

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001321.D
 Acq On : 21 Jan 2020 15:03
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:22 AM

Quant Time: Jan 21 16:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	184996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	321967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	283231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	19910	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
35) Dibromofluoromethane	7.75	113	20226	10.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.44%	
50) Toluene-d8	10.20	98	70748	9.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	19.48%	
62) 4-Bromofluorobenzene	12.50	95	31424	10.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	21.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	16316	11.383	ug/l	89
3) Chloromethane	2.13	50	23703	11.386	ug/l	97
4) Vinyl Chloride	2.27	62	24761	11.784	ug/l	95
5) Bromomethane	2.66	94	17111	14.705	ug/l	100
6) Chloroethane	2.82	64	15228	12.310	ug/l	93
7) Trichlorofluoromethane	3.15	101	31176	10.754	ug/l	92
8) Diethyl Ether	3.55	74	13347	11.765	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	19329	10.390	ug/l	97
10) Methyl Iodide	4.13	142	24081	9.451	ug/l	97
11) Tert butyl alcohol	5.00	59	20290	97.635	ug/l #	92
12) 1,1-Dichloroethene	3.91	96	20138	10.562	ug/l	97
13) Acrolein	3.77	56	10092	58.807	ug/l	99
14) Allyl chloride	4.52	41	35200	10.840	ug/l	98
15) Acrylonitrile	5.21	53	32721	57.118	ug/l	99
16) Acetone	3.99	43	32993	69.509	ug/l	99
17) Carbon Disulfide	4.23	76	65366	10.676	ug/l	98
18) Methyl Acetate	4.52	43	17259	11.262	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	59048	11.104	ug/l	99
20) Methylene Chloride	4.76	84	38175	14.772	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	23332	10.776	ug/l	96
22) Diisopropyl ether	6.16	45	74426	11.177	ug/l	95
23) Vinyl Acetate	6.11	43	244213	57.138	ug/l	100
24) 1,1-Dichloroethane	6.07	63	39067	10.763	ug/l	97
25) 2-Butanone	7.03	43	45772	62.355	ug/l	99
26) 2,2-Dichloropropane	7.02	77	36634	11.045	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	25786	10.834	ug/l	96
28) Bromochloromethane	7.38	49	14667	9.913	ug/l	99
29) Tetrahydrofuran	7.38	42	29407	59.030	ug/l	97
30) Chloroform	7.55	83	39480	11.150	ug/l	98
31) Cyclohexane	7.82	56	40954	10.786	ug/l #	89
32) 1,1,1-Trichloroethane	7.74	97	33867	10.829	ug/l	98
36) 1,1-Dichloropropene	7.95	75	32545	11.046	ug/l	100
37) Ethyl Acetate	7.11	43	20028	11.445	ug/l	100
38) Carbon Tetrachloride	7.94	117	27945	10.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	42071	10.606	ug/l	94
40) Benzene	8.19	78	94563	10.932	ug/l	98
41) Methacrylonitrile	7.35	41	8109m	9.829	ug/l	
42) 1,2-Dichloroethane	8.27	62	26336	10.880	ug/l	100
43) Isopropyl Acetate	8.30	43	37850	11.273	ug/l	100
44) Trichloroethene	8.97	130	24237	10.835	ug/l	96
45) 1,2-Dichloropropane	9.24	63	24110	11.208	ug/l	99
46) Dibromomethane	9.33	93	12890	11.052	ug/l	98
47) Bromodichloromethane	9.52	83	30488	10.753	ug/l	95
48) Methyl methacrylate	9.31	41	17463	11.315	ug/l	98
49) 1,4-Dioxane	9.32	88	3857	267.797	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	97217	57.034	ug/l	100
52) Toluene	10.26	92	60122	10.928	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	33312	10.492	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	39075	10.903	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	19289	11.120	ug/l	97
56) Ethyl methacrylate	10.53	69	27926	10.553	ug/l	98
57) 1,3-Dichloropropane	10.81	76	33086	11.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	50756	55.184	ug/l	99
59) 2-Hexanone	10.85	43	67403	56.392	ug/l	98
60) Dibromochloromethane	11.00	129	21349	10.782	ug/l	97
61) 1,2-Dibromoethane	11.11	107	18095	10.739	ug/l	99
64) Tetrachloroethene	10.74	164	19493	10.767	ug/l	98
65) Chlorobenzene	11.53	112	63404	11.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	21614	11.029	ug/l	97
67) Ethyl Benzene	11.61	91	115652	11.098	ug/l	95
68) m/p-Xylenes	11.72	106	86470	22.062	ug/l	97
69) o-Xylene	12.05	106	41195	10.931	ug/l	100
70) Styrene	12.06	104	71137	10.770	ug/l	99
71) Bromoform	12.22	173	12422	10.354	ug/l #	98
73) Isopropylbenzene	12.34	105	109647	10.893	ug/l	100
74) N-amyl acetate	12.16	43	34555	10.901	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	23015	10.781	ug/l	97
76) 1,2,3-Trichloropropane	12.65	75	18169m	12.349	ug/l	
77) Bromobenzene	12.62	156	24597	11.053	ug/l	97
78) n-propylbenzene	12.69	91	132032	10.895	ug/l	99
79) 2-Chlorotoluene	12.77	91	74162	10.677	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	92032	10.977	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	8460	10.055	ug/l	98
82) 4-Chlorotoluene	12.87	91	79315	10.704	ug/l	99
83) tert-Butylbenzene	13.09	119	76846	10.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	92850	11.136	ug/l	100
85) sec-Butylbenzene	13.27	105	109408	10.762	ug/l	98
86) p-Isopropyltoluene	13.38	119	98641	11.190	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	47219	11.175	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	48761	11.252	ug/l	98
89) n-Butylbenzene	13.71	91	96710	10.908	ug/l	100
90) Hexachloroethane	13.97	117	18058	10.506	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	43574	11.111	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	4208	11.076	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	29750	11.546	ug/l	98
94) Hexachlorobutadiene	15.12	225	14604	11.305	ug/l	96
95) Naphthalene	15.25	128	66882	11.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	25845	11.353	ug/l	98

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

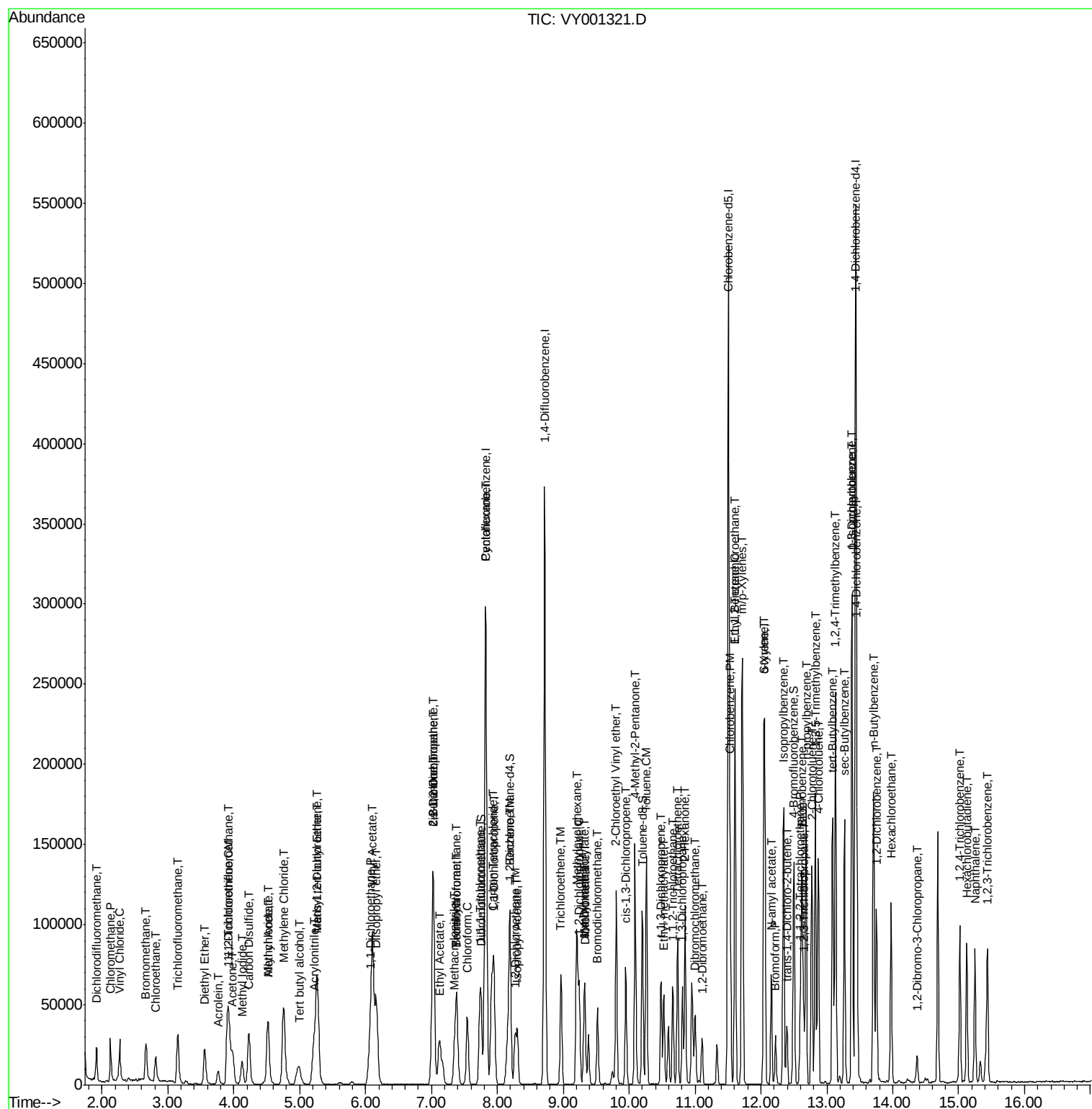
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Data File : VY001321.D
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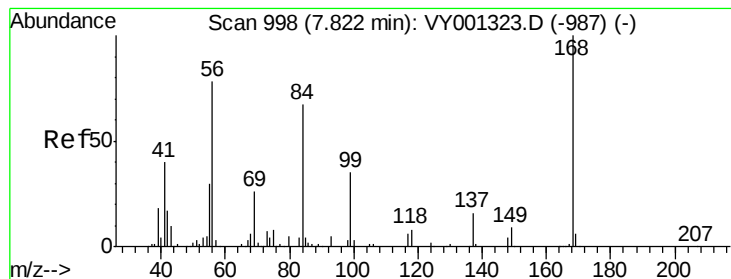
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 184996

Ion Ratio Lower Upper

168 100

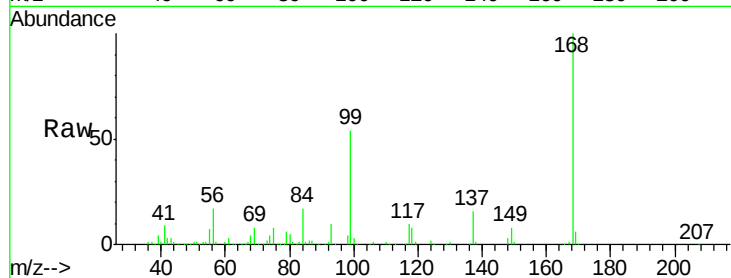
99 54.3 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.83

80000

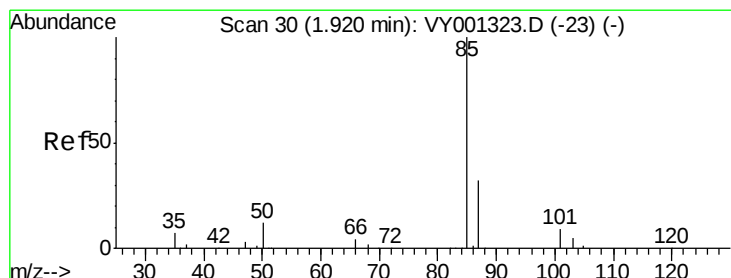
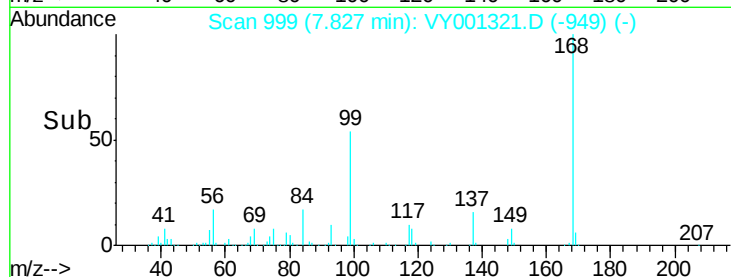
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 11.383 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001321.D

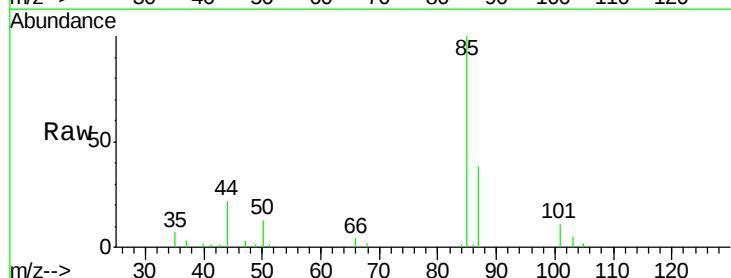
Acq: 21 Jan 2020 15:03

Tgt Ion: 85 Resp: 16316

Ion Ratio Lower Upper

85 100

87 38.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.91

12000

10000

8000

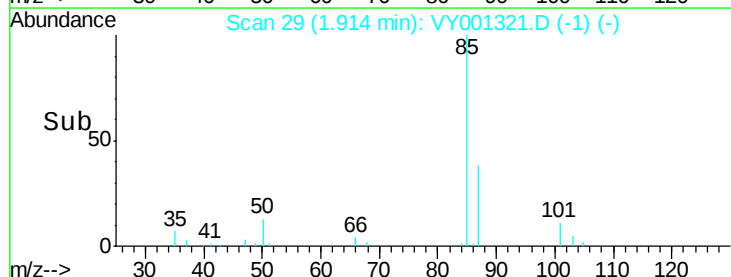
6000

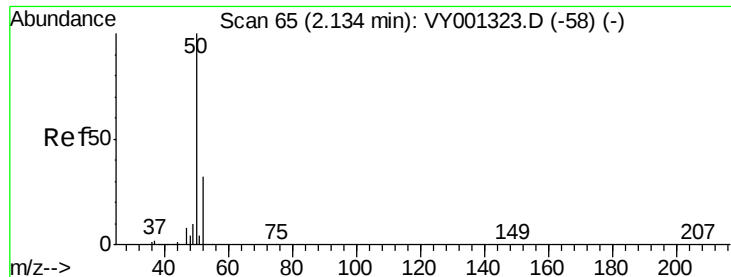
4000

2000

0

Time--> 1.85 1.90 1.95 2.00





#3

Chloromethane

Concen: 11.386 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 23703

Ion Ratio Lower Upper

50 100

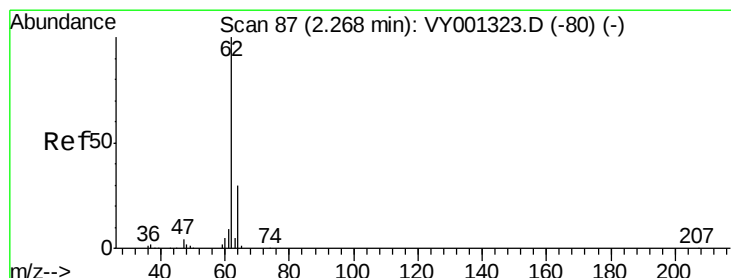
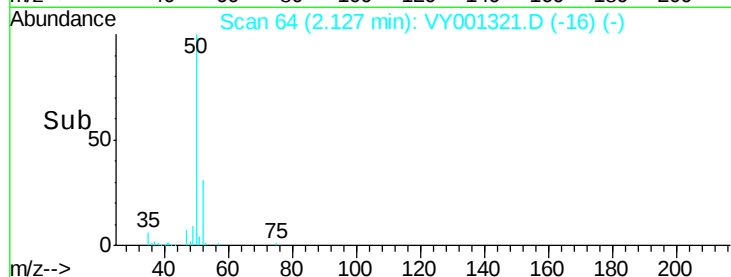
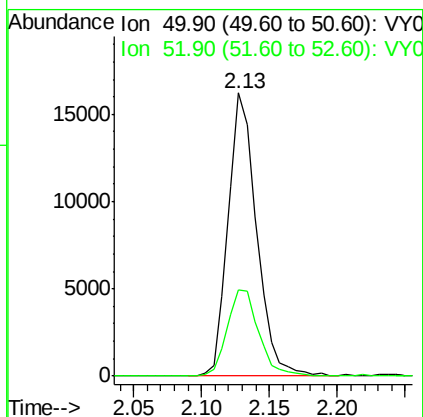
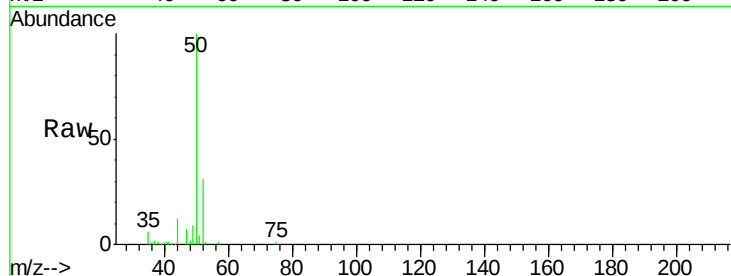
52 30.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 11.784 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001321.D

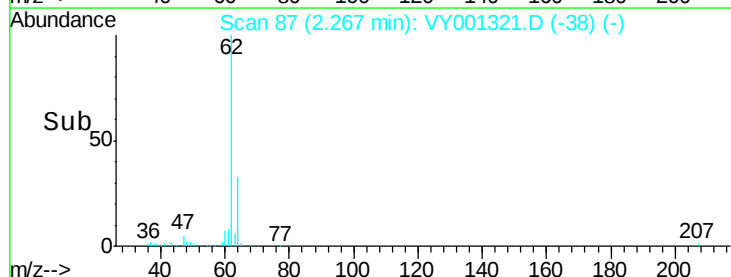
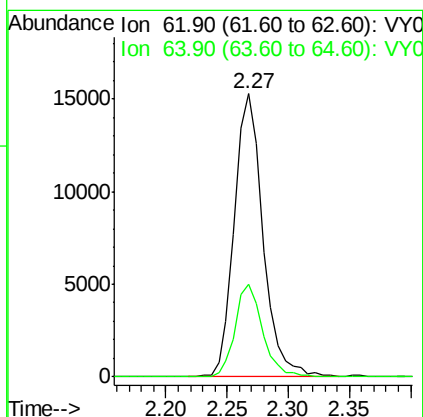
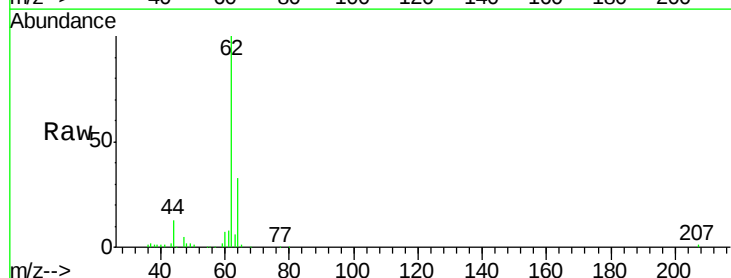
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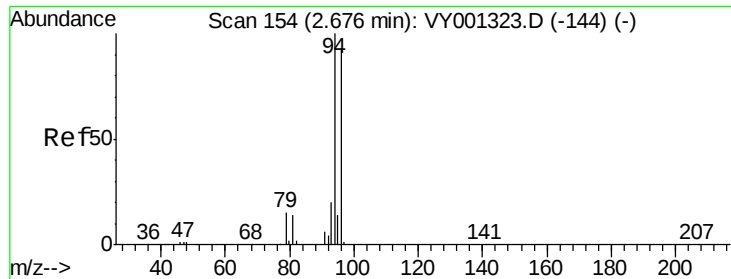
Tgt Ion: 62 Resp: 24761

Ion Ratio Lower Upper

62 100

64 32.8 23.9 35.9





#5

Bromomethane

Concen: 14.705 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

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Tot Ion: 94 Resp: 17111

Ion Ratio Lower Upper

94 100

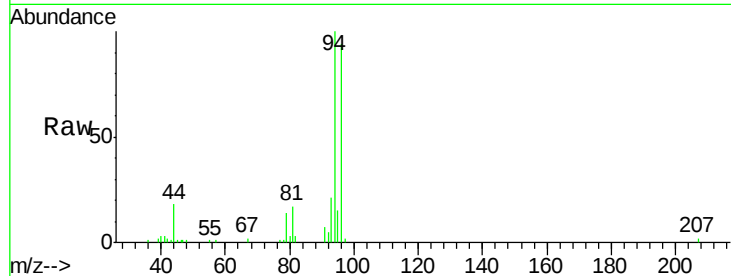
96 93.7 74.6 111.8

Manual Integrations

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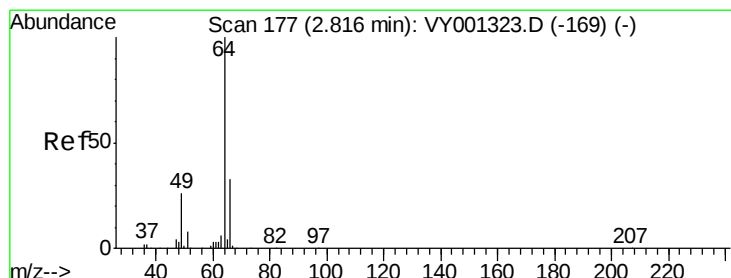
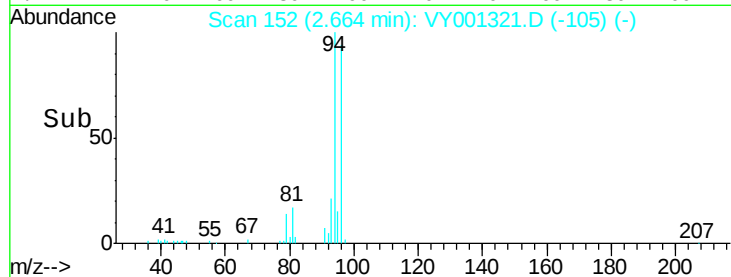
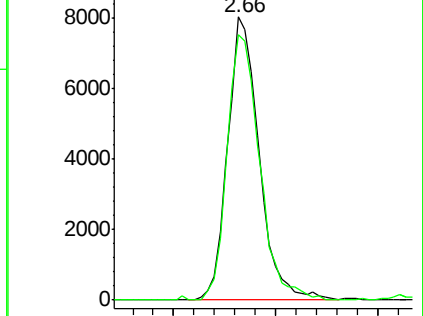
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 12.310 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY001321.D

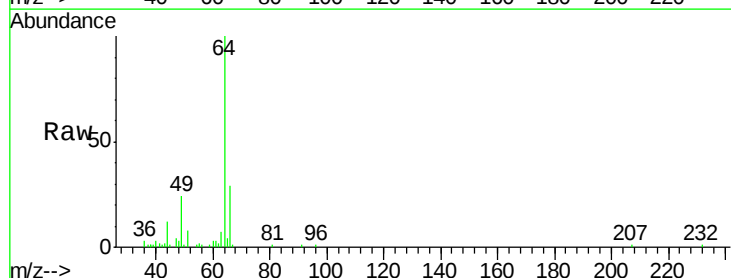
Acq: 21 Jan 2020 15:03

Tgt Ion: 64 Resp: 15228

Ion Ratio Lower Upper

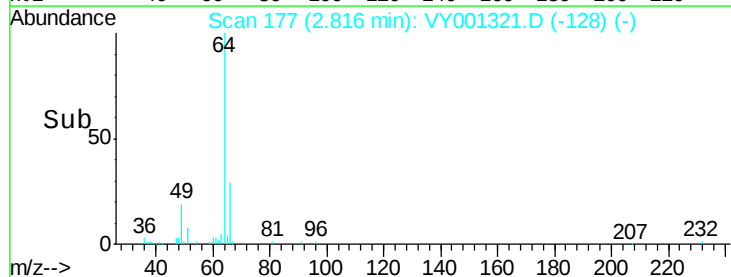
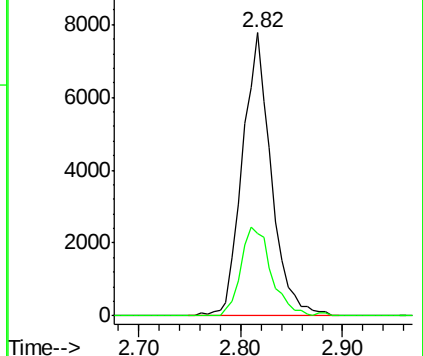
64 100

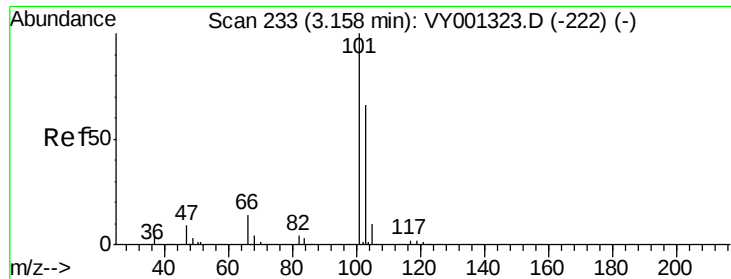
66 29.3 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

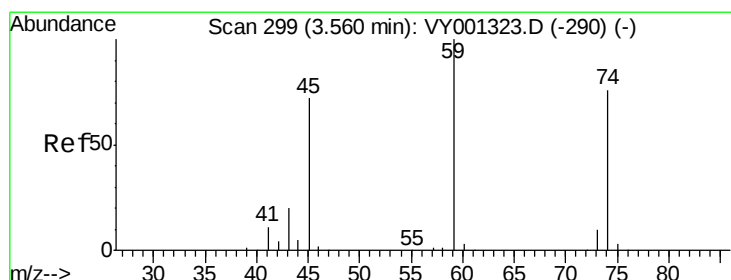
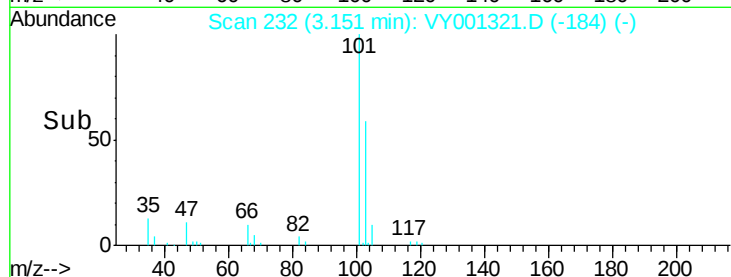
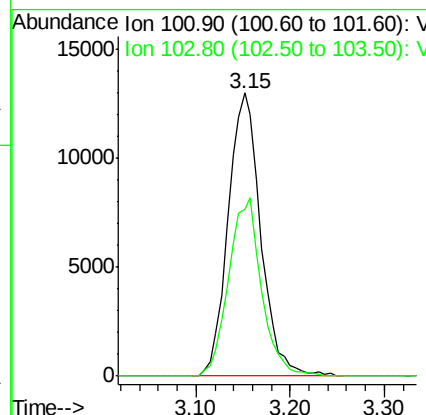
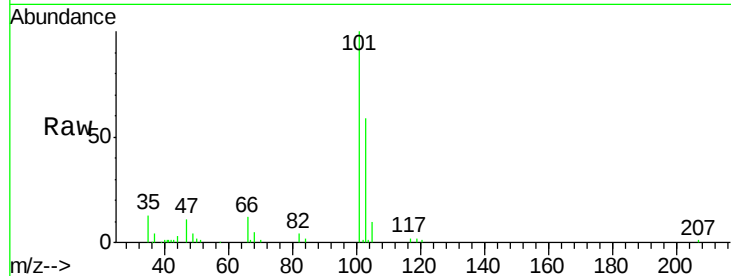
Trichlorofluoromethane
Concen: 10.754 ug/l
RT: 3.15 min Scan# 232
Delta R.T. -0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.1	52.5	78.7

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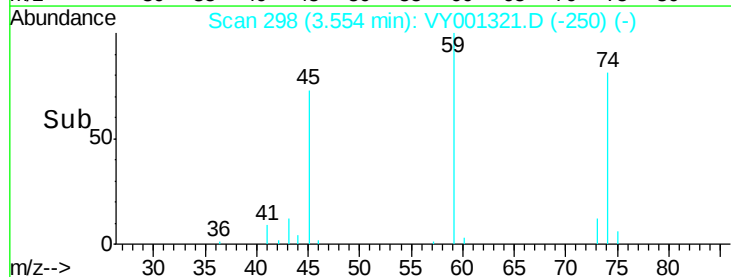
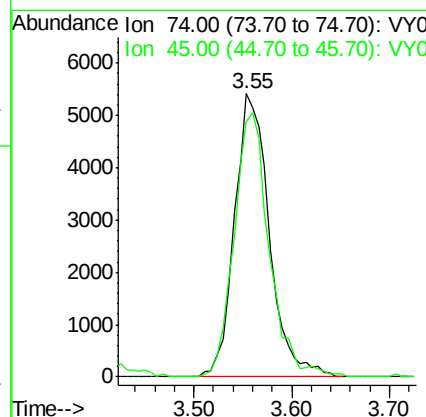
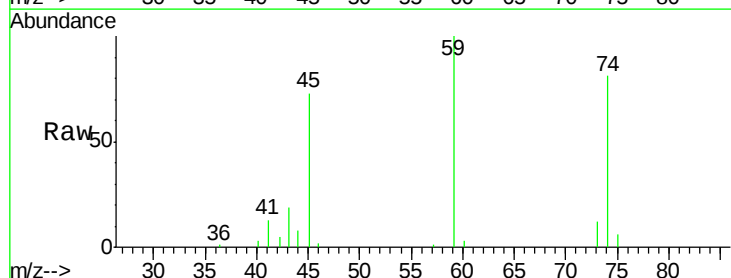
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#8

Diethyl Ether
Concen: 11.765 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.01 min
Lab File: VY001321.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.390 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: VY001321.D

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MSVOA_Y

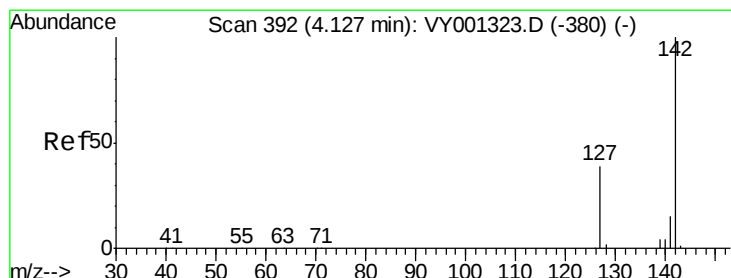
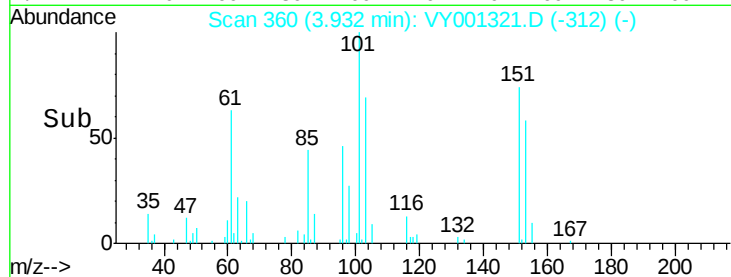
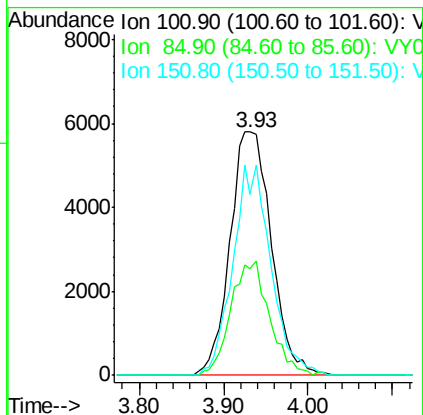
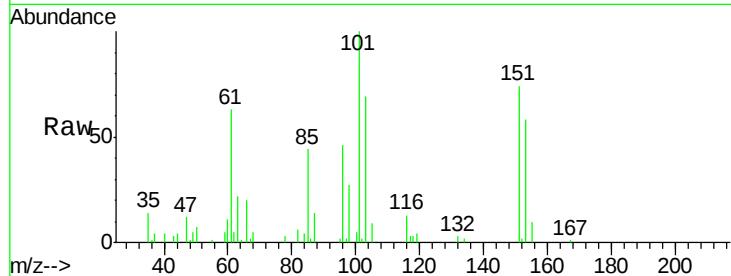
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	19329
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	79.3	59.9	89.9

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#10

Methyl Iodide

Concen: 9.451 ug/l

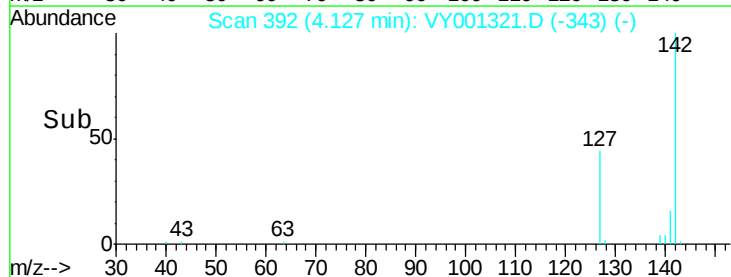
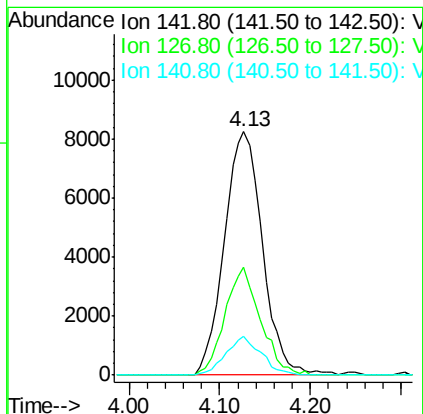
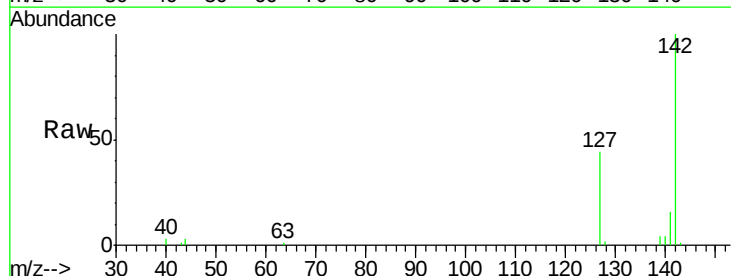
RT: 4.13 min Scan# 392

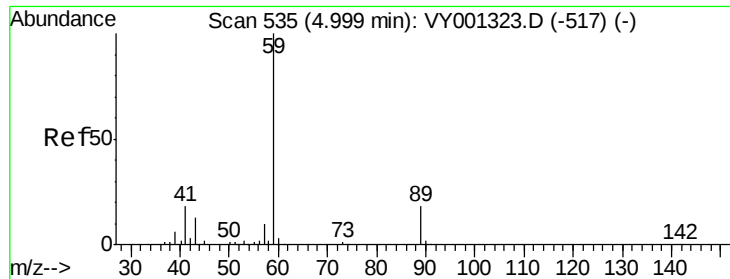
Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion:	142	Resp:	24081
Ion Ratio	Lower	Upper	
142	100		
127	41.2	31.6	47.4
141	14.7	11.2	16.8





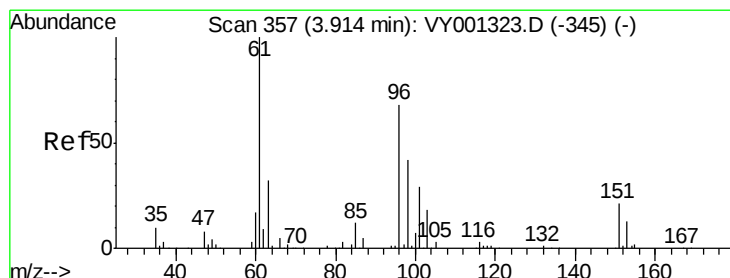
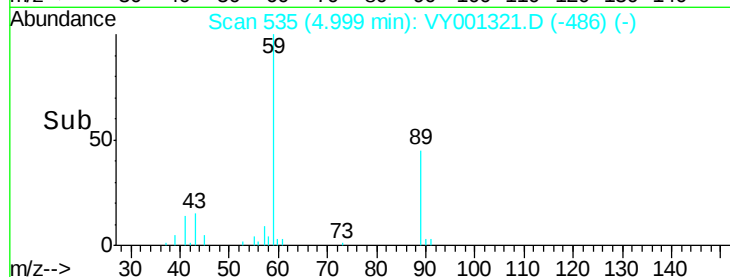
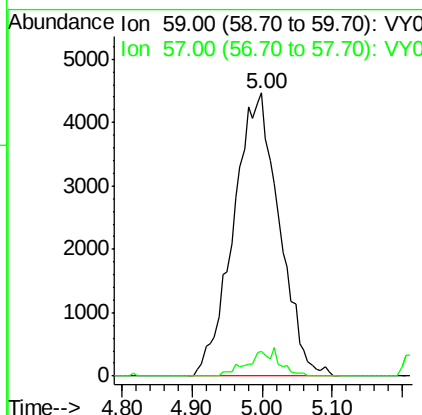
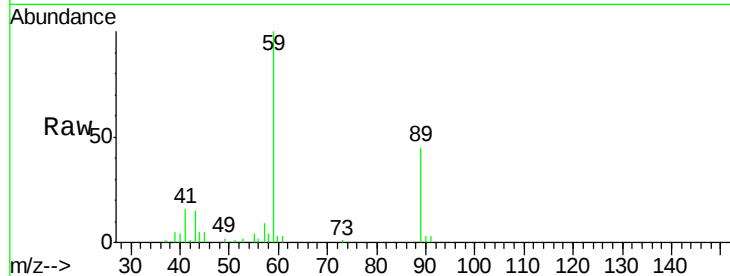
#11
Tert butyl alcohol
Concen: 97.635 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 20290
Ion Ratio Lower Upper
59 100
57 6.6 7.4 11.2#

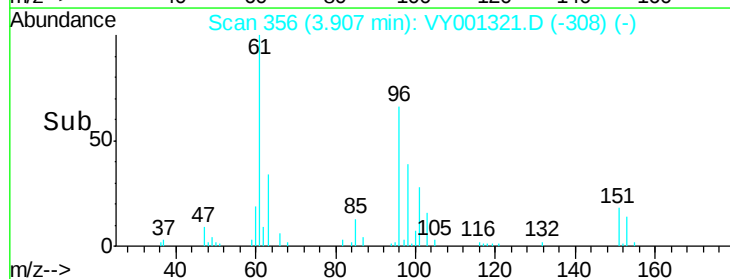
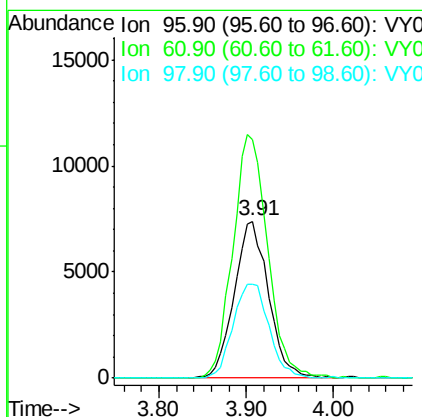
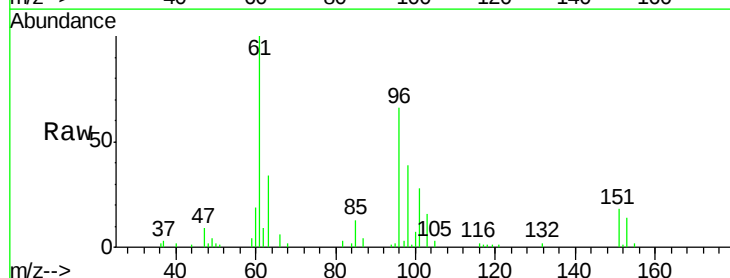
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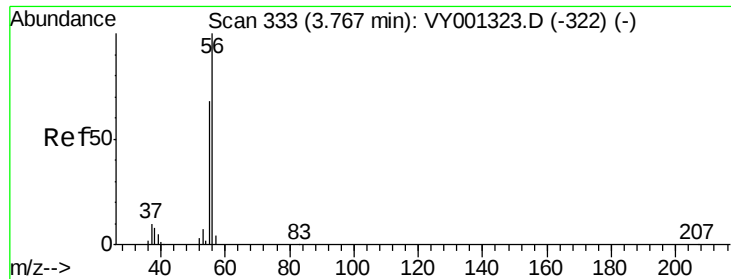
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.562 ug/l
RT: 3.91 min Scan# 356
Delta R.T. -0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion: 96 Resp: 20138
Ion Ratio Lower Upper
96 100
61 152.1 118.0 177.0
98 59.7 49.4 74.2





#13

Acrolein

Concen: 58.807 ug/l

RT: 3.77 min Scan# 333

Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 10092

Ion Ratio Lower Upper

56 100

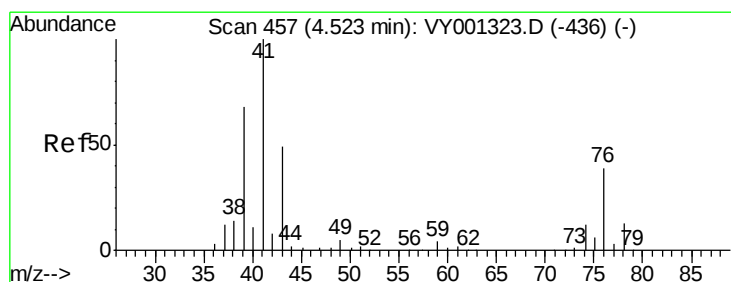
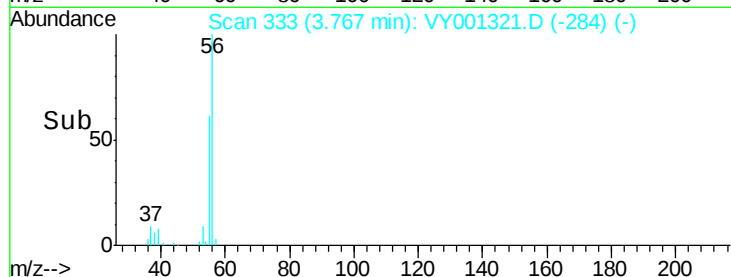
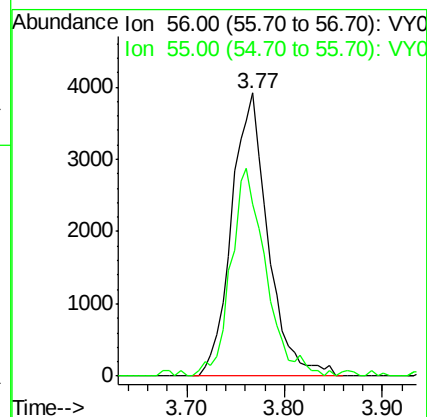
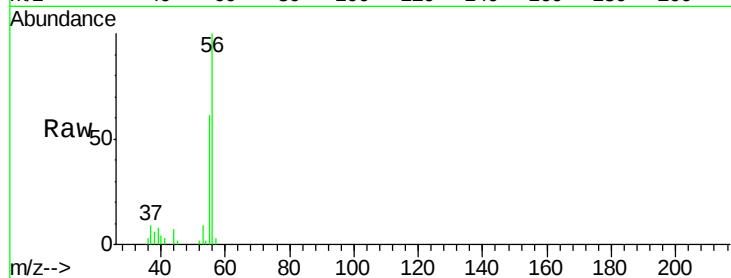
55 70.6 55.9 83.9

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#14

Allyl chloride

Concen: 10.840 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

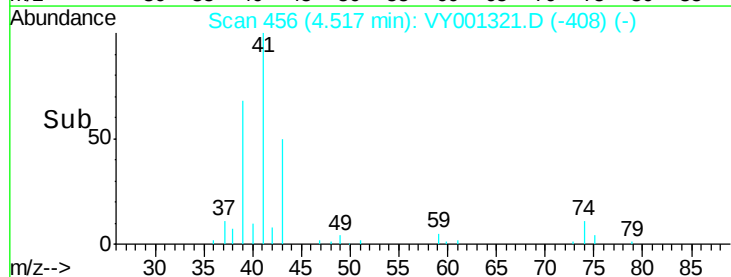
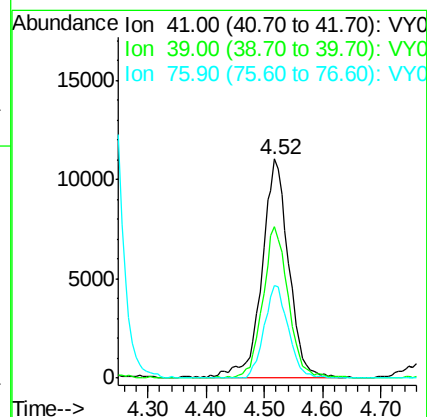
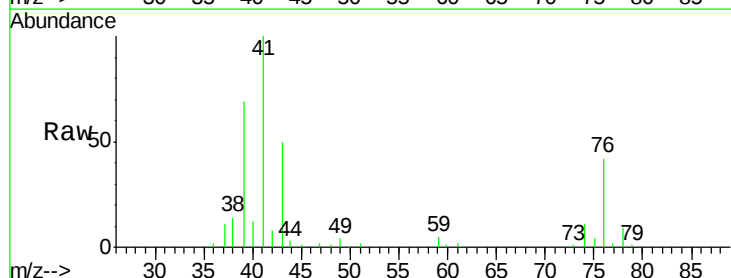
Tgt Ion: 41 Resp: 35200

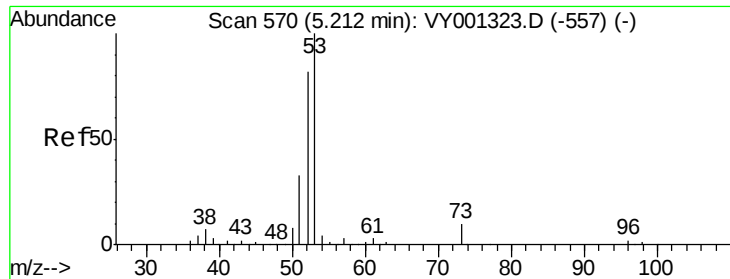
Ion Ratio Lower Upper

41 100

39 66.1 52.2 78.4

76 38.1 29.1 43.7





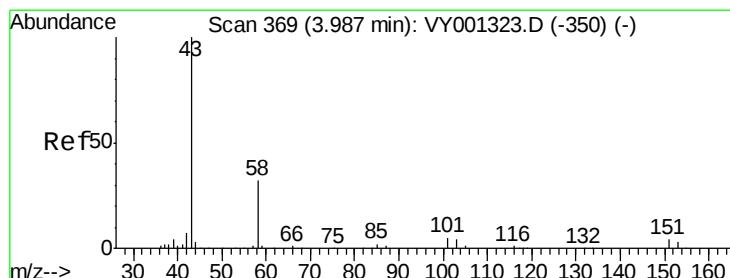
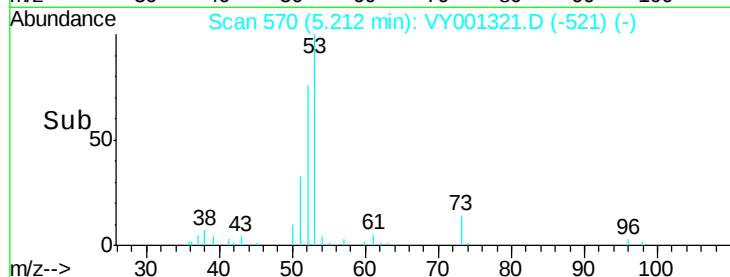
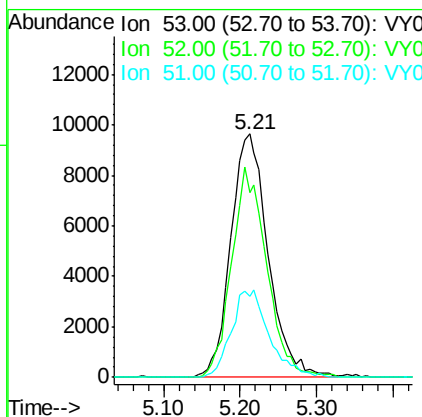
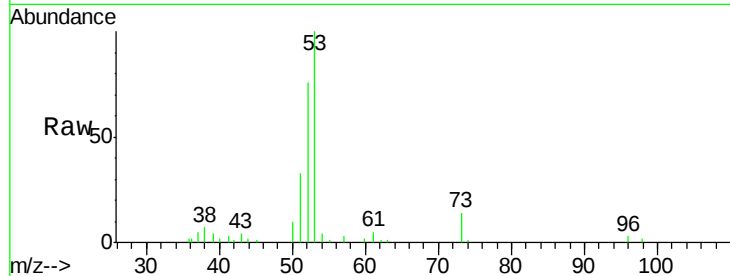
#15
 Acrylonitrile
 Concen: 57.118 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.3	97.9
51	36.1	28.4	42.6

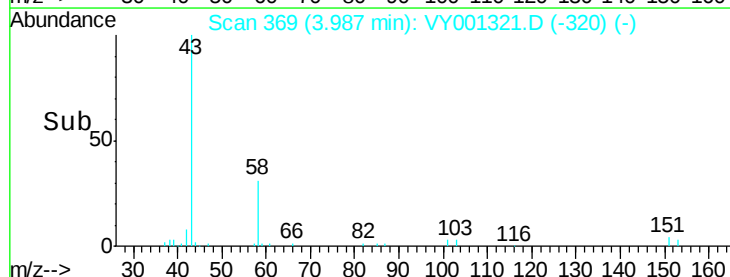
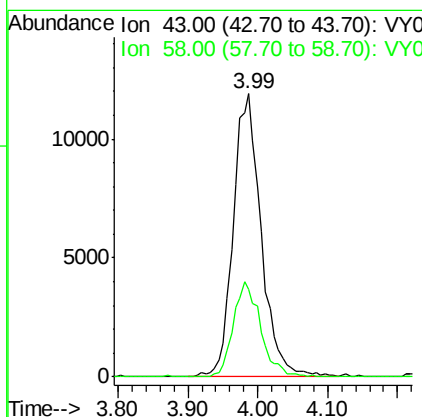
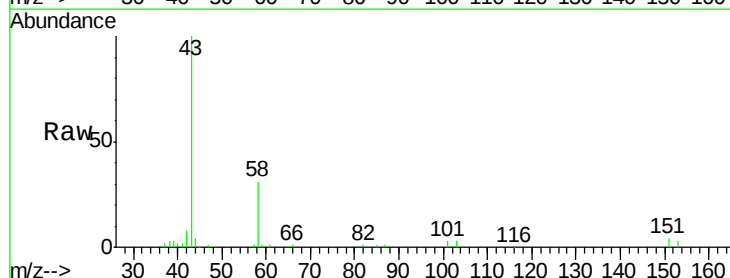
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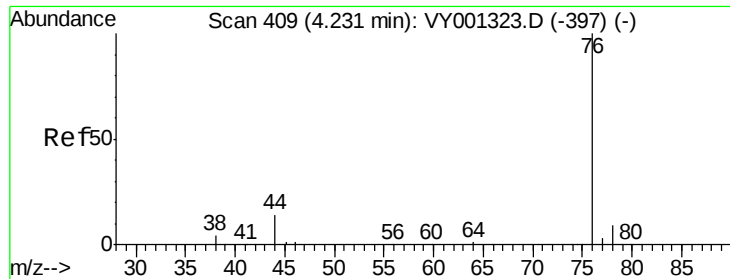
MMDadoda
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#16
 Acetone
 Concen: 69.509 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.4	38.0





#17

Carbon Disulfide

Concen: 10.676 ug/l

RT: 4.23 min Scan# 409

Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tot Ion: 76 Resp: 65366

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

Instrument :

MSVOA_Y

ClientSampleId :

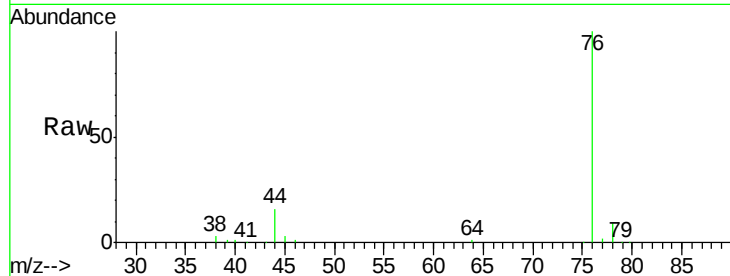
VSTDIC010

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

25000

20000

15000

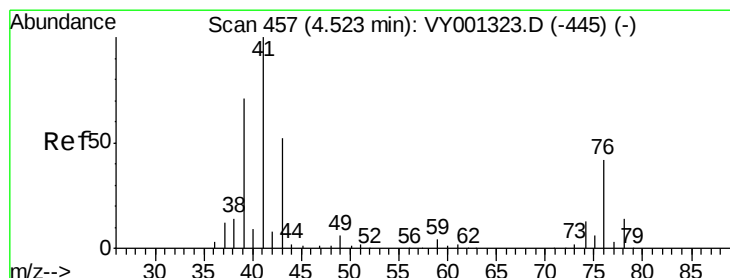
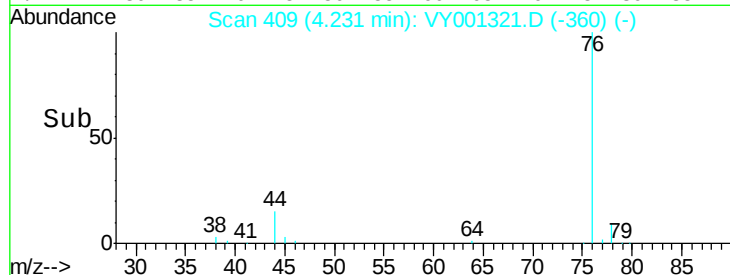
10000

5000

0

4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 11.262 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001321.D

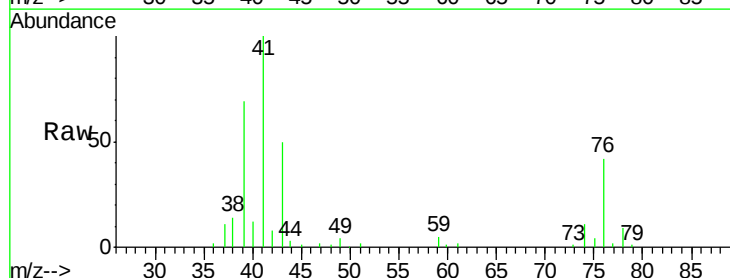
Acq: 21 Jan 2020 15:03

Tgt Ion: 43 Resp: 17259

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

6000

5000

4000

3000

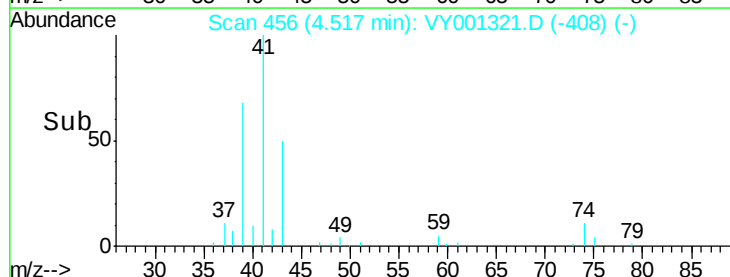
2000

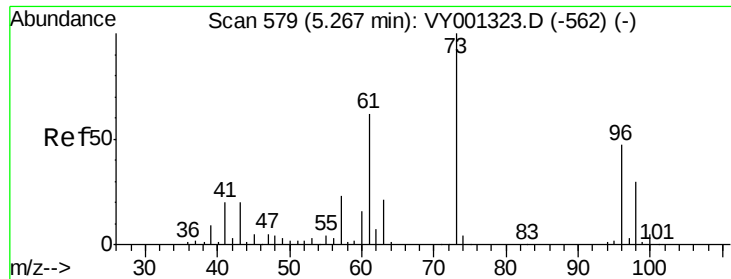
1000

0

4.40 4.50 4.60 4.70

Time-->





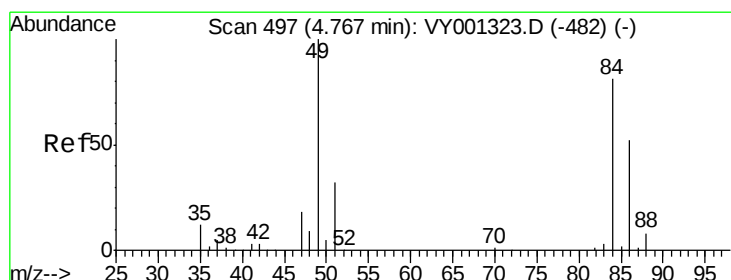
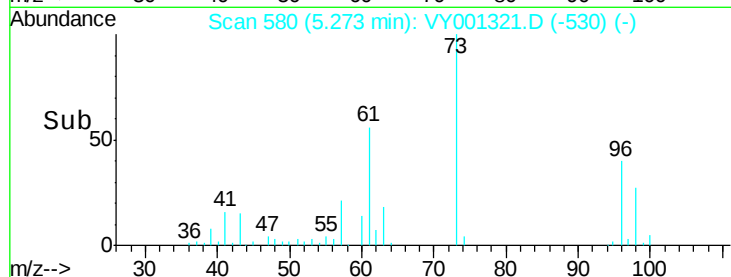
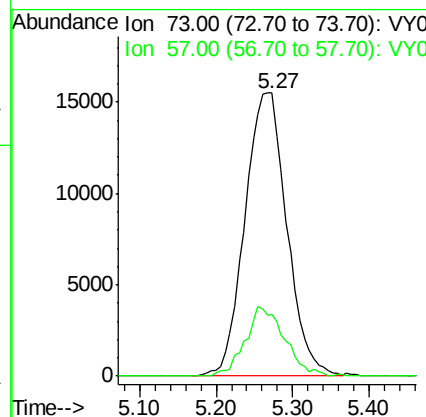
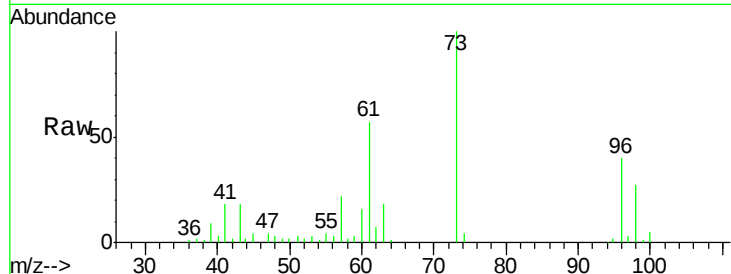
#19
Methvl tert-butvl Ether
Concen: 11.104 ug/l
RT: 5.27 min Scan# 580
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 59048
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

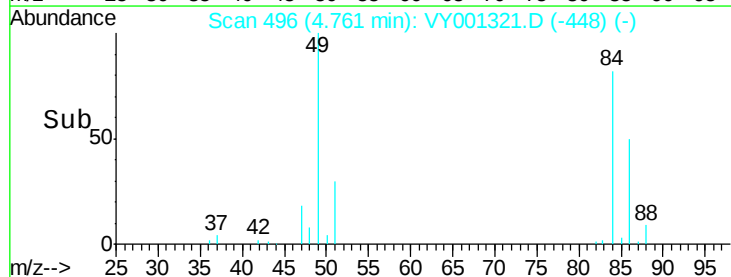
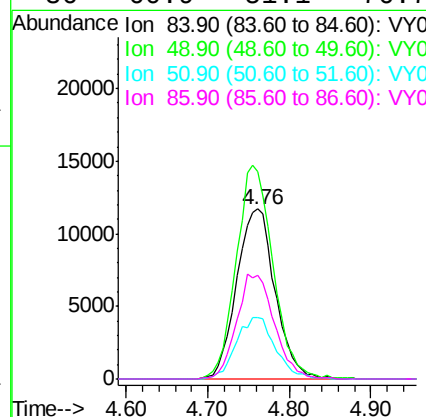
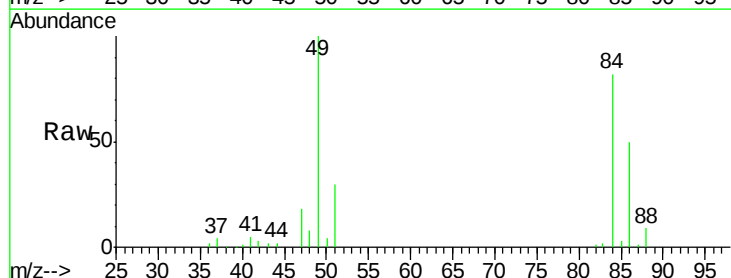
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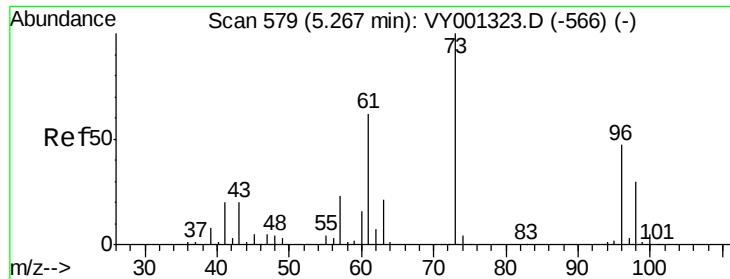
MMDadoda
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#20
Methylene Chloride
Concen: 14.772 ug/l
RT: 4.76 min Scan# 496
Delta R.T. -0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion: 84 Resp: 38175
Ion Ratio Lower Upper
84 100
49 121.9 98.3 147.5
51 36.2 31.6 47.4
86 60.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 10.776 ug/l

RT: 5.27 min Scan# 579

Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 23332

Ion Ratio Lower Upper

96 100

61 137.9 106.8 160.2

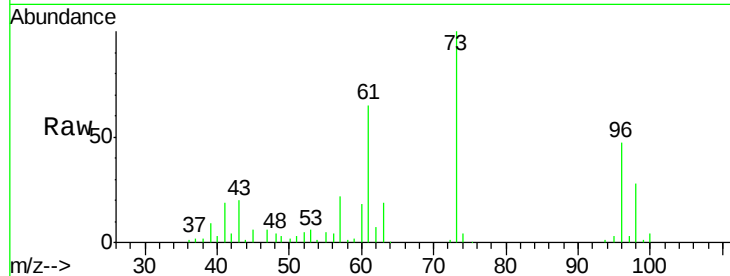
98 59.3 51.0 76.6

Manual Integrations

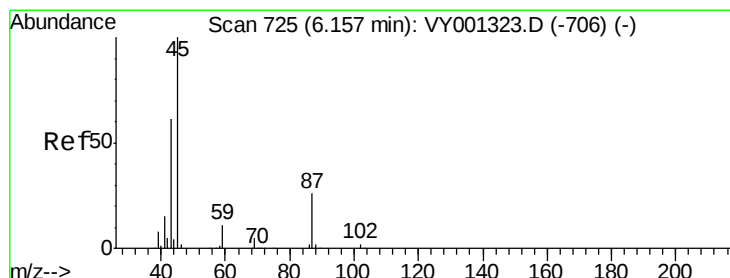
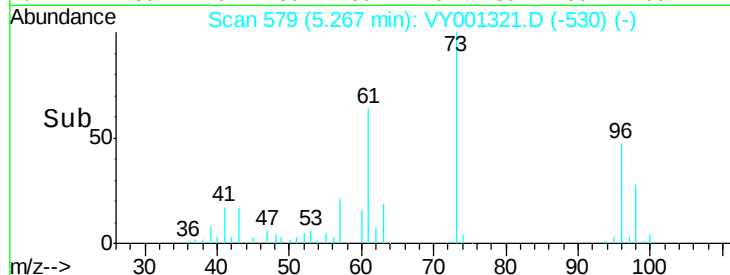
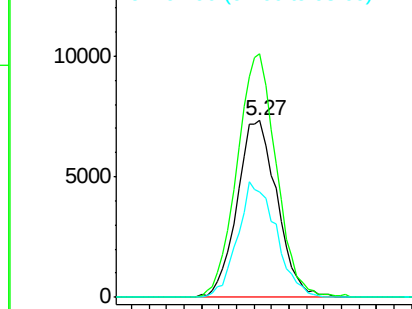
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 11.177 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion: 45 Resp: 74426

Ion Ratio Lower Upper

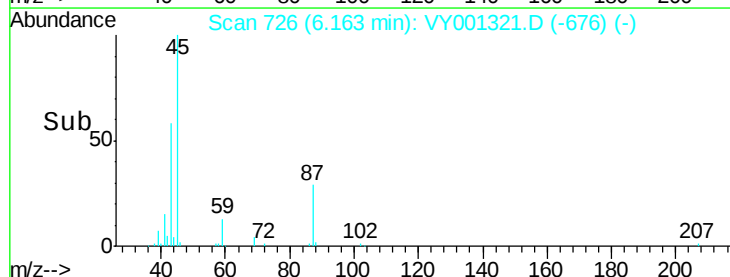
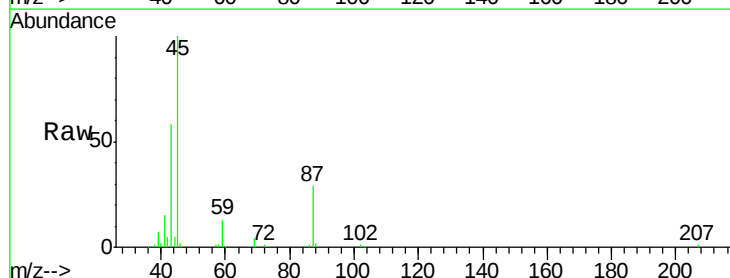
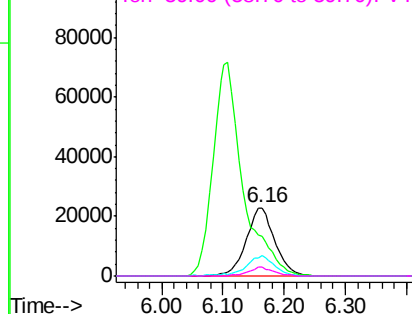
45 100

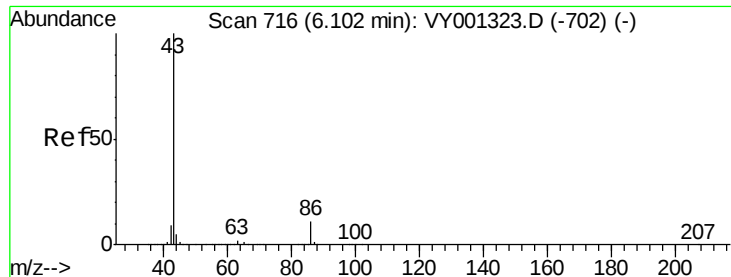
43 57.2 49.2 73.8

87 29.5 21.4 32.2

59 12.6 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 57.138 ug/l

RT: 6.11 min Scan# 717

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 244213

Ion Ratio Lower Upper

43 100

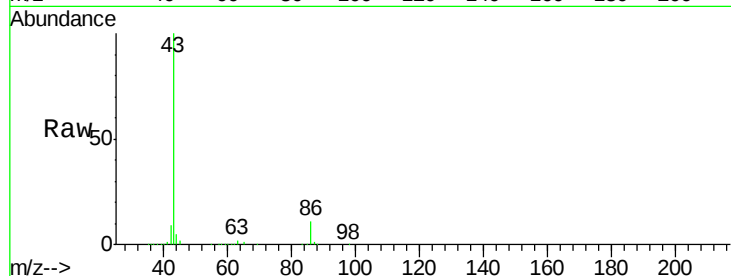
86 10.8 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.11

80000

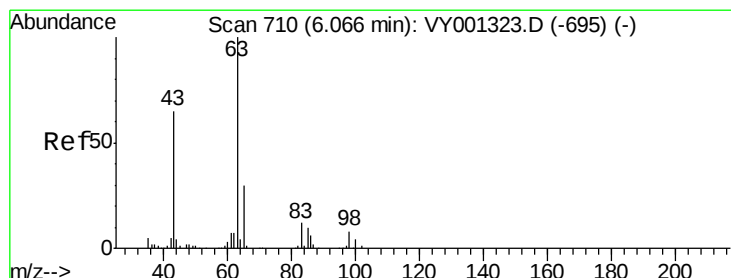
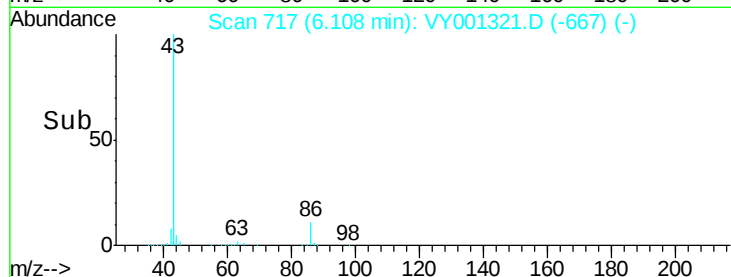
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 10.763 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

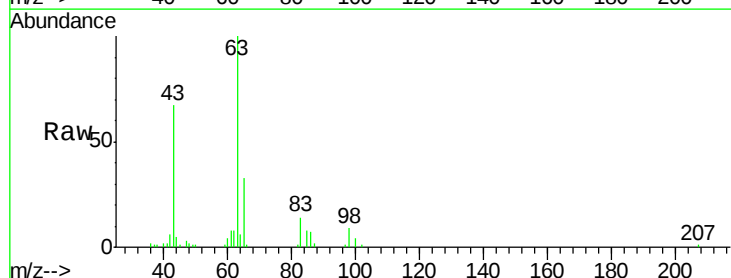
Tgt Ion: 63 Resp: 39067

Ion Ratio Lower Upper

63 100

98 9.0 4.0 12.0

100 3.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.07

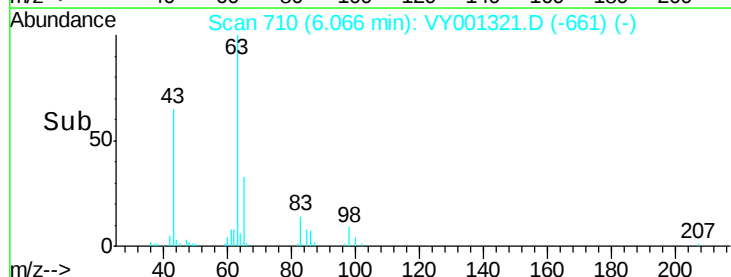
15000

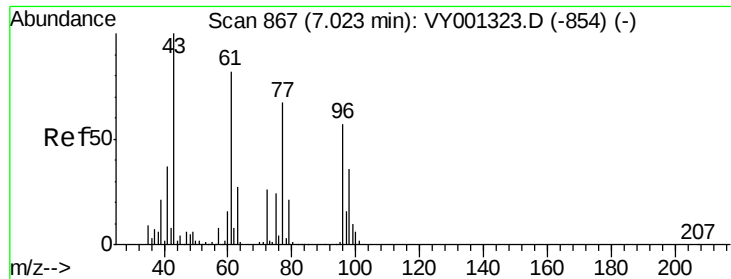
10000

5000

0

Time--> 6.00 6.10 6.20





#25

2-Butanone

Concen: 62.355 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 45772

Ion Ratio Lower Upper

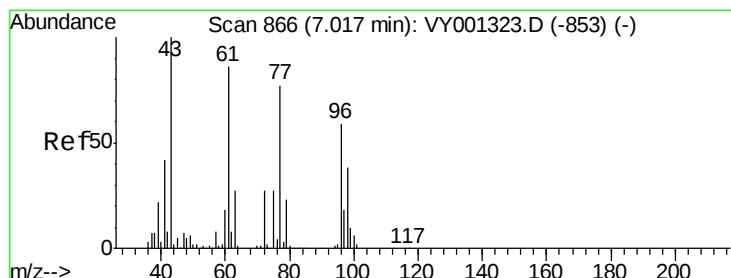
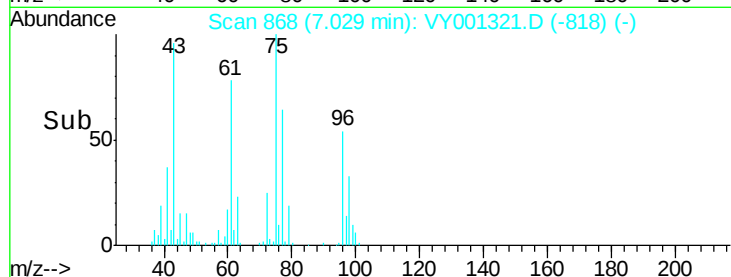
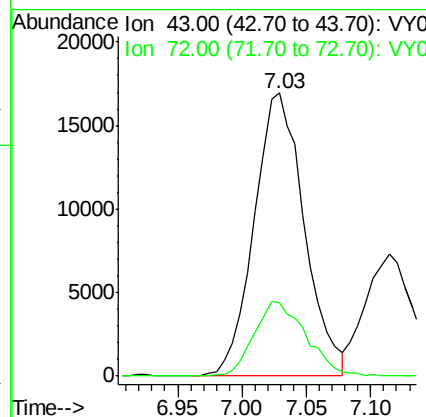
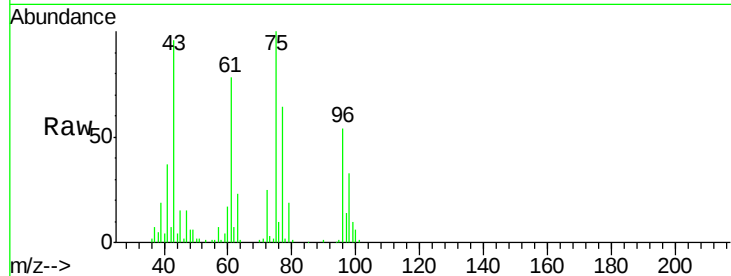
43 100

72 26.2 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 11.045 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001321.D

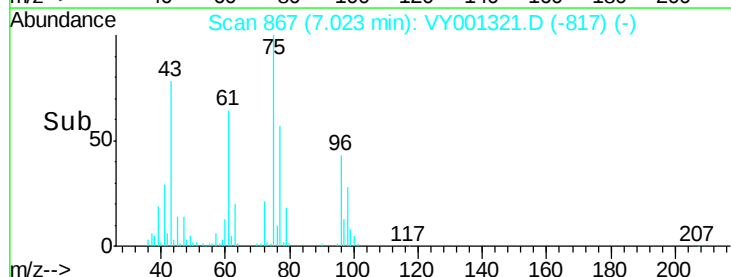
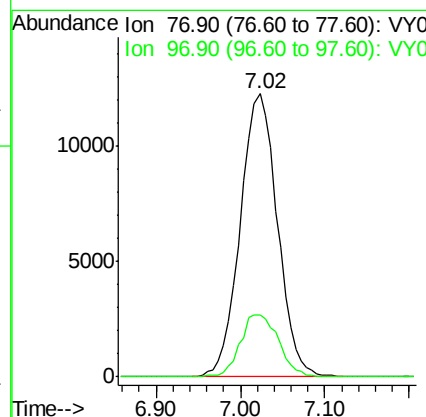
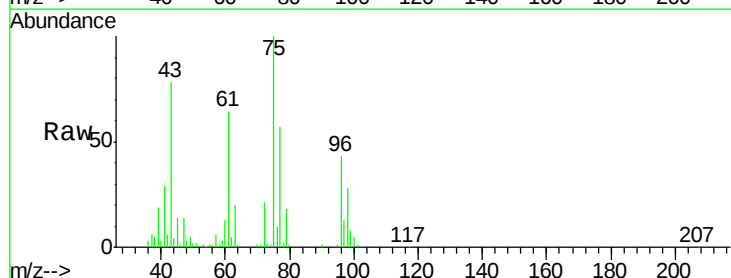
Acq: 21 Jan 2020 15:03

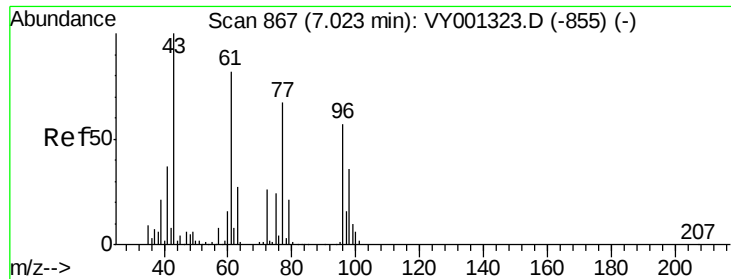
Tgt Ion: 77 Resp: 36634

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.5





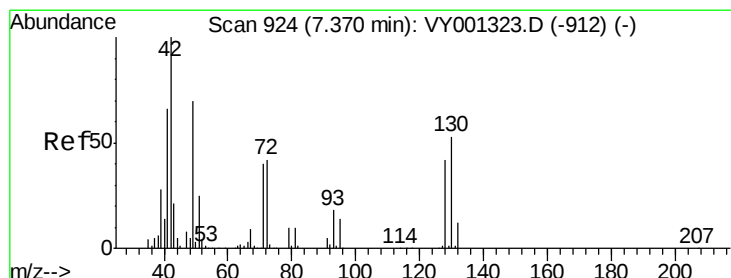
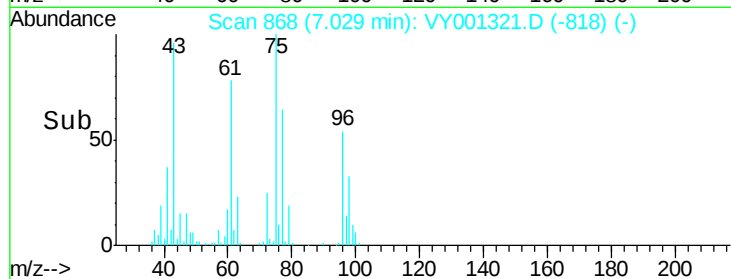
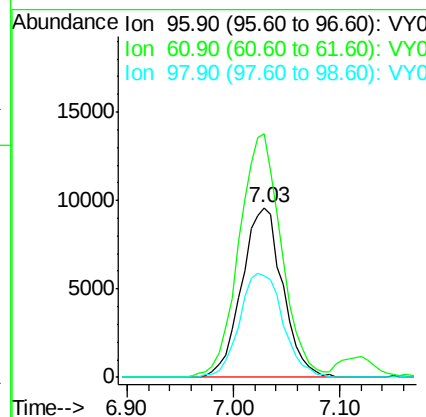
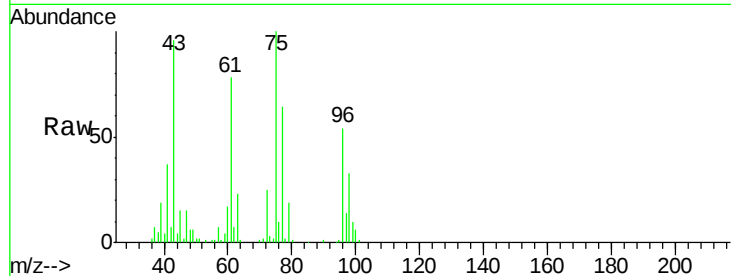
#27
 cis-1,2-Dichloroethene
 Concen: 10.834 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	284.8
98	65.1	0.0	128.4

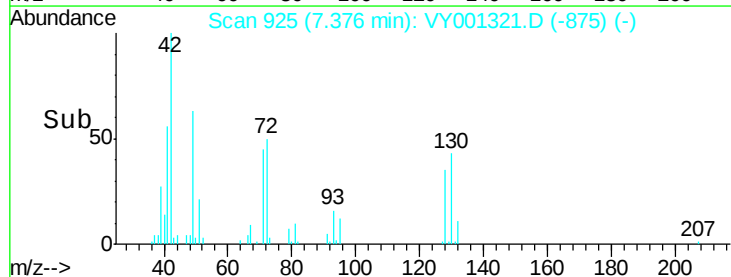
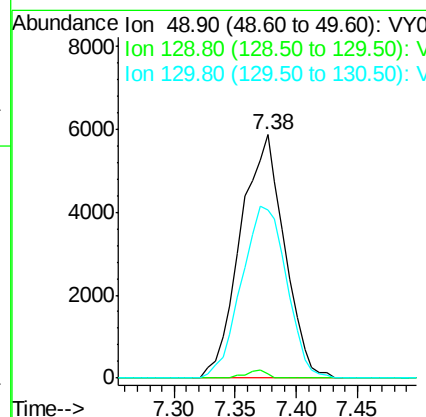
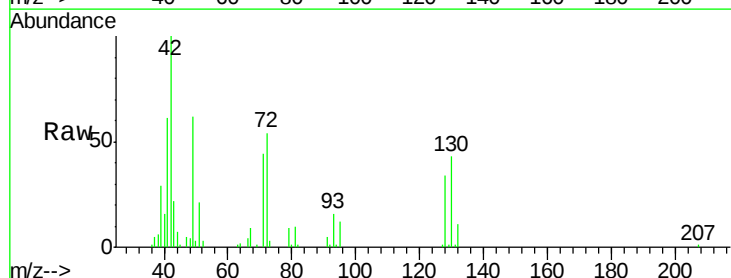
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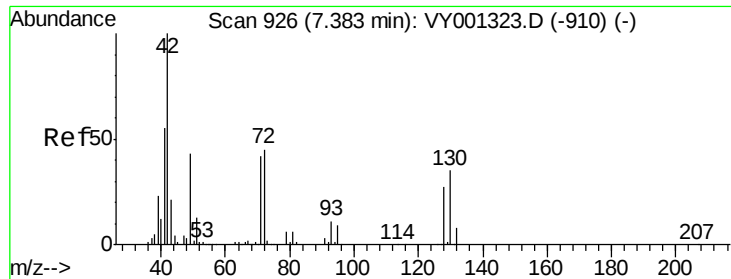
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#28
 Bromochloromethane
 Concen: 9.913 ug/l
 RT: 7.38 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	72.3	58.9	88.3





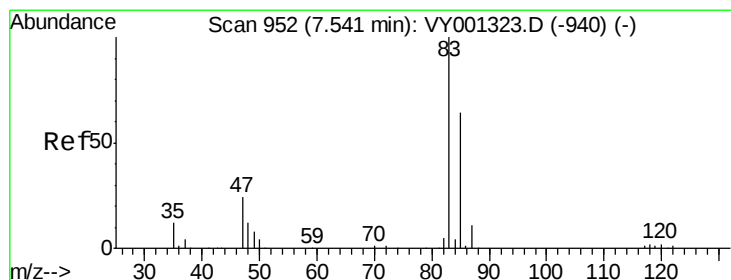
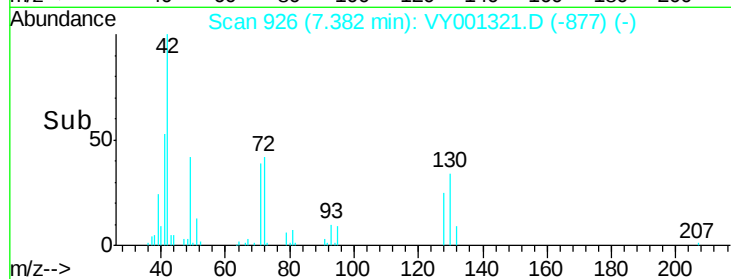
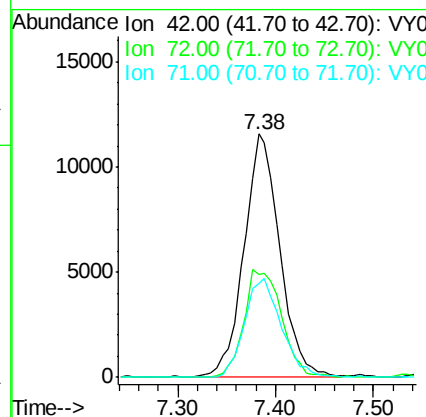
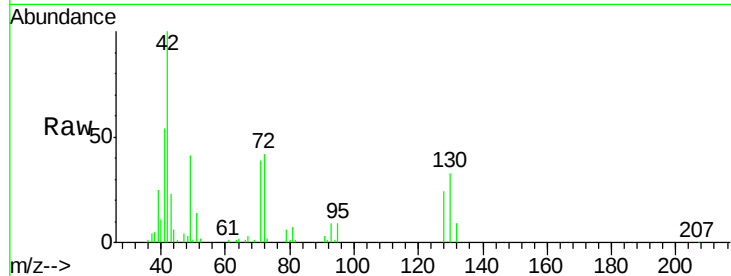
#29
Tetrahydrofuran
Concen: 59.030 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	34.6	51.8
71	41.6	32.6	48.8

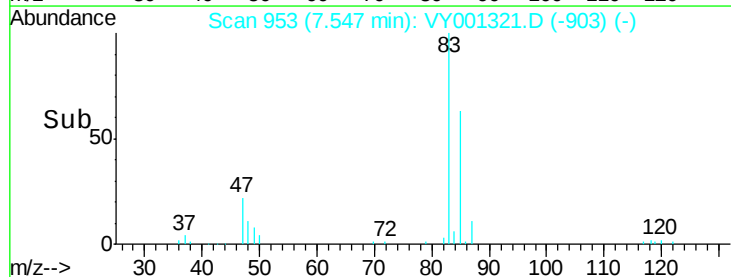
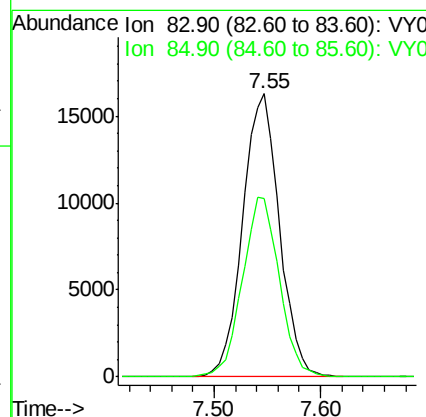
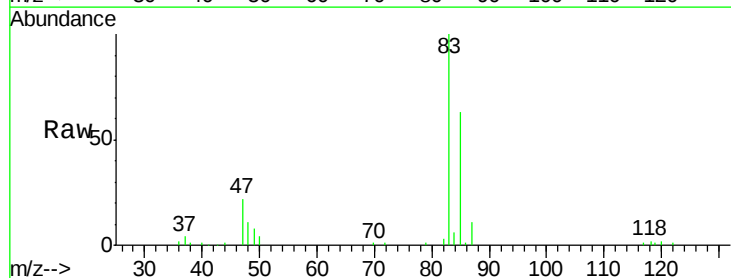
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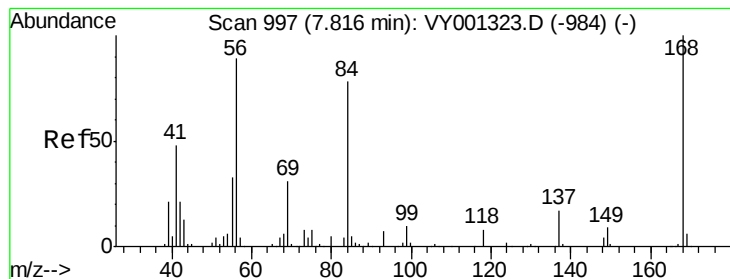
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#30
Chloroform
Concen: 11.150 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3





#31

Cyclohexane

Concen: 10.786 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

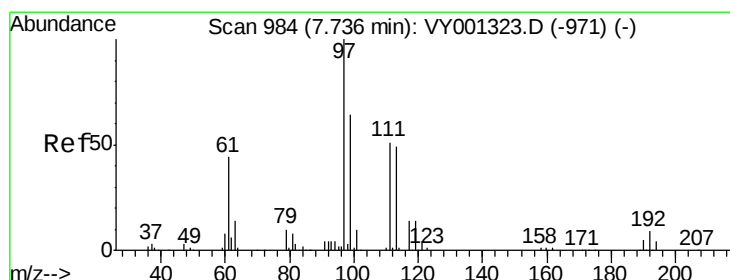
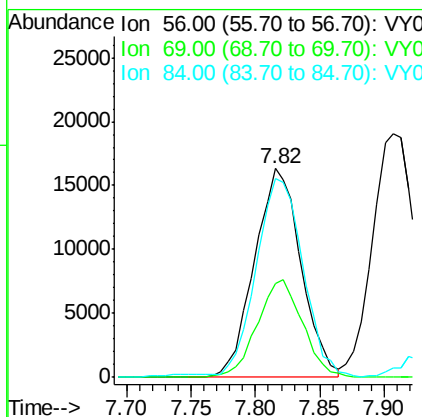
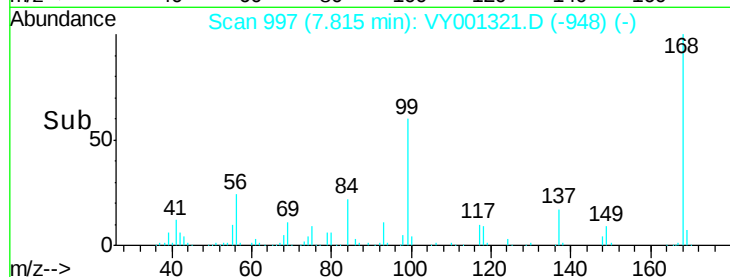
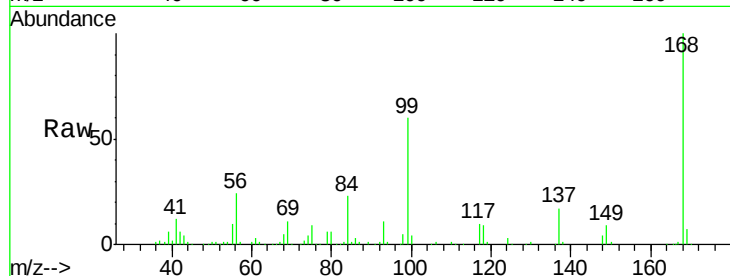
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	40954
Ion	Ratio	Lower	Upper
56	100		
69	44.8	27.6	41.4#
84	94.1	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 10.829 ug/l

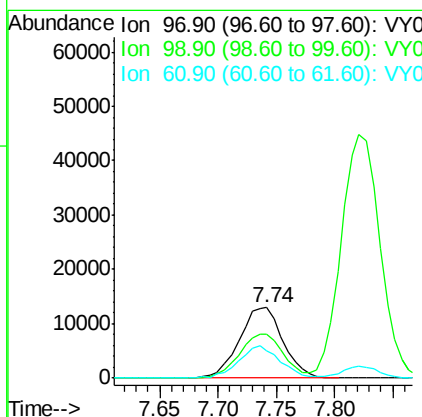
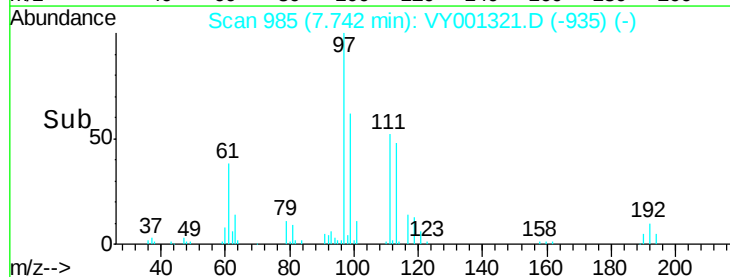
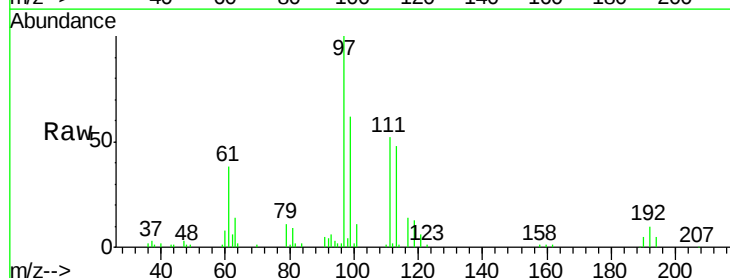
RT: 7.74 min Scan# 985

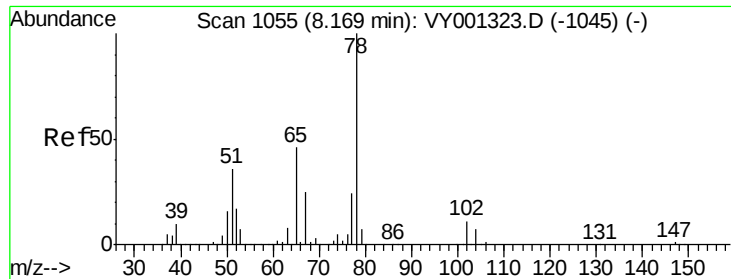
Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion:	97	Resp:	33867
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	43.3	35.9	53.9





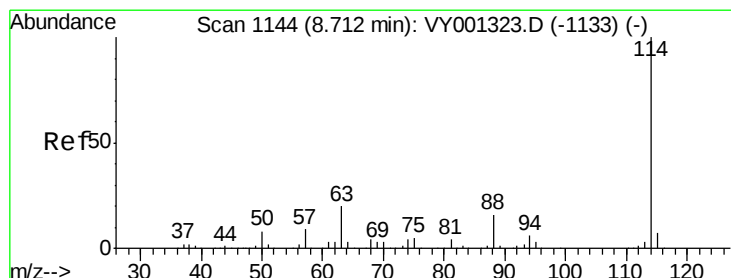
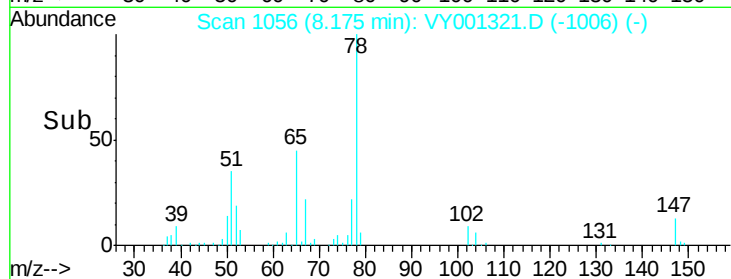
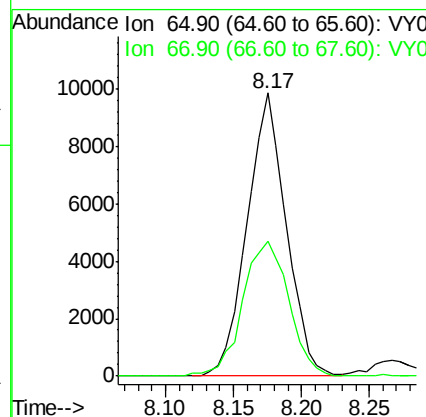
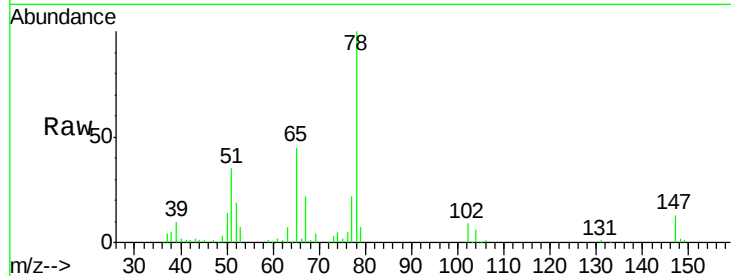
#33
 1,2-Dichloroethane-d4
 Concen: 10.139 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	108.6

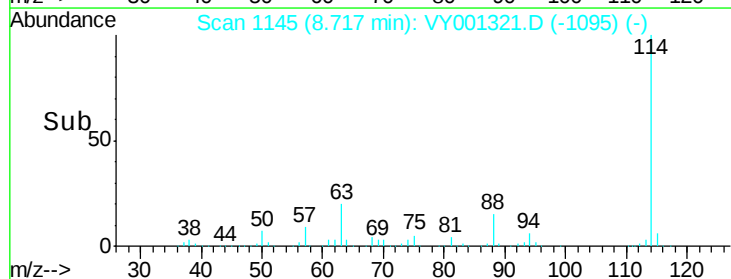
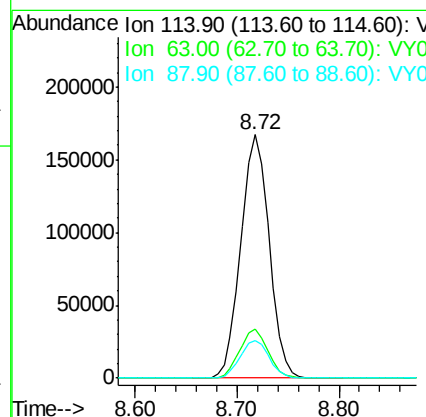
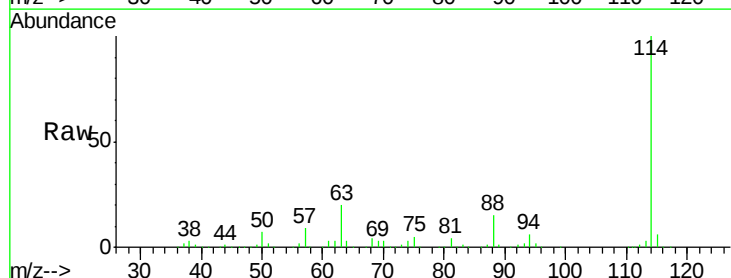
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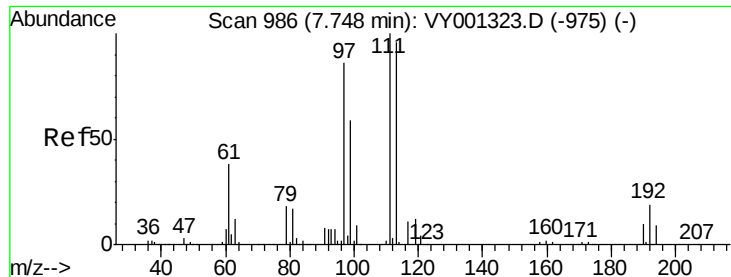
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.2	0.0	31.0





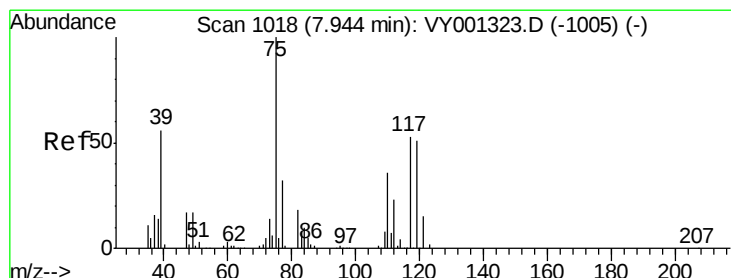
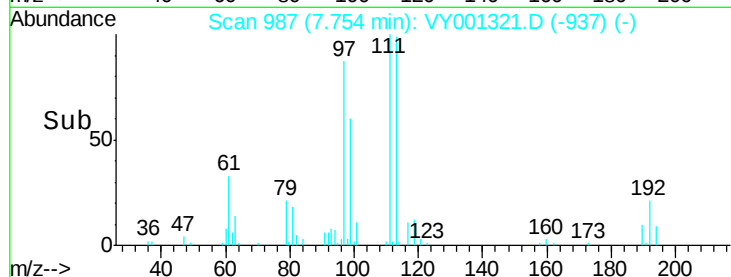
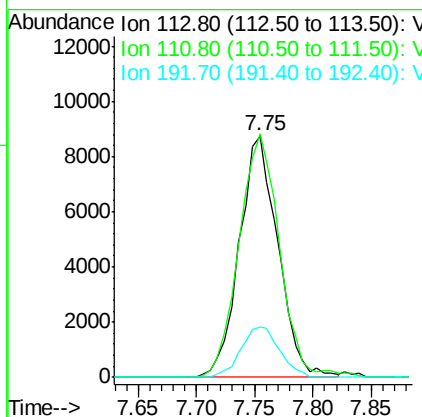
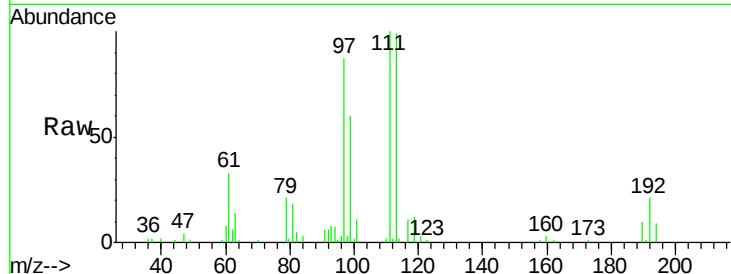
#35
 Dibromofluoromethane
 Concen: 10.715 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.8	124.2
192	20.7	15.5	23.3

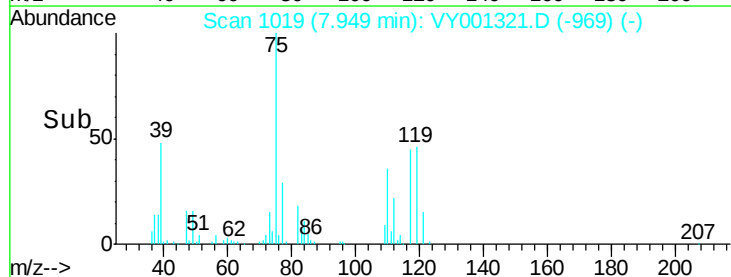
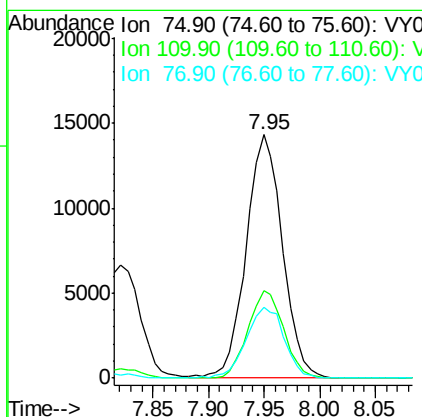
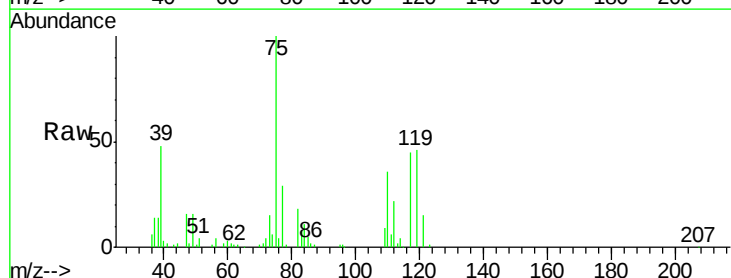
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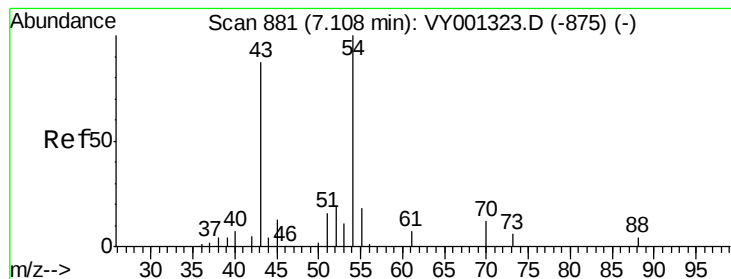
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#36
 1,1-Dichloropropene
 Concen: 11.046 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.8
77	30.5	24.7	37.1





#37

Ethyl Acetate

Concen: 11.445 ug/l

RT: 7.11 min Scan# 882

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

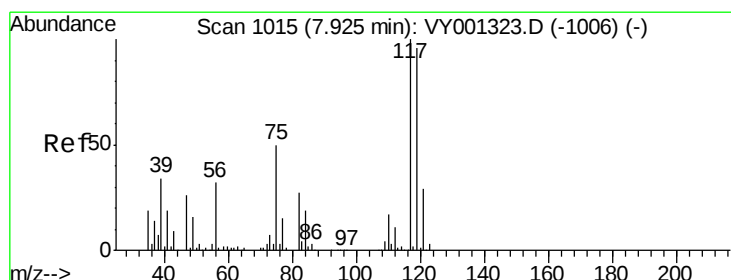
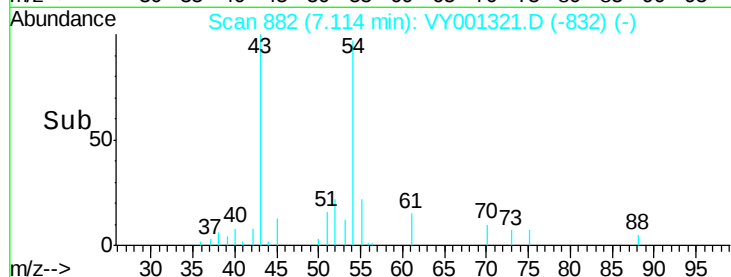
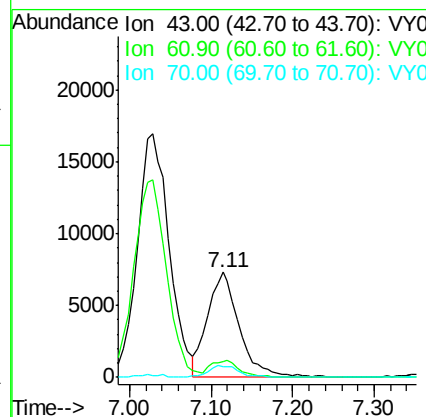
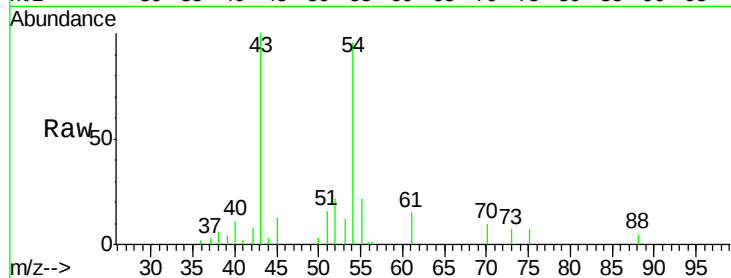
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	20028
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.9	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 10.380 ug/l

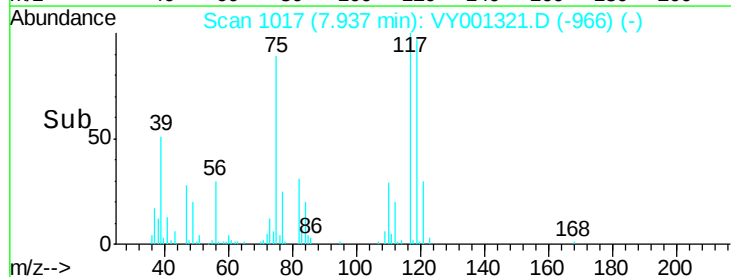
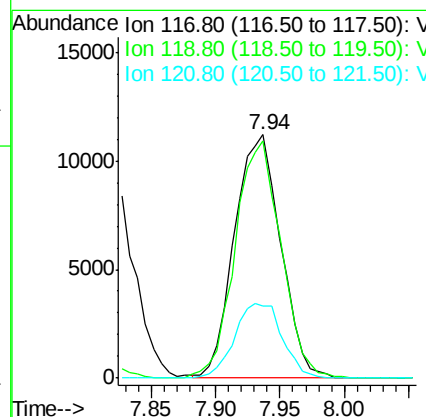
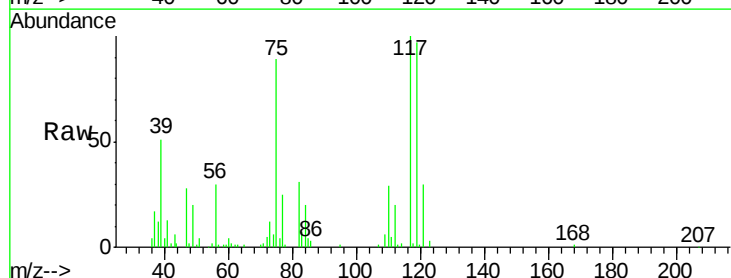
RT: 7.94 min Scan# 1017

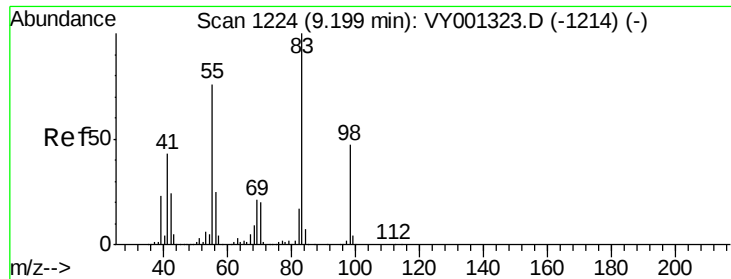
Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion:	117	Resp:	27945
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5
121	29.9	23.5	35.3





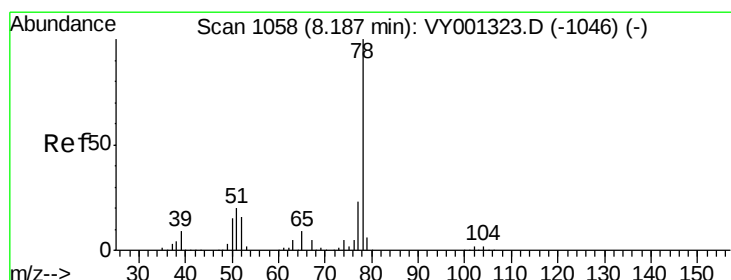
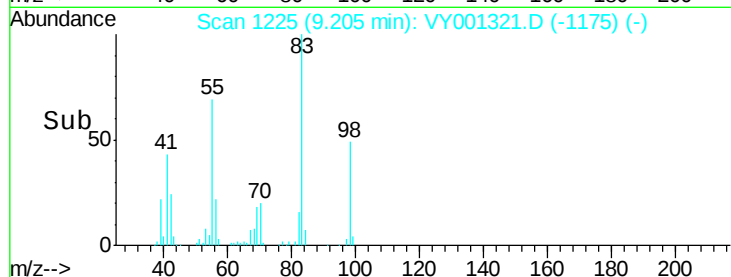
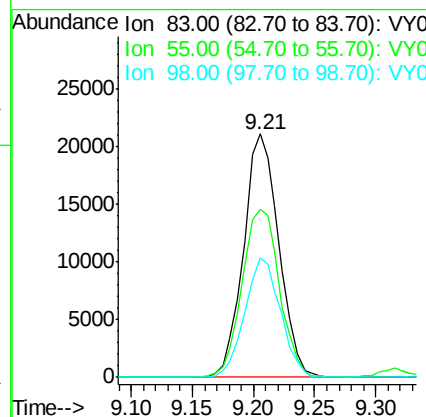
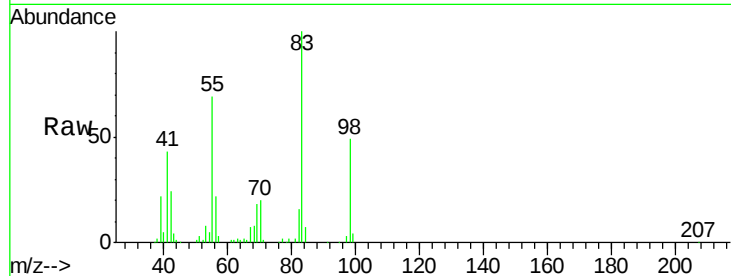
#39
Methvlcvclohexane
Concen: 10.606 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	60.7	91.1
98	48.9	37.8	56.8

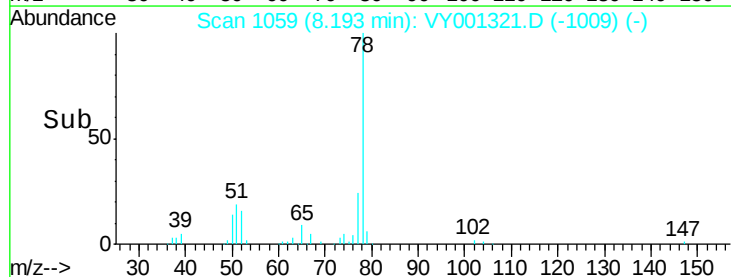
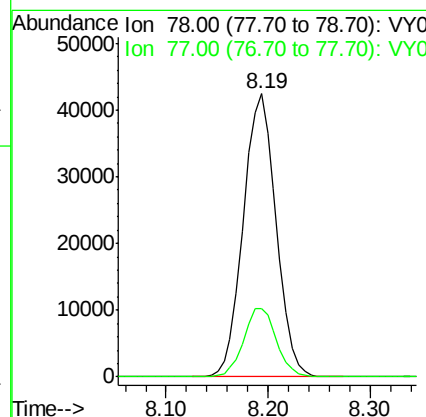
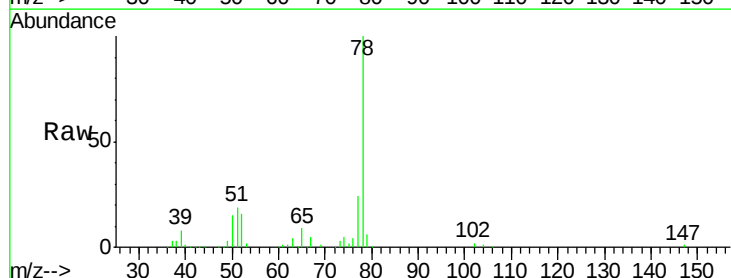
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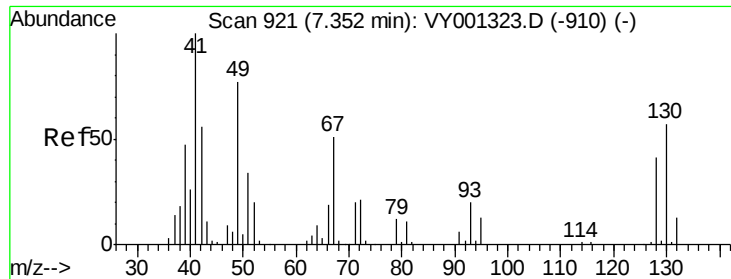
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#40
Benzene
Concen: 10.932 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	27.8





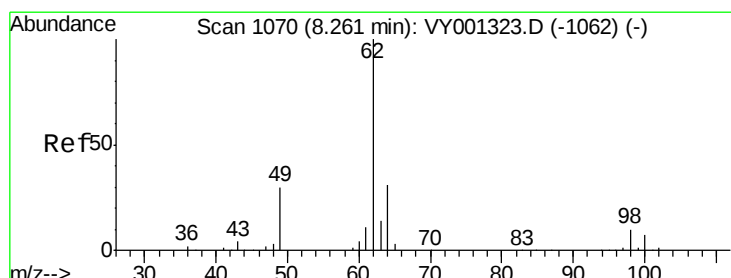
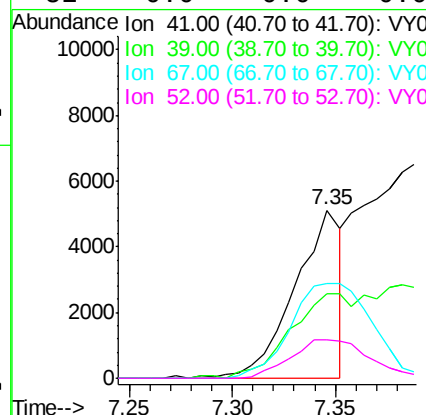
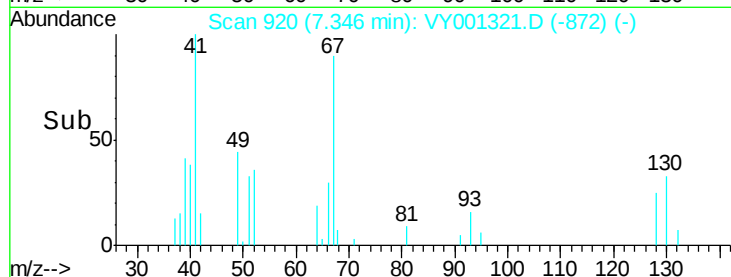
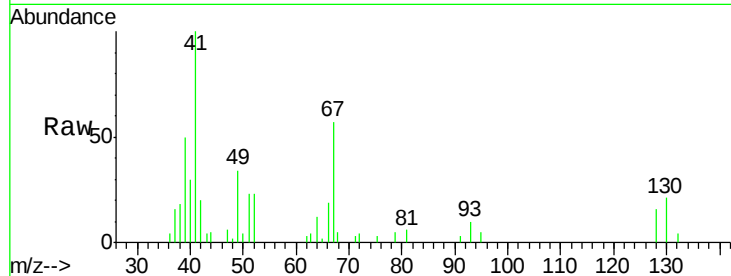
#41
Methacrylonitrile
Concen: 9.829 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

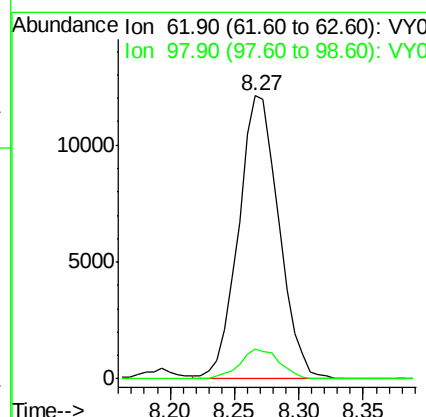
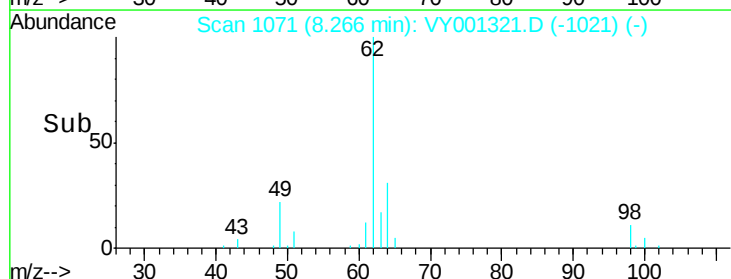
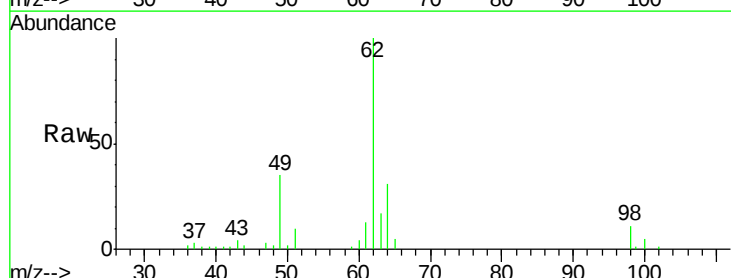
Manual Integrations
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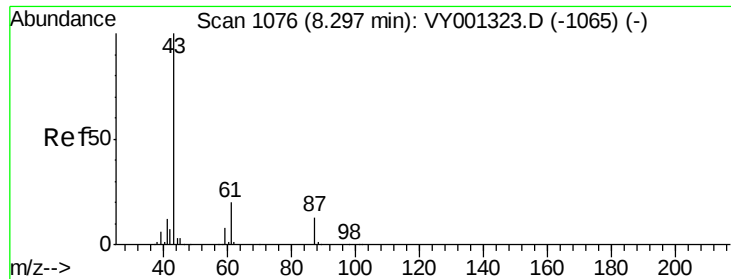
MMDadoda
1/22/2020 10:49:22 AM



#42
1,2-Dichloroethane
Concen: 10.880 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





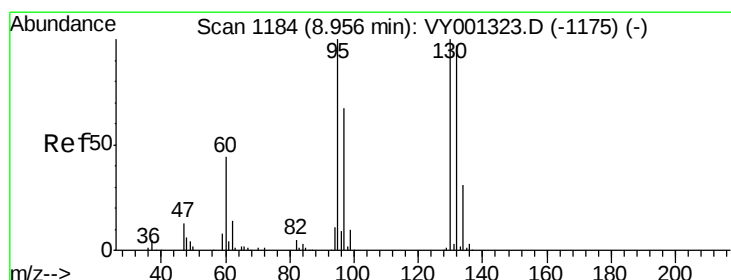
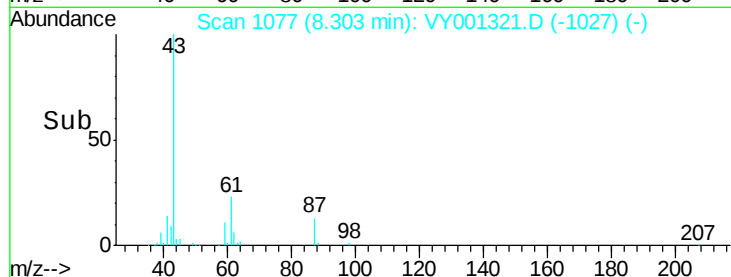
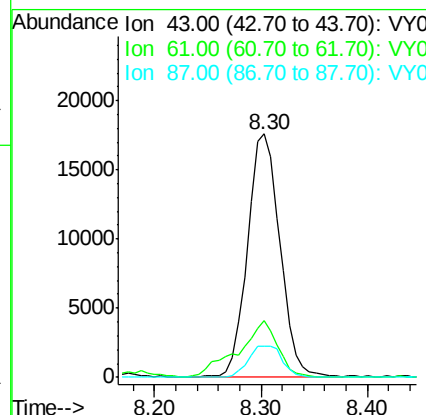
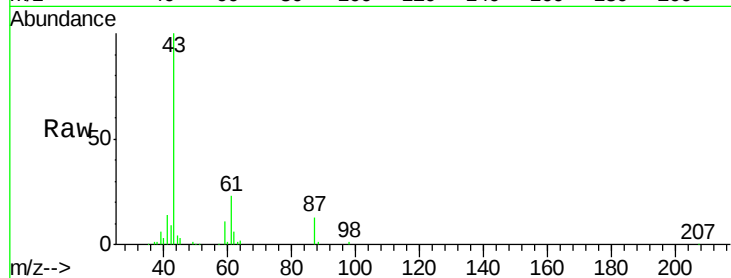
#43
Isopropyl Acetate
Concen: 11.273 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	13.3	11.0	16.4

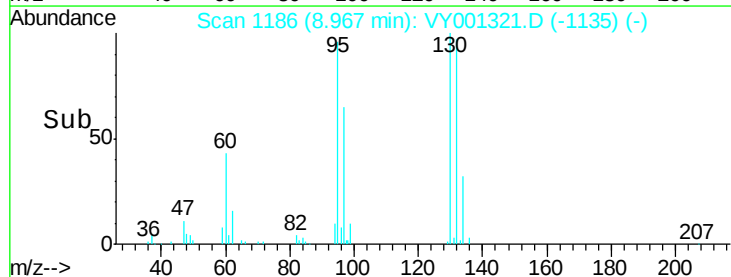
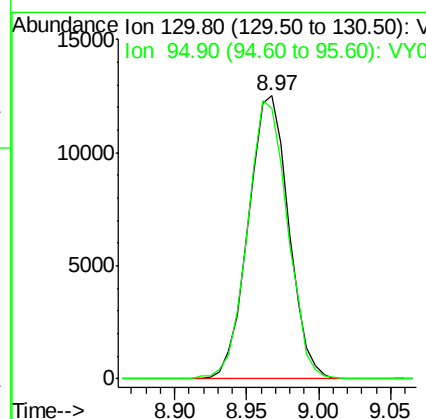
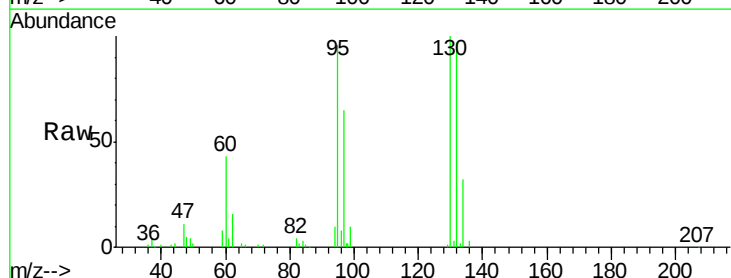
Manual Integrations
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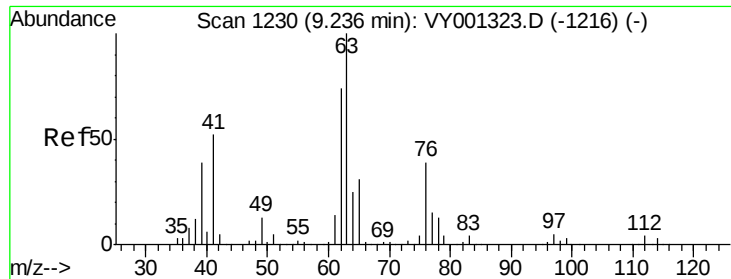
MMDadoda
1/22/2020 10:49:22 AM



#44
Trichloroethene
Concen: 10.835 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	200.0





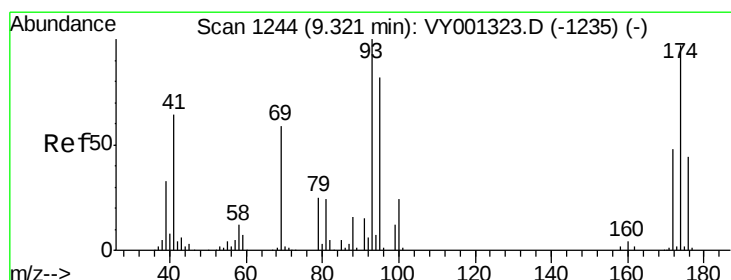
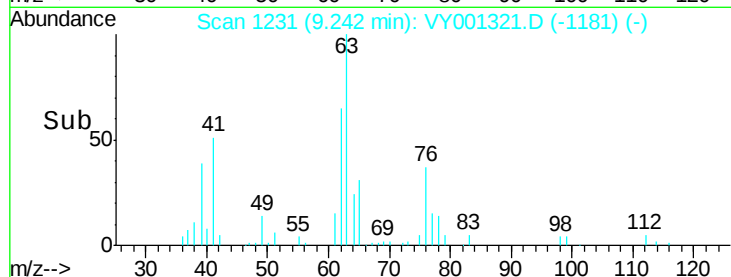
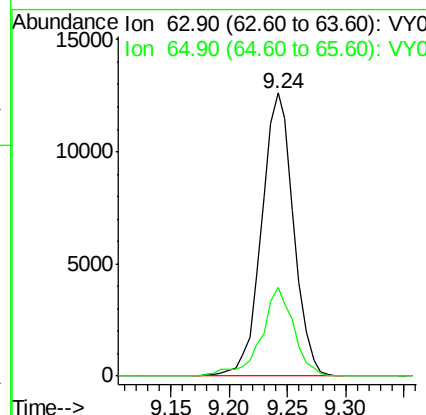
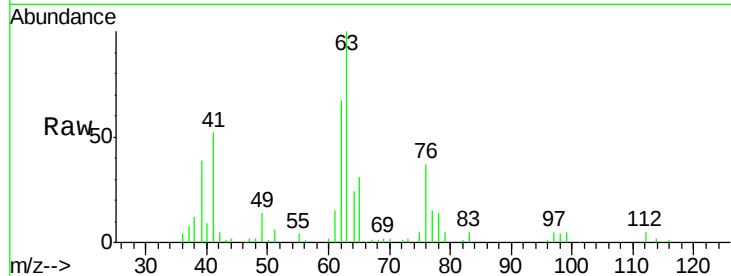
#45
 1,2-Dichloropropane
 Concen: 11.208 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.9	37.3

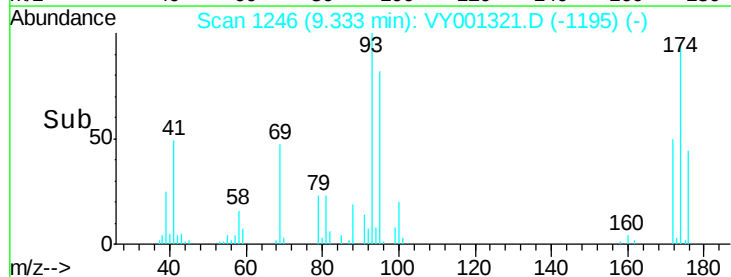
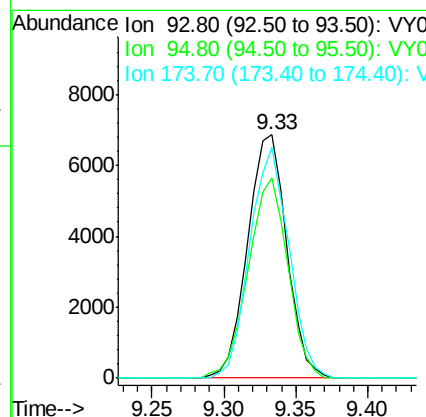
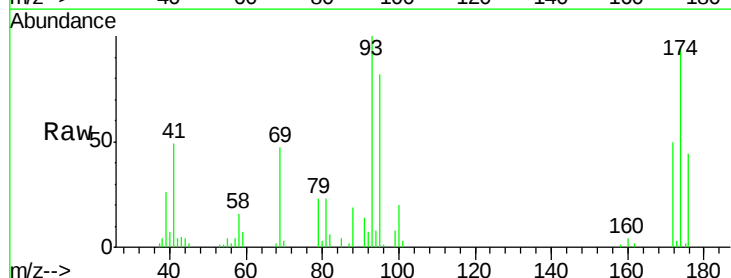
Manual Integrations
 APPROVED

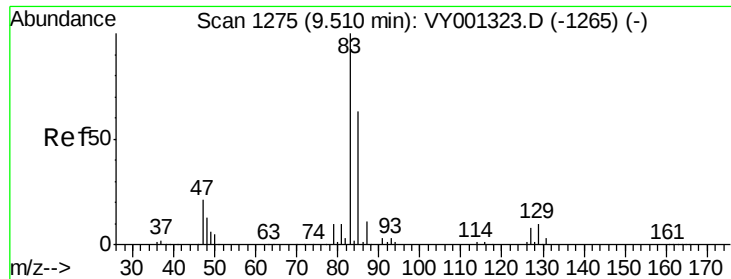
MMDadoda
 1/22/2020 10:49:22 AM



#46
 Dibromomethane
 Concen: 11.052 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.5	99.7
174	94.7	77.9	116.9





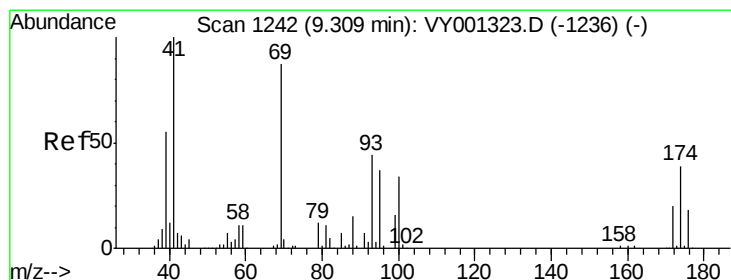
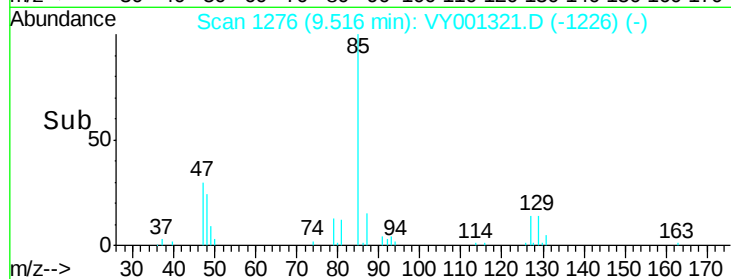
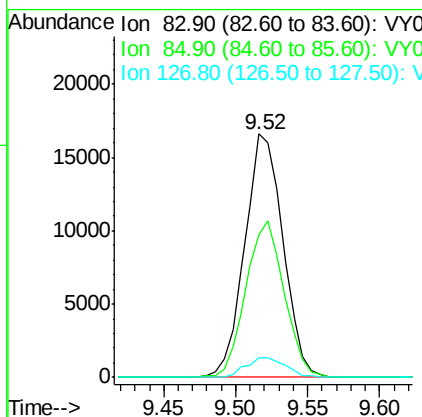
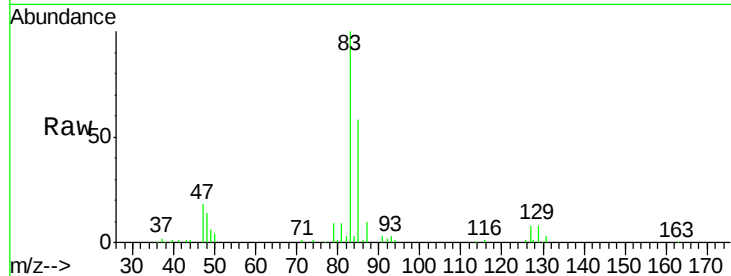
#47
Bromodichloromethane
Concen: 10.753 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
85	58.3	50.2	75.2
127	7.9	6.4	9.6

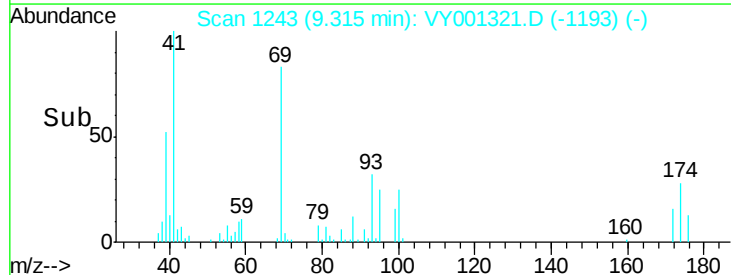
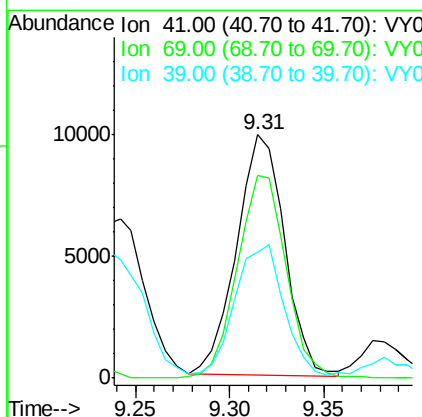
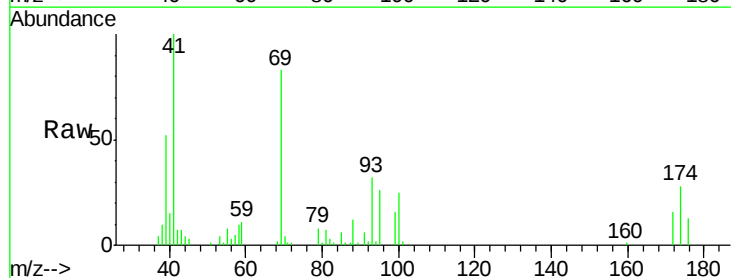
Manual Integrations
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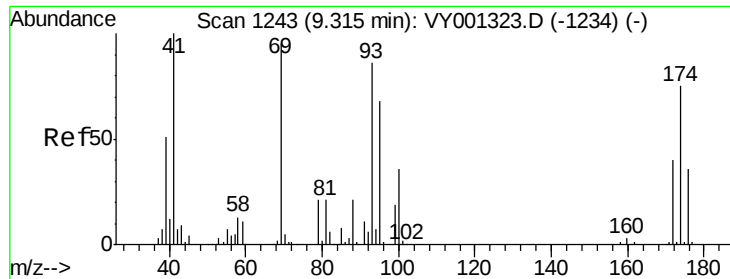
MMDadoda
1/22/2020 10:49:22 AM



#48
Methyl methacrylate
Concen: 11.315 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	70.2	105.4
39	57.6	45.7	68.5





#49

1,4-Dioxane

Concen: 267.797 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

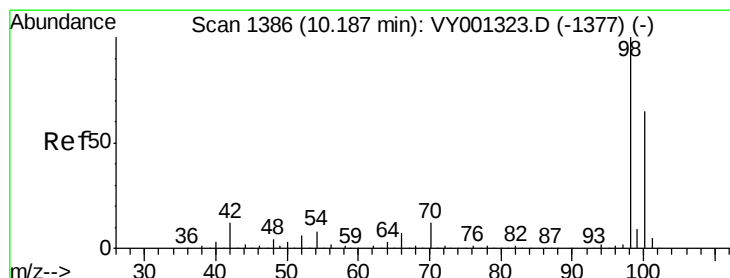
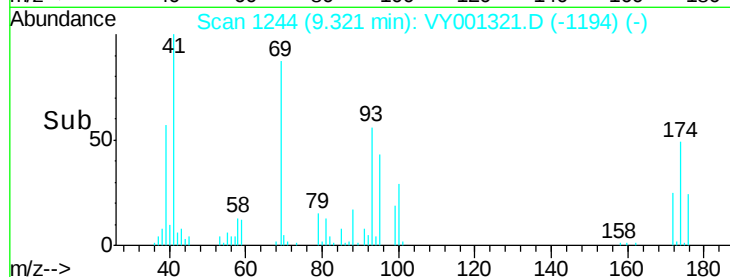
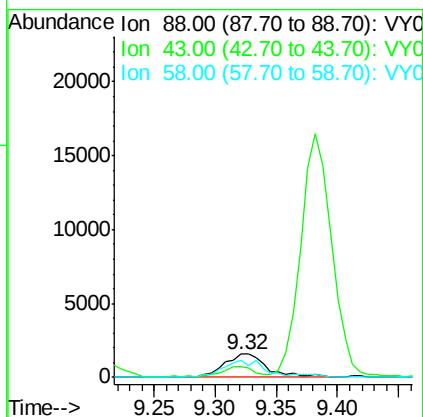
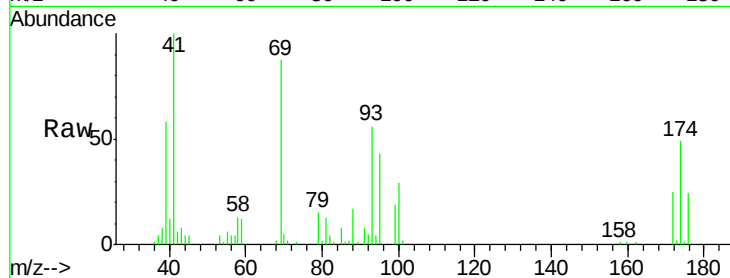
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	3857
Ion	Ratio	Lower	Upper
88	100		
43	38.4	28.2	42.2
58	68.6	55.6	83.4

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#50

Toluene-d8

Concen: 9.740 ug/l

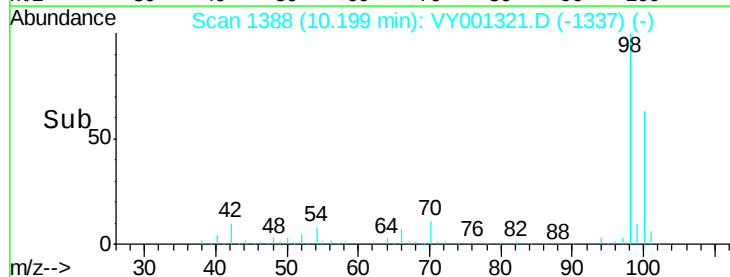
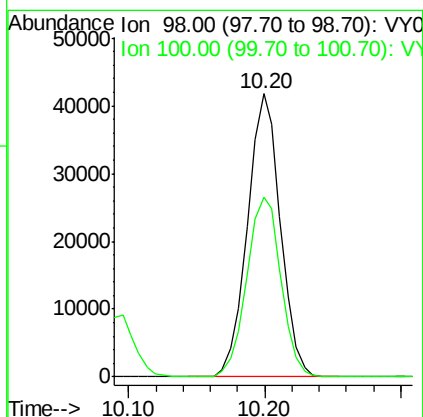
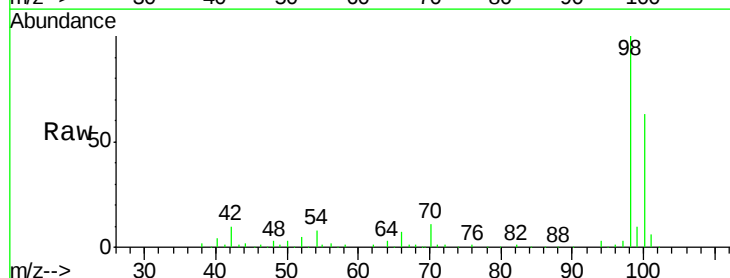
RT: 10.20 min Scan# 1388

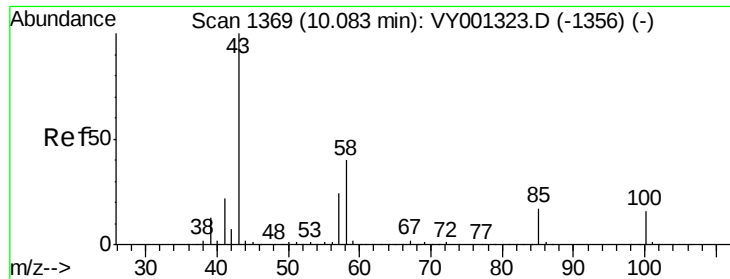
Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion:	98	Resp:	70748
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 57.034 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 97217

Ion Ratio Lower Upper

43 100

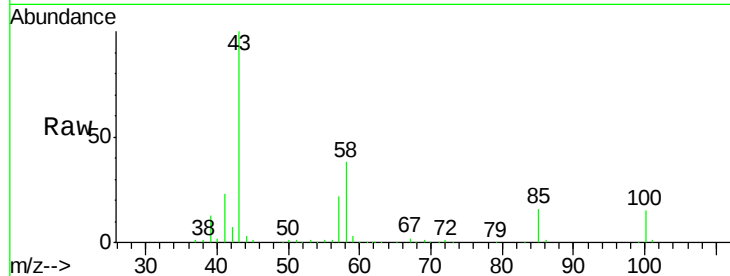
58 39.5 31.5 47.3

Manual Integrations

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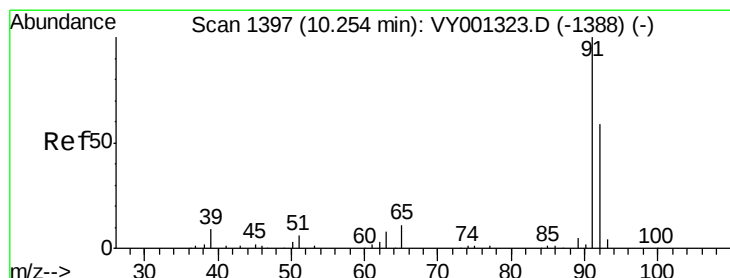
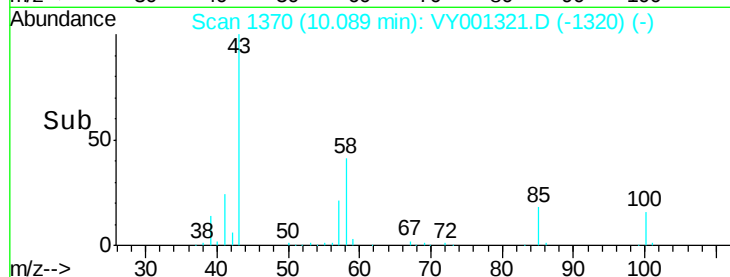
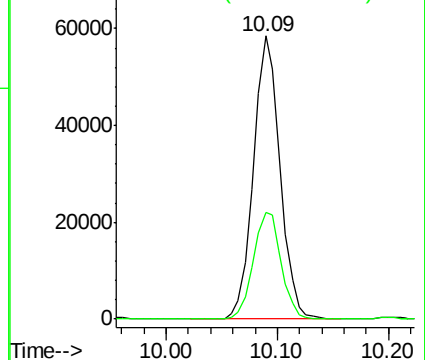
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 10.928 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001321.D

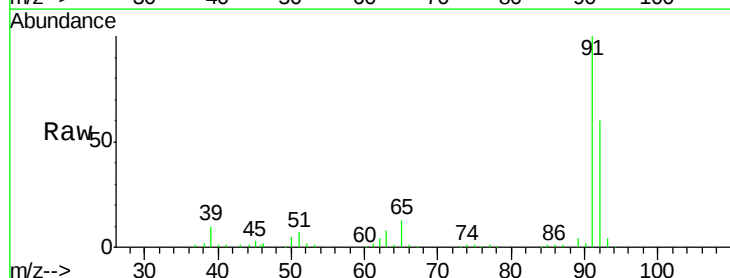
Acq: 21 Jan 2020 15:03

Tgt Ion: 92 Resp: 60122

Ion Ratio Lower Upper

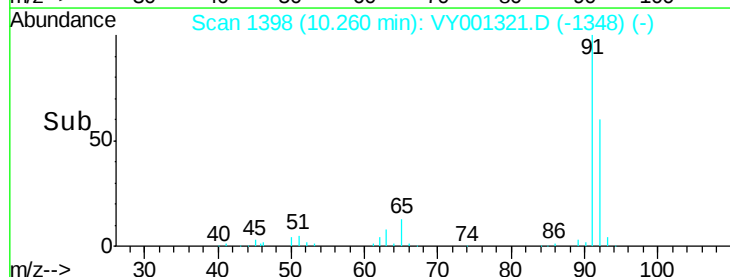
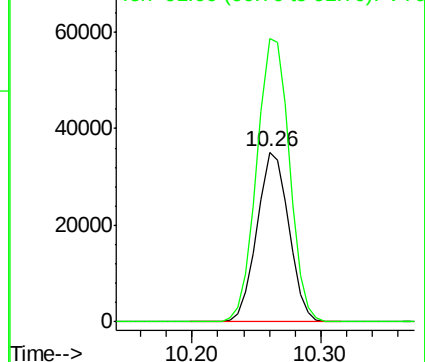
92 100

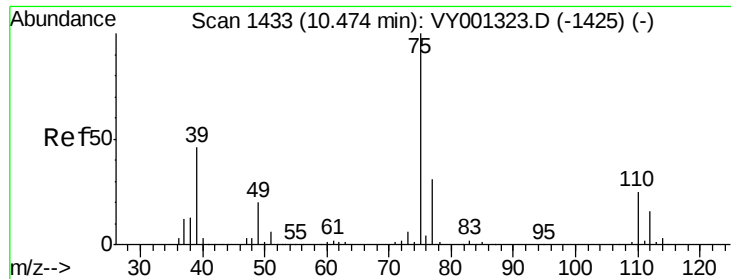
91 170.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





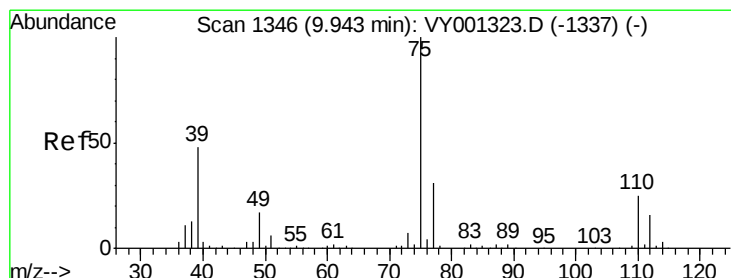
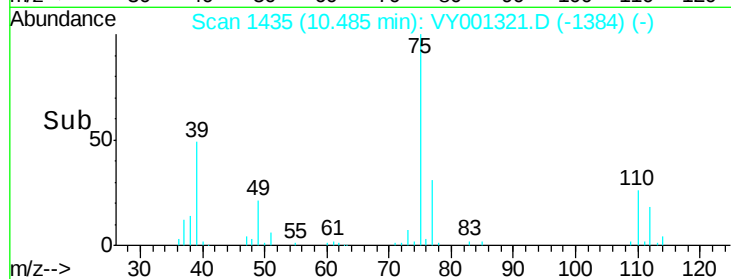
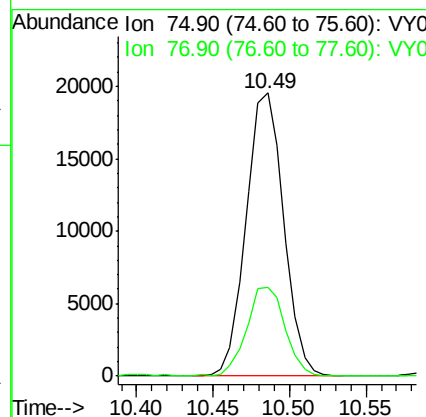
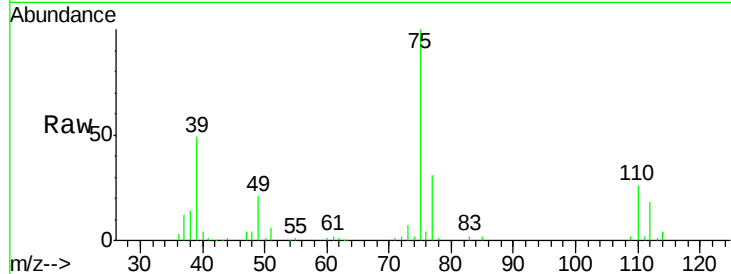
#53
t-1,3-Dichloropropene
Concen: 10.492 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 33312
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

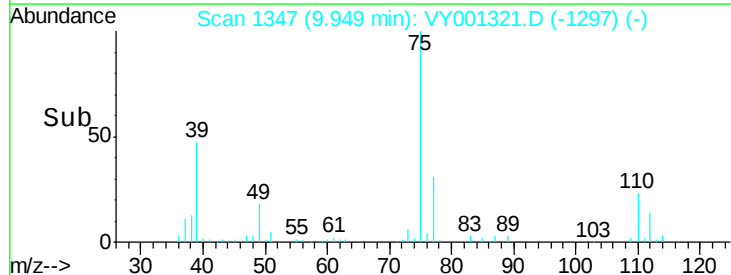
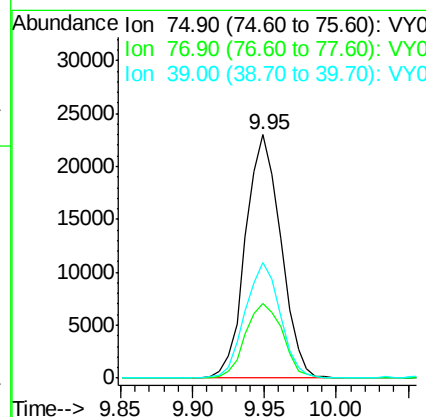
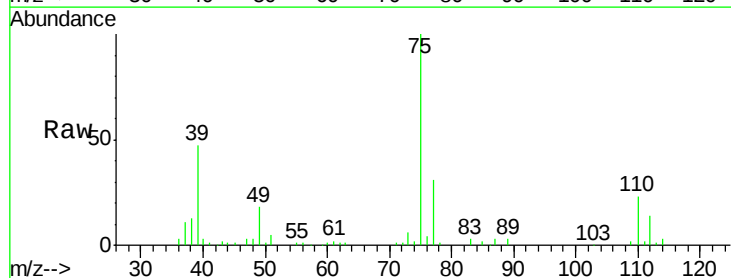
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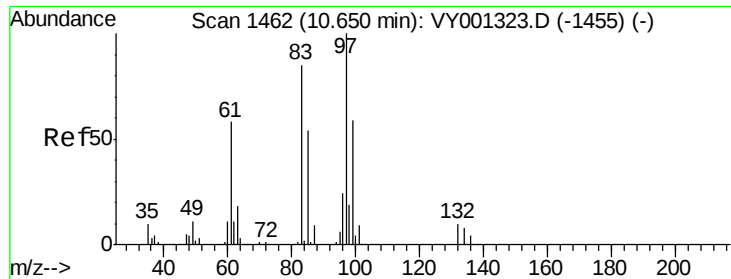
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#54
cis-1,3-Dichloropropene
Concen: 10.903 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion: 75 Resp: 39075
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 47.3 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 11.120 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

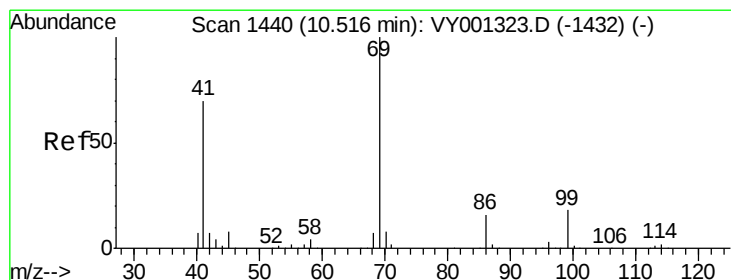
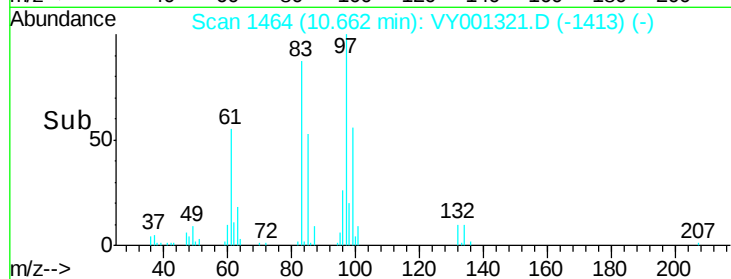
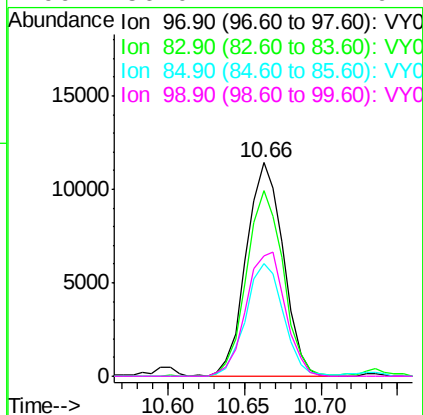
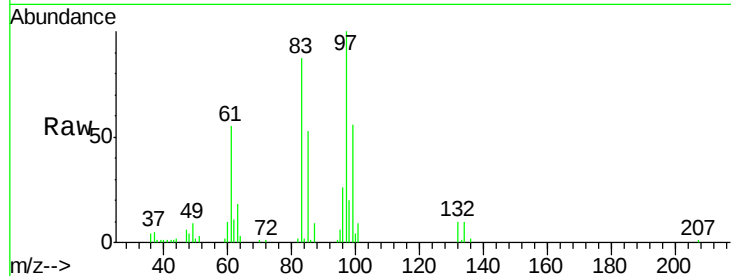
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	19289
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.0	102.0
85	53.0	43.6	65.4
99	56.0	47.1	70.7

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#56

Ethyl methacrylate

Concen: 10.553 ug/l

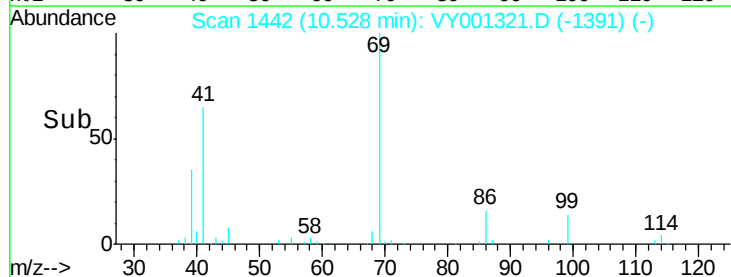
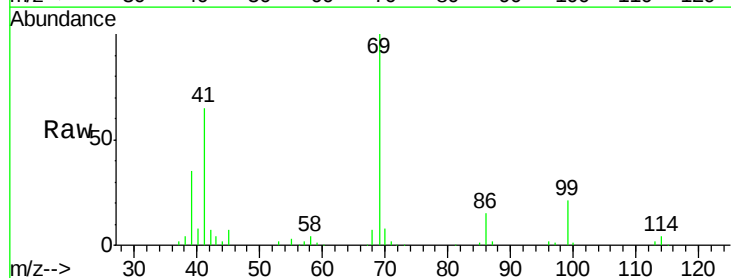
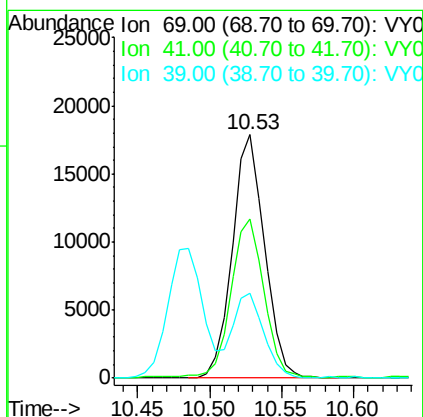
RT: 10.53 min Scan# 1442

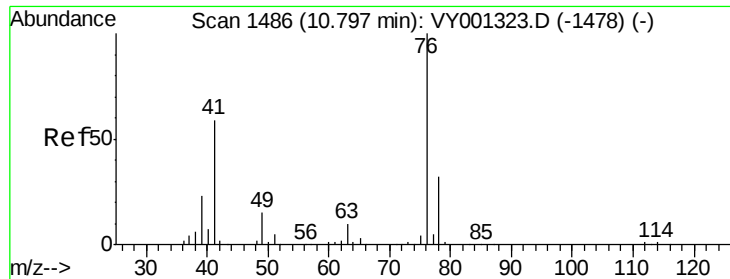
Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion:	69	Resp:	27926
Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.1	81.1
39	34.8	26.8	40.2





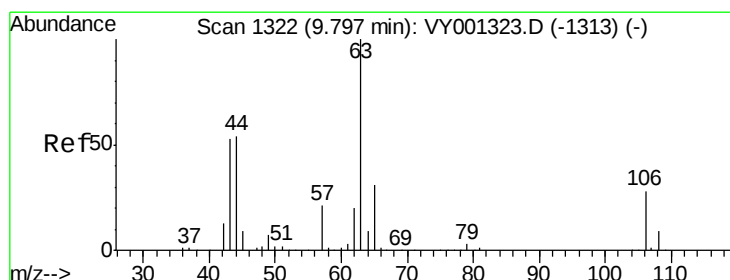
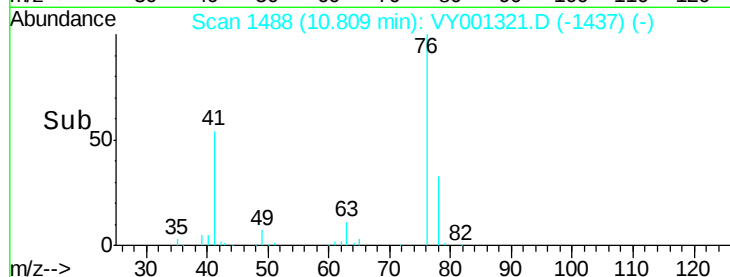
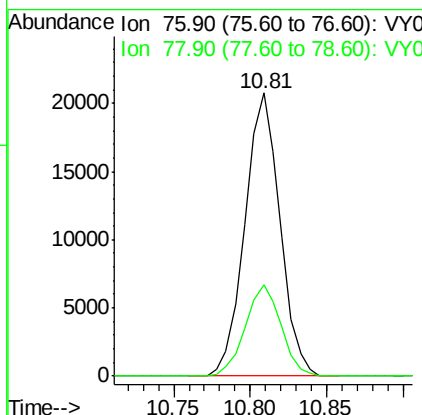
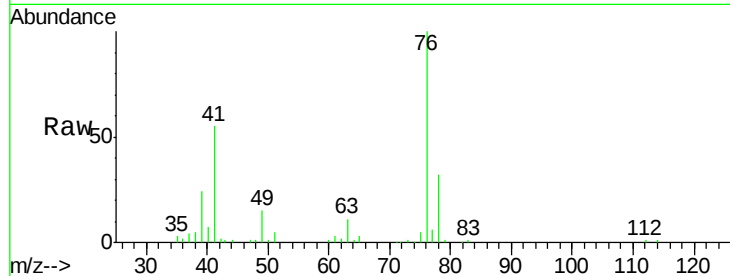
#57
 1,3-Dichloropropane
 Concen: 11.115 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 33086
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

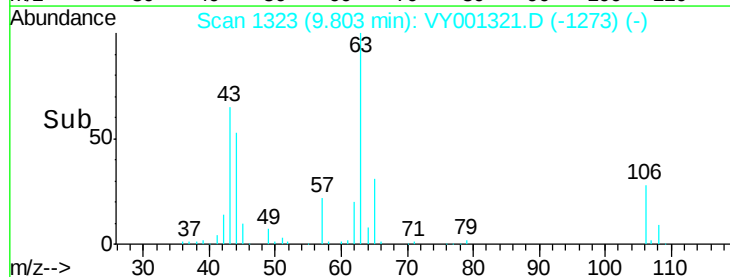
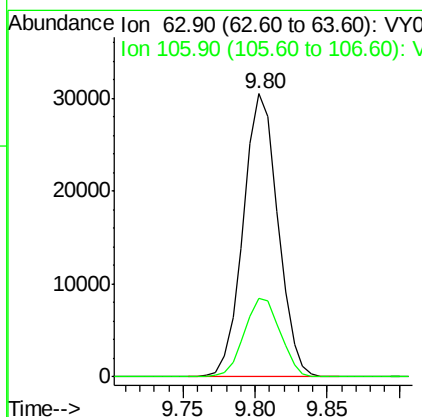
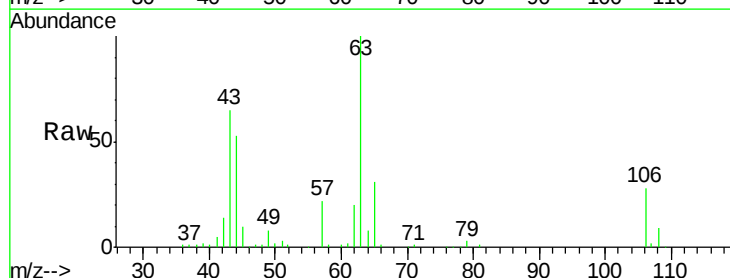
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 55.184 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion: 63 Resp: 50756
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.5 33.7





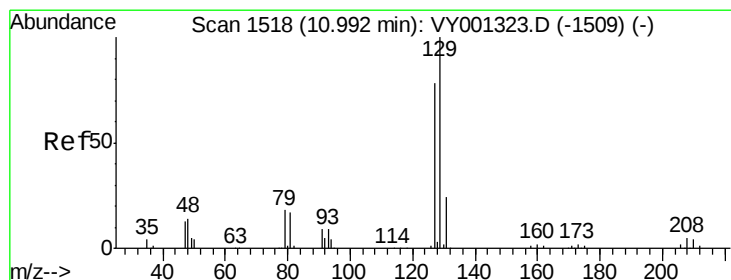
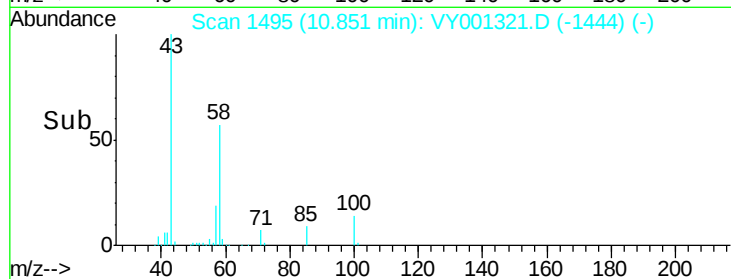
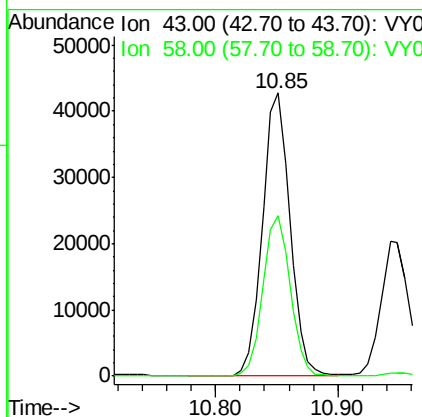
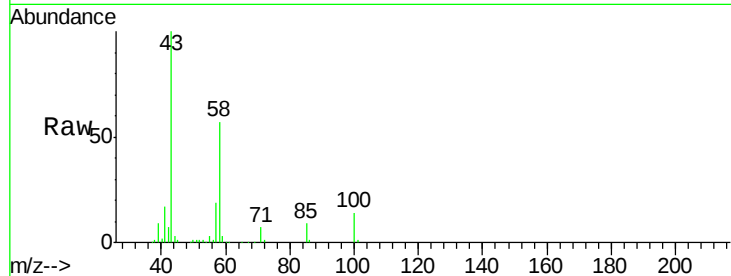
#59
2-Hexanone
Concen: 56.392 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 67403
Ion Ratio Lower Upper
43 100
58 56.4 27.6 82.8

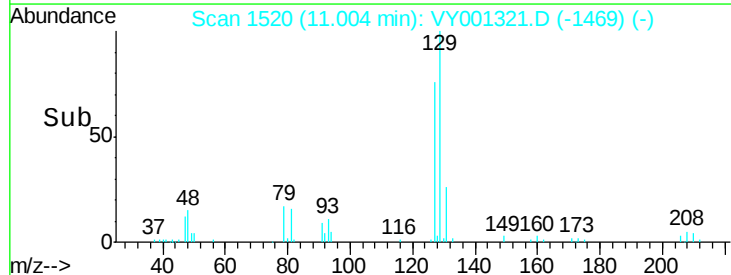
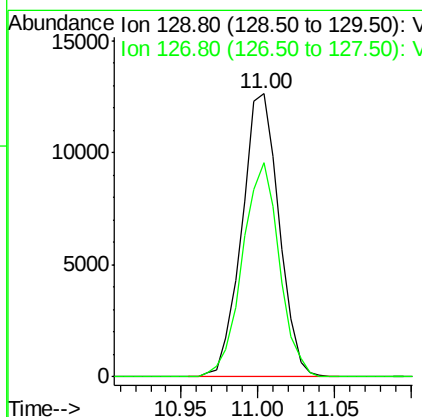
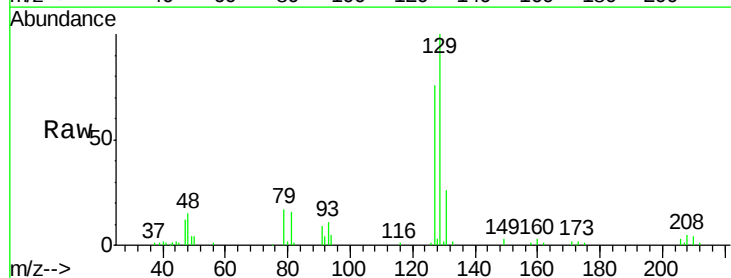
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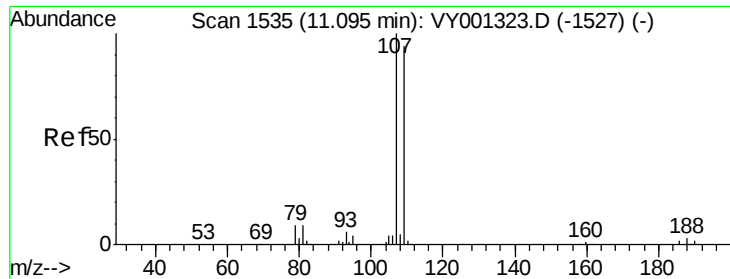
MMDadoda
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#60
Dibromochloromethane
Concen: 10.782 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion: 129 Resp: 21349
Ion Ratio Lower Upper
129 100
127 75.0 38.8 116.4





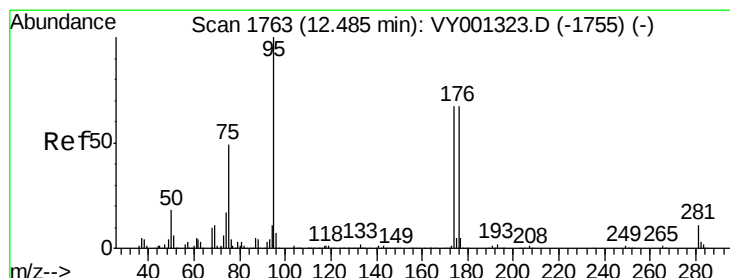
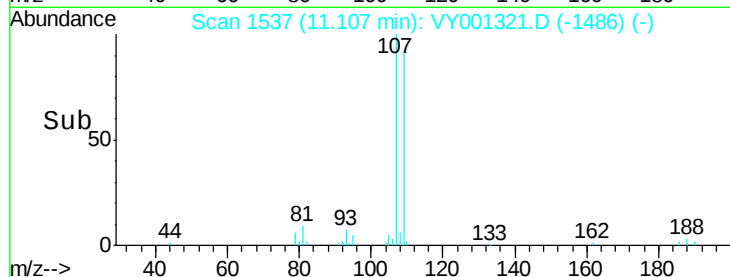
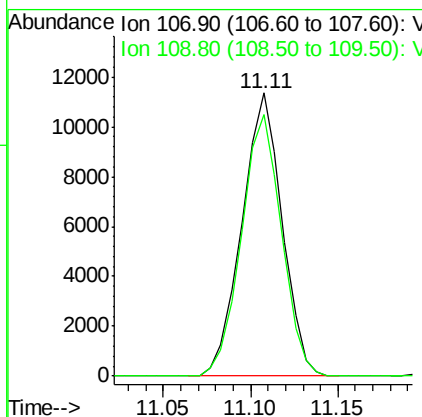
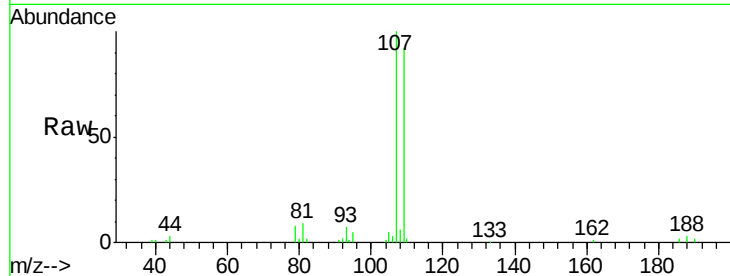
#61
 1,2-Dibromoethane
 Concen: 10.739 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 18095
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.0 112.6

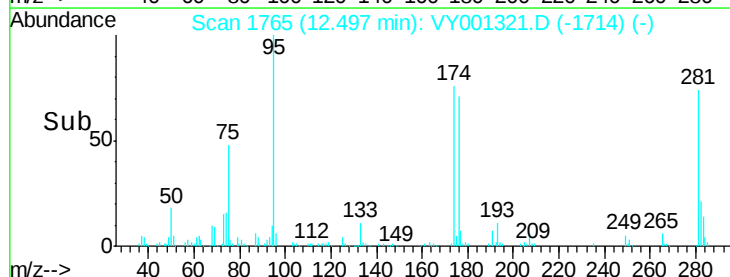
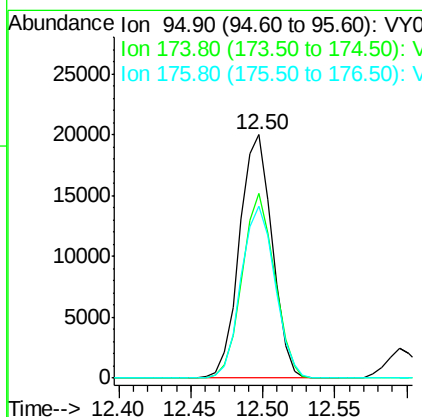
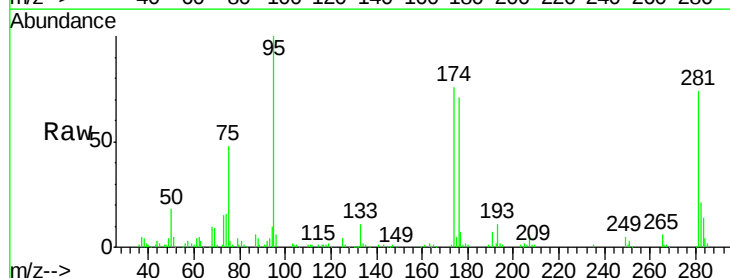
Manual Integrations
 APPROVED

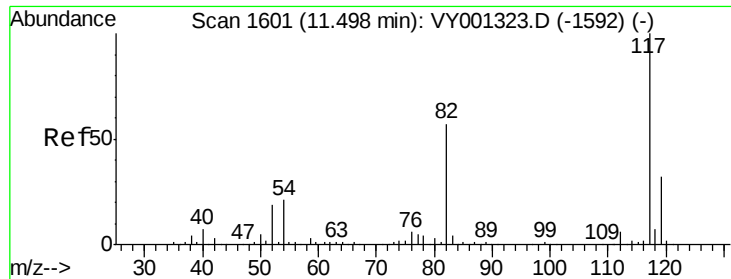
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#62
 4-Bromofluorobenzene
 Concen: 10.610 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion: 95 Resp: 31424
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 142.0
 176 73.1 0.0 138.6





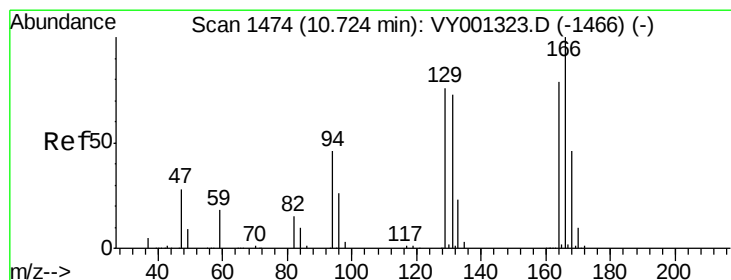
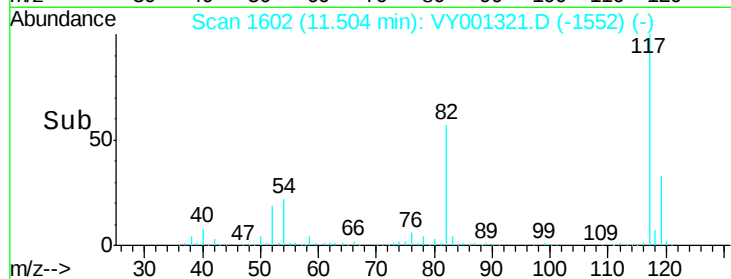
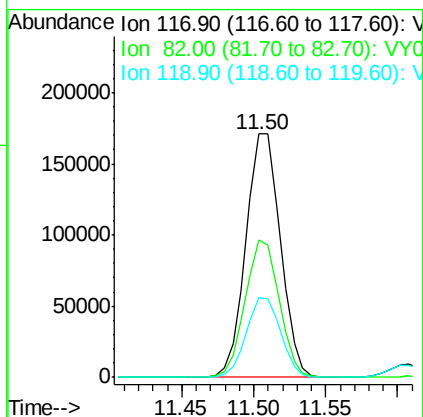
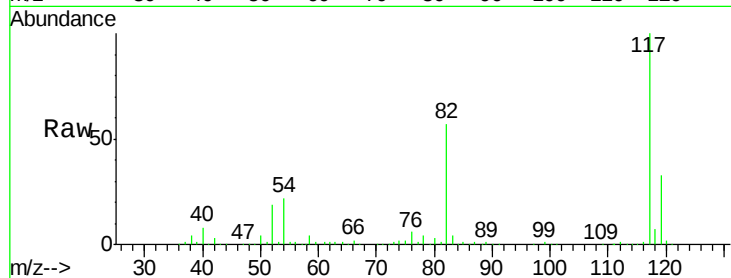
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.5	68.3
119	32.5	25.8	38.6

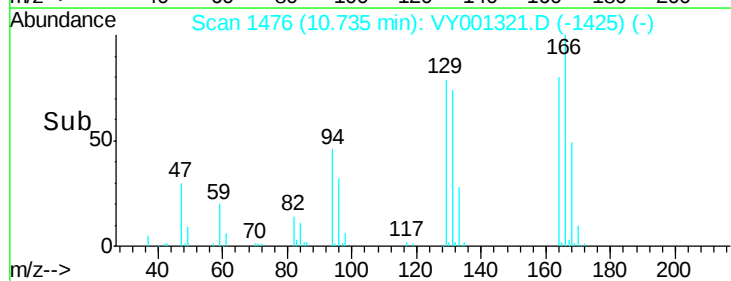
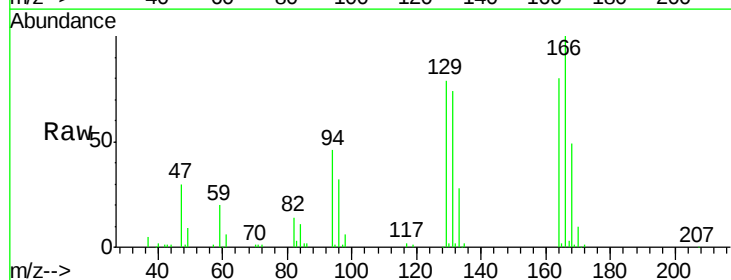
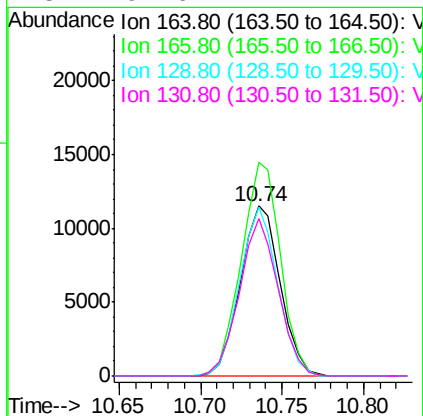
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#64
Tetrachloroethene
Concen: 10.767 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.8	152.8
129	99.4	77.1	115.7
131	92.6	74.2	111.2





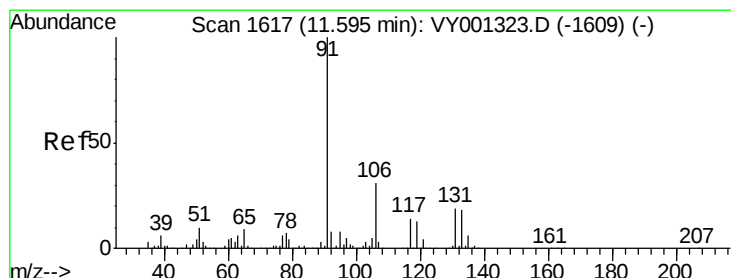
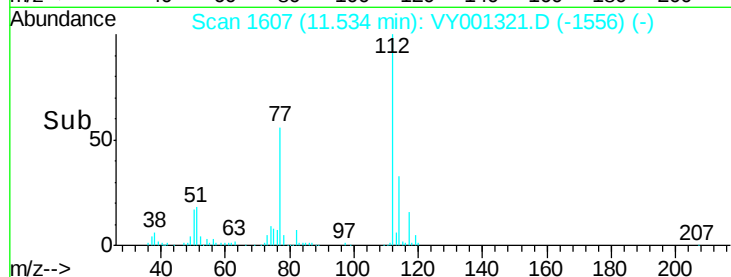
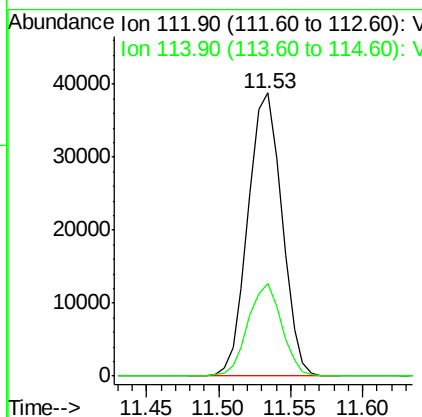
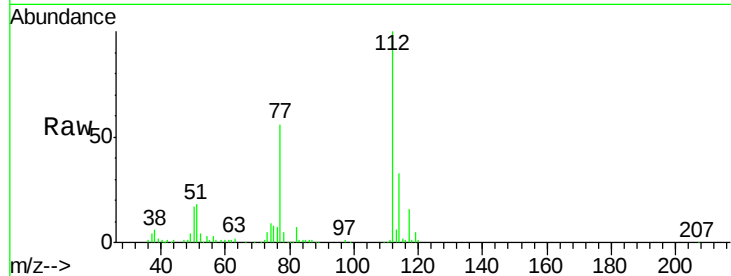
#65
Chlorobenzene
Concen: 11.141 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 63404
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

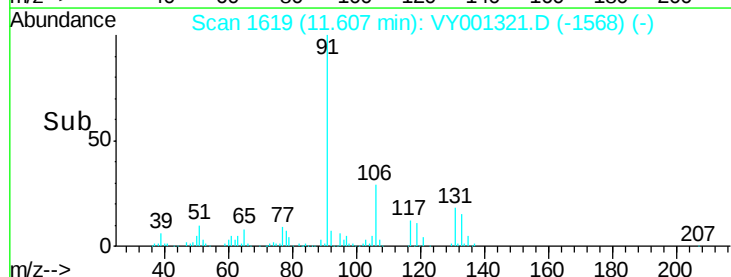
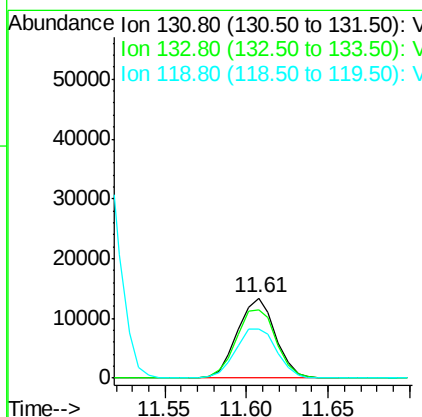
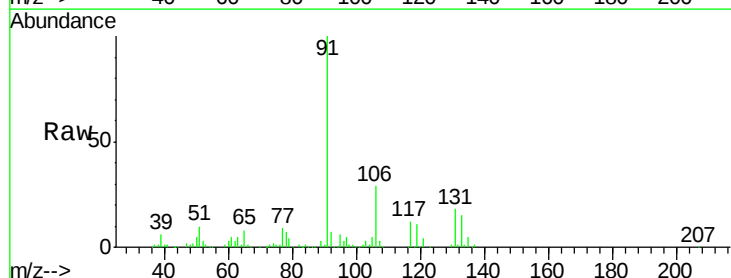
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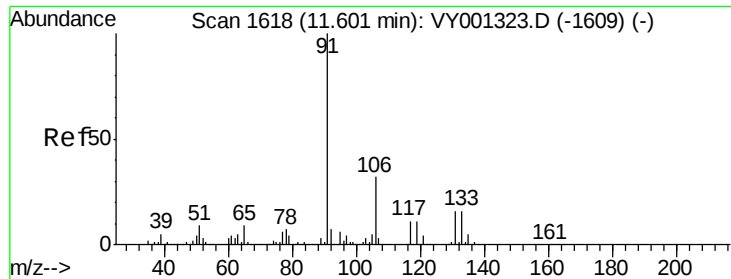
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#66
1,1,1,2-Tetrachloroethane
Concen: 11.029 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion:131 Resp: 21614
Ion Ratio Lower Upper
131 100
133 90.9 47.1 141.3
119 66.4 34.1 102.2





#67

Ethyl Benzene

Concen: 11.098 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 115652

Ion Ratio Lower Upper

91 100

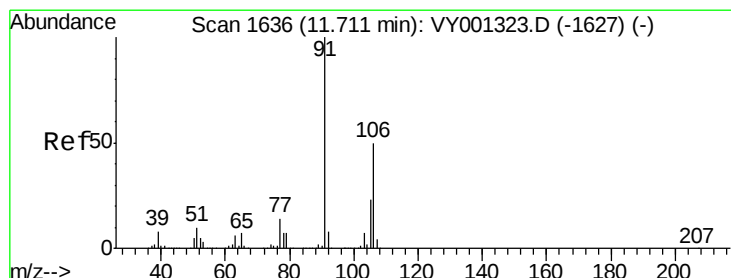
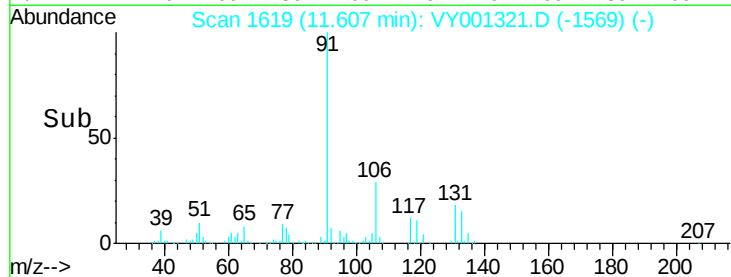
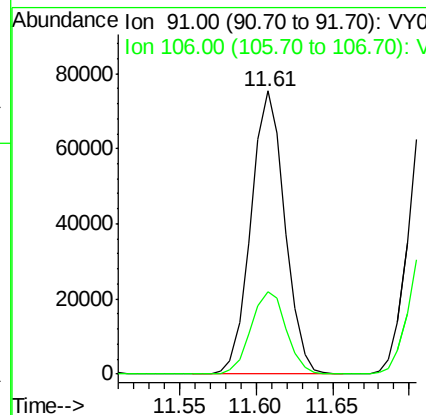
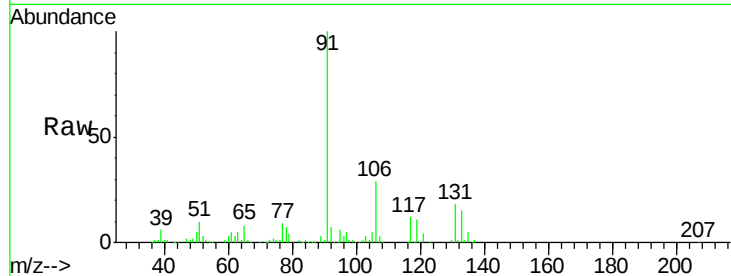
106 29.0 25.4 38.0

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#68

m/p-Xylenes

Concen: 22.062 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001321.D

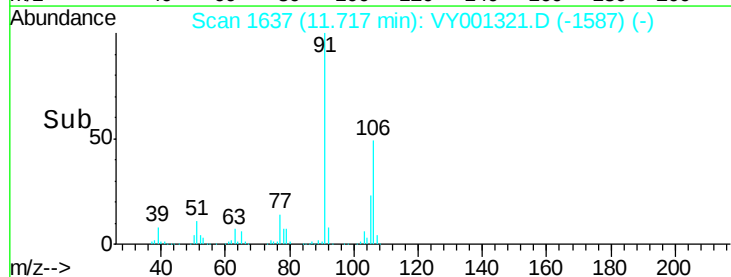
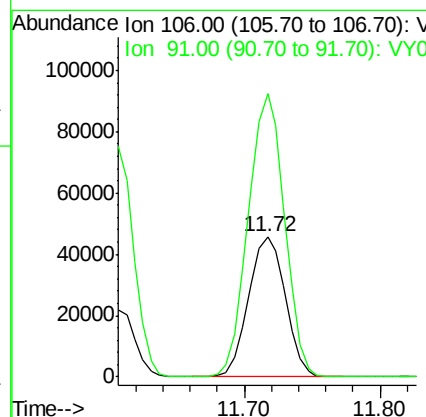
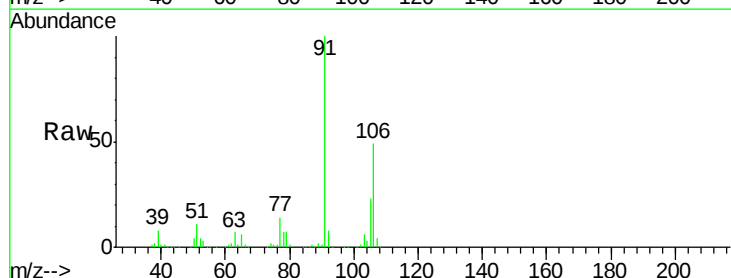
Acq: 21 Jan 2020 15:03

Tgt Ion: 106 Resp: 86470

Ion Ratio Lower Upper

106 100

91 199.7 162.8 244.2





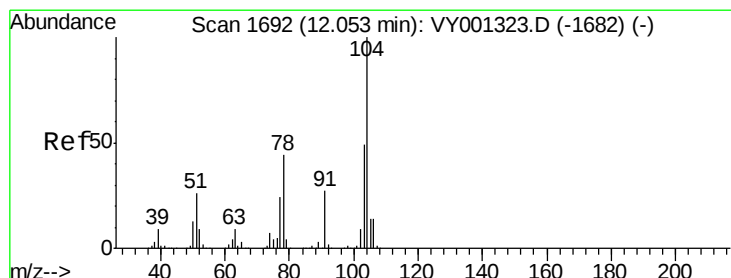
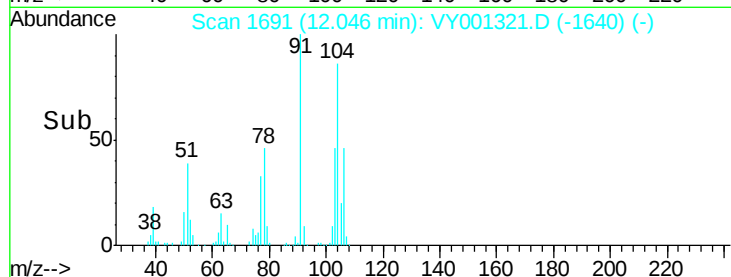
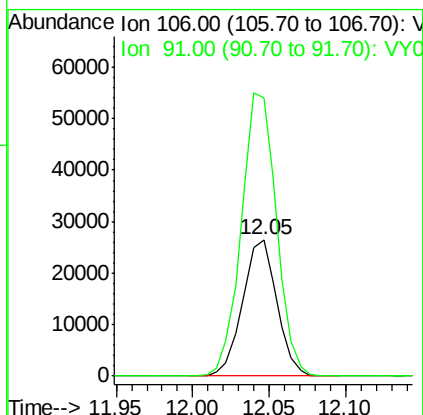
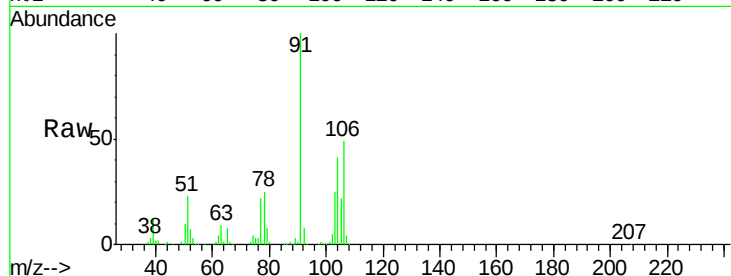
#69
o-Xylene
Concen: 10.931 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 41195
Ion Ratio Lower Upper
106 100
91 212.6 106.3 319.0

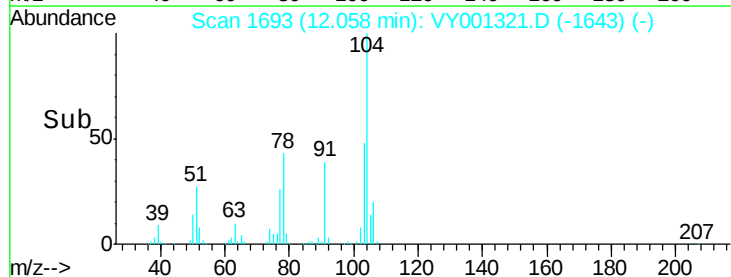
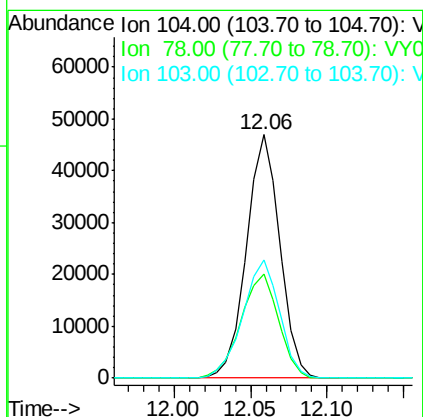
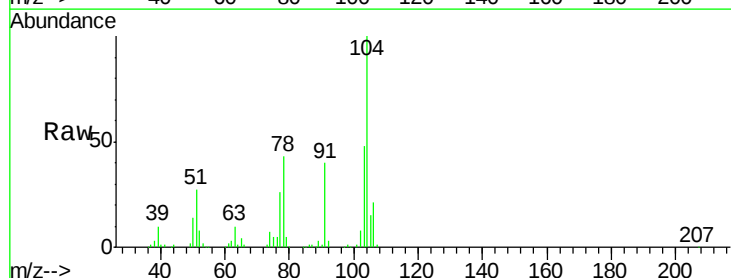
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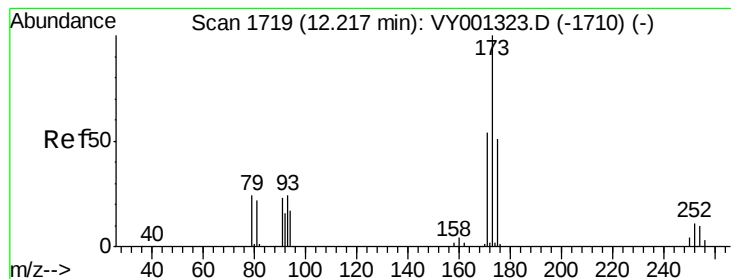
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#70
Styrene
Concen: 10.770 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion:104 Resp: 71137
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.8
103 53.5 43.2 64.8





#71

Bromoform

Concen: 10.354 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 12422

Ion Ratio Lower Upper

173 100

175 47.0 24.3 72.9

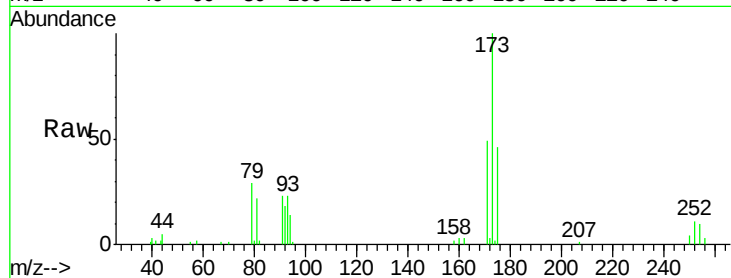
254 0.0 0.0 0.0

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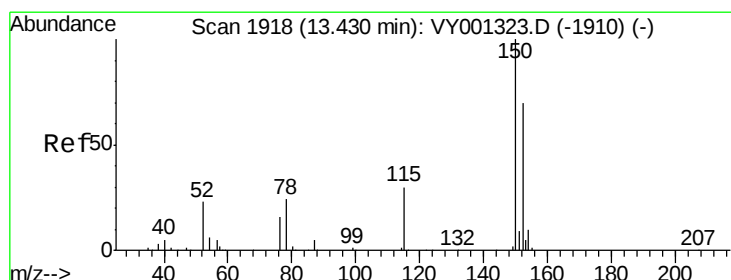
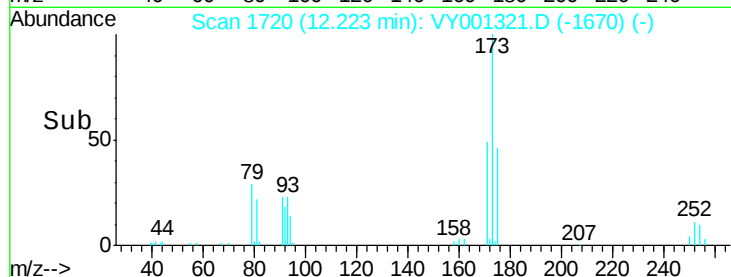
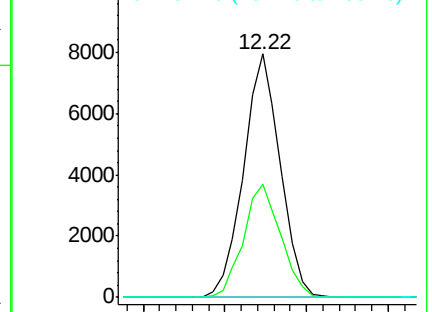
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

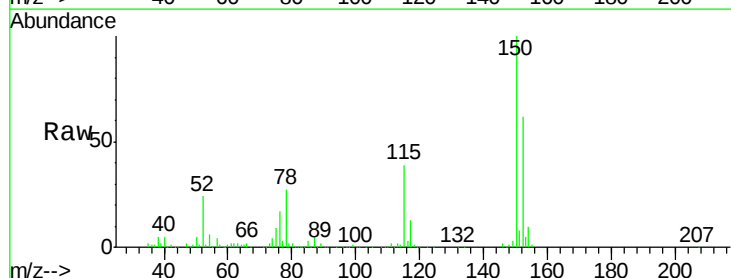
Tgt Ion:152 Resp: 133066

Ion Ratio Lower Upper

152 100

115 60.3 30.9 92.8

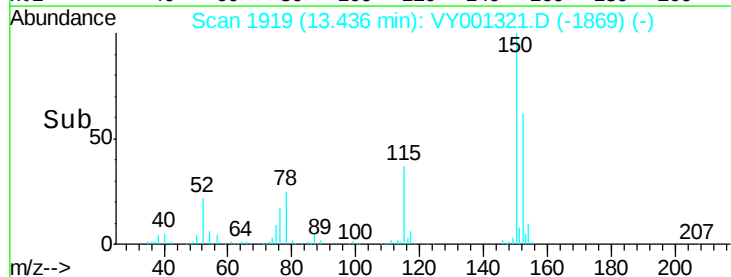
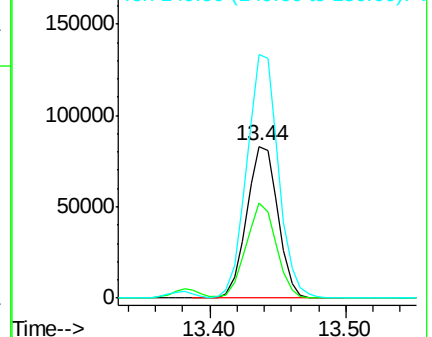
150 162.7 0.0 349.2

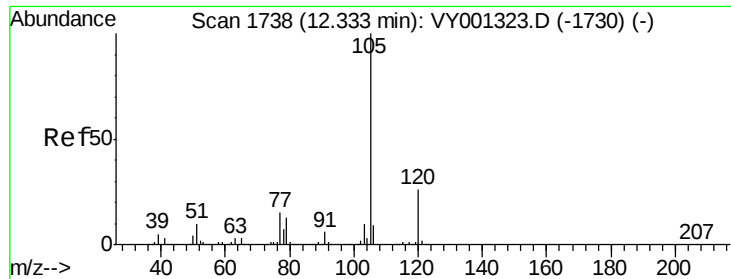


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.893 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 109647

Ion Ratio Lower Upper

105 100

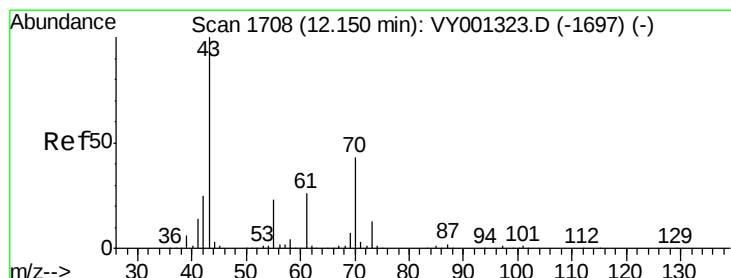
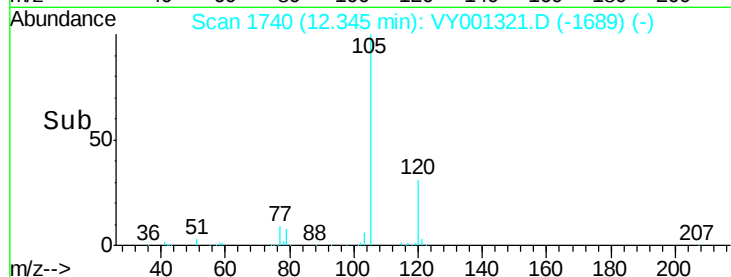
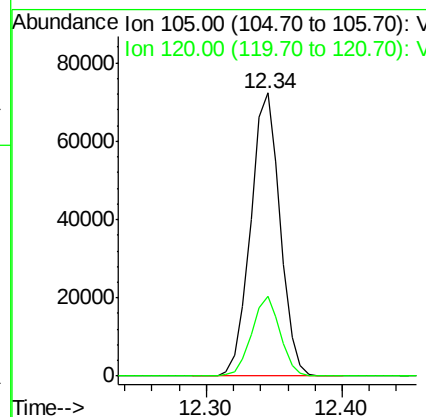
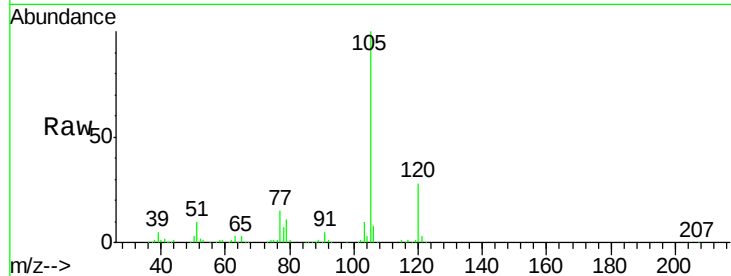
120 27.1 13.5 40.4

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#74

N-ethyl acetate

Concen: 10.901 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Tgt Ion: 43 Resp: 34555

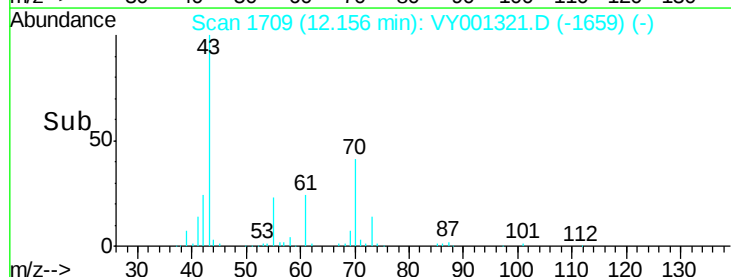
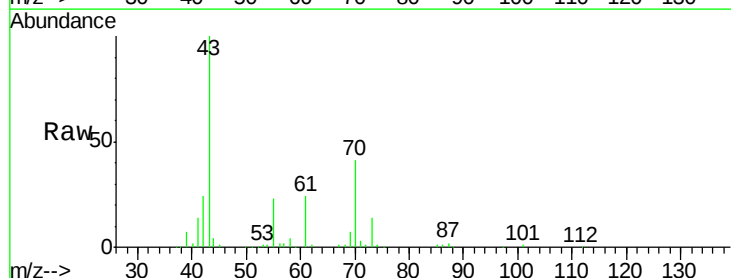
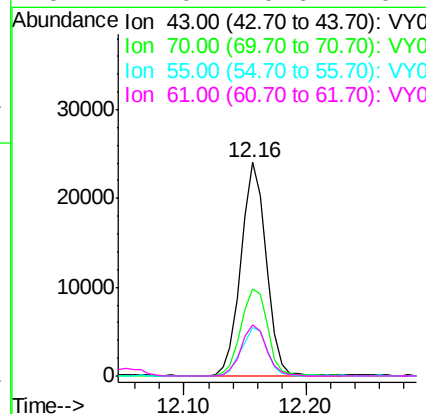
Ion Ratio Lower Upper

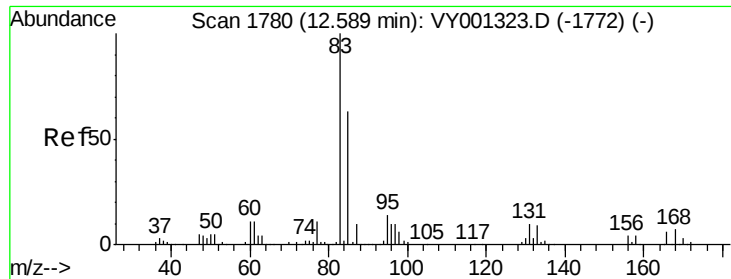
43 100

70 43.1 33.5 50.3

55 22.9 18.2 27.2

61 24.0 19.6 29.4





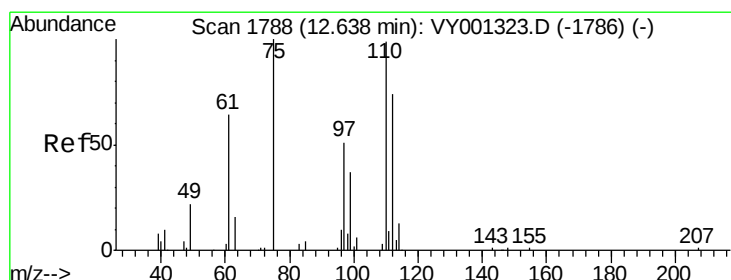
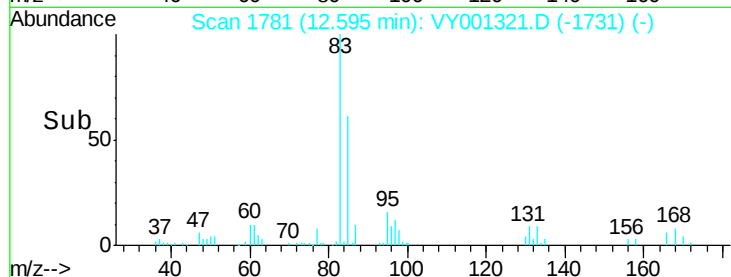
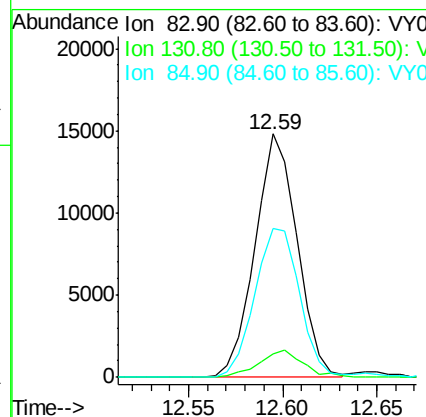
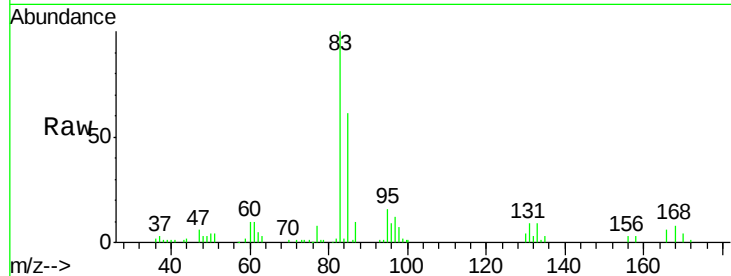
#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.781 ug/l
 RT: 12.59 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.6	4.9	14.6	
85	65.0	31.4	94.3	

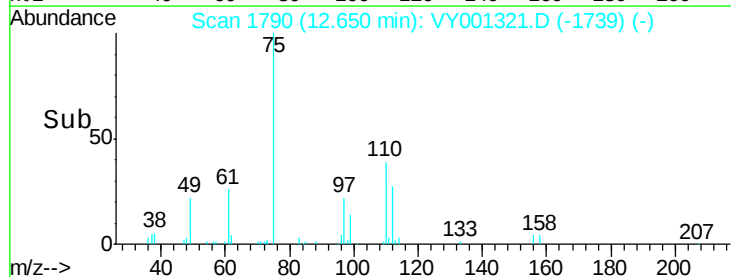
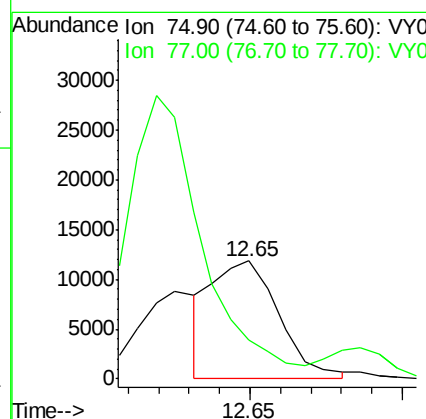
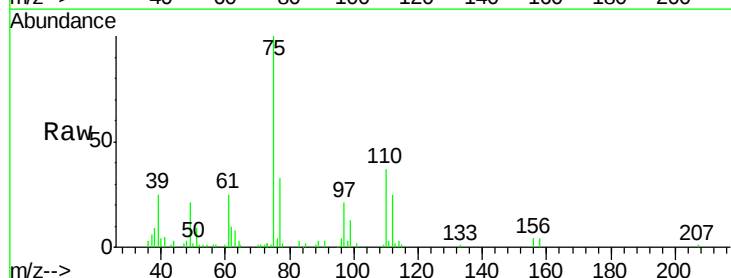
Manual Integrations
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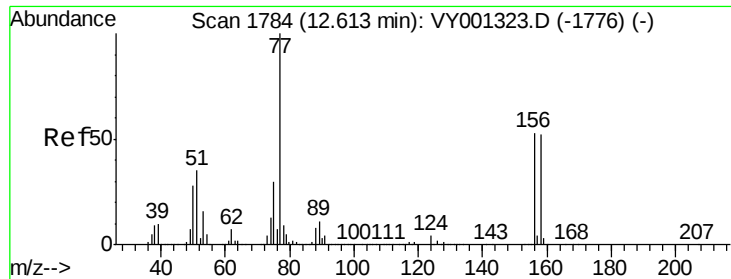
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#76
 1,2,3-Trichloropropane
 Concen: 12.349 ug/l m
 RT: 12.65 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

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





#77

Bromobenzene

Concen: 11.053 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001321.D

Acq: 21 Jan 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 24597

Ion Ratio Lower Upper

156 100

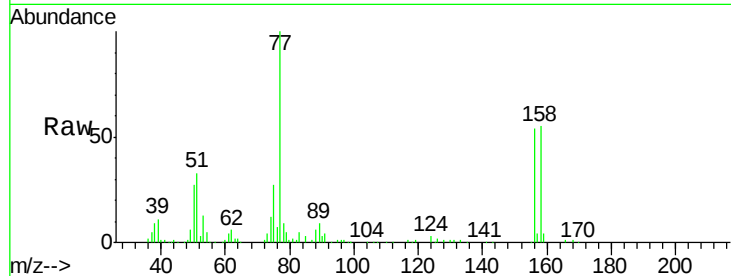
77 203.2 104.7 313.9

158 97.6 48.6 145.8

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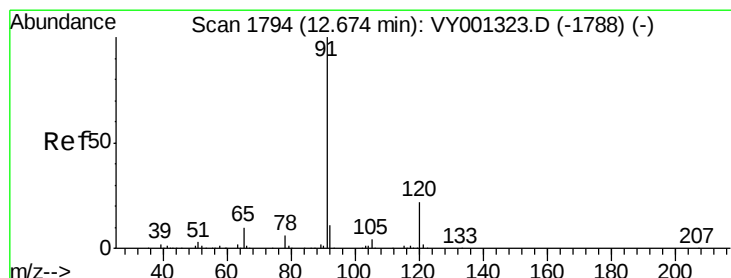
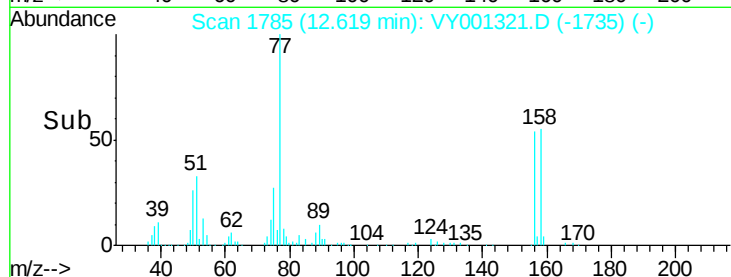
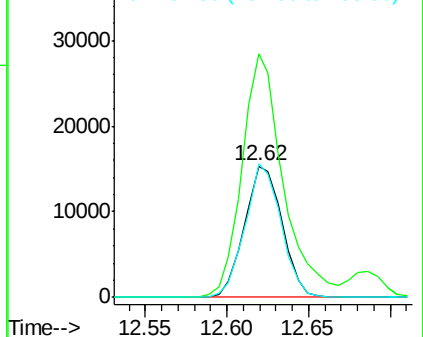
1/22/2020 10:49:22 AM



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: 10.895 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001321.D

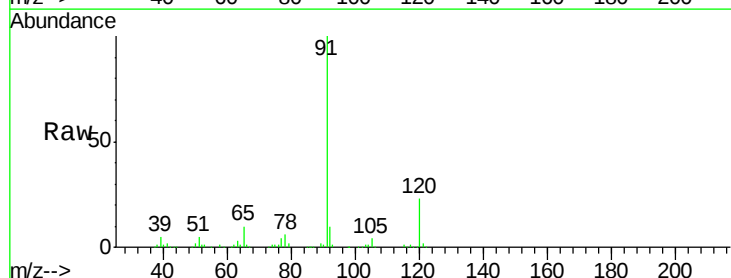
Acq: 21 Jan 2020 15:03

Tgt Ion: 91 Resp: 132032

Ion Ratio Lower Upper

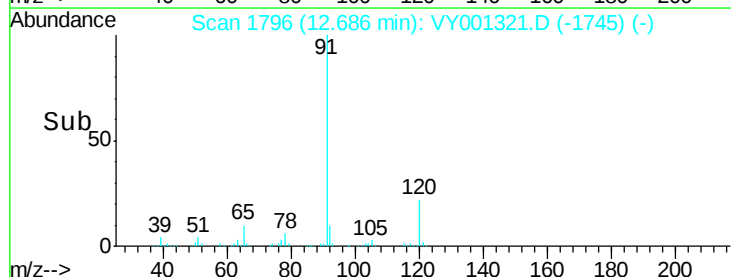
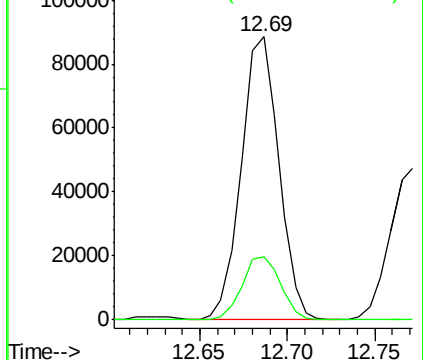
91 100

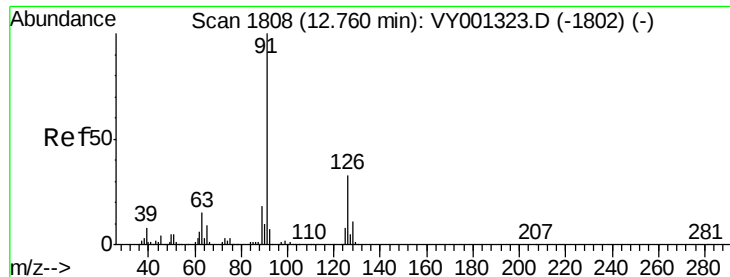
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





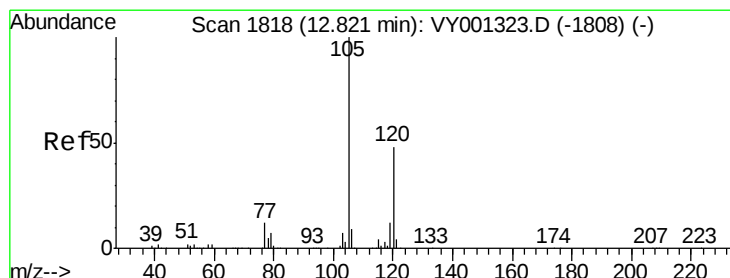
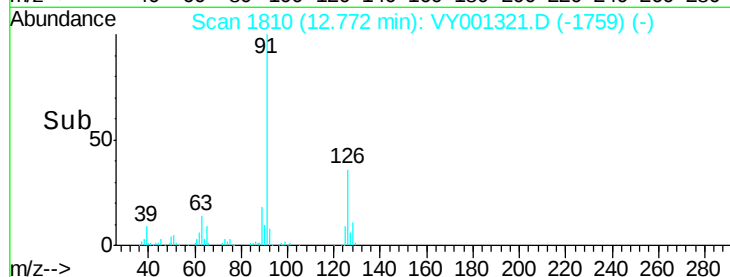
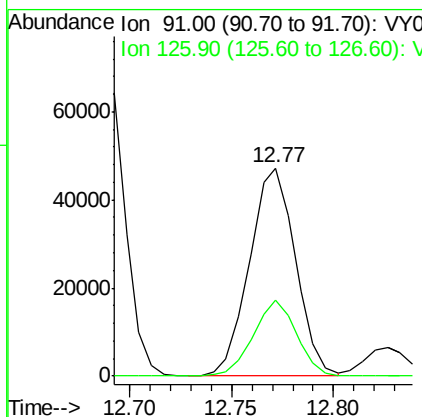
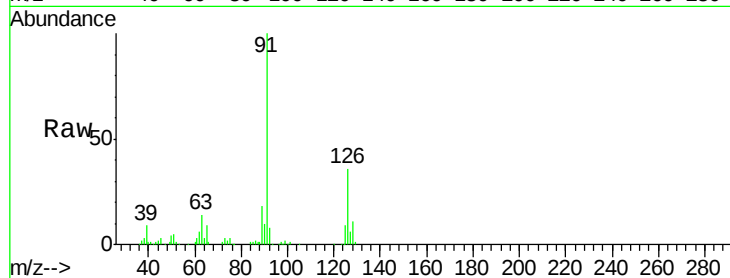
#79
 2-Chlorotoluene
 Concen: 10.677 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 74162
 Ion Ratio Lower Upper
 91 100
 126 34.4 16.6 49.7

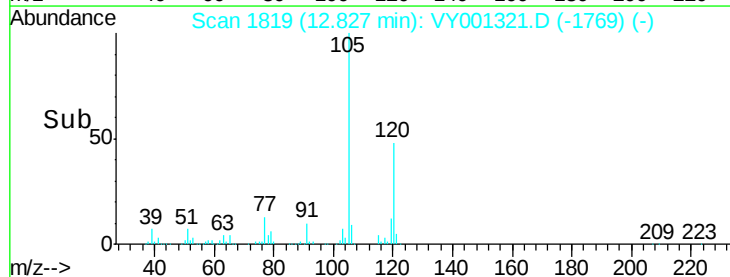
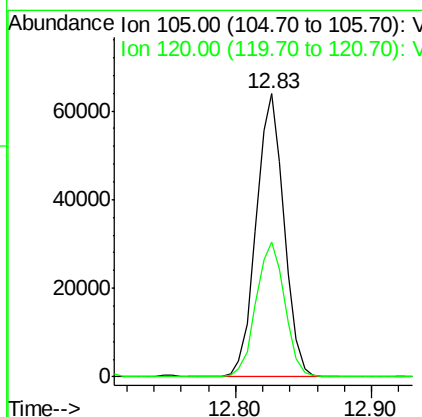
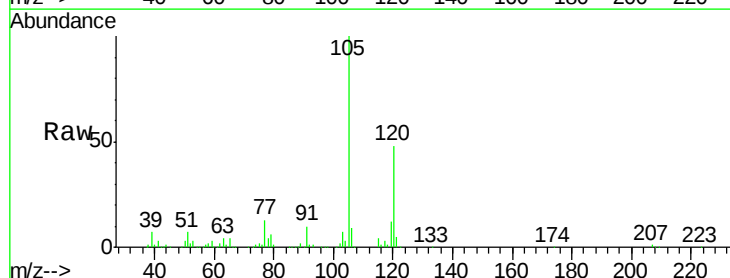
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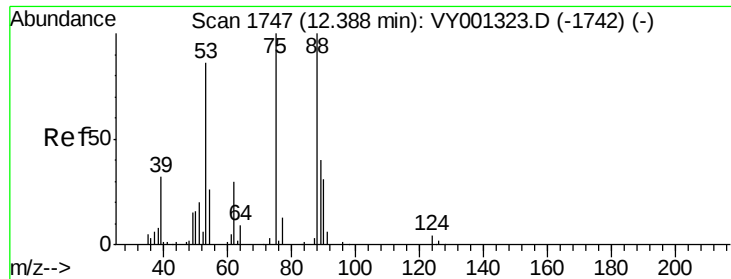
MMDadoda
 1/22/2020 10:49:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 10.977 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion: 105 Resp: 92032
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9





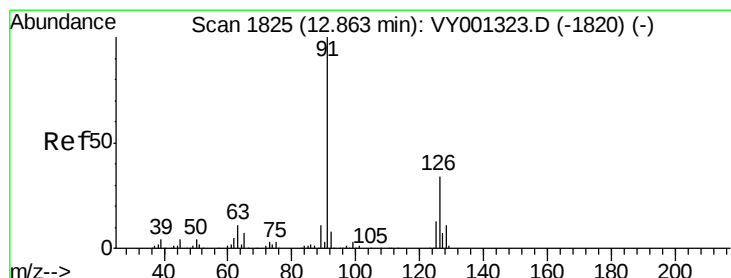
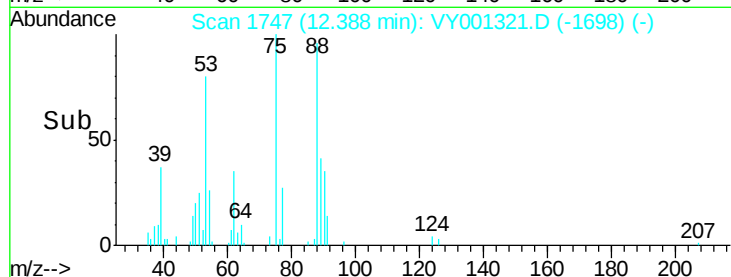
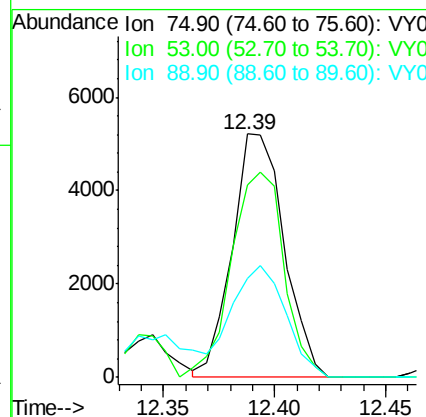
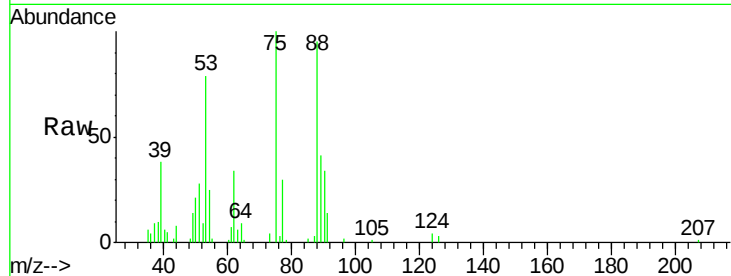
#81
trans-1,4-Dichloro-2-butene
Concen: 10.055 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.5	69.9	104.9
89	47.6	36.6	54.8

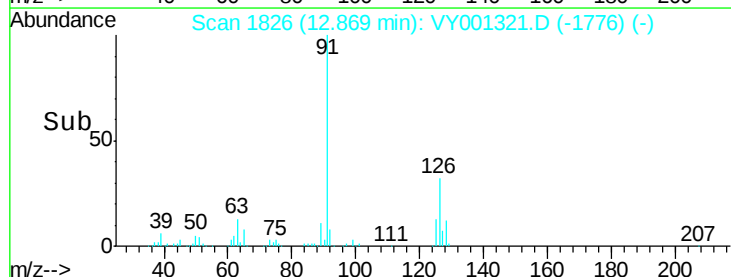
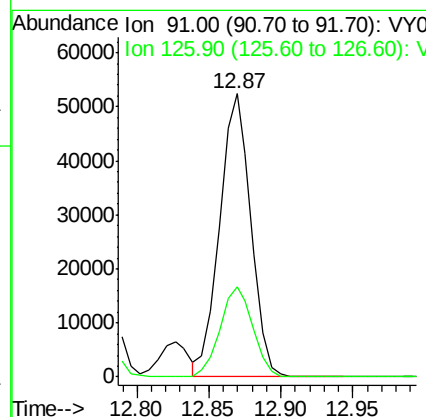
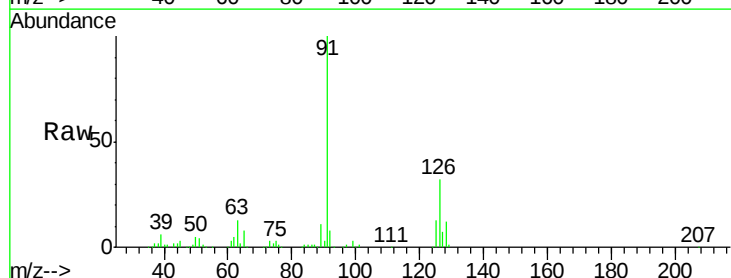
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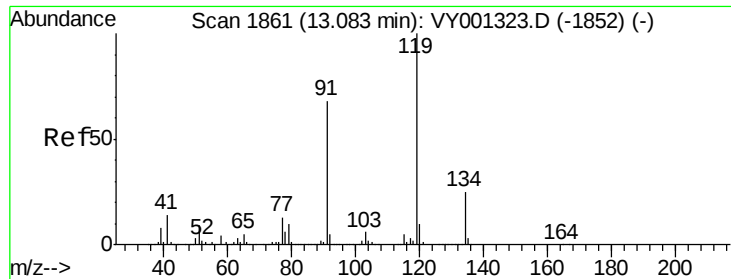
MMDadoda
1/22/2020 10:49:22 AM



#82
4-Chlorotoluene
Concen: 10.704 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4





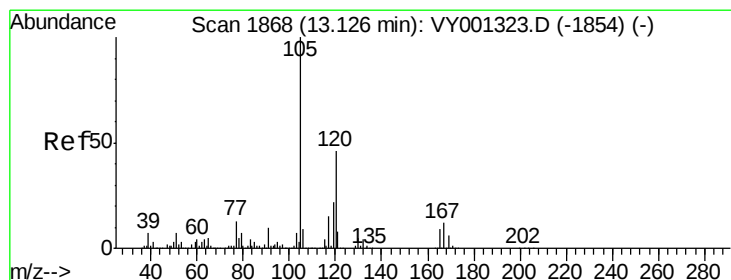
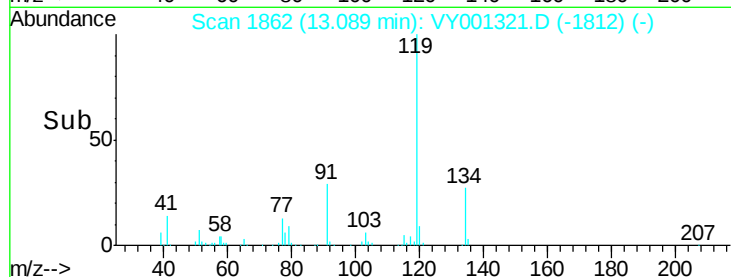
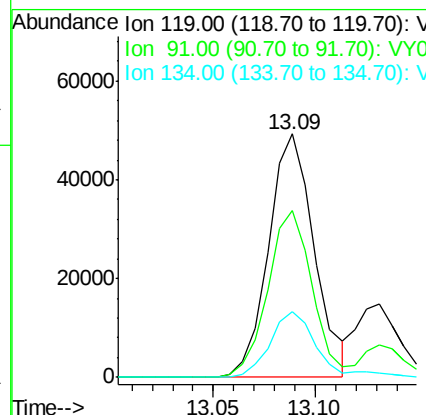
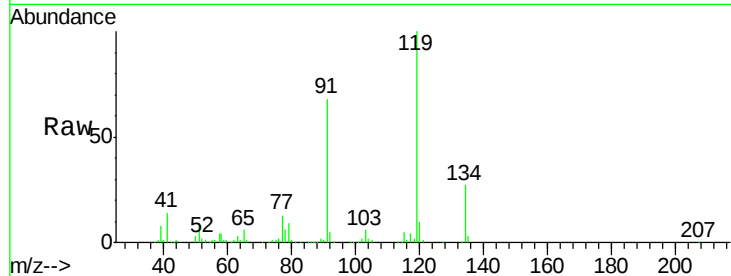
#83
tert-Butylbenzene
Concen: 10.868 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.0	99.0
134	27.9	13.3	39.9

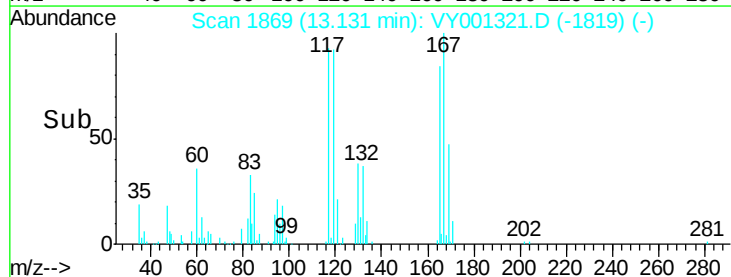
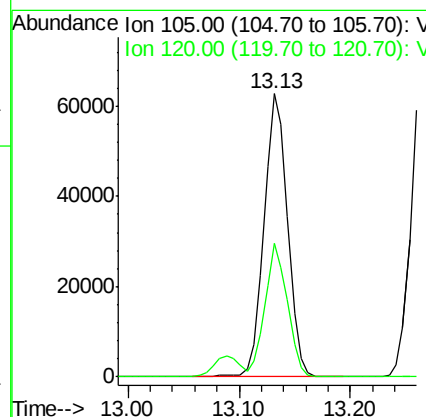
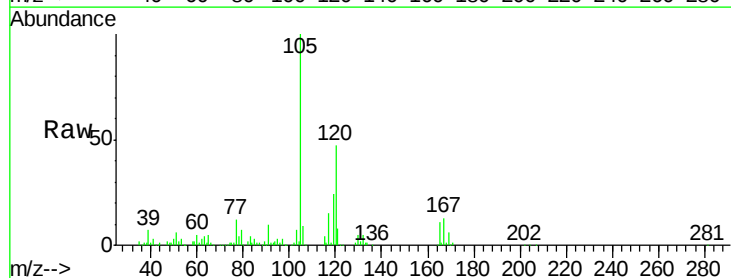
Manual Integrations
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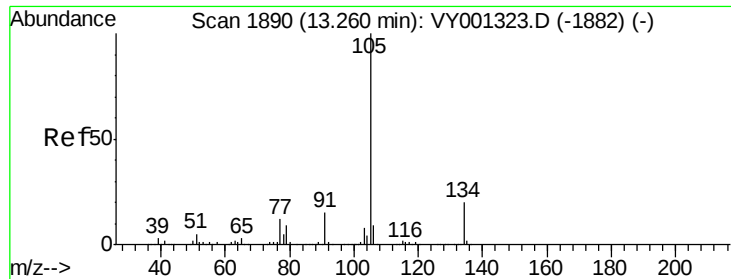
MMDadoda
1/22/2020 10:49:22 AM



#84
1,2,4-Trimethylbenzene
Concen: 11.136 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





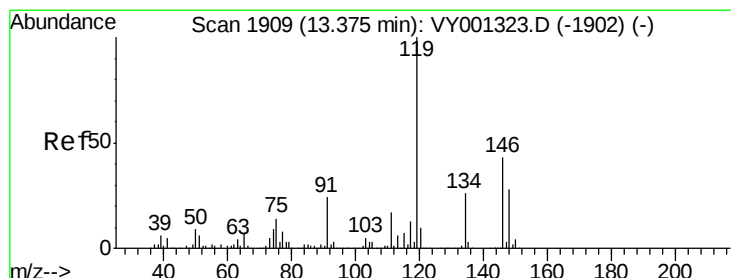
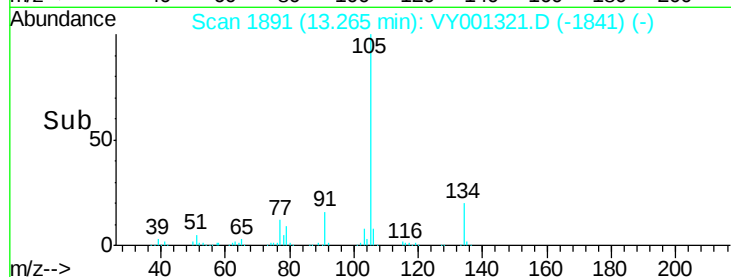
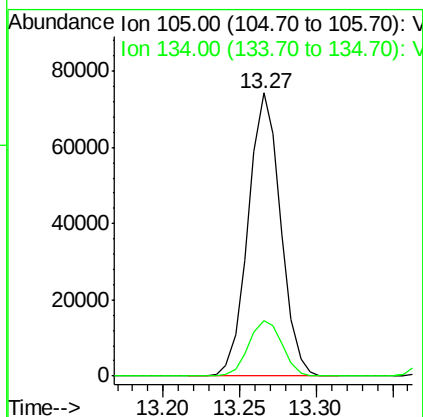
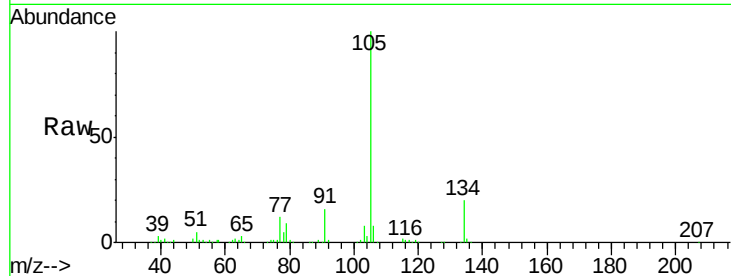
#85
 sec-Butylbenzene
 Concen: 10.762 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	109408		
134	20.3	9.8	29.4	

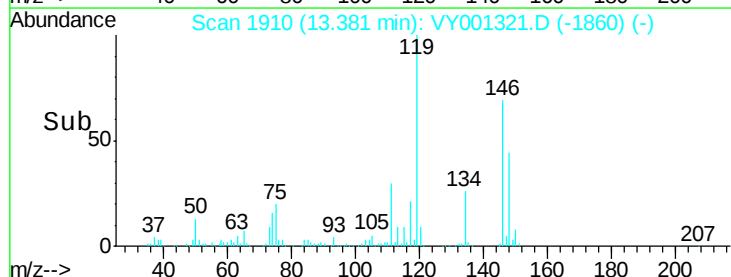
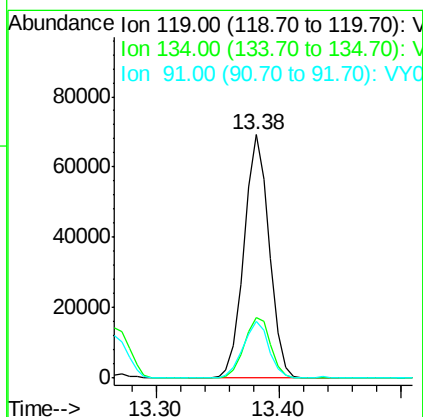
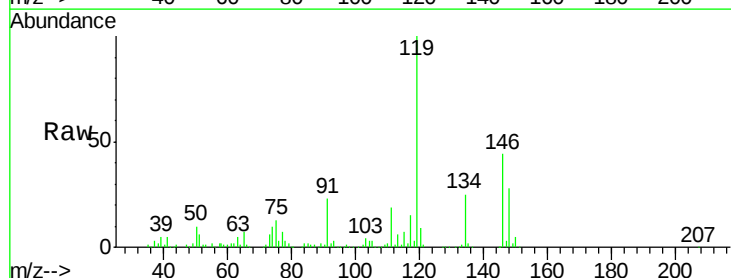
Manual Integrations
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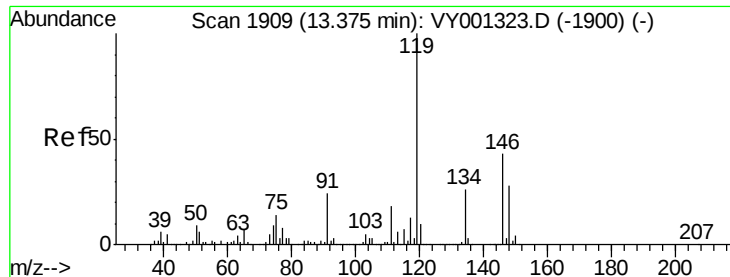
MMDadoda
 1/22/2020 10:49:22 AM



#86
 p-Isopropyltoluene
 Concen: 11.190 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	98641		
134	26.3	13.5	40.4	
91	23.9	12.2	36.6	





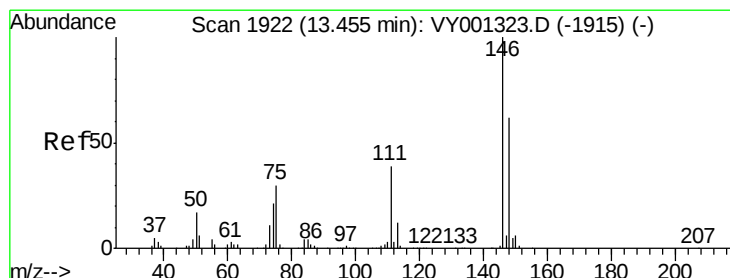
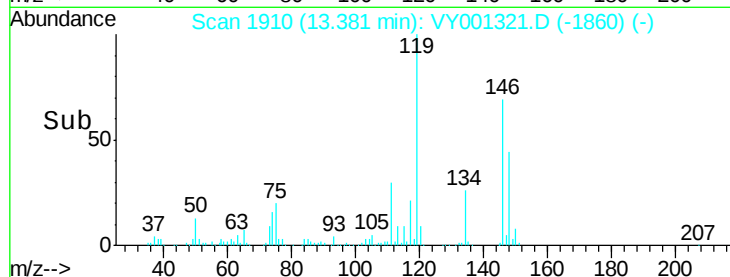
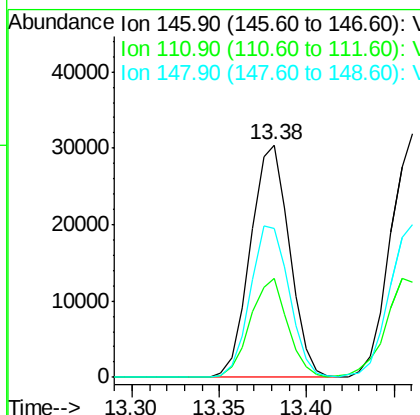
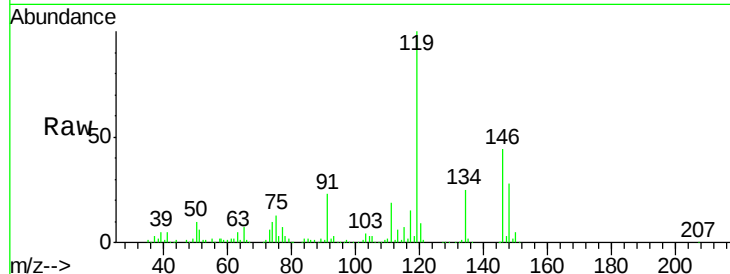
#87
 1,3-Dichlorobenzene
 Concen: 11.175 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.8
148	65.0	31.6	95.0

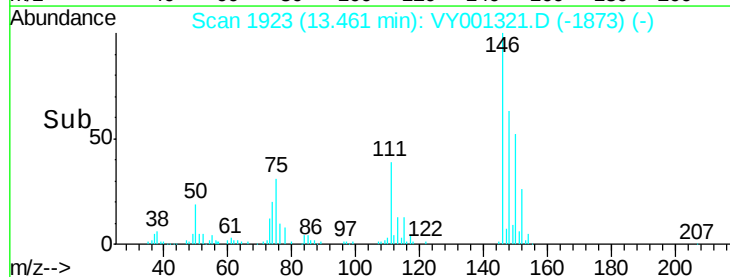
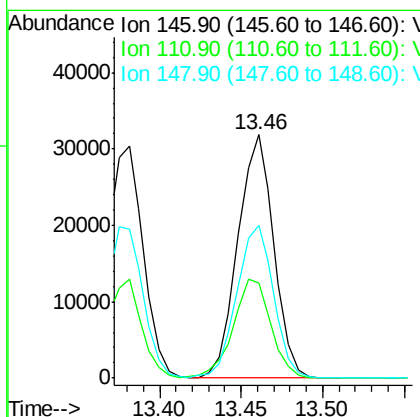
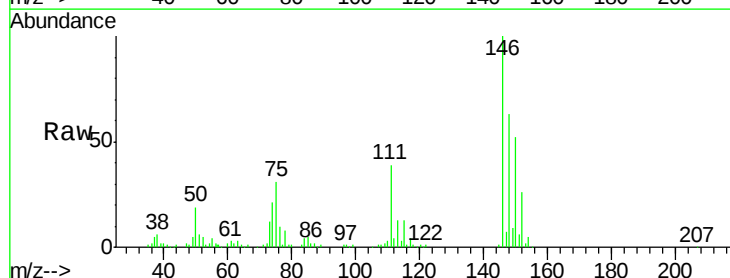
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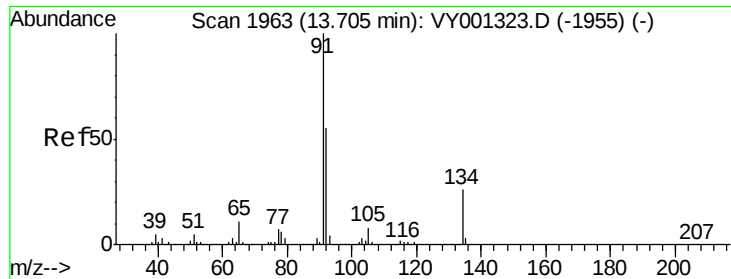
MMDadoda
 1/22/2020 10:49:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 11.252 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.5	61.5
148	64.4	31.6	95.0





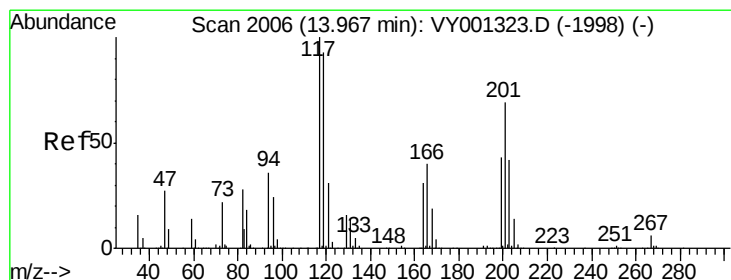
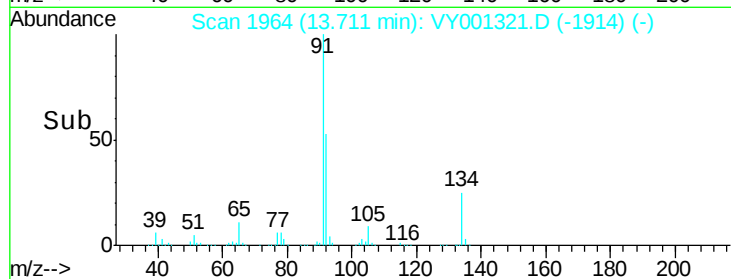
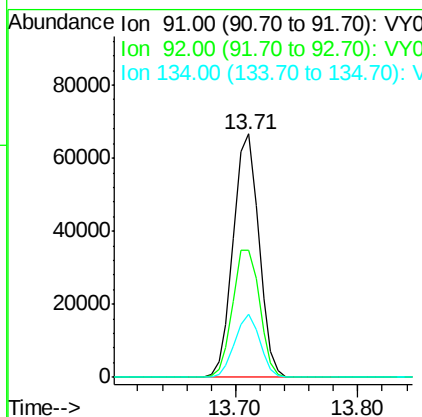
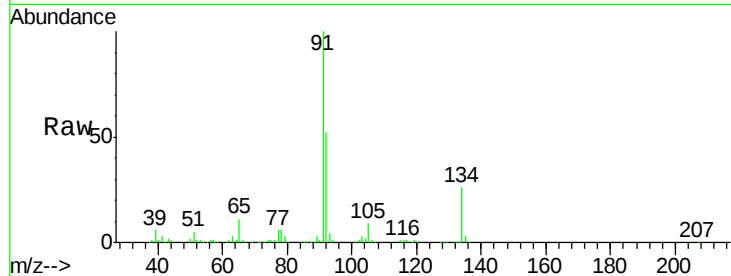
#89
n-Butylbenzene
Concen: 10.908 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	25.4	12.9	38.6

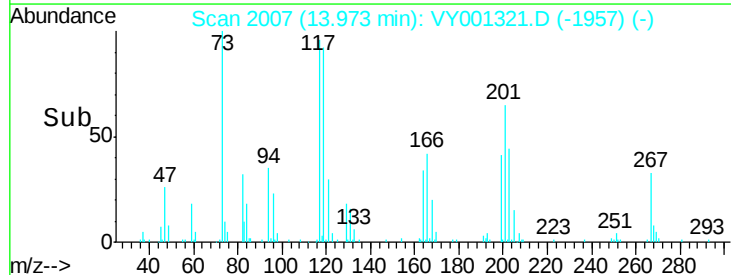
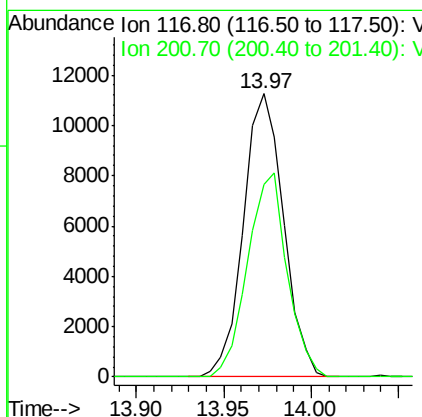
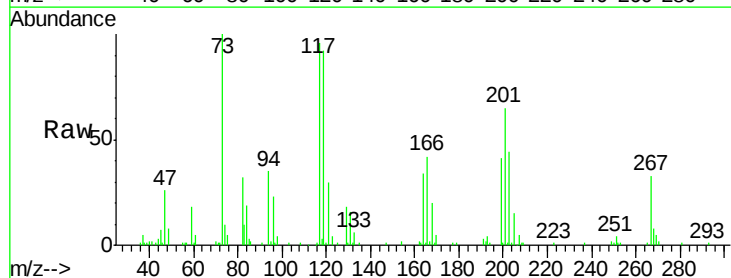
Manual Integrations
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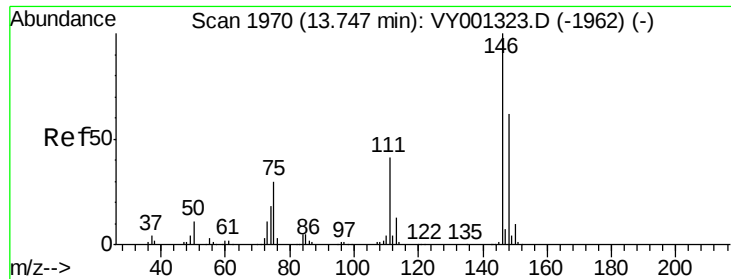
MMDadoda
1/22/2020 10:49:22 AM



#90
Hexachloroethane
Concen: 10.506 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	34.6	103.8





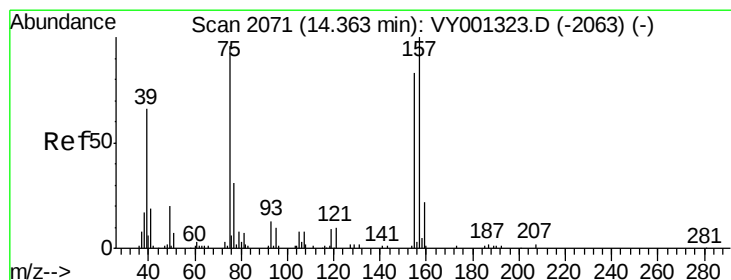
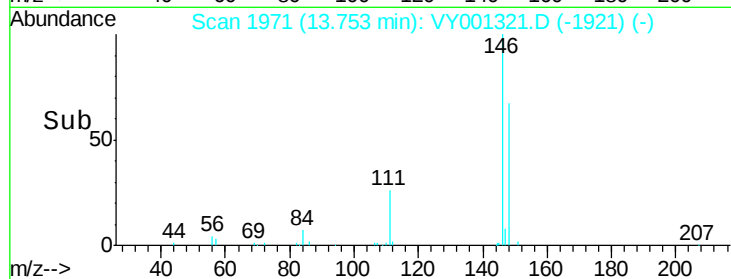
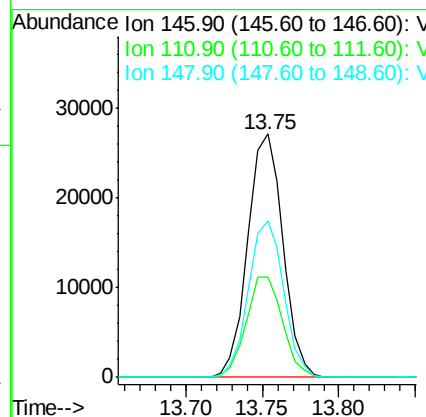
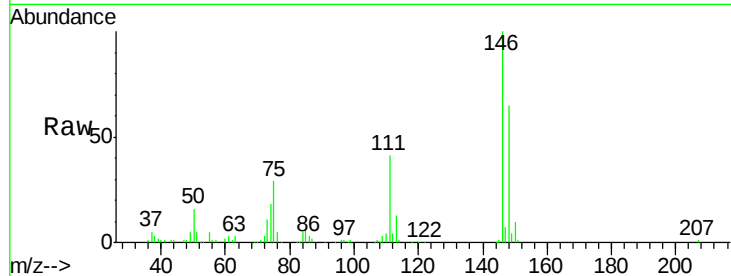
#91
 1,2-Dichlorobenzene
 Concen: 11.111 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.5	31.5	94.5

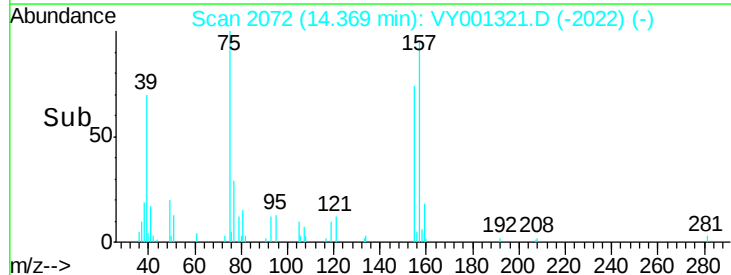
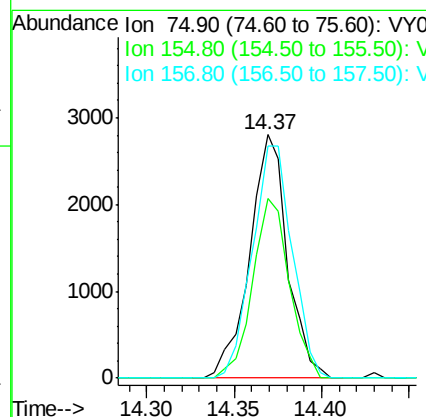
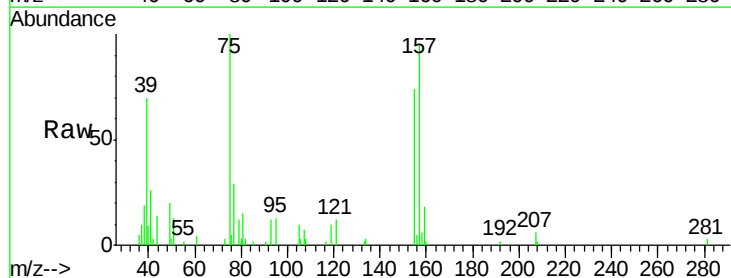
Manual Integrations
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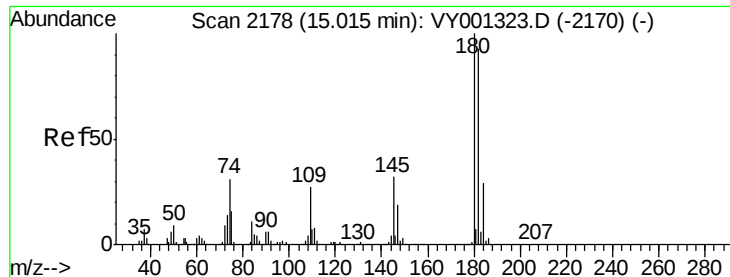
MMDadoda
 1/22/2020 10:49:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.076 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	43.0	129.2
157	101.4	53.3	160.0





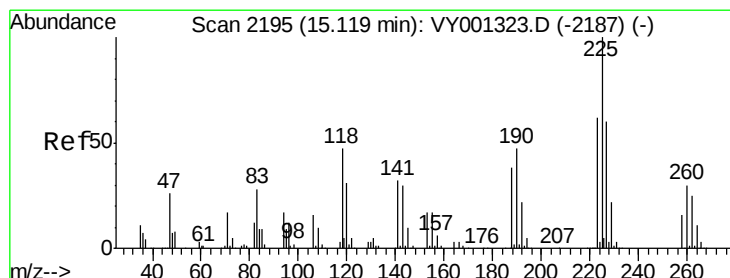
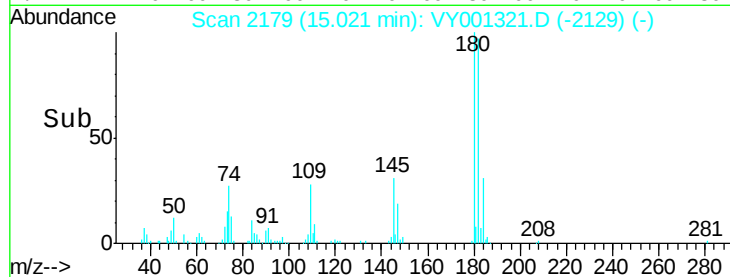
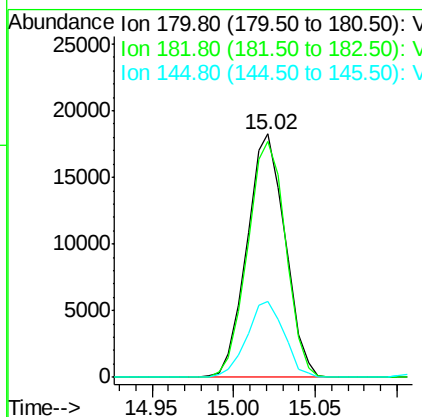
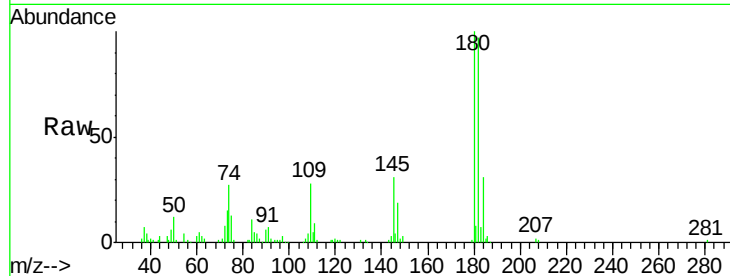
#93
 1,2,4-Trichlorobenzene
 Concen: 11.546 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29750		
182	96.7	47.6	142.8	
145	30.5	16.3	48.9	

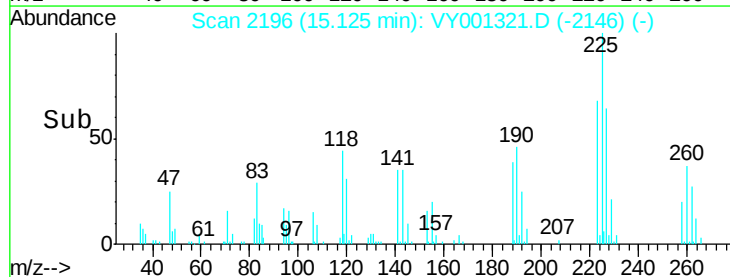
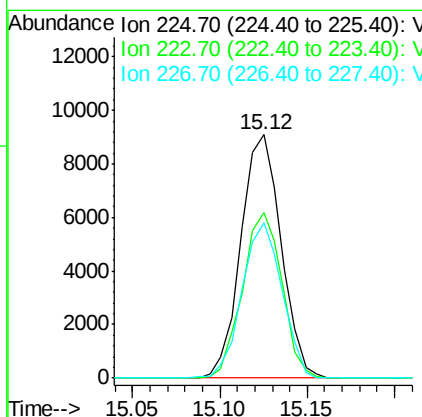
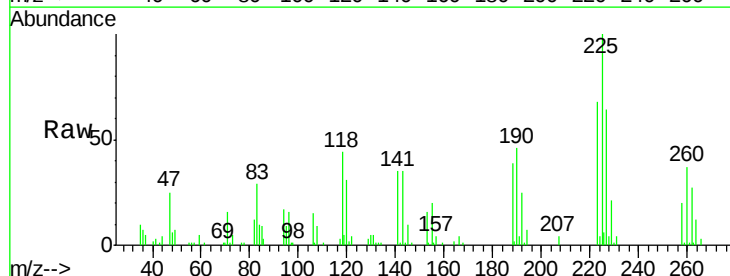
Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:22 AM



#94
 Hexachlorobutadiene
 Concen: 11.305 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001321.D
 Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14604		
223	66.7	31.2	93.6	
227	63.4	31.0	93.0	





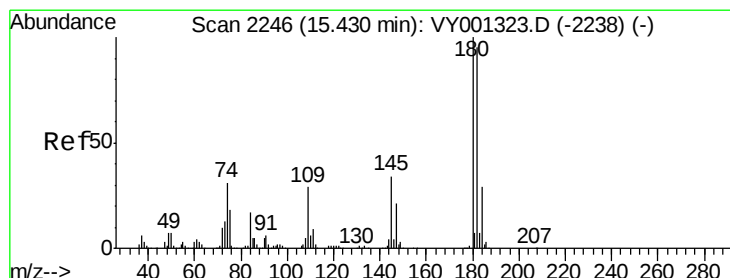
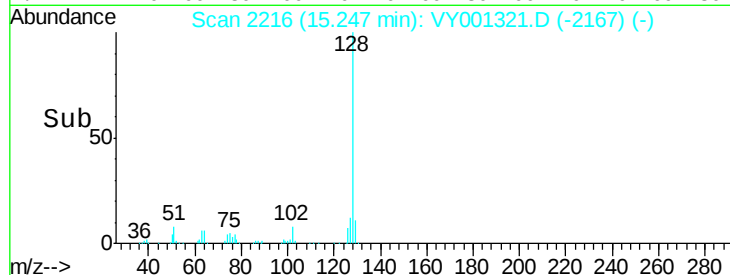
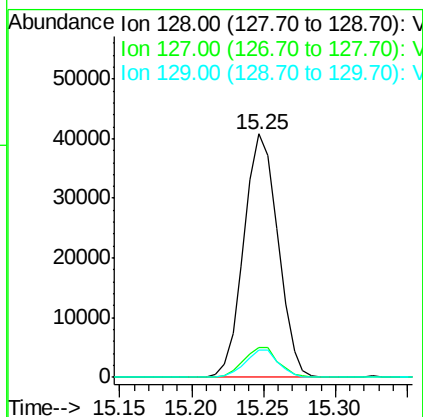
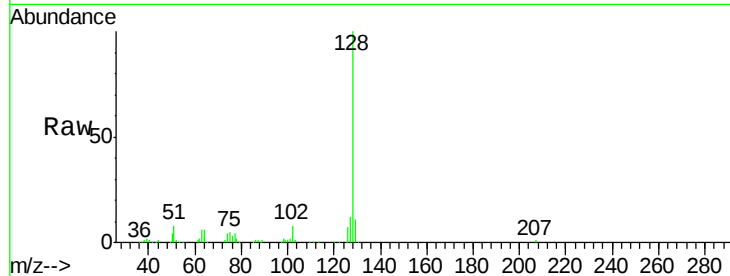
#95
Naphthalene
Concen: 11.156 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/22/2020 10:49:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 11.353 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001321.D
Acq: 21 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.8
145	33.8	16.8	50.3

