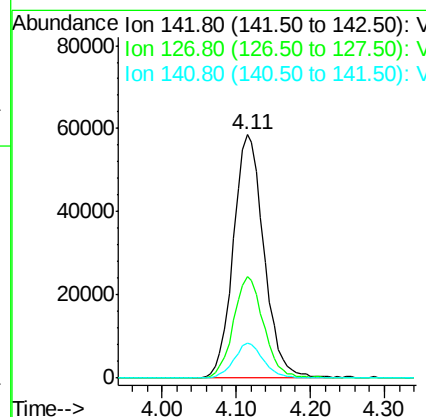
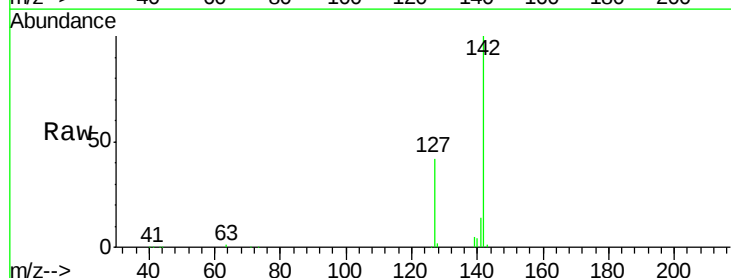
RT: 4.11 min Scan# 390

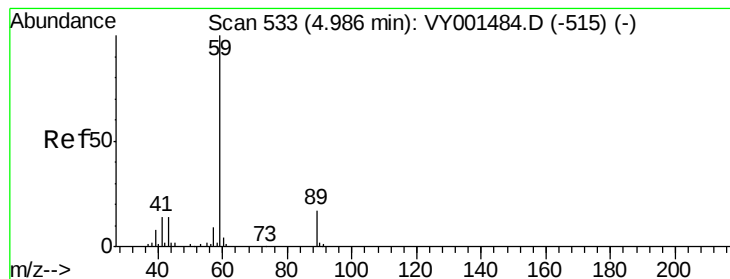
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	142	Resp:	168615
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.3	49.9
141	13.9	11.5	17.3





#11

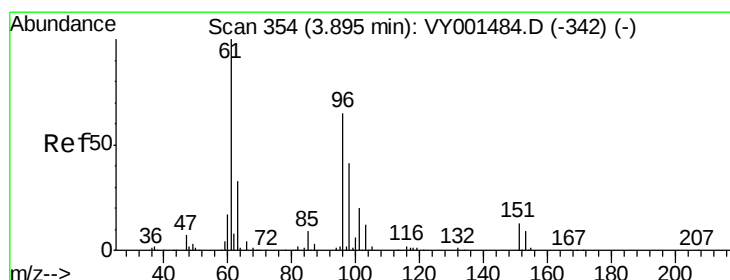
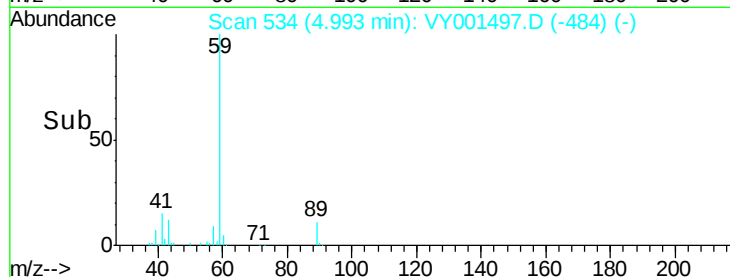
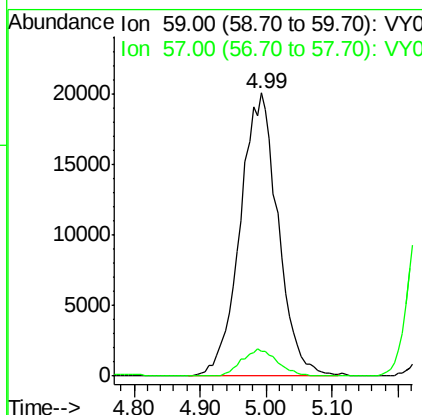
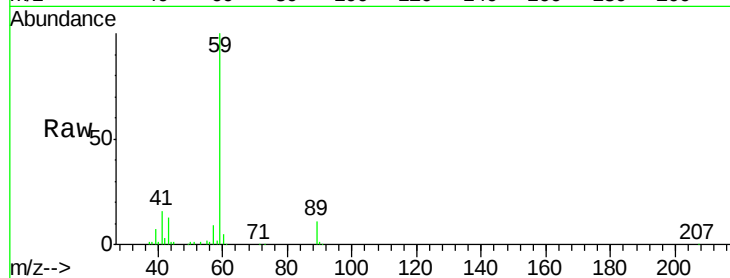
Tert butyl alcohol
Concen: 310.212 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	79845		
57	57	9.1		7.0	10.6

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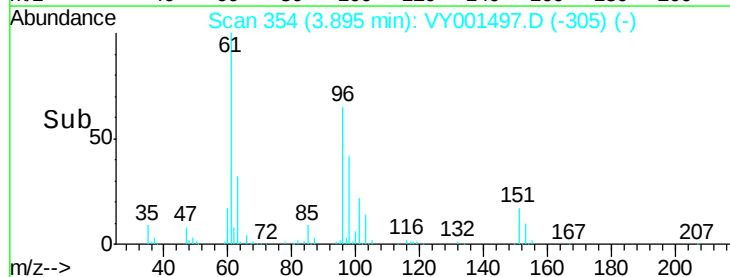
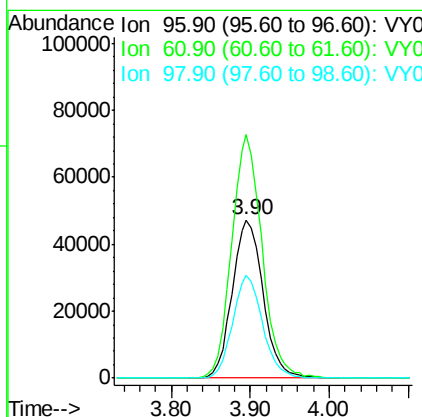
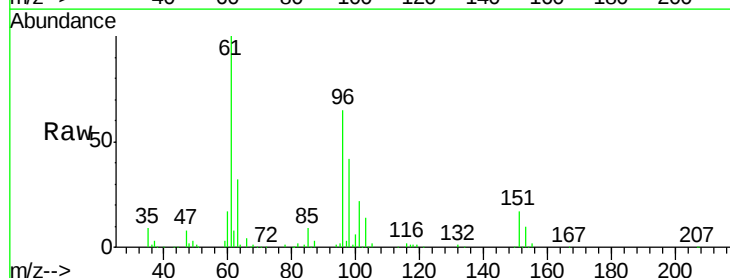
MMDadoda
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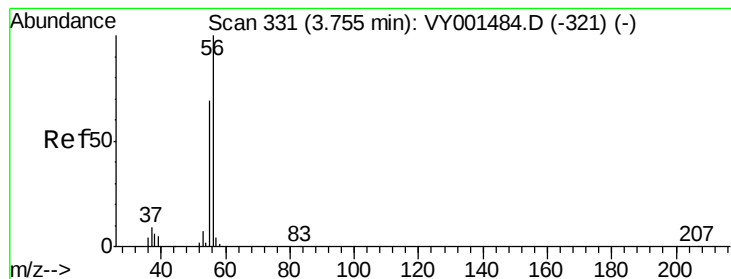


#12

1,1-Dichloroethene
Concen: 52.461 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	128766		
61	61	153.9		122.3	183.5
98	98	64.7		49.7	74.5





#13

Acrolein

Concen: 287.766 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 64049

Ion Ratio Lower Upper

56 100

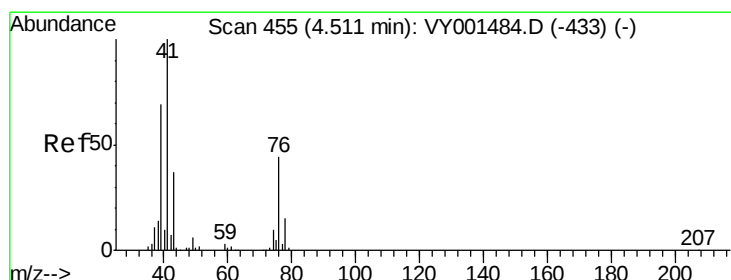
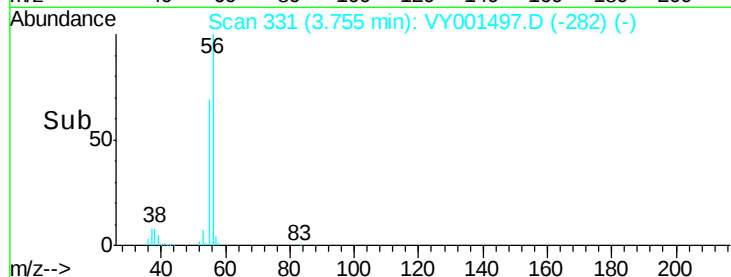
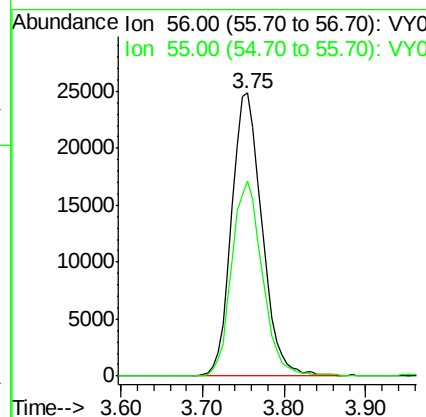
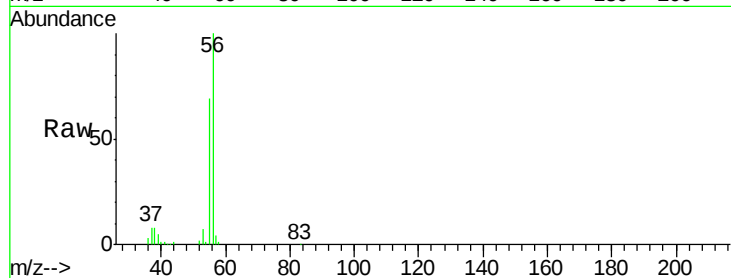
55 69.0 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 53.784 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

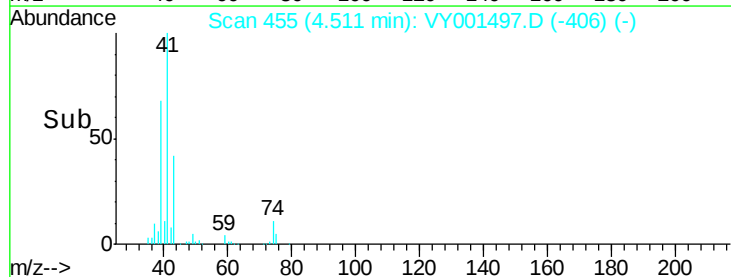
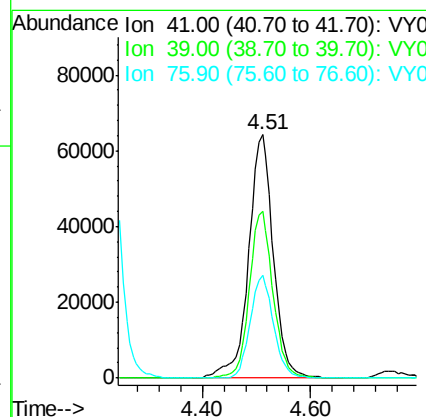
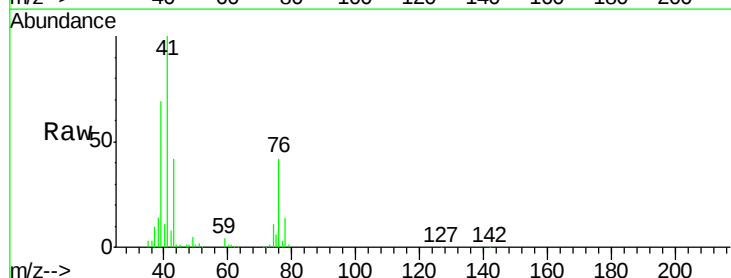
Tgt Ion: 41 Resp: 201951

Ion Ratio Lower Upper

41 100

39 65.8 53.0 79.6

76 39.7 32.6 48.8





#15

Acrylonitrile

Concen: 301.303 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

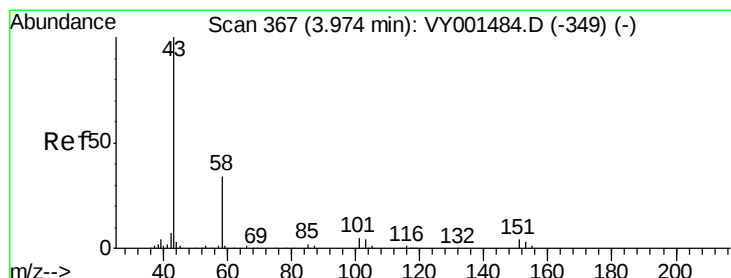
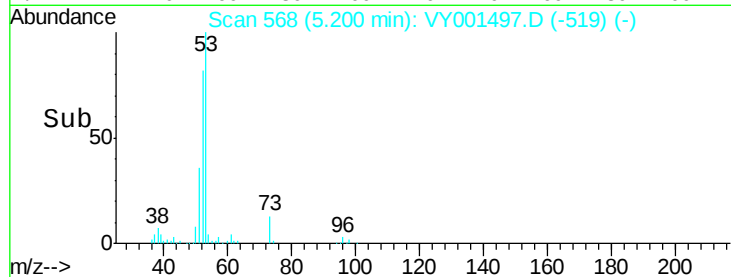
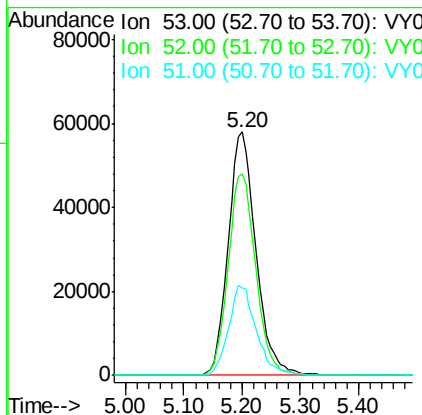
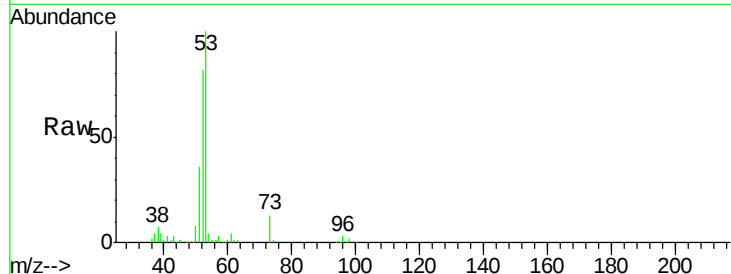
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	191349
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.4	98.2
51	36.9	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 299.265 ug/l

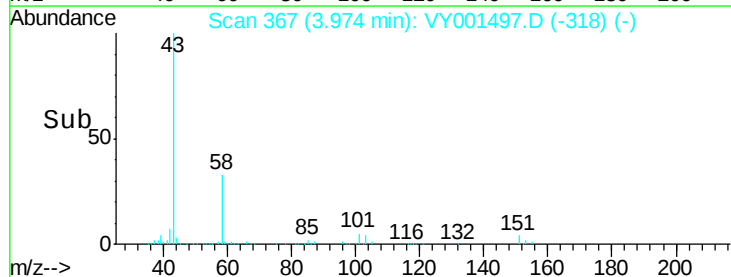
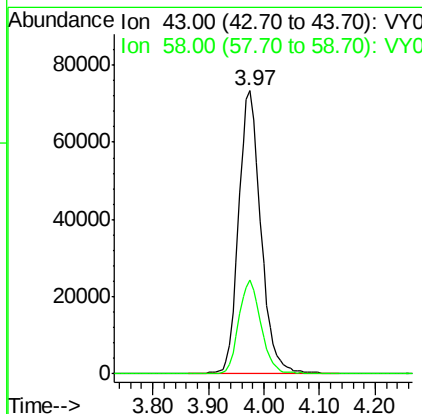
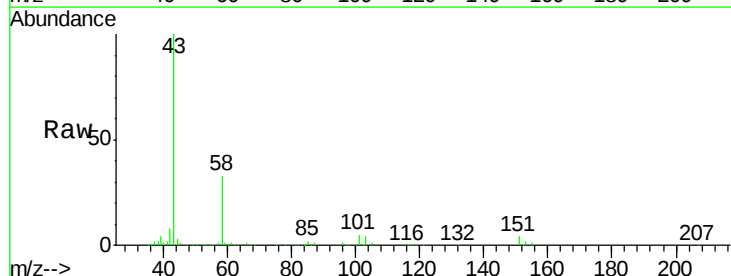
RT: 3.97 min Scan# 367

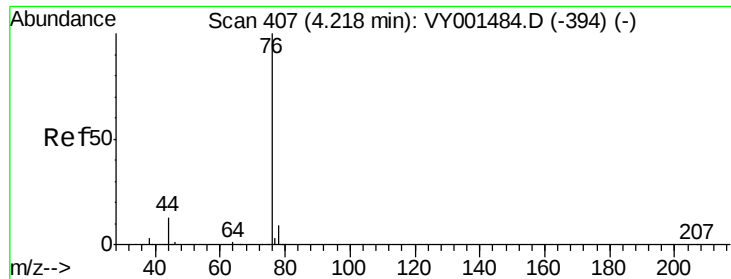
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	43	Resp:	203480
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.5	41.3





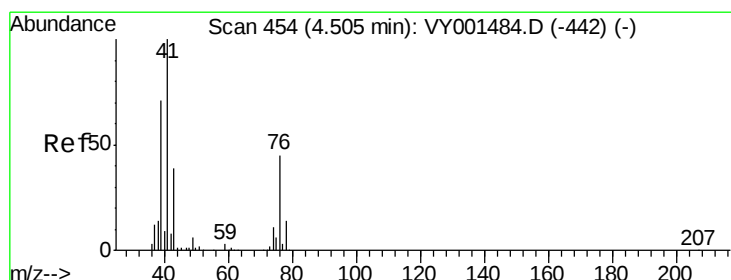
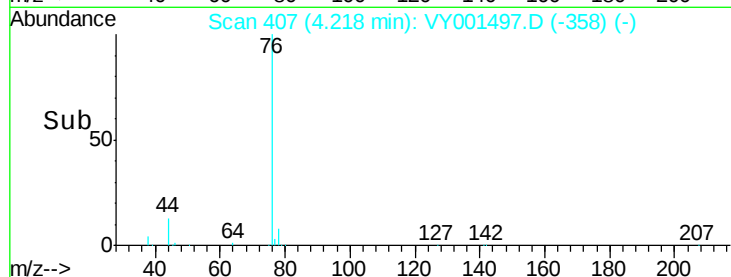
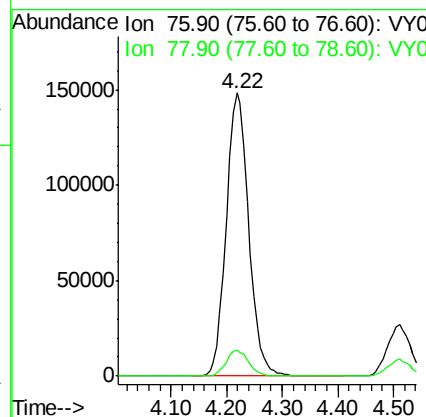
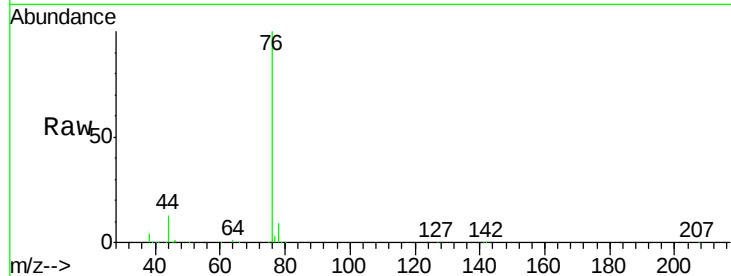
#17
Carbon Disulfide
Concen: 52.932 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

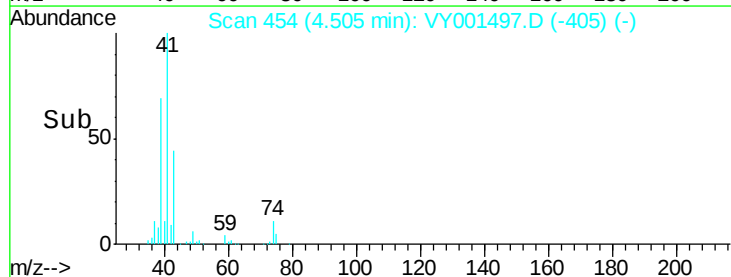
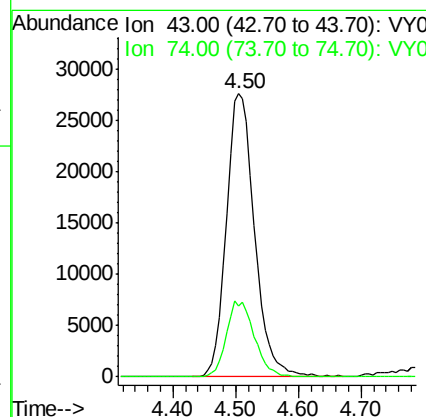
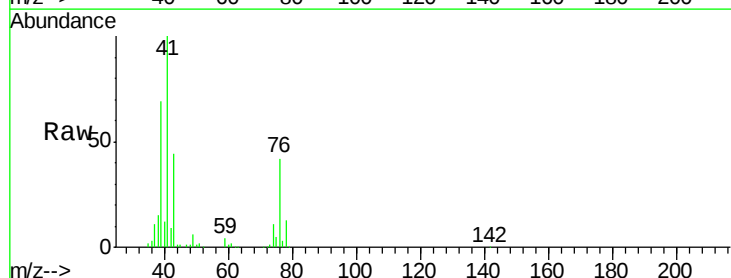
Manual Integrations
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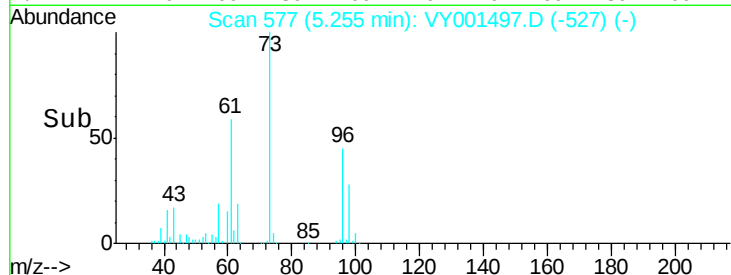
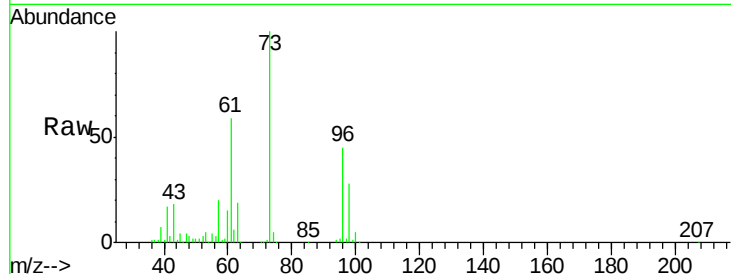
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#18
Methyl Acetate
Concen: 59.384 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.0	31.6





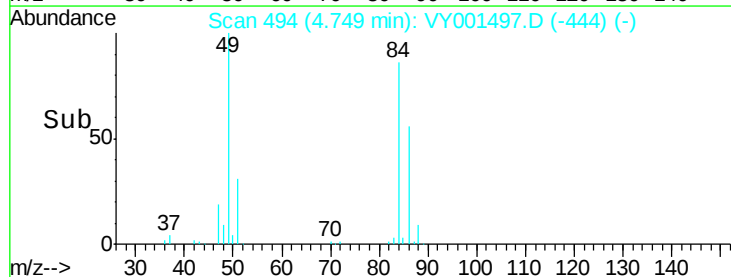
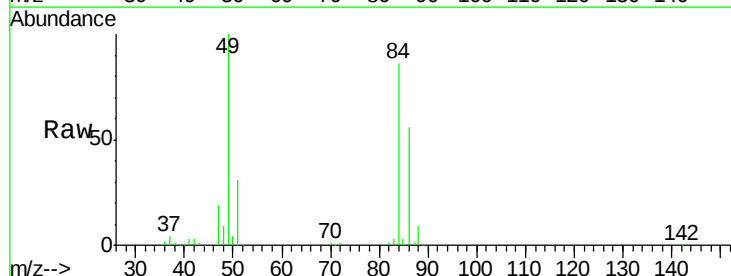
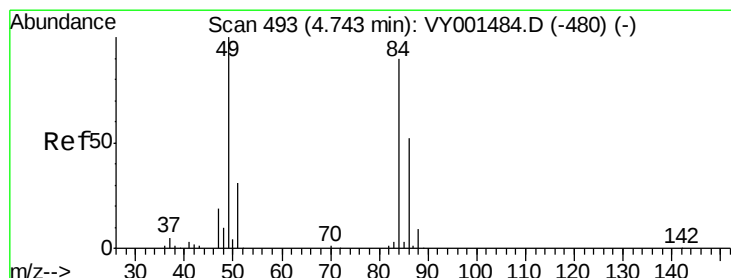
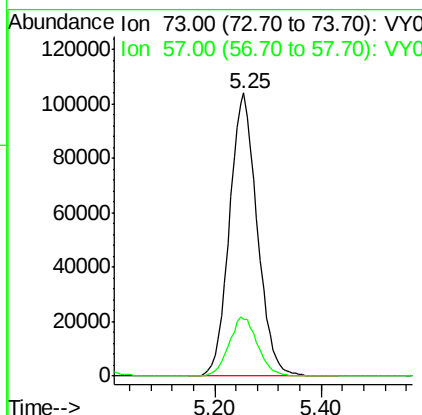
#19
Methvl tert-butvl Ether
Concen: 57.723 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tot Ion: 73 Resp: 376787
Ion Ratio Lower Upper
73 100
57 20.0 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

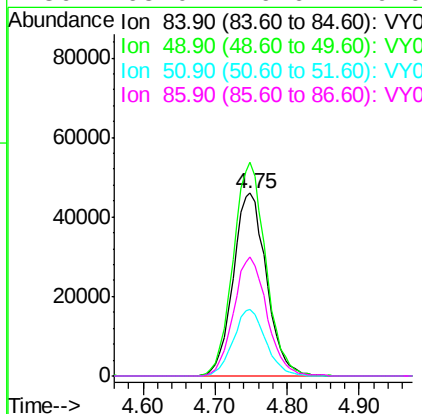
Manual Integrations
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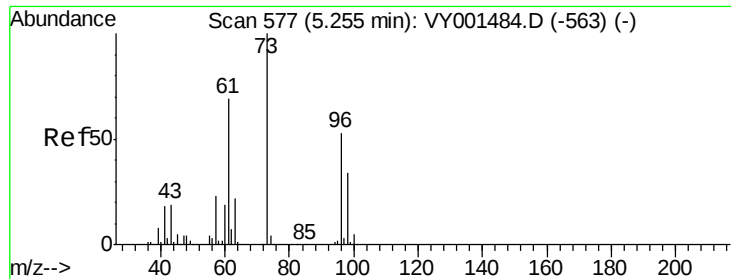
MMDadoda
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#20
Methylene Chloride
Concen: 56.047 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion: 84 Resp: 147694
Ion Ratio Lower Upper
84 100
49 116.6 89.0 133.6
51 36.6 27.4 41.2
86 65.0 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 53.332 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

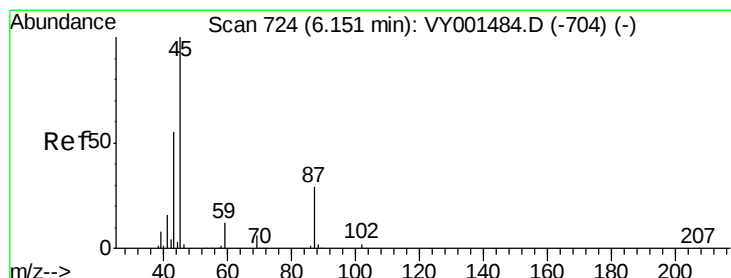
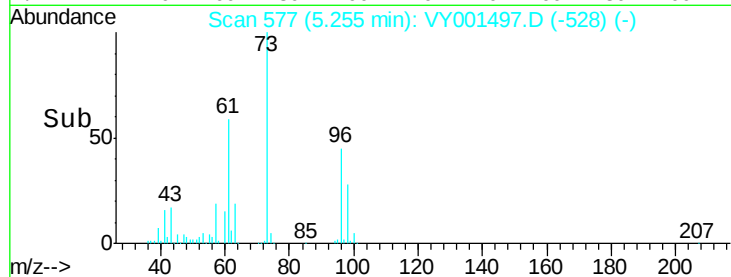
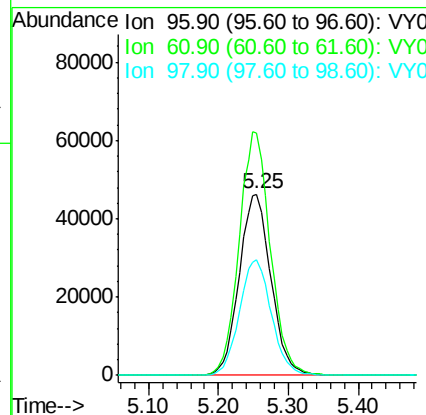
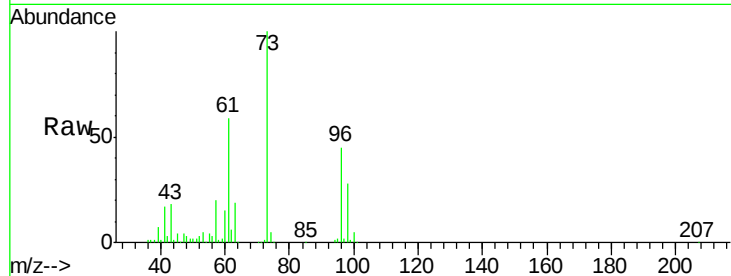
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145522
Ion	Ratio	Lower	Upper
96	100		
61	133.7	104.2	156.4
98	63.5	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.597 ug/l

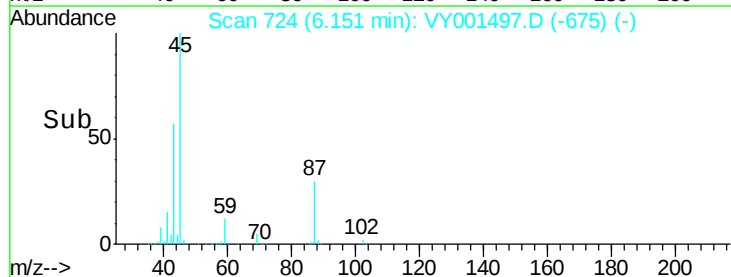
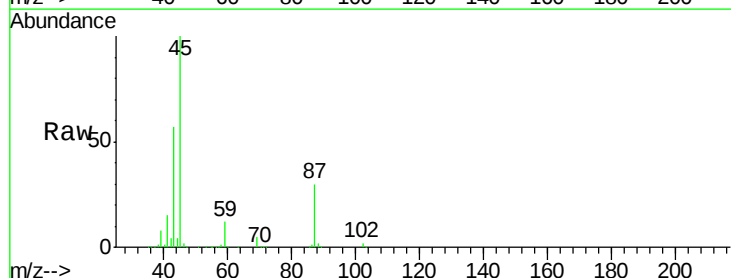
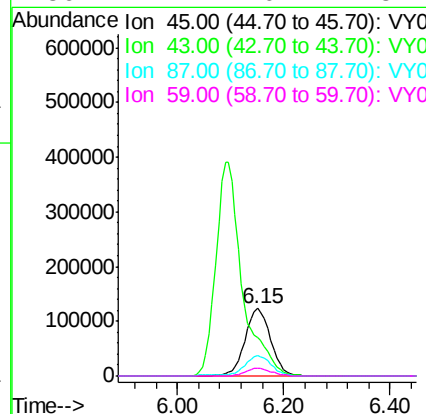
RT: 6.15 min Scan# 724

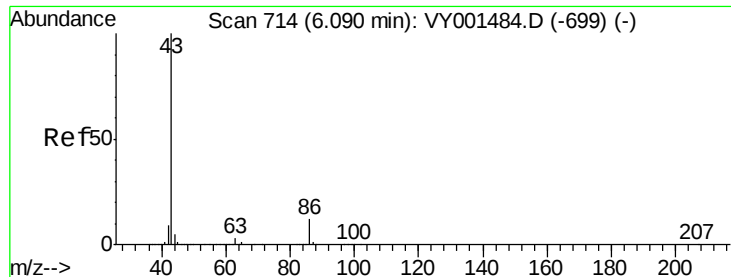
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	45	Resp:	413594
Ion	Ratio	Lower	Upper
45	100		
43	56.6	44.2	66.4
87	30.3	23.9	35.9
59	12.4	10.2	15.2





#23

Vinyl Acetate

Concen: 283.293 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1341586

Ion Ratio Lower Upper

43 100

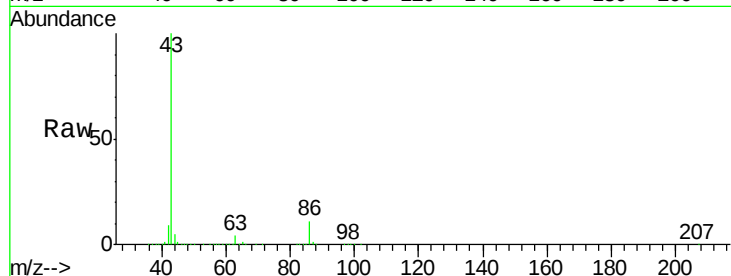
86 11.4 9.8 14.8

Manual Integrations

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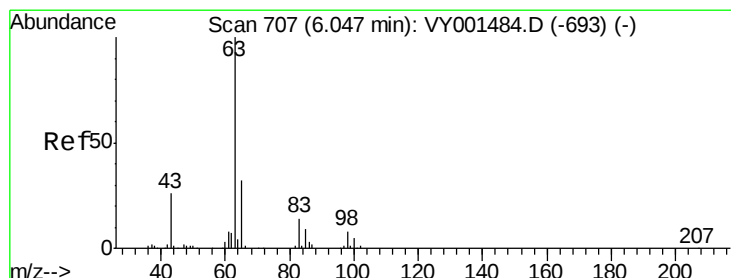
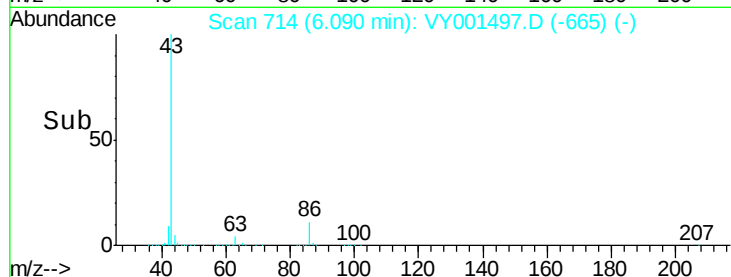
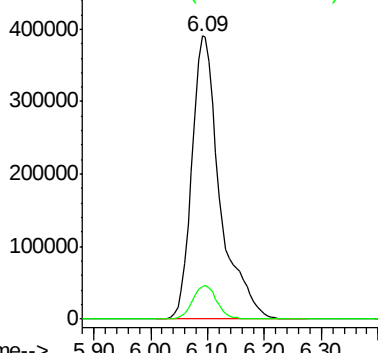
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 54.205 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

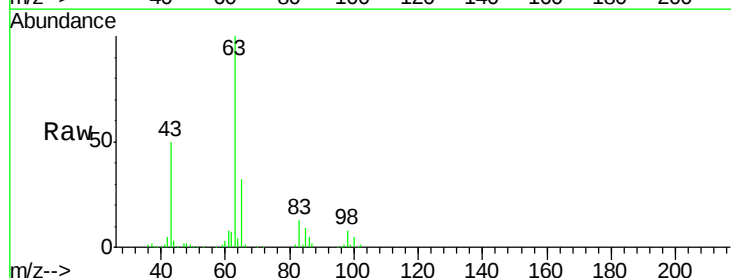
Tgt Ion: 63 Resp: 242546

Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

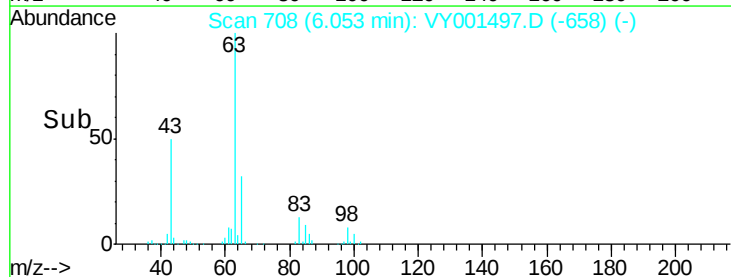
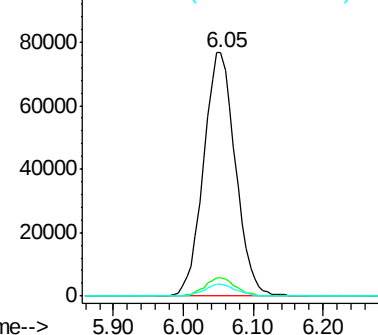
100 4.8 2.6 8.0

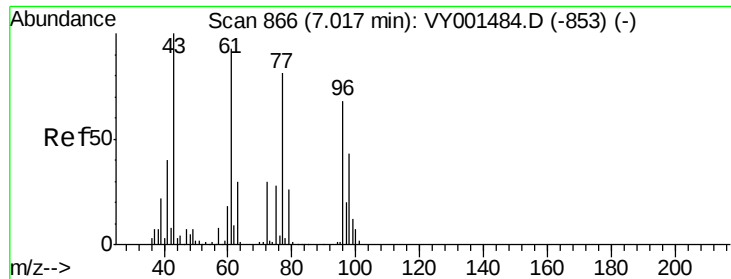


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





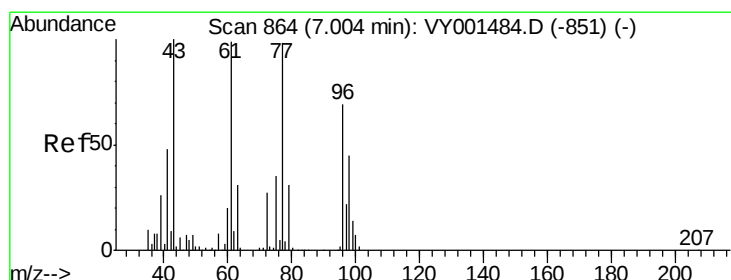
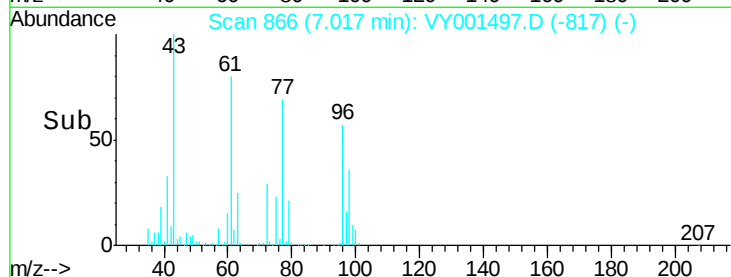
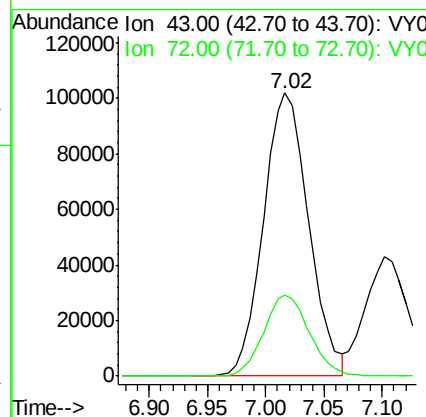
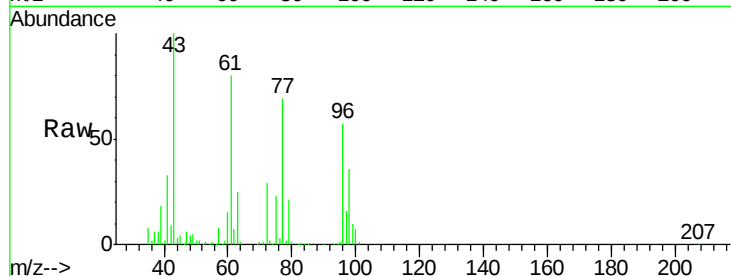
#25
2-Butanone
Concen: 310.192 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 273622
Ion Ratio Lower Upper
43 100
72 28.6 23.8 35.8

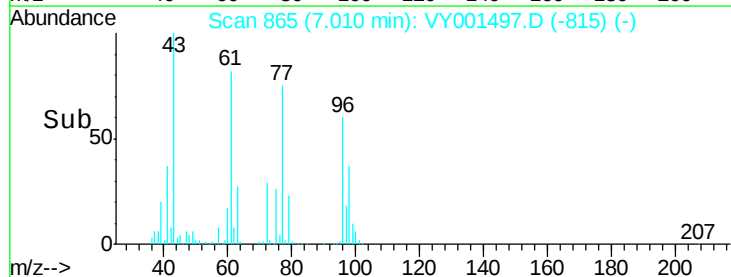
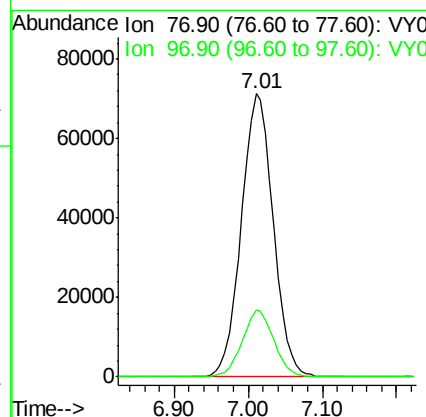
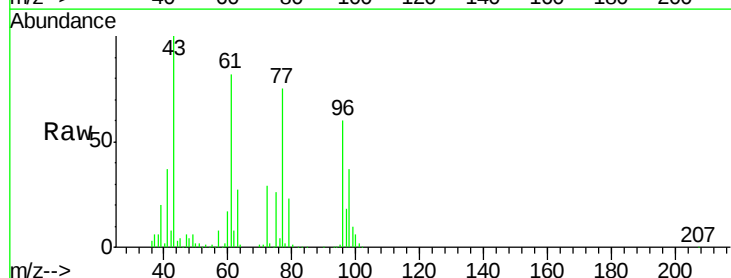
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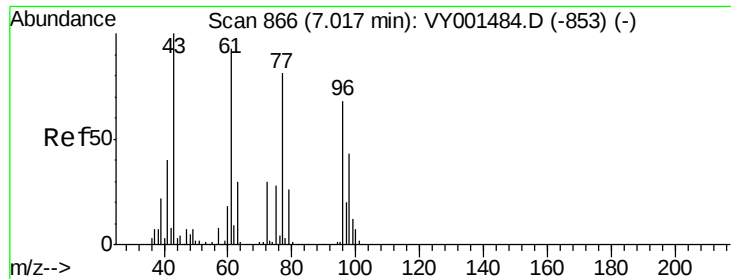
MMDadoda
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#26
2,2-Dichloropropane
Concen: 50.014 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion: 77 Resp: 214184
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.0





#27

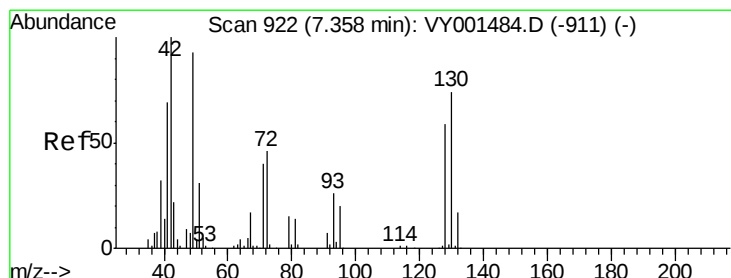
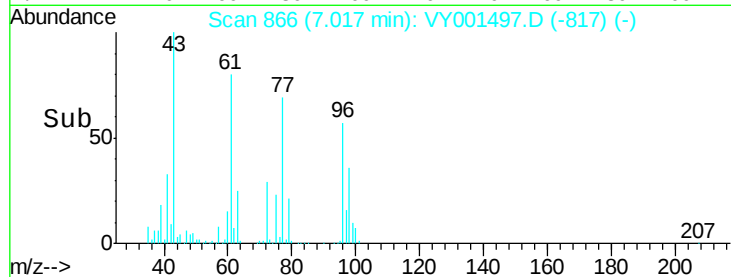
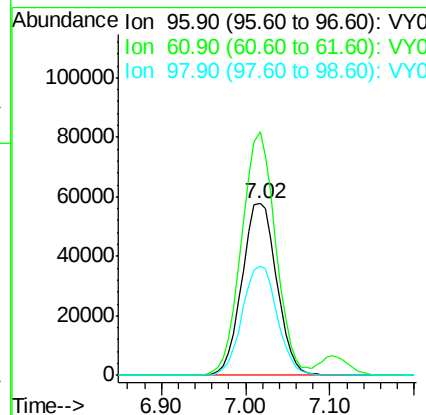
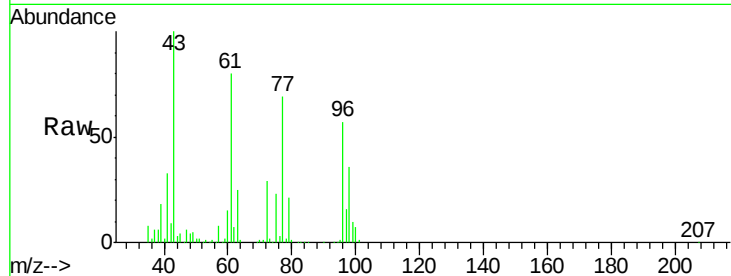
cis-1,2-Dichloroethene
Concen: 54.134 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	278.8
98	64.1	0.0	128.8

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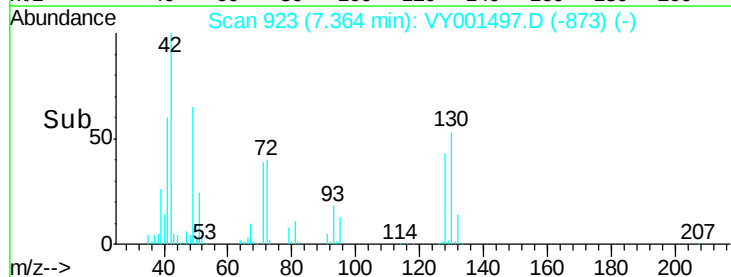
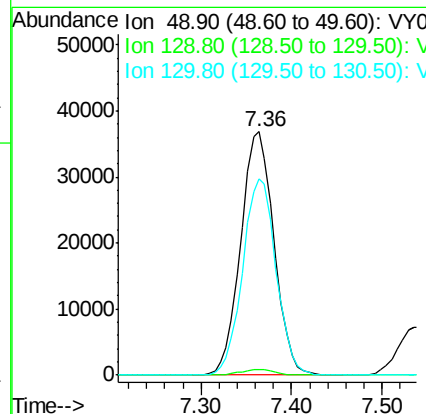
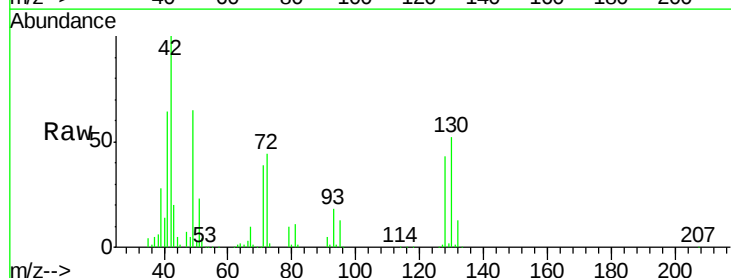
MMDadoda
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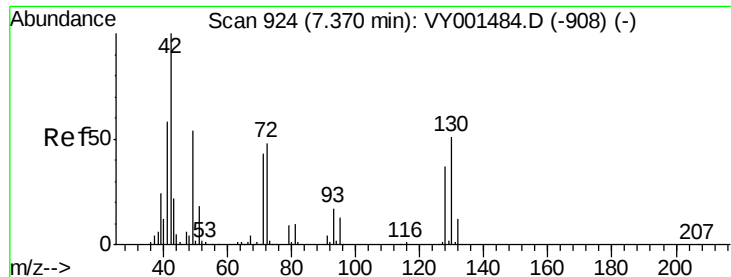


#28

Bromochloromethane
Concen: 61.428 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	80.7	65.4	98.2





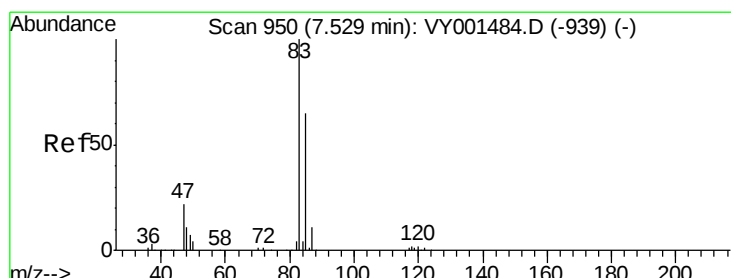
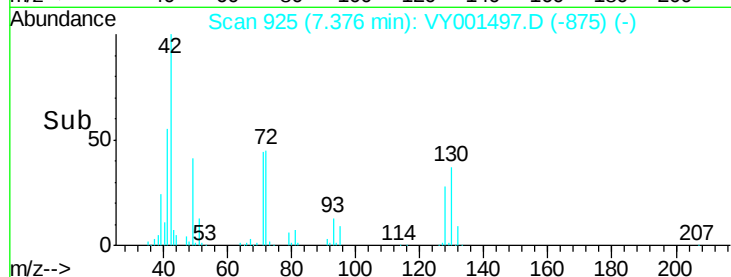
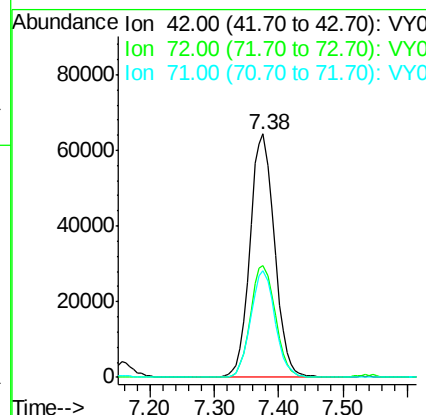
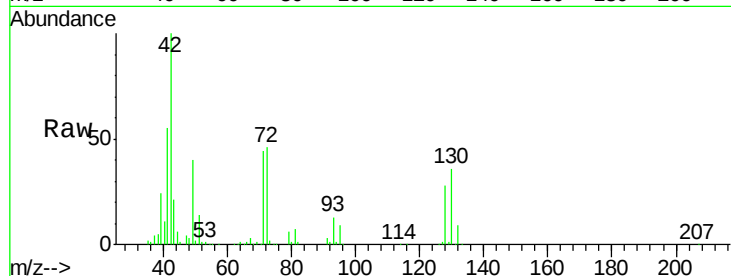
#29
Tetrahydrofuran
Concen: 316.740 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.4	34.8	52.2

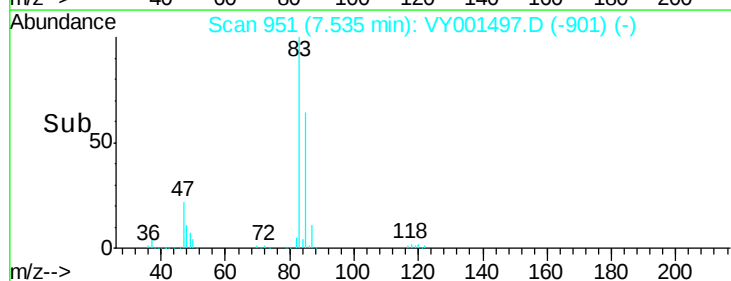
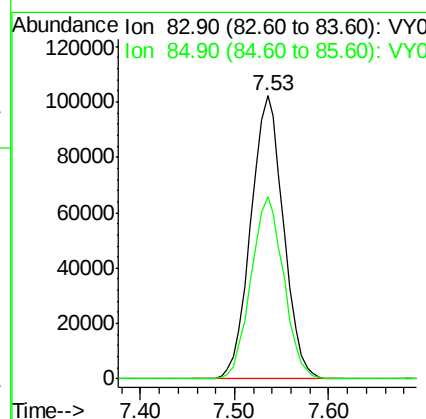
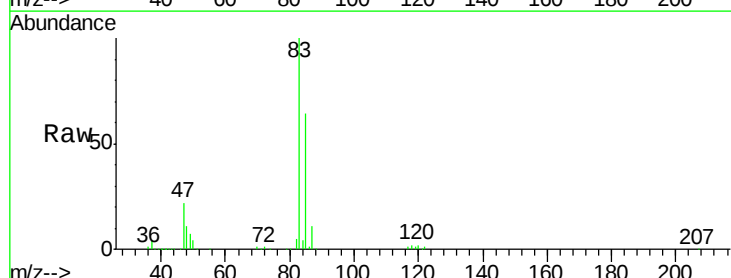
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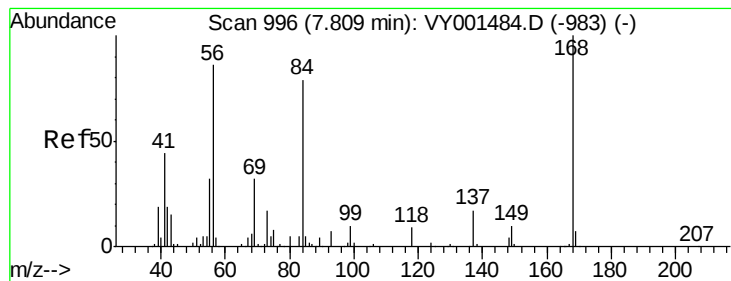
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#30
Chloroform
Concen: 54.894 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6





#31

Cyclohexane

Concen: 50.723 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

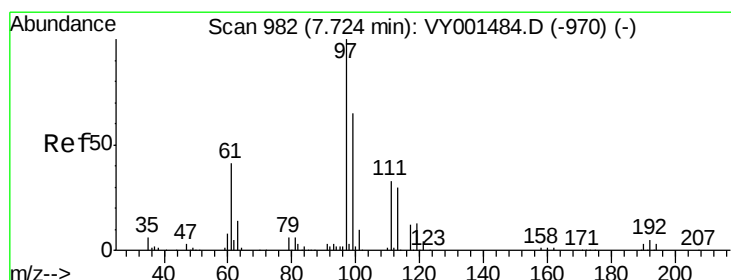
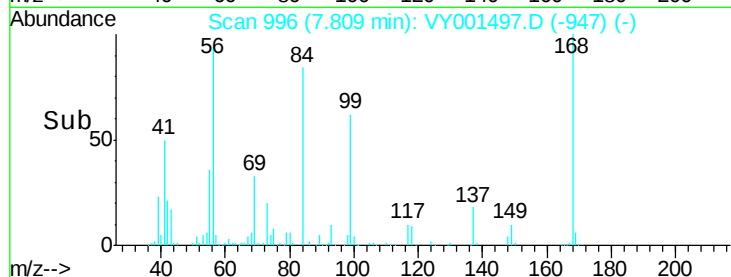
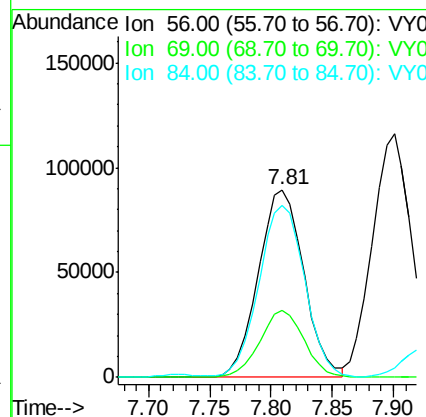
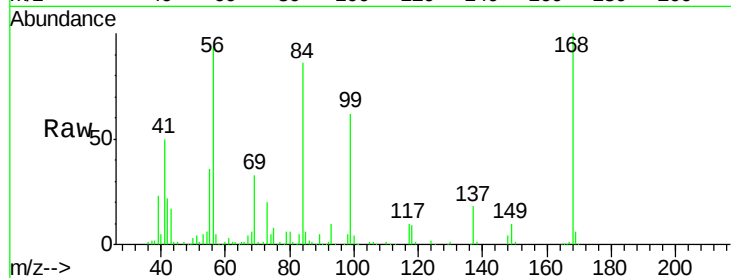
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	232165
Ion Ratio	Lower	Upper	
56	100		
69	35.5	29.6	44.4
84	90.3	73.6	110.4

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#32

1,1,1-Trichloroethane

Concen: 53.568 ug/l

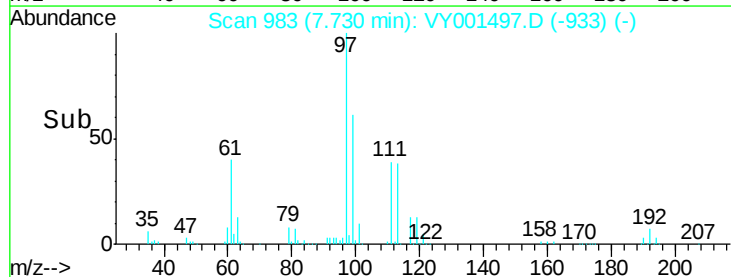
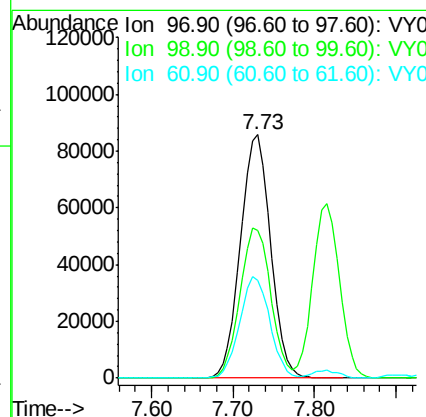
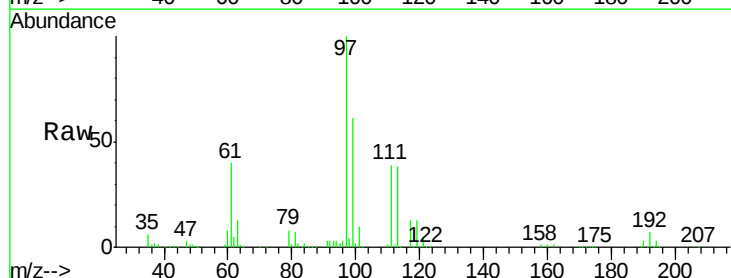
RT: 7.73 min Scan# 983

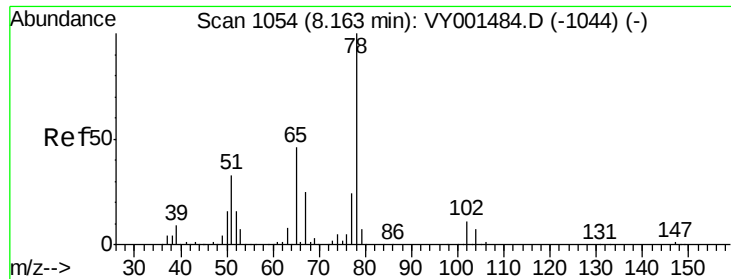
Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	97	Resp:	220129
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.8	77.8
61	41.5	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 56.097 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 131860

Ion Ratio Lower Upper

65 100

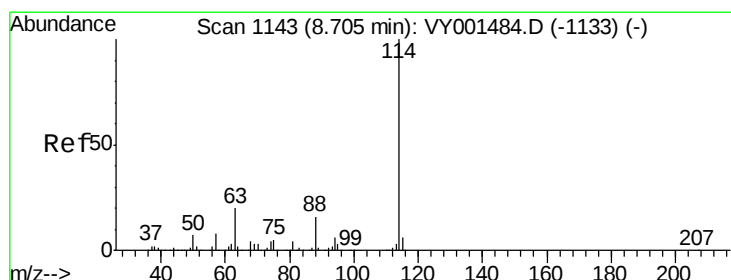
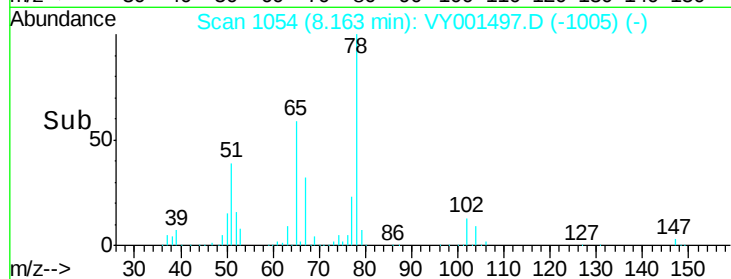
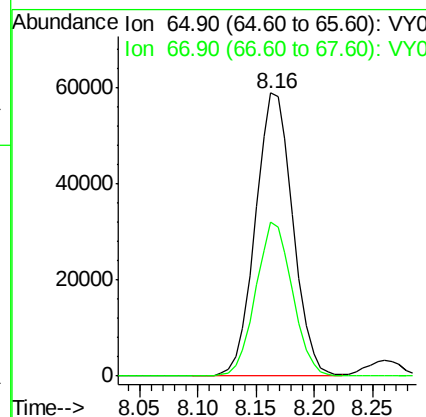
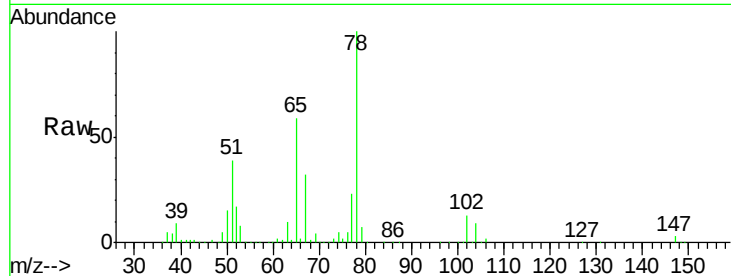
67 53.5 0.0 108.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

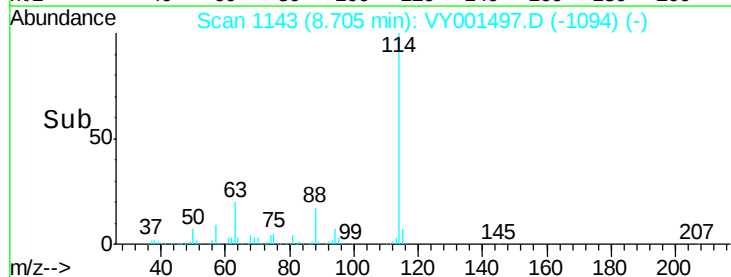
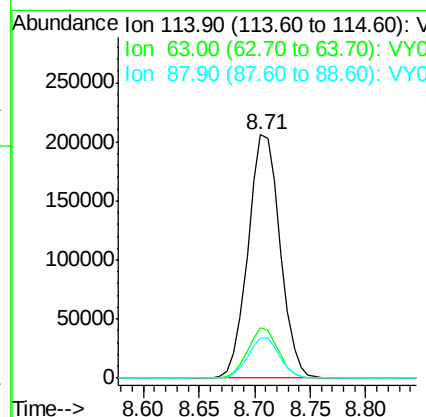
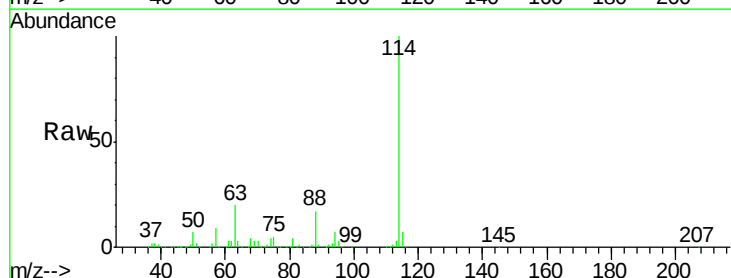
Tgt Ion: 114 Resp: 412177

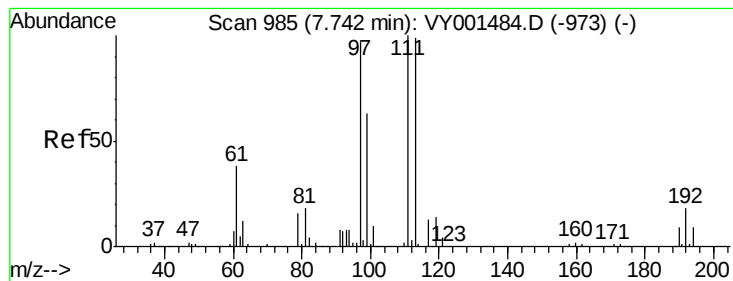
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.336 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

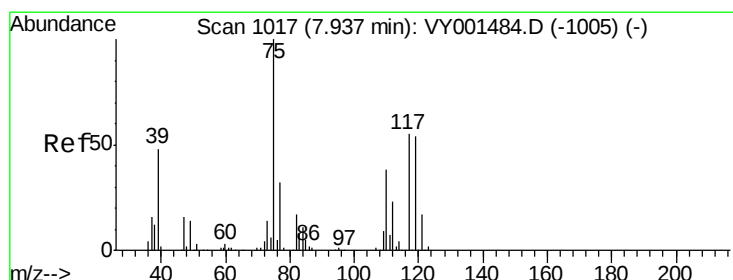
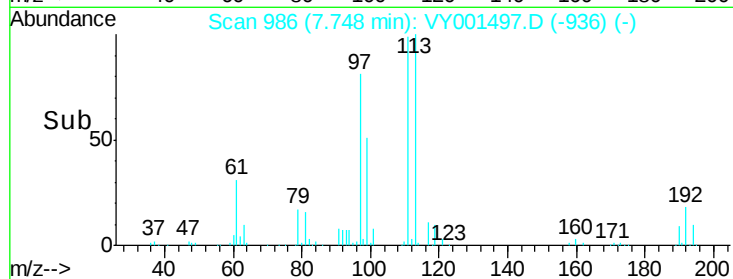
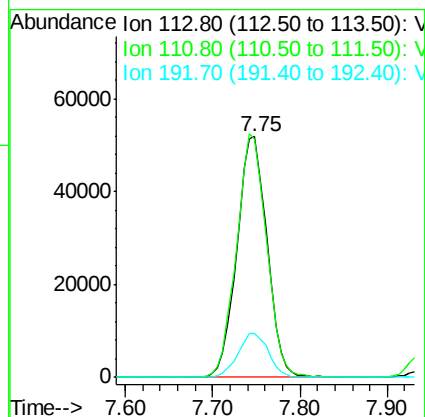
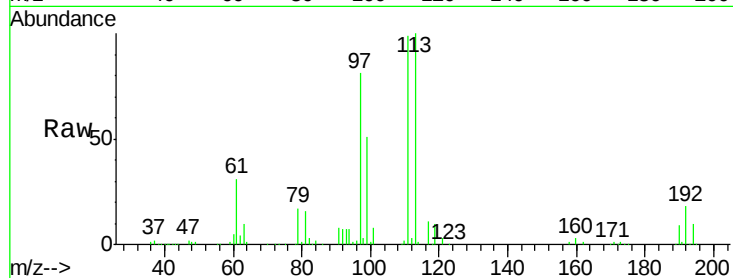
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	124393
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.9	124.3
192	18.4	14.6	22.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.345 ug/l

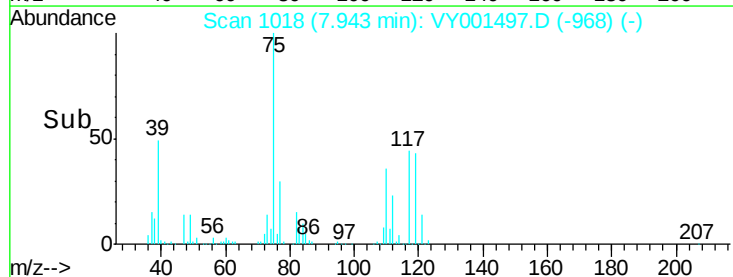
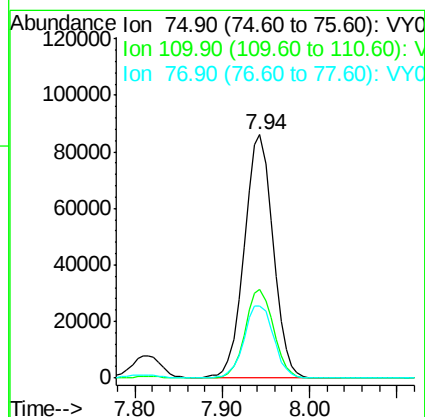
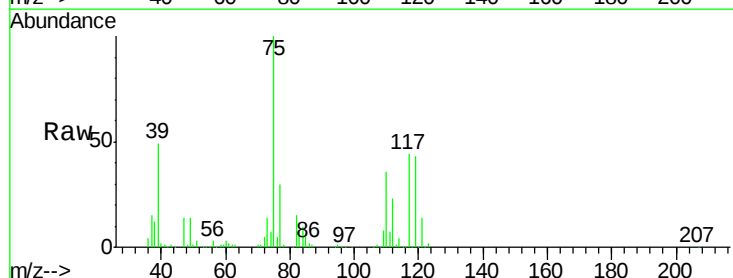
RT: 7.94 min Scan# 1018

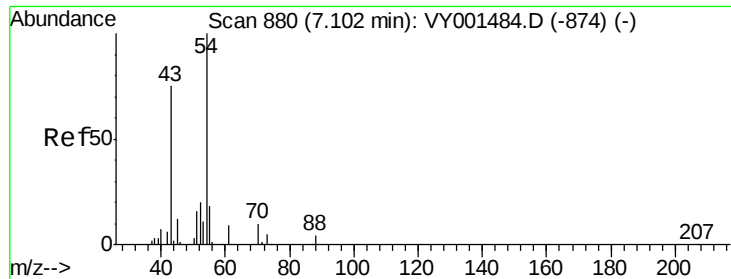
Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	75	Resp:	197374
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.2	54.6
77	30.9	25.0	37.4





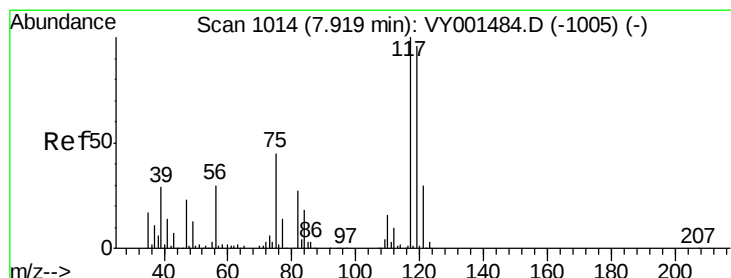
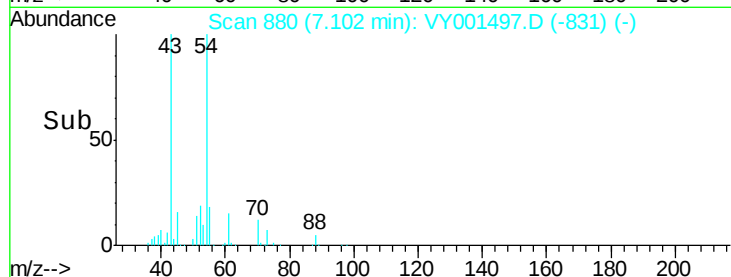
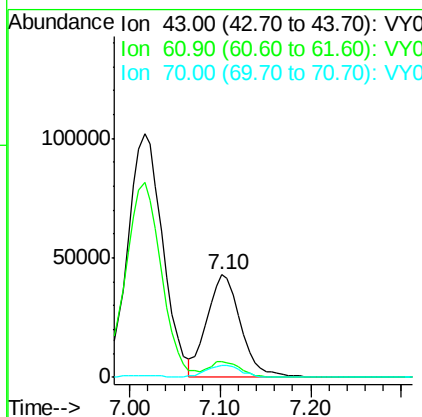
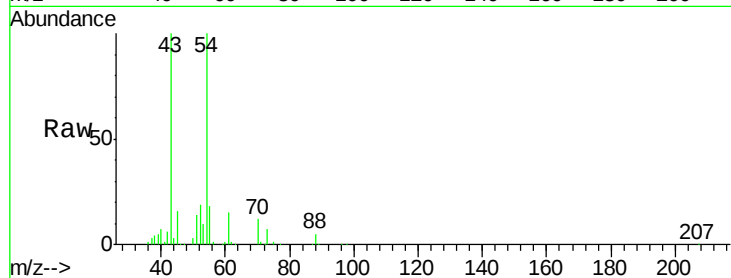
#37
Ethyl Acetate
Concen: 61.445 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.1	12.0	18.0	
70	12.1	10.2	15.4	

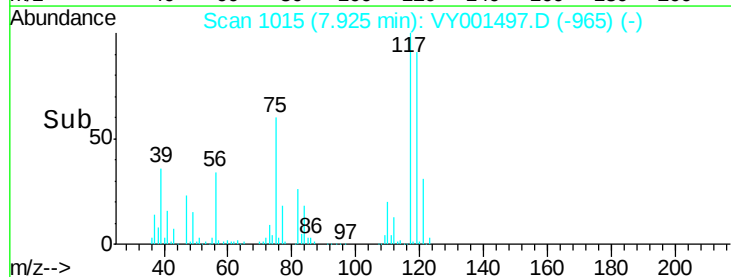
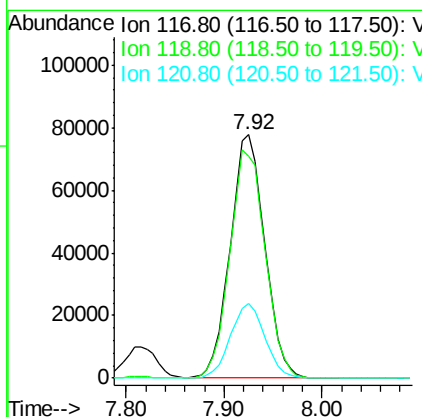
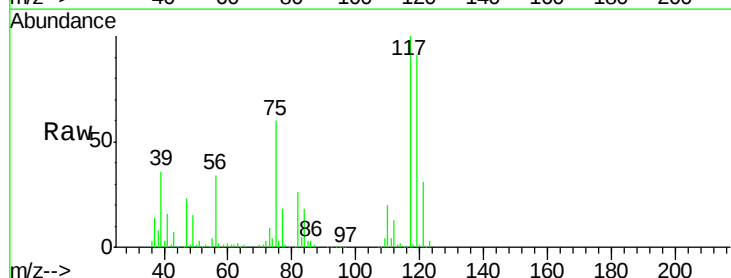
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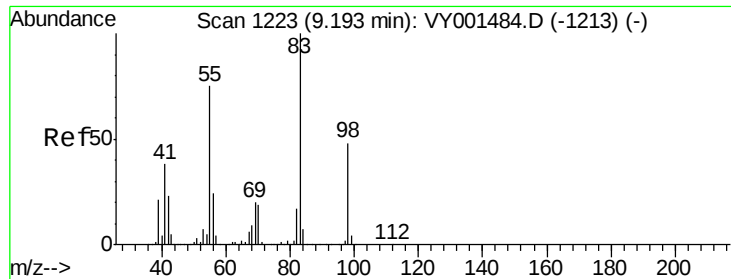
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#38
Carbon Tetrachloride
Concen: 52.246 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.2	76.4	114.6	
121	30.8	24.2	36.4	





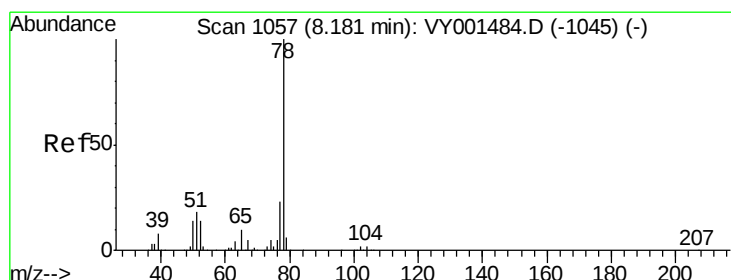
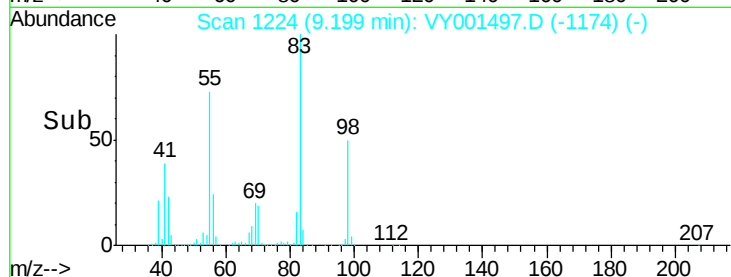
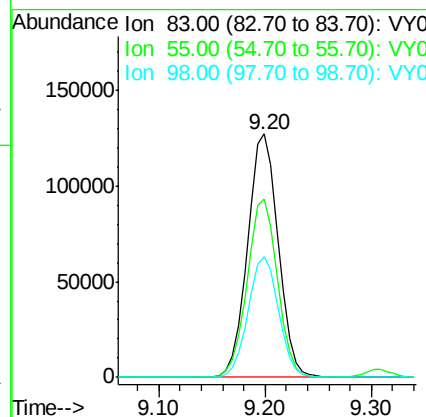
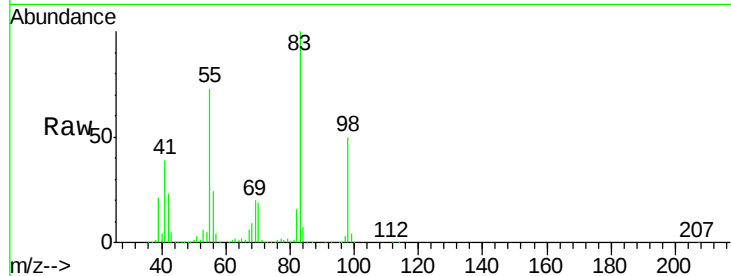
#39
Methvlcvclohexane
Concen: 51.884 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	257599
Ion Ratio	Lower	Upper	
83	100		
55	73.0	59.8	89.6
98	49.6	38.6	57.8

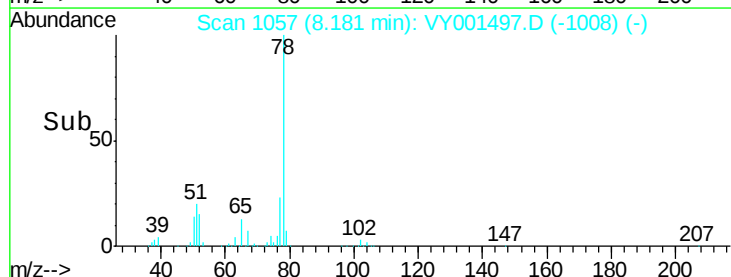
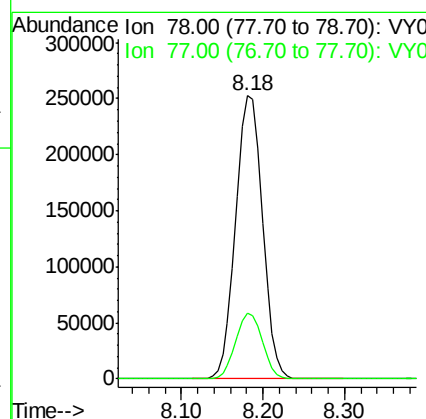
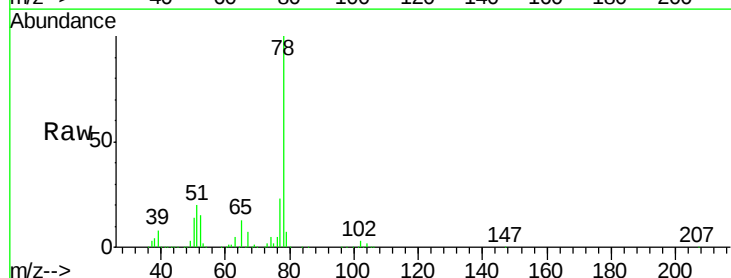
Manual Integrations
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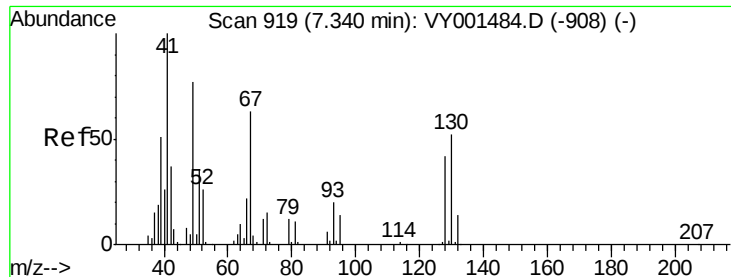
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#40
Benzene
Concen: 53.325 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	78	Resp	573510
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.5	27.7





#41

Methacrylonitrile

Concen: 63.300 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001497.D

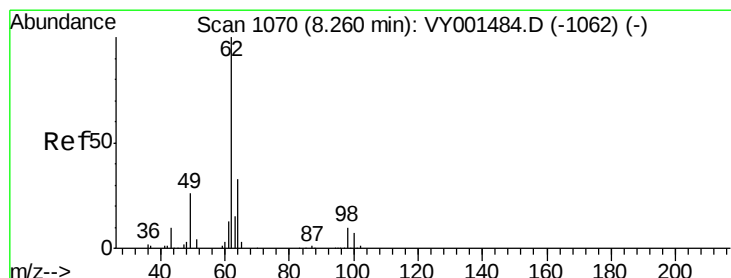
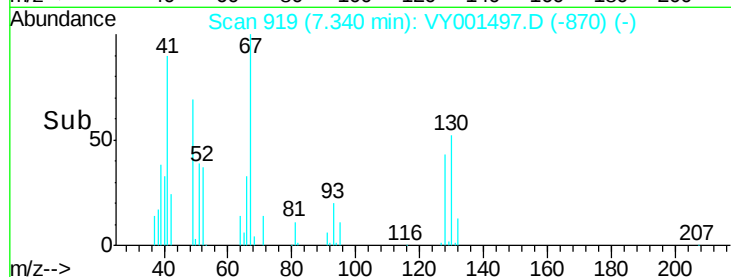
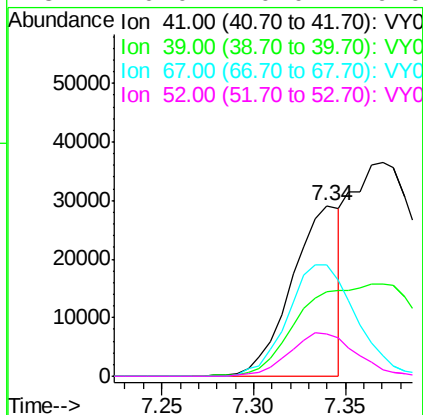
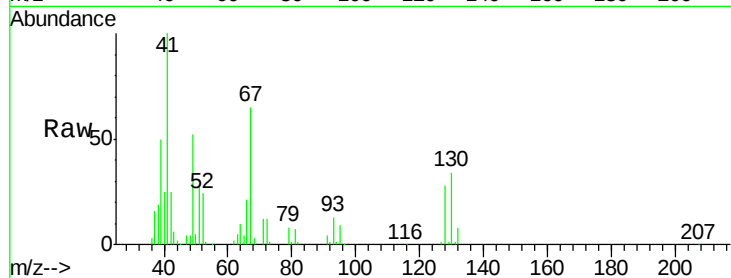
Acq: 04 Feb 2020 19:12

Tot Ion:	41	Resp:	53551
Ion	Ratio	Lower	Upper
41	100		
39	132.5	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.367 ug/l

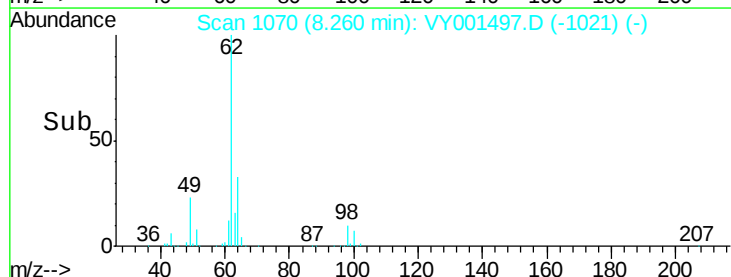
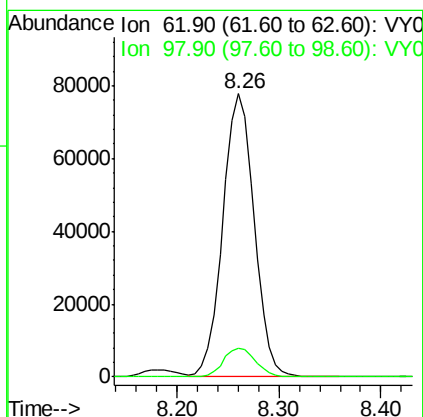
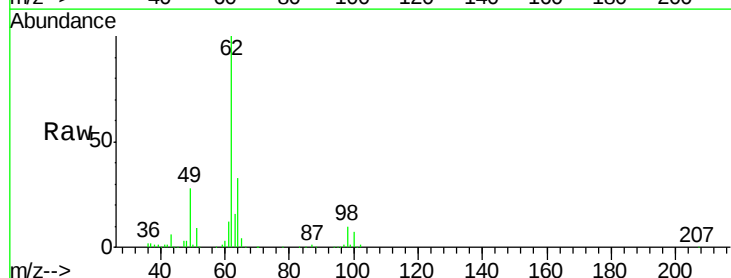
RT: 8.26 min Scan# 1070

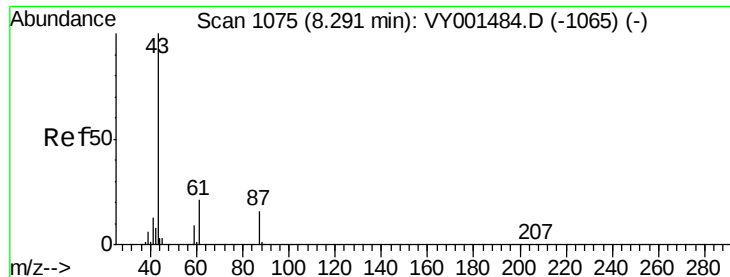
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	62	Resp:	165900
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 60.513 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

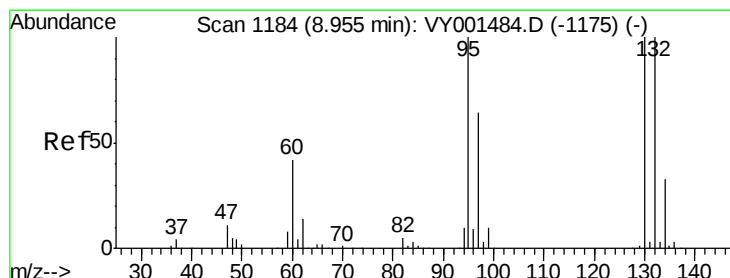
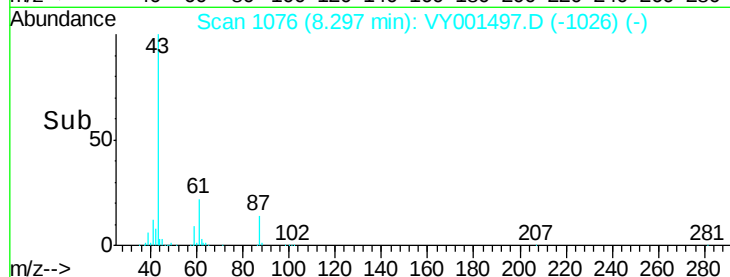
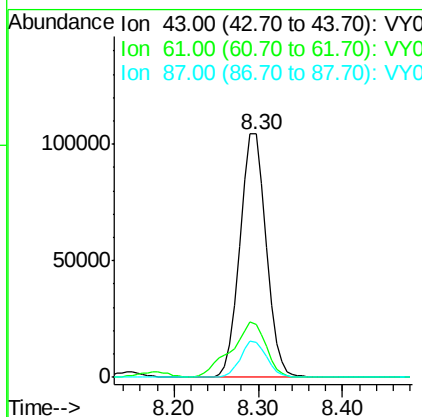
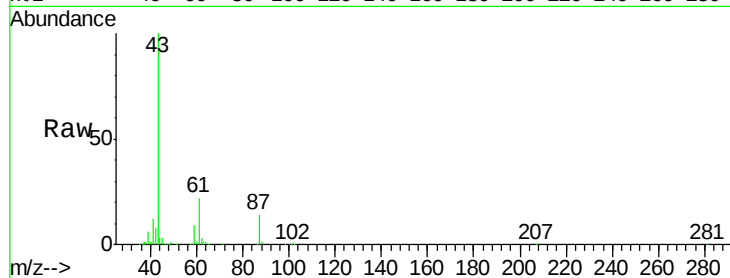
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	218700
Ion	Ratio	Lower	Upper
43	100		
61	30.2	25.1	37.7
87	14.8	12.6	19.0

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#44

Trichloroethene

Concen: 52.456 ug/l

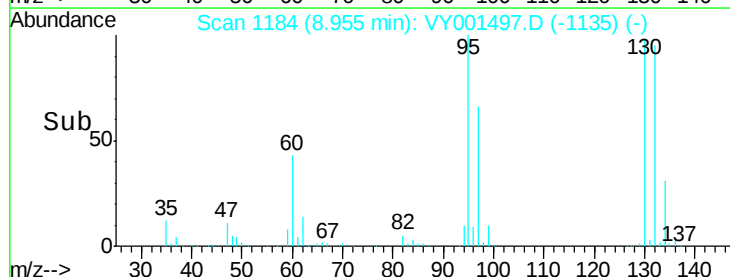
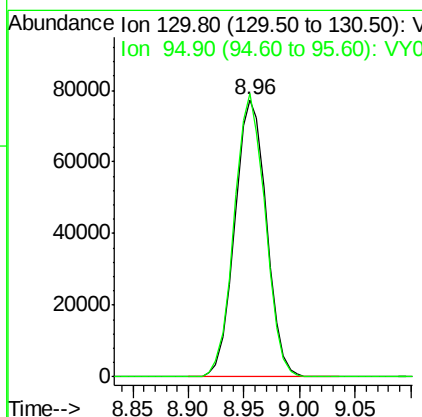
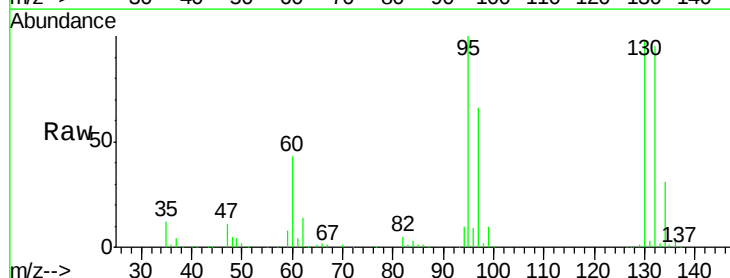
RT: 8.96 min Scan# 1184

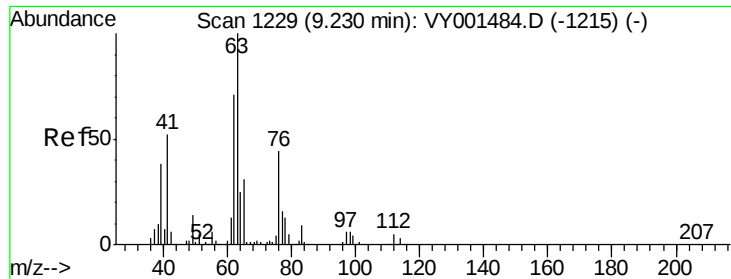
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	130	Resp:	152070
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 54.291 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 140999

Ion Ratio Lower Upper

63 100

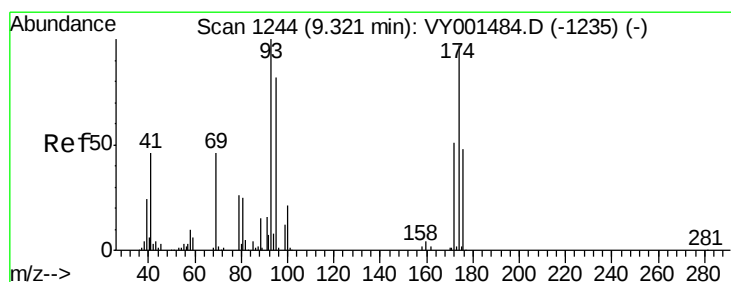
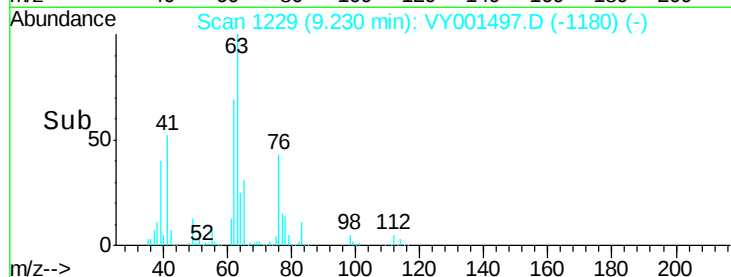
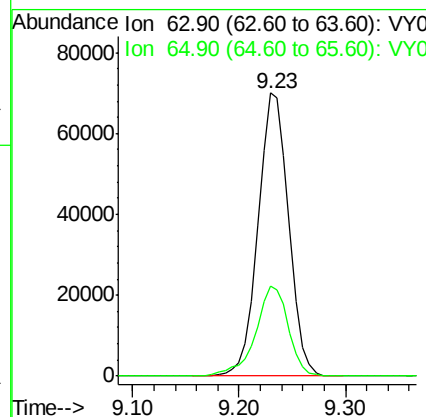
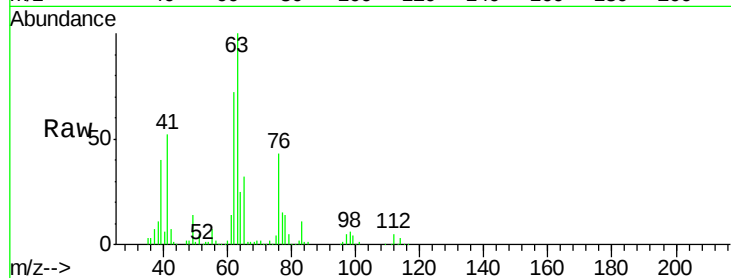
65 31.9 25.0 37.4

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#46

Dibromomethane

Concen: 55.787 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

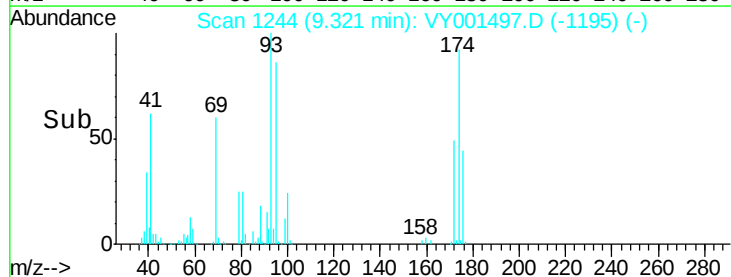
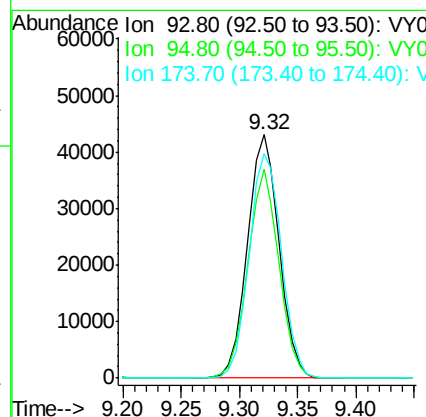
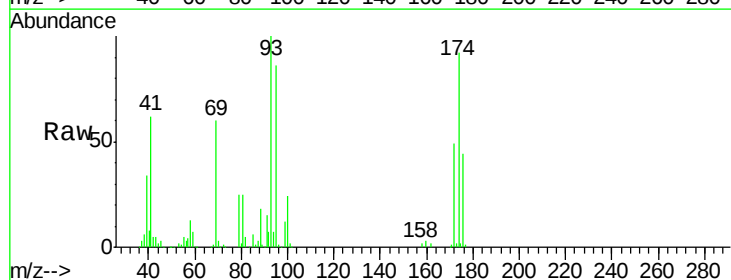
Tgt Ion: 93 Resp: 81356

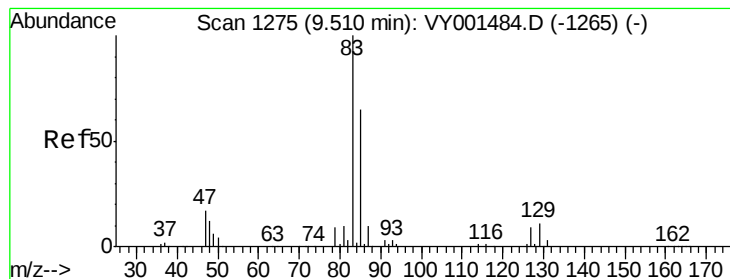
Ion Ratio Lower Upper

93 100

95 84.3 66.6 99.8

174 94.3 75.4 113.2





#47

Bromodichloromethane

Concen: 55.102 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

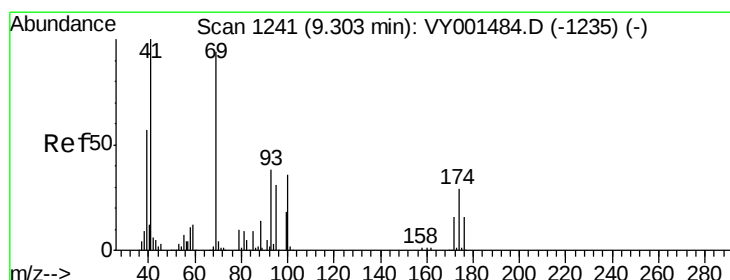
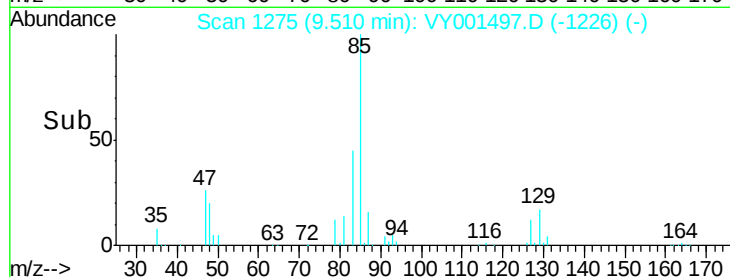
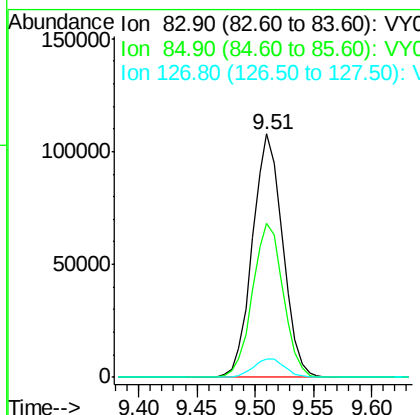
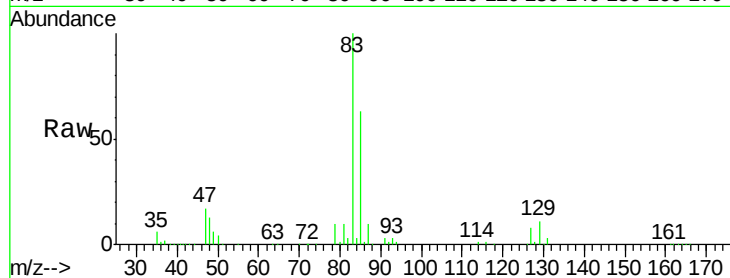
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195792
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.9	77.9
127	7.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.412 ug/l

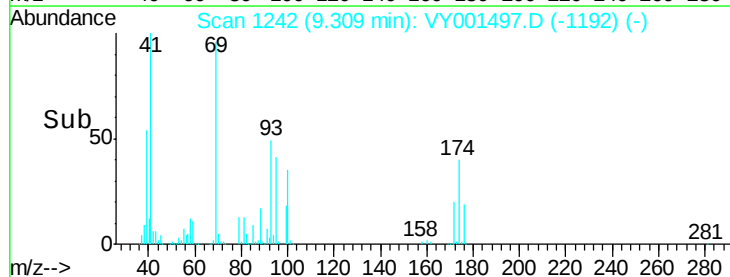
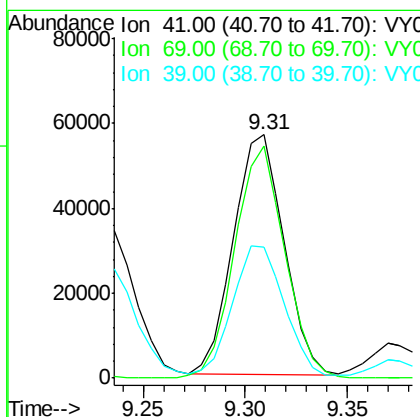
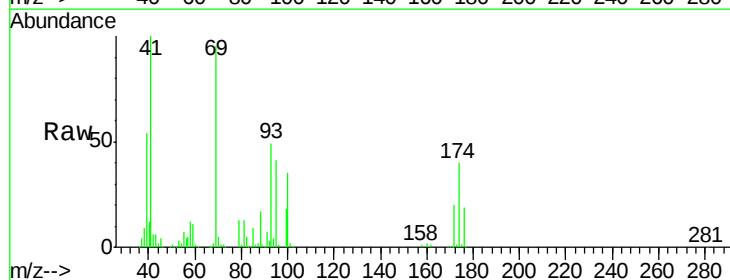
RT: 9.31 min Scan# 1242

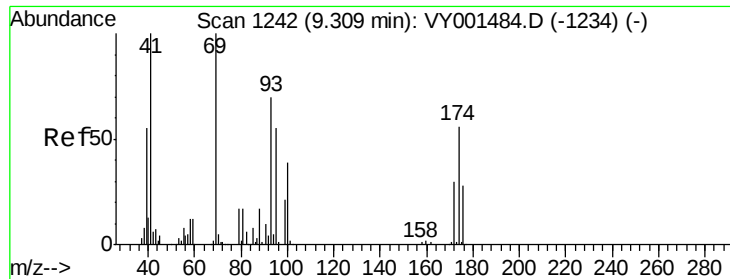
Delta R.T. 0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	41	Resp:	97455
Ion Ratio	Lower	Upper	
41	100		
69	96.0	76.6	114.8
39	57.3	45.4	68.0





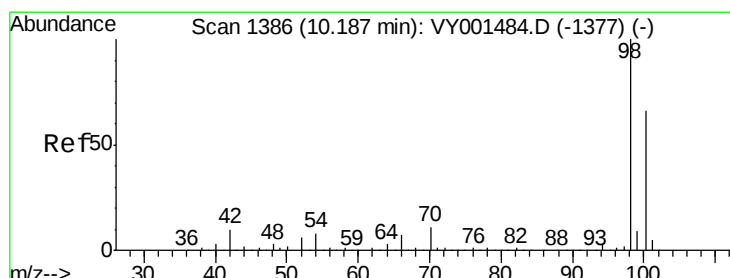
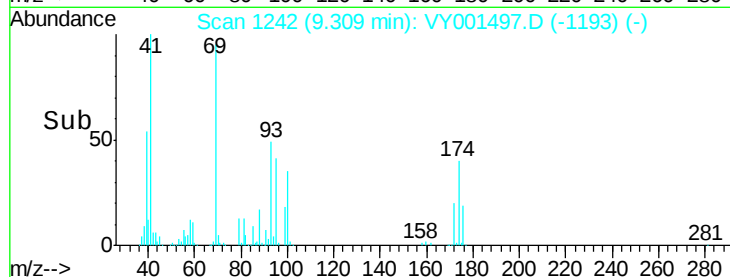
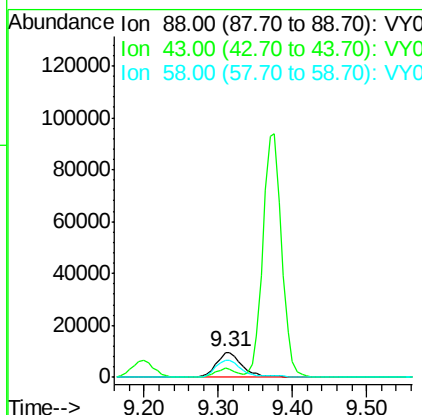
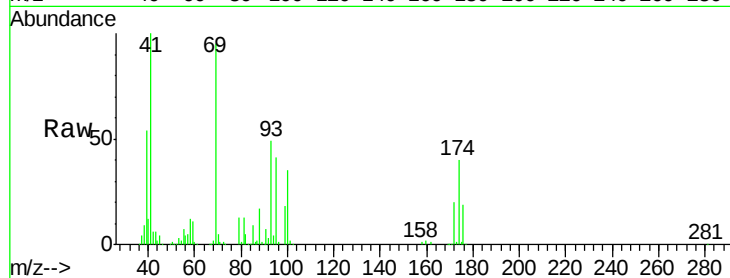
#49
1,4-Dioxane
Concen: 1251.748 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24108
Ion	Ratio	Lower	Upper
88	100		
43	27.9	24.8	37.2
58	70.6	59.3	88.9

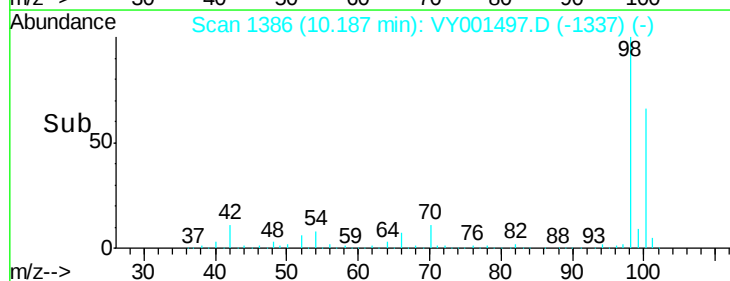
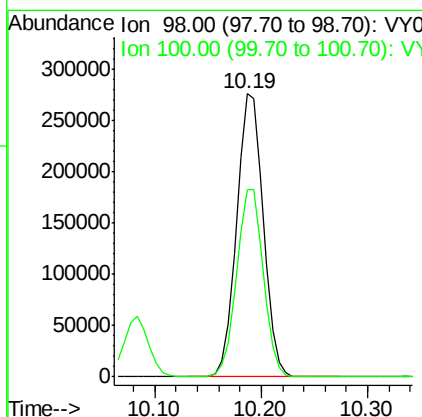
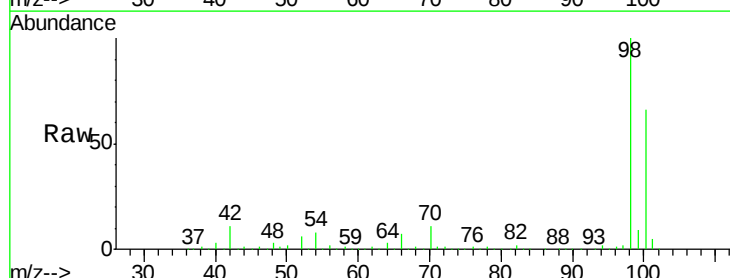
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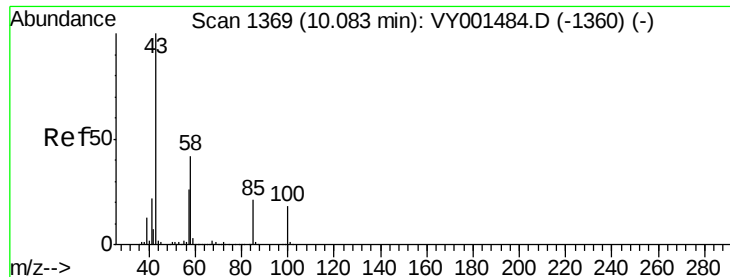
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#50
Toluene-d8
Concen: 53.954 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	98	Resp	485182
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 309.268 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 550448

Ion Ratio Lower Upper

43 100

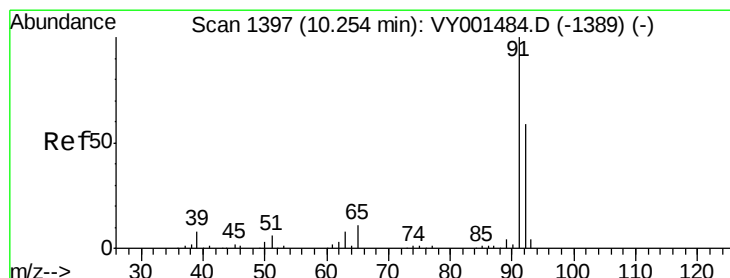
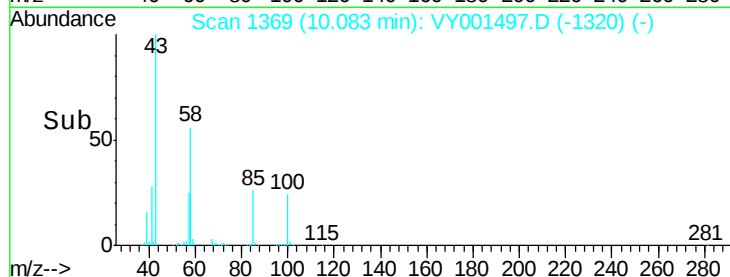
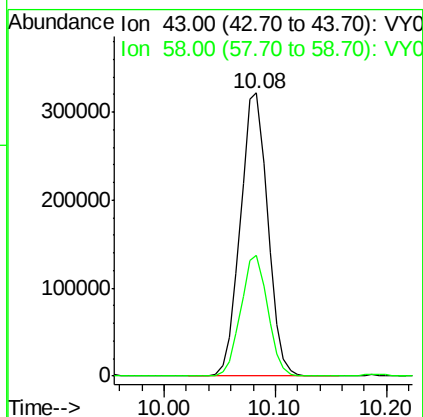
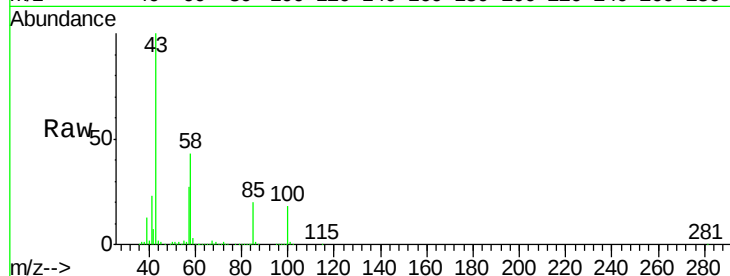
58 42.0 33.9 50.9

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#52

Toluene

Concen: 52.583 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY001497.D

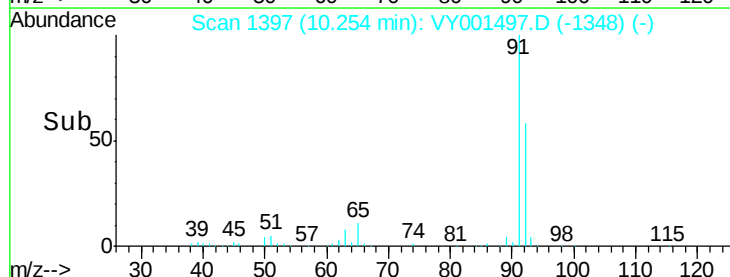
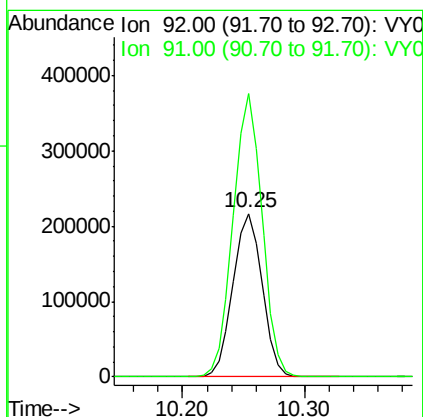
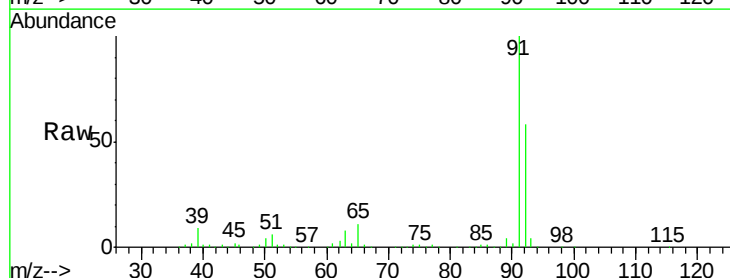
Acq: 04 Feb 2020 19:12

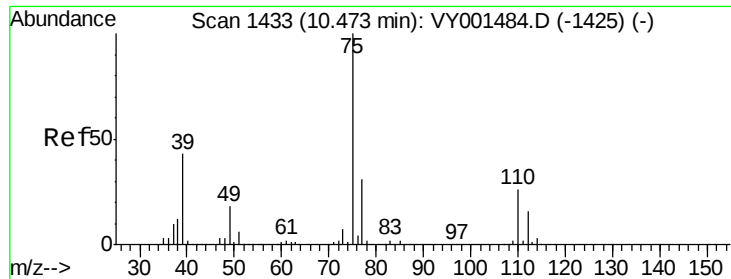
Tgt Ion: 92 Resp: 358832

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8





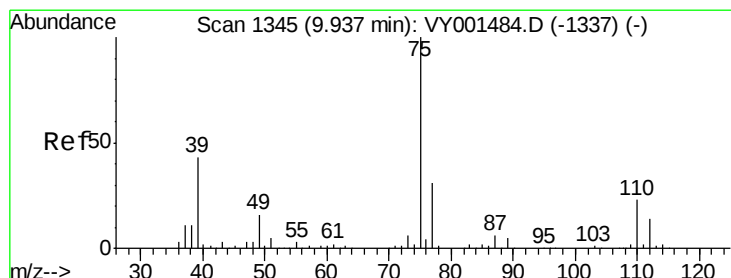
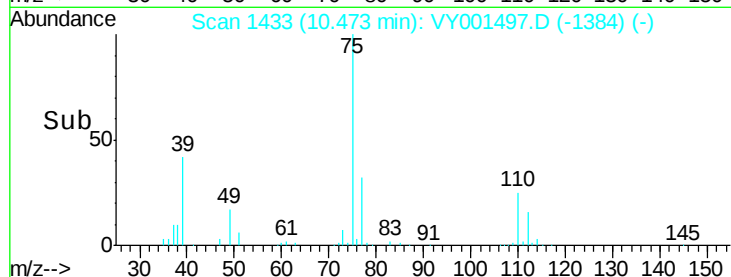
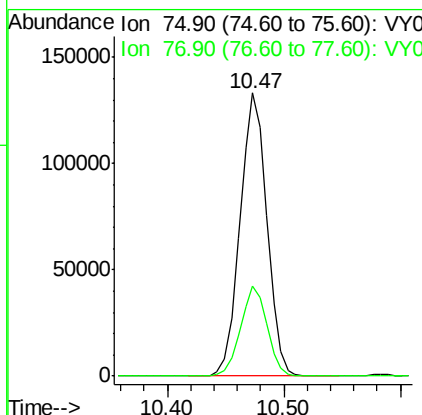
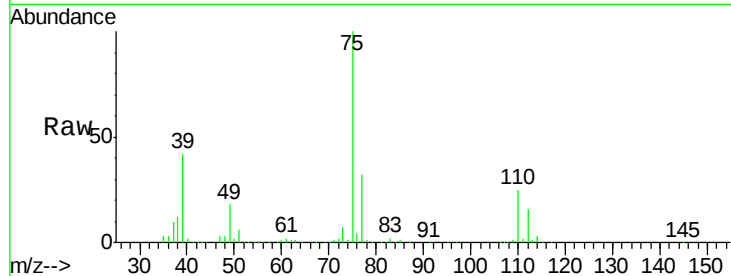
#53
t-1,3-Dichloropropene
Concen: 55.339 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 214172
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3

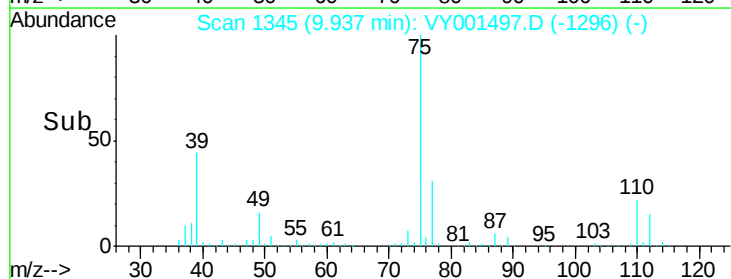
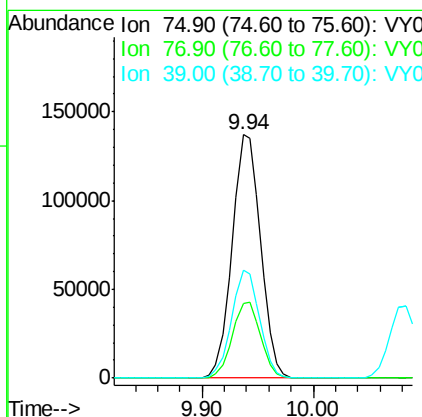
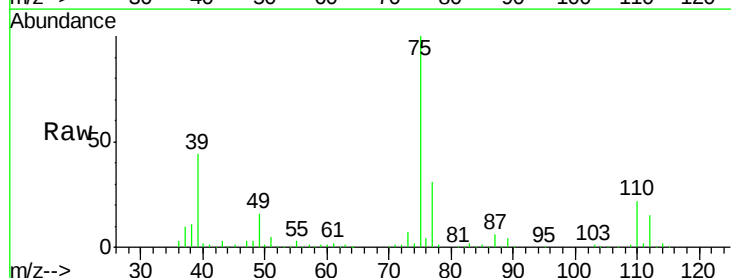
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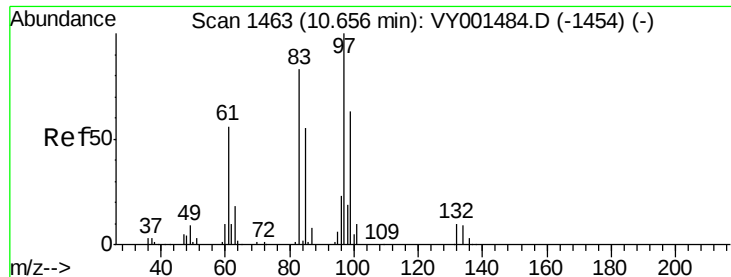
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#54
cis-1,3-Dichloropropene
Concen: 54.464 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion: 75 Resp: 241989
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1
39 44.2 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 56.391 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

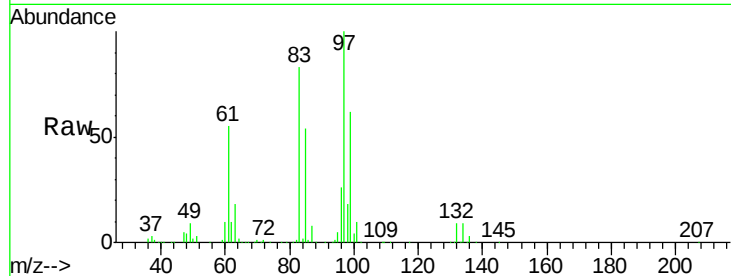
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	117990
Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.2	99.2
85	54.3	43.8	65.6
99	62.4	50.1	75.1

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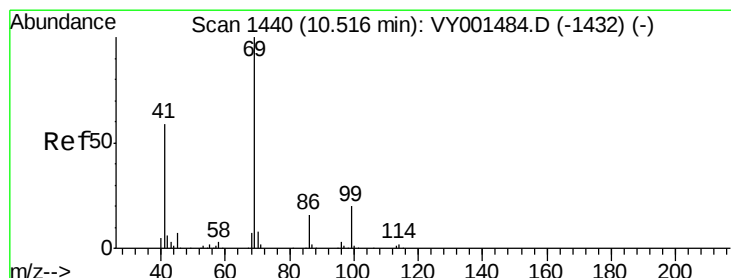
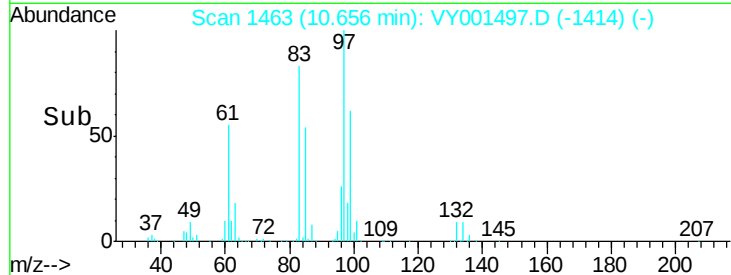
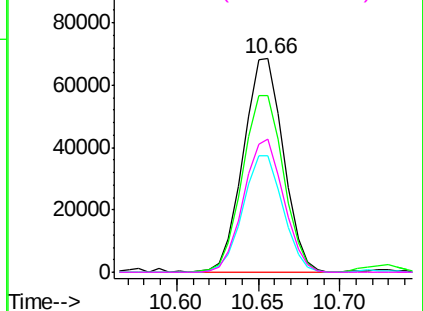
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 59.334 ug/l

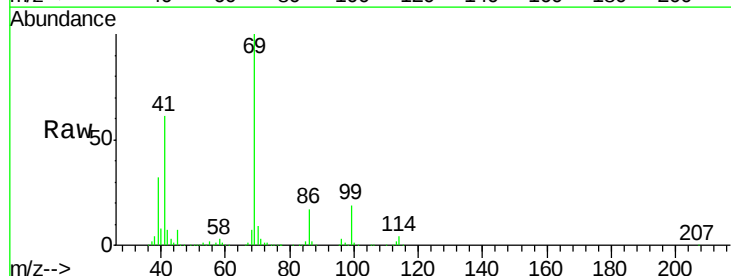
RT: 10.52 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	69	Resp:	176579
Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.8	71.8
39	29.7	24.4	36.6

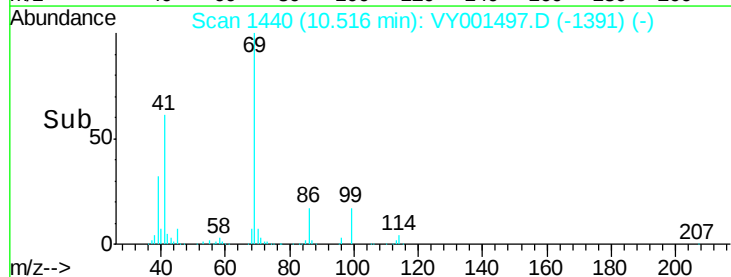
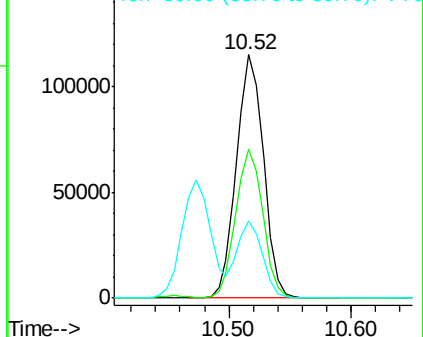


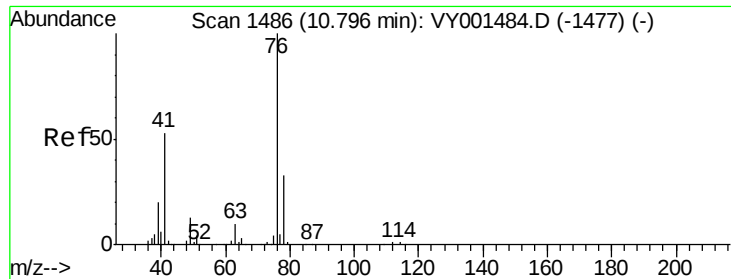
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 55.258 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 203808

Ion Ratio Lower Upper

76 100

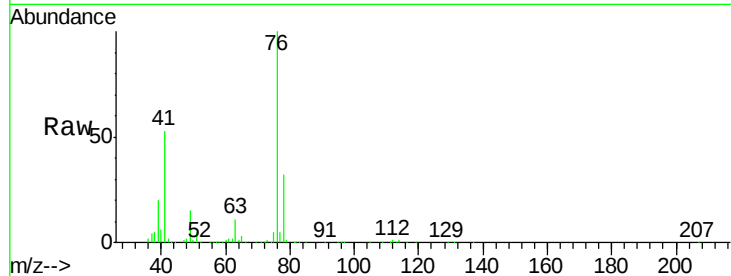
78 32.4 25.7 38.5

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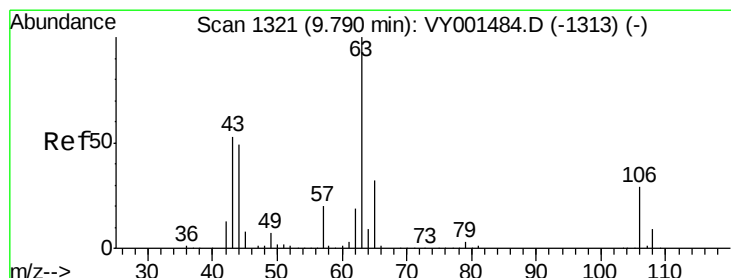
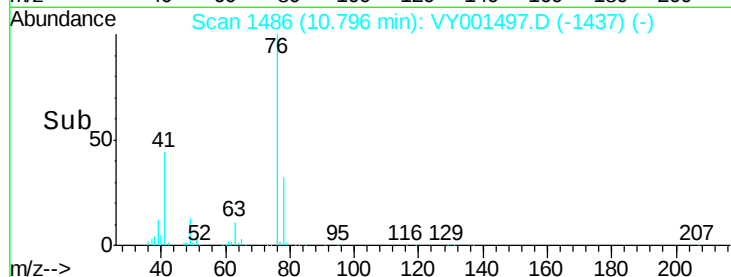
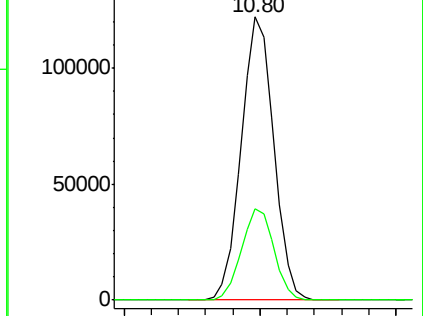
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 286.744 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY001497.D

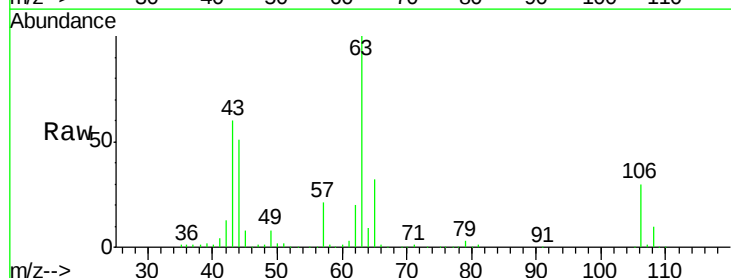
Acq: 04 Feb 2020 19:12

Tgt Ion: 63 Resp: 313926

Ion Ratio Lower Upper

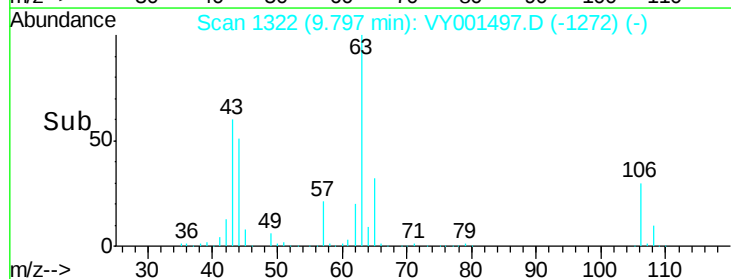
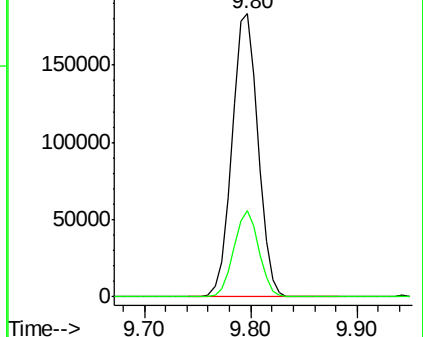
63 100

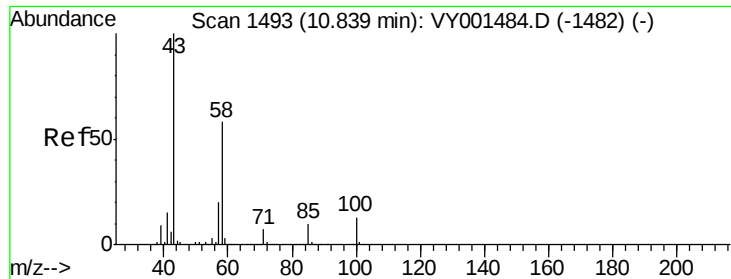
106 29.5 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





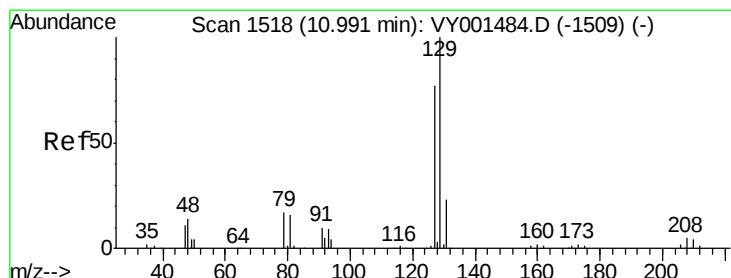
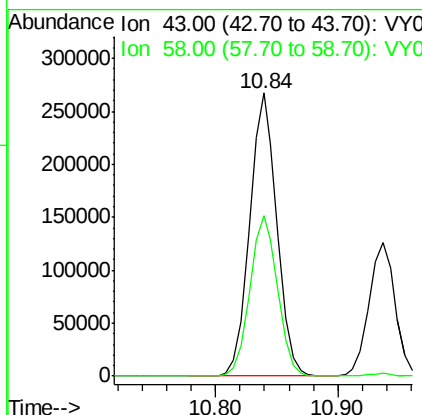
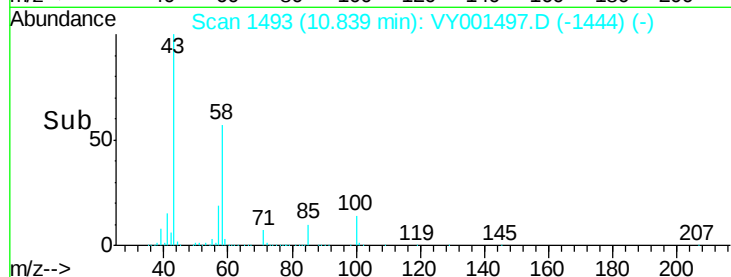
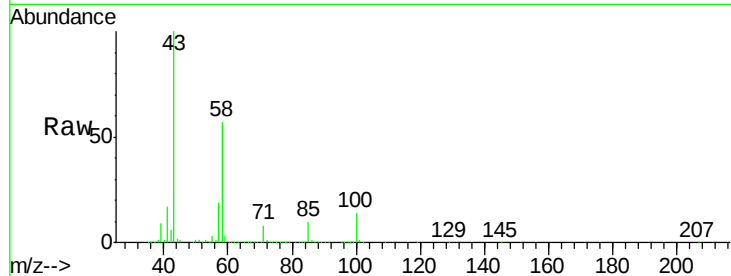
#59
2-Hexanone
Concen: 318.471 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 412134
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0

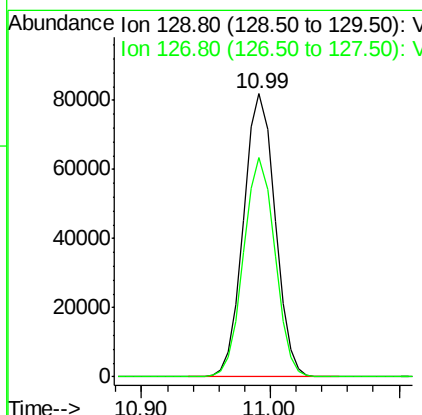
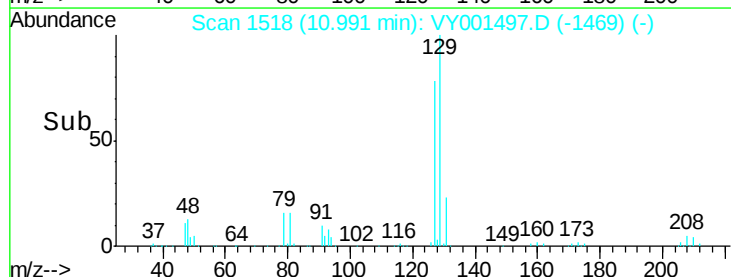
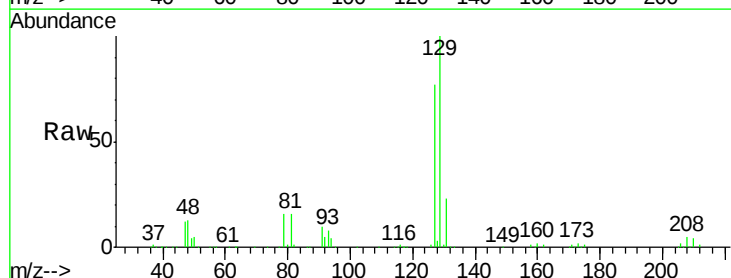
Manual Integrations
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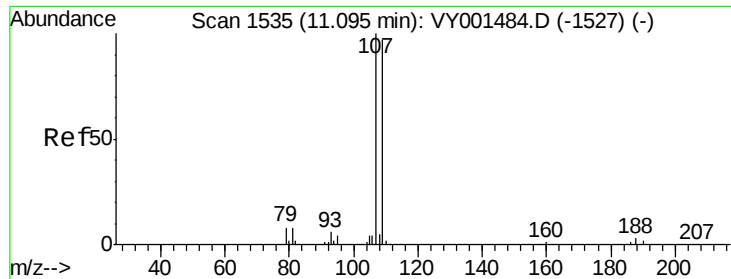
MMDadoda
2/5/2020 12:24:09 PM



#60
Dibromochloromethane
Concen: 56.271 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion: 129 Resp: 138783
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





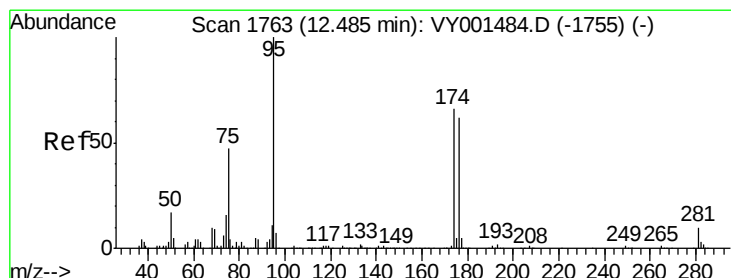
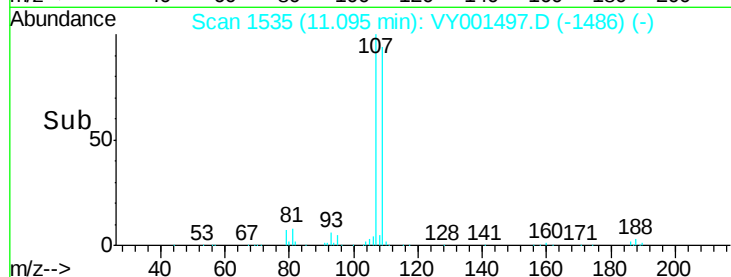
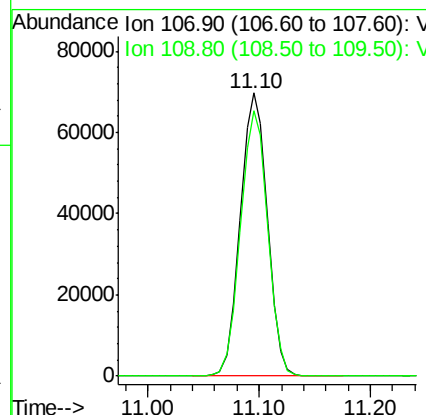
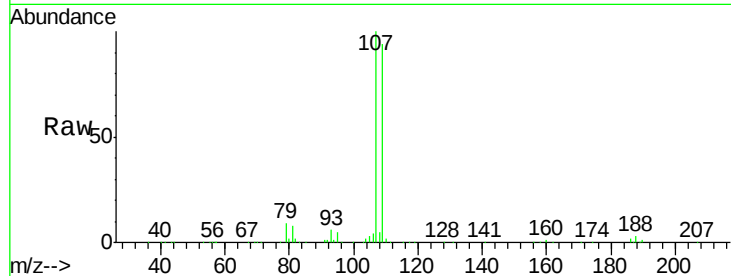
#61
 1,2-Dibromoethane
 Concen: 56.798 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.2	114.2

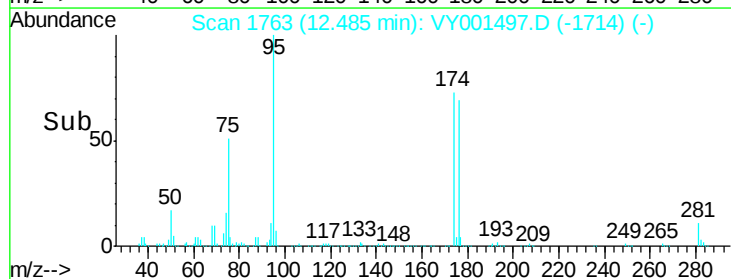
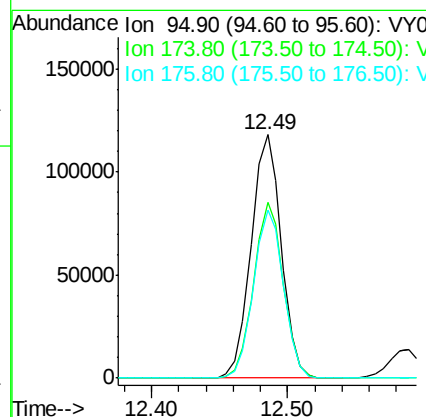
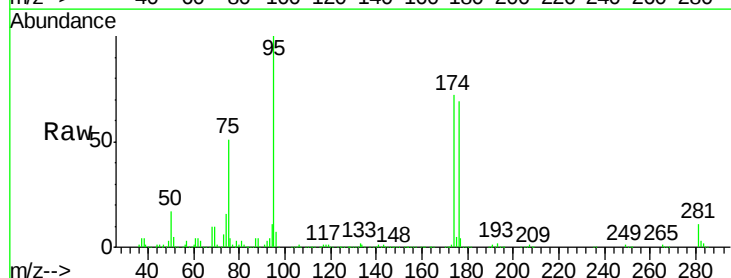
Manual Integrations
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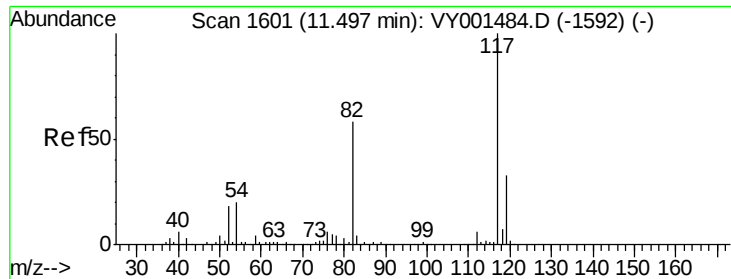
MMDadoda
 2/5/2020 12:24:09 PM



#62
 4-Bromofluorobenzene
 Concen: 51.643 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	141.4
176	69.1	0.0	135.4





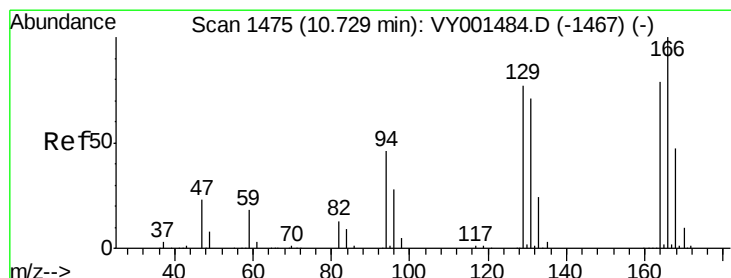
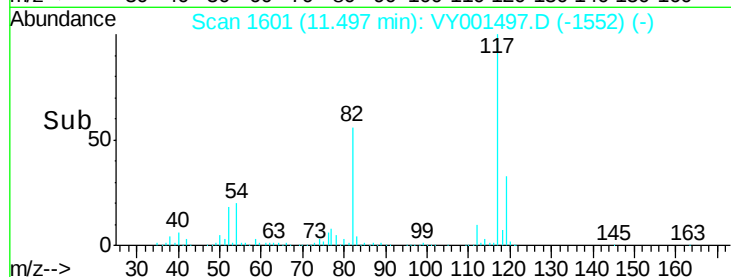
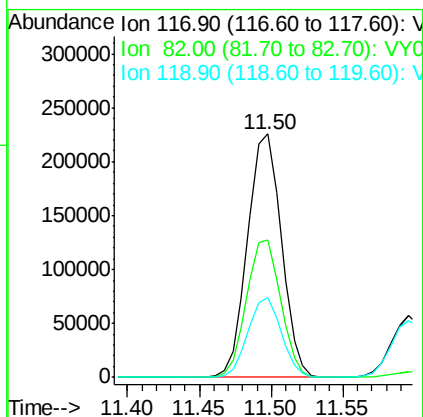
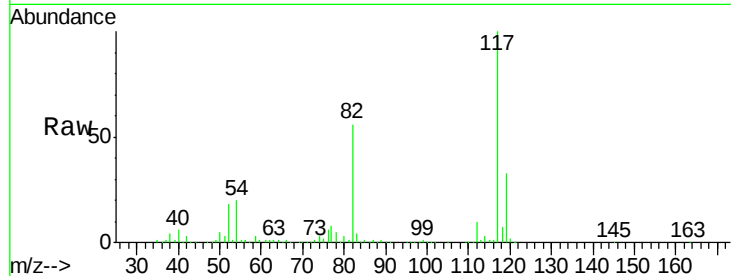
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	367867		
82	56.4	46.1	69.1	
119	32.7	26.1	39.1	

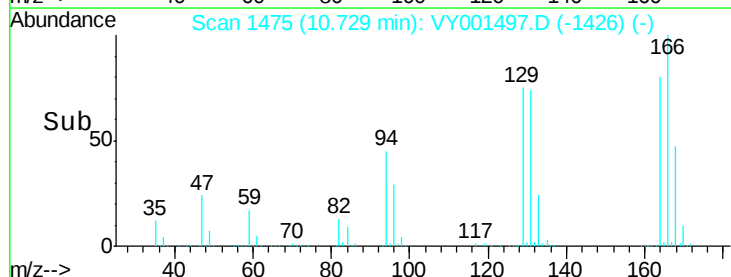
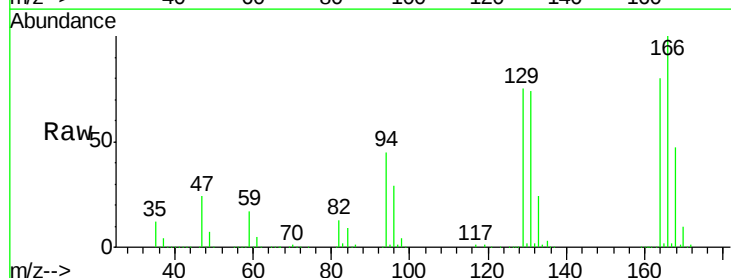
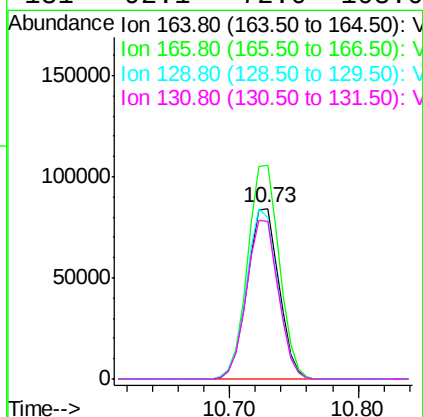
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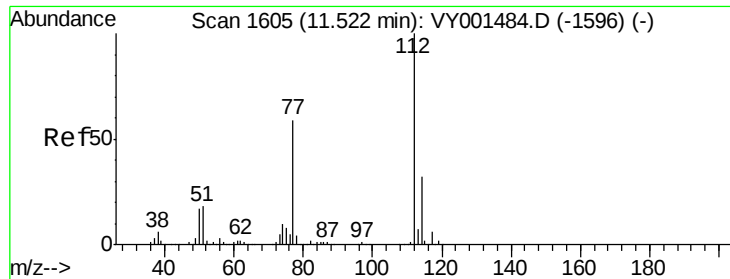
MMDadoda
2/5/2020 12:24:09 PM



#64
Tetrachloroethene
Concen: 58.864 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142010		
166	125.1	100.8	151.2	
129	94.5	77.8	116.6	
131	92.1	72.0	108.0	





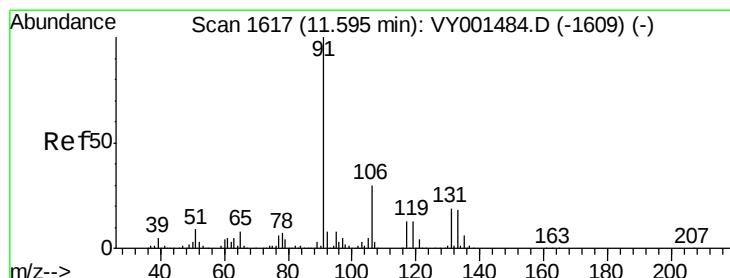
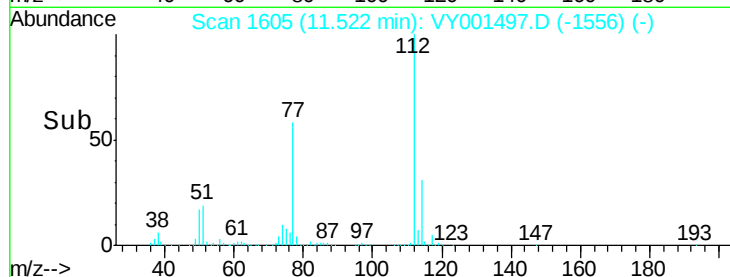
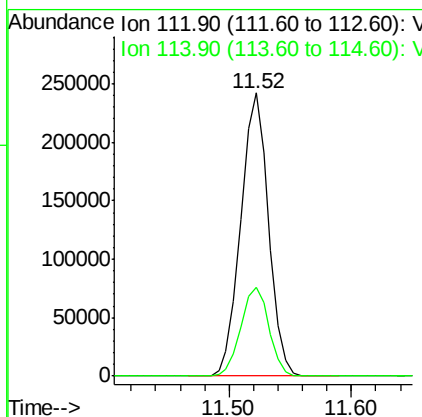
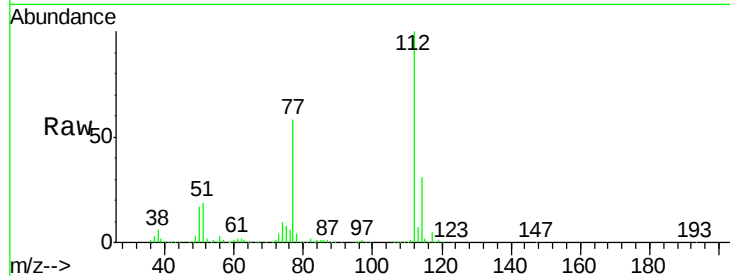
#65
Chlorobenzene
Concen: 52.658 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2

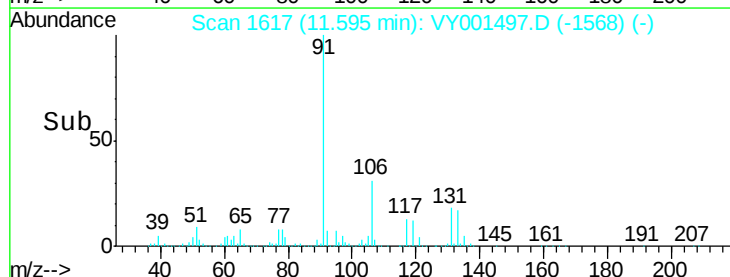
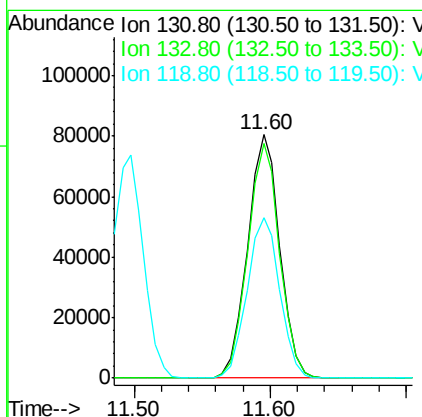
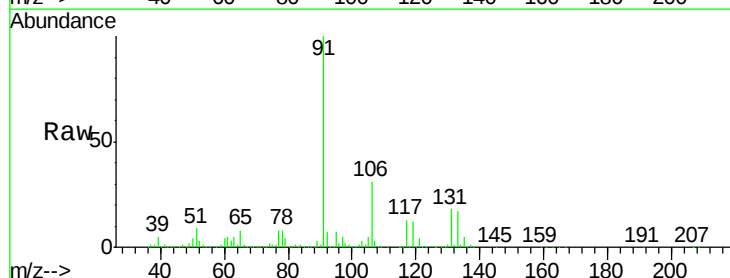
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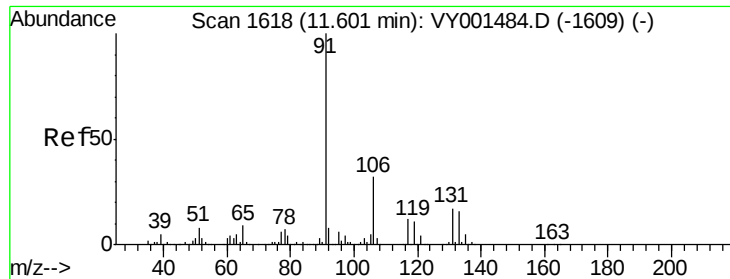
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.579 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.8
119	67.1	33.7	101.0





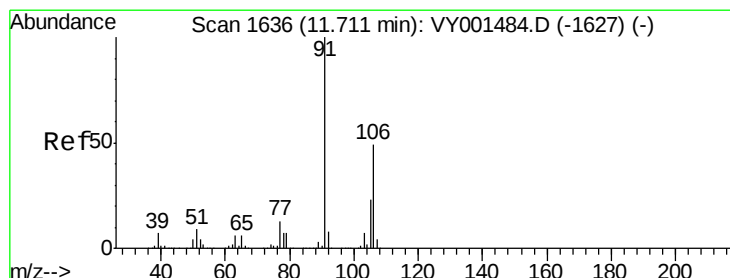
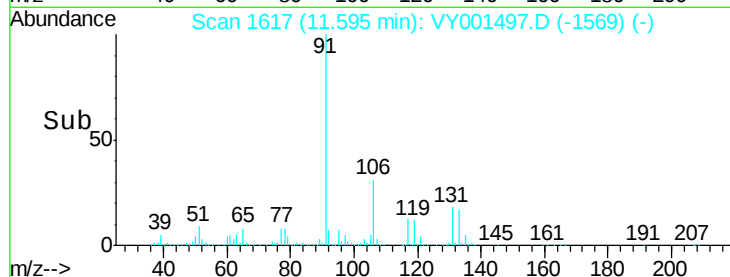
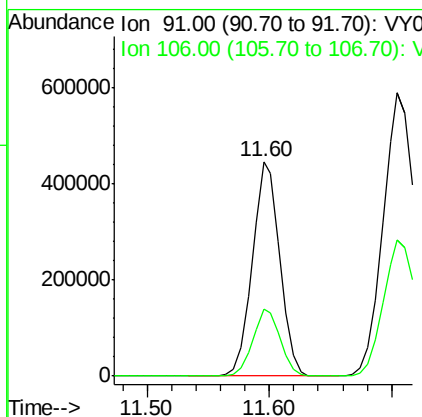
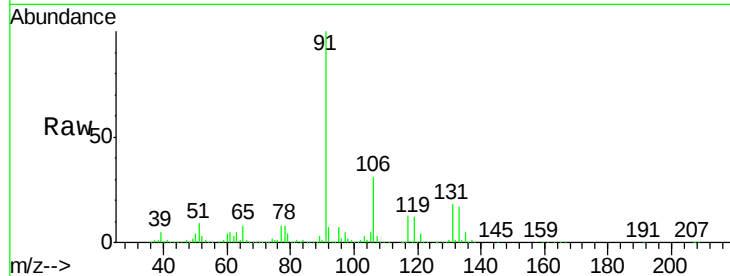
#67
Ethyl Benzene
Concen: 51.936 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 693612
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

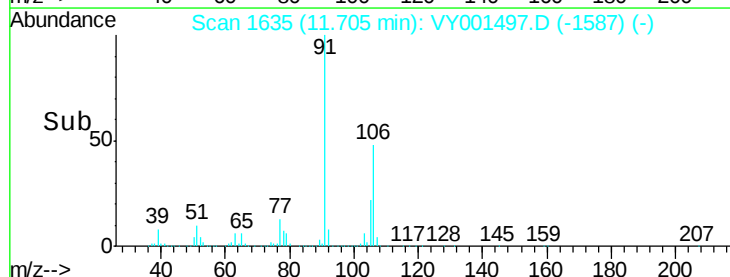
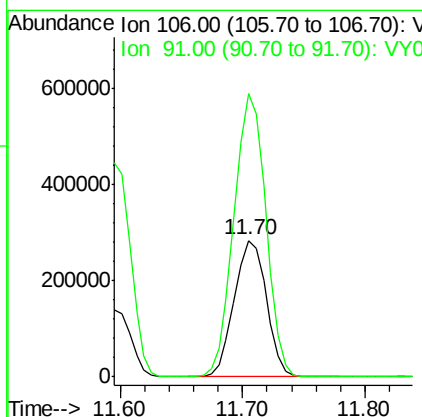
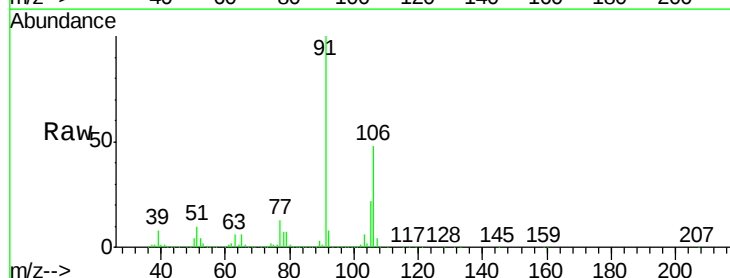
Manual Integrations
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#68
m/p-Xylenes
Concen: 103.073 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion: 106 Resp: 516765
Ion Ratio Lower Upper
106 100
91 205.6 163.6 245.4





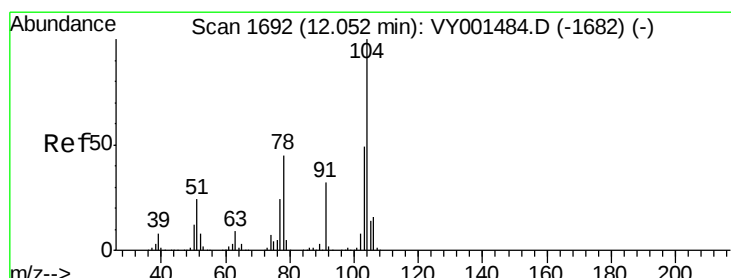
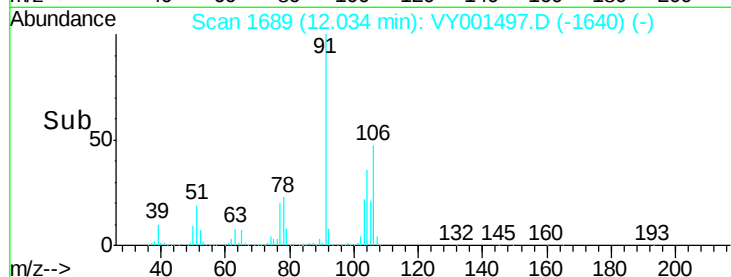
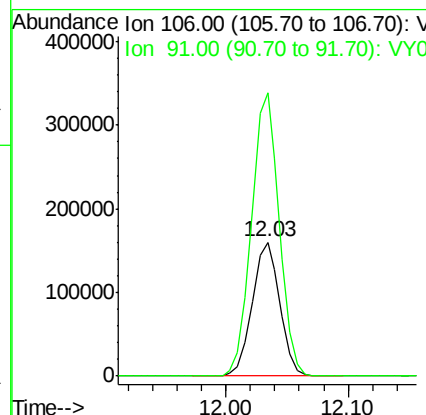
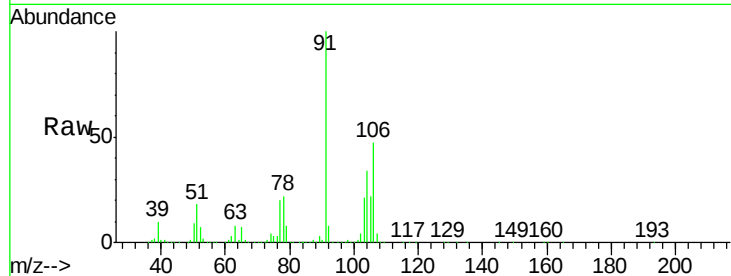
#69
o-Xylene
Concen: 52.945 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	250277		
91	91	212.6	106.0	318.0	

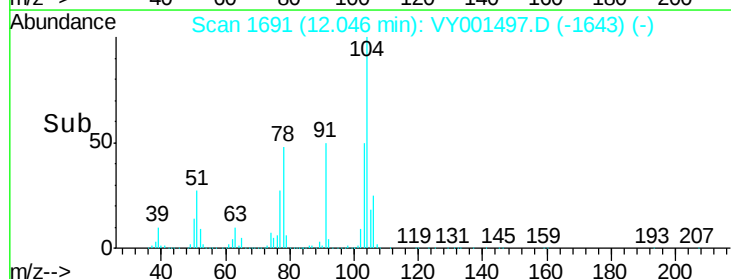
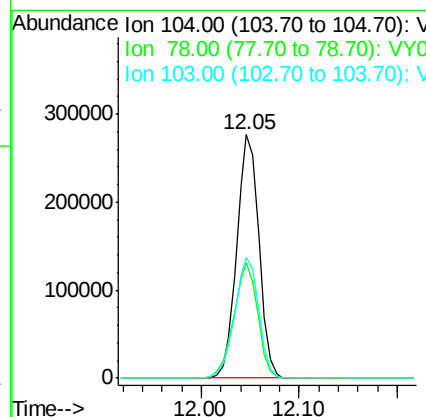
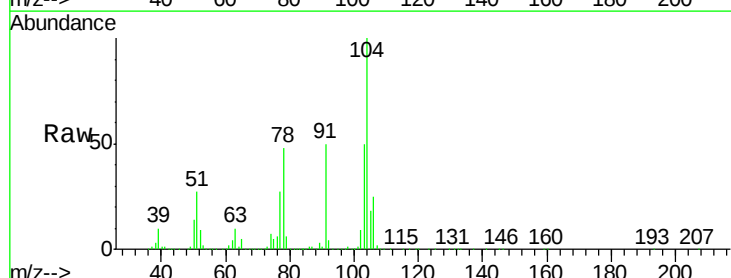
Manual Integrations
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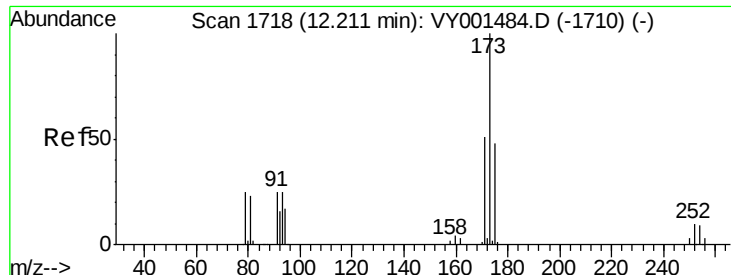
MMDadoda
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#70
Styrene
Concen: 53.032 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	433517		
78	78	50.9	40.4	60.6	
103	103	53.5	42.8	64.2	





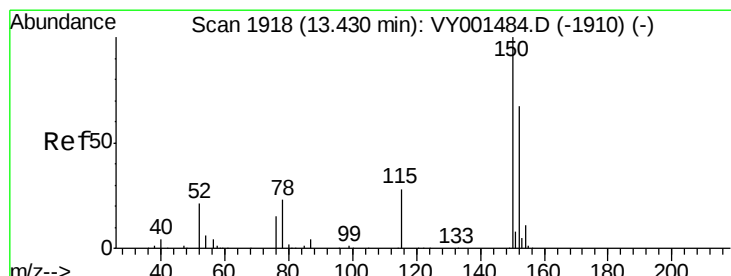
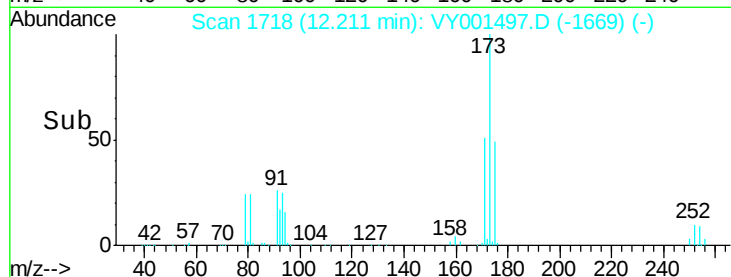
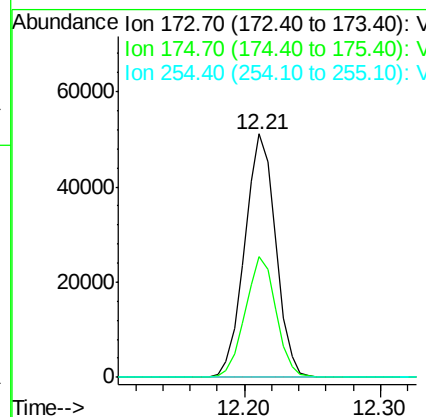
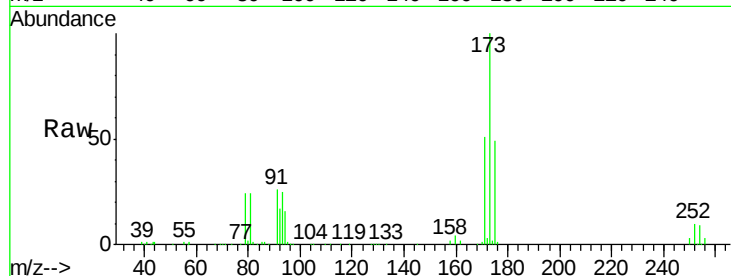
#71
Bromoform
Concen: 57.919 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.0	72.0
254	0.0	0.1	0.1

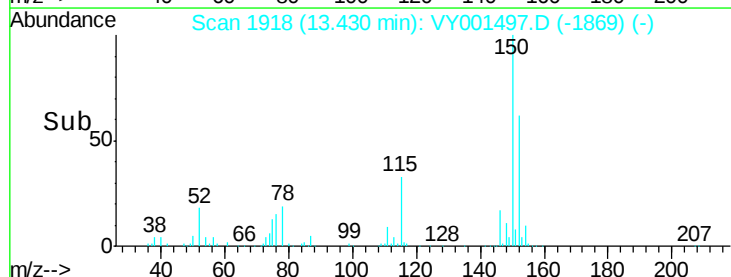
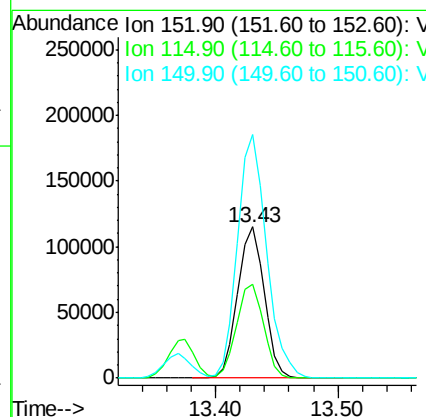
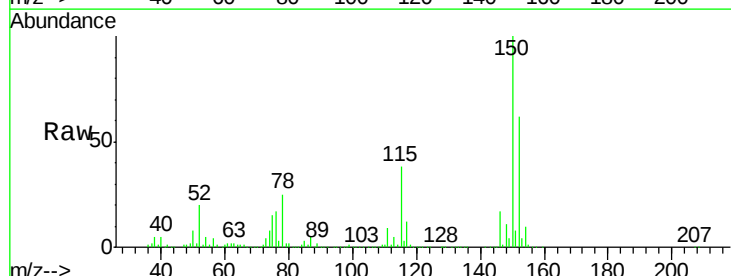
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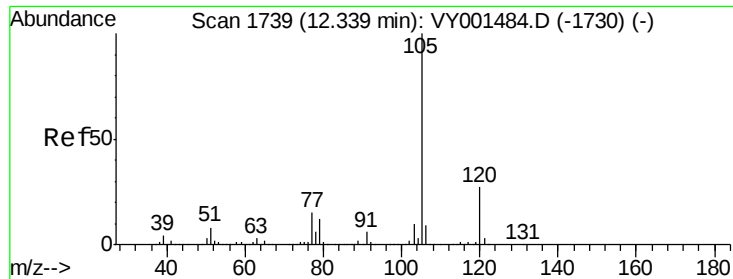
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.4	94.3
150	176.2	0.0	346.8





#73

Isopropylbenzene

Concen: 50.816 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 669262

Ion Ratio Lower Upper

105 100

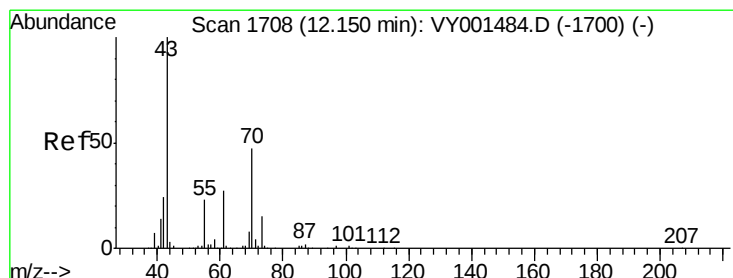
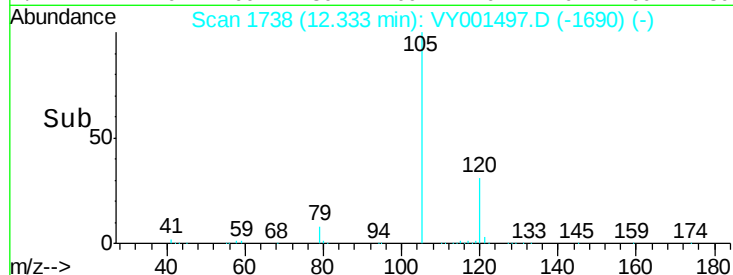
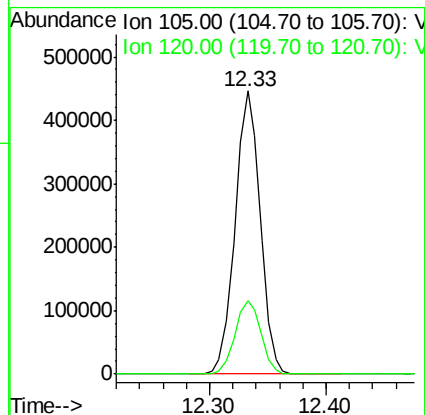
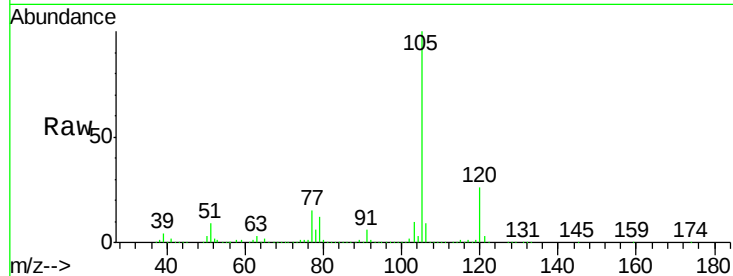
120 26.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 60.543 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion: 43 Resp: 207199

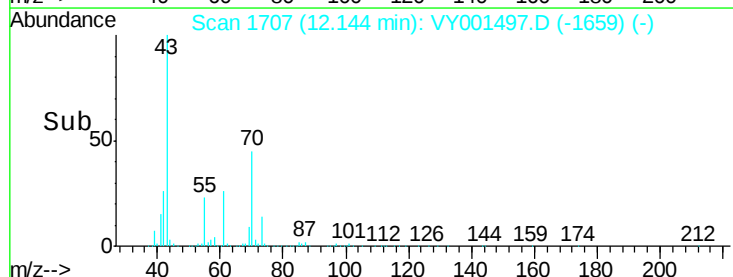
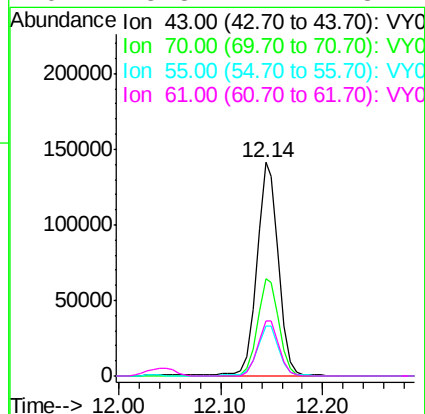
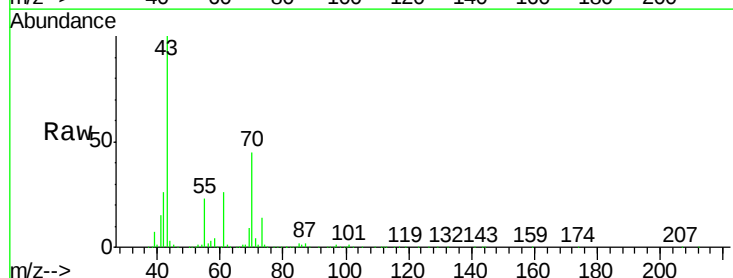
Ion Ratio Lower Upper

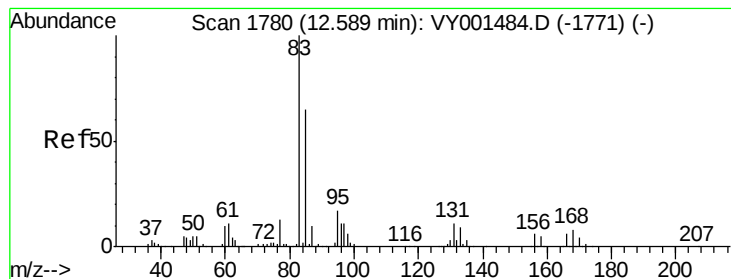
43 100

70 45.2 37.2 55.8

55 23.7 18.8 28.2

61 25.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 57.544 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

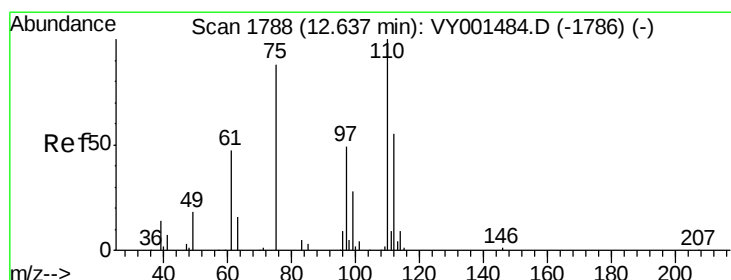
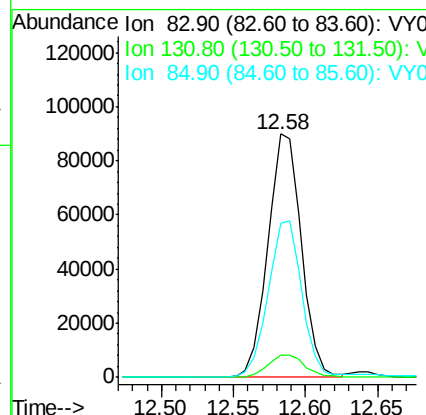
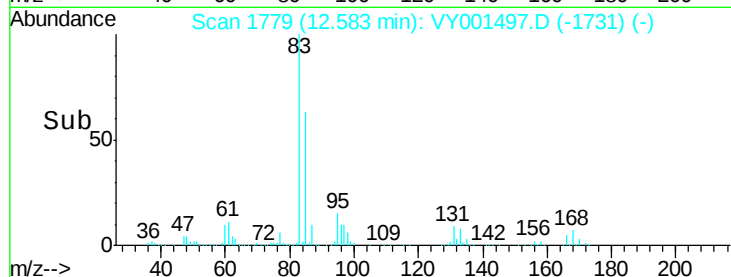
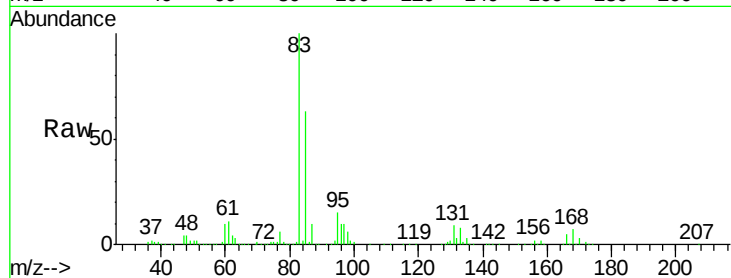
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	143989
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	64.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.826 ug/l m

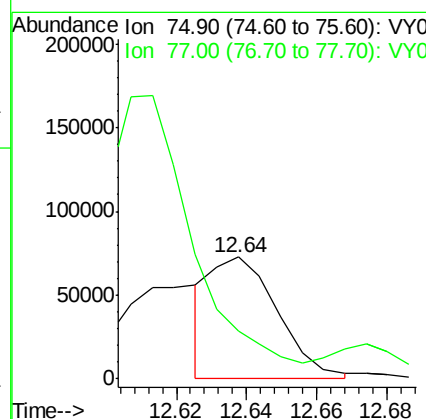
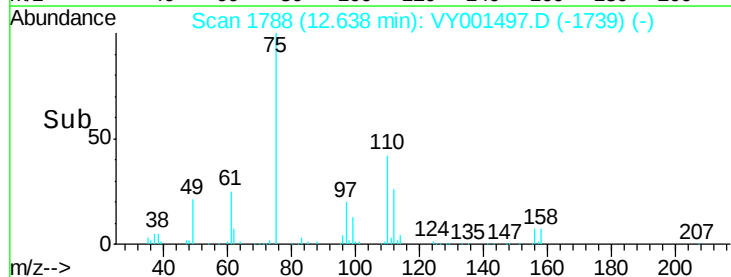
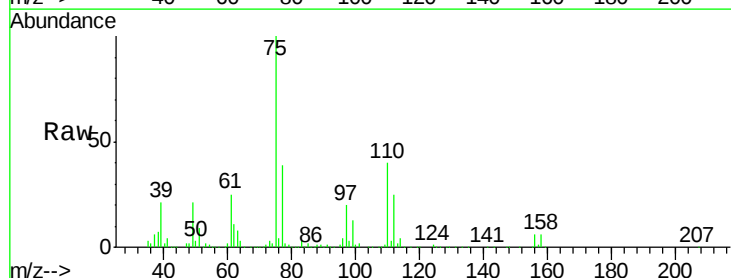
RT: 12.64 min Scan# 1788

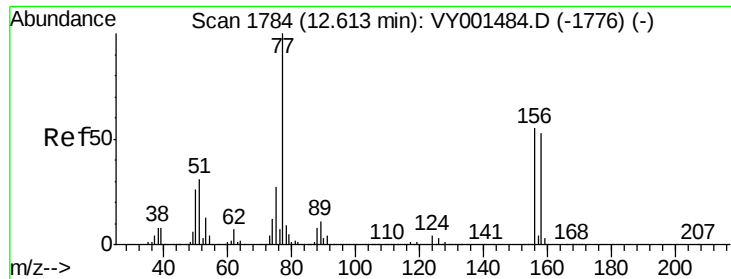
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	75	Resp:	96242
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.411 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

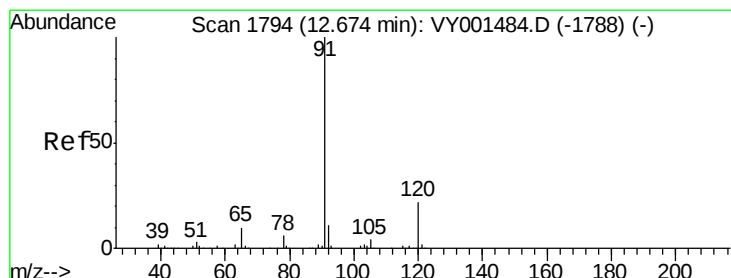
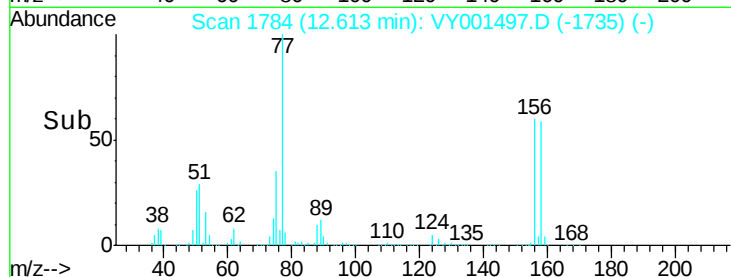
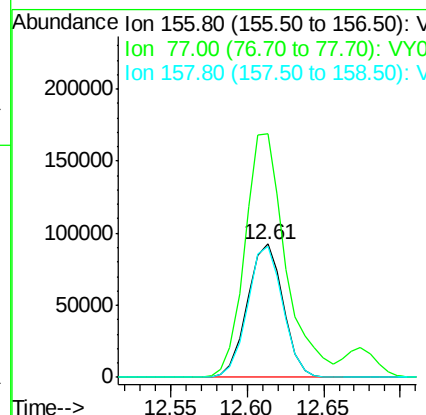
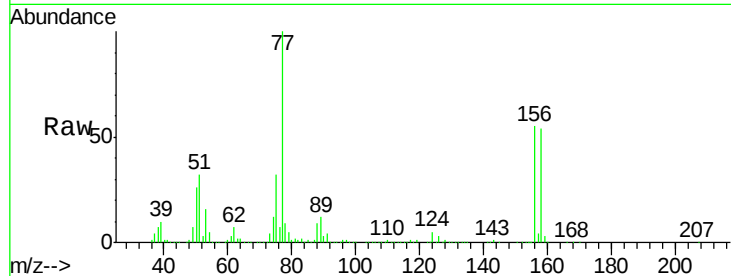
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	149380
Ion	Ratio	Lower	Upper
156	100		
77	209.6	99.8	299.3
158	97.0	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.787 ug/l

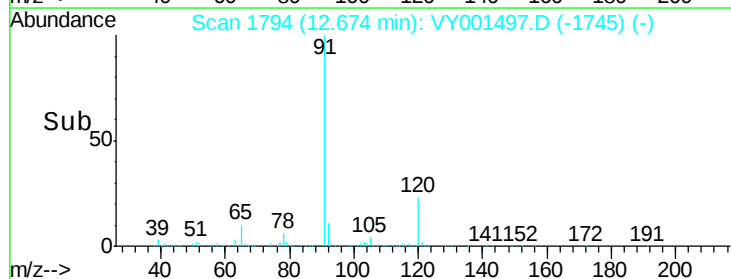
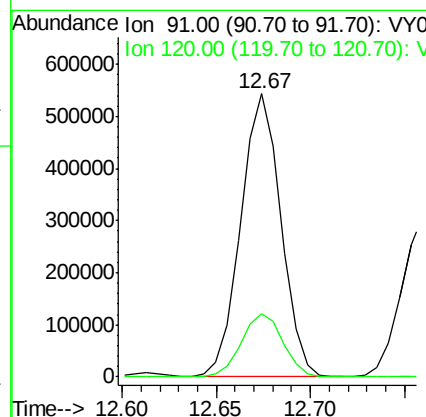
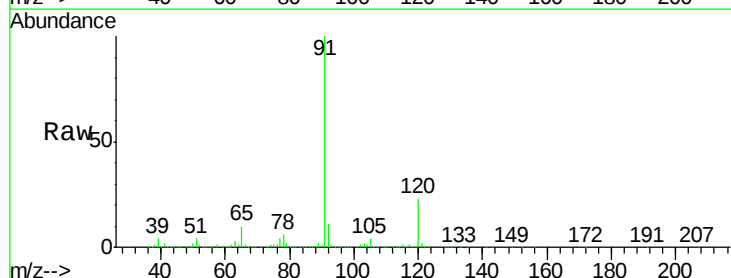
RT: 12.67 min Scan# 1794

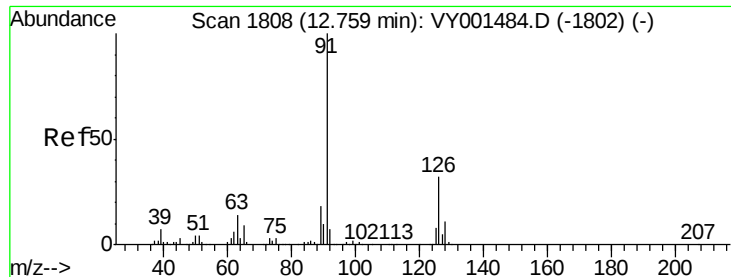
Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	91	Resp:	800756
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 51.678 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 464448

Ion Ratio Lower Upper

91 100

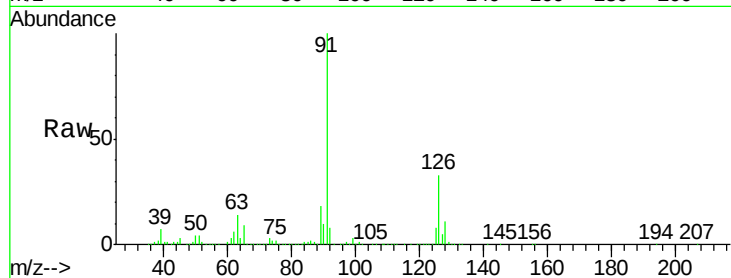
126 33.0 16.4 49.2

Manual Integrations

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

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

500000

400000

300000

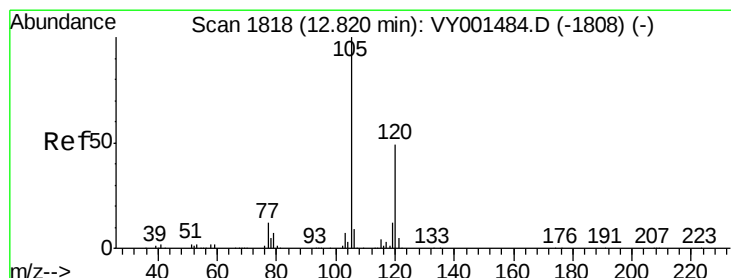
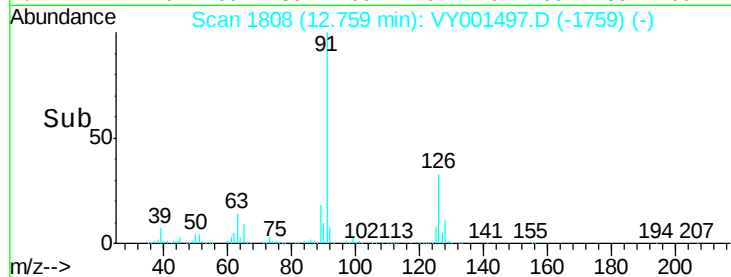
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.462 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001497.D

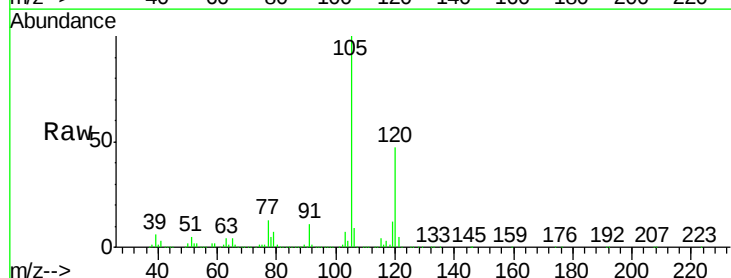
Acq: 04 Feb 2020 19:12

Tgt Ion: 105 Resp: 570797

Ion Ratio Lower Upper

105 100

120 47.9 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) (-)

400000

300000

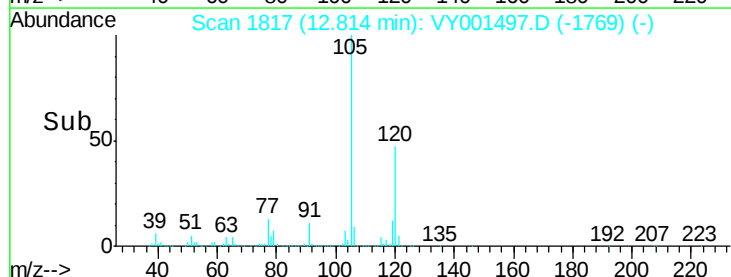
200000

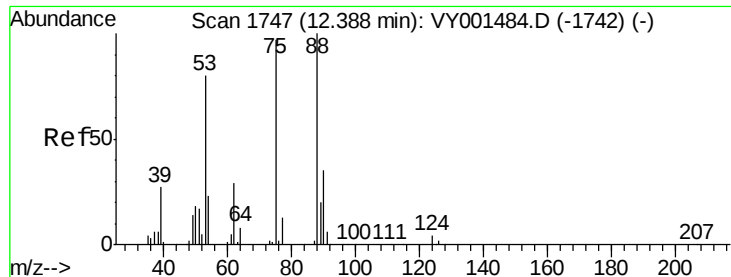
100000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.039 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

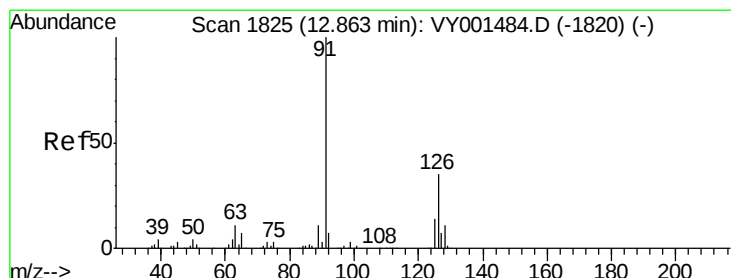
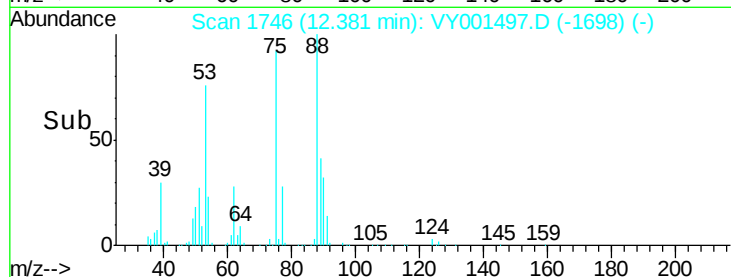
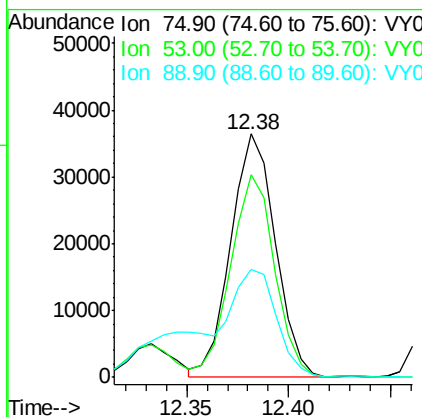
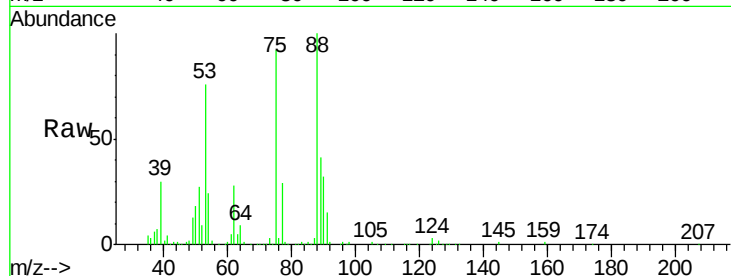
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54742
Ion	Ratio	Lower	Upper
75	100		
53	82.0	67.7	101.5
89	45.6	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.465 ug/l

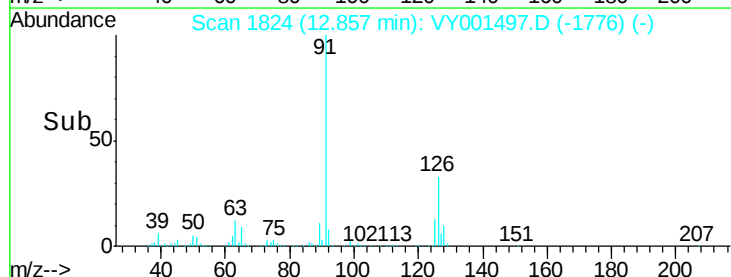
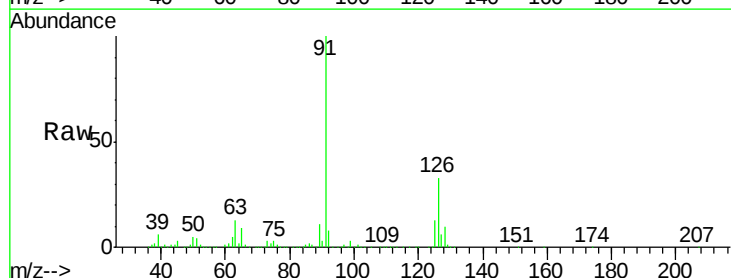
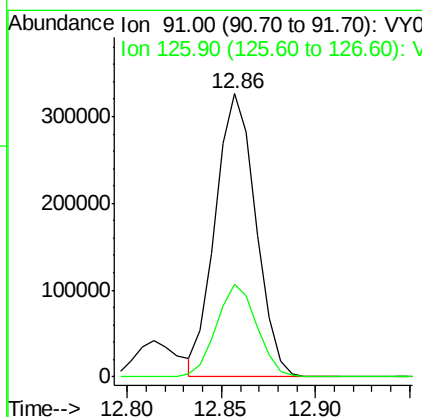
RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Tgt Ion:	91	Resp:	484949
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.5	49.5





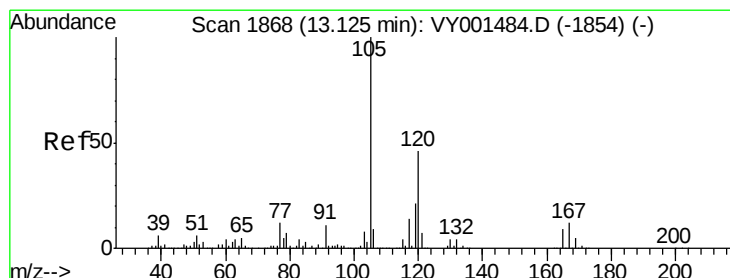
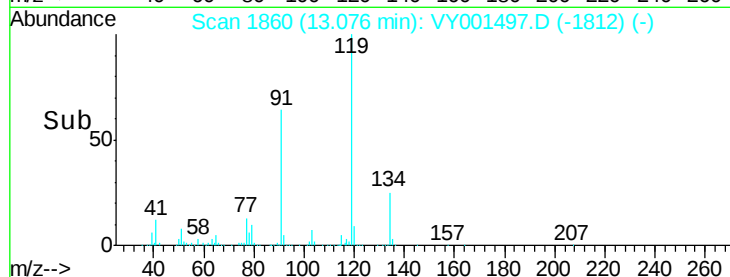
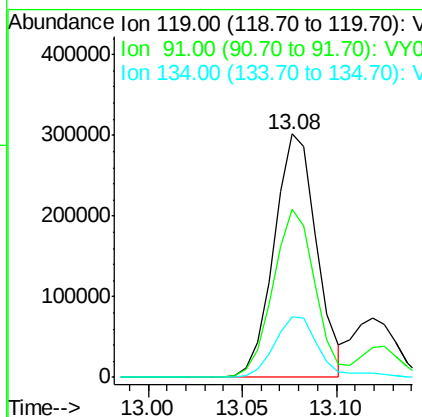
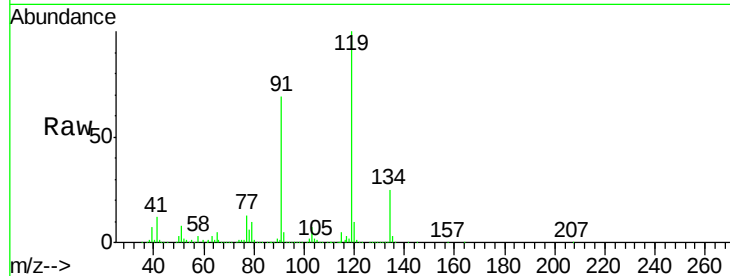
#83
tert-Butylbenzene
Concen: 50.302 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	471605		
91	68.7	33.1	99.3	
134	26.5	13.0	39.0	

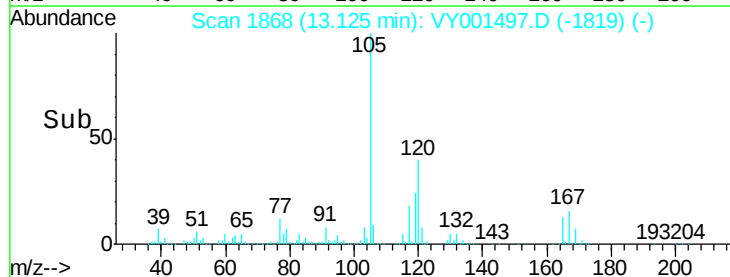
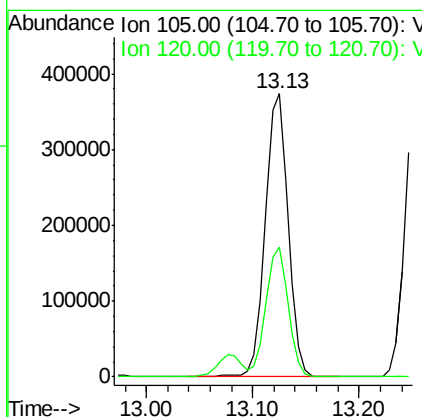
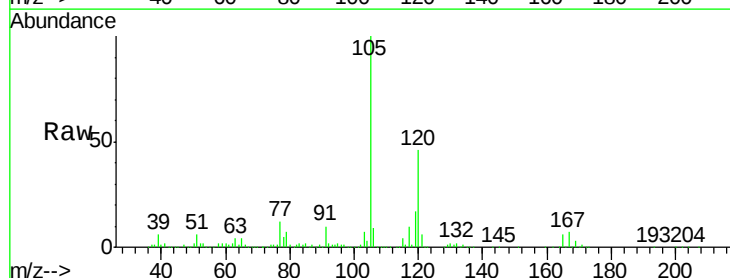
Manual Integrations
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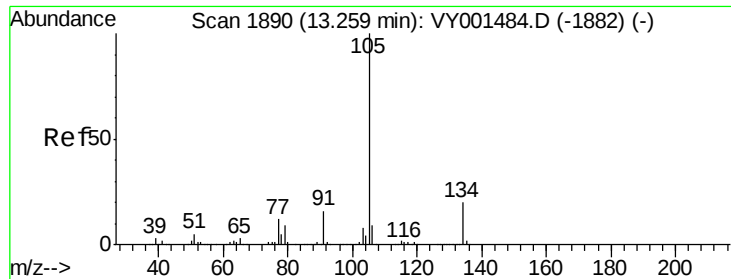
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.331 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	563505		
120	44.8	22.4	67.0	





#85

sec-Butylbenzene

Concen: 51.120 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 673844

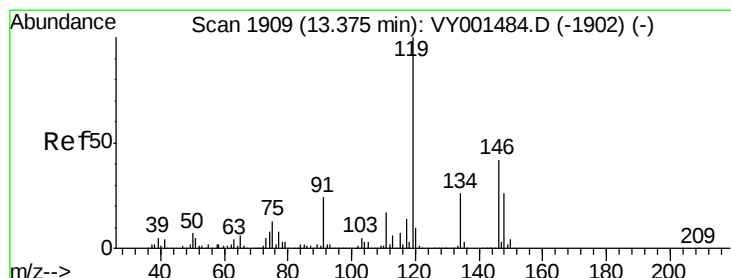
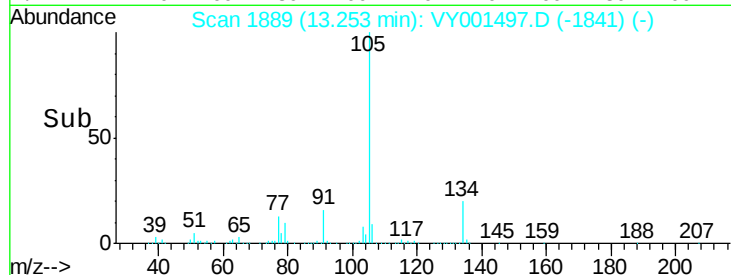
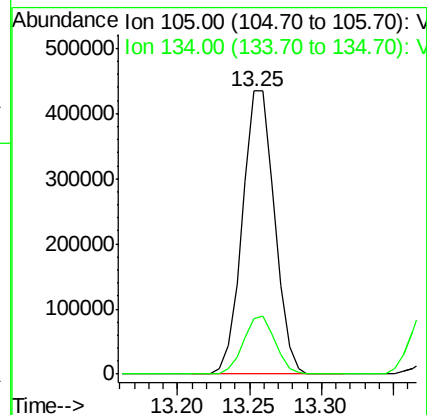
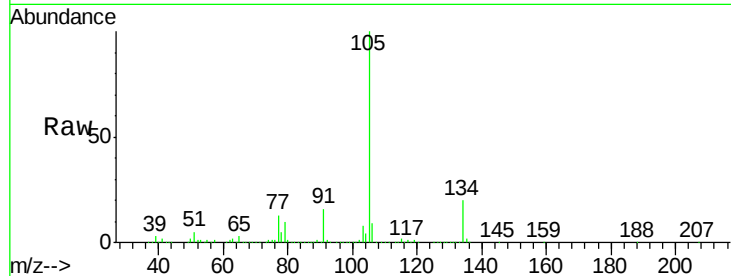
Ion Ratio Lower Upper

105 100

134 20.1 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 51.260 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001497.D

Acq: 04 Feb 2020 19:12

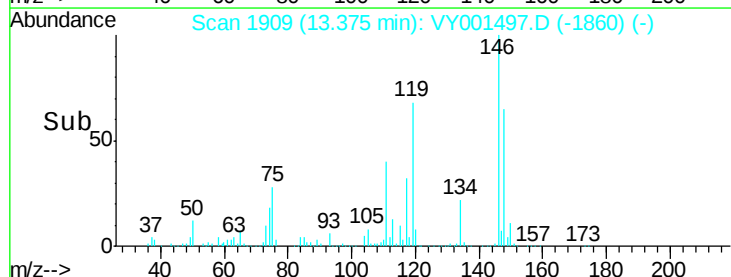
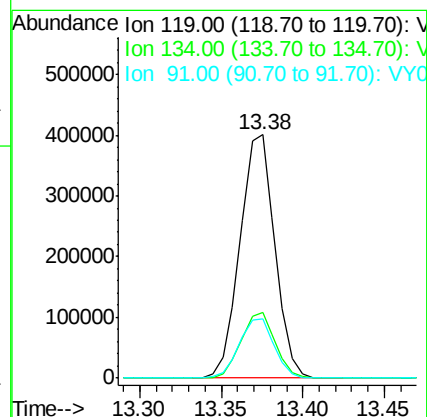
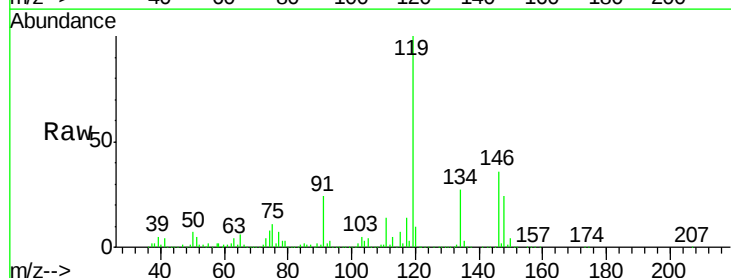
Tgt Ion:119 Resp: 595432

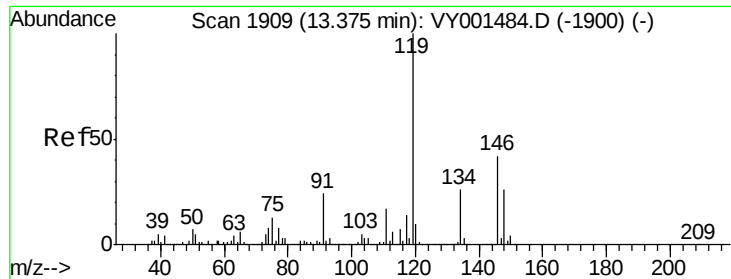
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.5 12.2 36.6





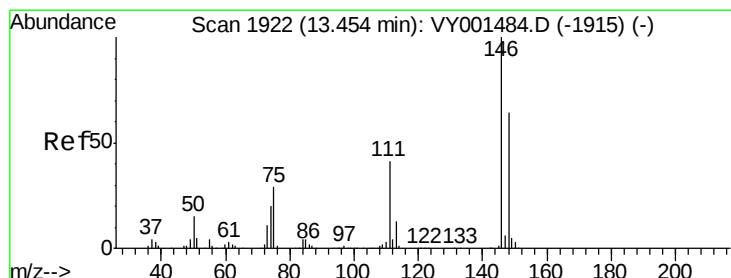
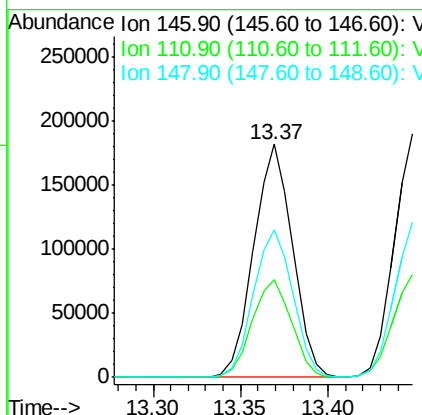
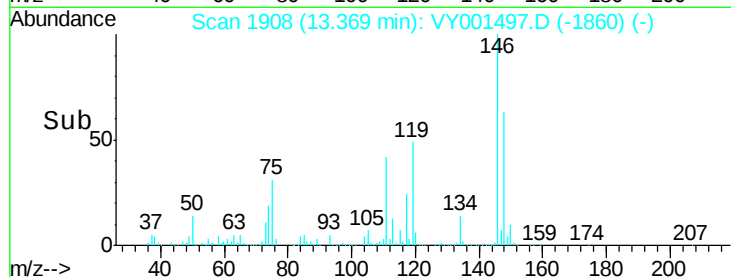
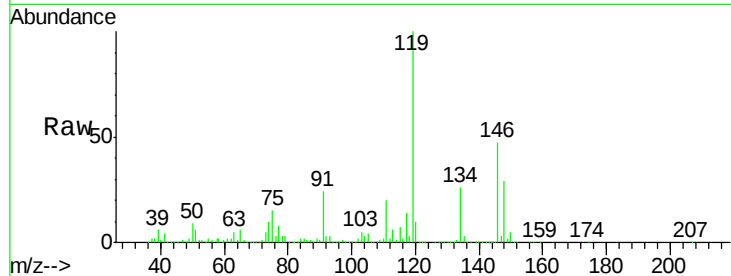
#87
 1,3-Dichlorobenzene
 Concen: 51.328 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.3	31.9	95.7

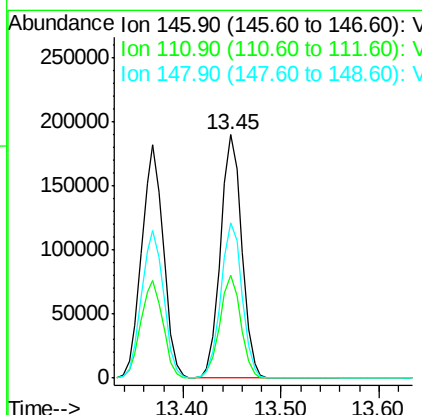
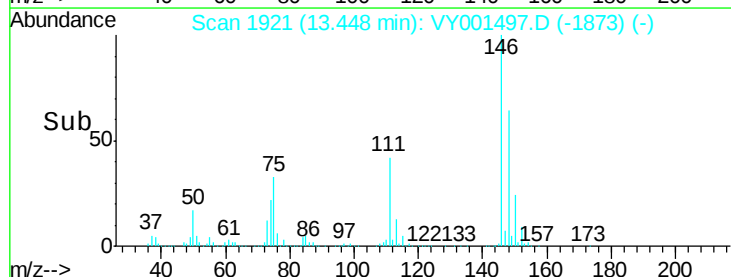
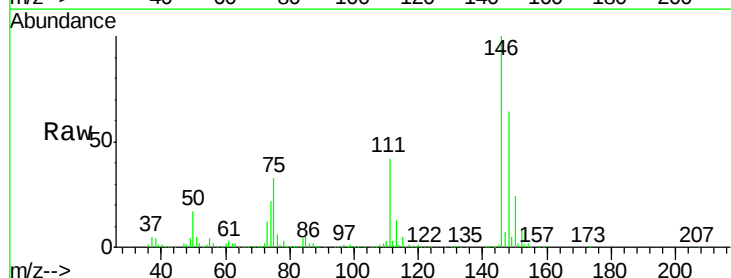
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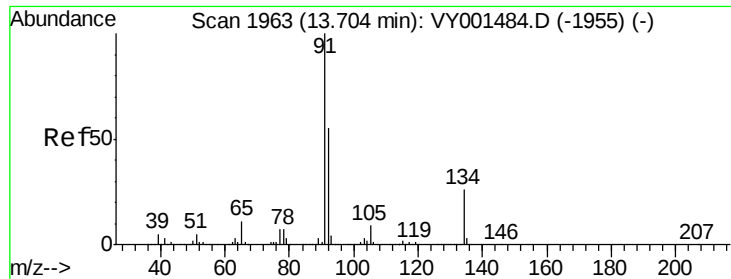
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#88
 1,4-Dichlorobenzene
 Concen: 52.367 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.8	32.1	96.5





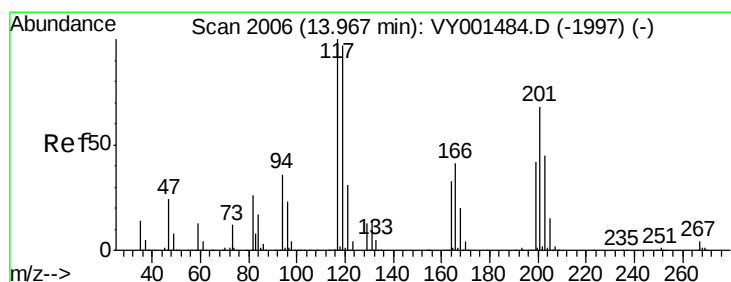
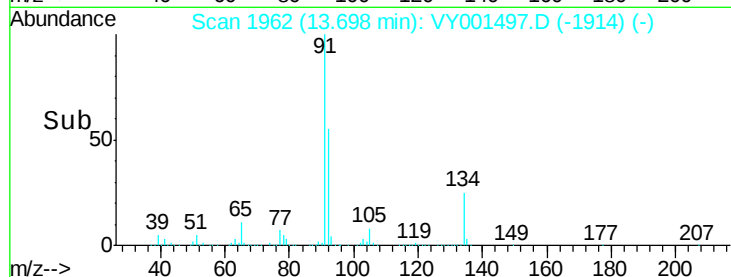
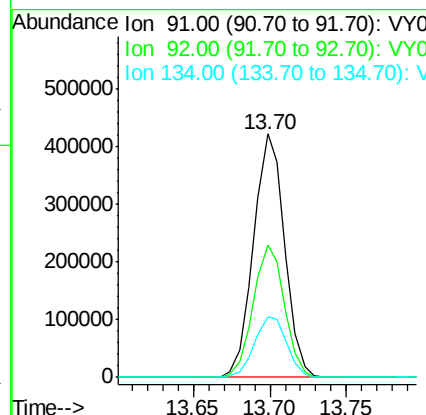
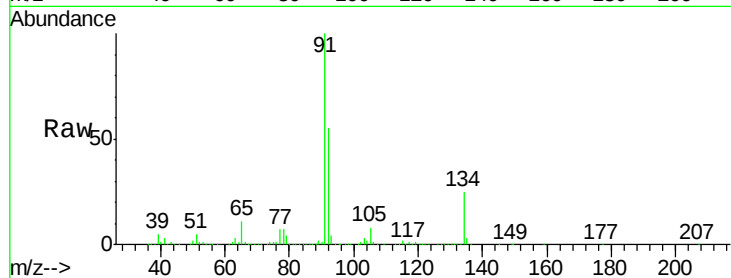
#89
n-Butylbenzene
Concen: 51.980 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.3	81.9
134	25.9	13.0	38.9

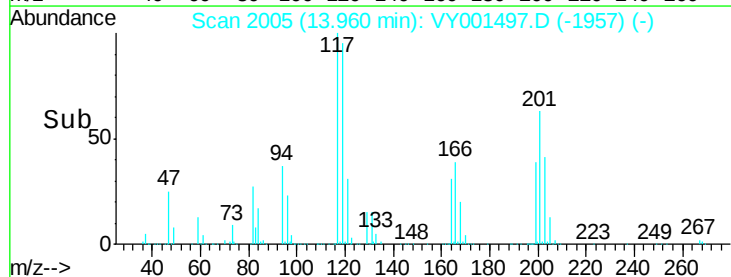
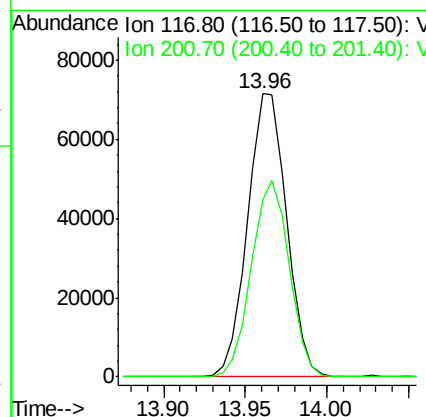
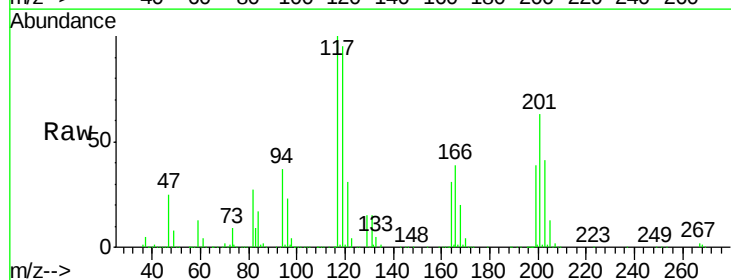
Manual Integrations
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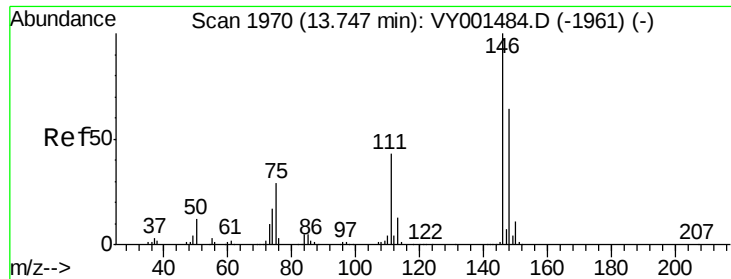
MMDadoda
2/5/2020 12:24:09 PM



#90
Hexachloroethane
Concen: 53.488 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.1	102.3





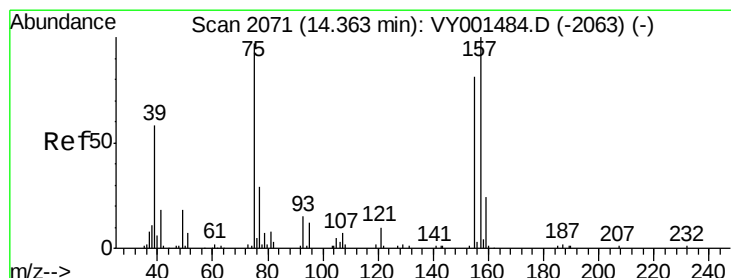
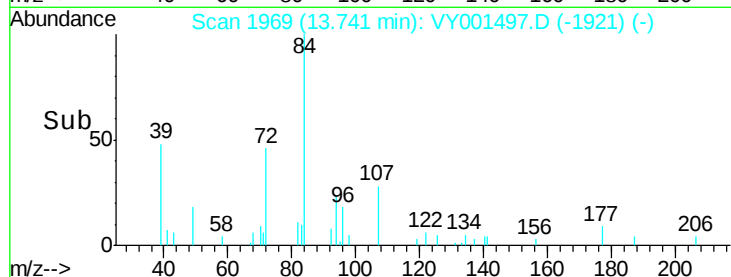
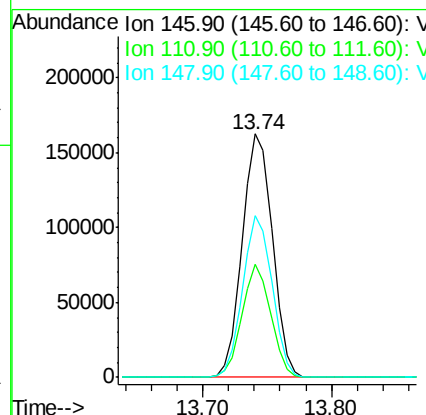
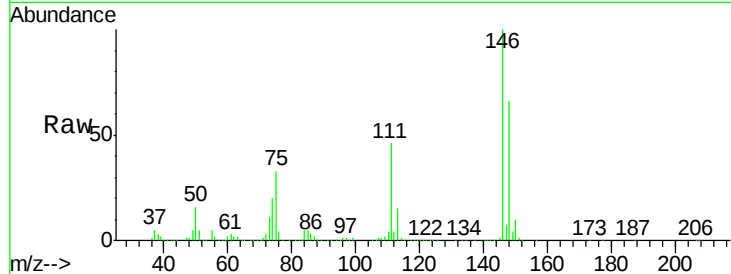
#91
 1,2-Dichlorobenzene
 Concen: 53.226 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	64.7	31.8	95.3

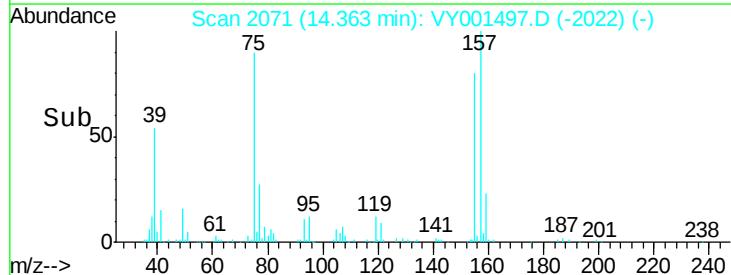
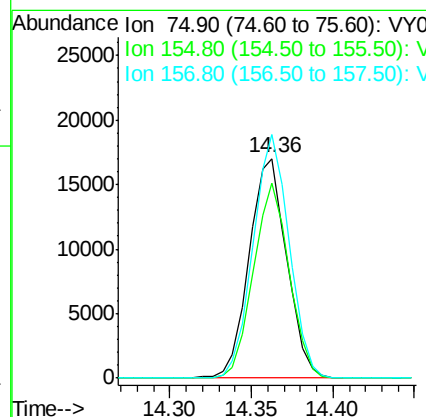
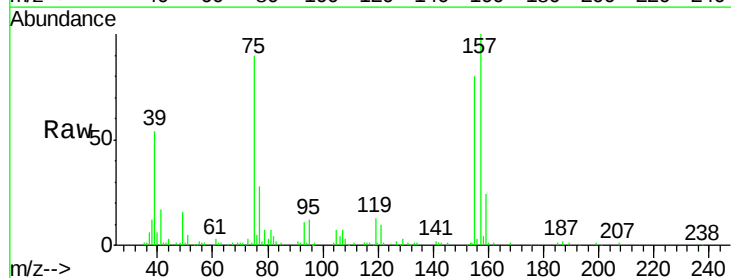
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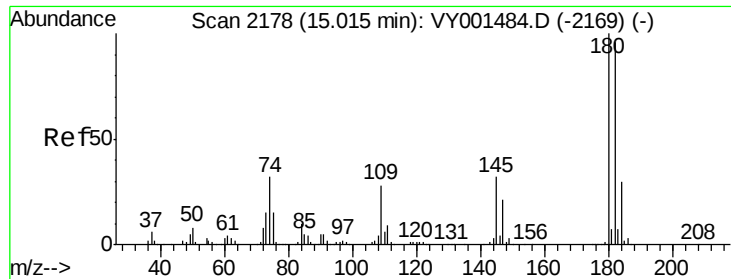
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.091 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	40.7	122.1
157	106.3	52.3	157.1





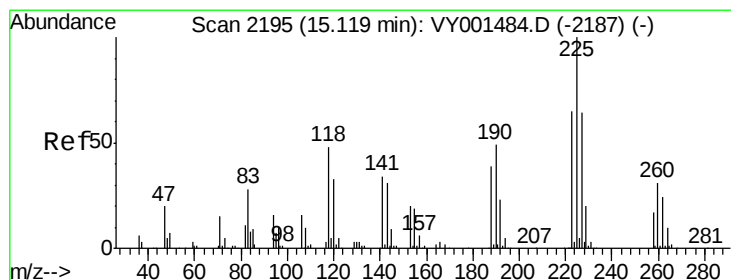
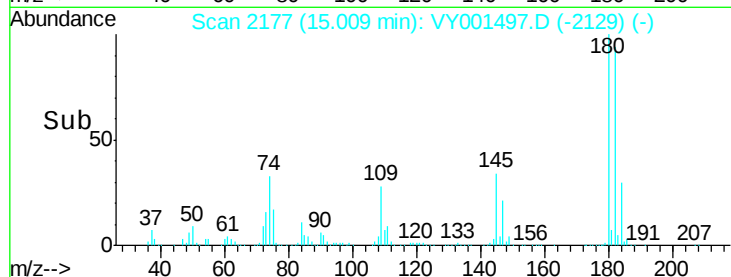
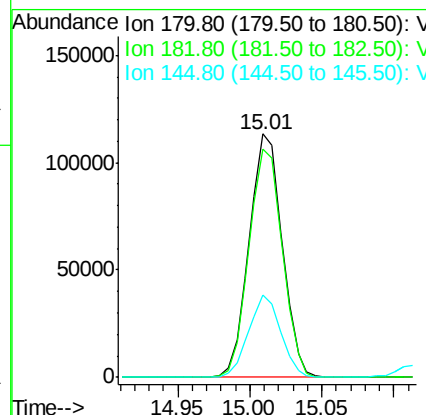
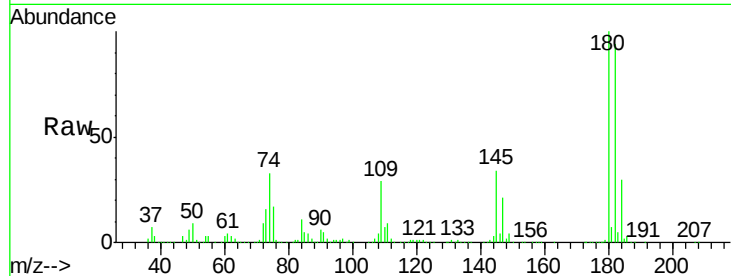
#93
 1,2,4-Trichlorobenzene
 Concen: 53.773 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179373		
182	94.9	46.9	140.7	
145	33.3	16.8	50.3	

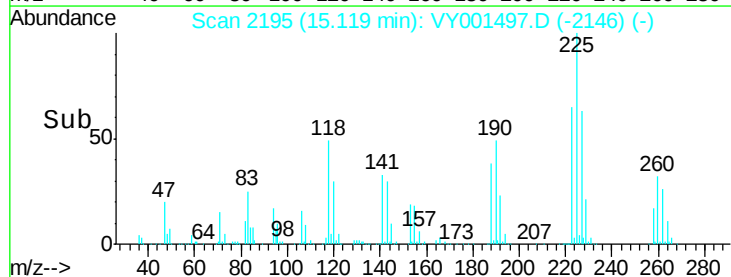
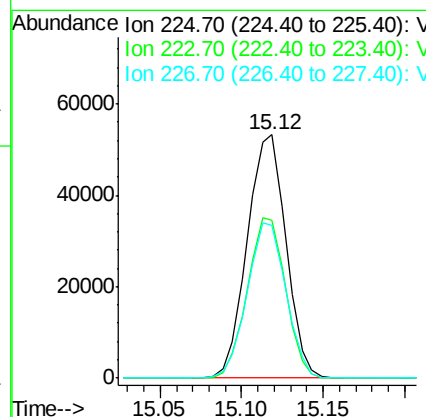
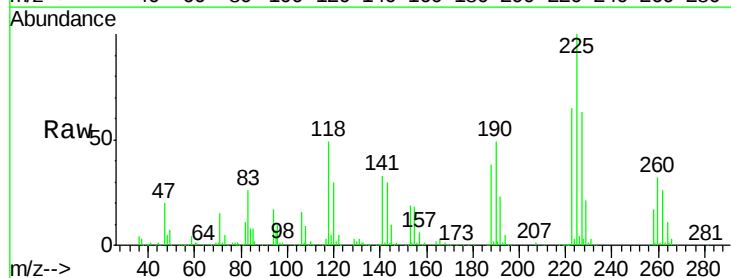
Manual Integrations
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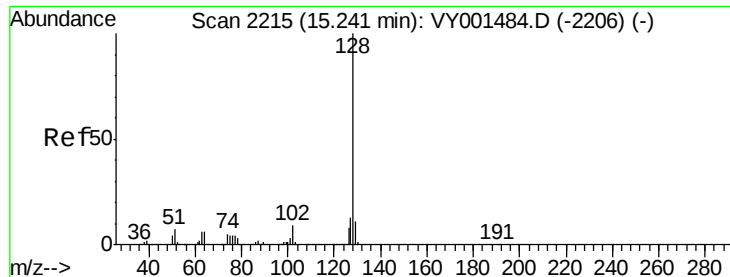
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#94
 Hexachlorobutadiene
 Concen: 51.925 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001497.D
 Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87908		
223	65.0	31.9	95.7	
227	63.9	32.6	97.7	





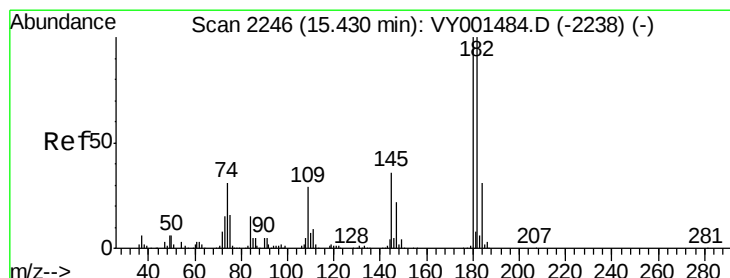
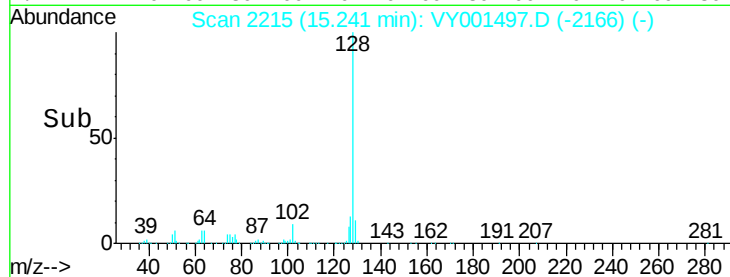
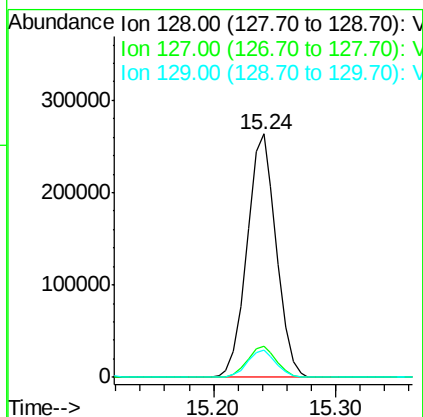
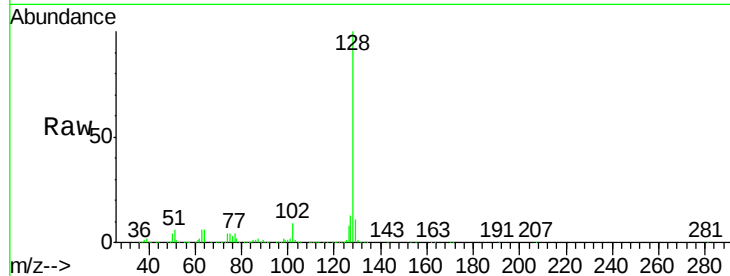
#95
Naphthalene
Concen: 55.612 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 54.187 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001497.D
Acq: 04 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	35.1	17.8	53.5

