

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000289.D
 Acq On : 11 Oct 2019 22:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:34:19 PM

Quant Time: Oct 14 08:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	275951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	490320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	443402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	214089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	166670	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	
35) Dibromofluoromethane	7.73	113	145816	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.19	98	576417	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.48	95	211660	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	55557	23.147	ug/l	98
3) Chloromethane	2.12	50	68631	20.353	ug/l	98
4) Vinyl Chloride	2.25	62	70127	20.607	ug/l	95
5) Bromomethane	2.63	94	60182	23.862	ug/l	94
6) Chloroethane	2.79	64	46207	21.044	ug/l	96
7) Trichlorofluoromethane	3.13	101	97096	20.858	ug/l	98
8) Diethyl Ether	3.53	74	40551	24.658	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59102	20.935	ug/l	99
10) Methyl Iodide	4.09	142	59346	15.594	ug/l	99
11) Tert butyl alcohol	4.98	59	34545	113.402	ug/l	97
12) 1,1-Dichloroethene	3.87	96	58615	21.031	ug/l	97
13) Acrolein	3.73	56	36262	101.535	ug/l	99
14) Allyl chloride	4.48	41	102367	22.164	ug/l	95
15) Acrylonitrile	5.18	53	101934	110.743	ug/l	95
16) Acetone	3.95	43	83671	88.761	ug/l	97
17) Carbon Disulfide	4.19	76	181708	20.707	ug/l	99
18) Methyl Acetate	4.49	43	57706	24.638	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	182121	23.474	ug/l	94
20) Methylene Chloride	4.72	84	74329	20.158	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	68657	21.472	ug/l	93
22) Diisopropyl ether	6.13	45	226900	23.228	ug/l	99
23) Vinyl Acetate	6.07	43	705865	110.762	ug/l	99
24) 1,1-Dichloroethane	6.03	63	120703	22.637	ug/l	97
25) 2-Butanone	7.00	43	140787	106.022	ug/l	99
26) 2,2-Dichloropropane	6.99	77	97746	19.894	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	81127	23.447	ug/l	95
28) Bromochloromethane	7.34	49	49470	21.612	ug/l	98
29) Tetrahydrofuran	7.36	42	91701	113.948	ug/l	98
30) Chloroform	7.52	83	118987	22.159	ug/l	96
31) Cyclohexane	7.80	56	114623	20.582	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	100842	21.124	ug/l	99
36) 1,1-Dichloropropene	7.93	75	90478	18.847	ug/l	99
37) Ethyl Acetate	7.08	43	56078	19.728	ug/l	98
38) Carbon Tetrachloride	7.91	117	87631	18.853	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	119909	19.085	ug/l	94
40) Benzene	8.17	78	281528	20.293	ug/l	99
41) Methacrylonitrile	7.32	41	25181m	18.611	ug/l	
42) 1,2-Dichloroethane	8.25	62	84891	21.422	ug/l	99
43) Isopropyl Acetate	8.28	43	112665	20.845	ug/l	98
44) Trichloroethene	8.95	130	77290	19.856	ug/l	97
45) 1,2-Dichloropropane	9.22	63	71775	21.082	ug/l	95
46) Dibromomethane	9.32	93	40109	21.075	ug/l	96
47) Bromodichloromethane	9.50	83	93995	20.957	ug/l	97
48) Methyl methacrylate	9.30	41	49663	20.967	ug/l	98
49) 1,4-Dioxane	9.30	88	11532	404.125	ug/l #	93
51) 4-Methyl-2-Pentanone	10.08	43	300327	107.735	ug/l	99
52) Toluene	10.25	92	174973	19.865	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	100057	20.816	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	113253	20.747	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	56596	20.453	ug/l	96
56) Ethyl methacrylate	10.52	69	83852	21.260	ug/l	99
57) 1,3-Dichloropropane	10.80	76	103938	21.871	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	202291	128.585	ug/l	100
59) 2-Hexanone	10.84	43	204234	104.378	ug/l	99
60) Dibromochloromethane	10.99	129	63427	20.680	ug/l	97
61) 1,2-Dibromoethane	11.09	107	55855	21.022	ug/l	99
64) Tetrachloroethene	10.72	164	84926	20.119	ug/l	96
65) Chlorobenzene	11.52	112	188564	20.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	67302	20.474	ug/l	98
67) Ethyl Benzene	11.60	91	340413	19.624	ug/l	99
68) m/p-Xylenes	11.71	106	258691	39.009	ug/l	99
69) o-Xylene	12.03	106	124537	19.686	ug/l	98
70) Styrene	12.05	104	212121	19.882	ug/l	99
71) Bromoform	12.20	173	39400	20.850	ug/l #	100
73) Isopropylbenzene	12.33	105	328455	19.676	ug/l	100
74) N-amyl acetate	12.14	43	90718	22.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	63280	20.190	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	44407m	16.868	ug/l	
77) Bromobenzene	12.61	156	76010	20.462	ug/l	99
78) n-propylbenzene	12.67	91	392724	19.594	ug/l	99
79) 2-Chlorotoluene	12.75	91	226106	20.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	278038	19.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21004	17.457	ug/l	92
82) 4-Chlorotoluene	12.86	91	234931	20.079	ug/l	99
83) tert-Butylbenzene	13.08	119	230912	19.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	278614	20.167	ug/l	100
85) sec-Butylbenzene	13.25	105	337686	19.692	ug/l	99
86) p-Isopropyltoluene	13.37	119	292496	19.565	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	145184	19.837	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	145037	19.826	ug/l	97
89) n-Butylbenzene	13.70	91	280230	18.968	ug/l	99
90) Hexachloroethane	13.96	117	54681	19.752	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	136122	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12414	20.884	ug/l	97

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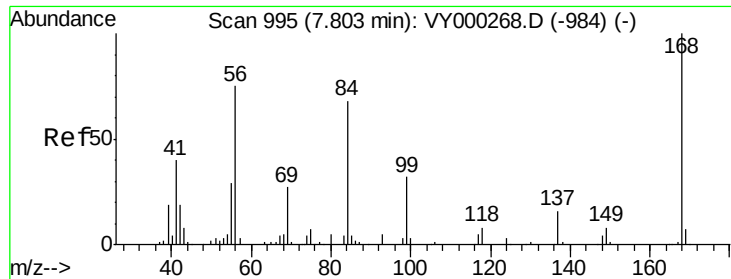
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	91737	19.893	ug/l	100
94) Hexachlorobutadiene	15.11	225	46146	18.491	ug/l	97
95) Naphthalene	15.23	128	303592	29.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	83617	20.119	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 275951

Ion Ratio Lower Upper

168 100

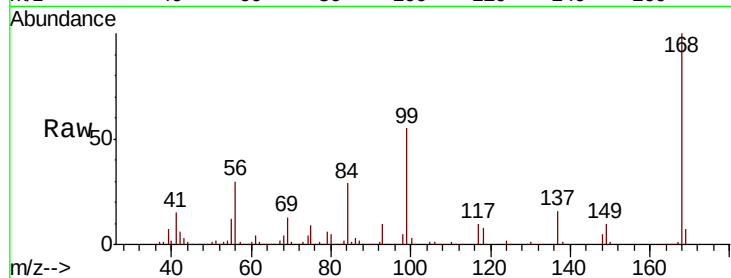
99 54.8 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

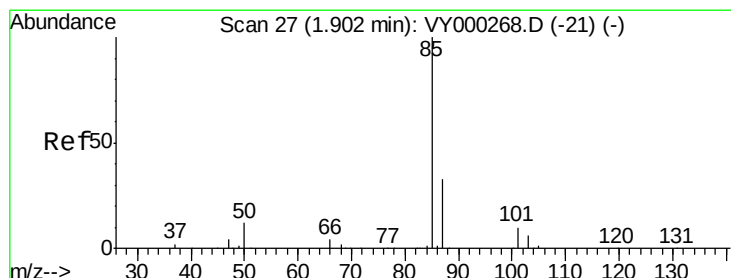
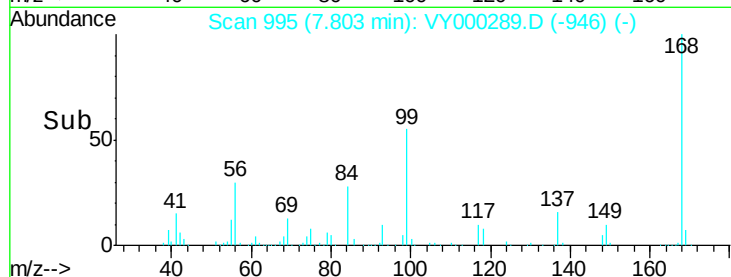
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.147 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000289.D

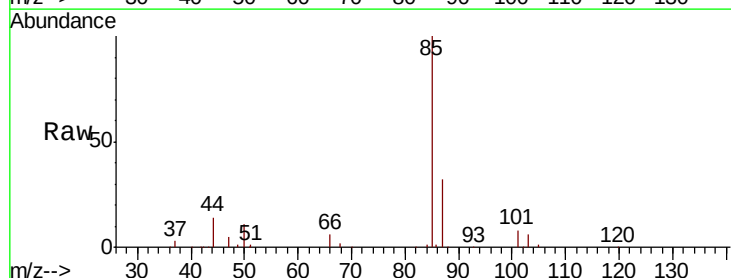
Acq: 11 Oct 2019 22:25

Tgt Ion: 85 Resp: 55557

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

30000

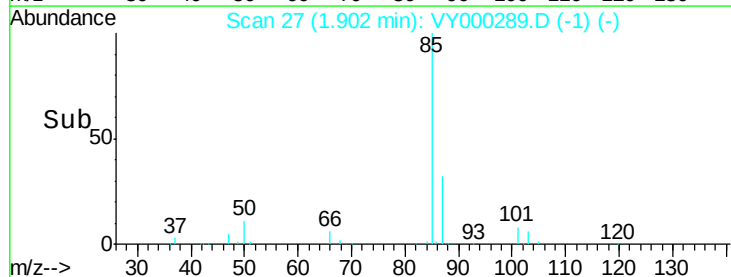
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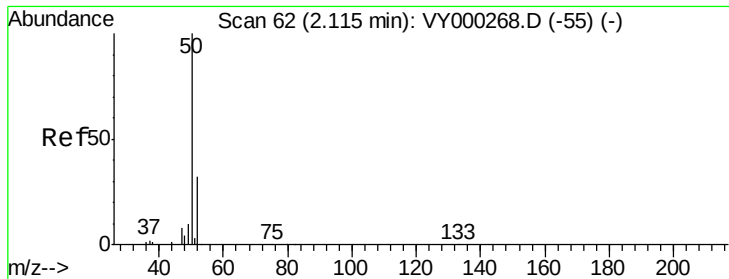
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.353 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 68631

Ion Ratio Lower Upper

50 100

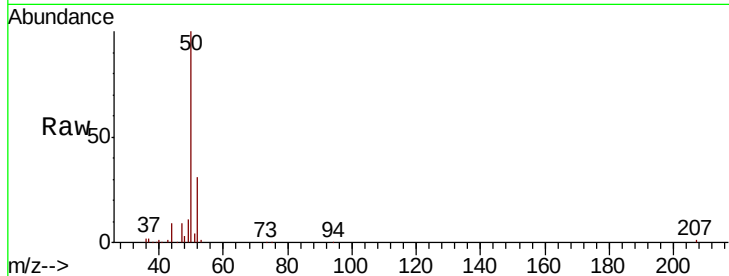
52 30.7 25.3 37.9

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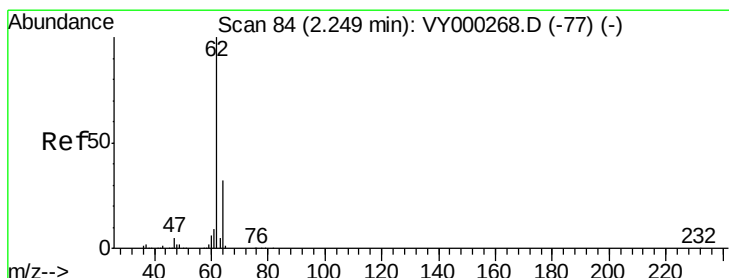
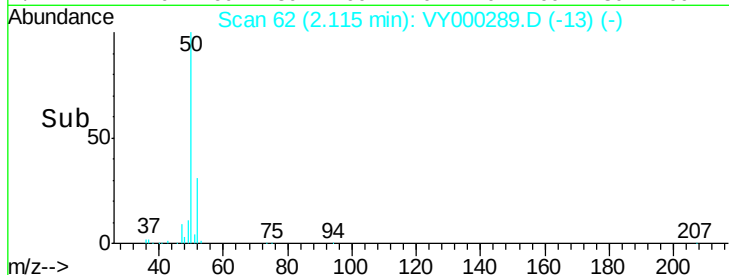
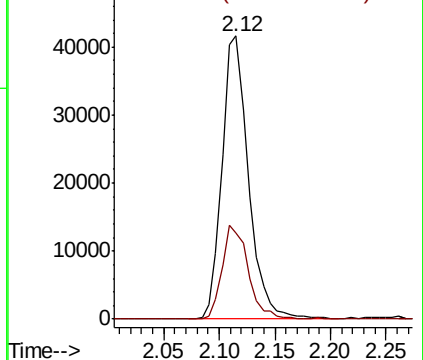
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.607 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000289.D

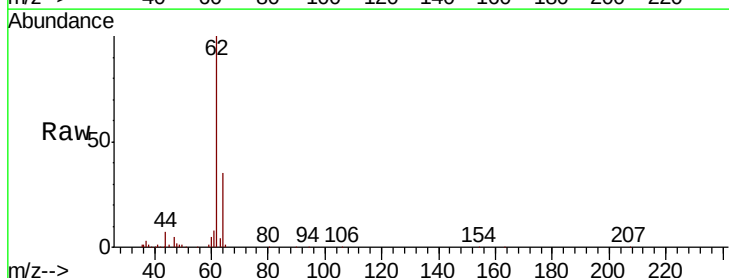
Acq: 11 Oct 2019 22:25

Tgt Ion: 62 Resp: 70127

Ion Ratio Lower Upper

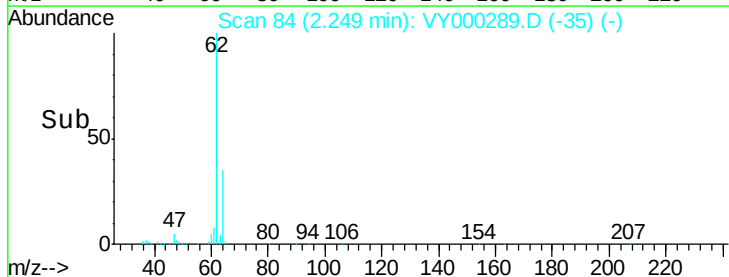
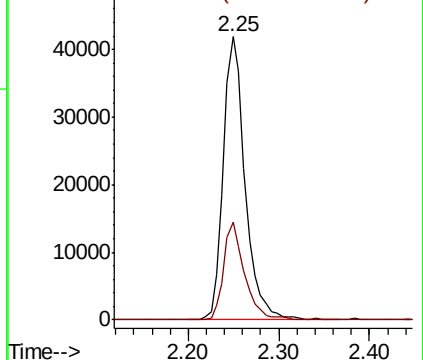
62 100

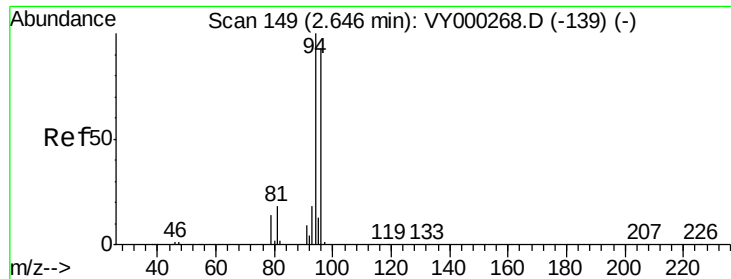
64 34.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 23.862 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60182

Ion Ratio Lower Upper

94 100

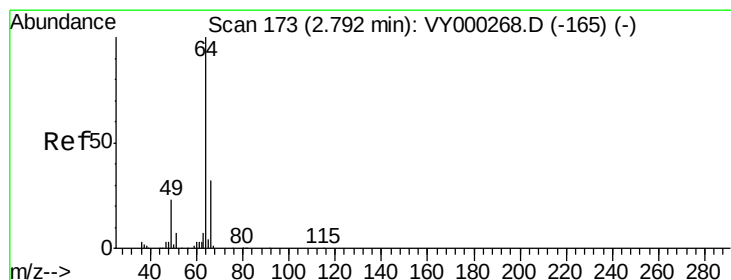
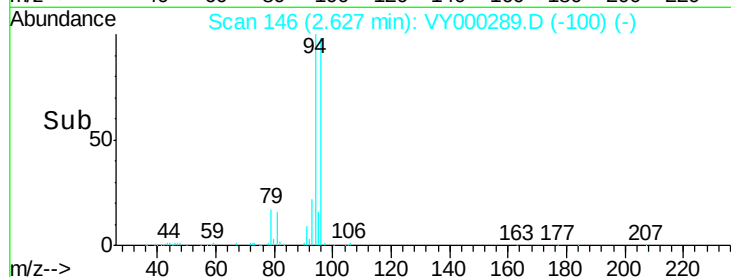
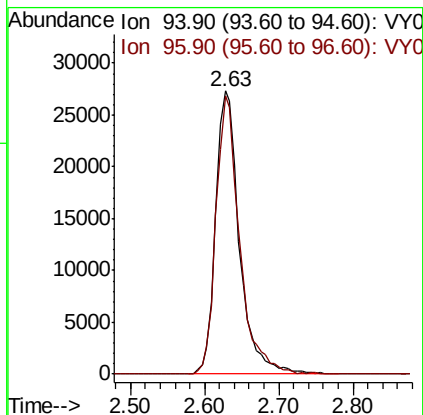
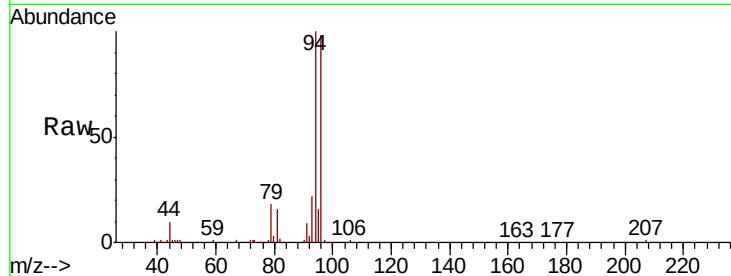
96 98.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 21.044 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000289.D

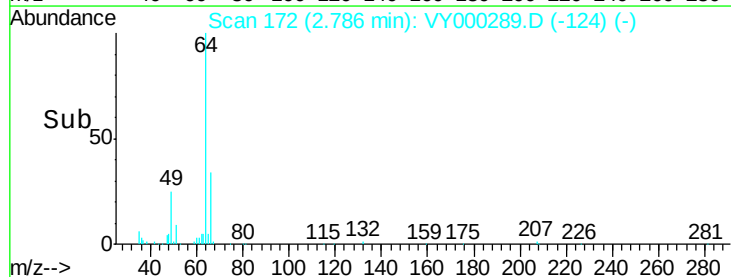
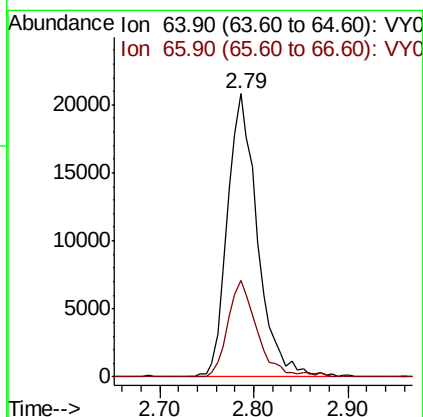
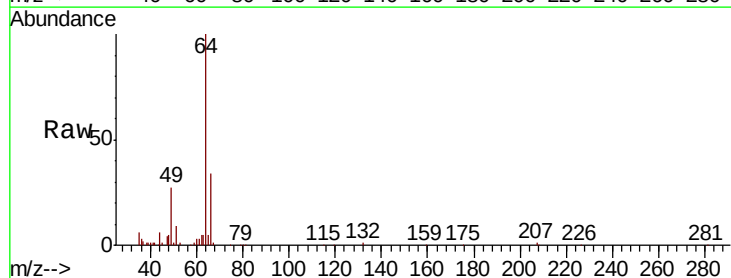
Acq: 11 Oct 2019 22:25

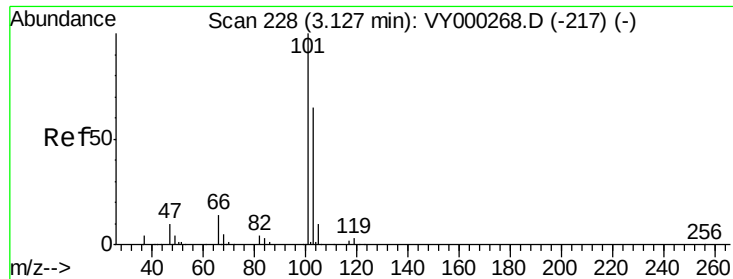
Tgt Ion: 64 Resp: 46207

Ion Ratio Lower Upper

64 100

66 34.1 25.6 38.4





#7

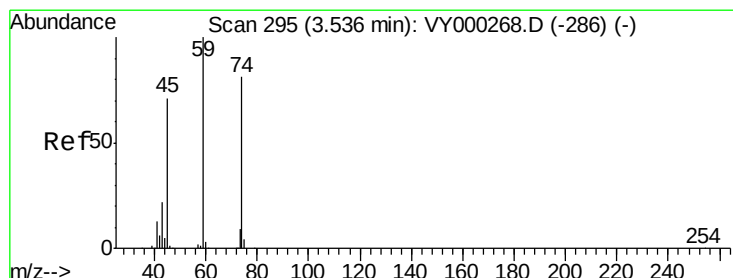
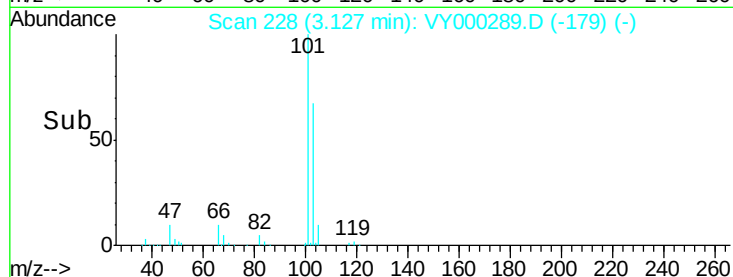
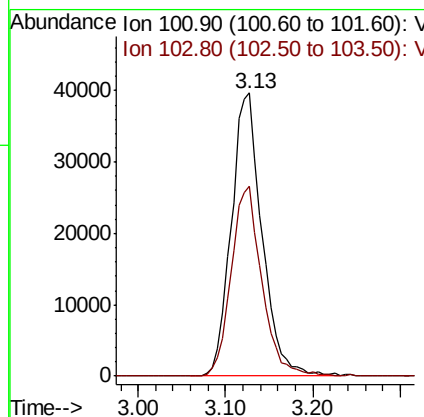
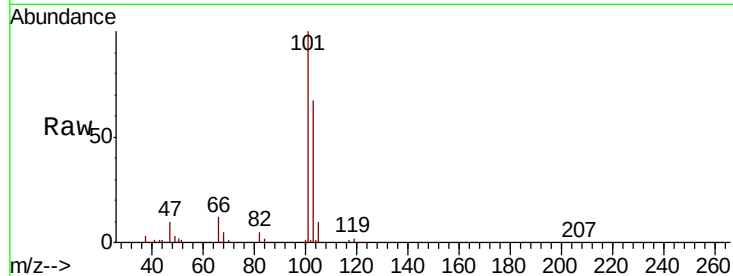
Trichlorofluoromethane
Concen: 20.858 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.4

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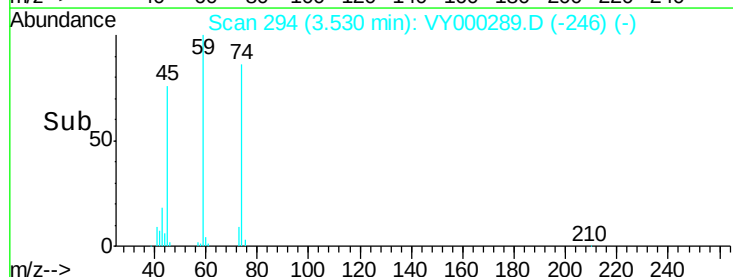
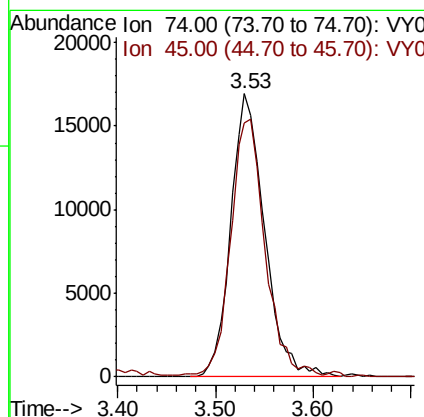
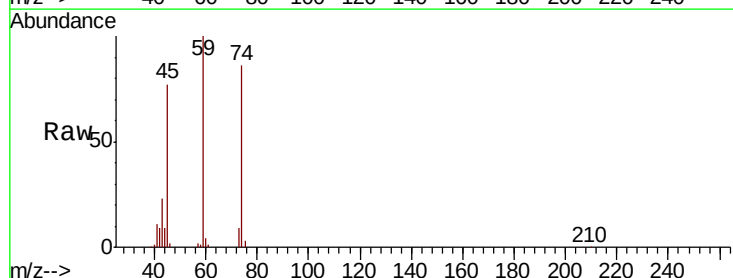
MMDadoda
10/15/2019 12:34:19 PM

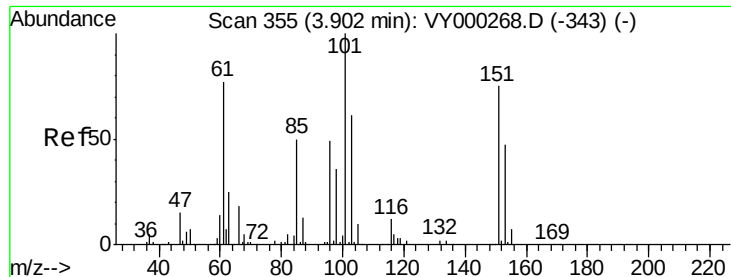


#8

Diethyl Ether
Concen: 24.658 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.935 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000289.D

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MSVOA_Y

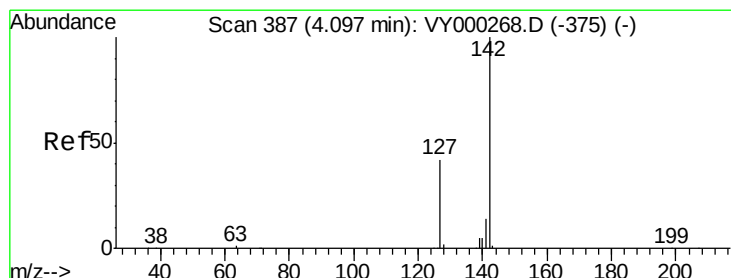
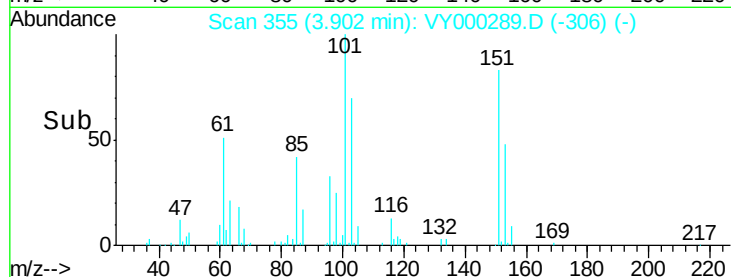
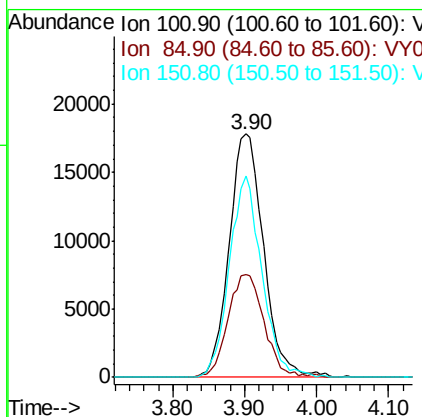
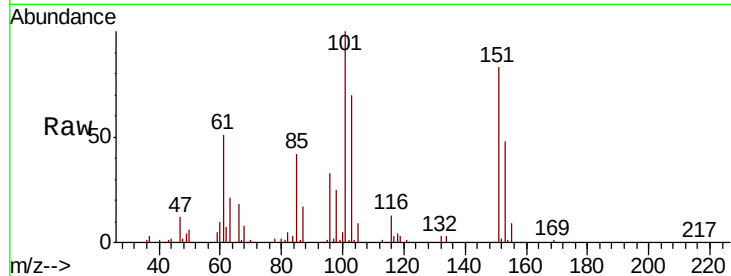
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	59102
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	55.0
151	78.3	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.594 ug/l

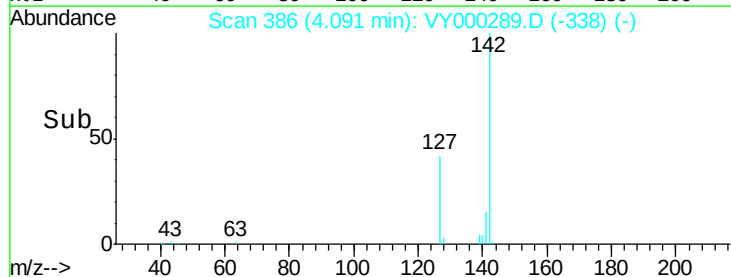
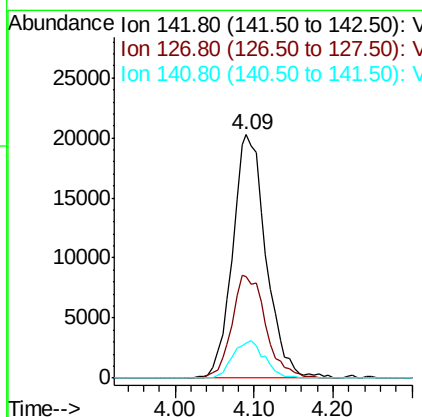
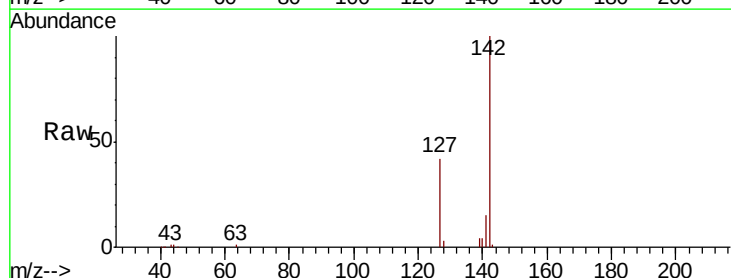
RT: 4.09 min Scan# 386

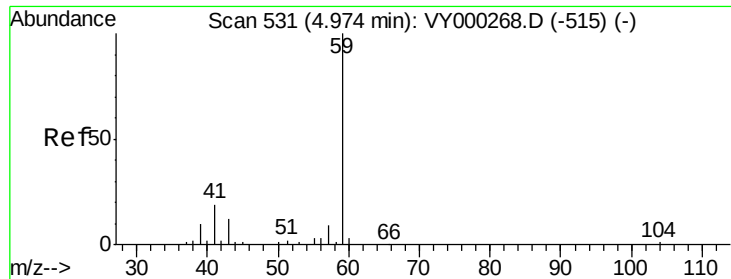
Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	142	Resp:	59346
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.9	50.9
141	14.7	11.2	16.8





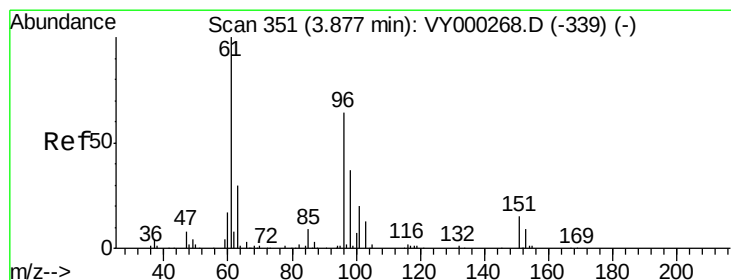
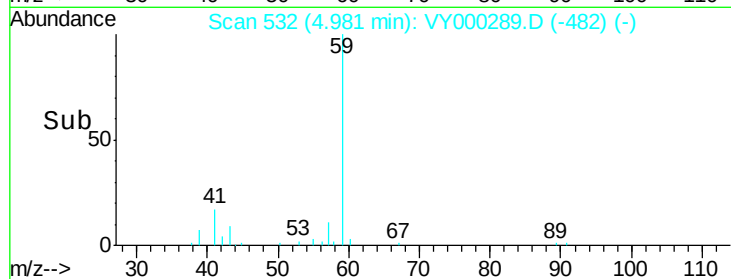
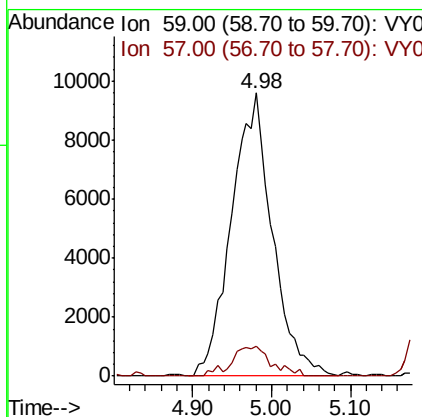
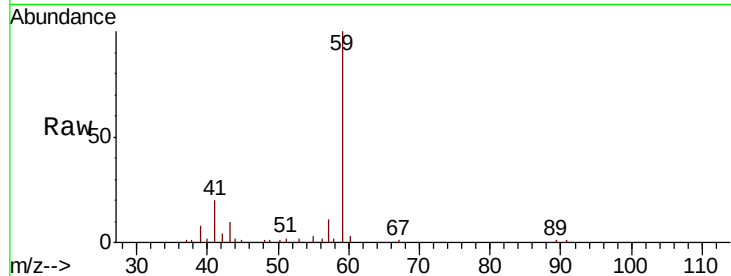
#11
Tert butyl alcohol
Concen: 113.402 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.2

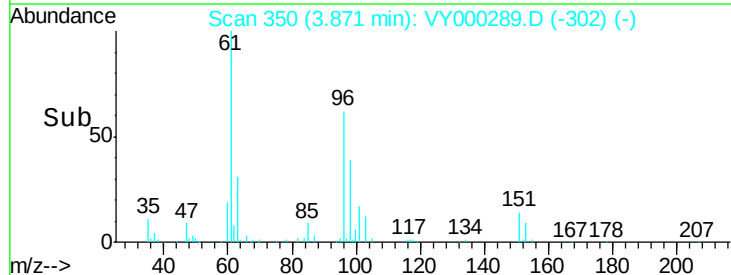
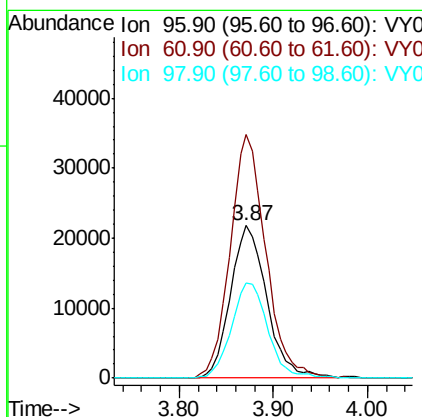
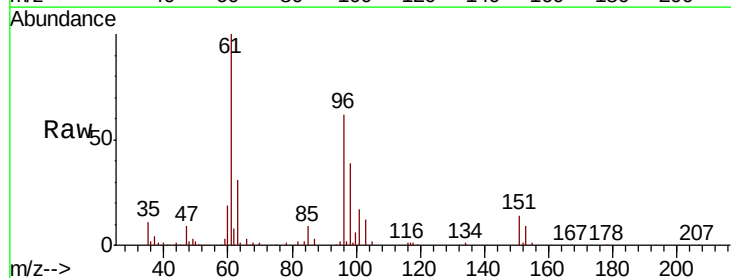
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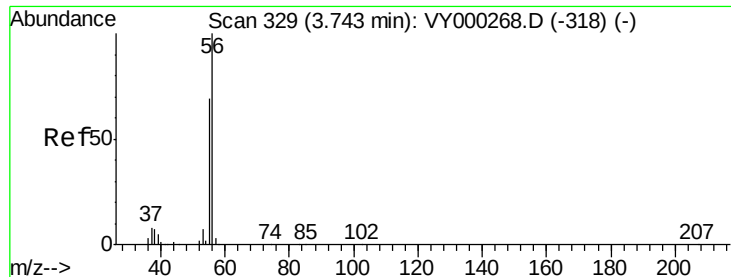
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#12
1,1-Dichloroethene
Concen: 21.031 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	125.8	188.6
98	62.7	46.2	69.2





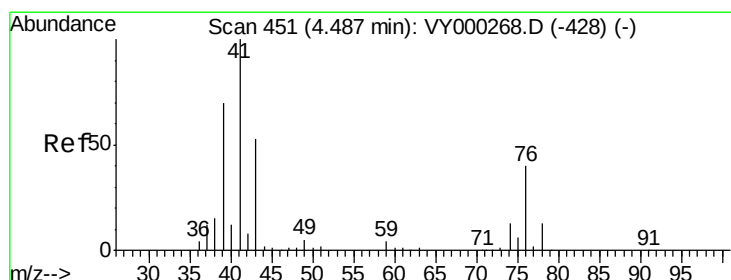
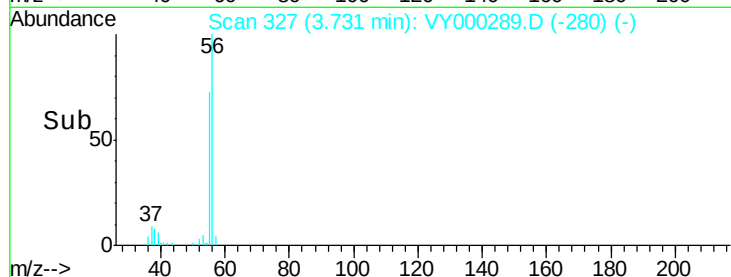
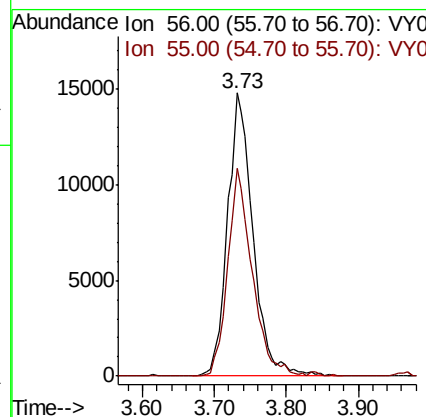
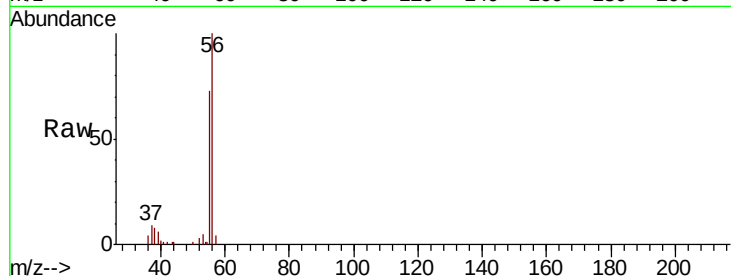
#13
Acrolein
Concen: 101.535 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	36262
Ion Ratio	100	Lower	Upper
56	100		
55	70.8	55.7	83.5

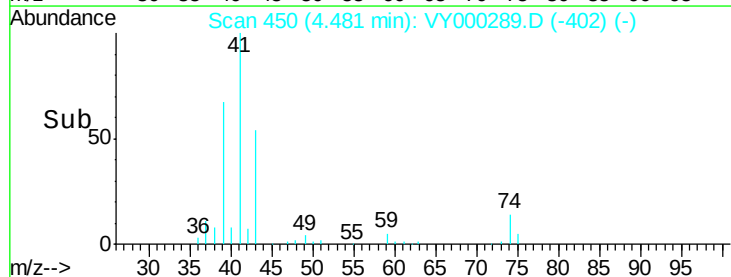
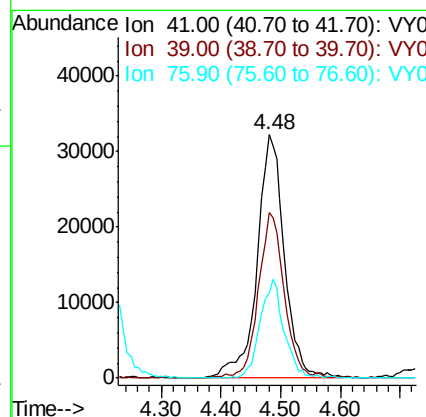
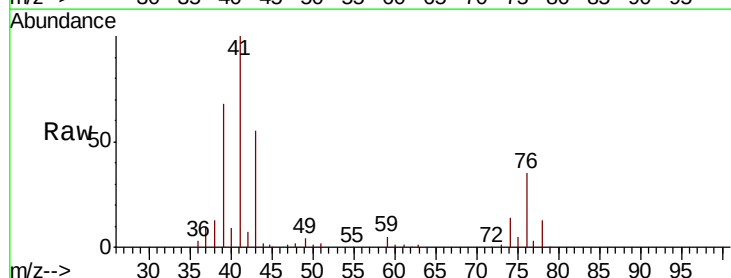
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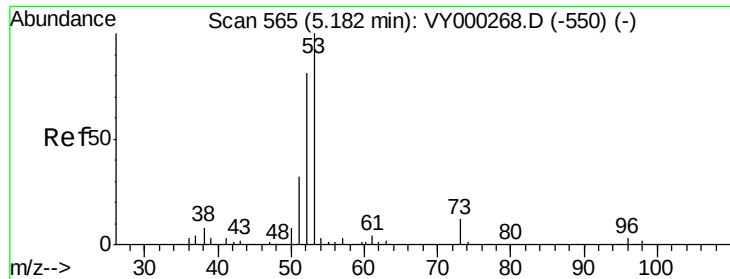
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#14
Allyl chloride
Concen: 22.164 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	41	Resp	102367
Ion Ratio	100	Lower	Upper
41	100		
39	64.1	54.0	81.0
76	35.3	30.7	46.1





#15

Acrylonitrile

Concen: 110.743 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

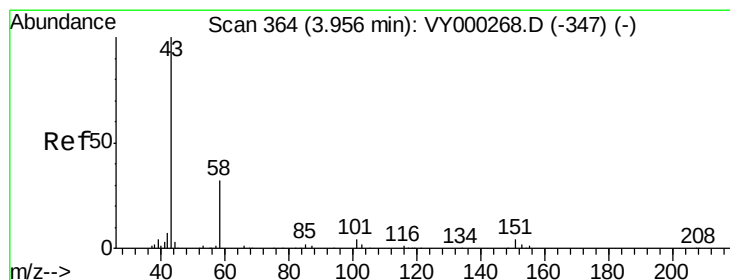
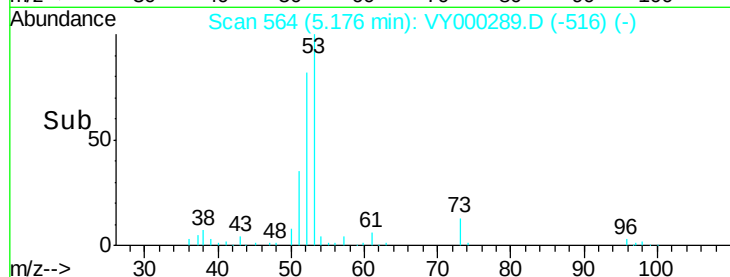
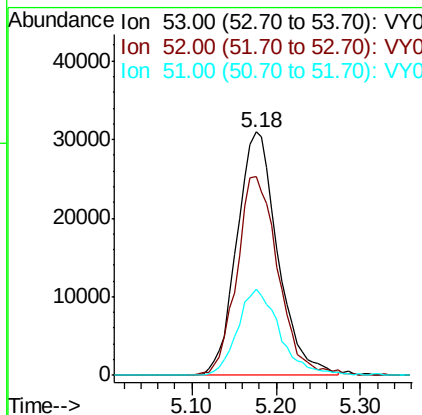
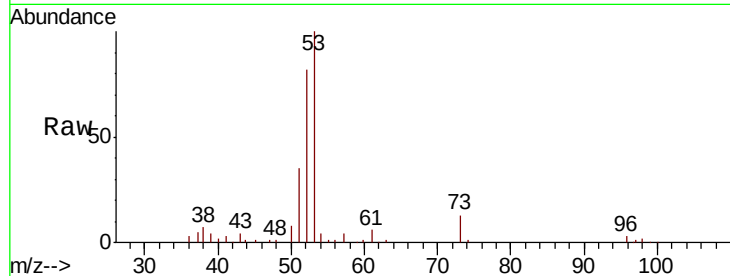
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	101934
Ion Ratio	Lower	Upper	
53	100		
52	82.6	62.9	94.3
51	36.7	26.9	40.3

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#16

Acetone

Concen: 88.761 ug/l

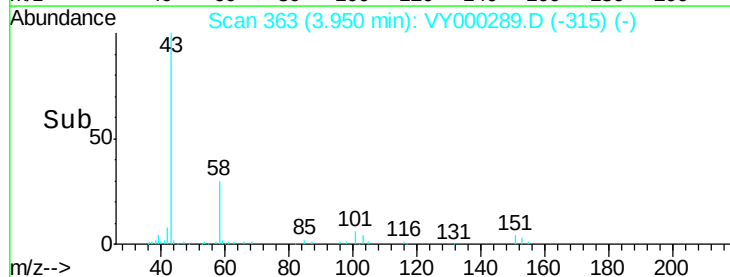
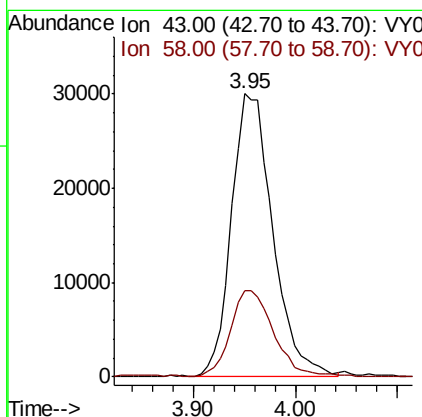
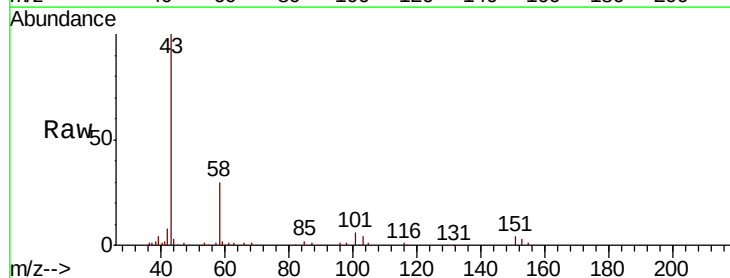
RT: 3.95 min Scan# 363

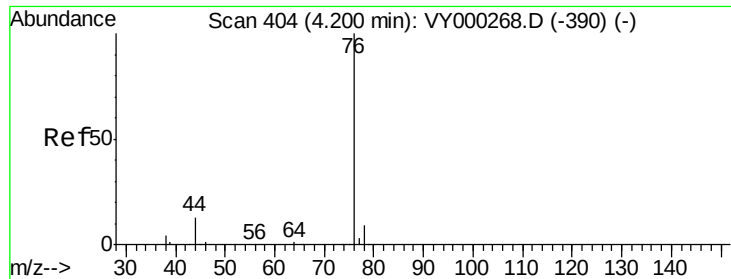
Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	43	Resp:	83671
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.8	38.6





#17

Carbon Disulfide

Concen: 20.707 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 181708

Ion Ratio Lower Upper

76 100

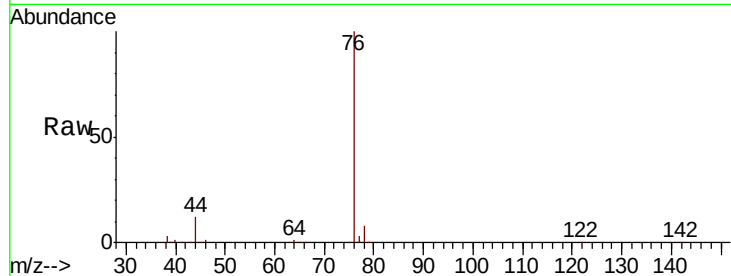
78 8.4 7.0 10.4

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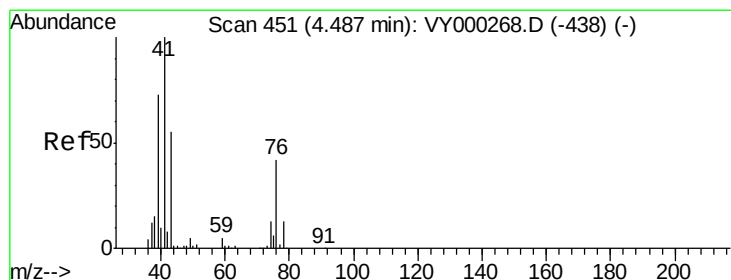
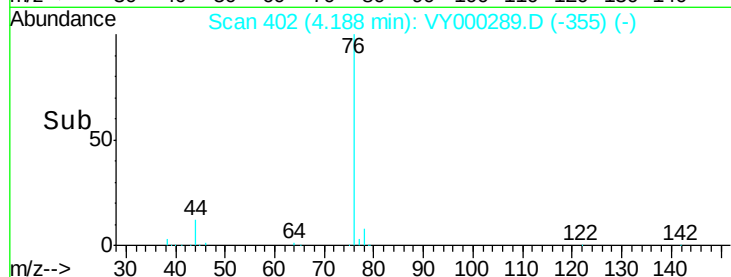
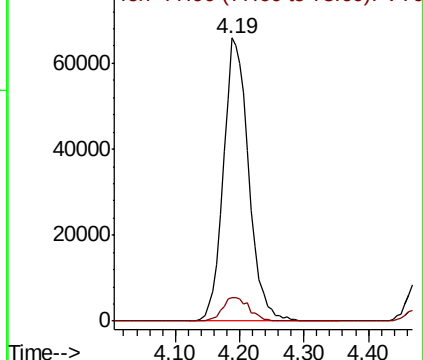
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 24.638 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000289.D

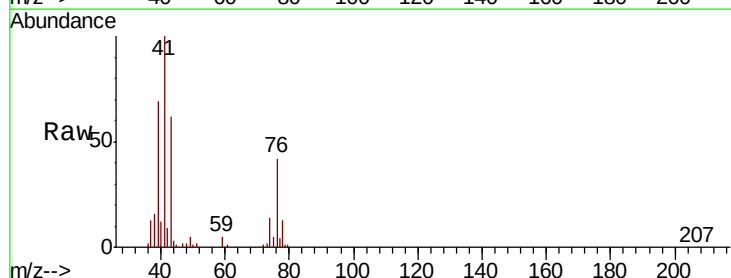
Acq: 11 Oct 2019 22:25

Tgt Ion: 43 Resp: 57706

Ion Ratio Lower Upper

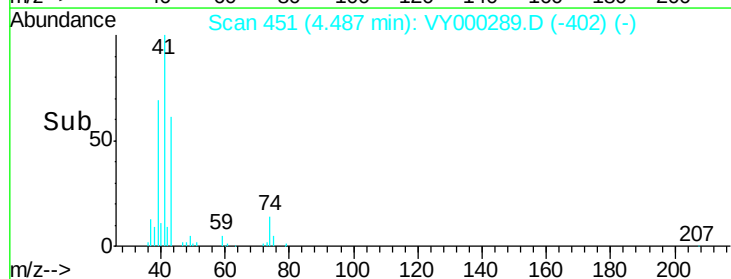
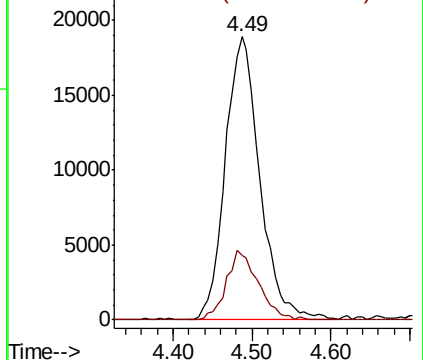
43 100

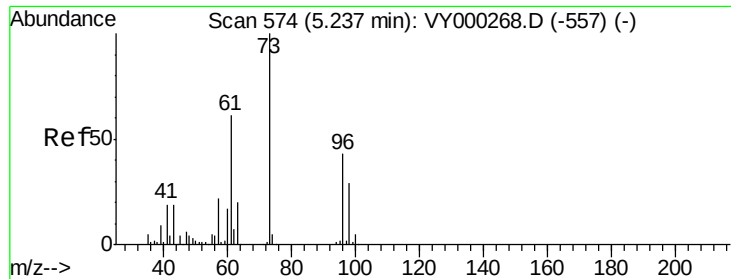
74 22.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





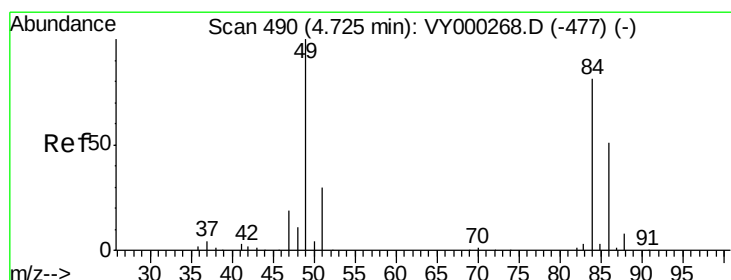
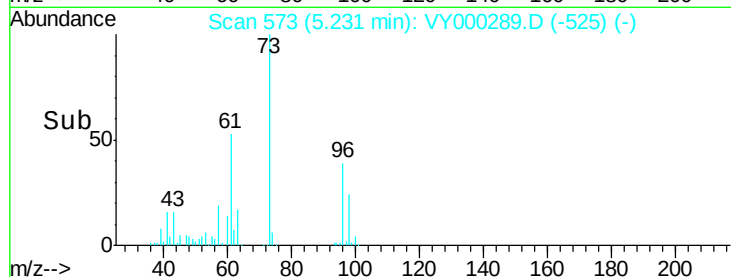
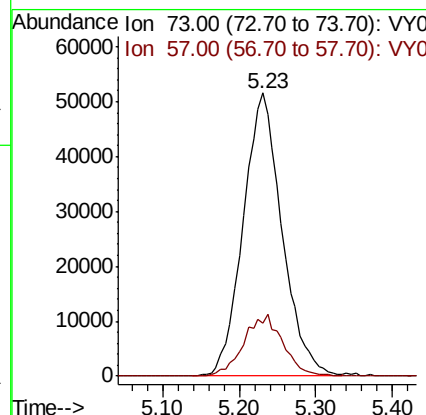
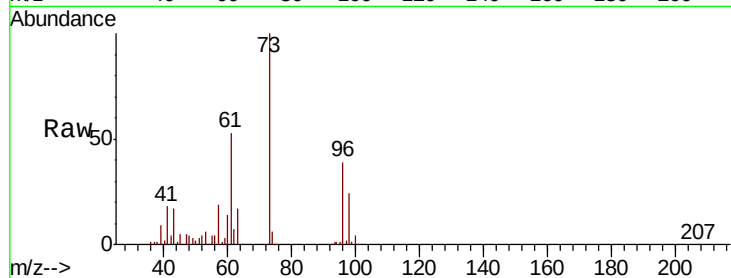
#19
Methyl tert-butyl Ether
Concen: 23.474 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 182121
Ion Ratio Lower Upper
73 100
57 18.9 17.4 26.0

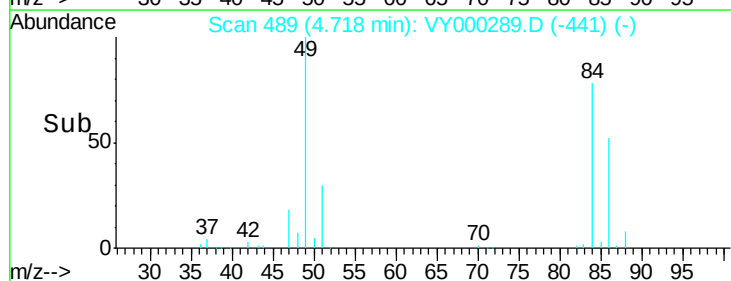
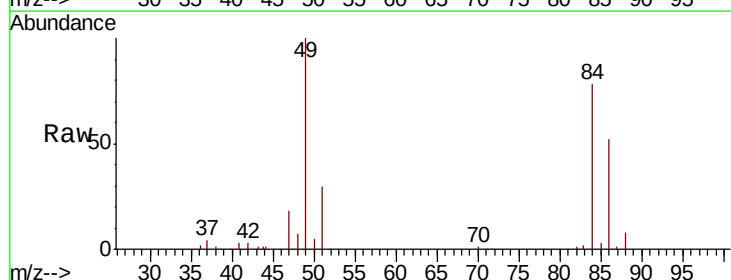
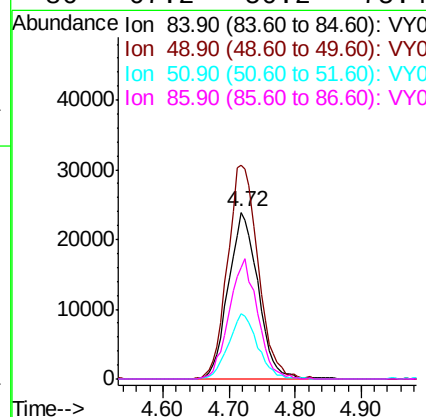
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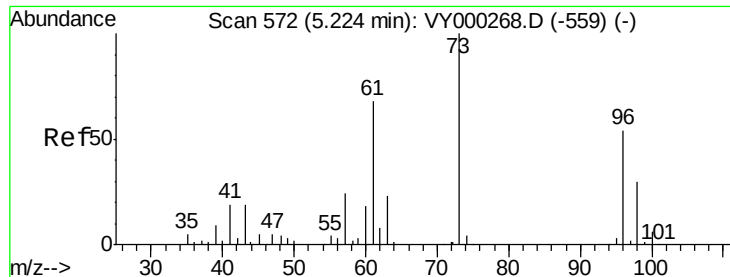
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#20
Methylene Chloride
Concen: 20.158 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion: 84 Resp: 74329
Ion Ratio Lower Upper
84 100
49 128.2 99.0 148.4
51 39.1 29.3 43.9
86 67.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.472 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

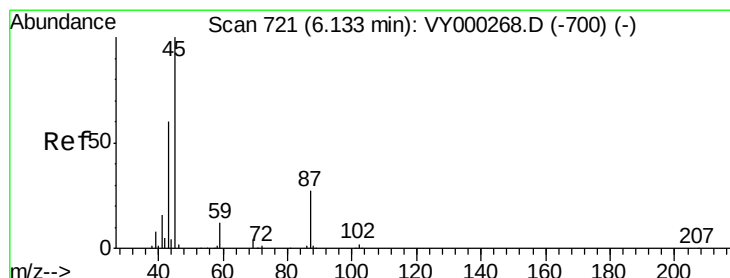
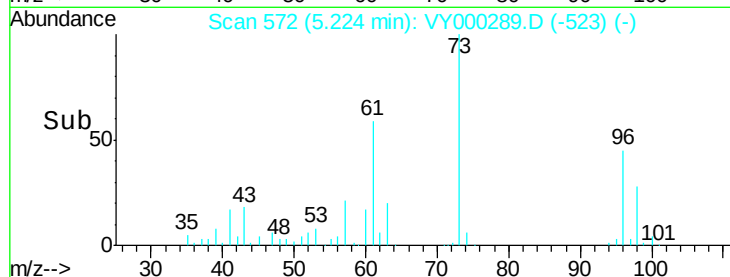
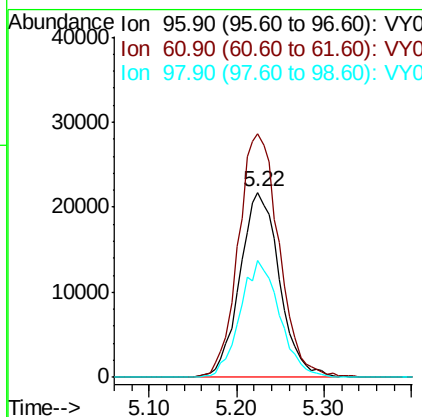
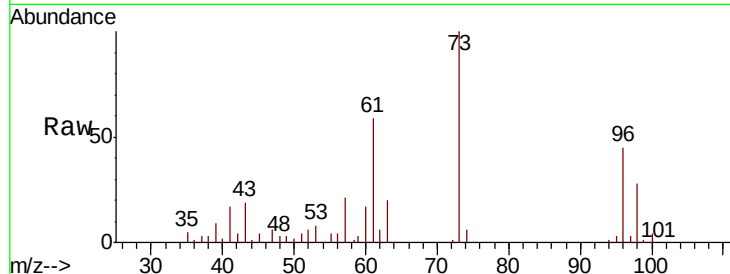
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	68657
Ion	Ratio	Lower	Upper
96	100		
61	131.5	100.4	150.6
98	63.2	44.6	66.8

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#22

Diisopropyl ether

Concen: 23.228 ug/l

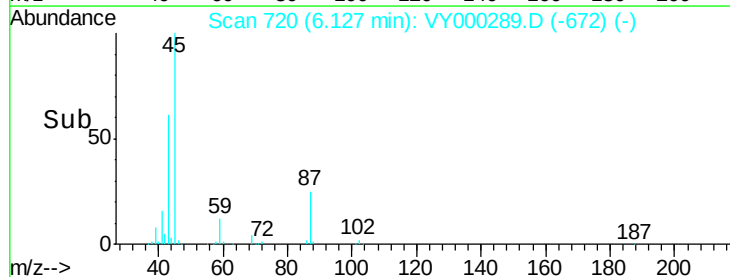
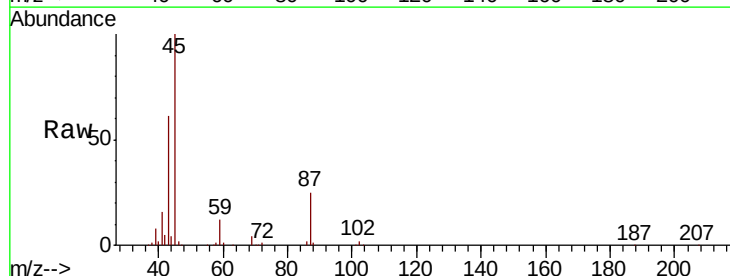
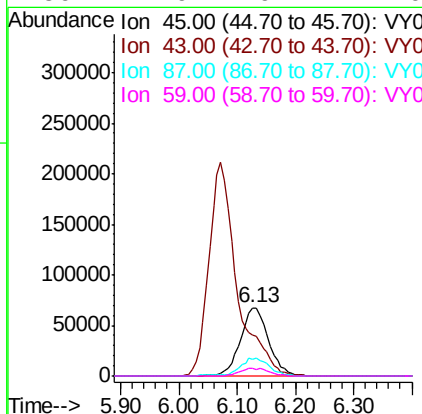
RT: 6.13 min Scan# 720

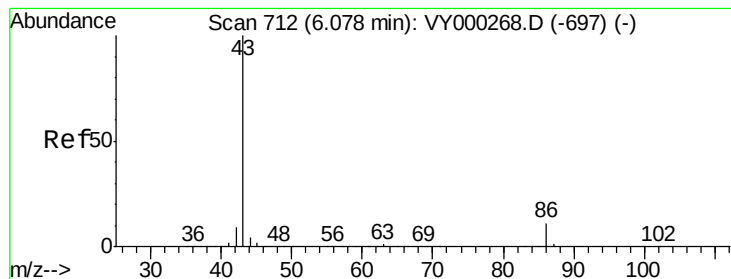
Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	45	Resp:	226900
Ion	Ratio	Lower	Upper
45	100		
43	60.8	48.5	72.7
87	25.2	21.5	32.3
59	11.9	9.4	14.0





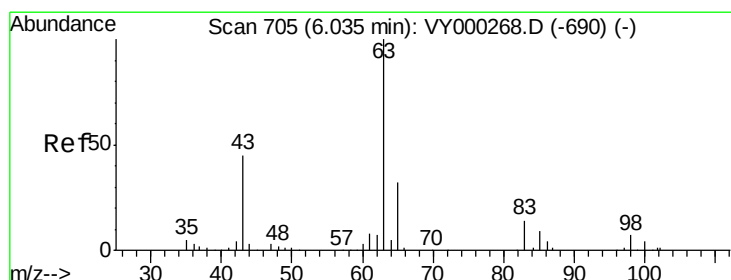
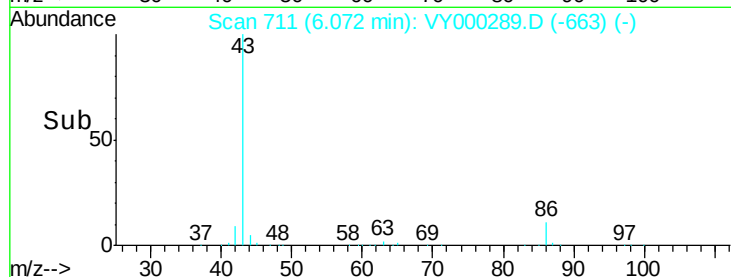
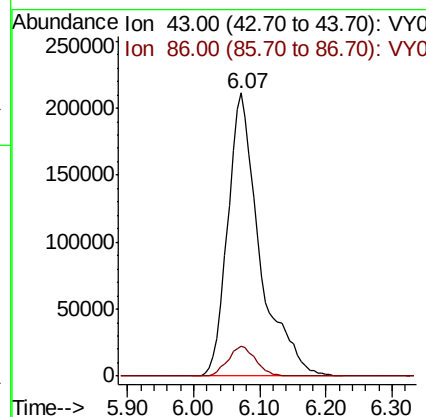
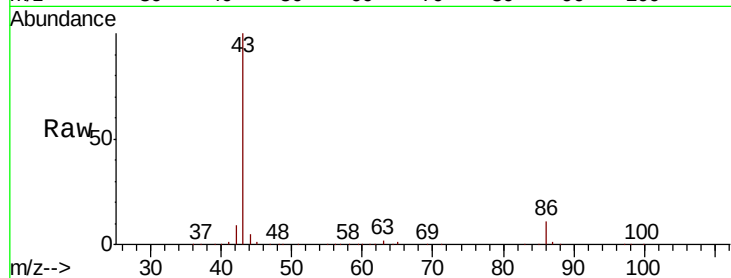
#23
 Vinyl Acetate
 Concen: 110.762 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	13.0

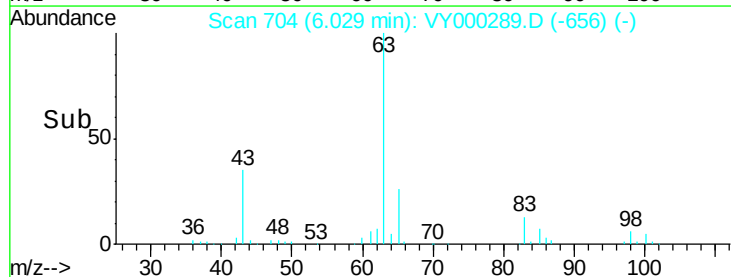
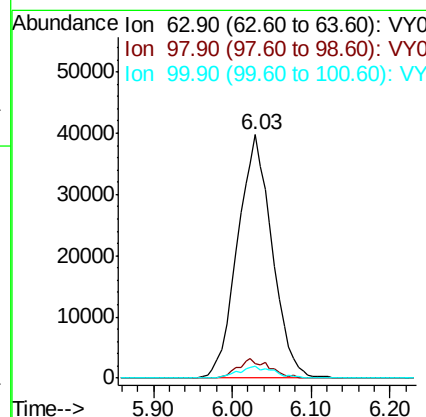
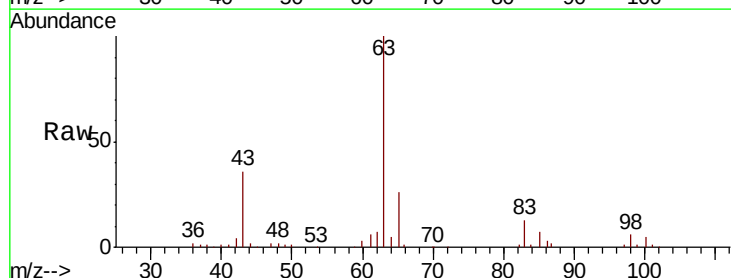
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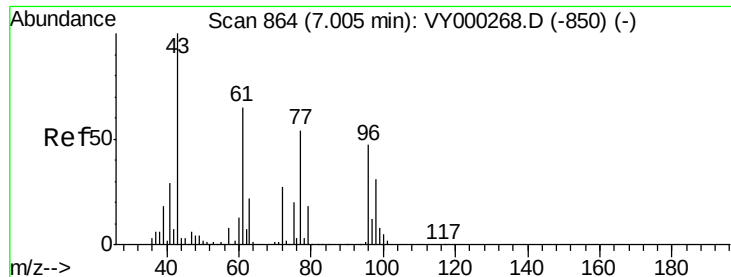
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#24
 1,1-Dichloroethane
 Concen: 22.637 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.4
100	4.8	2.1	6.2





#25

2-Butanone

Concen: 106.022 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 140787

Ion Ratio Lower Upper

43 100

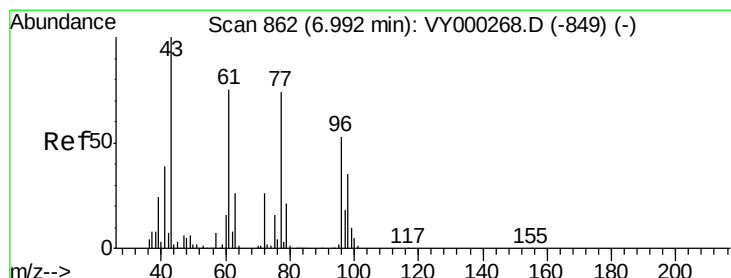
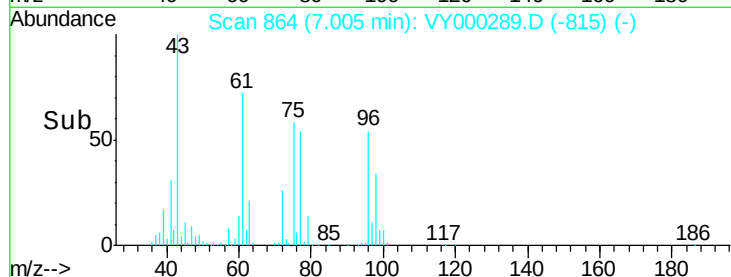
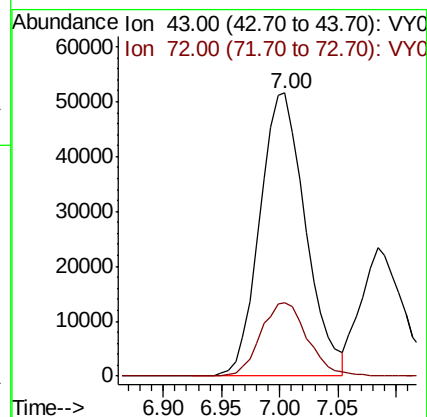
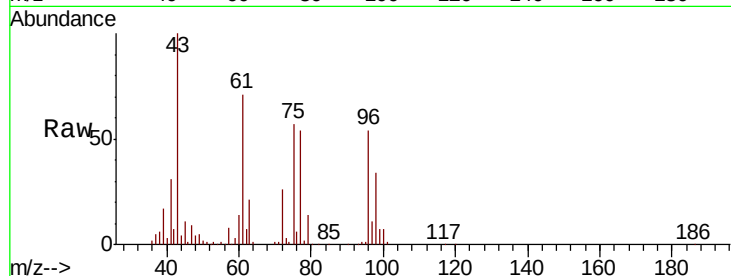
72 26.1 21.4 32.2

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#26

2,2-Dichloropropane

Concen: 19.894 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000289.D

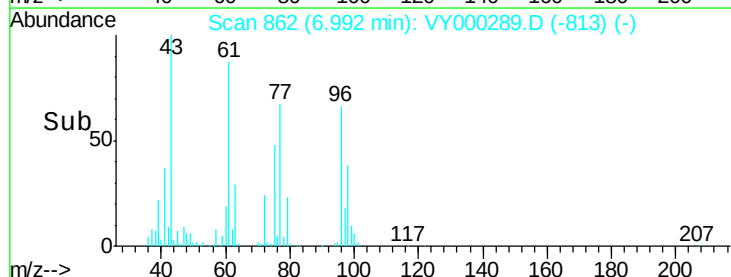
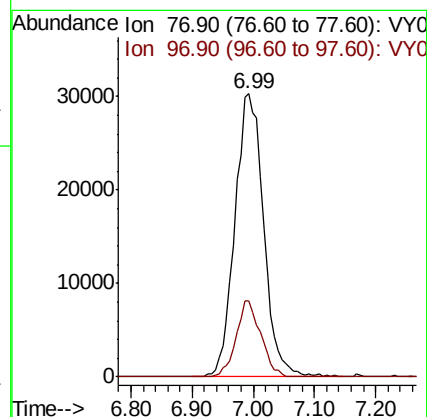
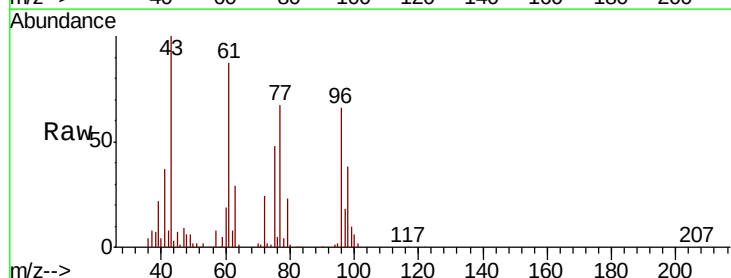
Acq: 11 Oct 2019 22:25

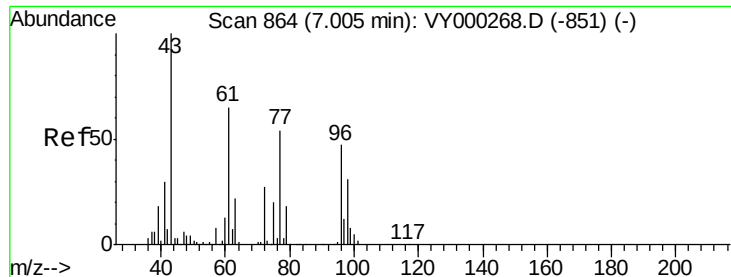
Tgt Ion: 77 Resp: 97746

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

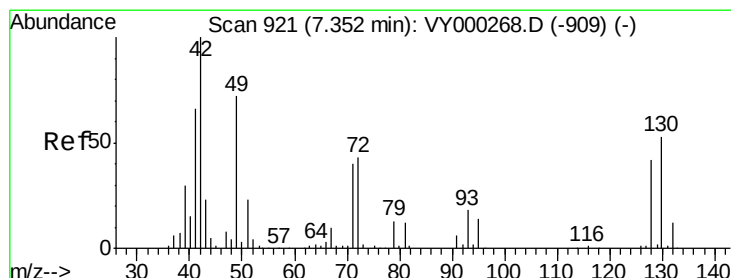
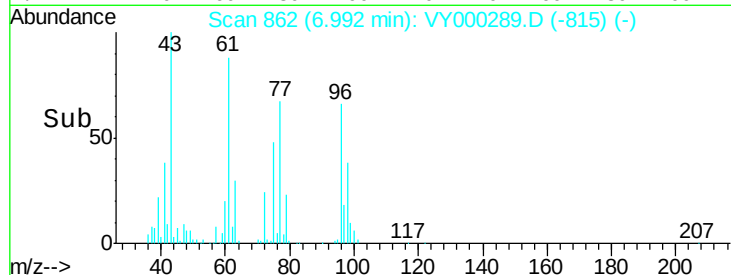
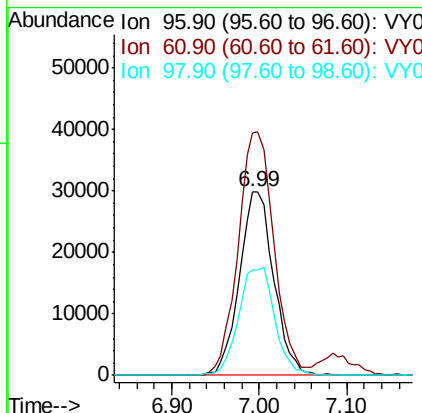
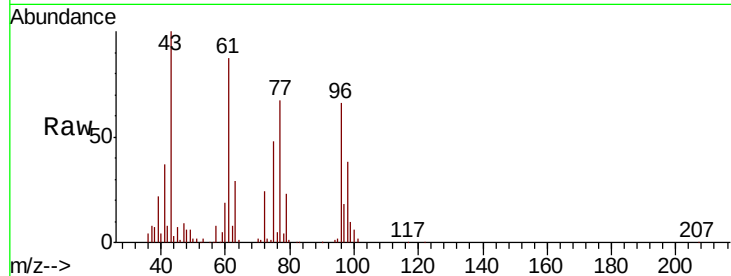
cis-1,2-Dichloroethene
Concen: 23.447 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	289.8
98	61.9	0.0	131.8

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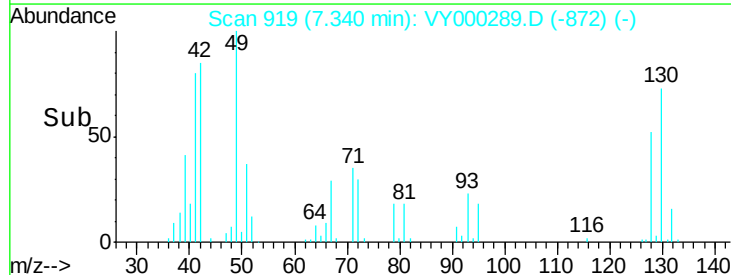
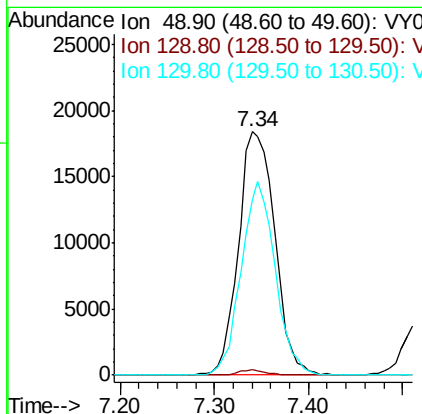
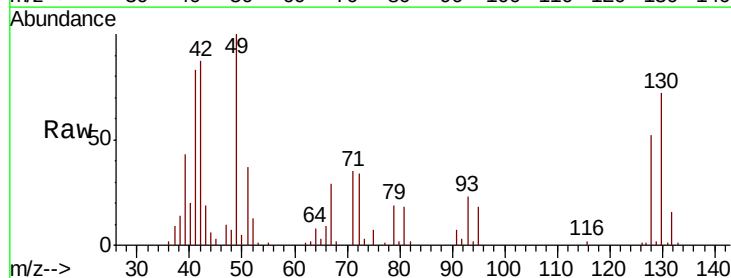
MMDadoda
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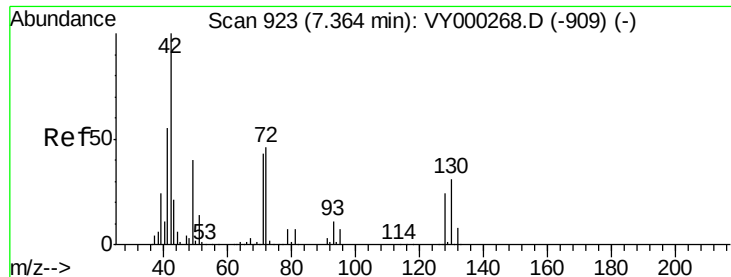


#28

Bromochloromethane
Concen: 21.612 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	74.1	58.2	87.2





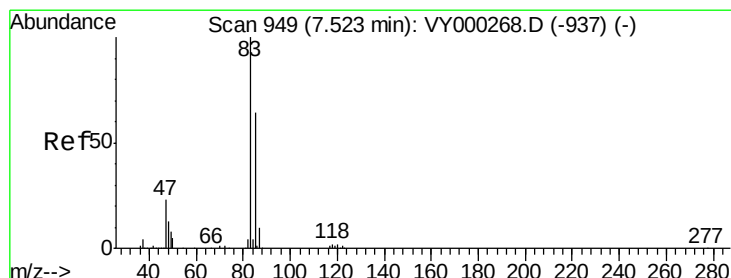
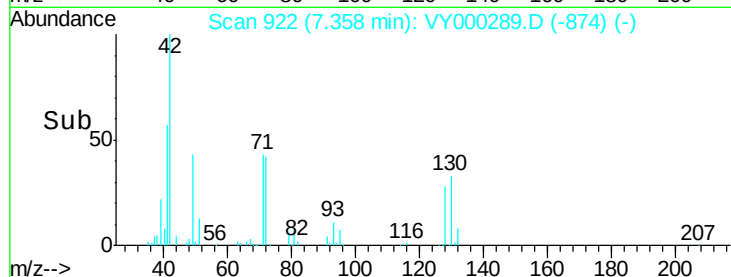
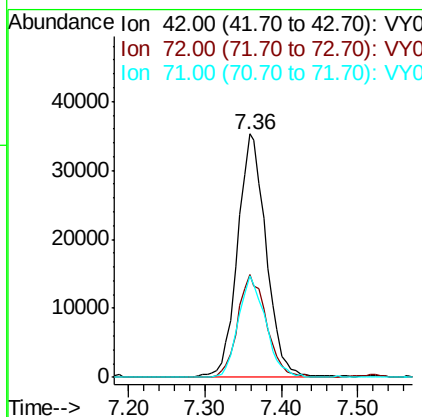
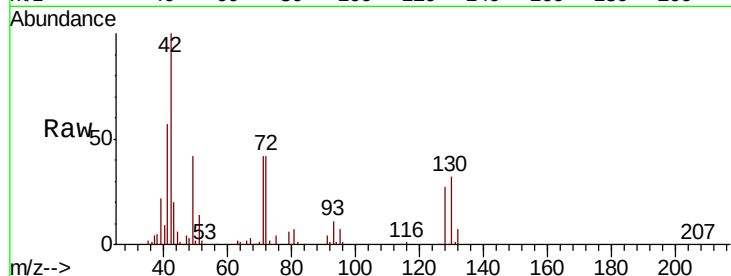
#29
Tetrahydrofuran
Concen: 113.948 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.5	51.7
71	39.8	32.7	49.1

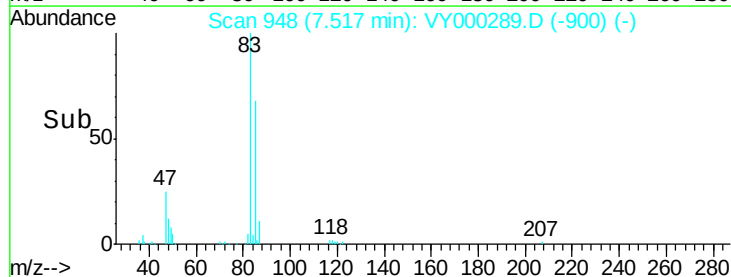
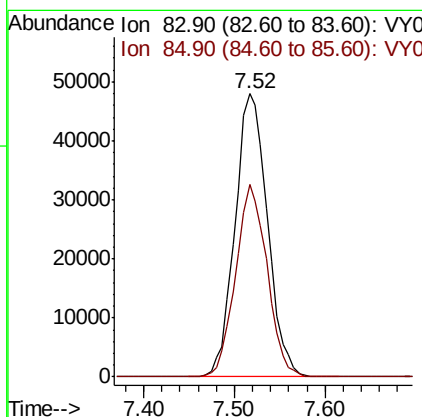
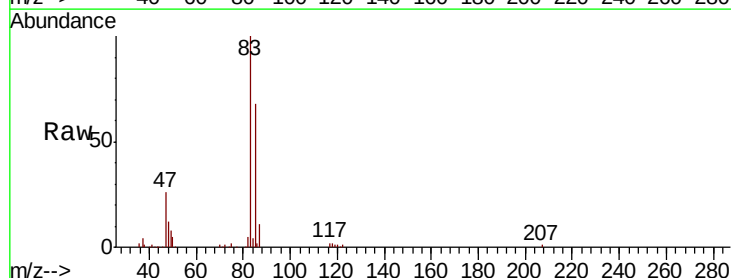
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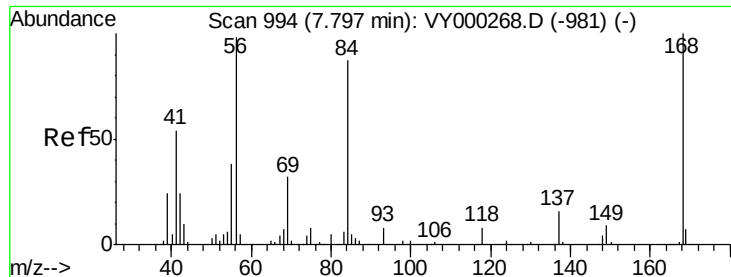
MMDadoda
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#30
Chloroform
Concen: 22.159 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.4	77.2





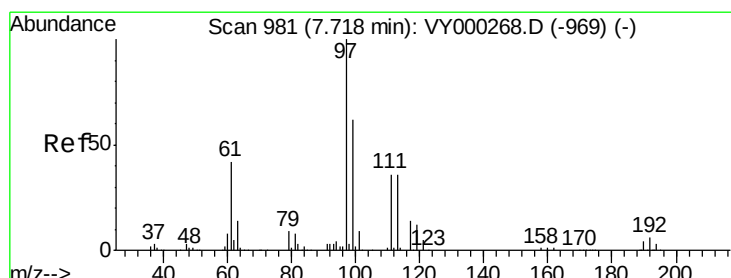
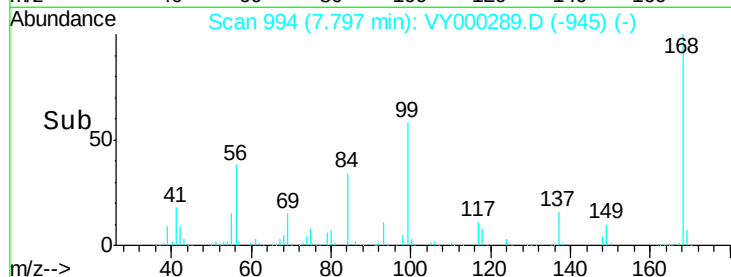
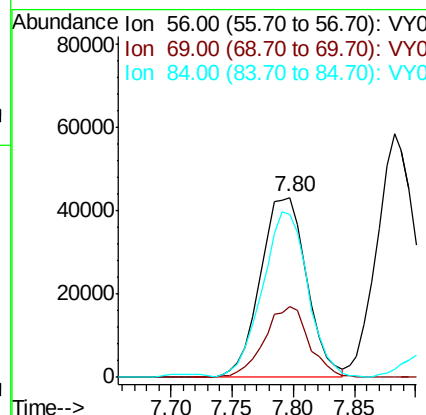
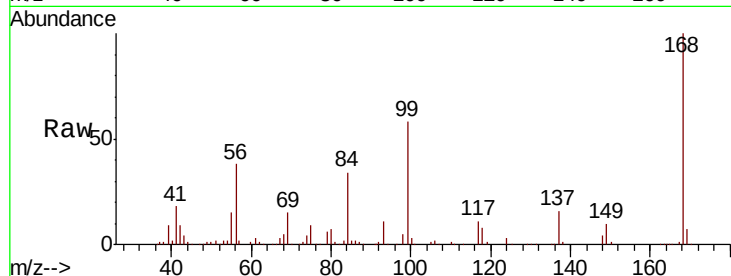
#31
Cyclohexane
Concen: 20.582 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.3	39.5
84	89.5	70.8	106.2

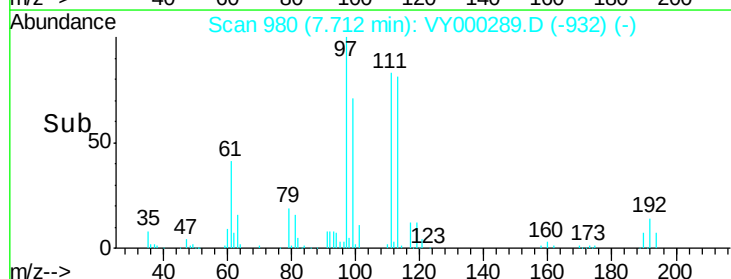
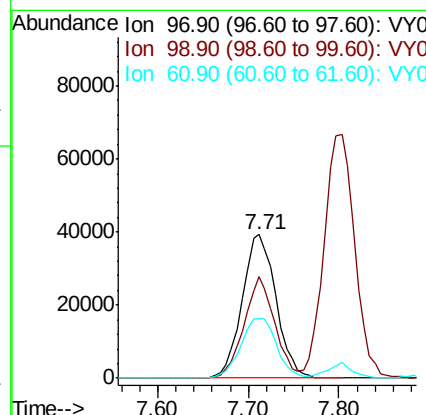
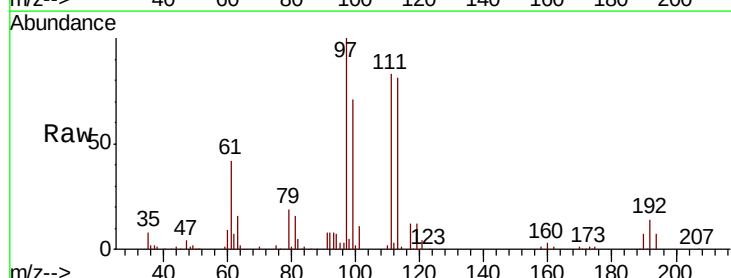
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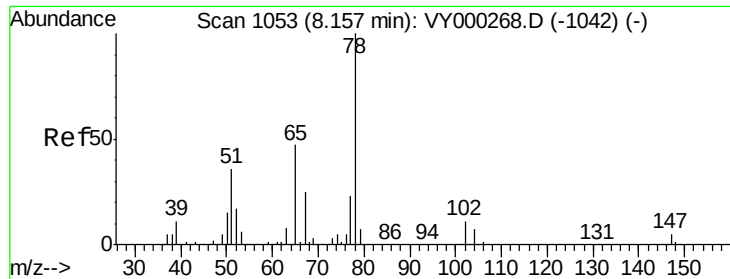
MMDadoda
10/15/2019 12:34:19 PM



#32
1,1,1-Trichloroethane
Concen: 21.124 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	44.2	34.5	51.7





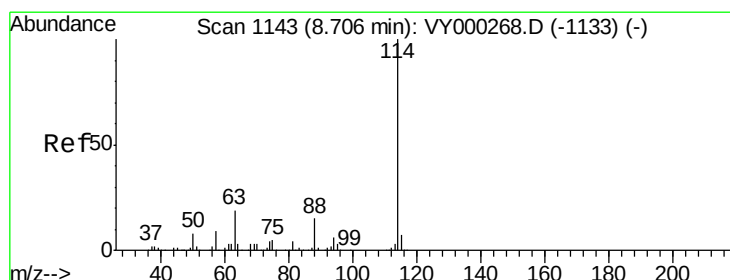
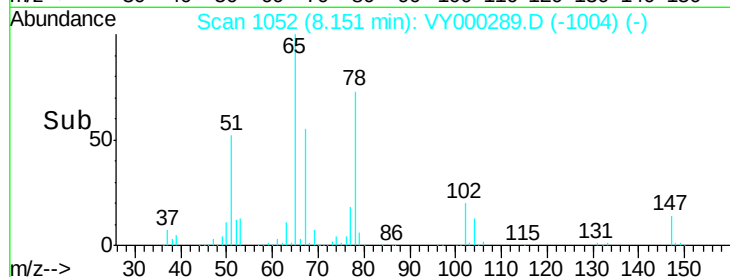
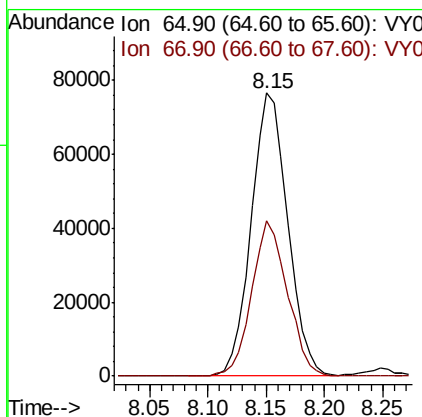
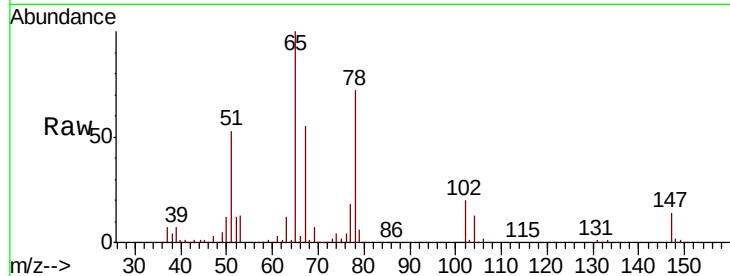
#33
 1,2-Dichloroethane-d4
 Concen: 57.258 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166670		
67	53.8	0.0	109.4	

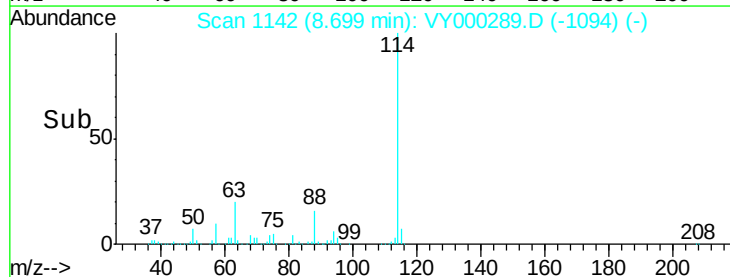
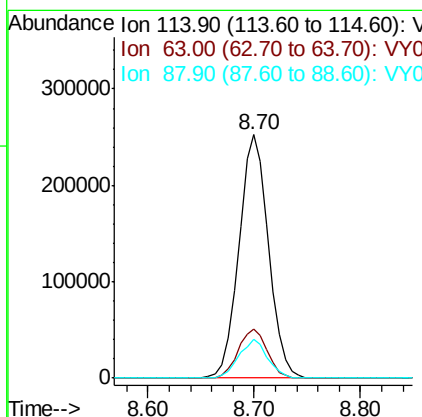
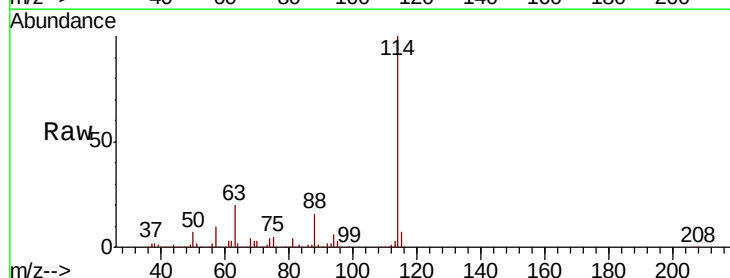
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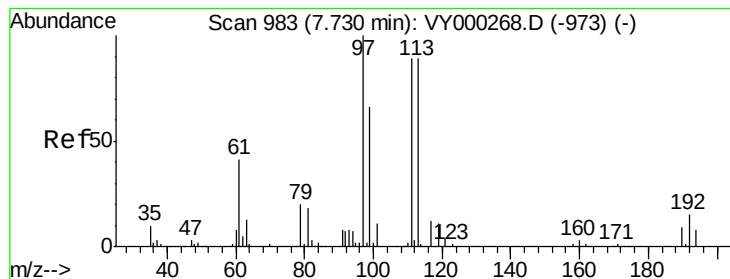
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	490320		
63	20.1	0.0	37.2	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.301 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

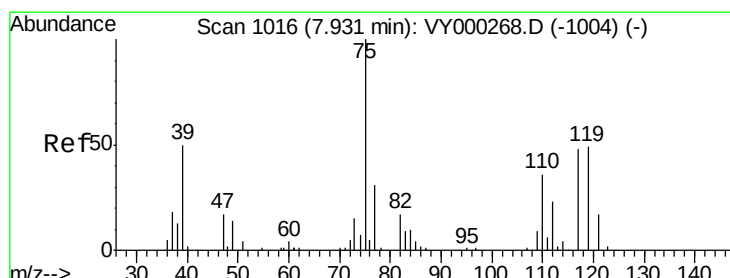
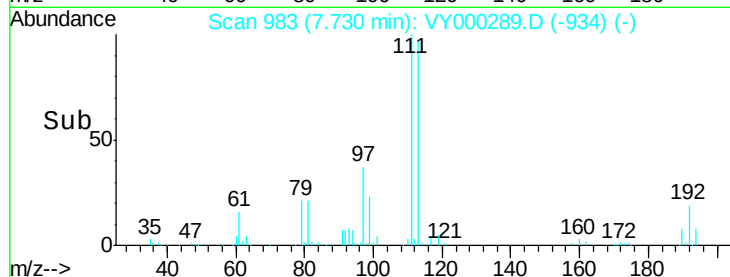
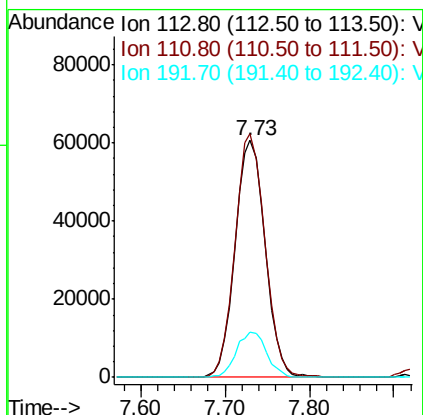
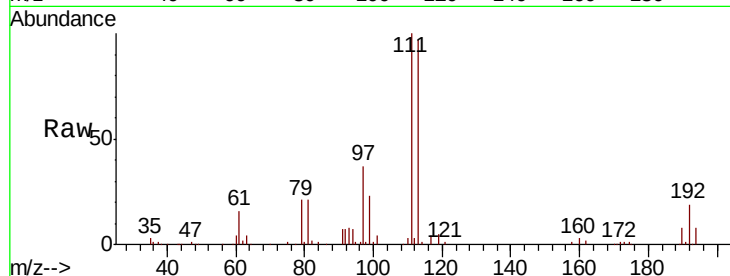
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	145816
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	19.4	15.3	22.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.847 ug/l

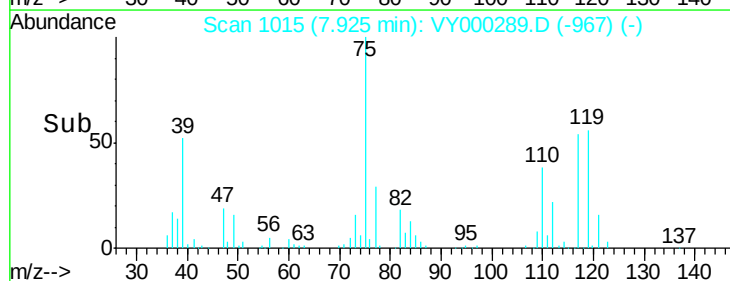
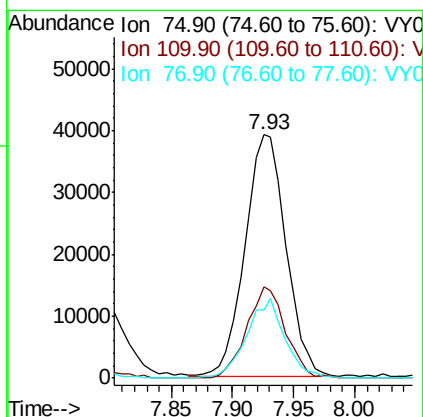
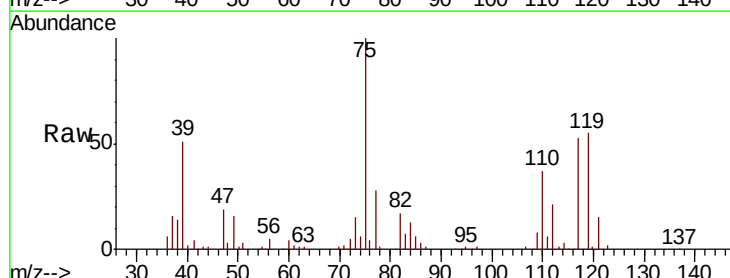
RT: 7.93 min Scan# 1015

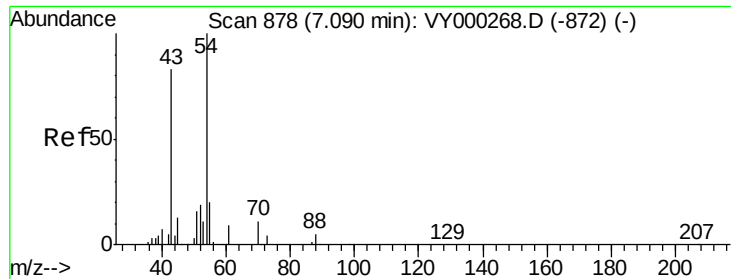
Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	75	Resp:	90478
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.4	55.4
77	30.8	25.0	37.6





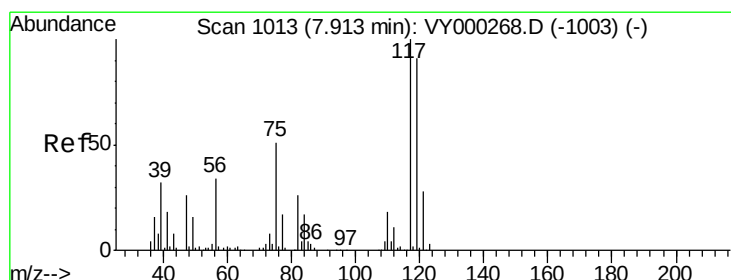
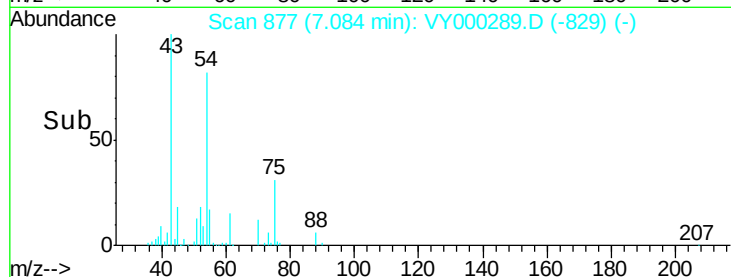
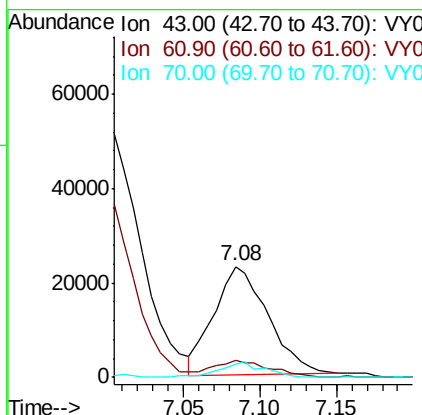
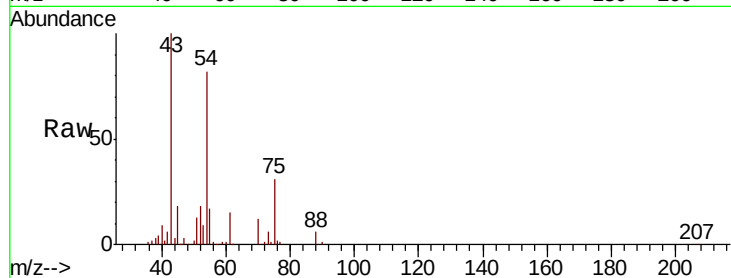
#37
Ethyl Acetate
Concen: 19.728 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.2	8.7	13.1

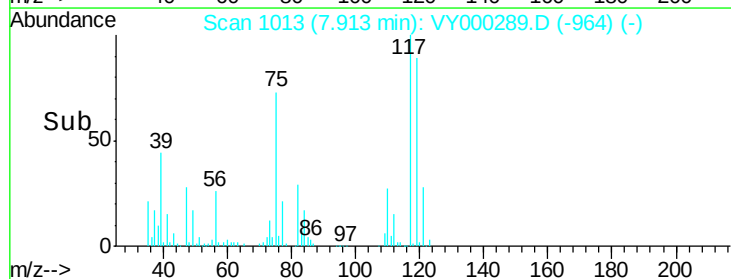
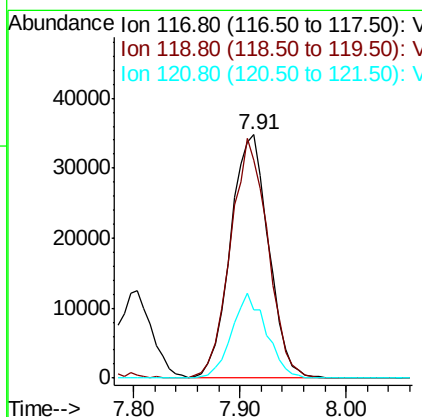
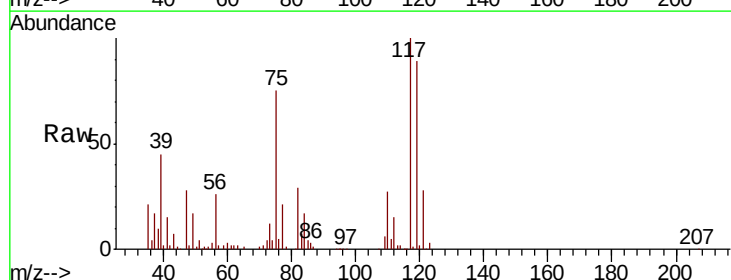
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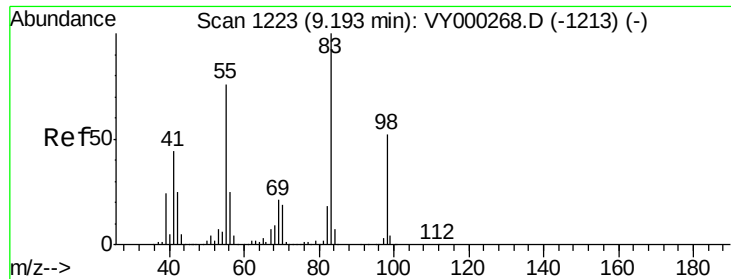
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#38
Carbon Tetrachloride
Concen: 18.853 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	72.8	109.2
121	27.9	22.2	33.2





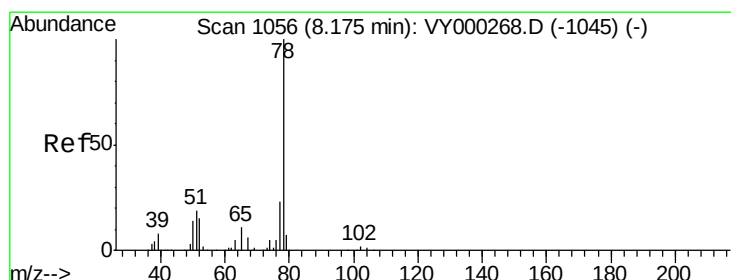
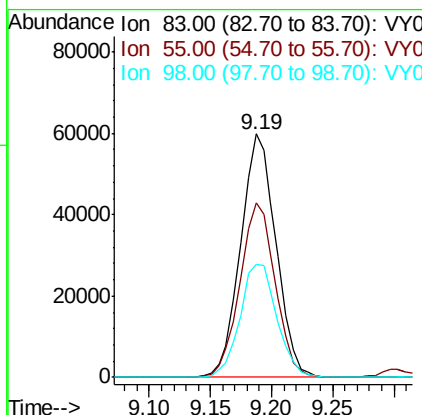
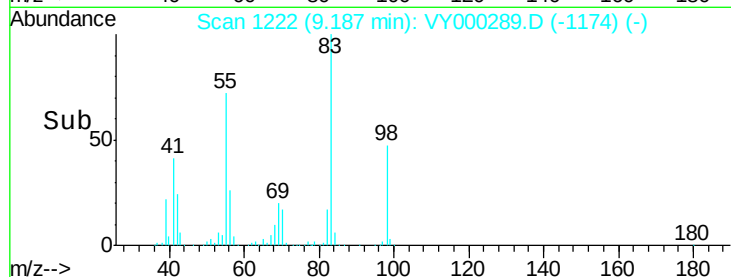
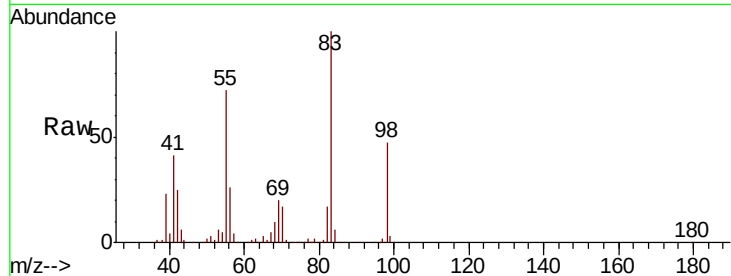
#39
Methylvlcyclohexane
Concen: 19.085 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.7	60.9	91.3	
98	46.6	41.8	62.6	

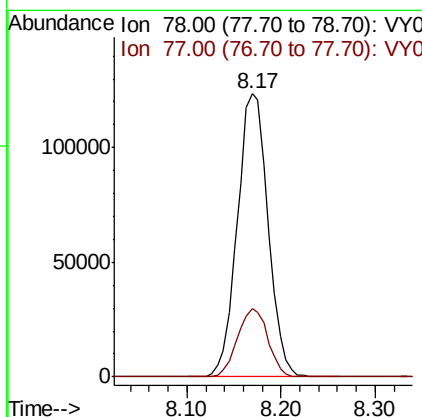
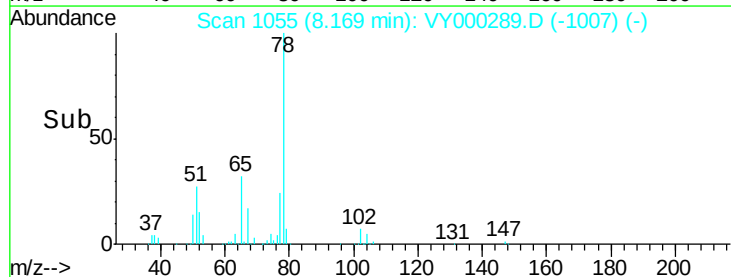
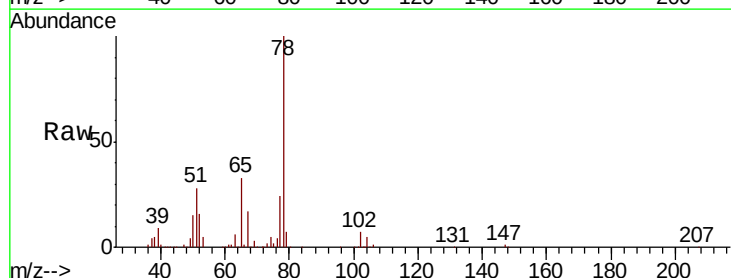
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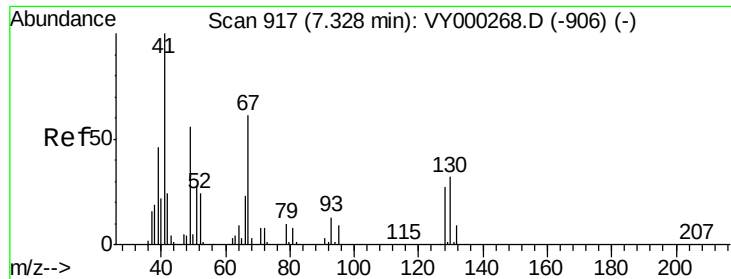
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#40
Benzene
Concen: 20.293 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.8	28.2	





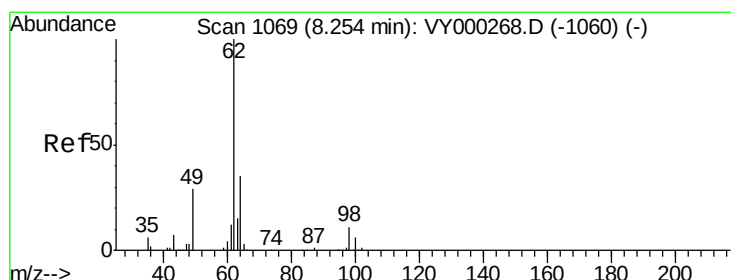
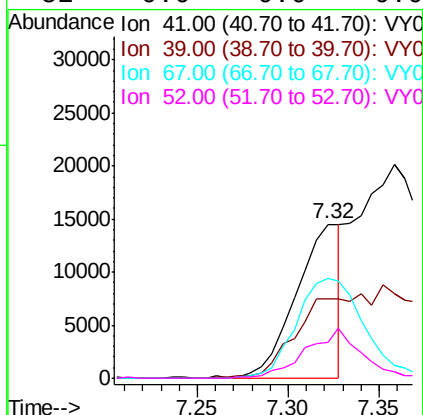
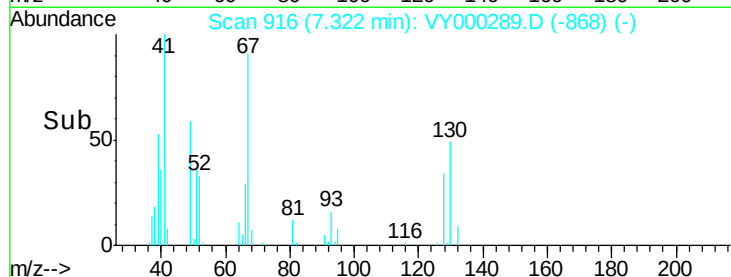
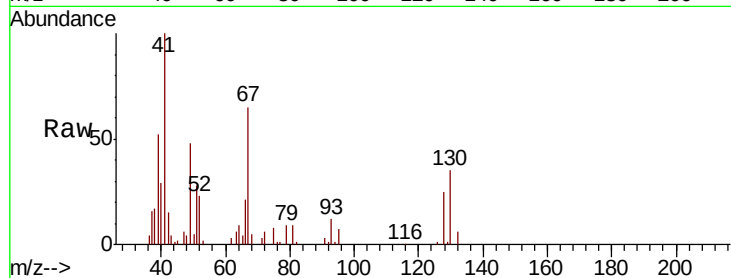
#41
Methacrylonitrile
Concen: 18.611 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

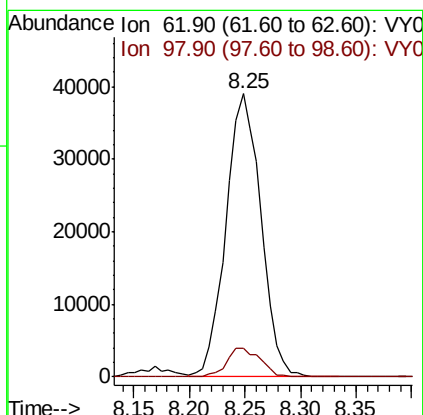
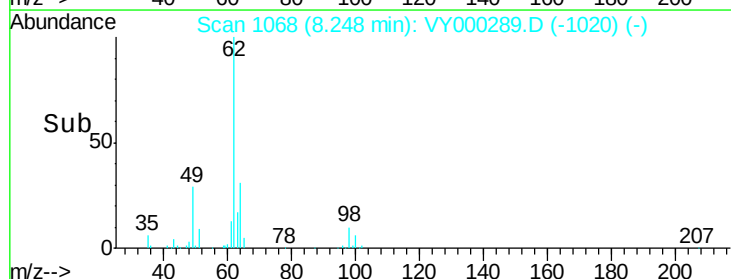
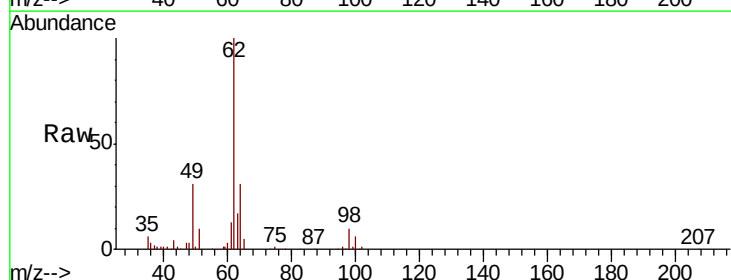
Manual Integrations
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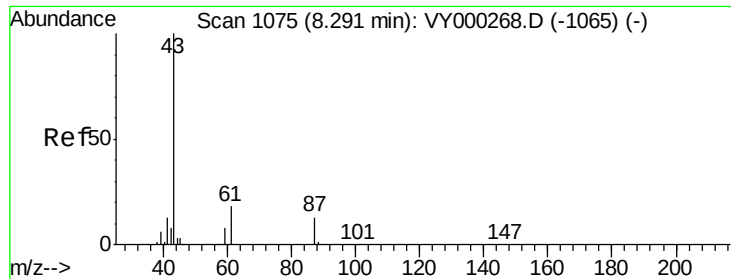
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.422 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.845 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

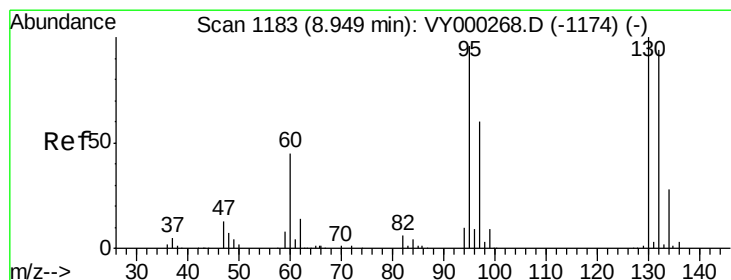
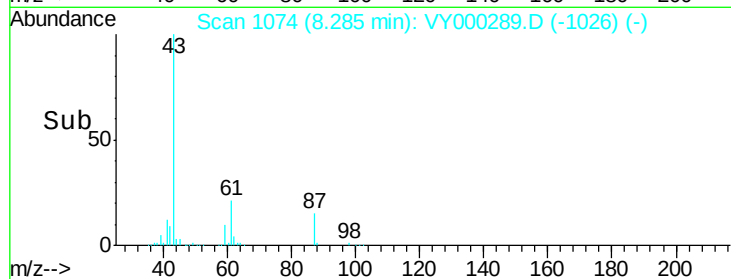
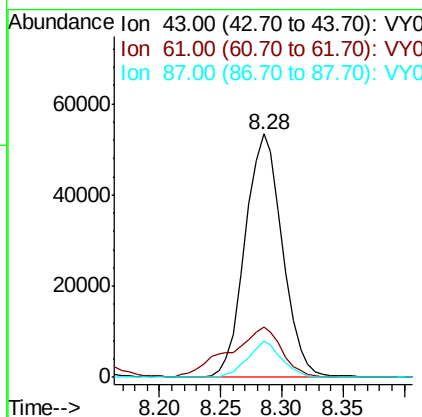
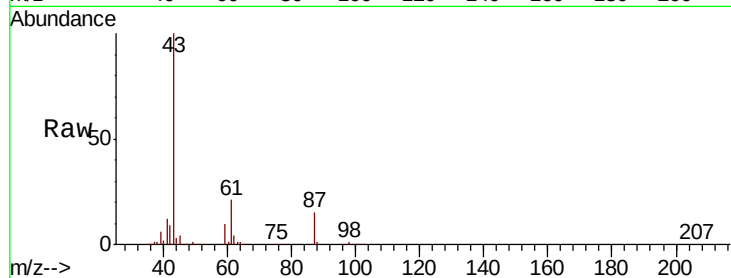
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	112665
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.3	33.5
87	13.8	10.9	16.3

Manual Integrations
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10/15/2019 12:34:19 PM



#44

Trichloroethene

Concen: 19.856 ug/l

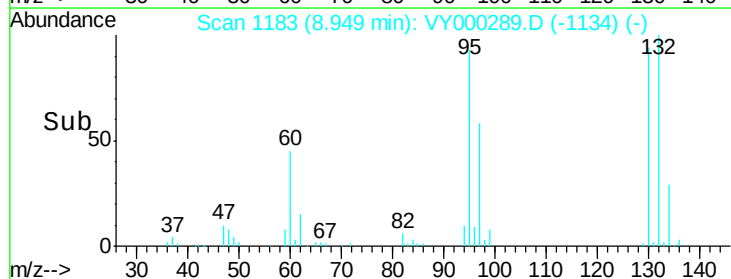
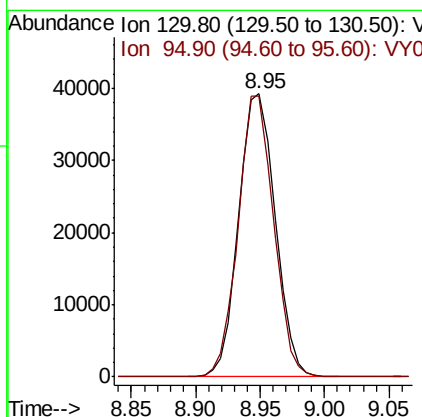
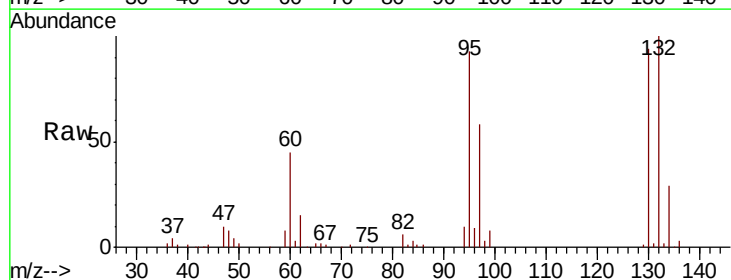
RT: 8.95 min Scan# 1183

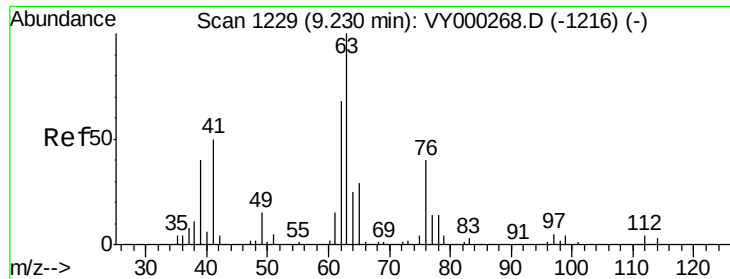
Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	130	Resp:	77290
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	191.4





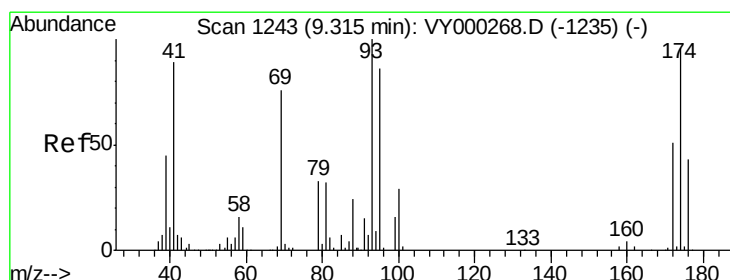
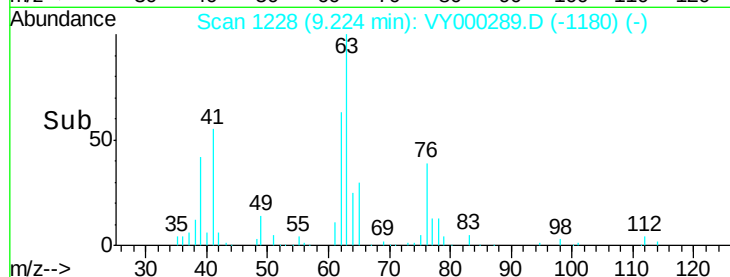
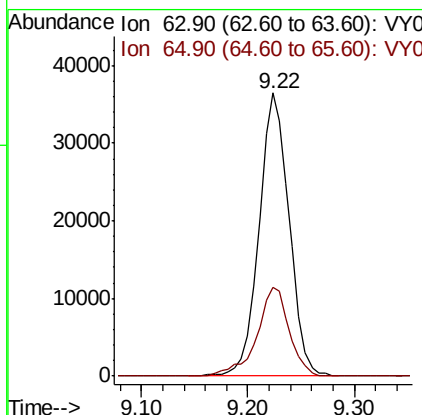
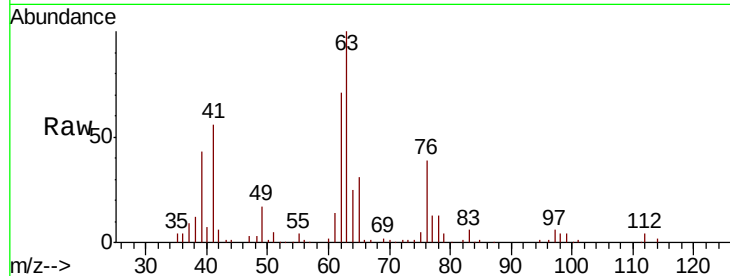
#45
 1,2-Dichloropropane
 Concen: 21.082 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 71775
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.2 34.8

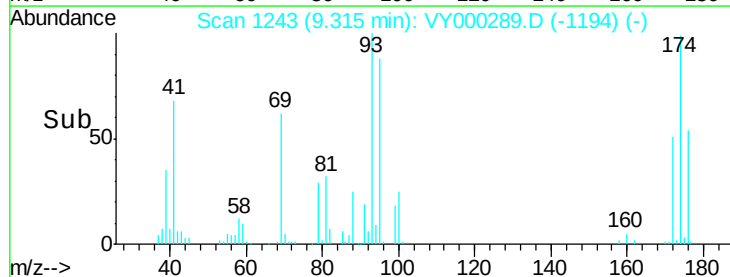
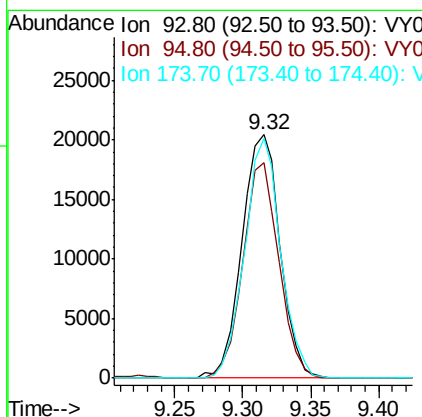
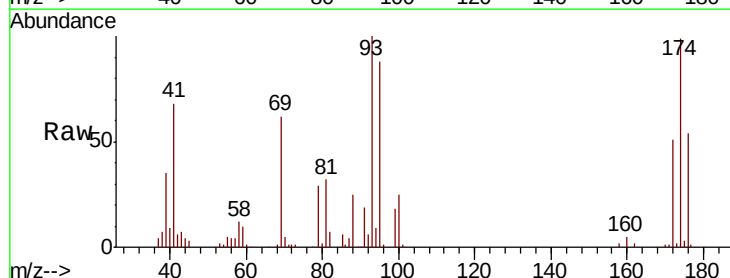
Manual Integrations
 APPROVED

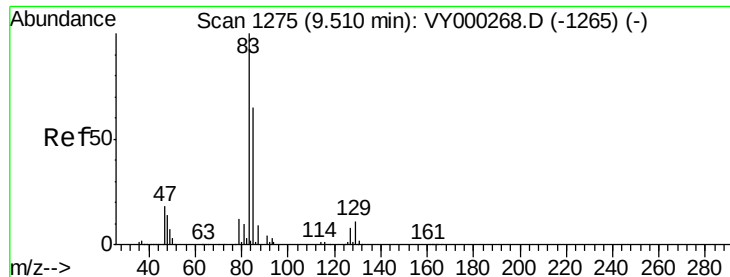
MMDadoda
 10/15/2019 12:34:19 PM



#46
 Dibromomethane
 Concen: 21.075 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion: 93 Resp: 40109
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.2 102.2
 174 93.5 79.8 119.6





#47

Bromodichloromethane

Concen: 20.957 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

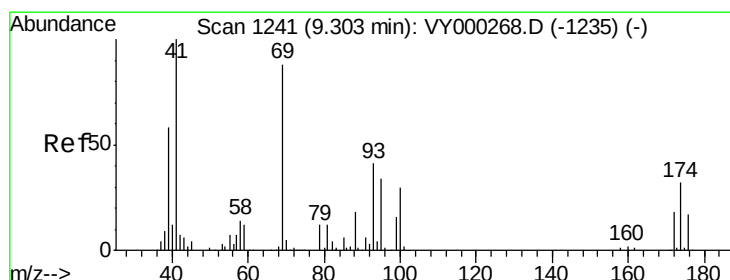
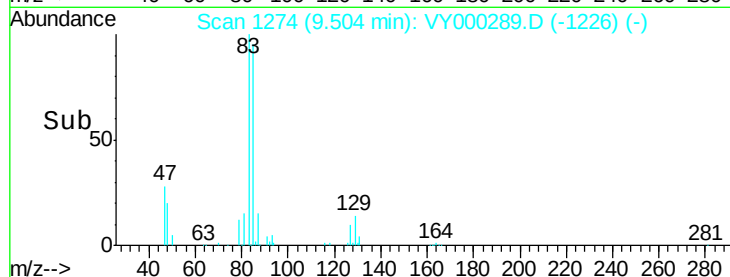
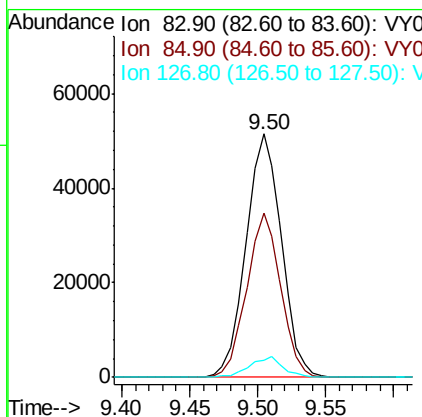
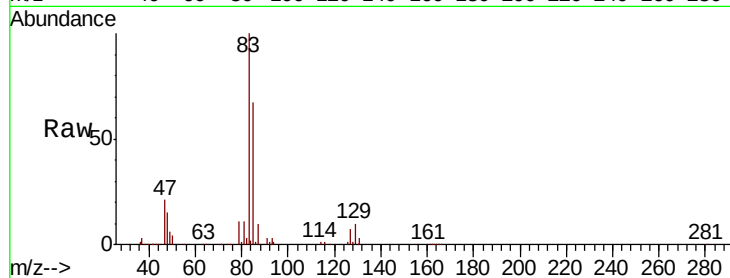
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	93995
Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.2	78.2
127	7.1	6.3	9.5

Manual Integrations
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MMDadoda
10/15/2019 12:34:19 PM



#48

Methyl methacrylate

Concen: 20.967 ug/l

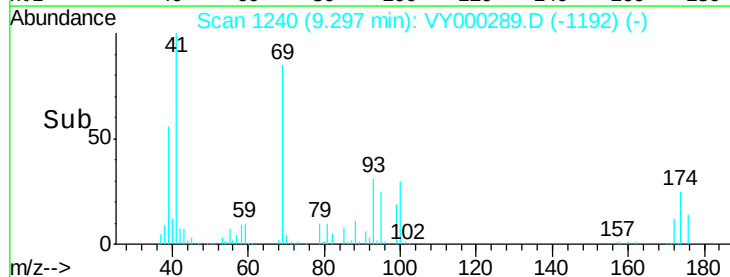
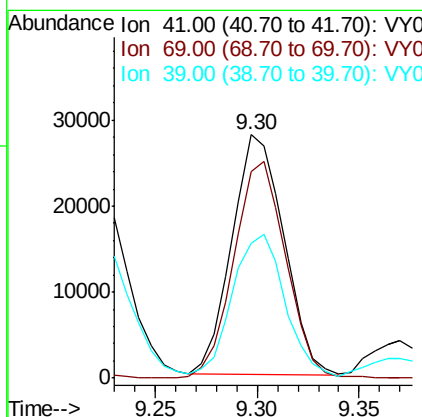
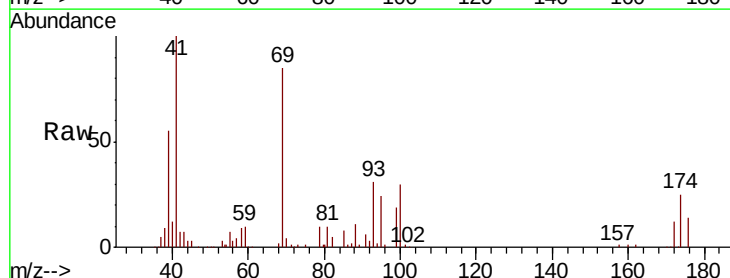
RT: 9.30 min Scan# 1240

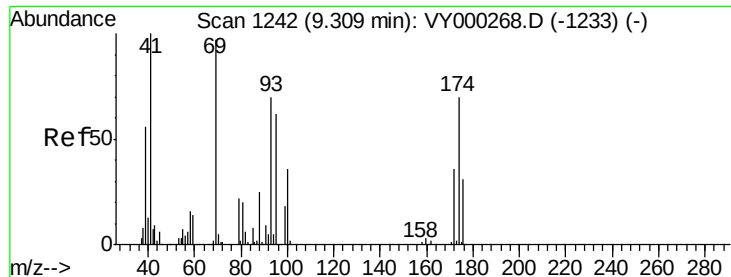
Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	41	Resp:	49663
Ion	Ratio	Lower	Upper
41	100		
69	90.1	70.0	105.0
39	60.9	47.7	71.5





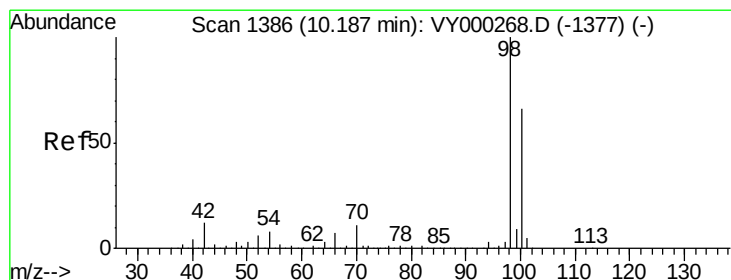
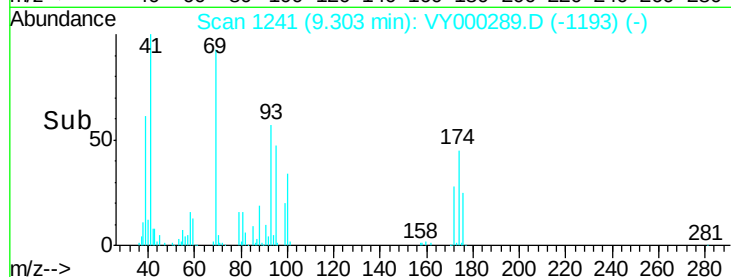
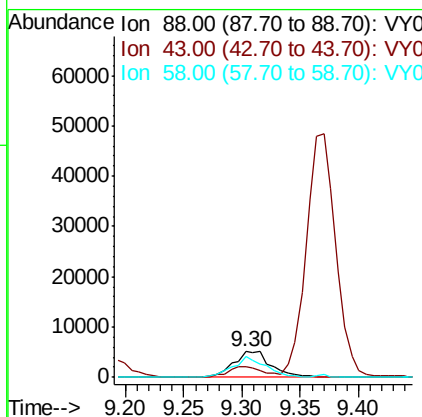
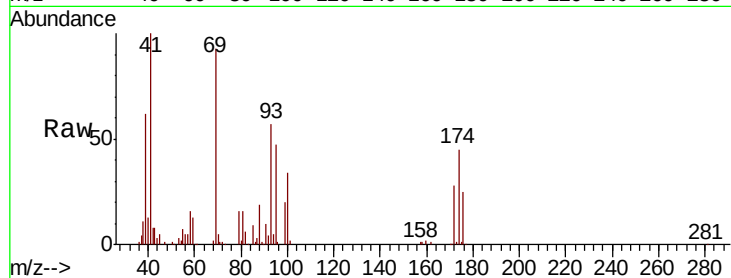
#49
1,4-Dioxane
Concen: 404.125 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	11532
Ion Ratio	Lower	Upper	
88	100		
43	38.8	25.6	38.4#
58	71.8	54.6	81.8

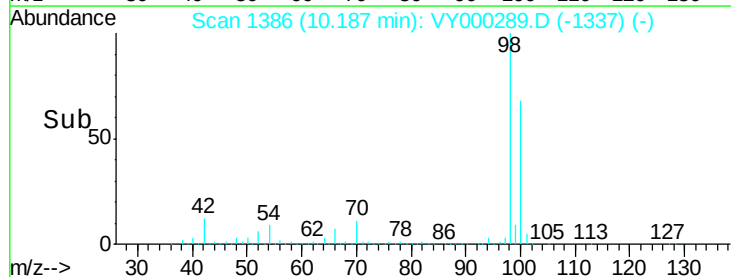
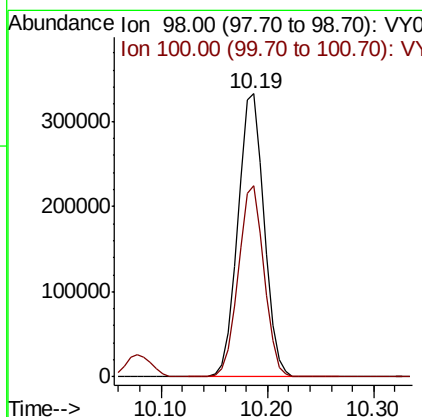
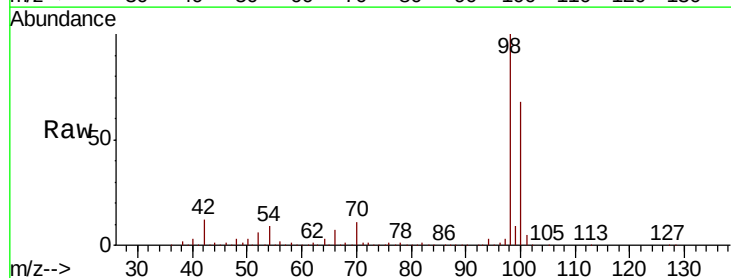
Manual Integrations
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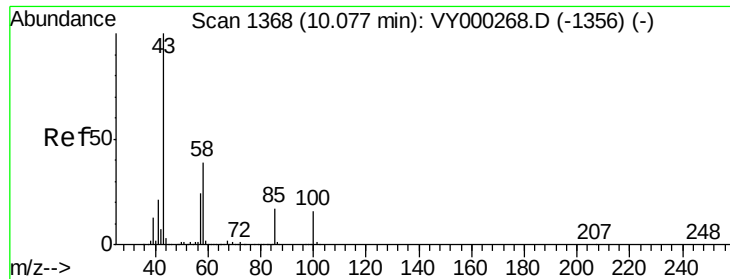
MMDadoda
10/15/2019 12:34:19 PM



#50
Toluene-d8
Concen: 50.664 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	98	Resp	576417
Ion Ratio	Lower	Upper	
98	100		
100	66.2	52.8	79.2





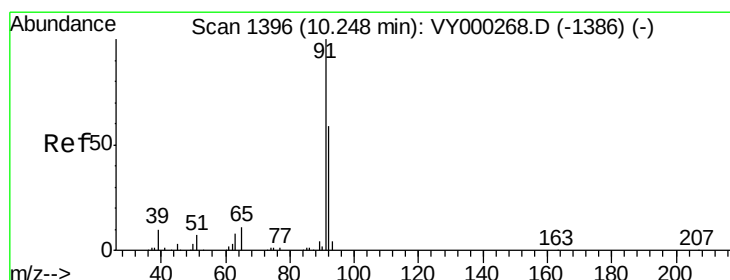
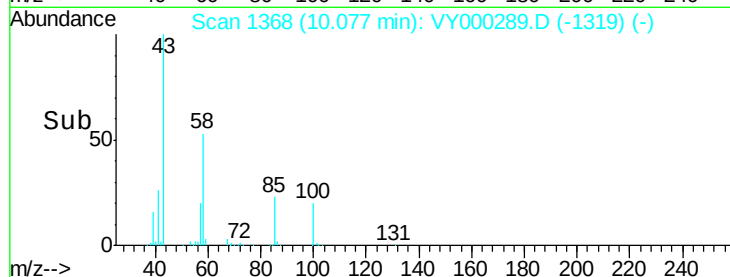
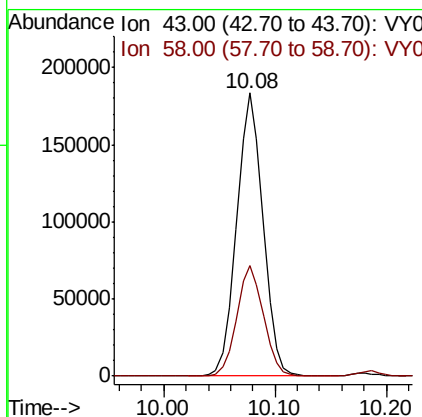
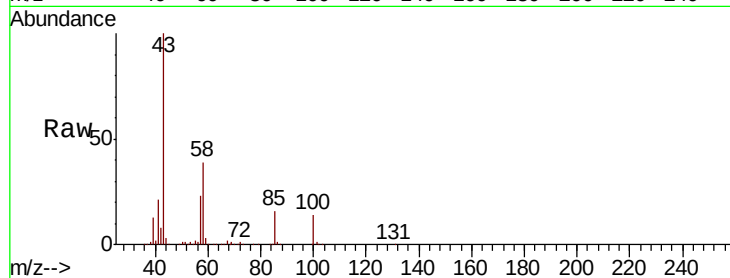
#51
4-Methyl-2-Pentanone
Concen: 107.735 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.0	46.6

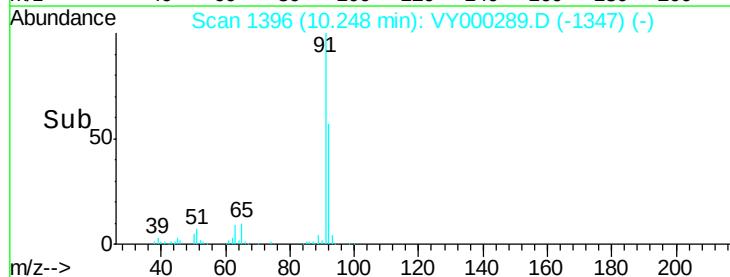
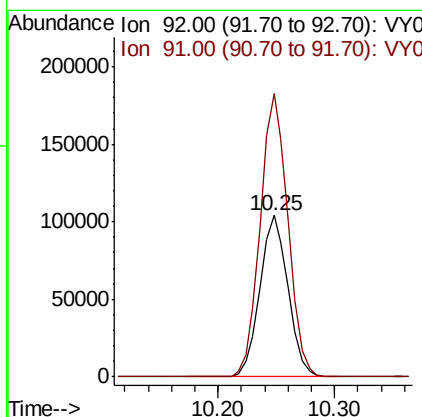
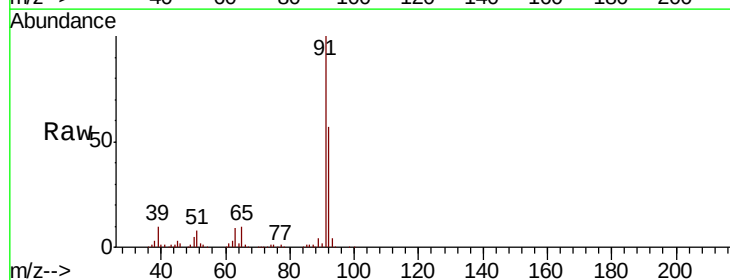
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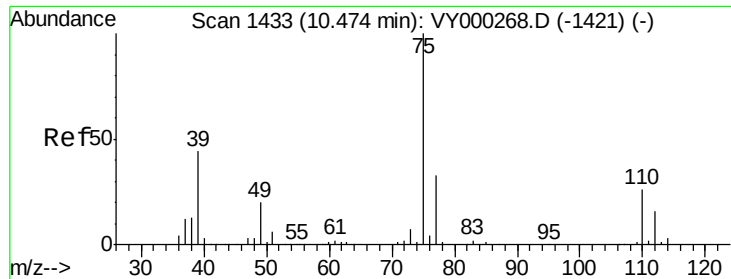
MMDadoda
10/15/2019 12:34:19 PM



#52
Toluene
Concen: 19.865 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.6	205.0





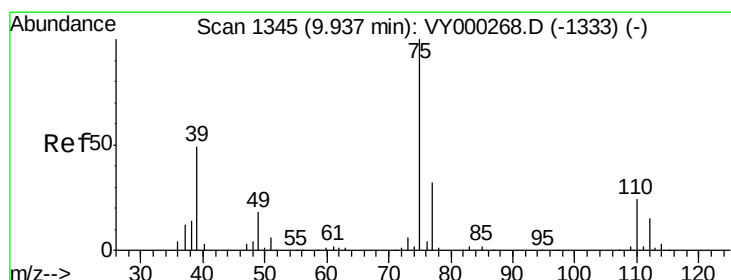
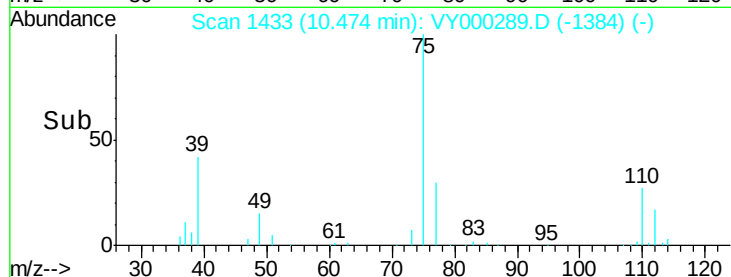
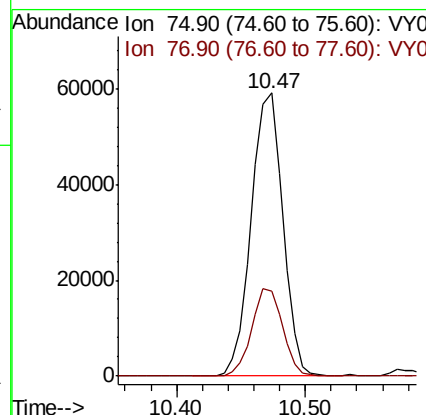
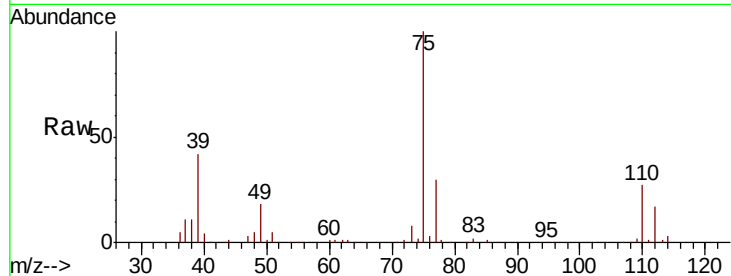
#53
t-1,3-Dichloropropene
Concen: 20.816 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 100057
Ion Ratio Lower Upper
75 100
77 29.8 26.0 39.0

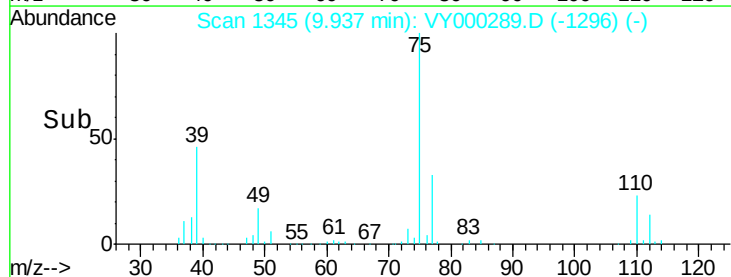
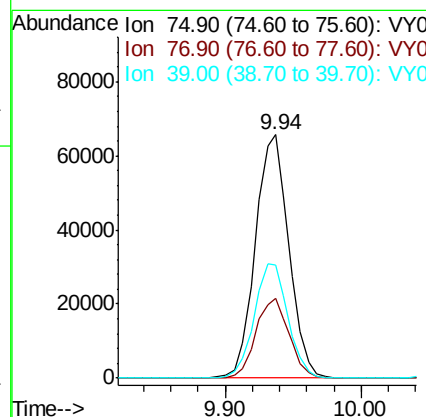
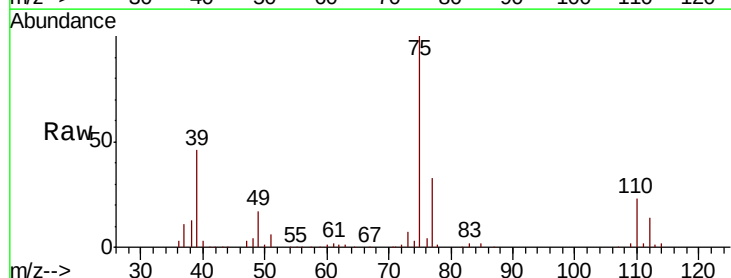
Manual Integrations
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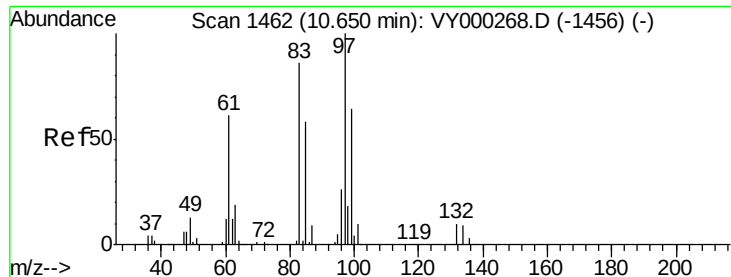
MMDadoda
10/15/2019 12:34:19 PM



#54
cis-1,3-Dichloropropene
Concen: 20.747 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion: 75 Resp: 113253
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
39 46.2 38.8 58.2





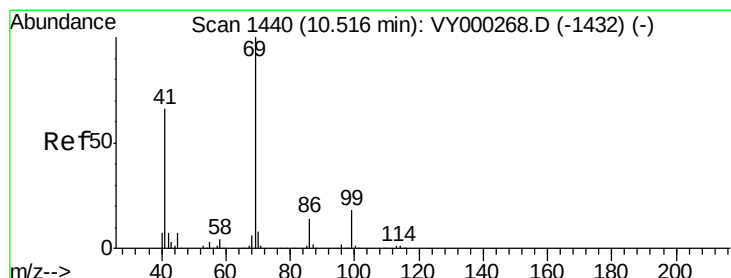
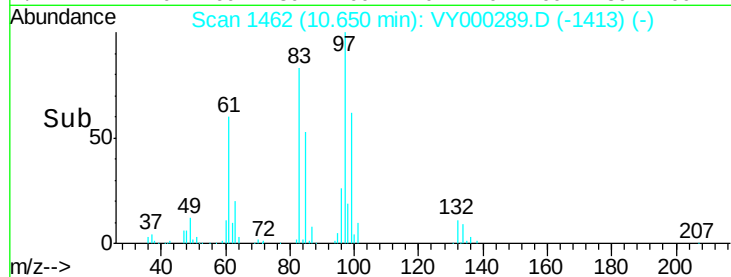
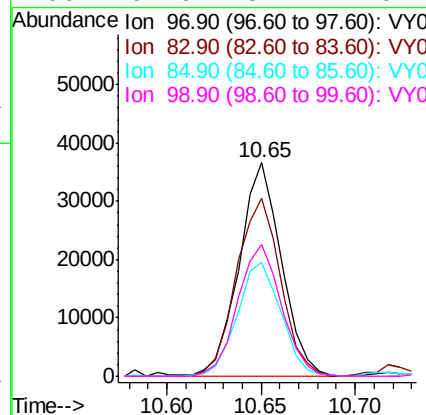
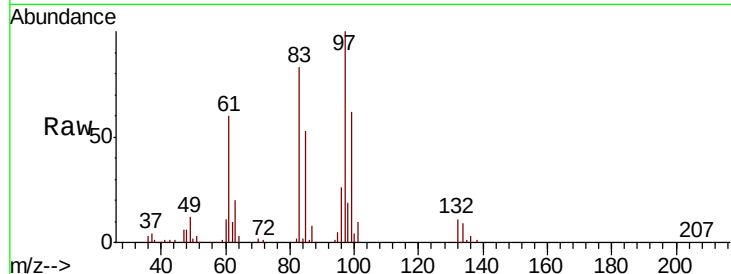
#55
 1,1,2-Trichloroethane
 Concen: 20.453 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	56596
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.0	103.6
85	53.3	46.2	69.4
99	61.9	51.1	76.7

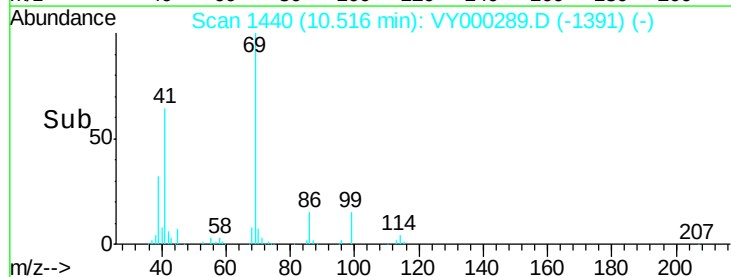
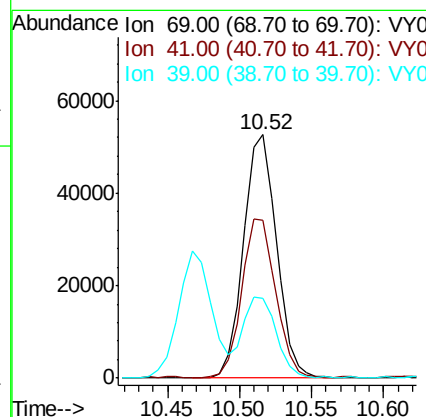
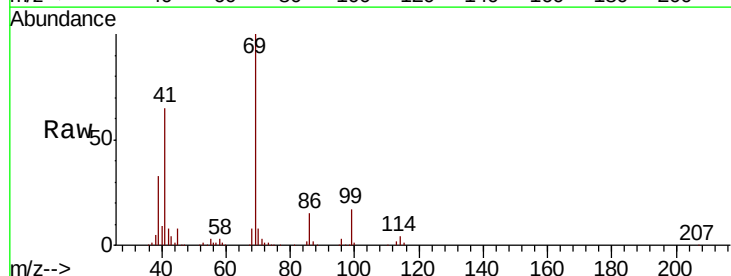
Manual Integrations
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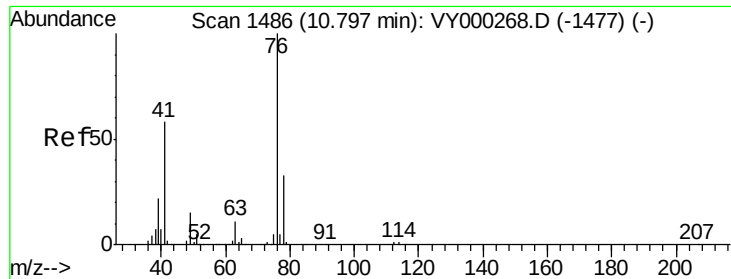
MMDadoda
 10/15/2019 12:34:19 PM



#56
 Ethyl methacrylate
 Concen: 21.260 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion:	69	Resp:	83852
Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.5	78.7
39	34.0	26.7	40.1





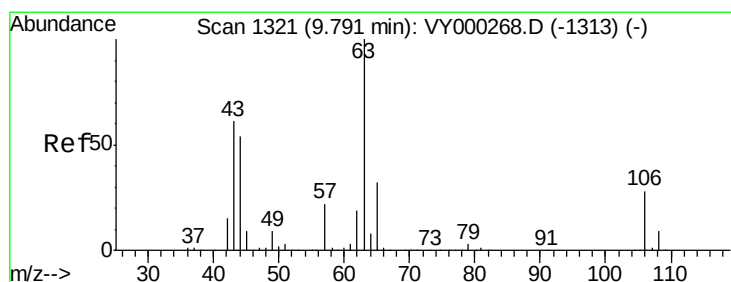
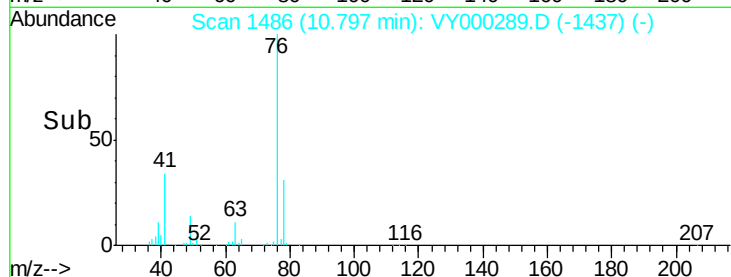
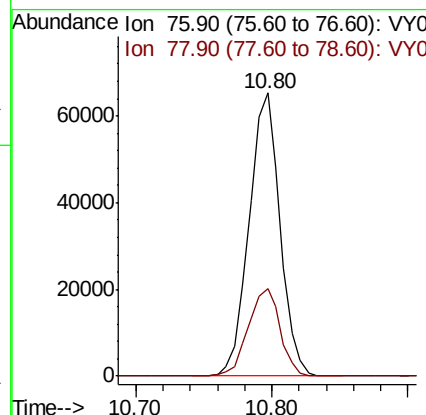
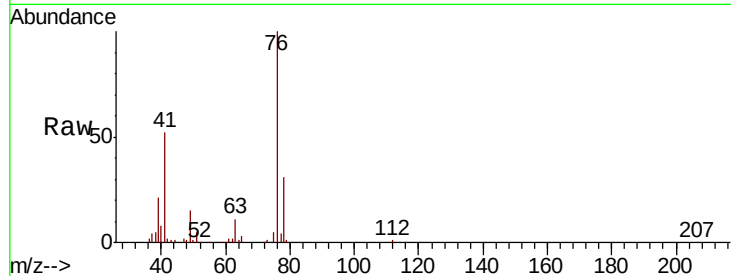
#57
 1,3-Dichloropropane
 Concen: 21.871 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.2

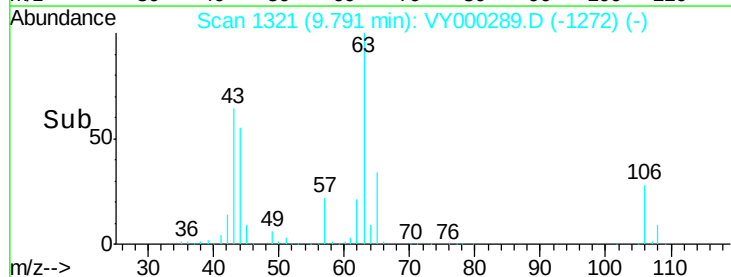
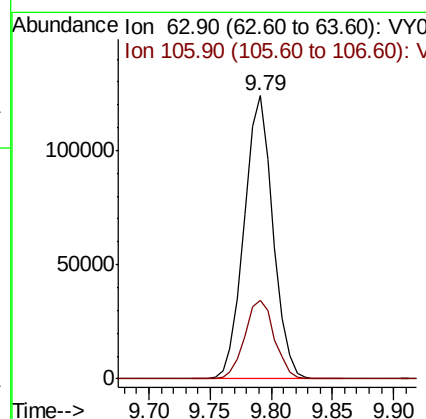
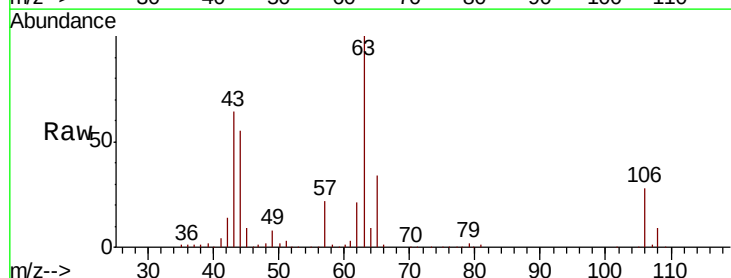
Manual Integrations
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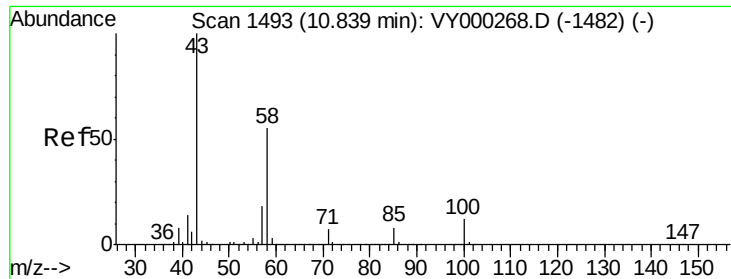
MMDadoda
 10/15/2019 12:34:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.585 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.4





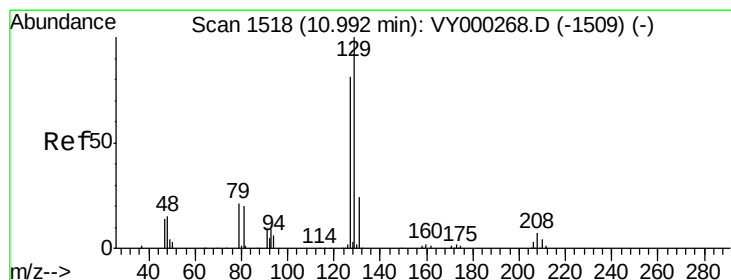
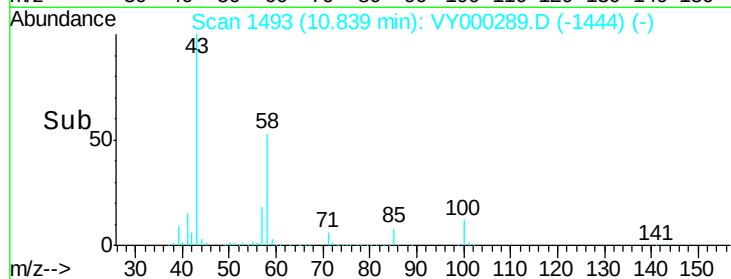
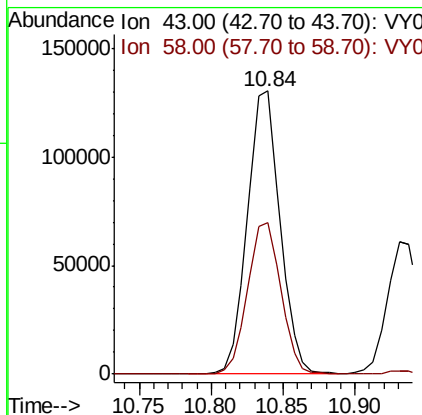
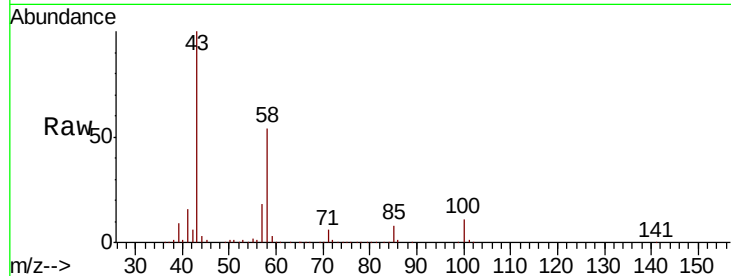
#59
2-Hexanone
Concen: 104.378 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 204234
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1

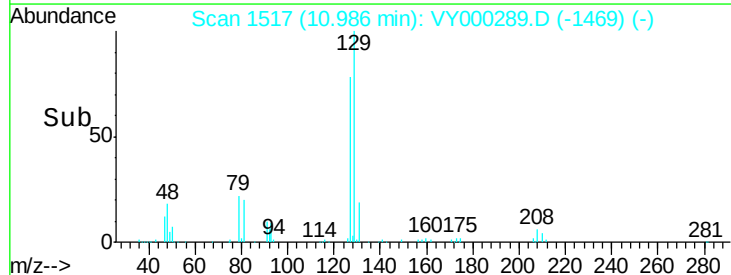
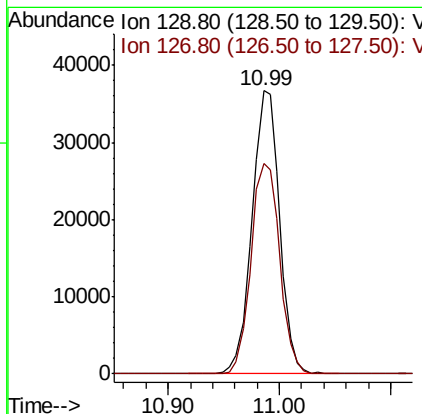
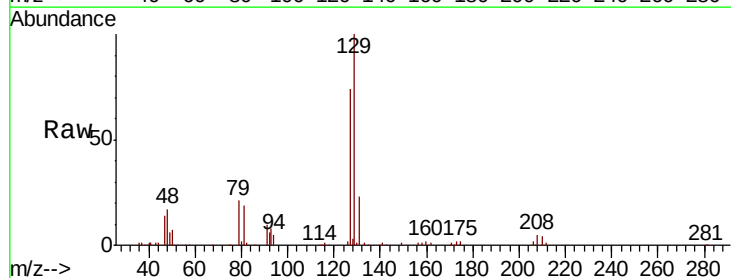
Manual Integrations
APPROVED

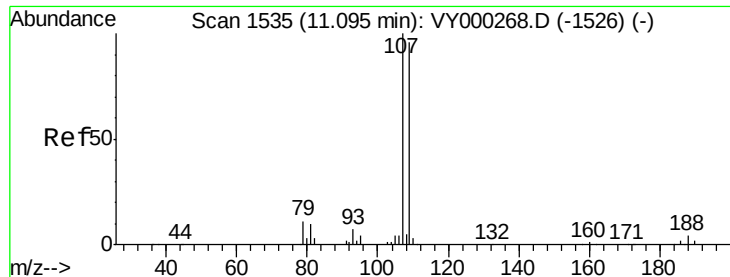
MMDadoda
10/15/2019 12:34:19 PM



#60
Dibromochloromethane
Concen: 20.680 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion: 129 Resp: 63427
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.7





#61

1,2-Dibromoethane

Concen: 21.022 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 55855

Ion Ratio Lower Upper

107 100

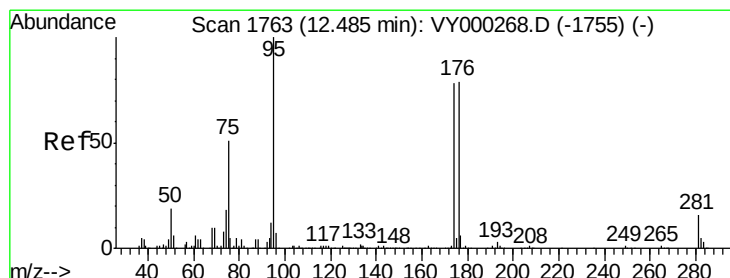
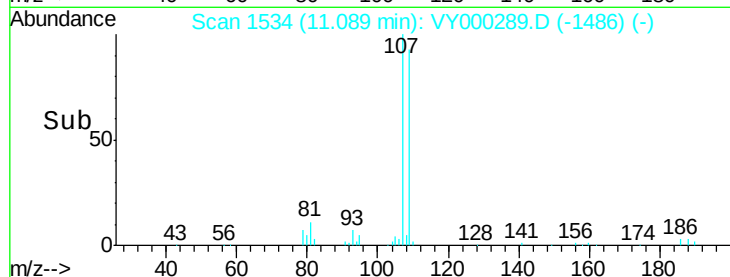
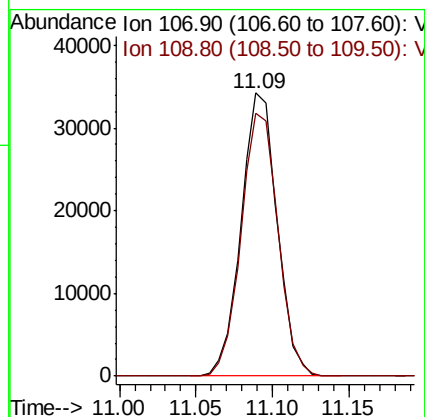
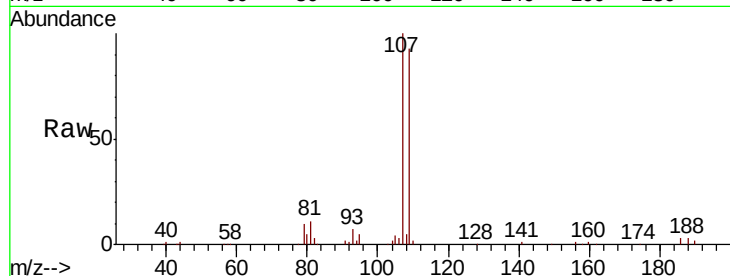
109 95.3 75.1 112.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.968 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

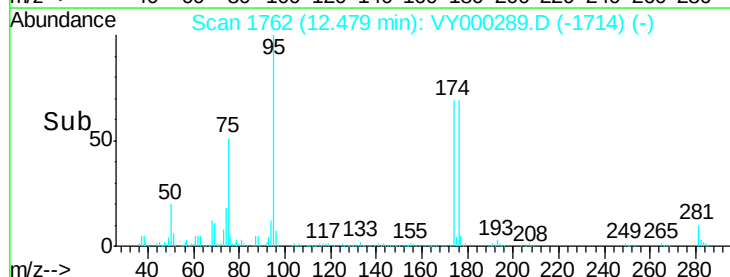
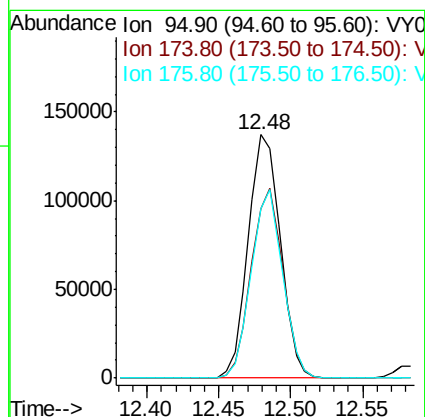
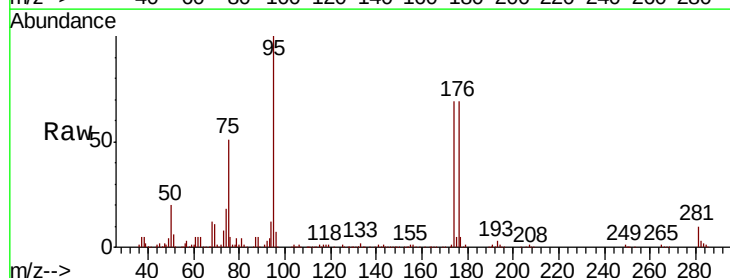
Tgt Ion: 95 Resp: 211660

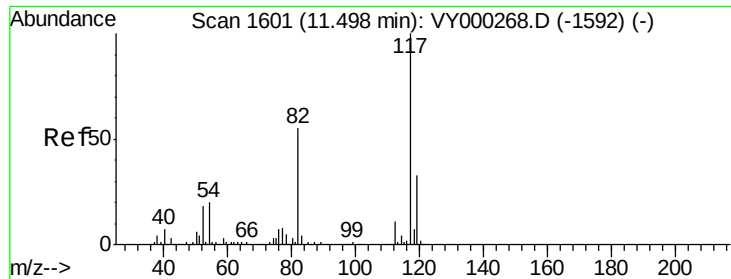
Ion Ratio Lower Upper

95 100

174 76.8 0.0 159.6

176 75.5 0.0 153.8





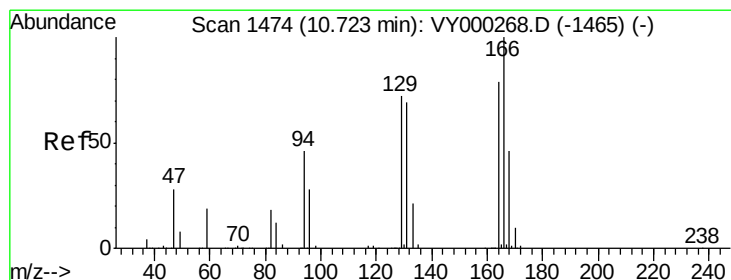
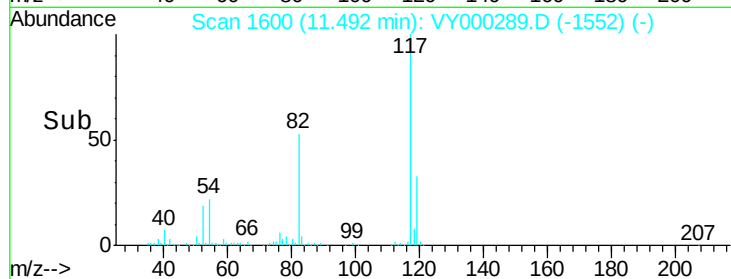
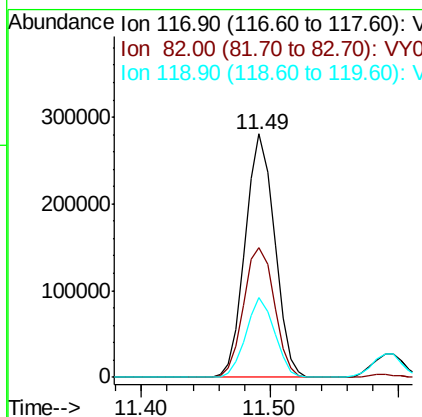
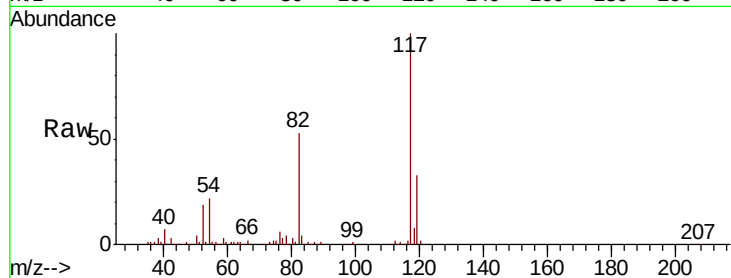
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.7	65.5
119	32.6	26.6	39.8

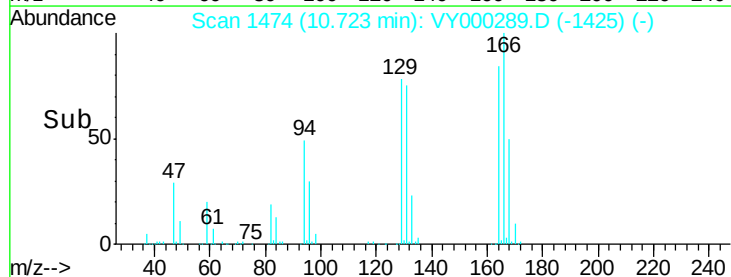
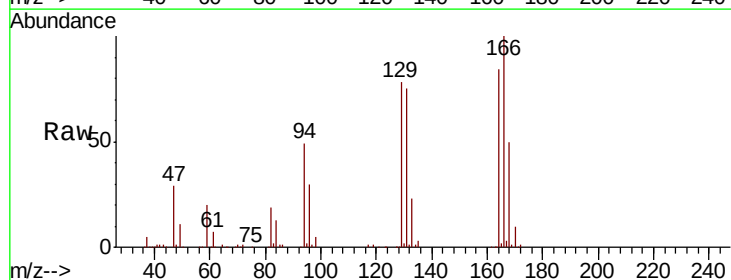
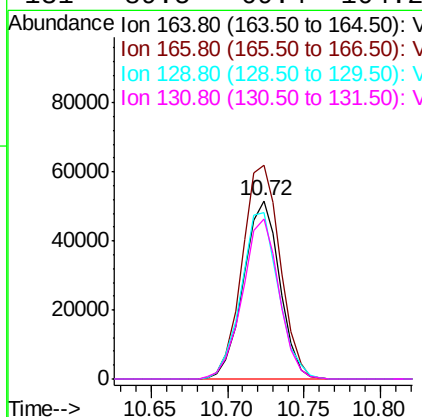
Manual Integrations
APPROVED

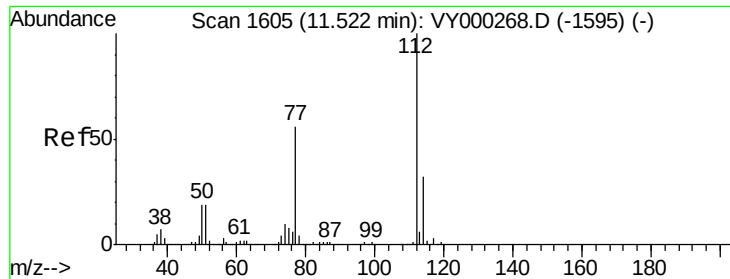
MMDadoda
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#64
Tetrachloroethene
Concen: 20.119 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	100.6	151.0
129	93.1	72.8	109.2
131	89.5	69.4	104.2





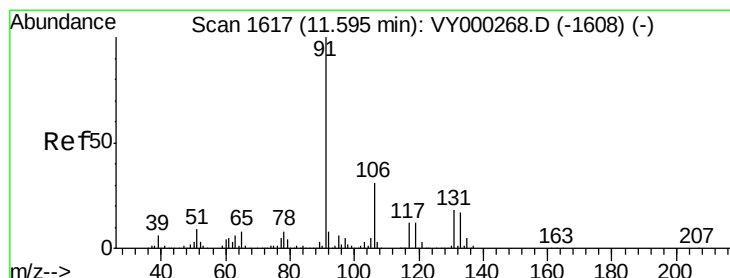
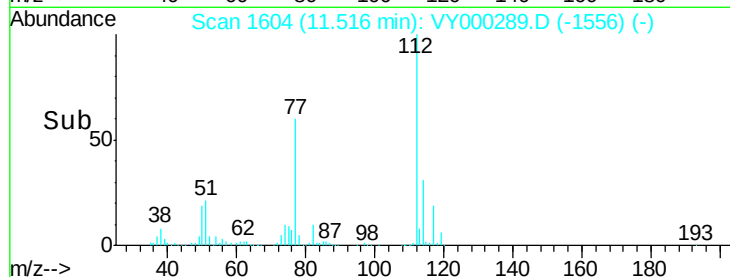
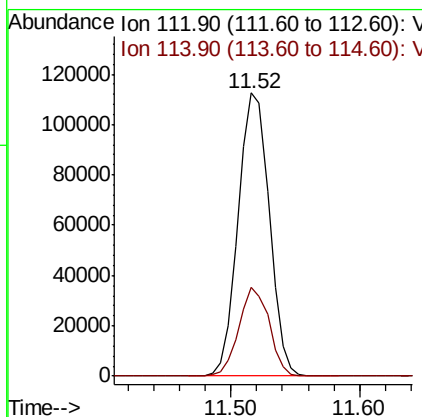
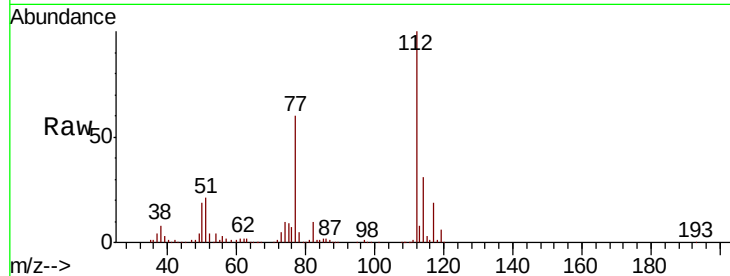
#65
Chlorobenzene
Concen: 20.151 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.7	38.5

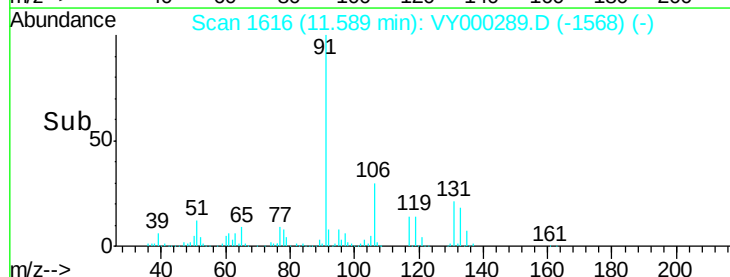
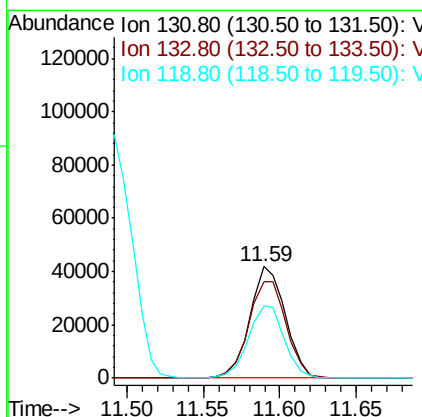
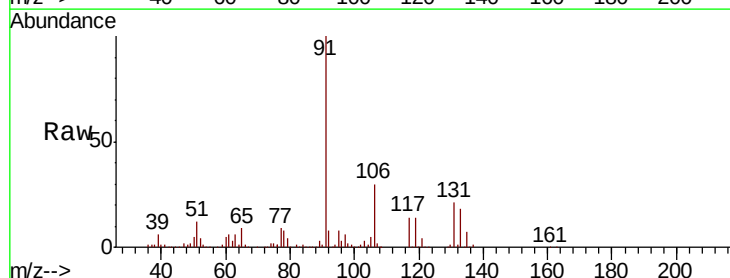
Manual Integrations
APPROVED

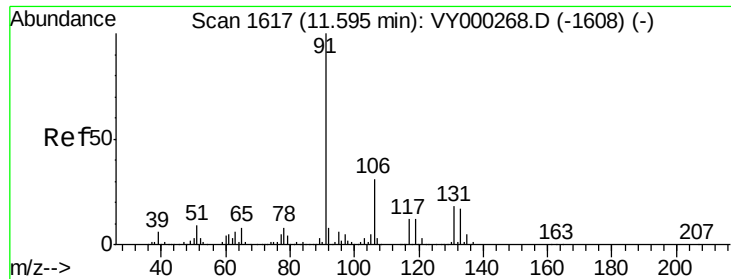
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.474 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.2	141.6
119	66.4	32.6	98.0





#67

Ethyl Benzene

Concen: 19.624 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 340413

Ion Ratio Lower Upper

91 100

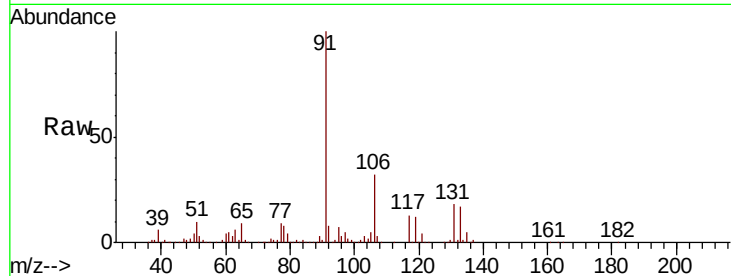
106 31.9 25.0 37.6

Manual Integrations

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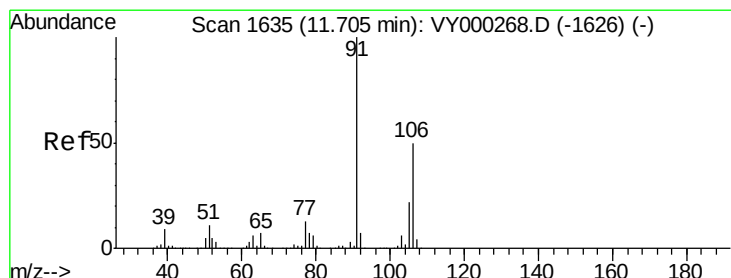
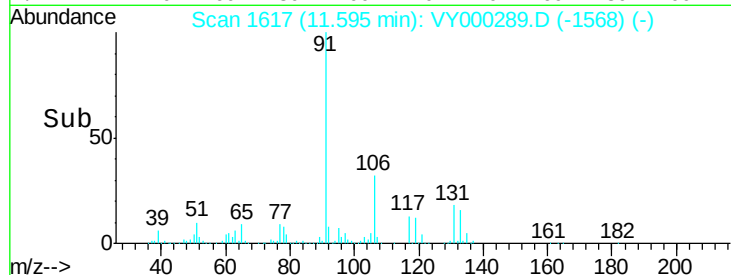
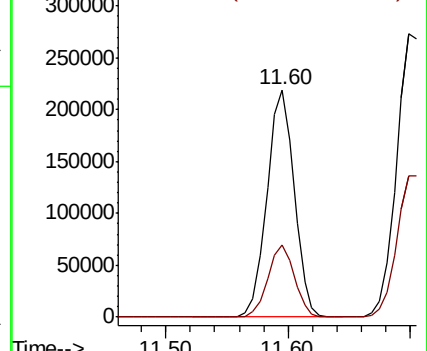
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.009 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VY000289.D

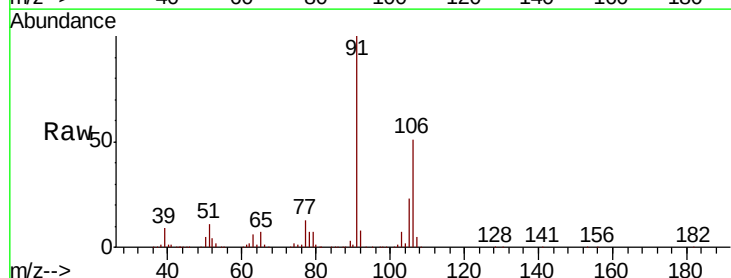
Acq: 11 Oct 2019 22:25

Tgt Ion: 106 Resp: 258691

Ion Ratio Lower Upper

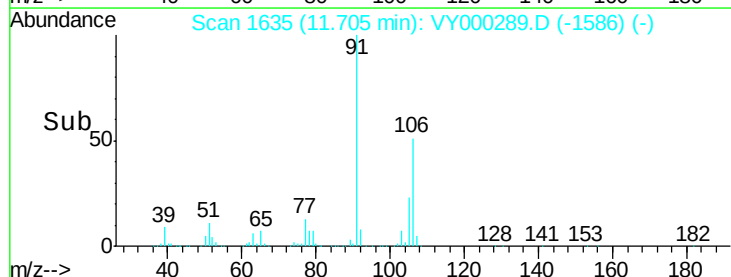
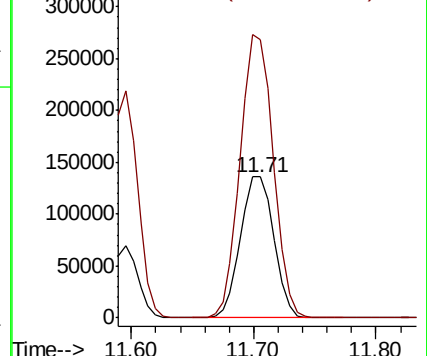
106 100

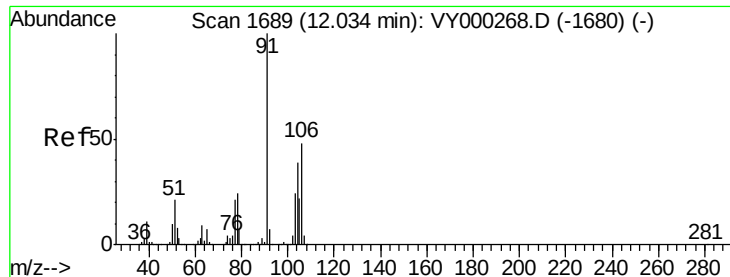
91 198.7 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





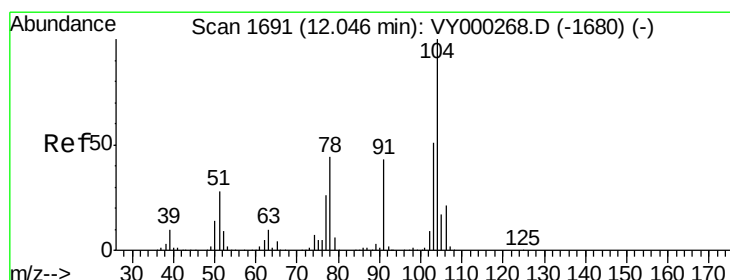
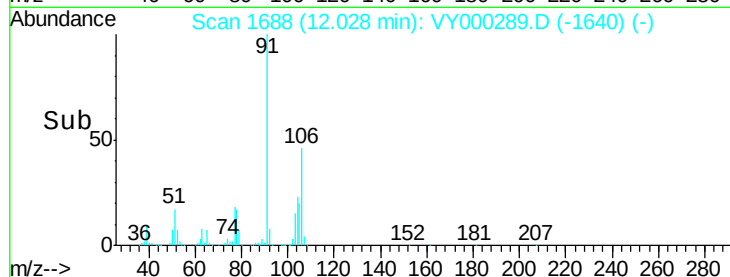
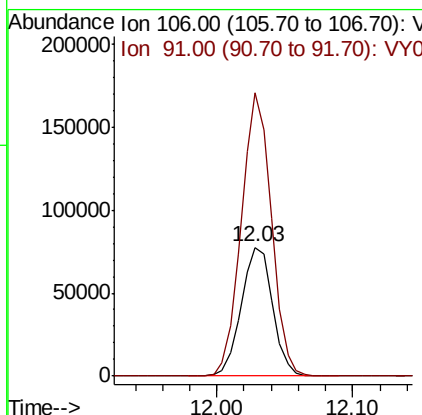
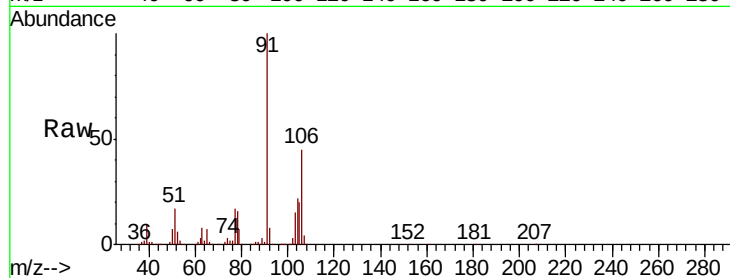
#69
o-Xylene
Concen: 19.686 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	104.7	313.9	

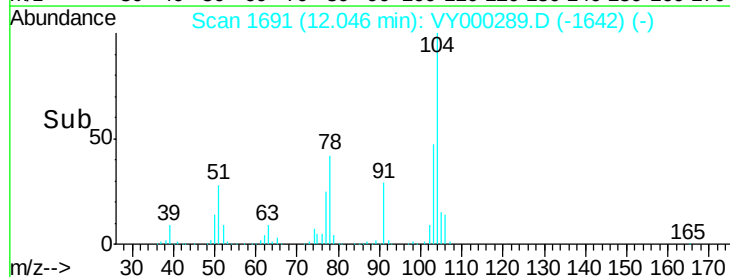
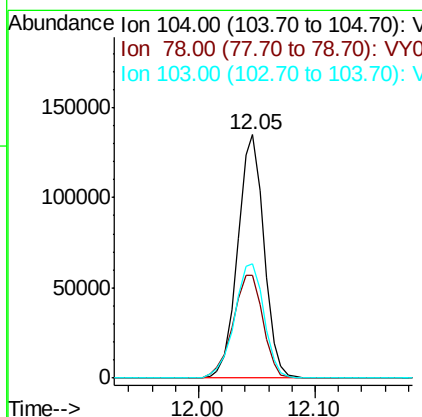
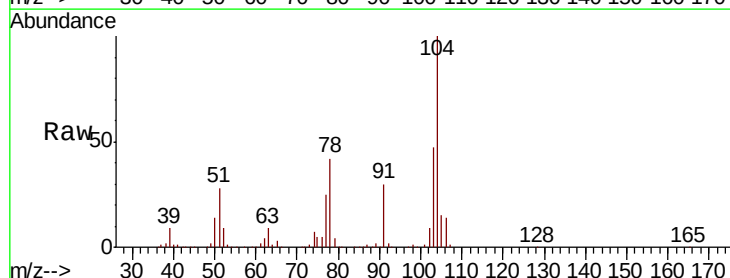
Manual Integrations
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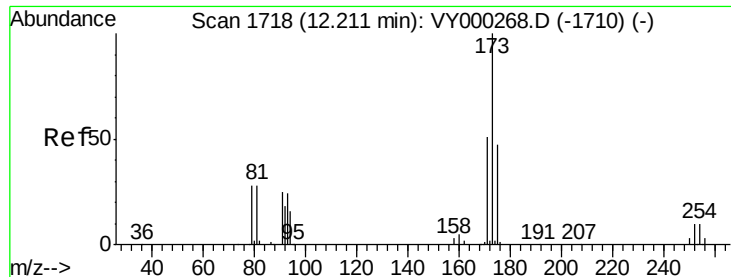
MMDadoda
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#70
Styrene
Concen: 19.882 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	39.0	58.6	
103	53.2	43.1	64.7	





#71

Bromoform

Concen: 20.850 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 39400

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.6

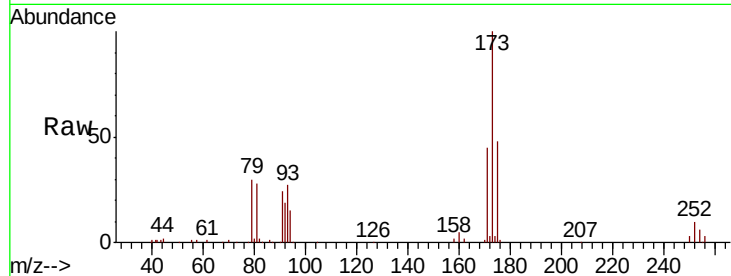
254 0.1 0.1 0.1#

Manual Integrations

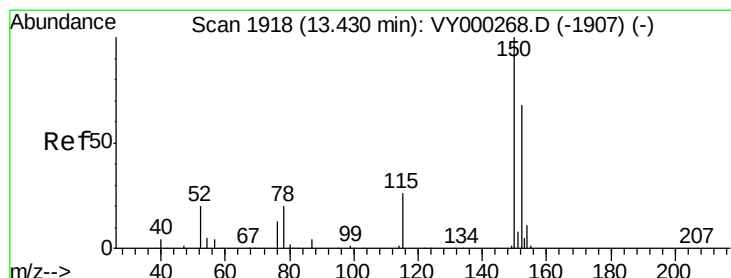
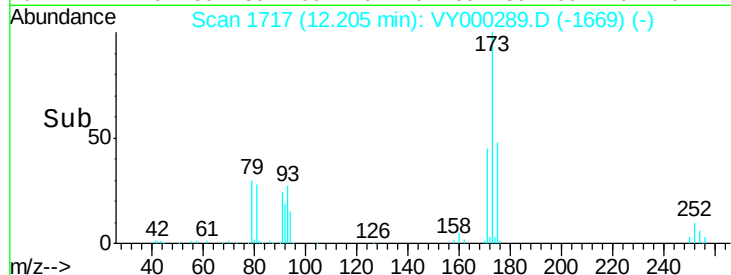
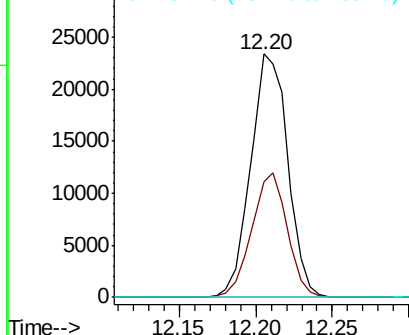
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

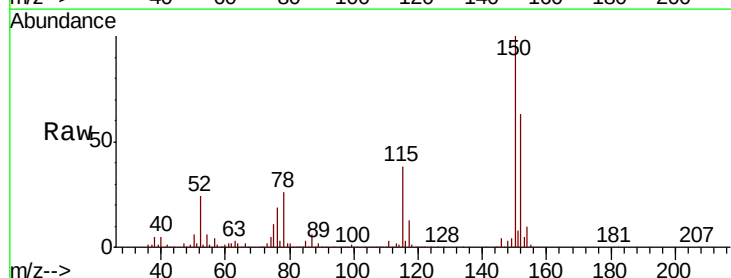
Tgt Ion:152 Resp: 214089

Ion Ratio Lower Upper

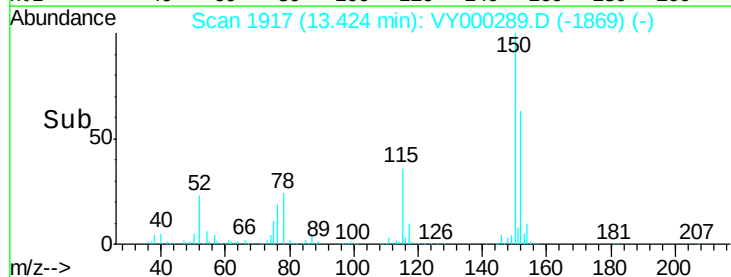
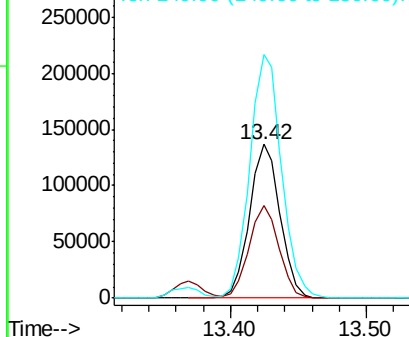
152 100

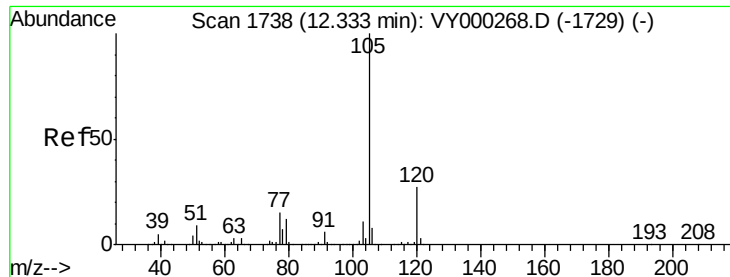
115 59.2 29.3 88.0

150 166.0 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





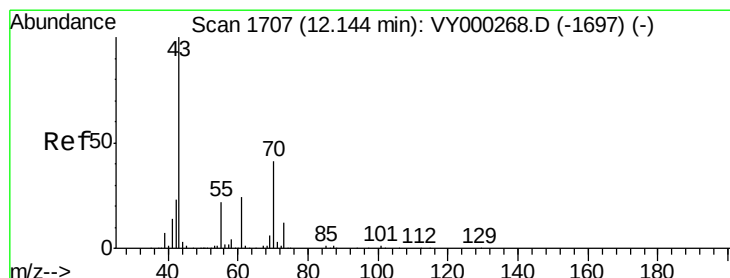
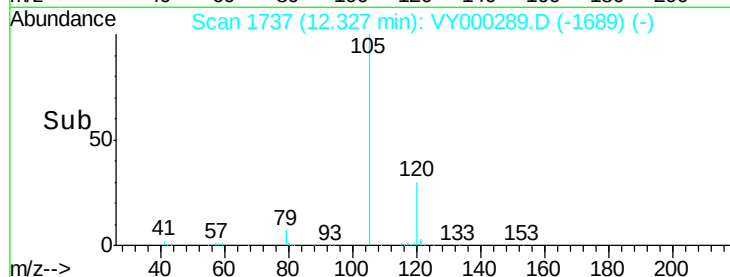
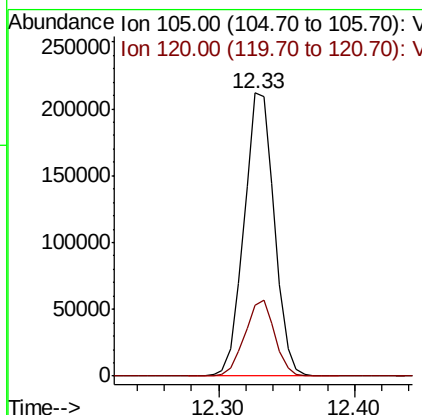
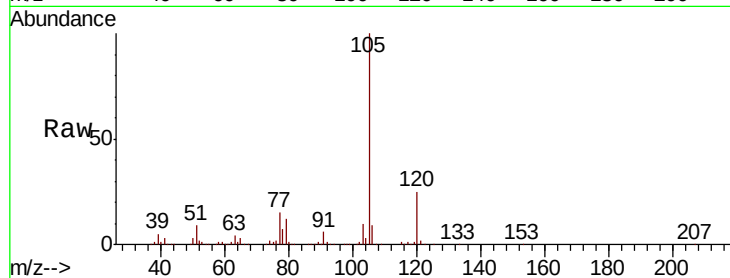
#73
Isopropylbenzene
Concen: 19.676 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

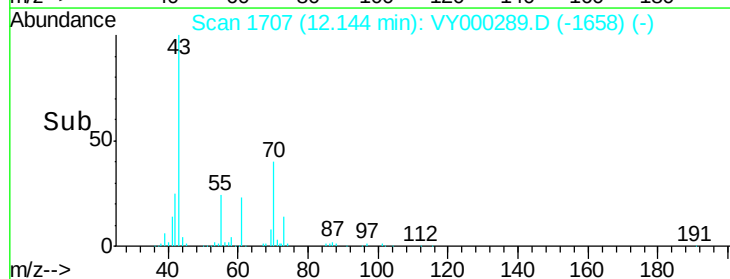
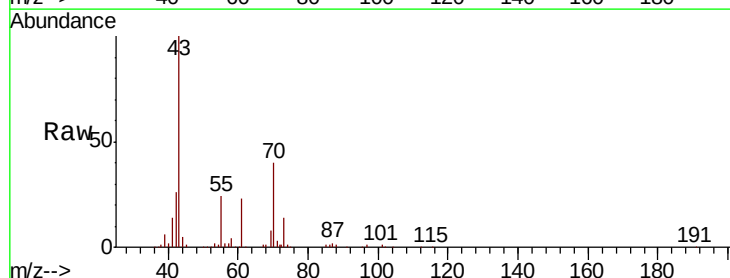
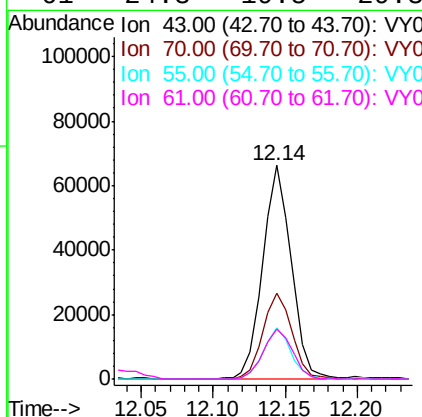
Manual Integrations
APPROVED

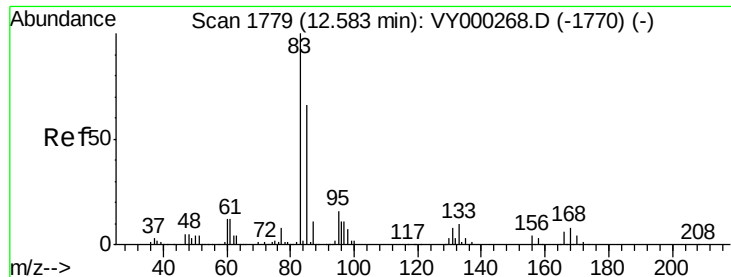
MMDadoda
10/15/2019 12:34:19 PM



#74
N-ethyl acetate
Concen: 22.136 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.9	49.3
55	23.4	17.8	26.6
61	24.3	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.190 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

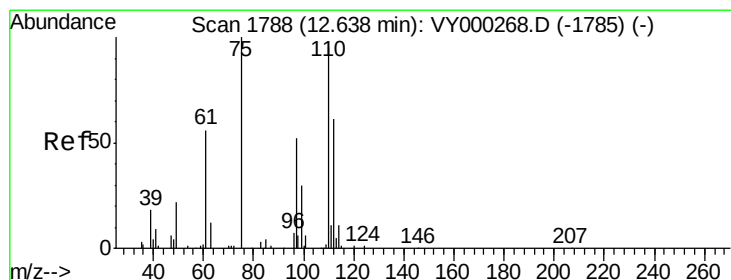
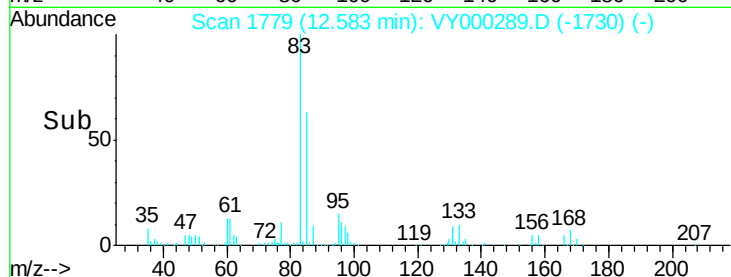
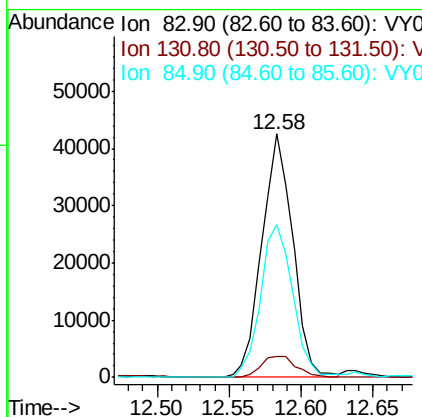
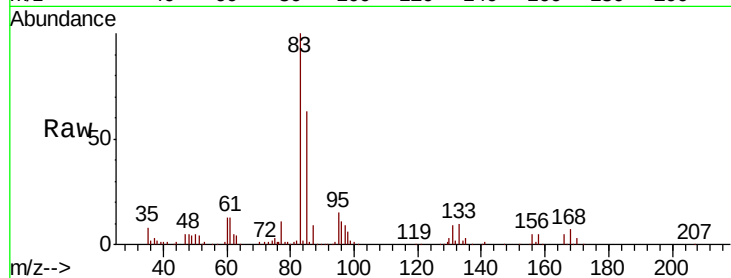
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	63280
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	64.5	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.868 ug/l m

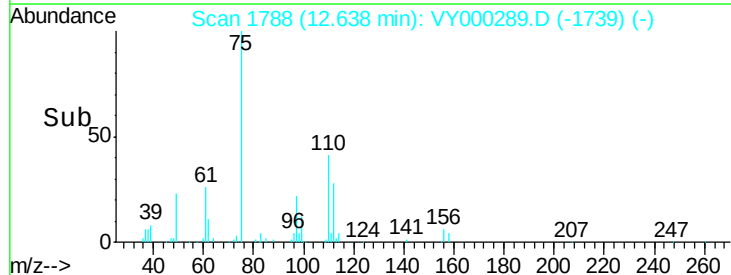
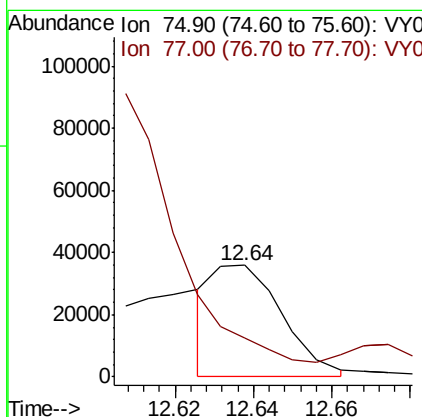
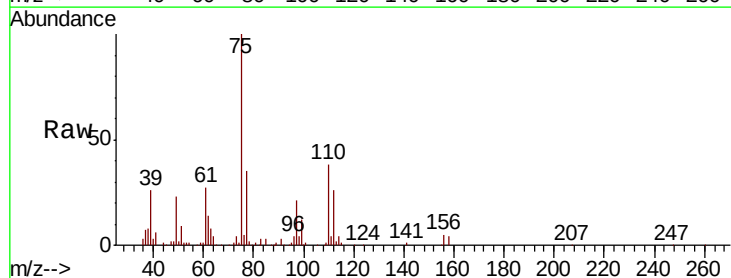
RT: 12.64 min Scan# 1788

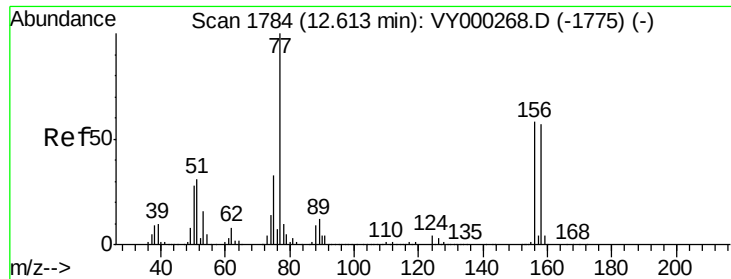
Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	75	Resp:	44407
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.462 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 76010

Ion Ratio Lower Upper

156 100

77 201.9 101.0 302.9

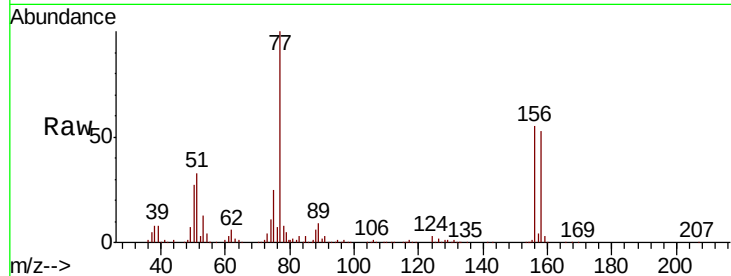
158 96.1 49.7 149.1

Manual Integrations

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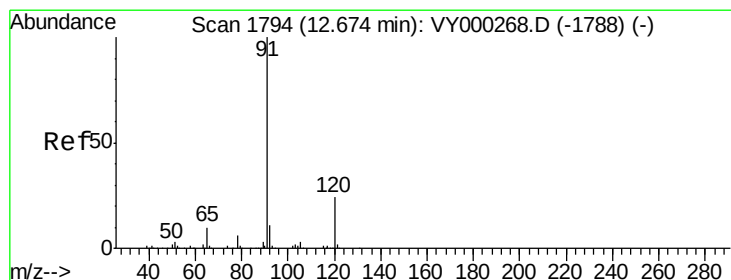
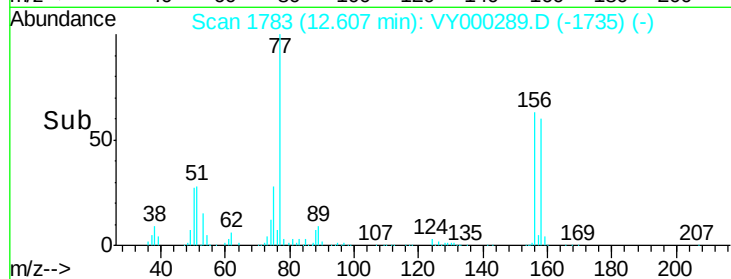
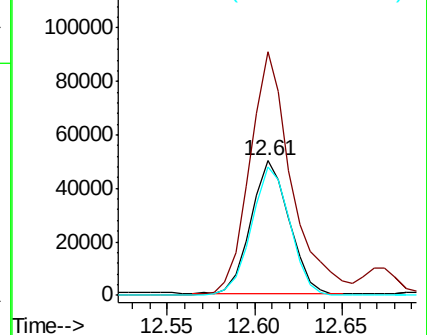
10/15/2019 12:34:19 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.594 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000289.D

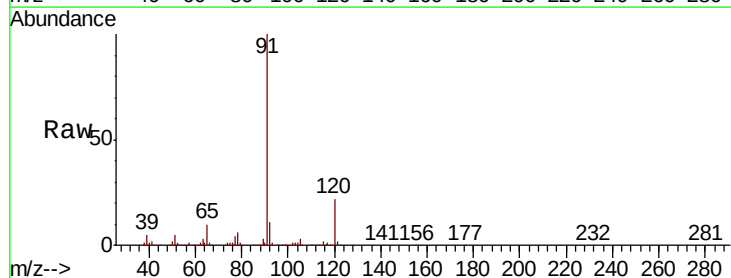
Acq: 11 Oct 2019 22:25

Tgt Ion: 91 Resp: 392724

Ion Ratio Lower Upper

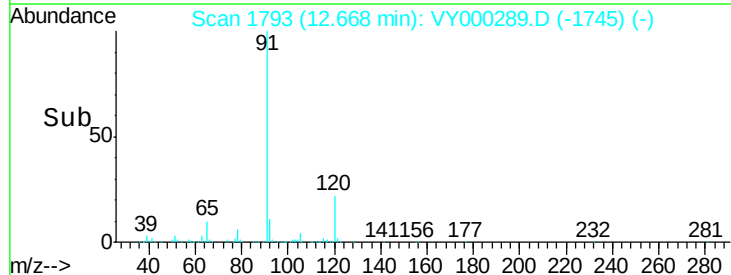
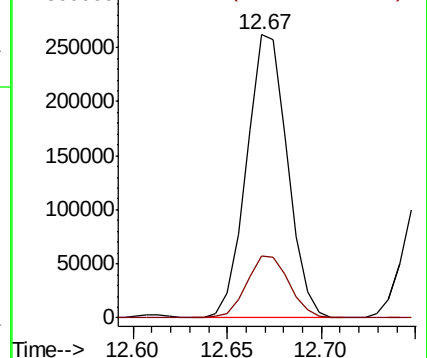
91 100

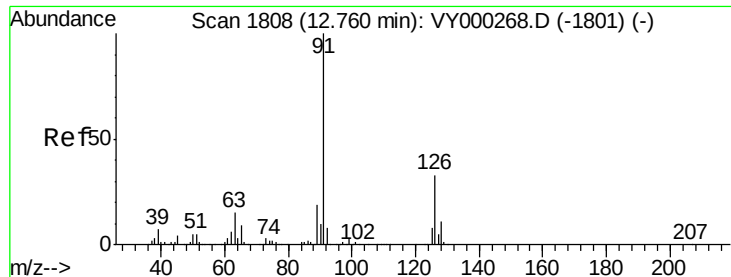
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.427 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 226106

Ion Ratio Lower Upper

91 100

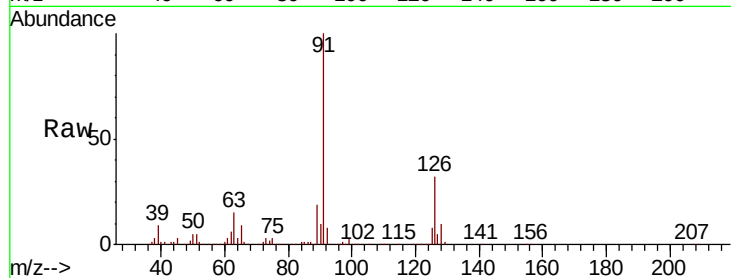
126 33.4 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

250000

200000

150000

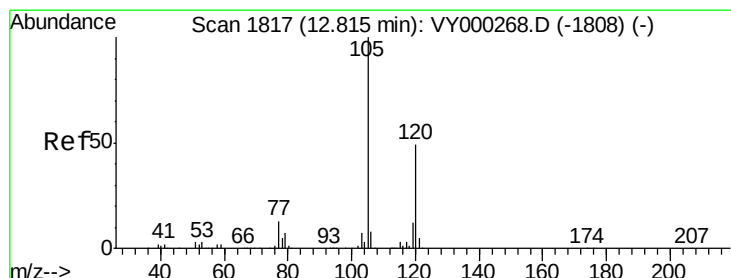
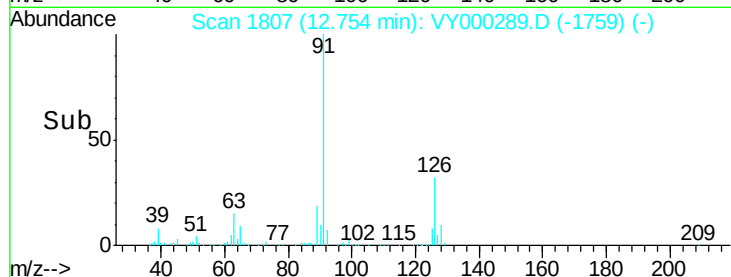
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.863 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000289.D

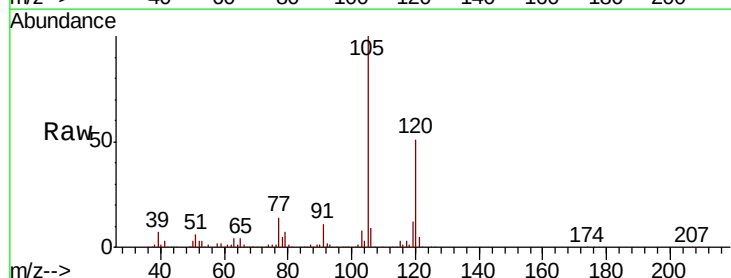
Acq: 11 Oct 2019 22:25

Tgt Ion:105 Resp: 278038

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

200000

150000

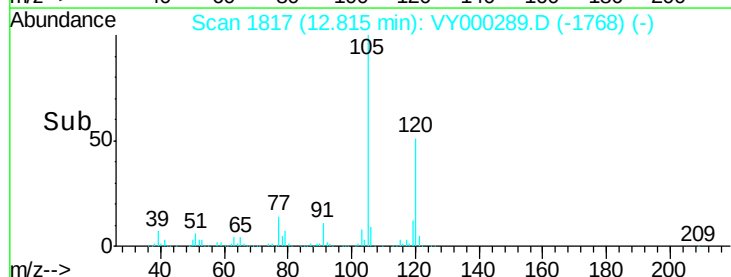
100000

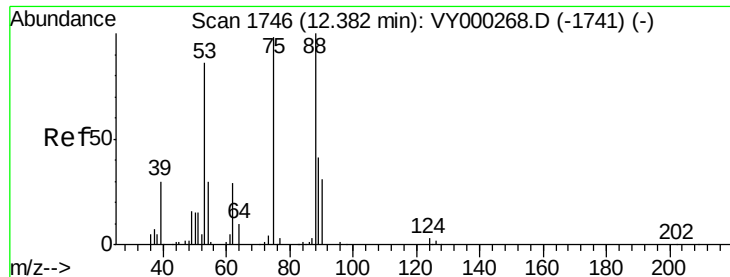
50000

0

12.70 12.80 12.90

Time-->





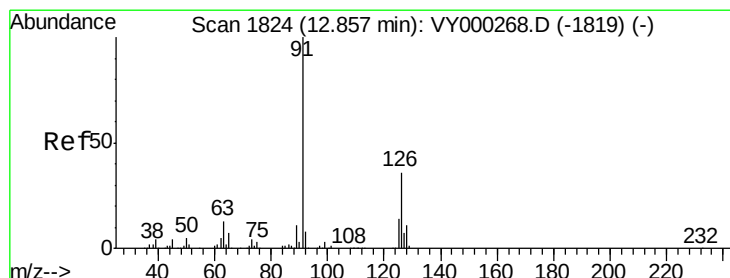
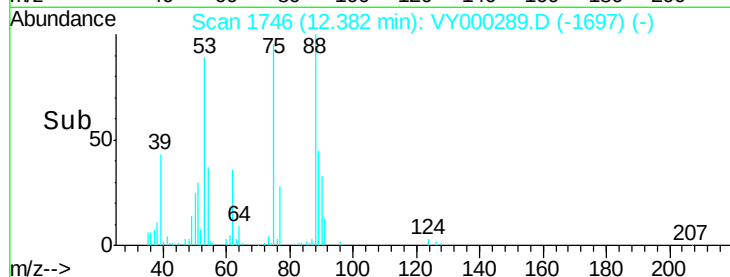
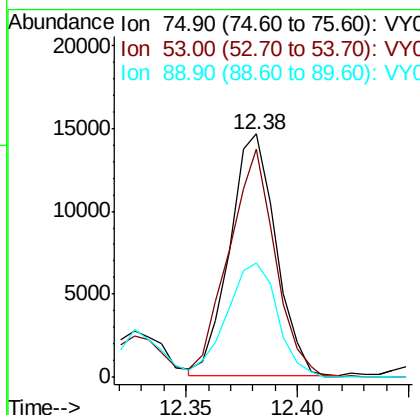
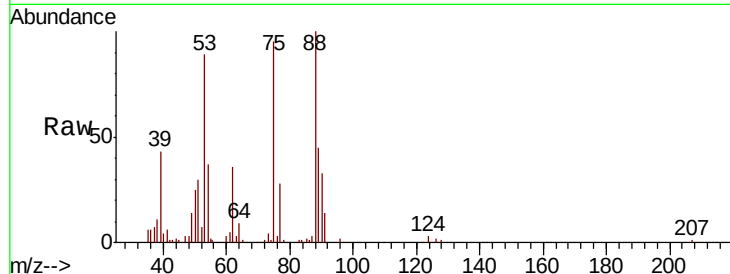
#81
trans-1,4-Dichloro-2-butene
Concen: 17.457 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	71.3	106.9
89	52.0	35.1	52.7

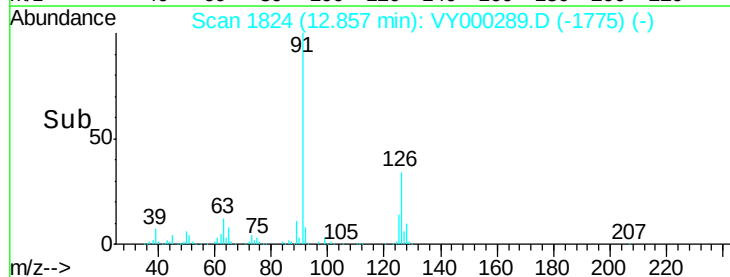
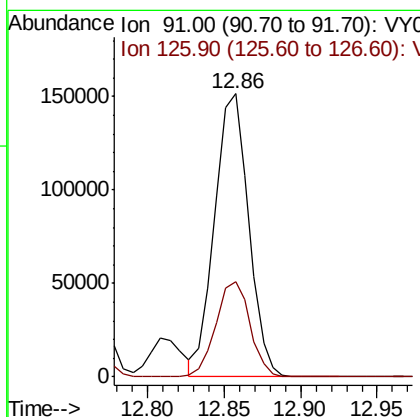
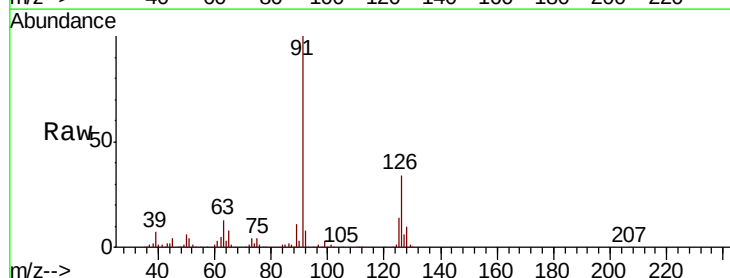
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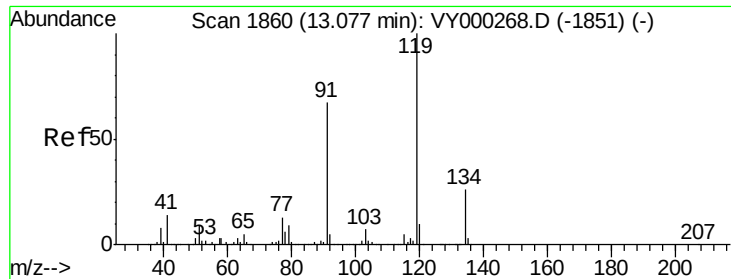
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#82
4-Chlorotoluene
Concen: 20.079 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.5





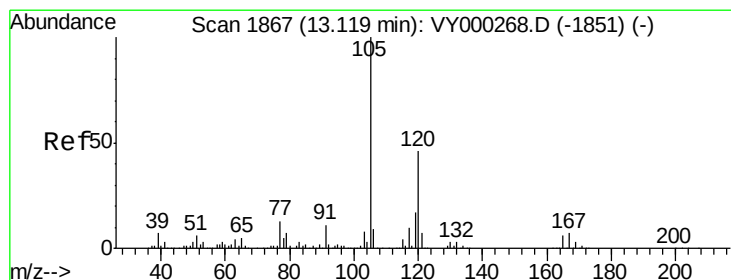
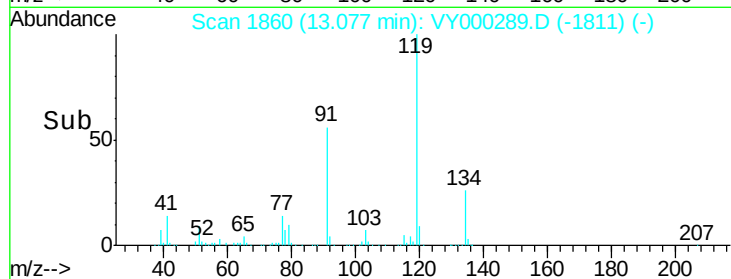
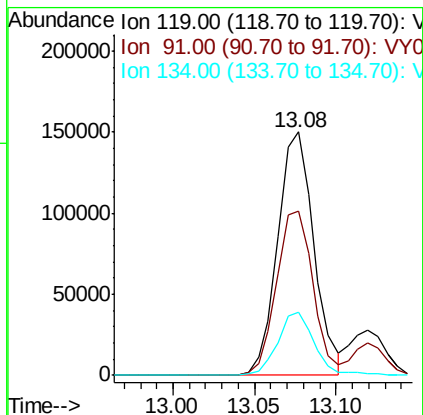
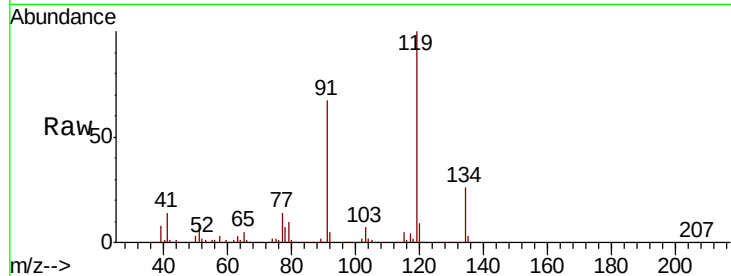
#83
 tert-Butylbenzene
 Concen: 19.480 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	32.9	98.7
134	26.2	13.3	39.8

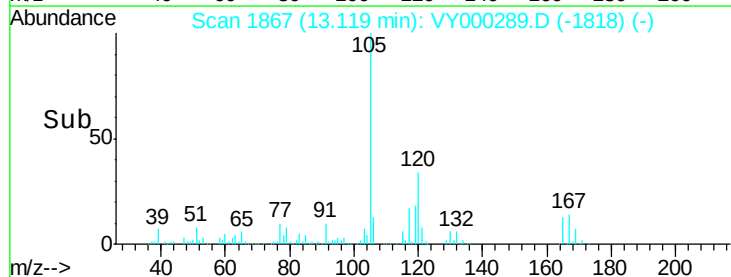
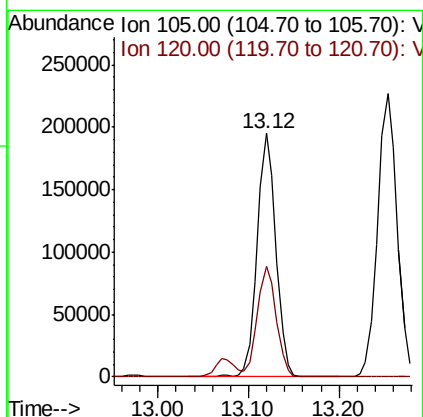
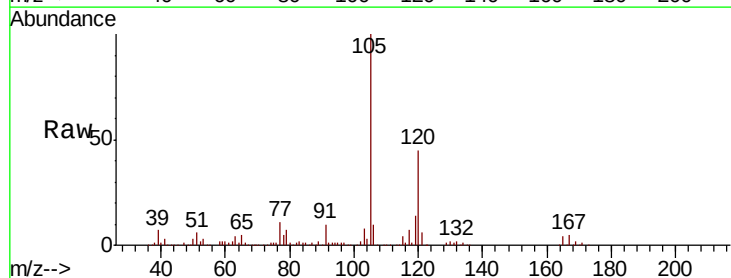
Manual Integrations
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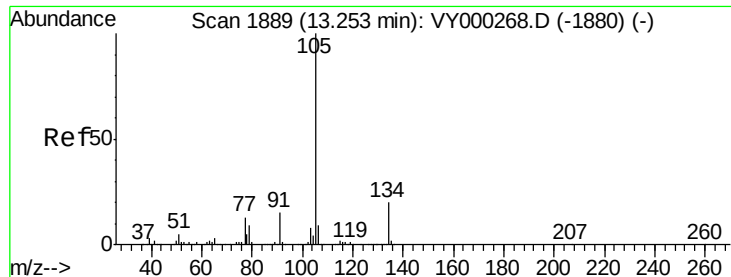
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.167 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.692 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 337686

Ion Ratio Lower Upper

105 100

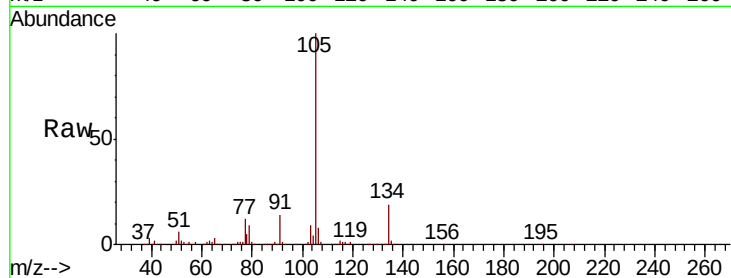
134 19.7 10.1 30.1

Manual Integrations

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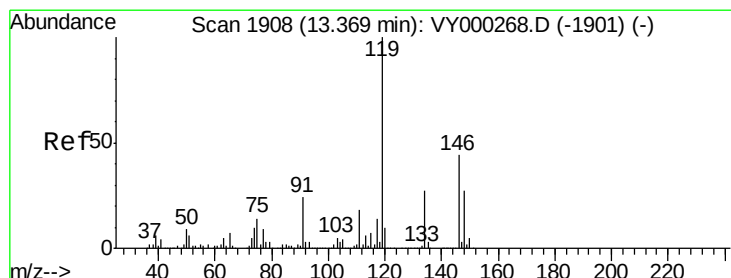
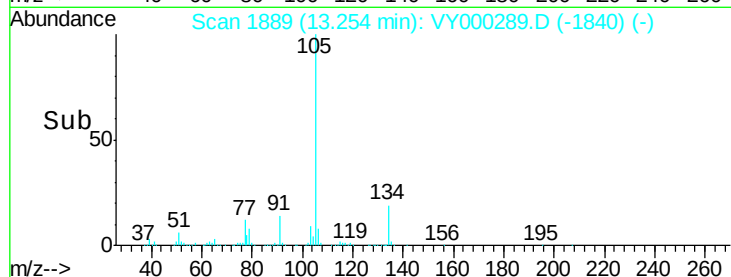
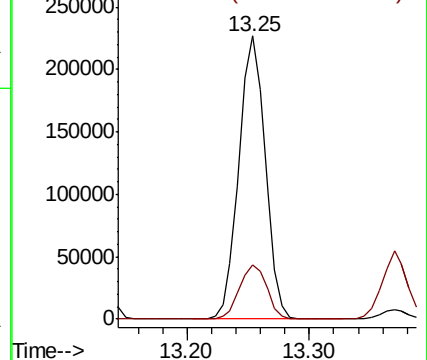
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.565 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

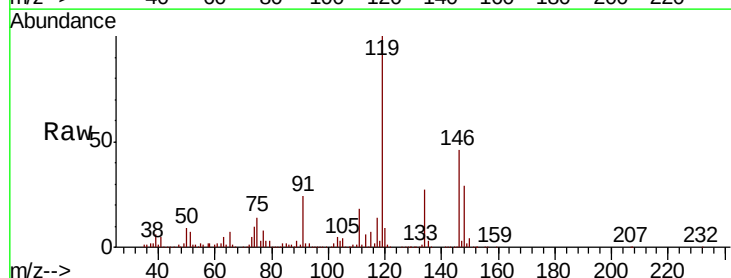
Tgt Ion:119 Resp: 292496

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

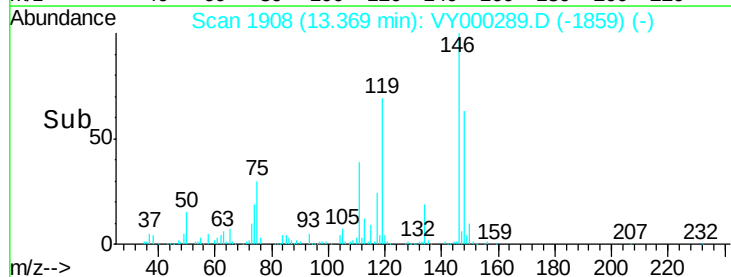
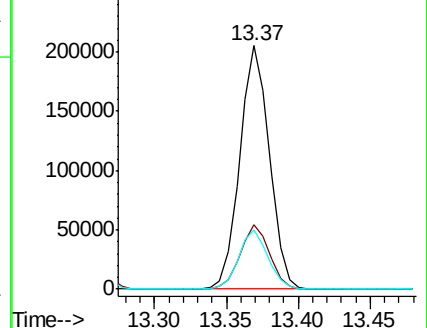
91 24.1 12.0 36.1

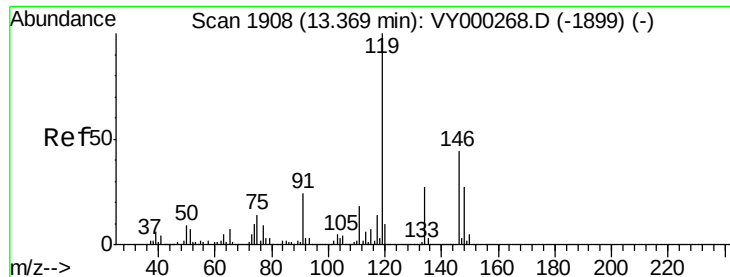


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 19.837 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Instrument :

MSVOA_Y

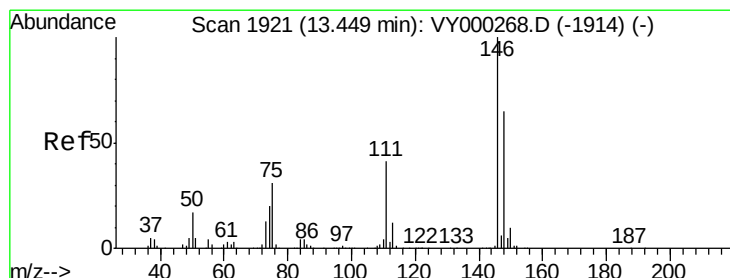
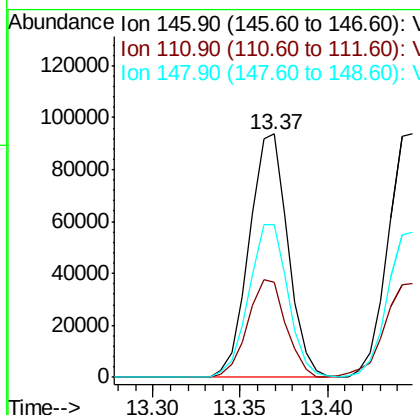
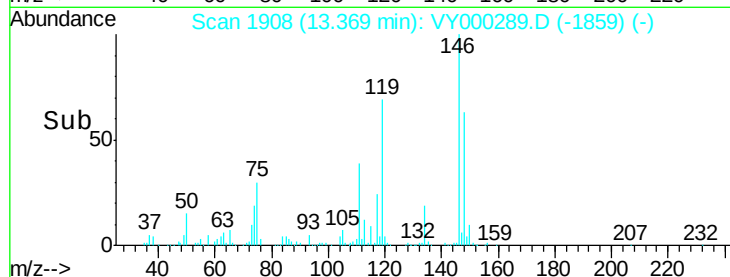
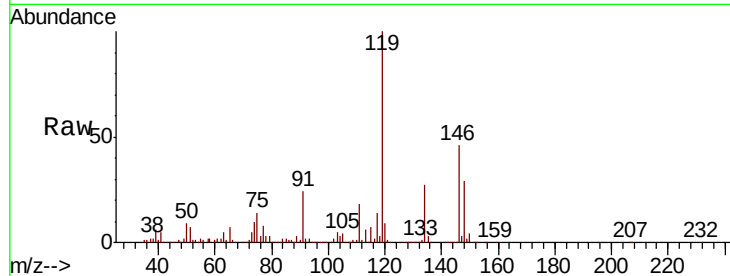
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	145184
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.6	61.8
148	63.4	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.826 ug/l

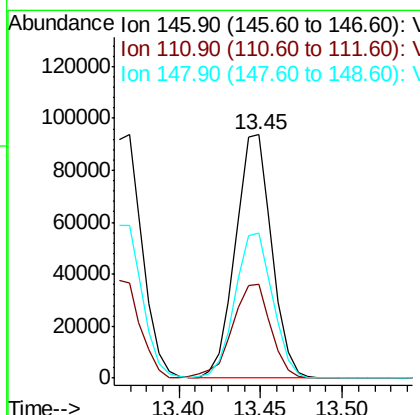
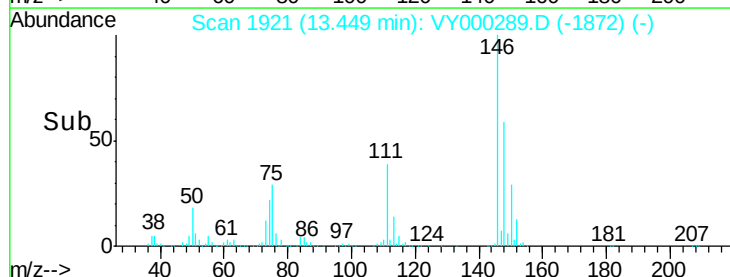
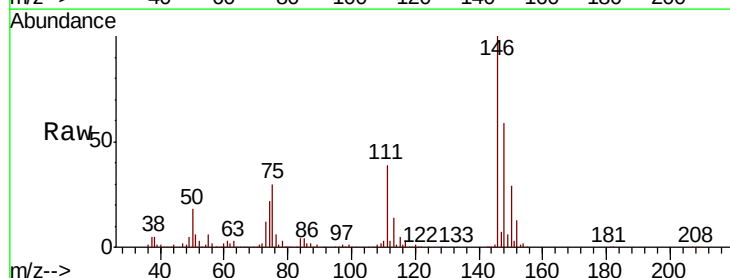
RT: 13.45 min Scan# 1921

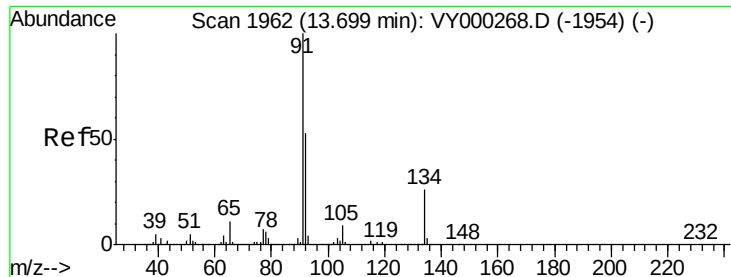
Delta R.T. 0.00 min

Lab File: VY000289.D

Acq: 11 Oct 2019 22:25

Tgt Ion:	146	Resp:	145037
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.1	60.2
148	61.9	32.4	97.2





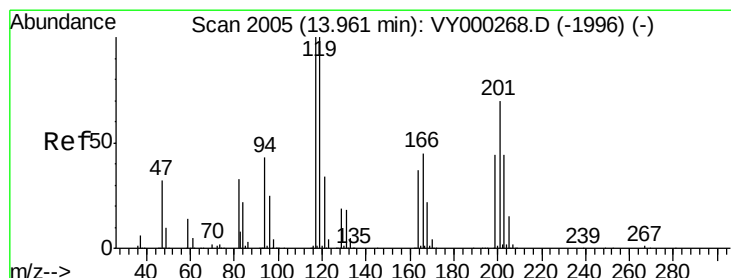
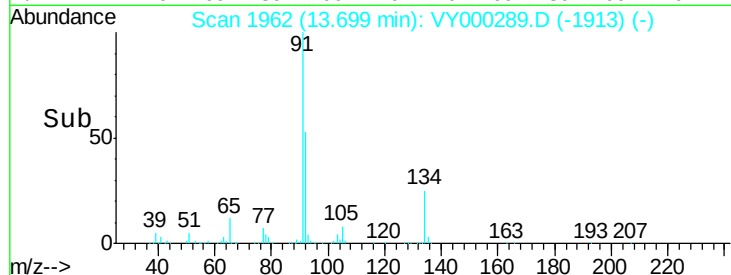
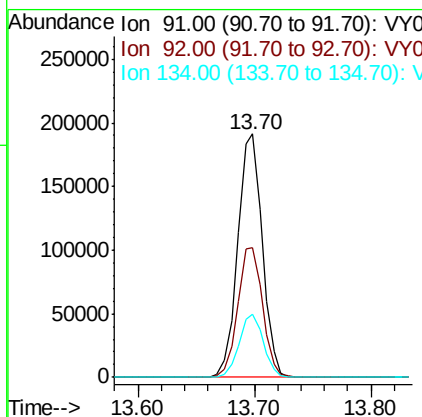
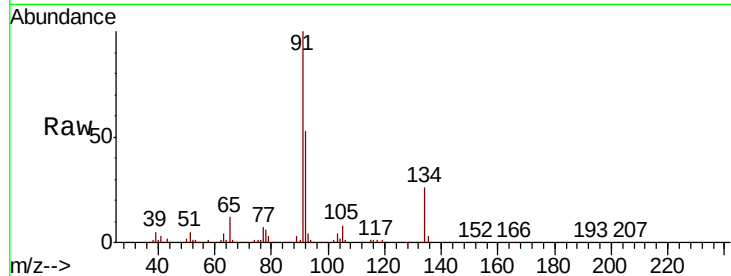
#89
n-Butylbenzene
Concen: 18.968 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.1
134	25.7	13.0	38.9

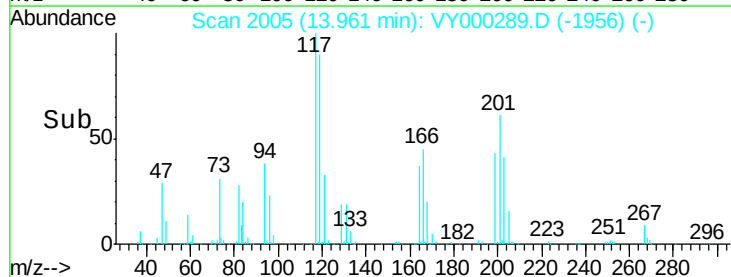
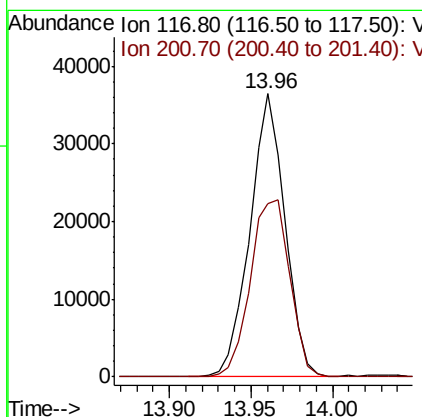
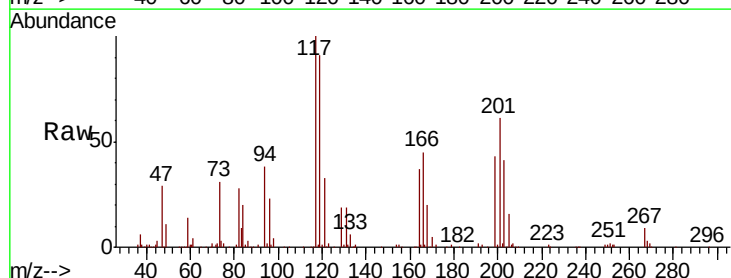
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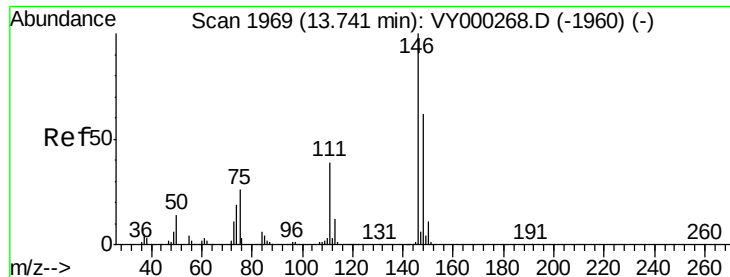
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#90
Hexachloroethane
Concen: 19.752 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	36.3	108.7





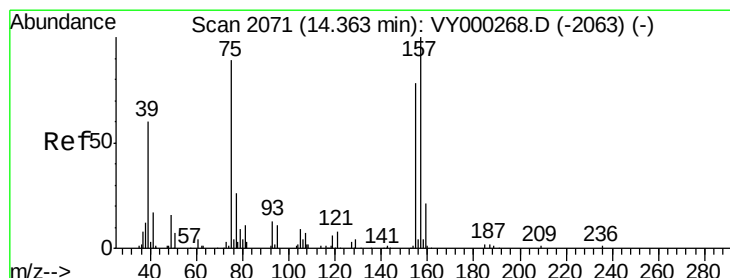
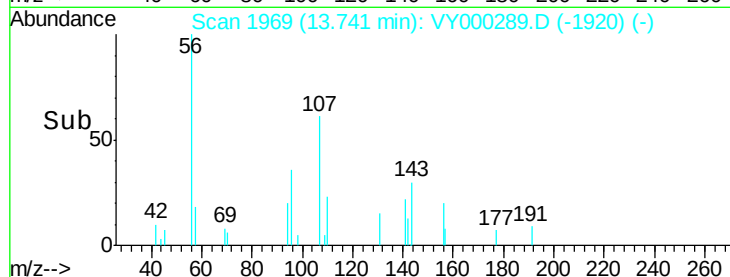
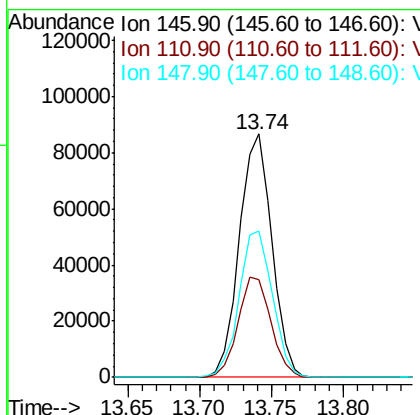
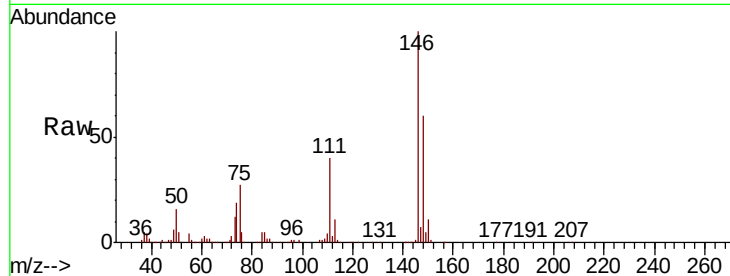
#91
 1,2-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	136122
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.5	61.5
148	61.7	31.6	95.0

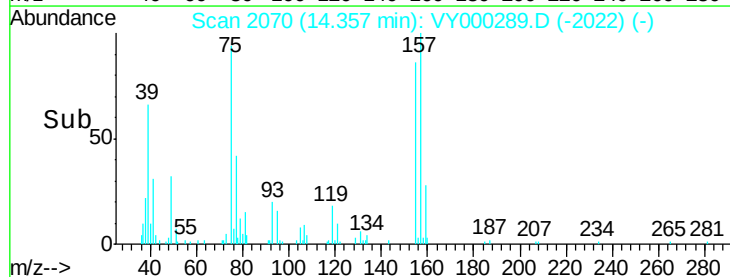
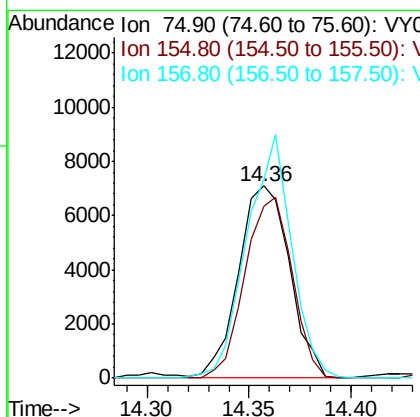
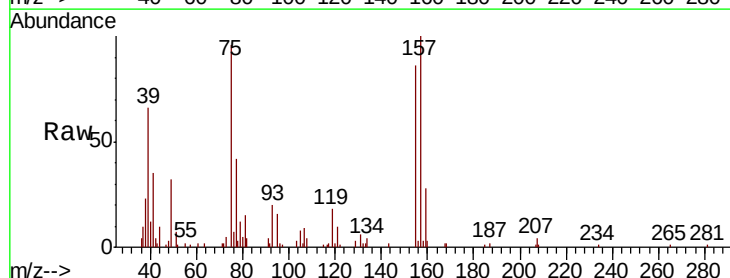
Manual Integrations
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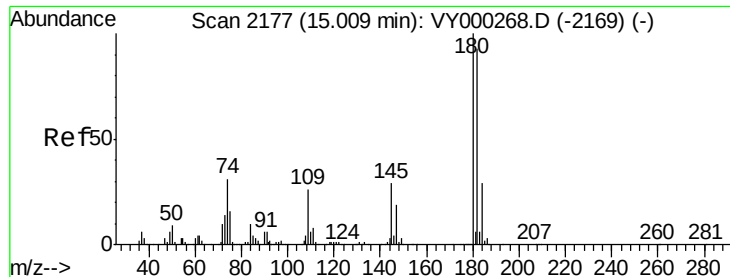
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.884 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion:	75	Resp:	12414
Ion Ratio	Lower	Upper	
75	100		
155	86.5	45.8	137.3
157	111.0	55.6	166.9





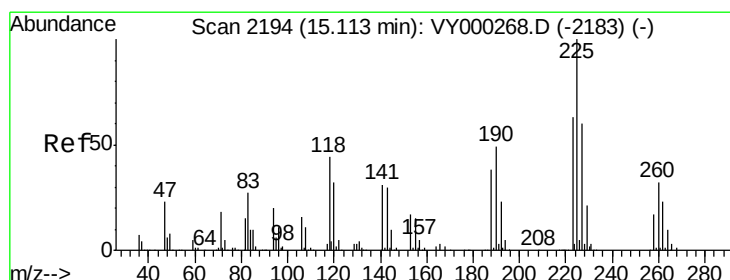
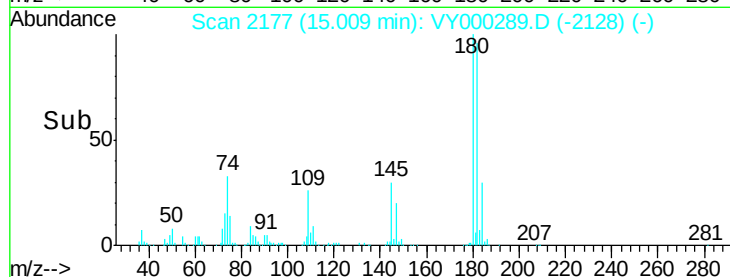
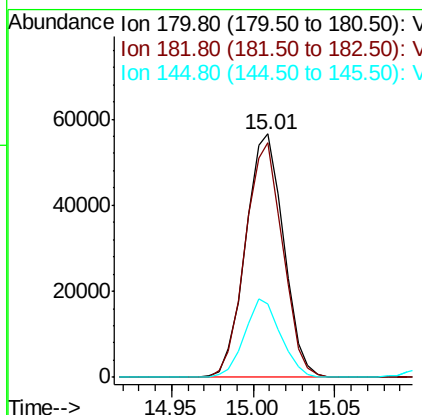
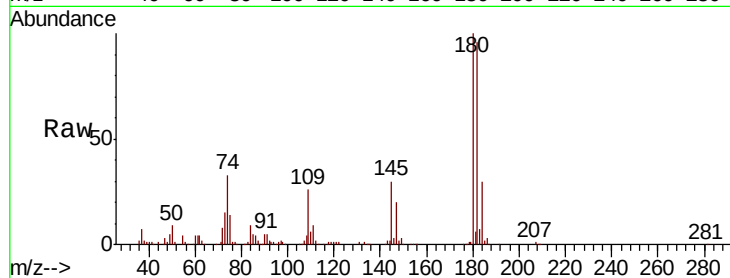
#93
 1,2,4-Trichlorobenzene
 Concen: 19.893 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	30.7	15.4	46.1

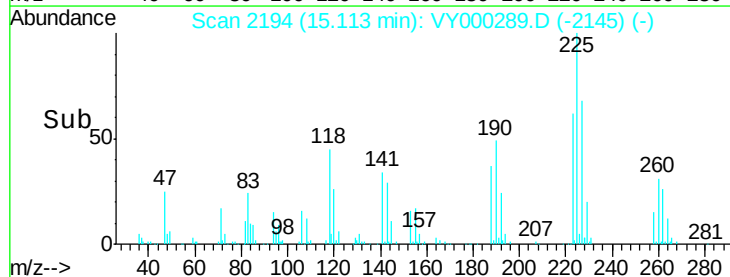
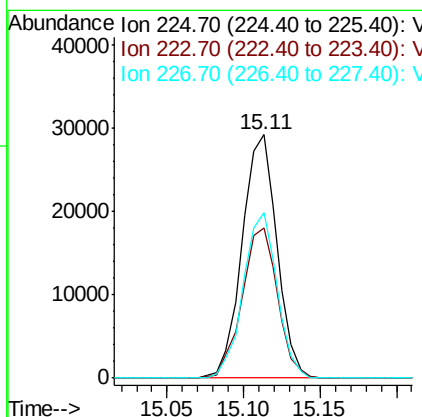
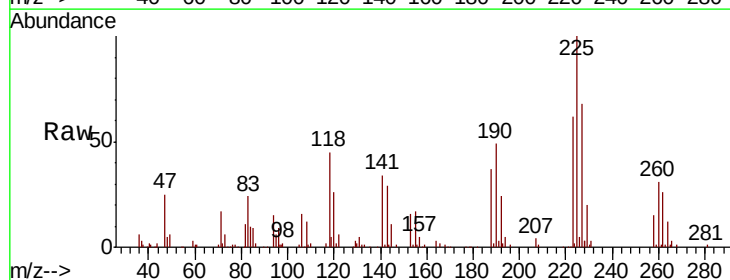
Manual Integrations
 APPROVED

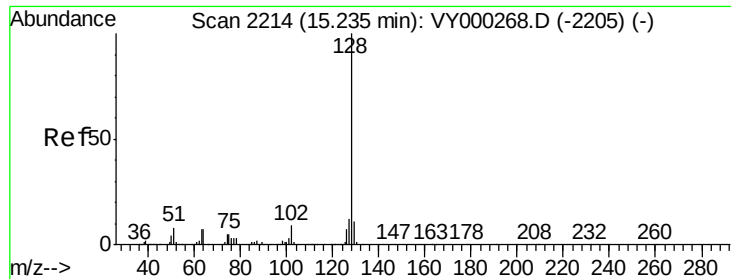
MMDadoda
 10/15/2019 12:34:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.491 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY000289.D
 Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	66.0	31.4	94.2





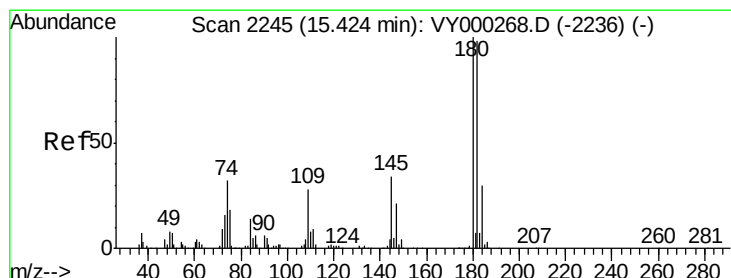
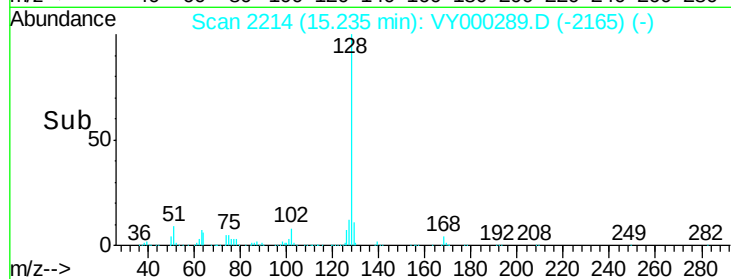
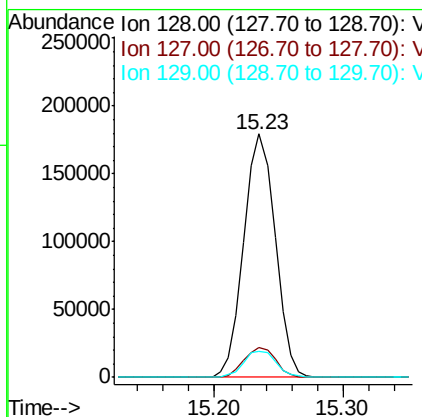
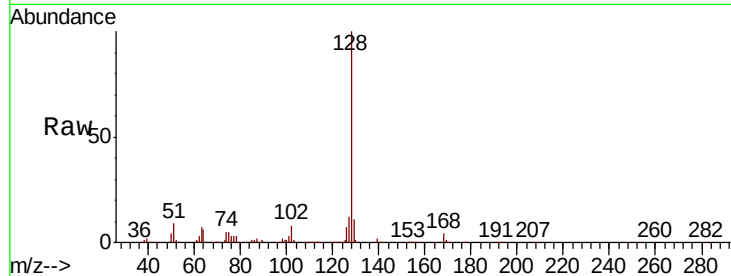
#95
Naphthalene
Concen: 29.501 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	303592		
127	12.4		9.6	14.4
129	11.3		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.119 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000289.D
Acq: 11 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83617		
182	96.6		46.5	139.5
145	33.1		16.2	48.5

