

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002185.D
 Acq On : 02 Apr 2020 12:40
 Operator : SY/MD
 Sample : VY0402SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:28:38 AM

Quant Time: Apr 03 03:45:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	151256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	272997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	81029	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.74	113	76158	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.19	98	315293	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.49	95	108704	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30409	27.893	ug/l	98
3) Chloromethane	2.13	50	38756	21.925	ug/l	98
4) Vinyl Chloride	2.26	62	40543	22.552	ug/l	97
5) Bromomethane	2.66	94	26675	22.737	ug/l	97
6) Chloroethane	2.80	64	25494	22.085	ug/l	95
7) Trichlorofluoromethane	3.15	101	53547	21.736	ug/l	99
8) Diethyl Ether	3.55	74	21771	20.865	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35057	21.689	ug/l	96
10) Methyl Iodide	4.12	142	38403	19.981	ug/l	99
11) Tert butyl alcohol	4.97	59	28878	146.554	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	34313	20.907	ug/l	98
13) Acrolein	3.76	56	19966	81.071	ug/l	98
14) Allyl chloride	4.50	41	60857	20.255	ug/l	99
15) Acrylonitrile	5.20	53	58764	107.448	ug/l	98
16) Acetone	3.97	43	47424	100.951	ug/l	97
17) Carbon Disulfide	4.22	76	111514	20.473	ug/l	98
18) Methyl Acetate	4.50	43	25340	20.773	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	94387	20.615	ug/l	97
20) Methylene Chloride	4.74	84	46589	20.981	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	39193	20.973	ug/l	98
22) Diisopropyl ether	6.14	45	124678	20.277	ug/l	99
23) Vinyl Acetate	6.09	43	411634	102.091	ug/l	100
24) 1,1-Dichloroethane	6.05	63	67927	20.777	ug/l	96
25) 2-Butanone	7.01	43	75208	104.262	ug/l	94
26) 2,2-Dichloropropane	7.01	77	56501	20.984	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	42953	20.893	ug/l	100
28) Bromochloromethane	7.36	49	29818	19.978	ug/l	100
29) Tetrahydrofuran	7.36	42	49180	103.989	ug/l	98
30) Chloroform	7.53	83	63399	20.459	ug/l	96
31) Cyclohexane	7.80	56	71437	20.506	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	53670	20.744	ug/l	100
36) 1,1-Dichloropropene	7.94	75	53422	20.689	ug/l	98
37) Ethyl Acetate	7.10	43	33741	21.623	ug/l	98
38) Carbon Tetrachloride	7.92	117	45321	20.687	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	71311	21.054	ug/l	98
40) Benzene	8.18	78	160955	21.043	ug/l	98
41) Methacrylonitrile	7.34	41	13818m	17.507	ug/l	
42) 1,2-Dichloroethane	8.25	62	41869	20.618	ug/l	99
43) Isopropyl Acetate	8.29	43	60144	20.767	ug/l	99
44) Trichloroethene	8.95	130	39816	21.595	ug/l	88
45) 1,2-Dichloropropane	9.23	63	40588	20.841	ug/l	96
46) Dibromomethane	9.31	93	20624	20.620	ug/l	98
47) Bromodichloromethane	9.50	83	48355	20.768	ug/l	100
48) Methyl methacrylate	9.30	41	26468	20.393	ug/l	98
49) 1,4-Dioxane	9.31	88	5816	423.759	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	162172	108.745	ug/l	100
52) Toluene	10.25	92	97360	21.045	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52669	20.380	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	62699	20.607	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	31390	21.205	ug/l	98
56) Ethyl methacrylate	10.52	69	43725	20.224	ug/l	98
57) 1,3-Dichloropropane	10.80	76	54420	20.808	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	117275	105.561	ug/l	100
59) 2-Hexanone	10.84	43	109111	103.865	ug/l	99
60) Dibromochloromethane	10.99	129	32791	21.169	ug/l	99
61) 1,2-Dibromoethane	11.10	107	29055	20.970	ug/l	97
64) Tetrachloroethene	10.72	164	33991	22.177	ug/l	98
65) Chlorobenzene	11.52	112	100113	20.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	32278	19.952	ug/l	97
67) Ethyl Benzene	11.60	91	186481	20.763	ug/l	98
68) m/p-Xylenes	11.71	106	137933	41.538	ug/l	99
69) o-Xylene	12.03	106	64849	20.587	ug/l	100
70) Styrene	12.05	104	110899	20.317	ug/l	98
71) Bromoform	12.21	173	18022	20.339	ug/l #	98
73) Isopropylbenzene	12.33	105	176132	20.372	ug/l	100
74) N-amyl acetate	12.15	43	54363	19.936	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38027	20.439	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	27119m	20.801	ug/l	
77) Bromobenzene	12.61	156	36966	20.029	ug/l	97
78) n-propylbenzene	12.68	91	219220	20.432	ug/l	100
79) 2-Chlorotoluene	12.77	91	120014	20.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	146993	20.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13566	20.159	ug/l	97
82) 4-Chlorotoluene	12.86	91	126997	20.458	ug/l	99
83) tert-Butylbenzene	13.08	119	123589	20.757	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	147761	20.762	ug/l	98
85) sec-Butylbenzene	13.26	105	182006	20.638	ug/l	100
86) p-Isopropyltoluene	13.38	119	158155	20.883	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	74986	20.768	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	73914	20.343	ug/l	97
89) n-Butylbenzene	13.70	91	163625	20.736	ug/l	100
90) Hexachloroethane	13.97	117	29552	20.708	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	68693	20.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5920	19.864	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44944	20.912	ug/l	99
94) Hexachlorobutadiene	15.12	225	21970	20.710	ug/l	97
95) Naphthalene	15.25	128	103877	20.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	38979	20.000	ug/l	97

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

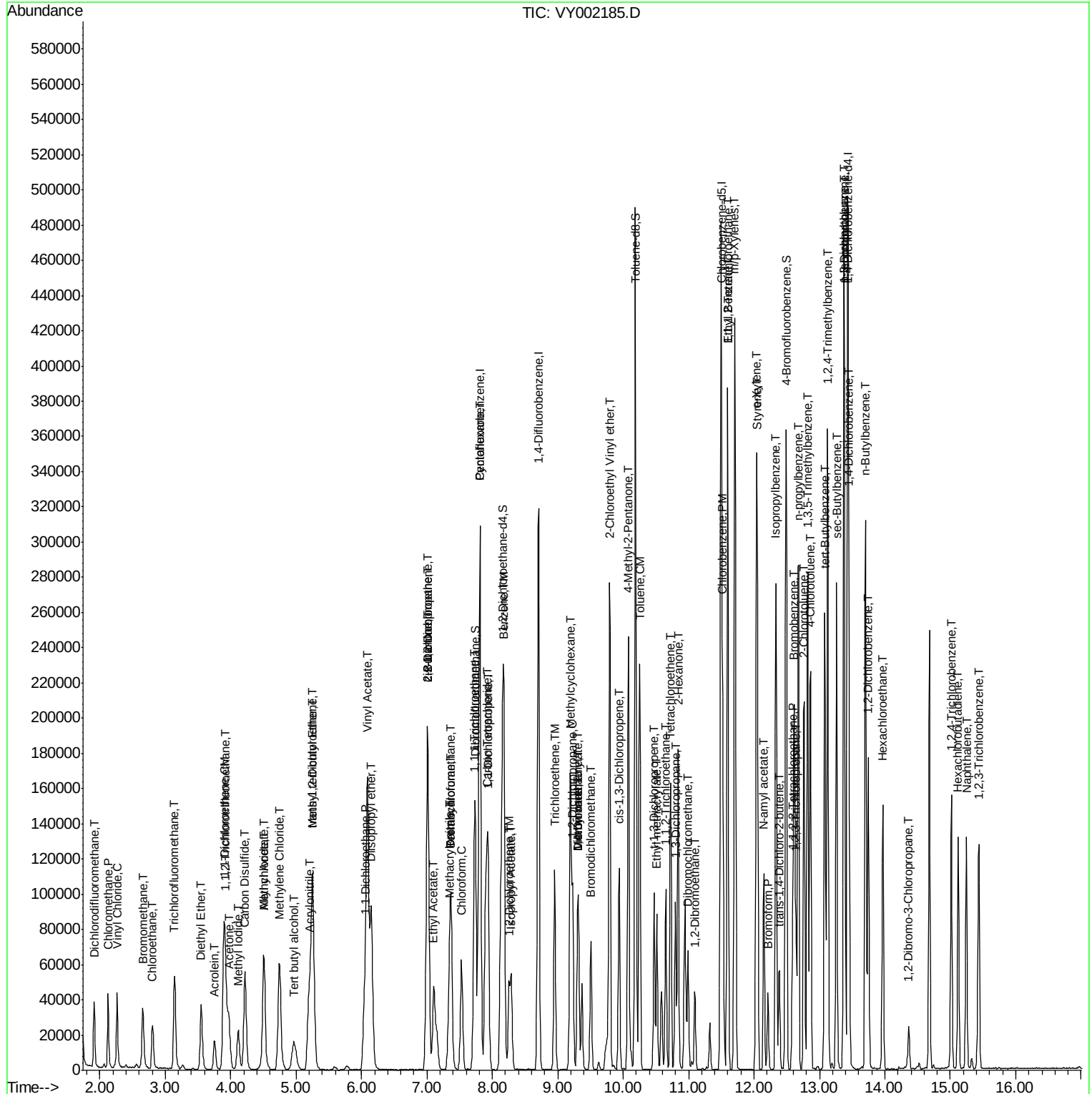
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Data File : VY002185.D
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Operator : SY/MD
Sample : VY0402SBSD01
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ALS Vial : 5 Sample Multiplier: 1

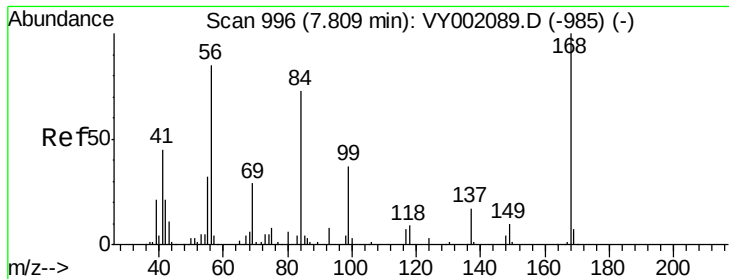
Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion:168 Resp: 151256

Ion Ratio Lower Upper

168 100

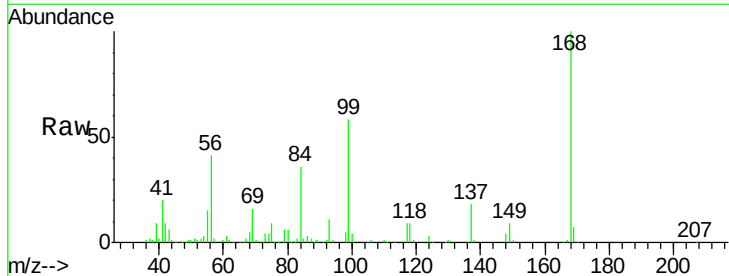
99 58.5 47.6 71.4

Manual Integrations

APPROVED

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4/6/2020 11:28:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.81

60000

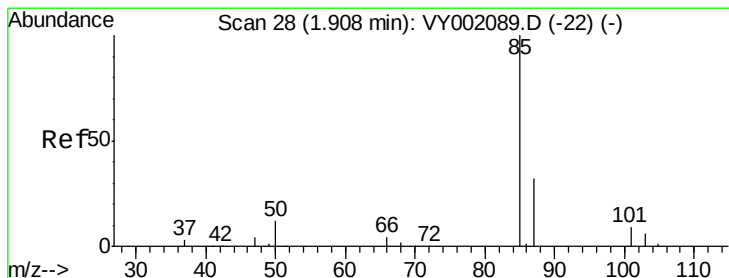
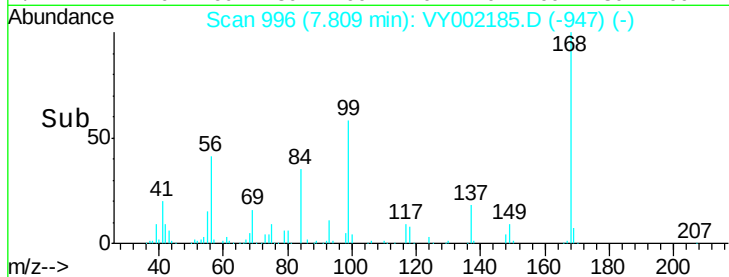
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 27.893 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002185.D

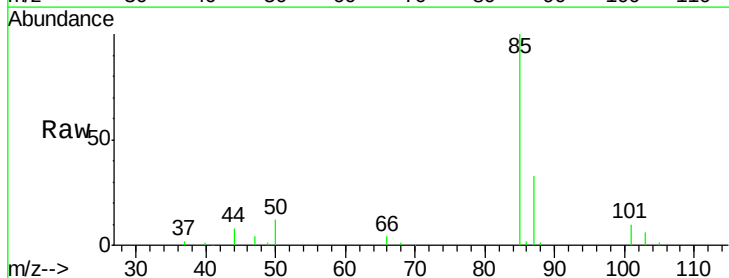
Acq: 02 Apr 2020 12:40

Tgt Ion: 85 Resp: 30409

Ion Ratio Lower Upper

85 100

87 33.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

25000

20000

15000

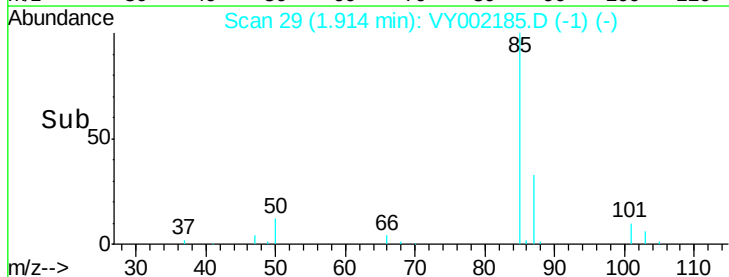
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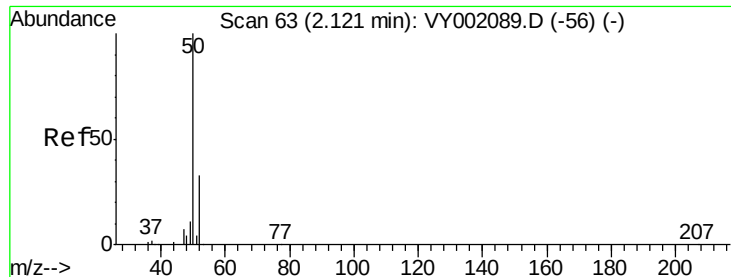
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.925 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 50 Resp: 38756

Ion Ratio Lower Upper

50 100

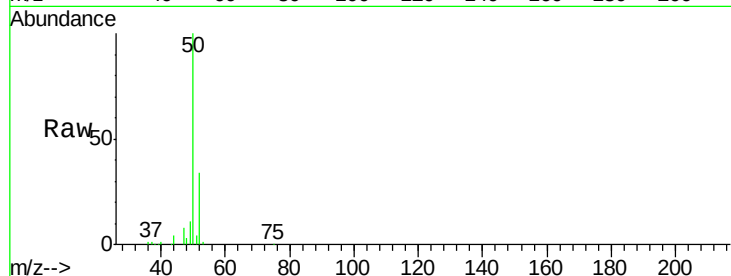
52 33.5 26.1 39.1

Manual Integrations

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4/6/2020 11:28:38 AM



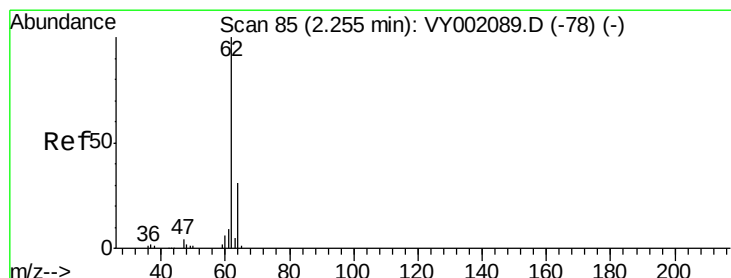
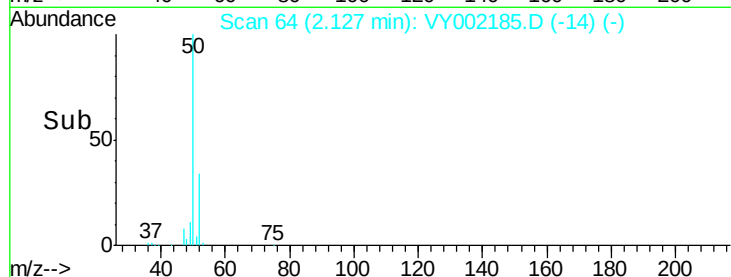
Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

2.05 2.10 2.15 2.20 2.25

Time-->



#4

Vinyl Chloride

Concen: 22.552 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002185.D

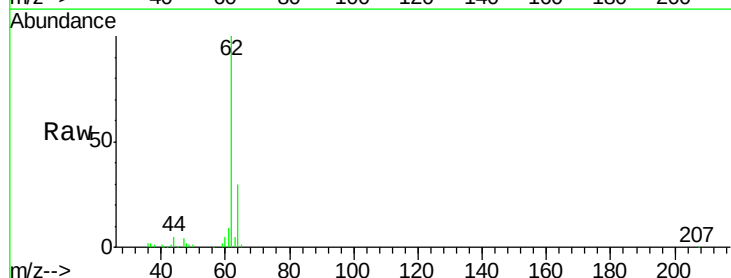
Acq: 02 Apr 2020 12:40

Tgt Ion: 62 Resp: 40543

Ion Ratio Lower Upper

62 100

64 29.7 25.2 37.8



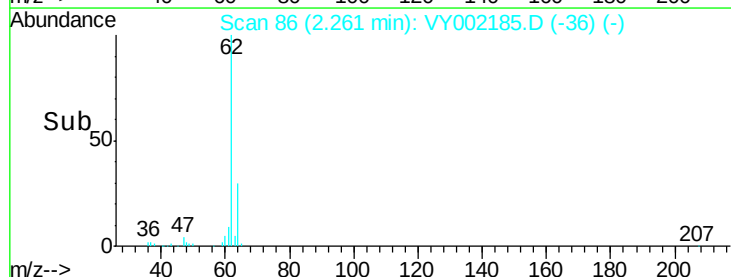
Abundance Ion 61.90 (61.60 to 62.60): VY0

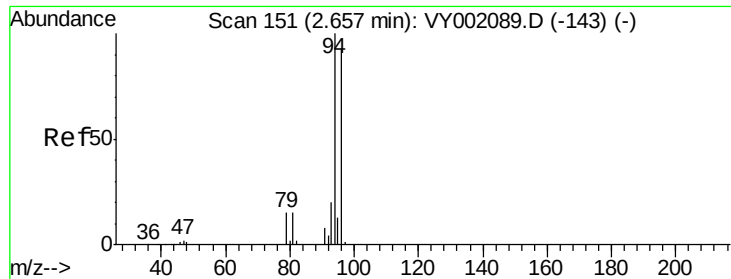
Ion 63.90 (63.60 to 64.60): VY0

2.26

2.20 2.25 2.30 2.35

Time-->





#5

Bromomethane

Concen: 22.737 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion: 94 Resp: 26675

Ion Ratio Lower Upper

94 100

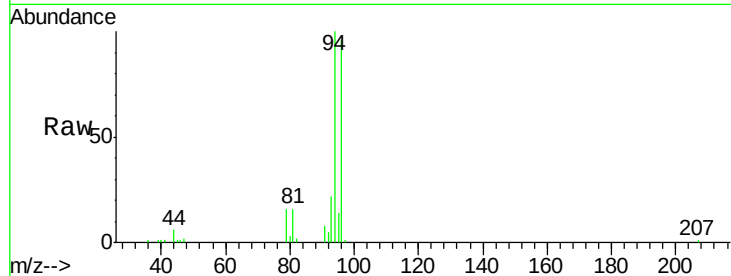
96 95.6 74.1 111.1

Manual Integrations

APPROVED

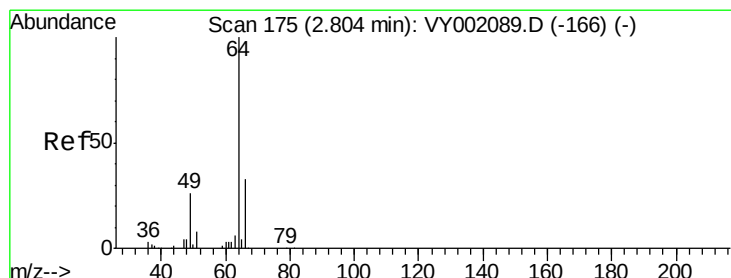
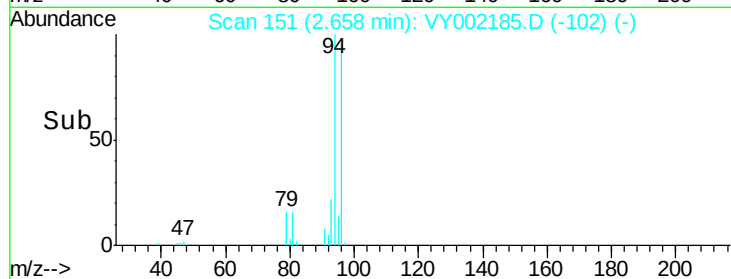
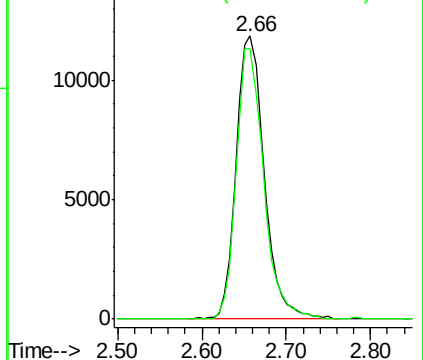
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.085 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002185.D

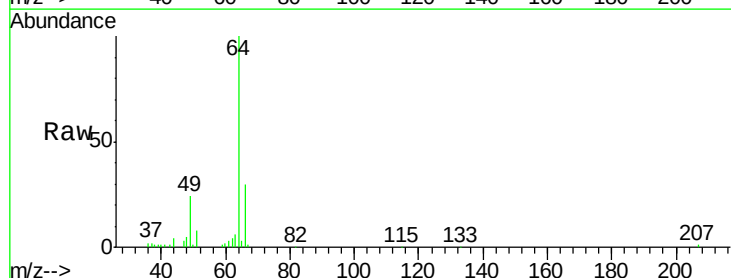
Acq: 02 Apr 2020 12:40

Tgt Ion: 64 Resp: 25494

Ion Ratio Lower Upper

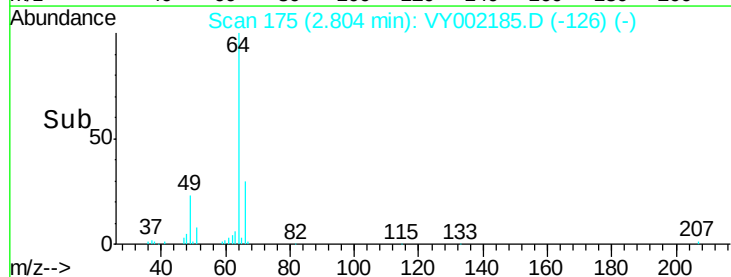
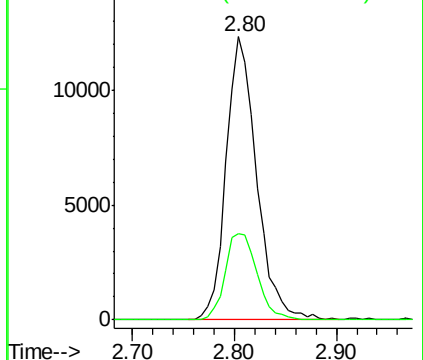
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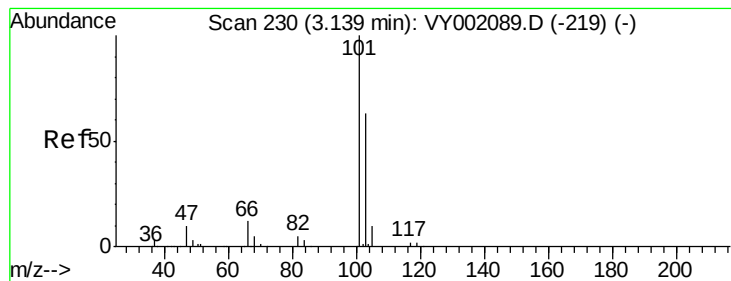
66 30.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

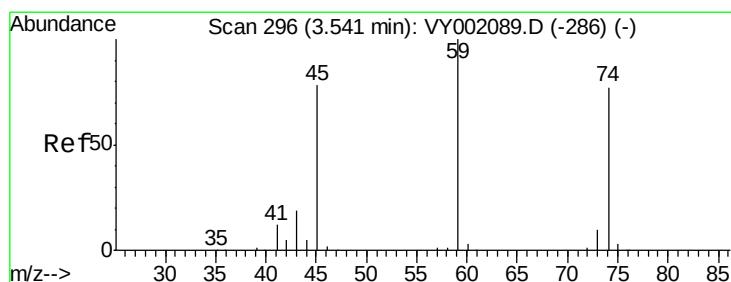
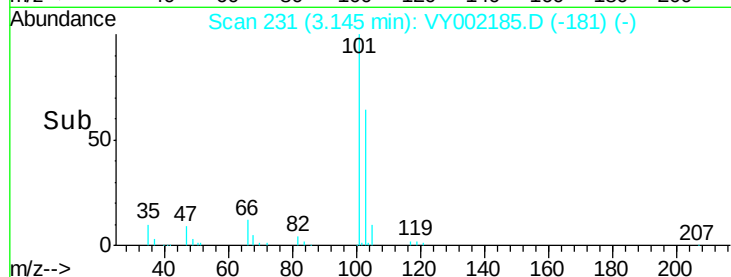
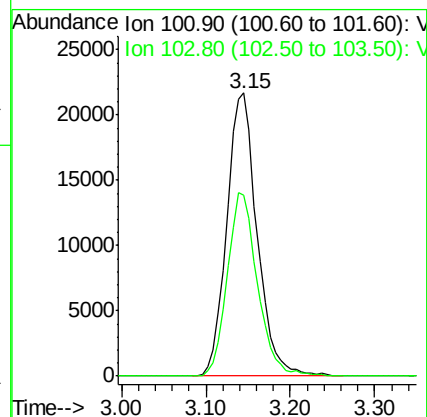
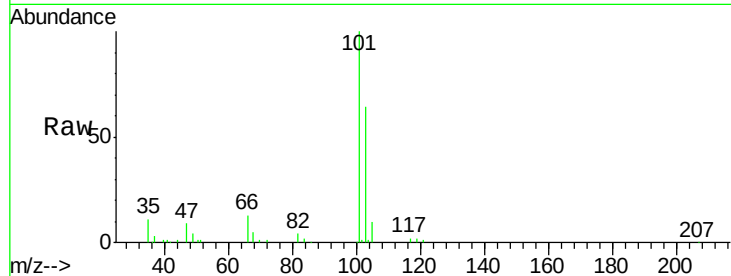
Trichlorofluoromethane
 Concen: 21.736 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VY002185.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.6	76.0

Manual Integrations
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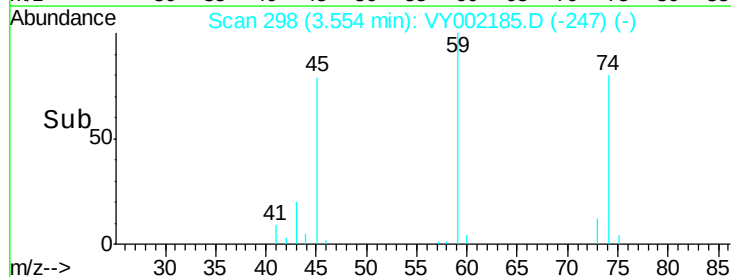
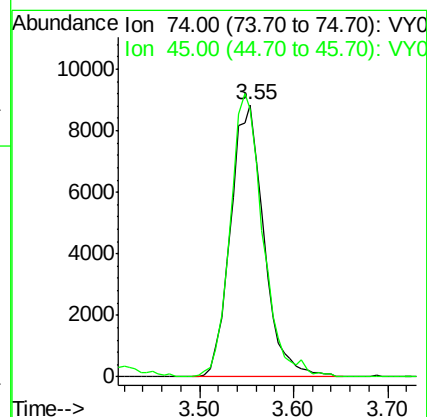
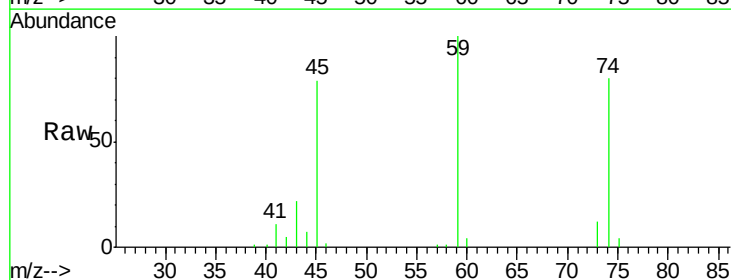
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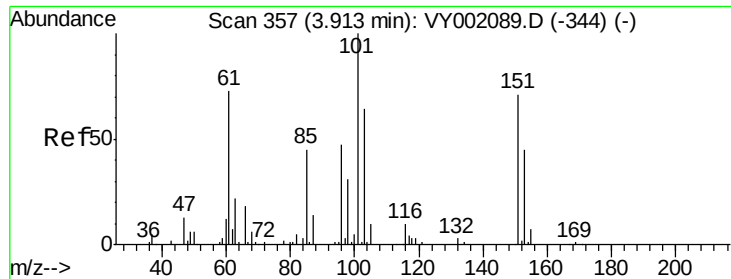


#8

Diethyl Ether
 Concen: 20.865 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.689 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002185.D

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MSVOA_Y

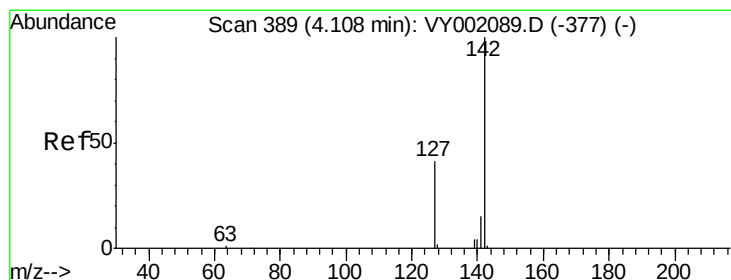
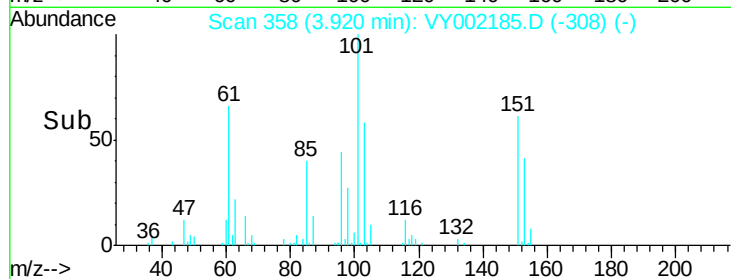
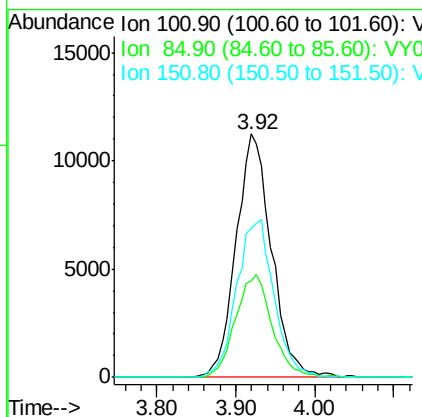
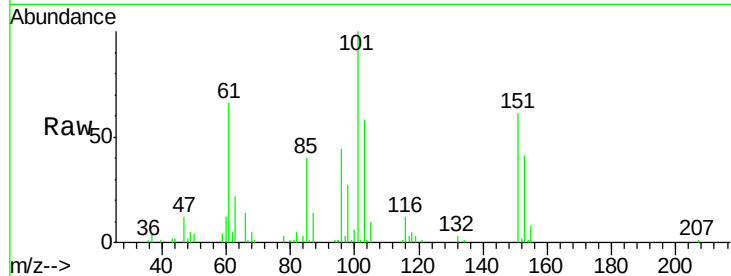
ClientSampleId :

VY0402SBSD01

Tot Ion:	101	Resp:	35057
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.9	53.9
151	68.1	57.5	86.3

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#10

Methyl Iodide

Concen: 19.981 ug/l

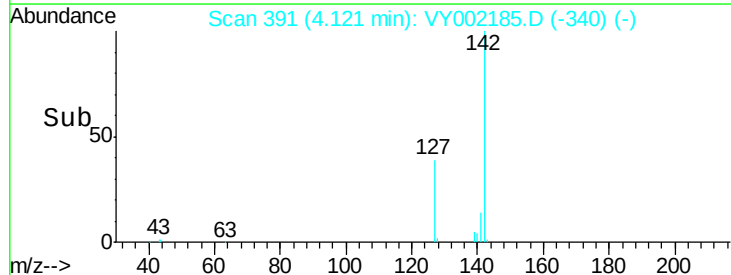
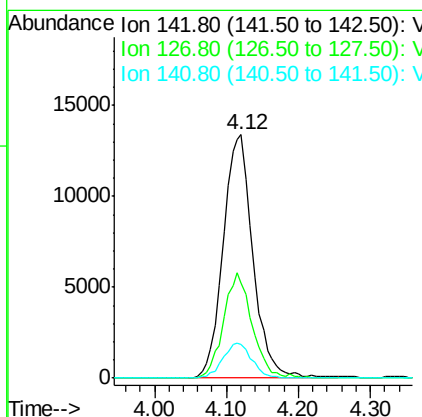
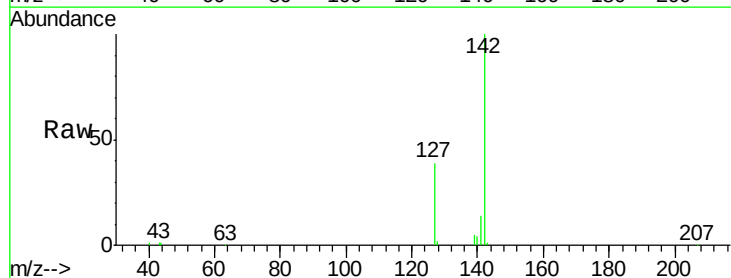
RT: 4.12 min Scan# 391

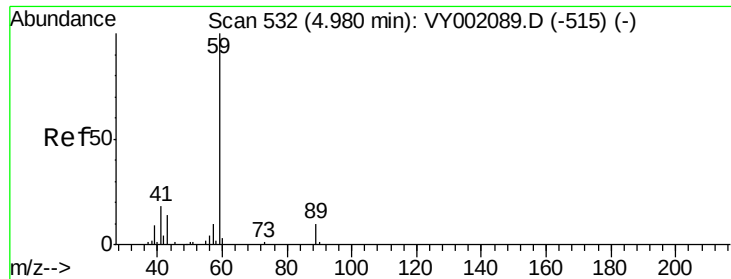
Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	142	Resp:	38403
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.6	49.0
141	13.9	11.4	17.0





#11

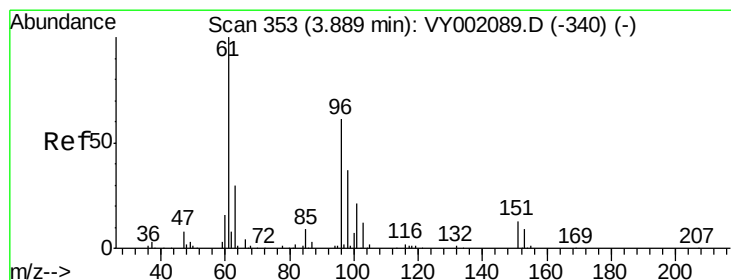
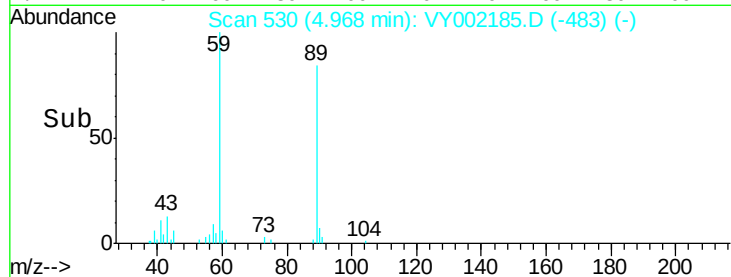
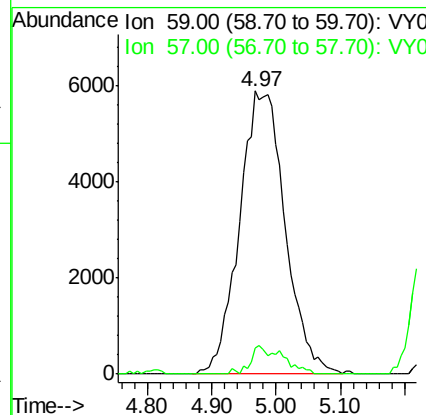
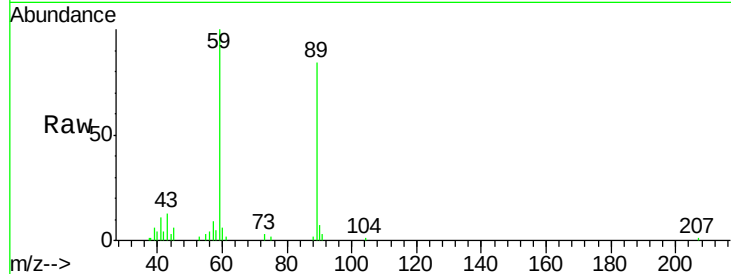
Tert butyl alcohol
 Concen: 146.554 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	59	Ratio	100	Resp	28878
Ion	59	100		Lower	Upper
	57	4.3		7.7	11.5#

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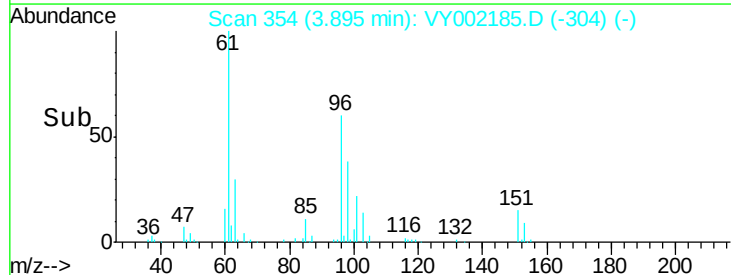
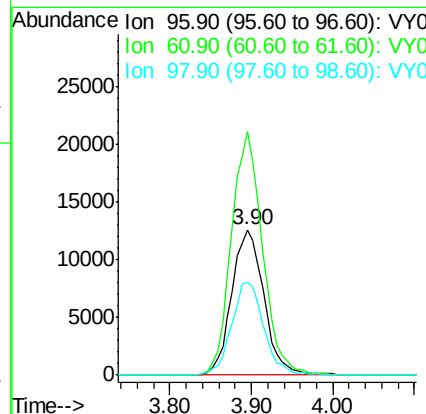
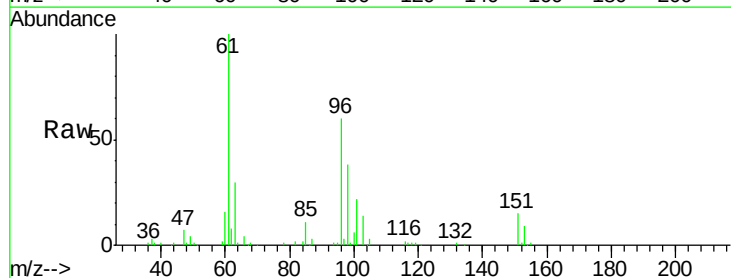
MMDadoda
 4/6/2020 11:28:38 AM

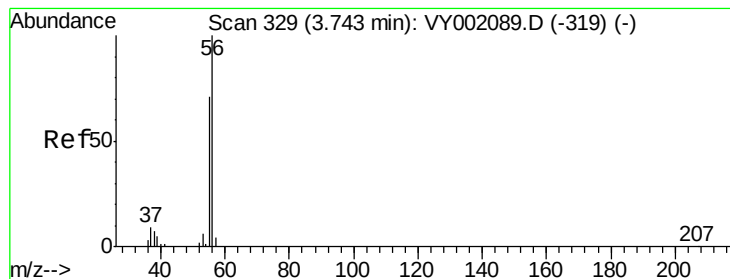


#12

1,1-Dichloroethene
 Concen: 20.907 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	96	Ratio	100	Resp	34313
Ion	96	100		Lower	Upper
	61	167.7		132.0	198.0
	98	64.1		49.4	74.0





#13

Acrolein

Concen: 81.071 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion: 56 Resp: 19966

Ion Ratio Lower Upper

56 100

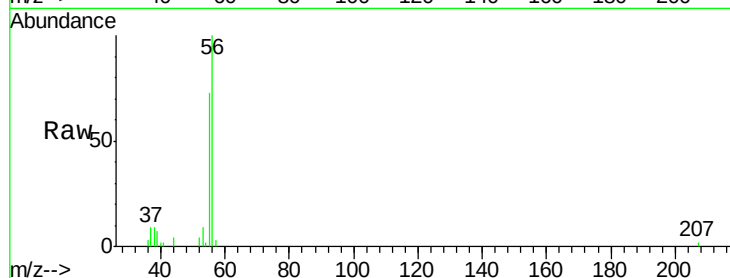
55 71.9 56.5 84.7

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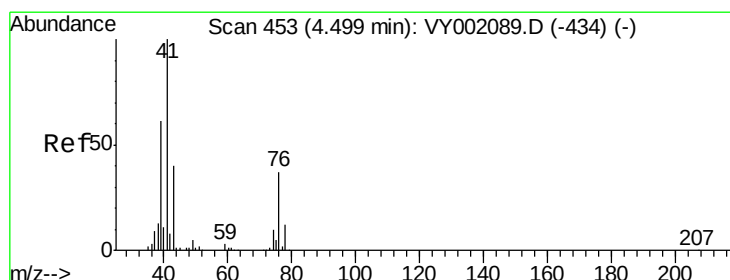
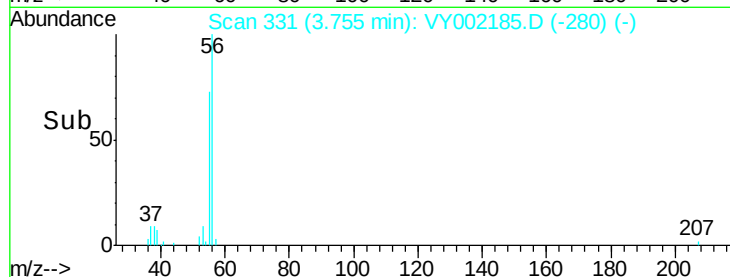


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.76

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.255 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

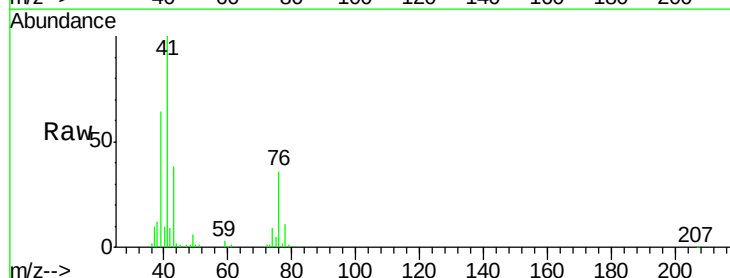
Tgt Ion: 41 Resp: 60857

Ion Ratio Lower Upper

41 100

39 61.6 49.0 73.4

76 35.4 27.8 41.8



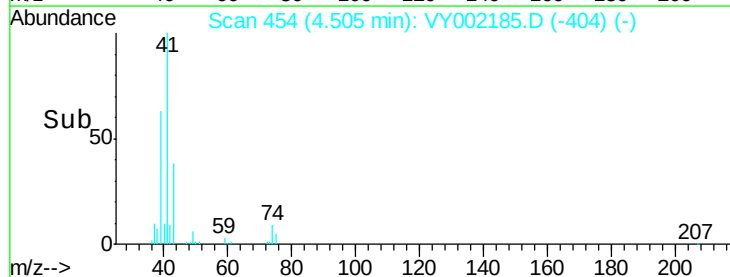
Abundance Ion 41.00 (40.70 to 41.70): VY0

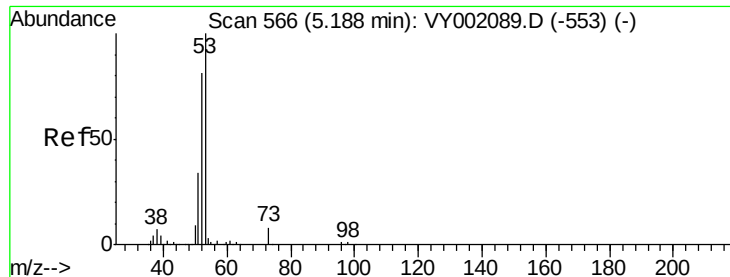
Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.50

Time--> 4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 107.448 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

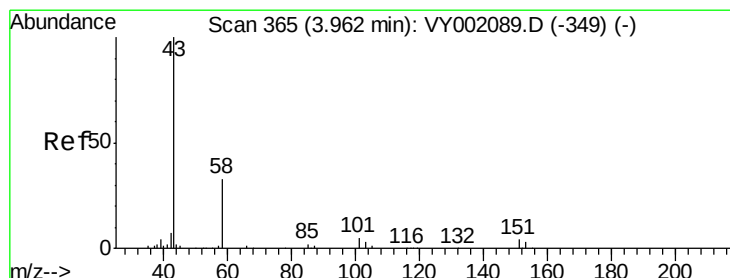
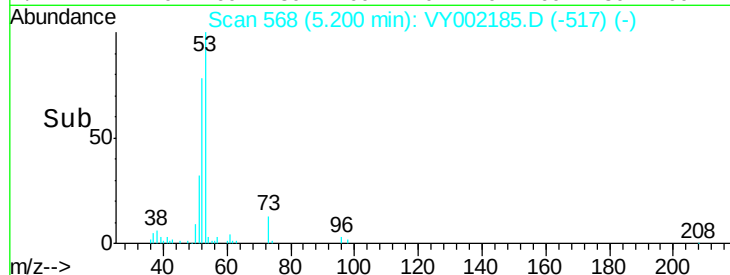
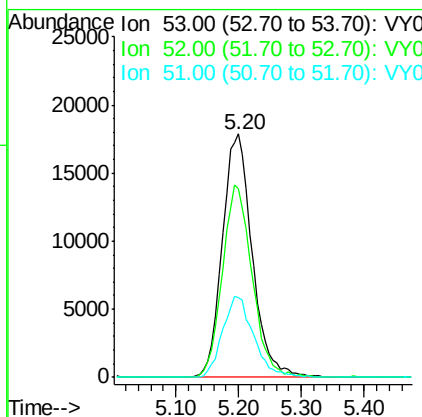
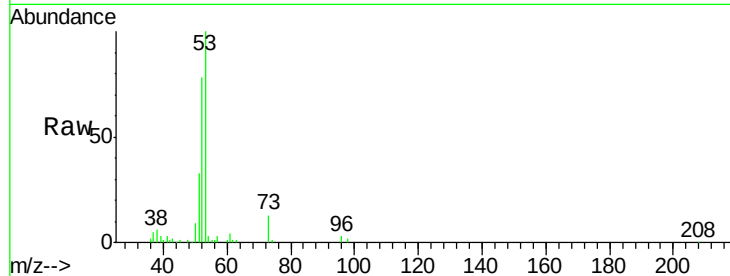
ClientSampleId :

VY0402SBS01

Tot Ion:	53	Resp:	58764
Ion	Ratio	Lower	Upper
53	100		
52	78.9	64.6	97.0
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 100.951 ug/l

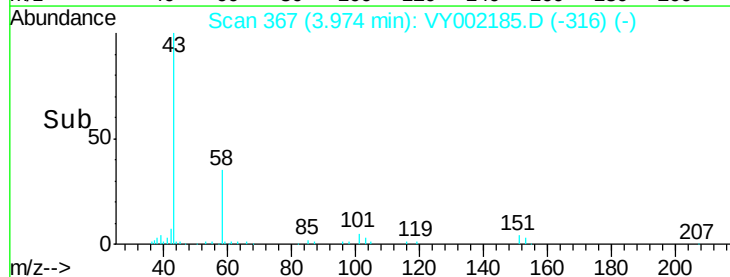
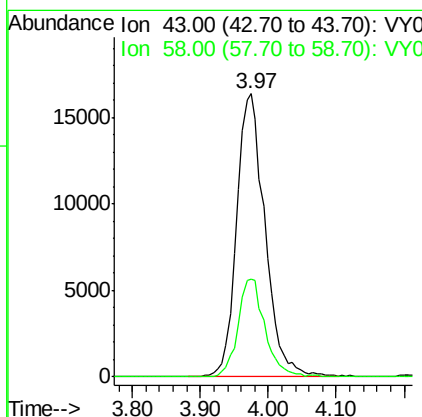
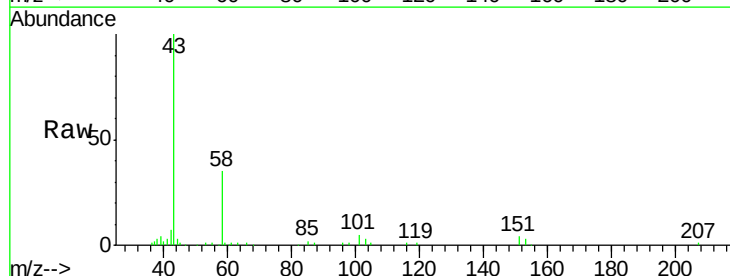
RT: 3.97 min Scan# 367

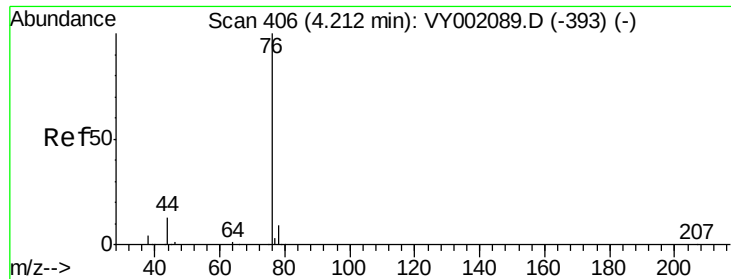
Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	43	Resp:	47424
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.3	39.5





#17

Carbon Disulfide

Concen: 20.473 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion: 76 Resp: 111514

Ion Ratio Lower Upper

76 100

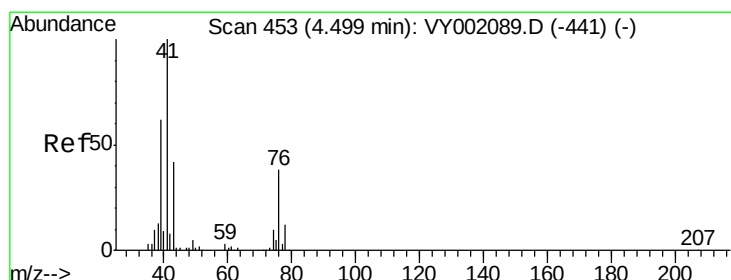
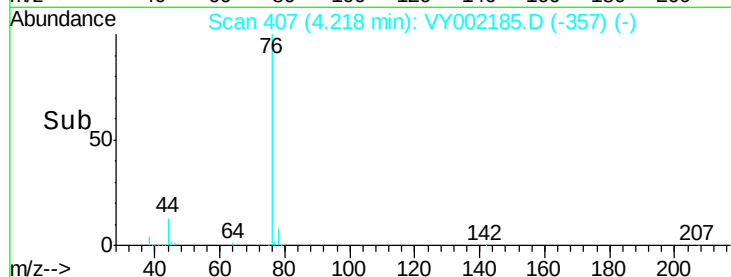
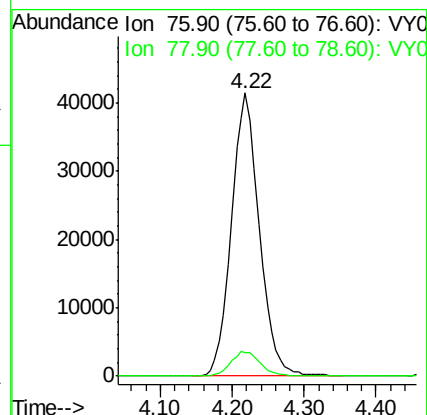
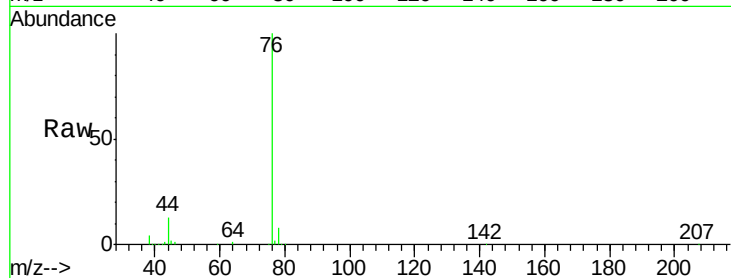
78 8.5 7.3 10.9

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#18

Methyl Acetate

Concen: 20.773 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002185.D

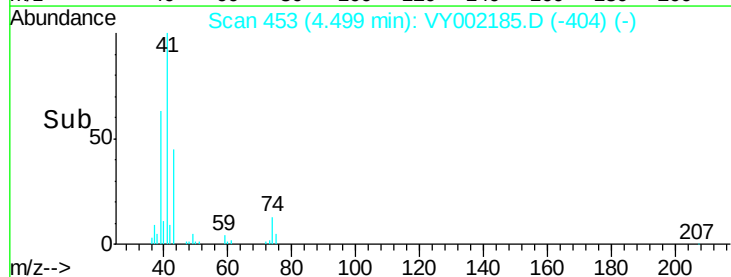
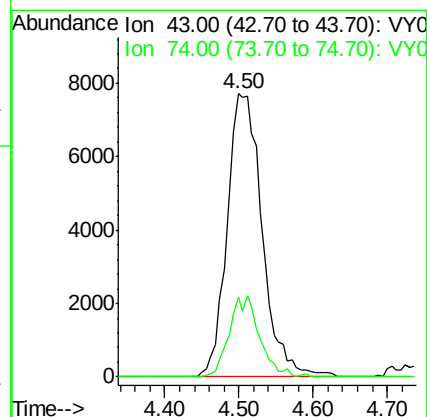
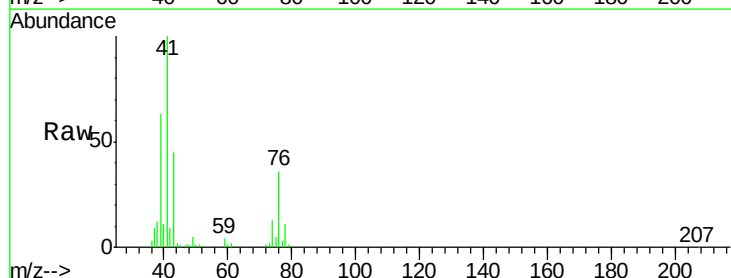
Acq: 02 Apr 2020 12:40

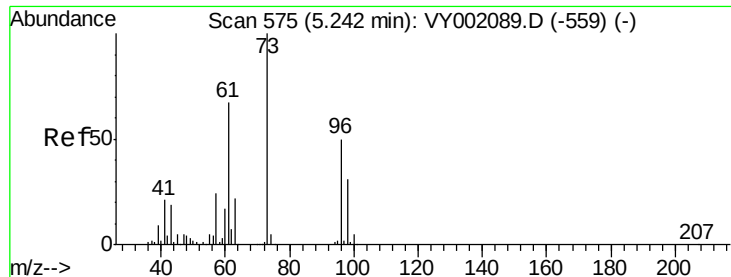
Tgt Ion: 43 Resp: 25340

Ion Ratio Lower Upper

43 100

74 24.7 18.3 27.5





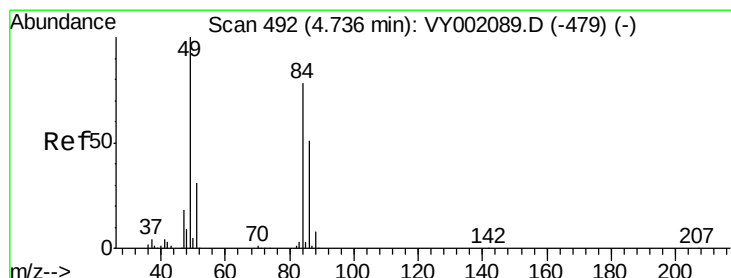
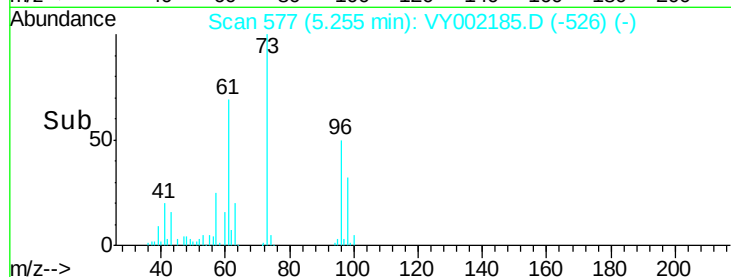
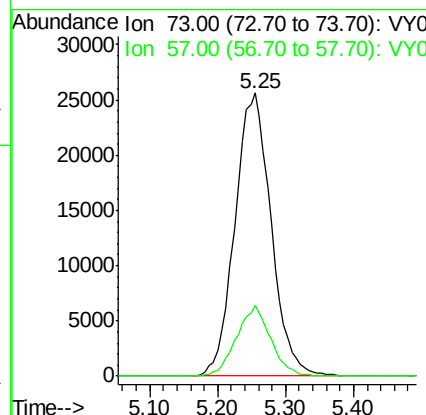
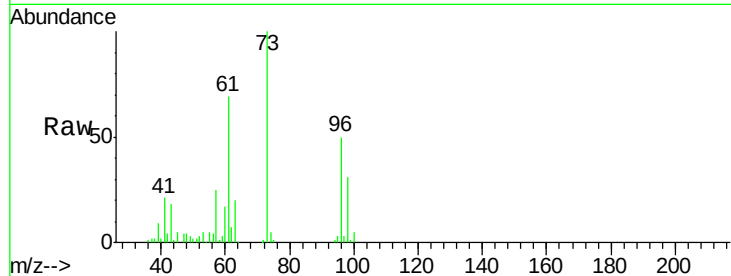
#19
Methyl tert-butyl Ether
Concen: 20.615 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion: 73 Resp: 94387
Ion Ratio Lower Upper
73 100
57 25.2 19.0 28.6

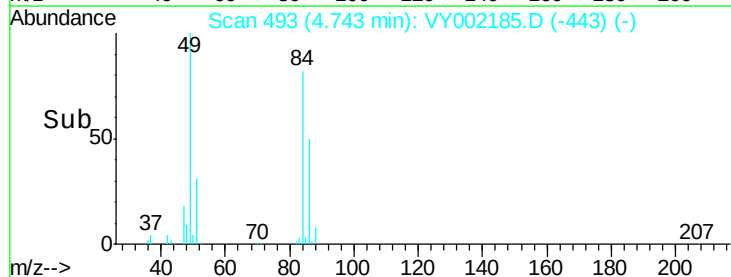
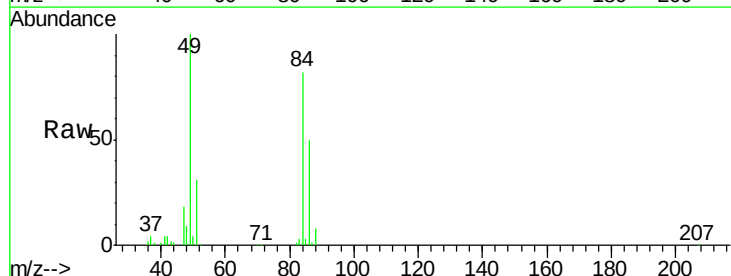
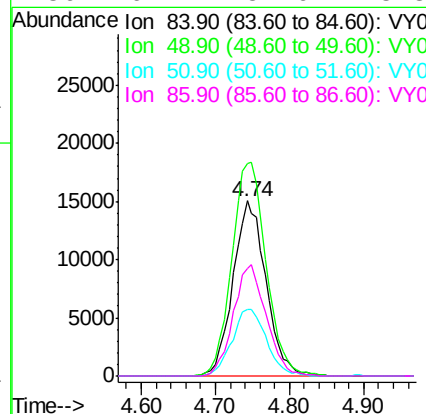
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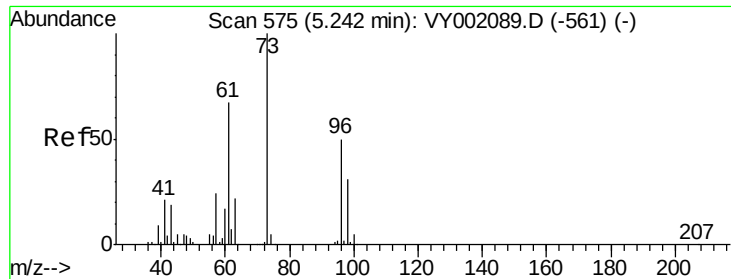
MMDadoda
4/6/2020 11:28:38 AM



#20
Methylene Chloride
Concen: 20.981 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion: 84 Resp: 46589
Ion Ratio Lower Upper
84 100
49 121.6 102.2 153.4
51 38.1 31.2 46.8
86 61.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.973 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

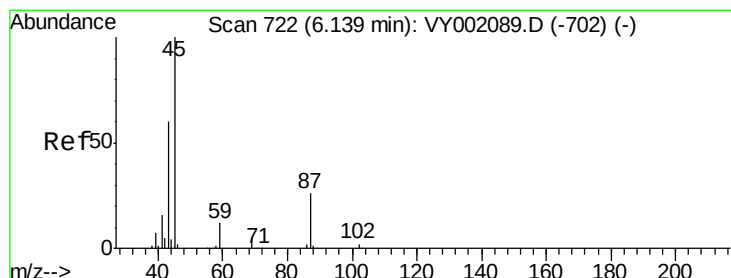
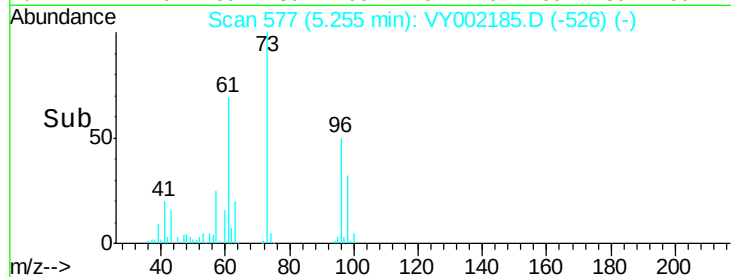
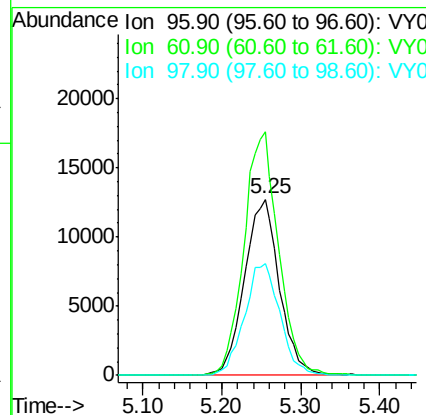
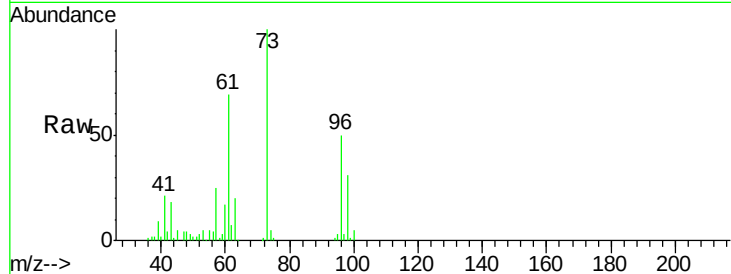
ClientSampleId :

VY0402SBS01

Tot Ion:	96	Resp:	39193
Ion	Ratio	Lower	Upper
96	100		
61	138.5	107.7	161.5
98	63.2	50.5	75.7

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#22

Diisopropyl ether

Concen: 20.277 ug/l

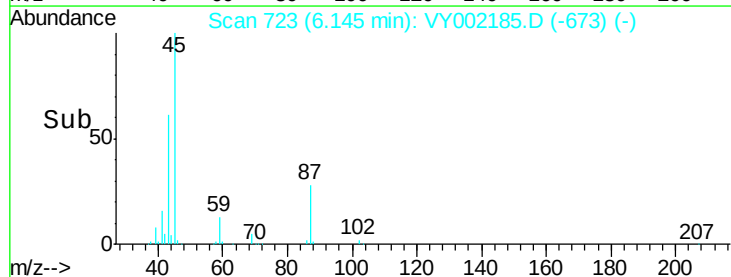
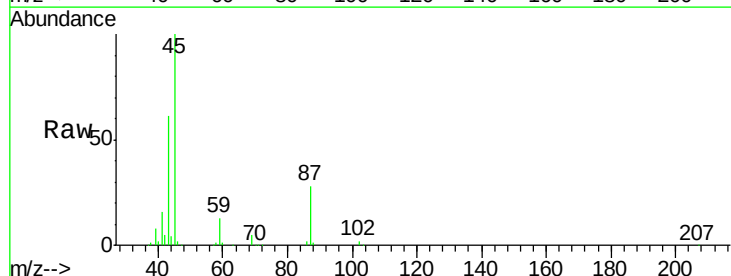
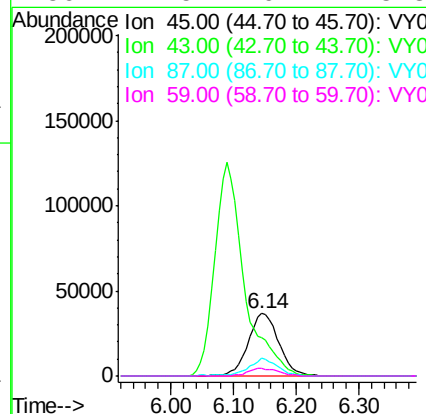
RT: 6.14 min Scan# 723

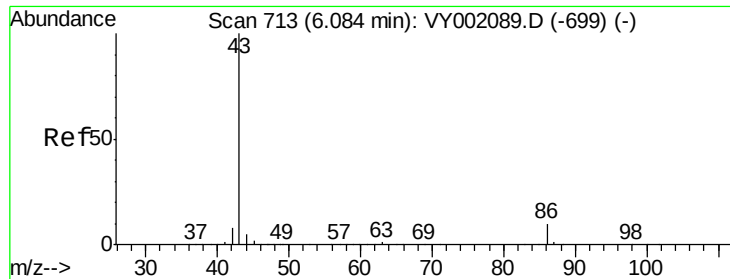
Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	45	Resp:	124678
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.1	72.1
87	27.9	21.1	31.7
59	12.5	9.2	13.8





#23

Vinyl Acetate

Concen: 102.091 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 43 Resp: 411634

Ion Ratio Lower Upper

43 100

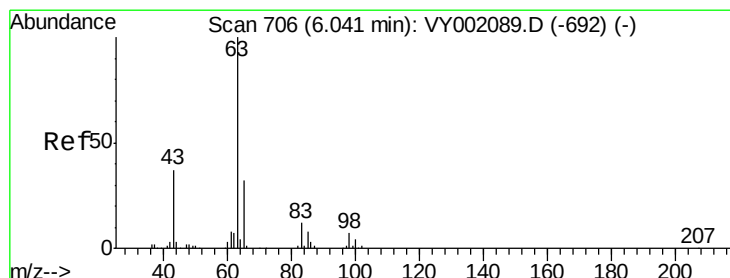
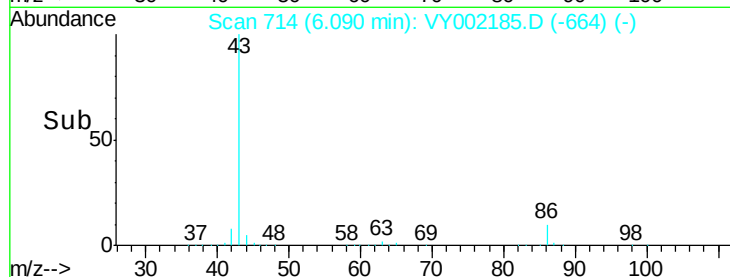
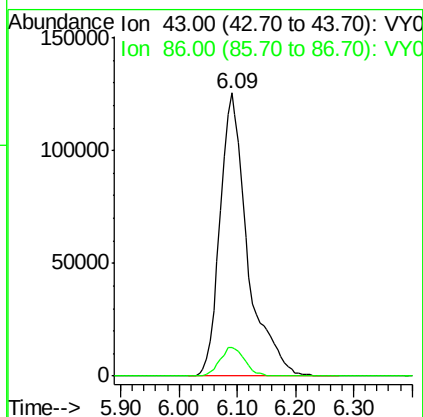
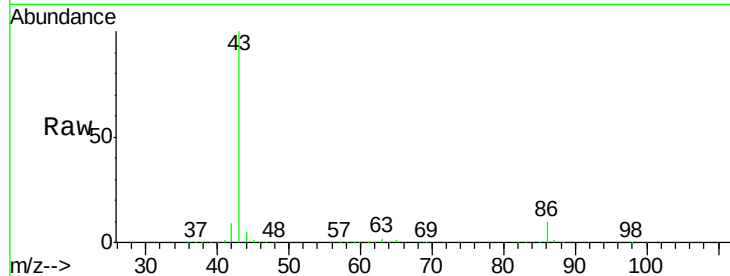
86 10.0 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.777 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

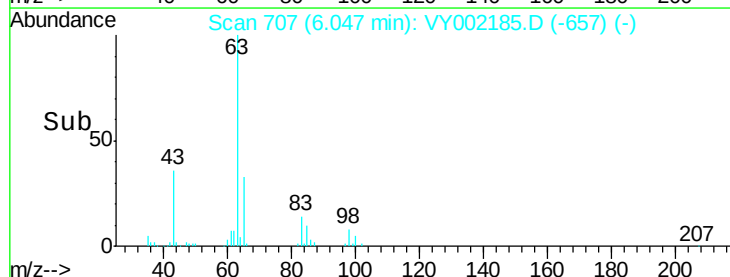
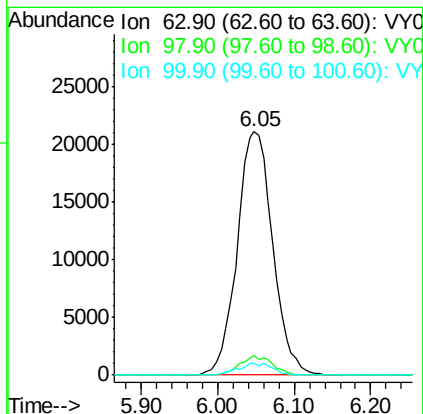
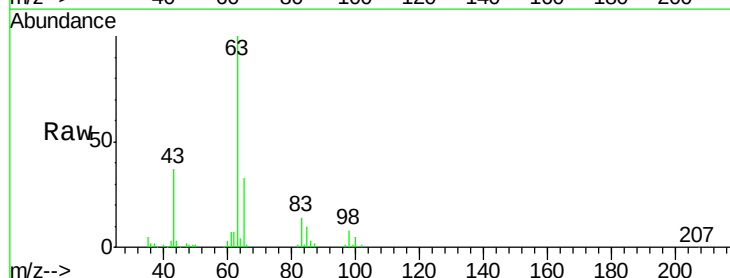
Tgt Ion: 63 Resp: 67927

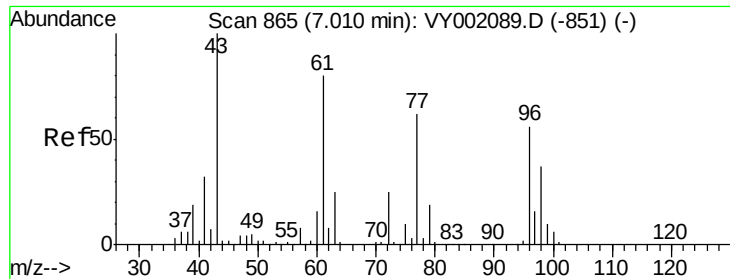
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 104.262 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion: 43 Resp: 75208

Ion Ratio Lower Upper

43 100

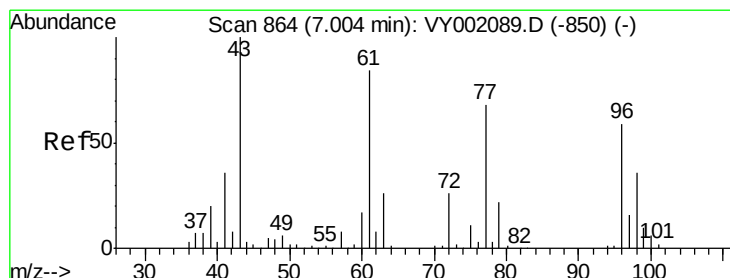
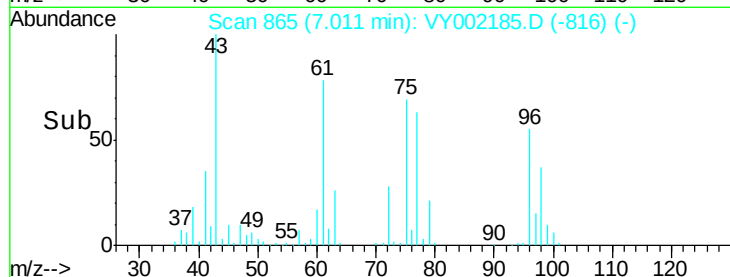
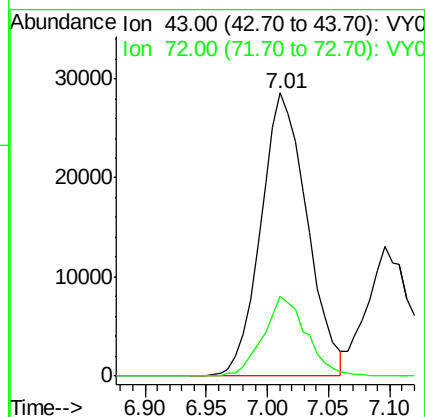
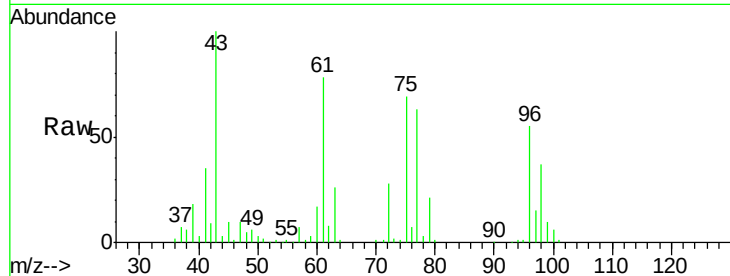
72 28.4 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.984 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002185.D

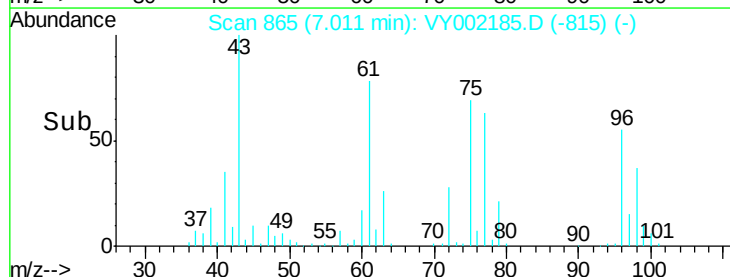
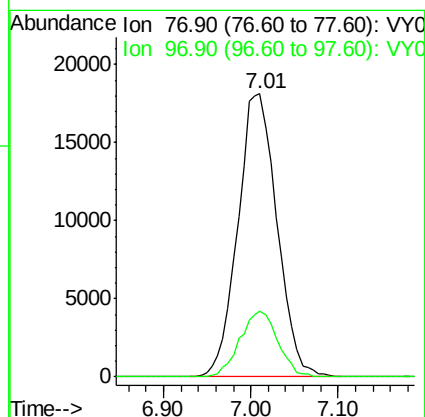
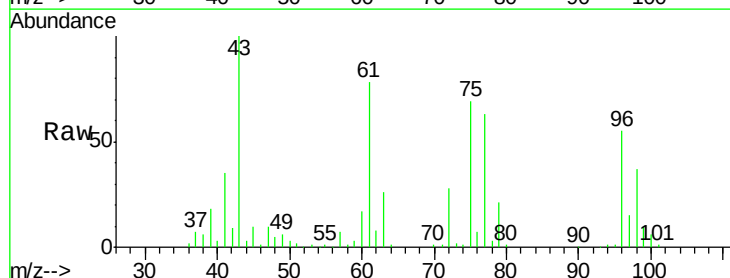
Acq: 02 Apr 2020 12:40

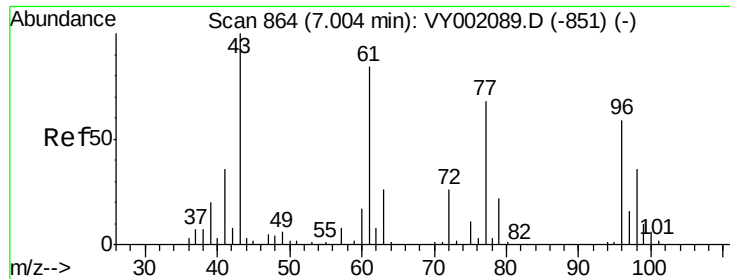
Tgt Ion: 77 Resp: 56501

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.1





#27

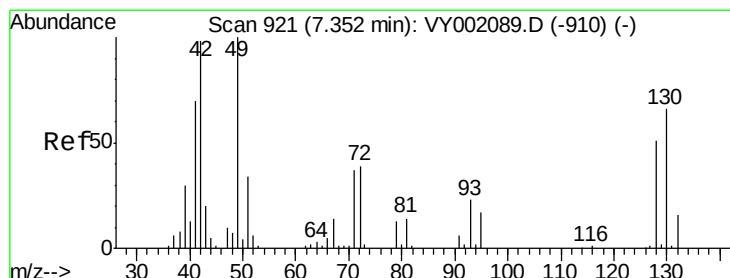
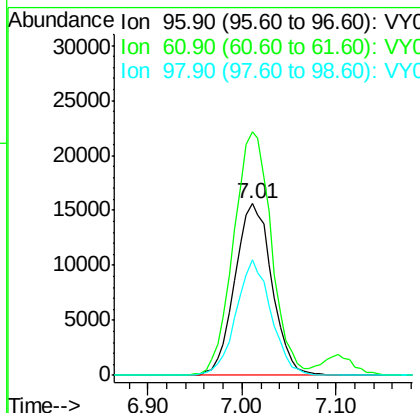
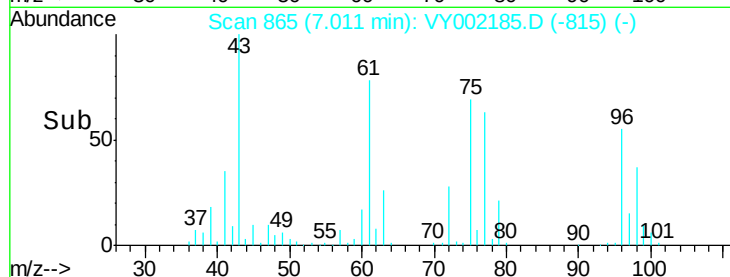
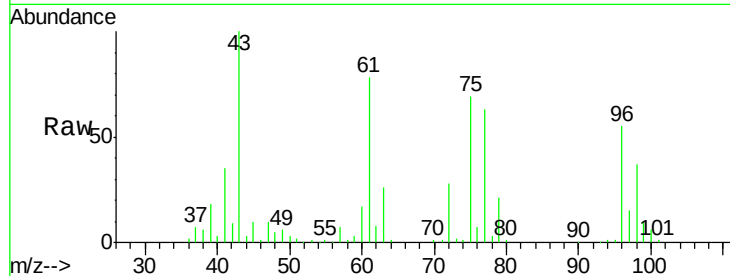
cis-1,2-Dichloroethene
Concen: 20.893 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	290.6
98	63.5	0.0	128.0

Manual Integrations
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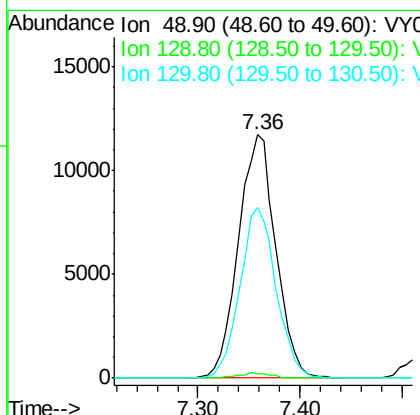
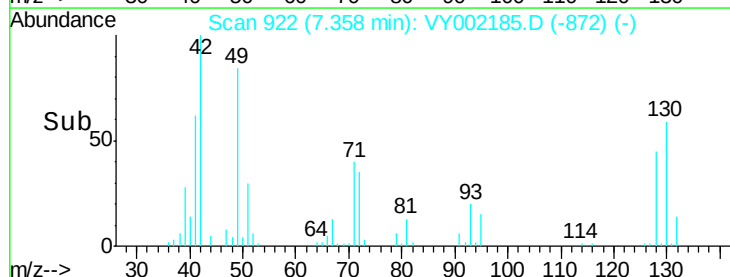
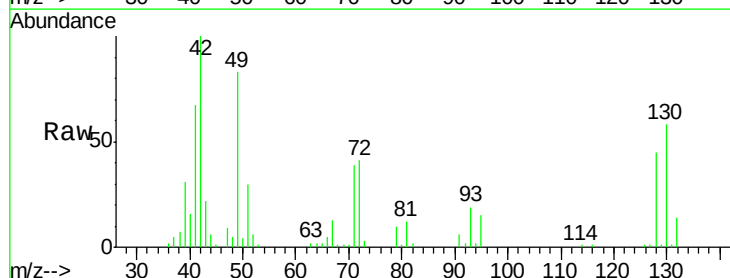
MMDadoda
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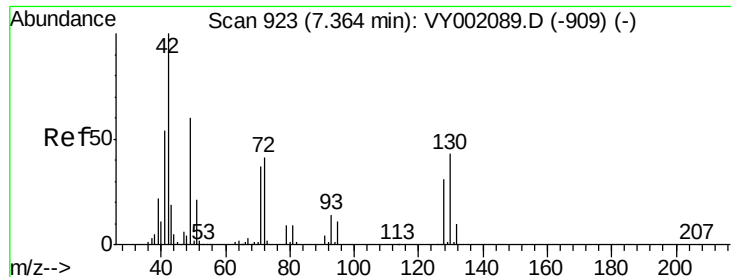


#28

Bromochloromethane
Concen: 19.978 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	67.8	54.1	81.1





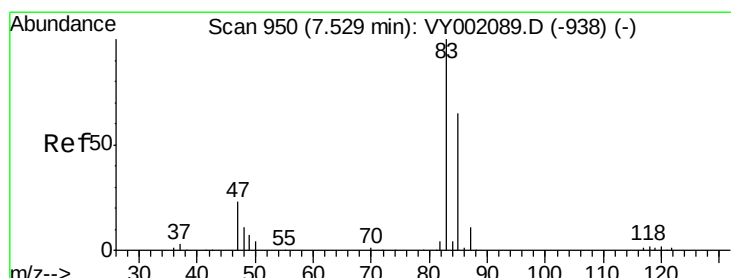
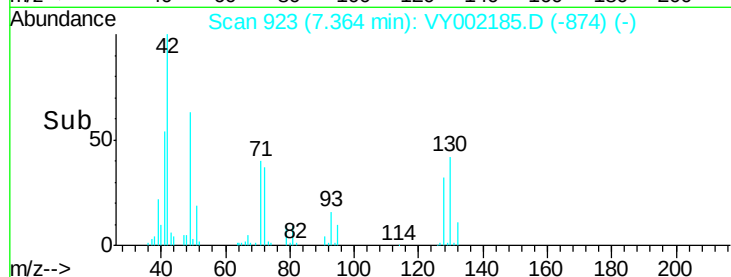
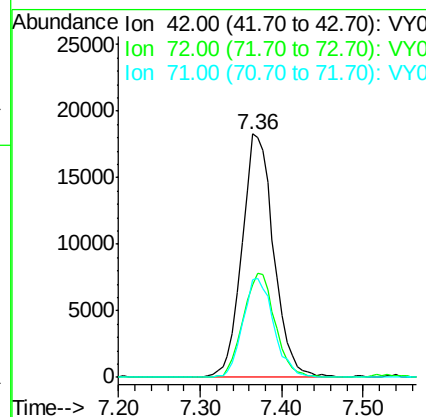
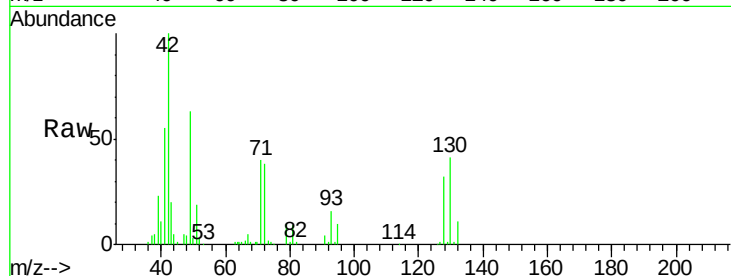
#29
Tetrahydrofuran
Concen: 103.989 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.0	49.4
71	39.6	31.2	46.8

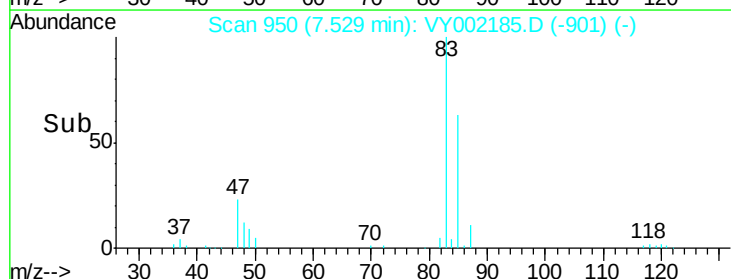
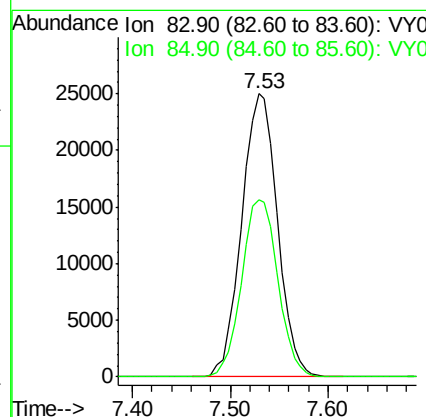
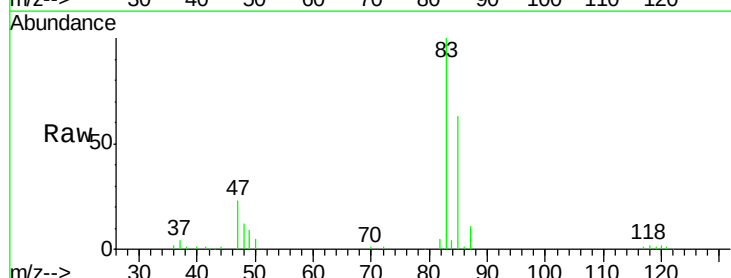
Manual Integrations
APPROVED

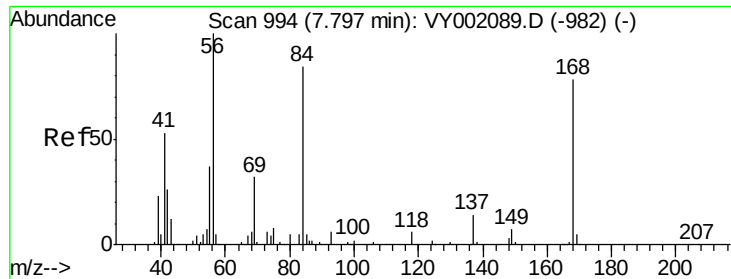
MMDadoda
4/6/2020 11:28:38 AM



#30
Chloroform
Concen: 20.459 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





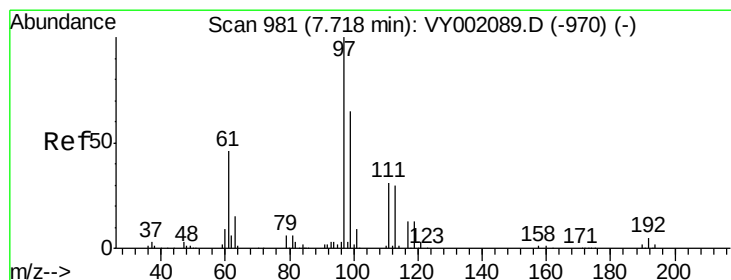
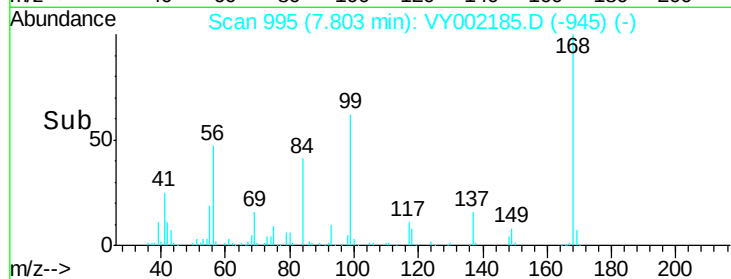
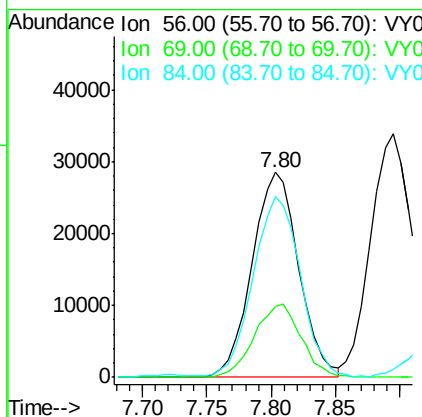
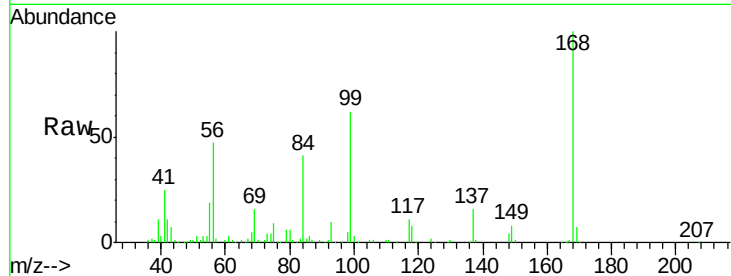
#31
Cyclohexane
Concen: 20.506 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.8	38.8
84	87.6	67.1	100.7

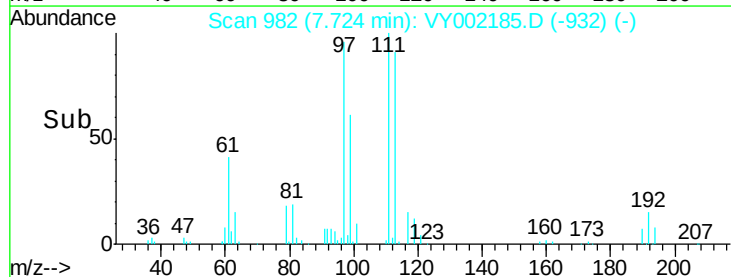
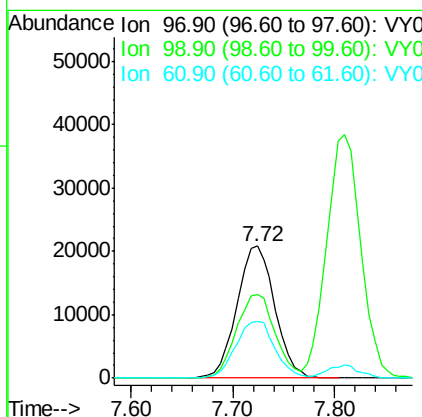
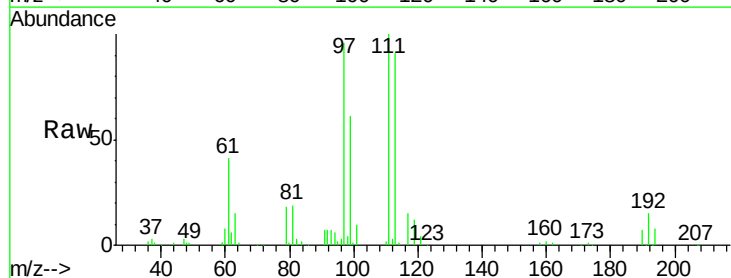
Manual Integrations
APPROVED

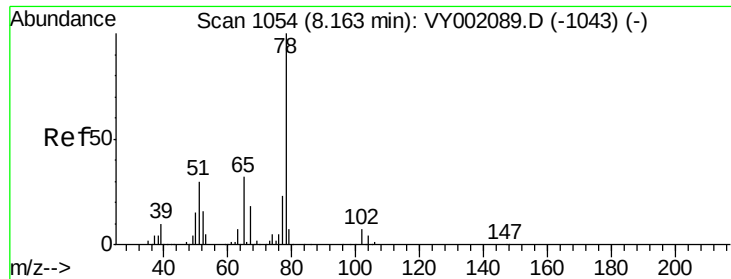
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4/6/2020 11:28:38 AM



#32
1,1,1-Trichloroethane
Concen: 20.744 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	44.4	35.7	53.5





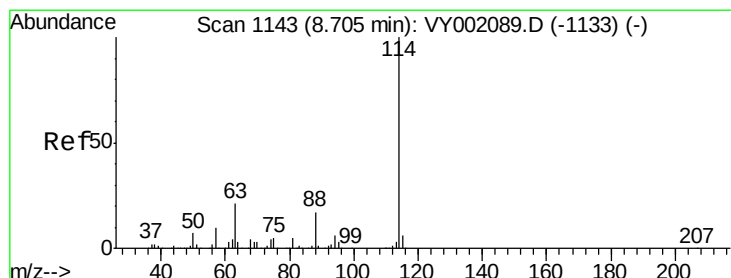
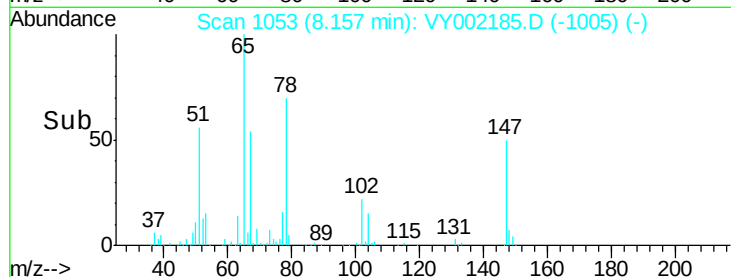
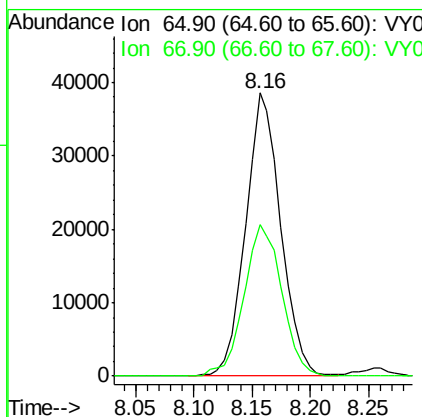
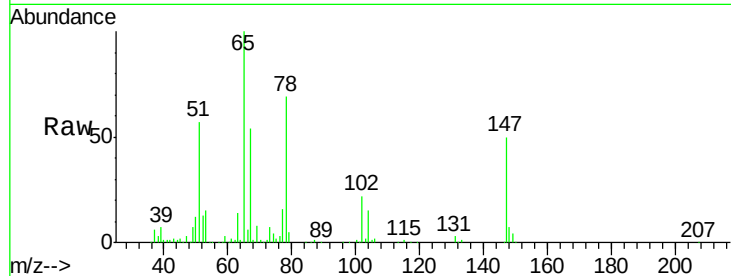
#33
 1,2-Dichloroethane-d4
 Concen: 48.460 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.6	0.0	112.8

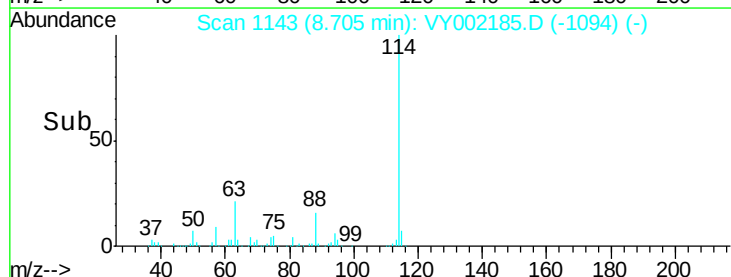
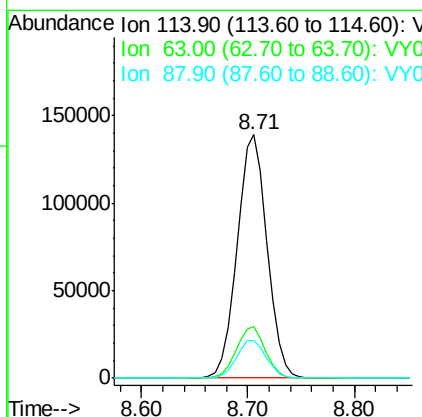
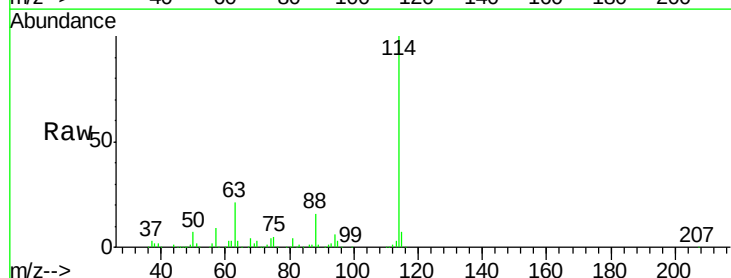
Manual Integrations
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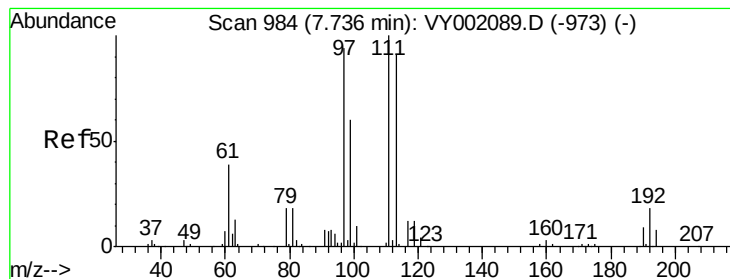
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	15.6	0.0	33.0





#35

Dibromofluoromethane

Concen: 49.788 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

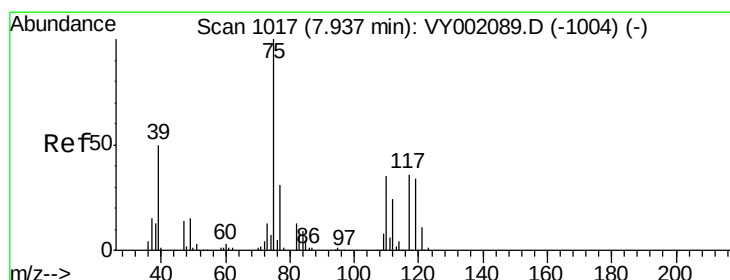
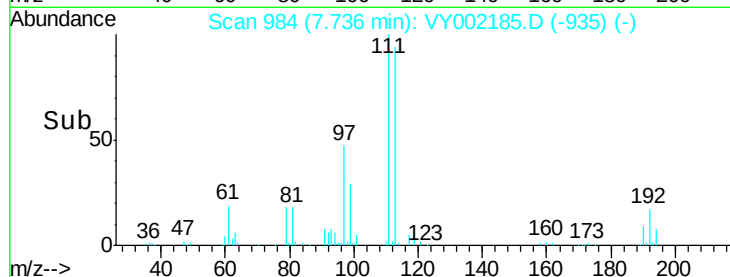
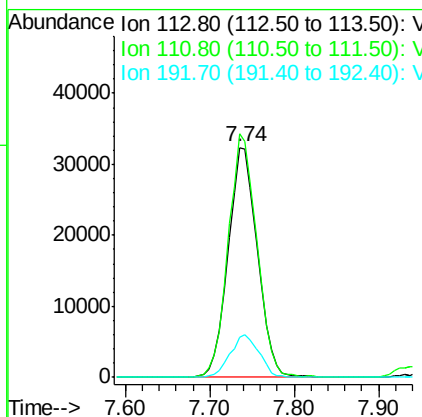
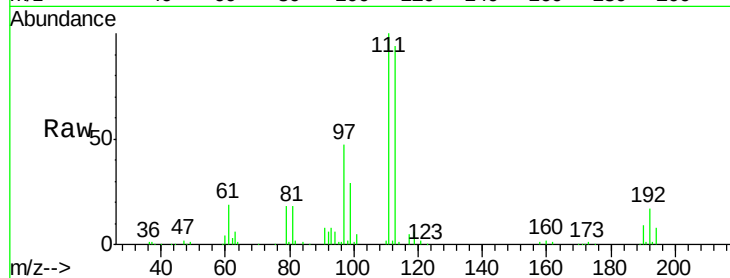
ClientSampleId :

VY0402SBS01

Tot Ion:	113	Resp:	76158
Ion	Ratio	Lower	Upper
113	100		
111	104.0	84.4	126.6
192	18.1	14.6	21.8

Manual Integrations
APPROVED

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#36

1,1-Dichloropropene

Concen: 20.689 ug/l

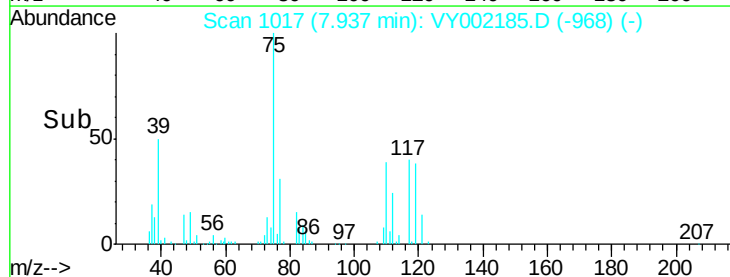
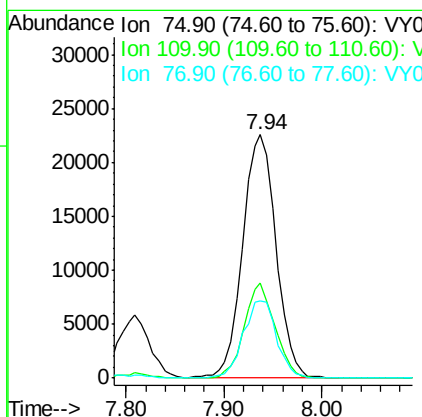
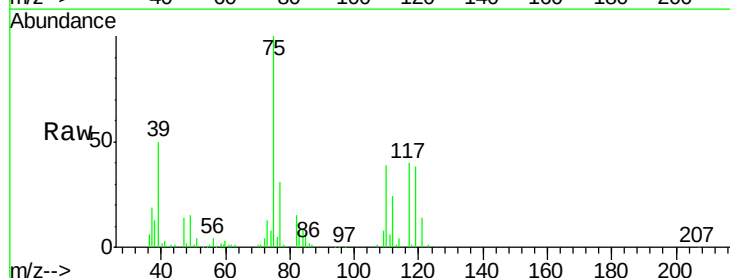
RT: 7.94 min Scan# 1017

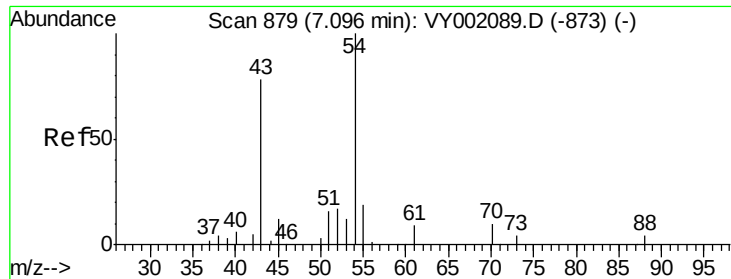
Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	75	Resp:	53422
Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.2	51.6
77	31.5	24.7	37.1





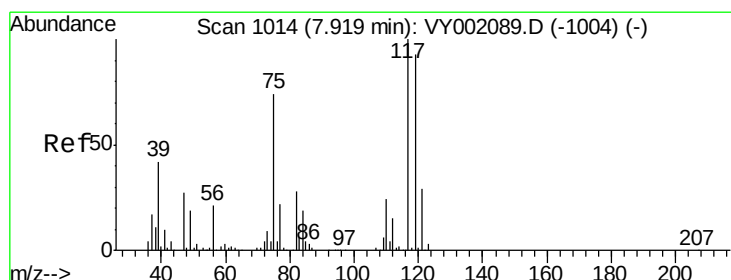
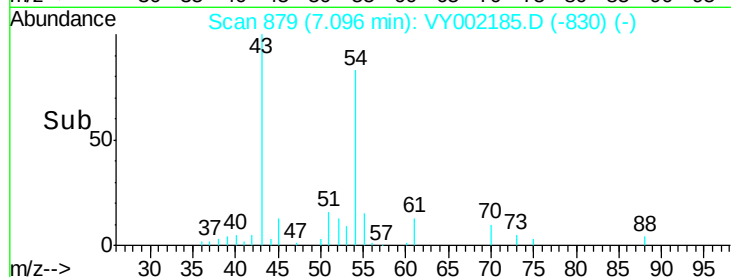
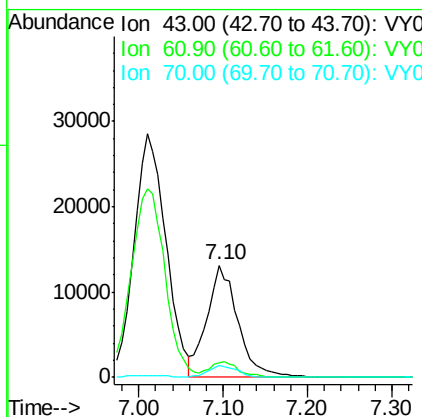
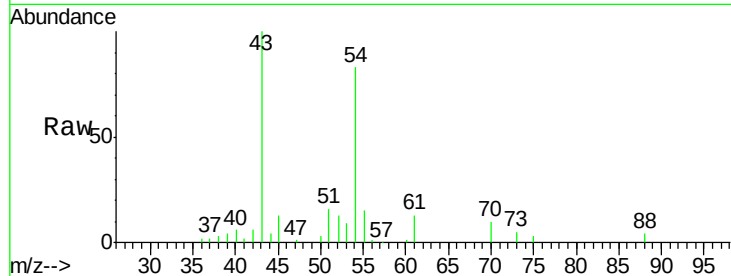
#37
Ethyl Acetate
Concen: 21.623 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	43	Resp	33741
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.2	16.8
70	9.8	8.2	12.4

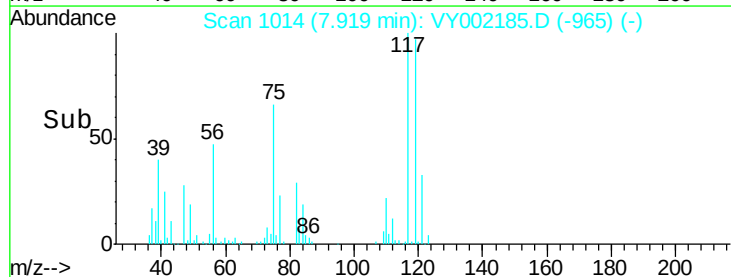
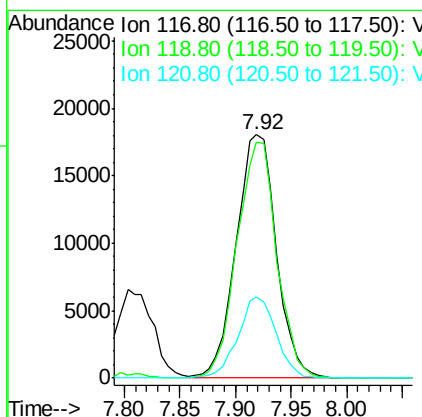
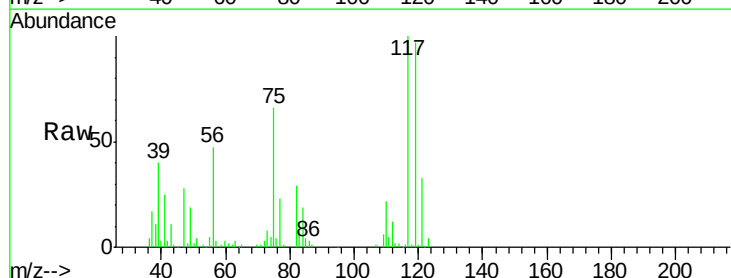
Manual Integrations
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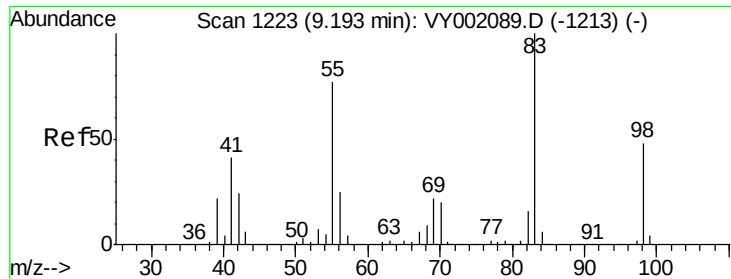
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#38
Carbon Tetrachloride
Concen: 20.687 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	117	Resp	45321
Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.3	111.5
121	33.2	23.3	34.9





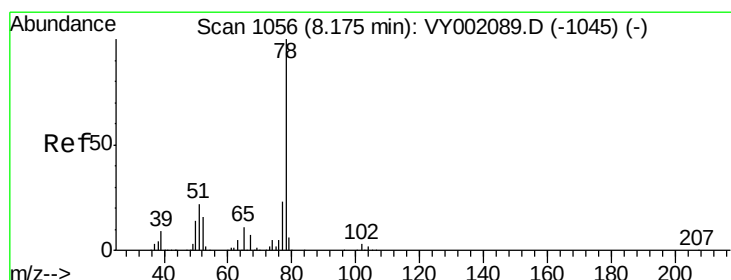
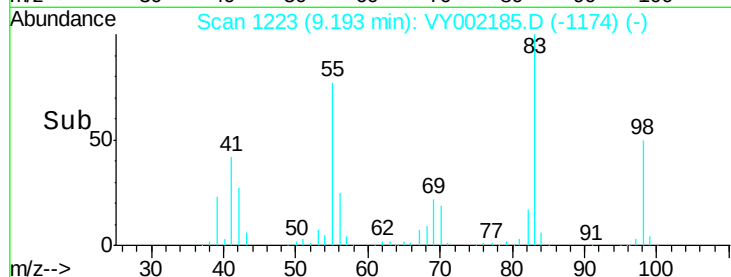
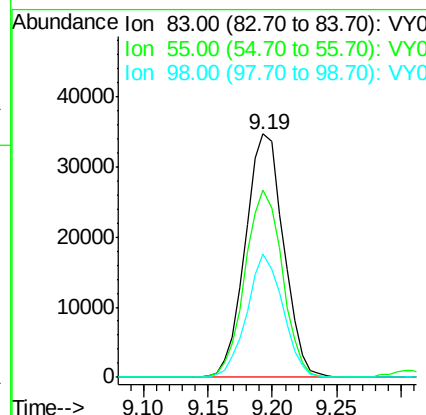
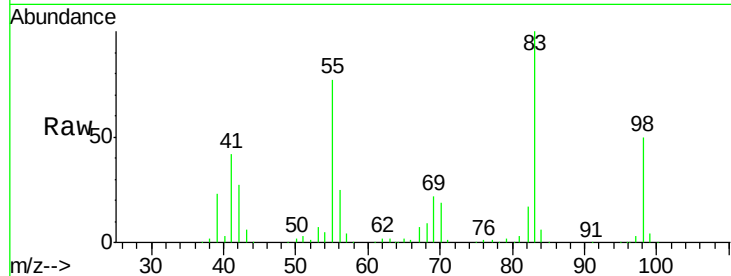
#39
Methylvlcyclohexane
Concen: 21.054 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.2	91.8
98	50.4	38.2	57.2

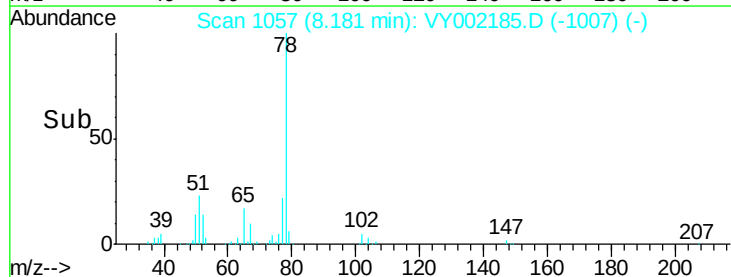
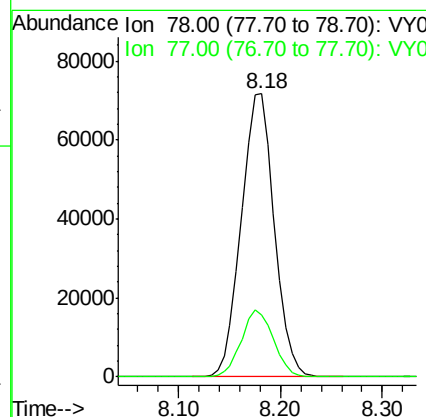
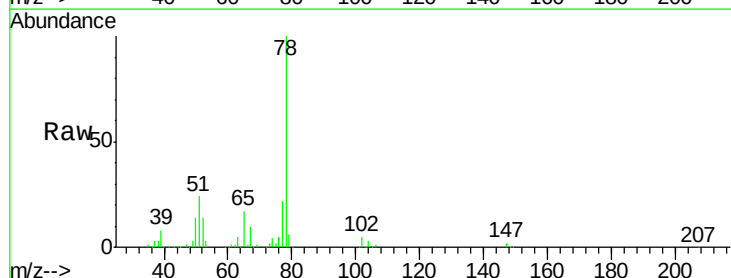
Manual Integrations
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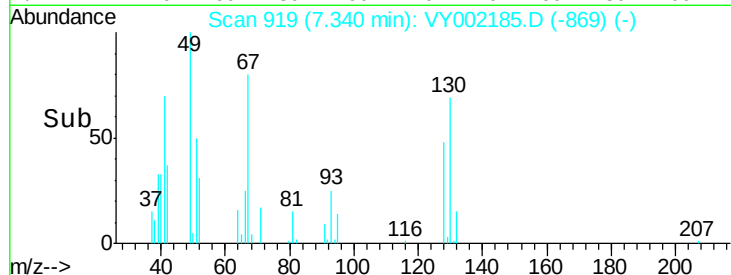
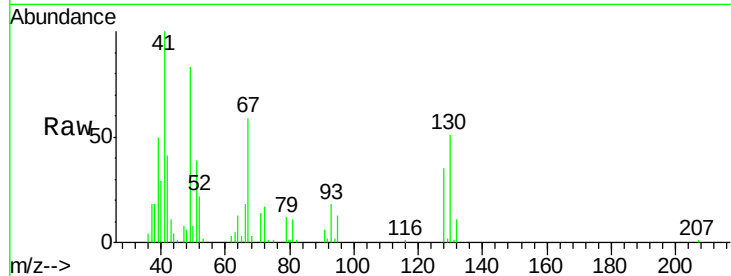
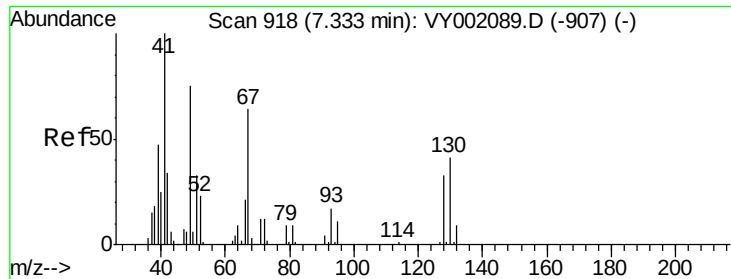
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#40
Benzene
Concen: 21.043 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.2	27.4





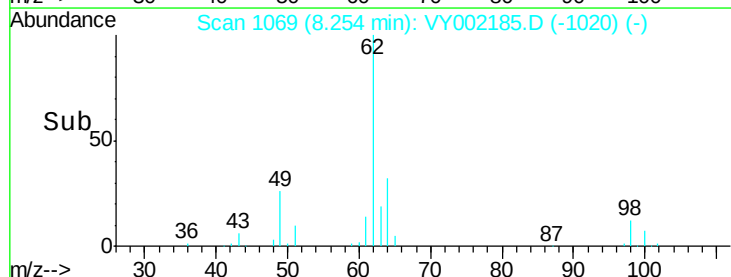
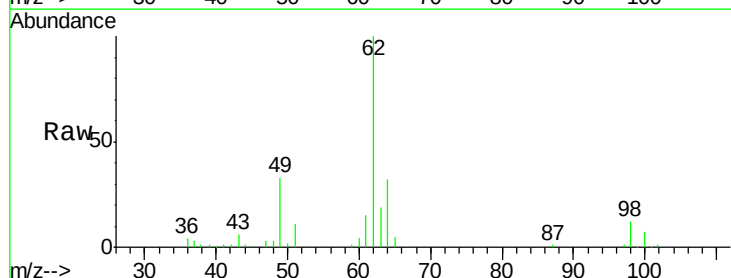
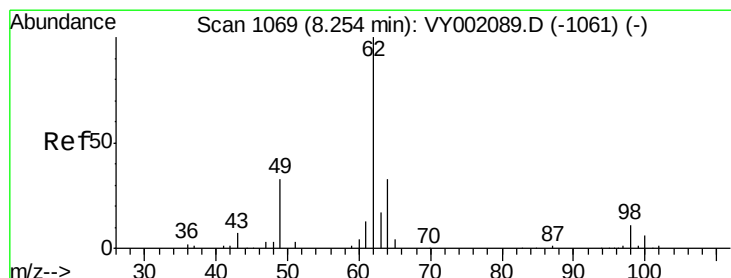
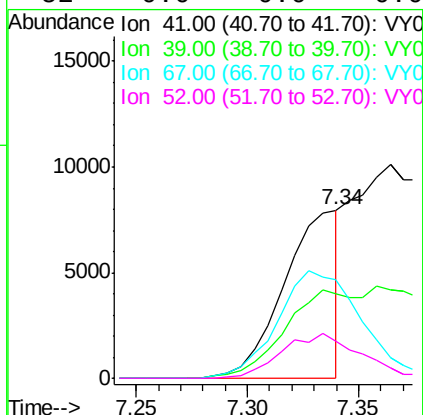
#41
Methacrylonitrile
Concen: 17.507 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tot Ion	41	Resp:	13818
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

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

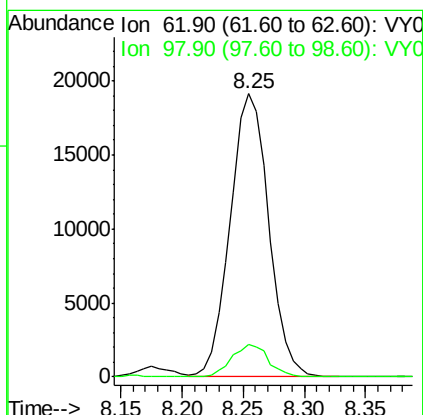
Manual Integrations
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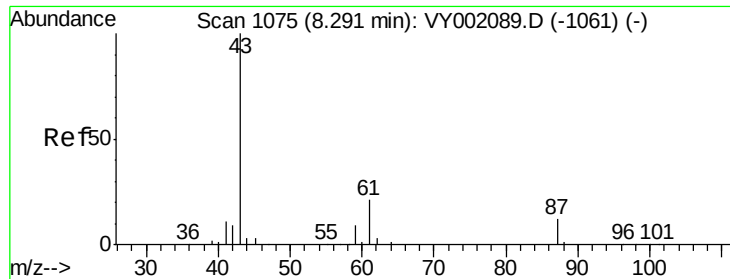
MMDadoda
4/6/2020 11:28:38 AM



#42
1,2-Dichloroethane
Concen: 20.618 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	62	Resp:	41869
Ion Ratio	Lower	Upper	
62	100		
98	10.8	0.0	21.2





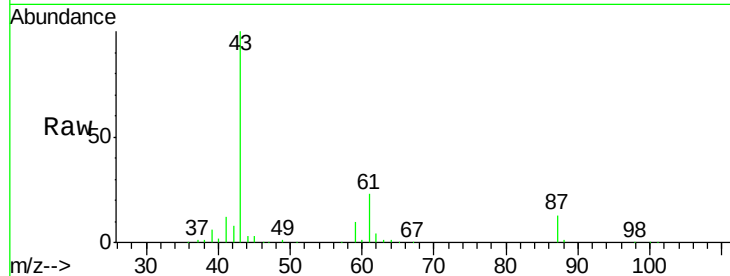
#43
Isopropyl Acetate
Concen: 20.767 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

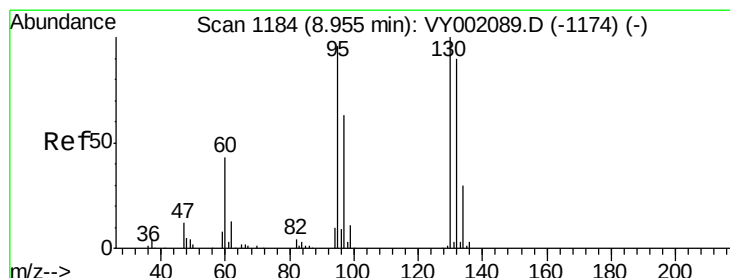
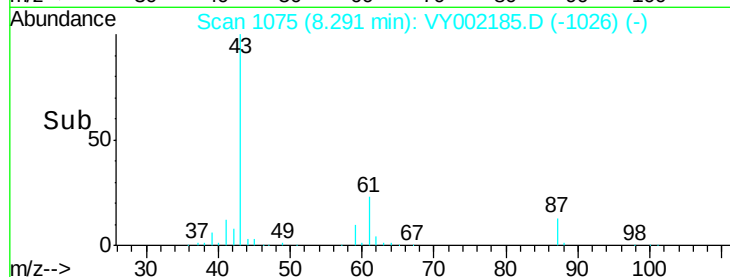
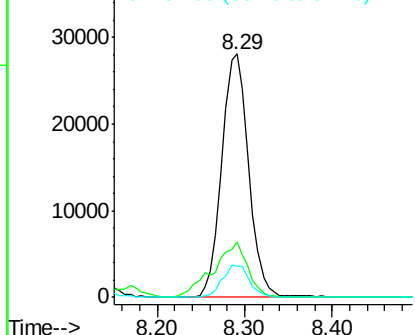
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.4	35.2
87	13.2	10.2	15.4

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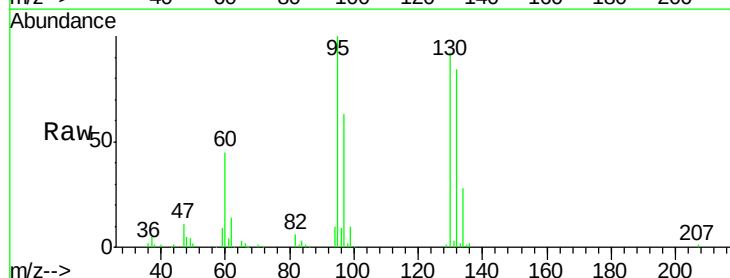


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

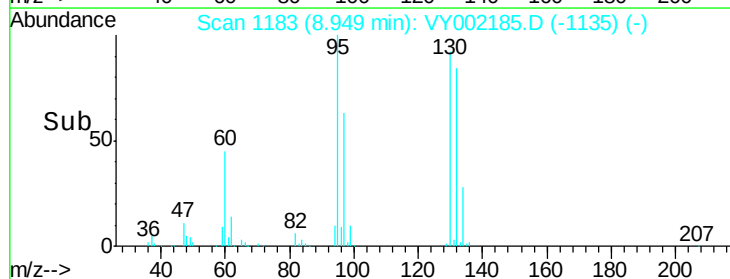
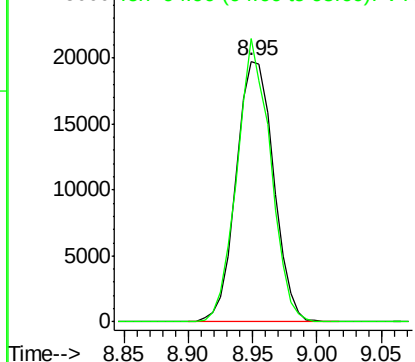


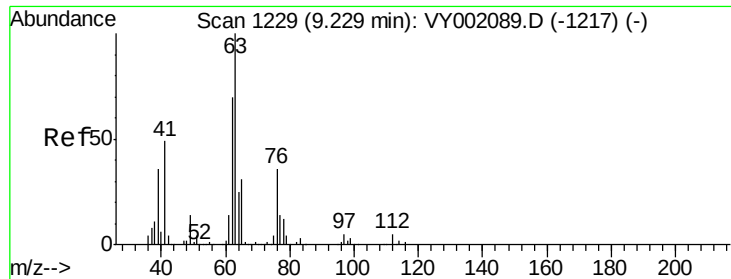
#44
Trichloroethene
Concen: 21.595 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





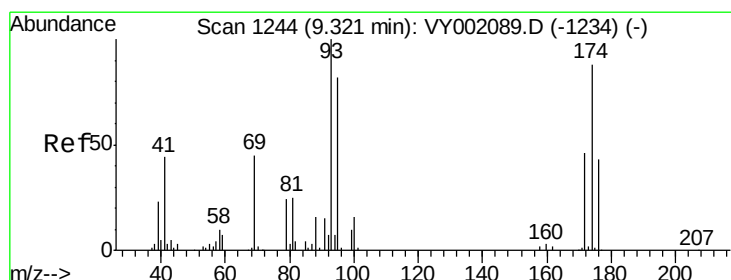
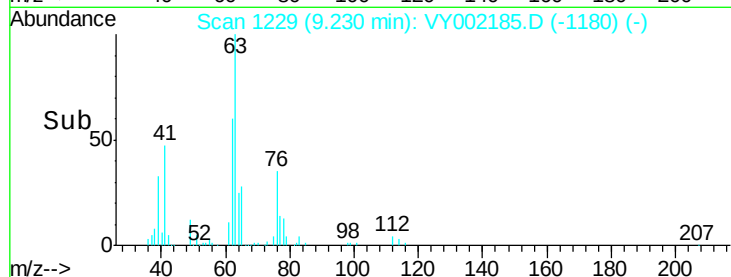
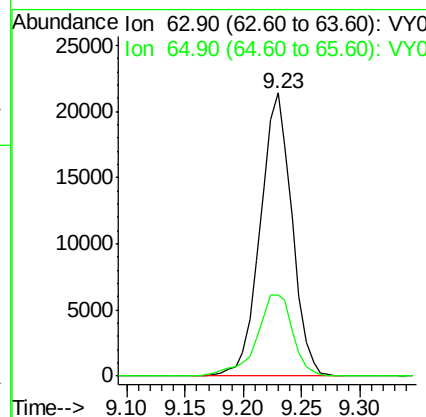
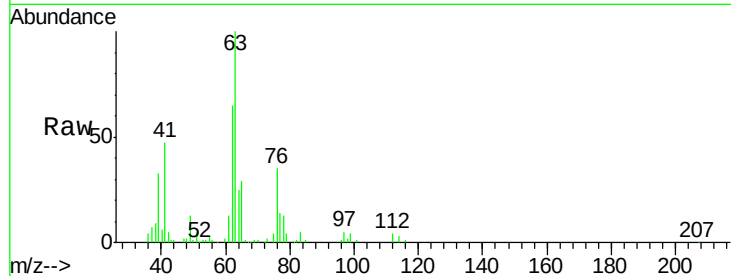
#45
 1,2-Dichloropropane
 Concen: 20.841 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	25.0	37.6

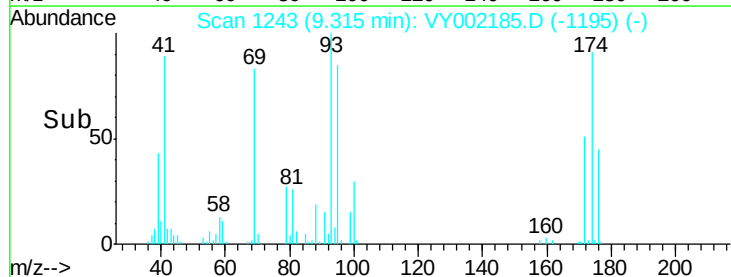
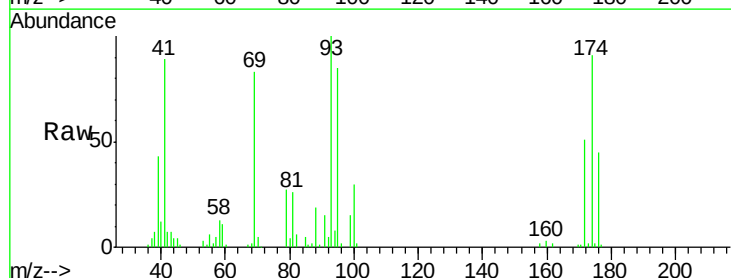
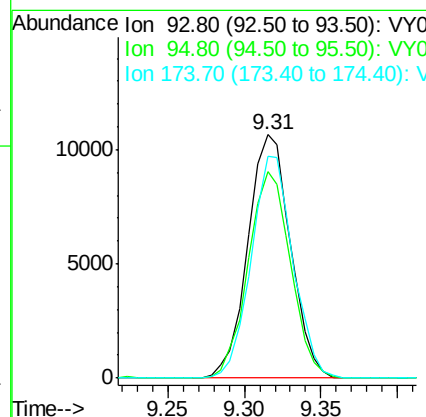
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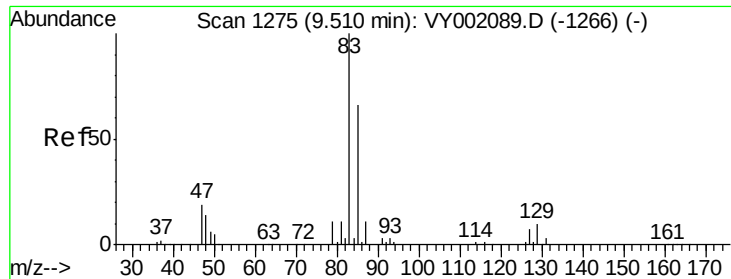
MMDadoda
 4/6/2020 11:28:38 AM



#46
 Dibromomethane
 Concen: 20.620 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.0	99.0
174	89.5	69.8	104.8





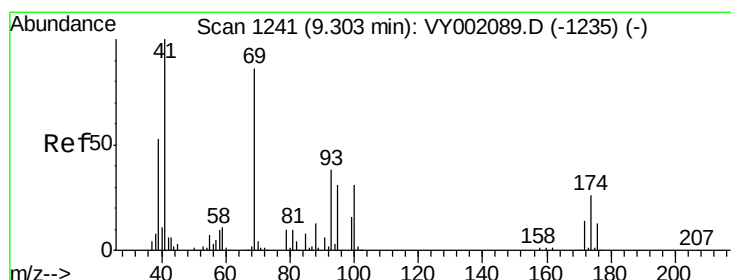
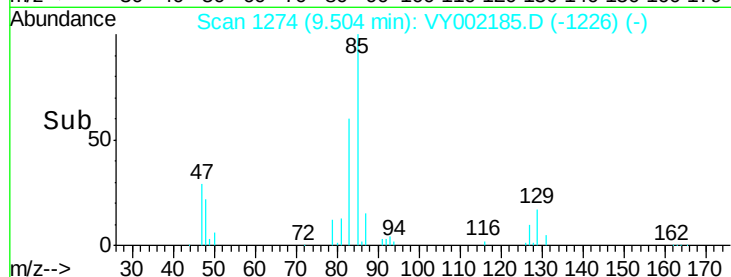
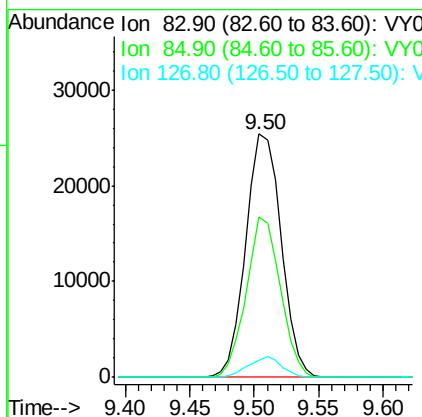
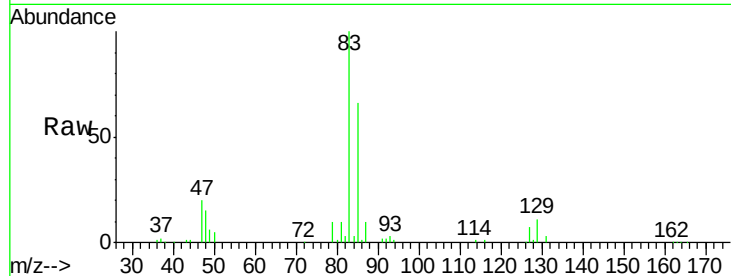
#47
Bromodichloromethane
Concen: 20.768 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	83	Resp	48355
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	52.6	79.0
127	6.8	5.9	8.9

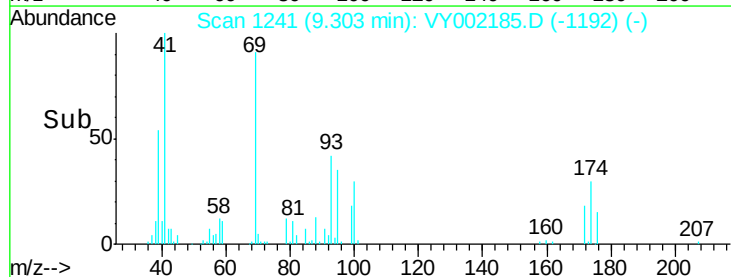
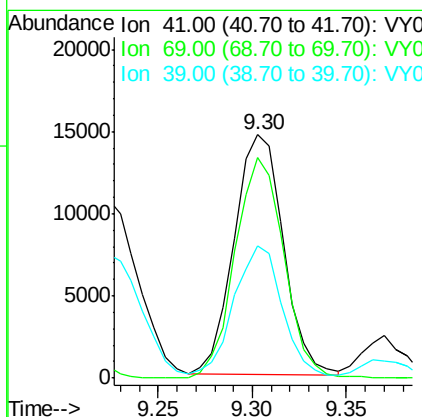
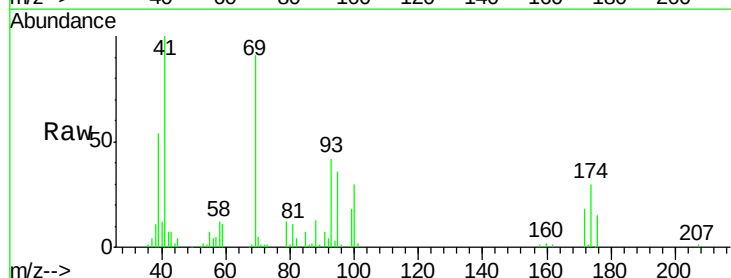
Manual Integrations
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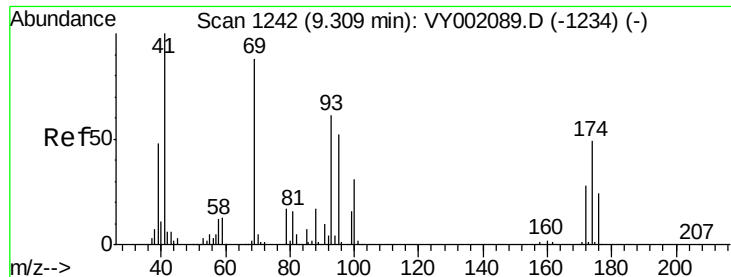
MMDadoda
4/6/2020 11:28:38 AM



#48
Methyl methacrylate
Concen: 20.393 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	41	Resp	26468
Ion Ratio	100	Lower	Upper
41	100		
69	91.2	71.4	107.0
39	52.3	41.0	61.4





#49

1,4-Dioxane

Concen: 423.759 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

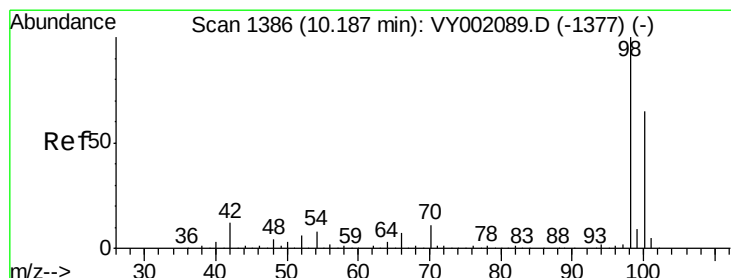
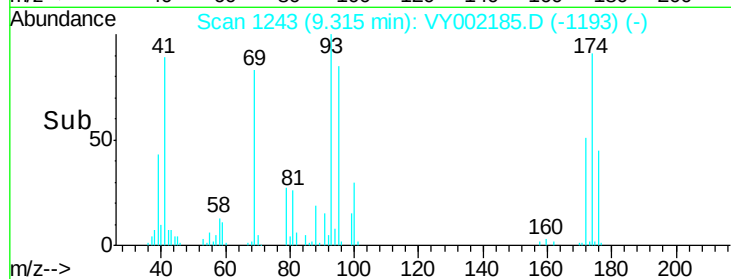
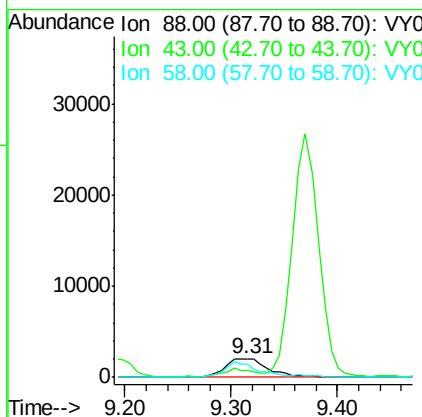
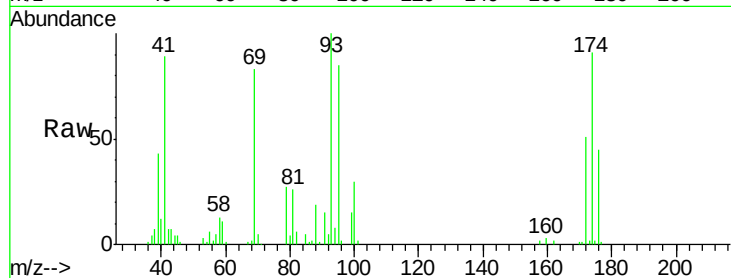
ClientSampleId :

VY0402SBSD01

Tot Ion	88	Resp	5816
Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.2	40.8
58	65.9	59.8	89.8

Manual Integrations
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#50

Toluene-d8

Concen: 49.617 ug/l

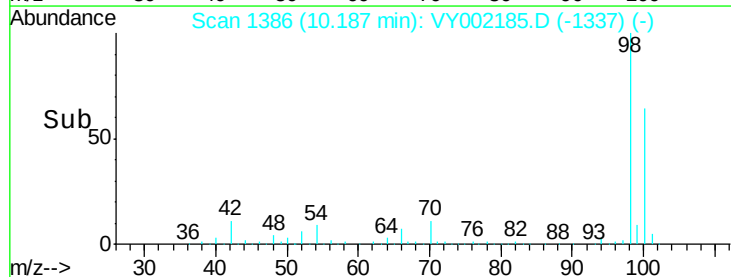
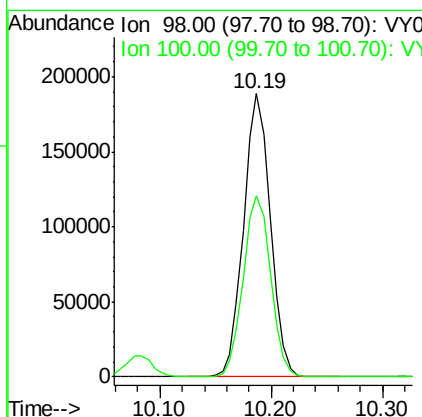
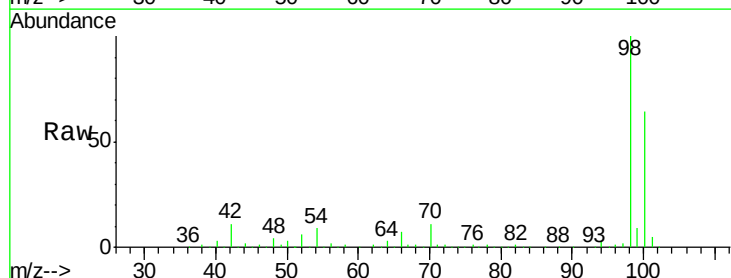
RT: 10.19 min Scan# 1386

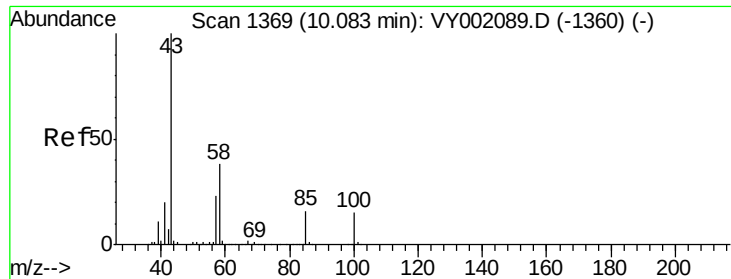
Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion	98	Resp	315293
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.6	77.4





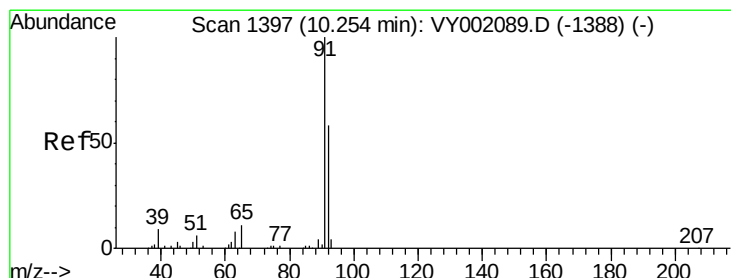
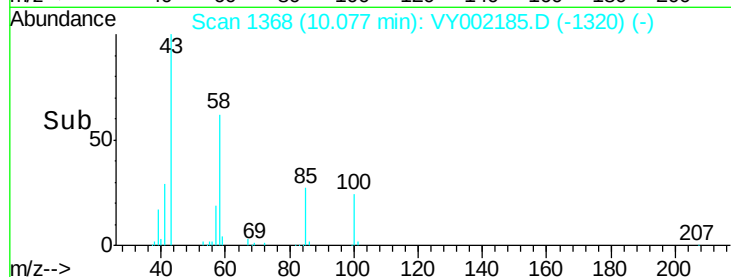
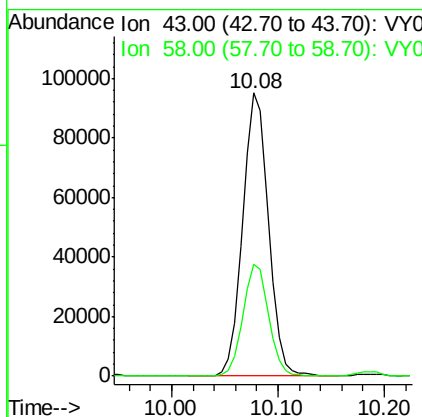
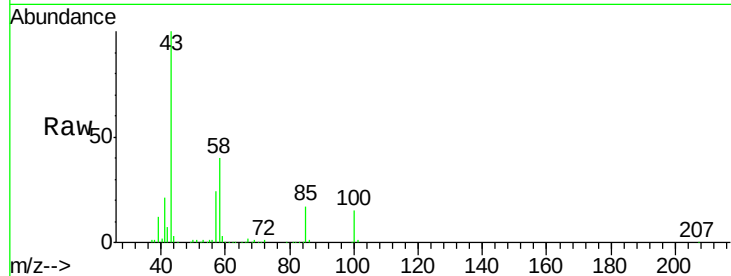
#51
 4-Methyl-2-Pentanone
 Concen: 108.745 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion: 43 Resp: 162172
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.6 47.4

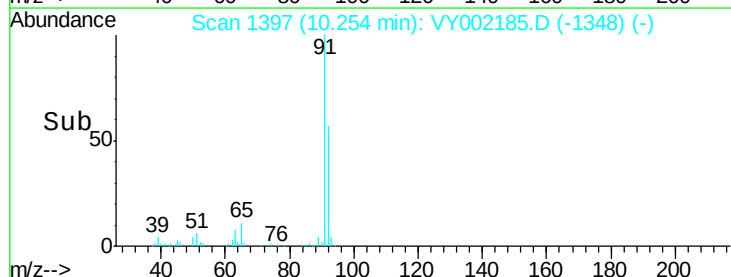
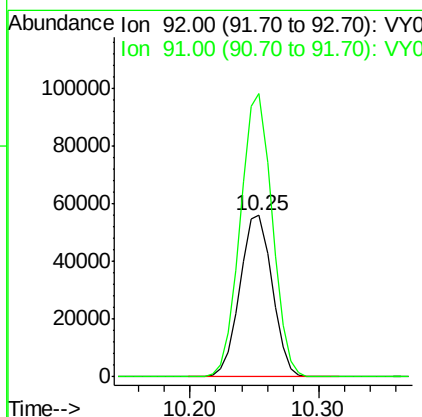
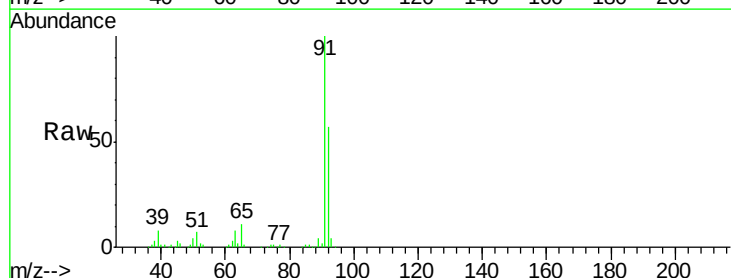
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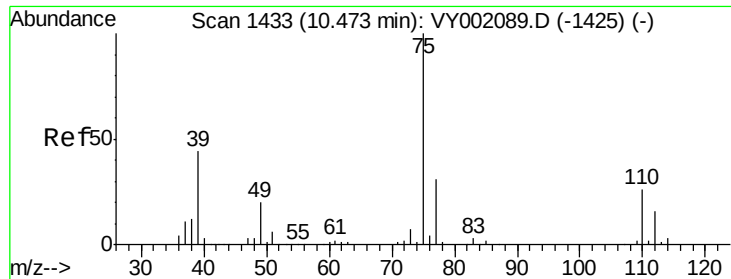
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 4/6/2020 11:28:38 AM



#52
 Toluene
 Concen: 21.045 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion: 92 Resp: 97360
 Ion Ratio Lower Upper
 92 100
 91 172.7 139.3 208.9





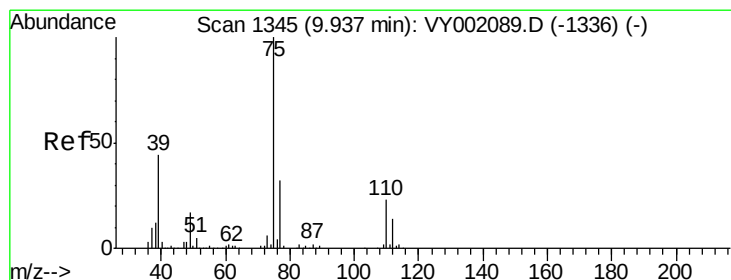
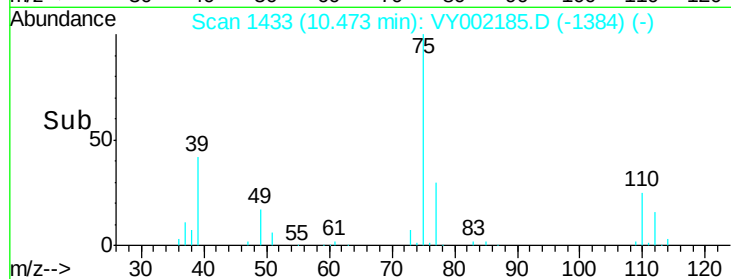
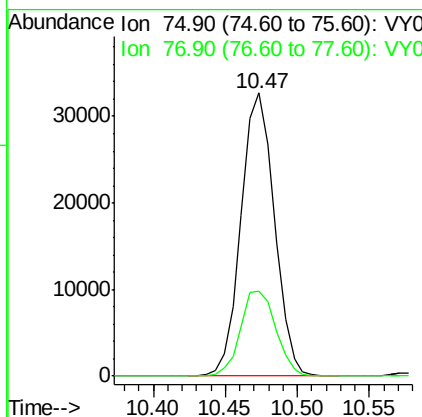
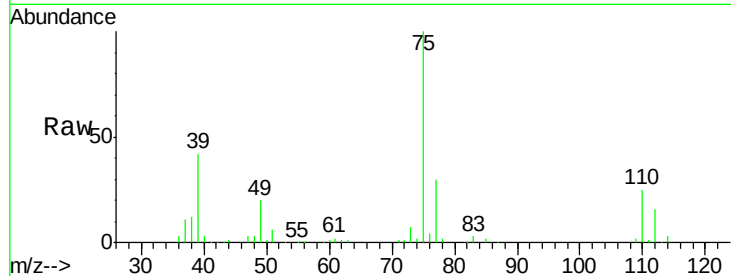
#53
t-1,3-Dichloropropene
Concen: 20.380 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion: 75 Resp: 52669
Ion Ratio Lower Upper
75 100
77 30.2 25.2 37.8

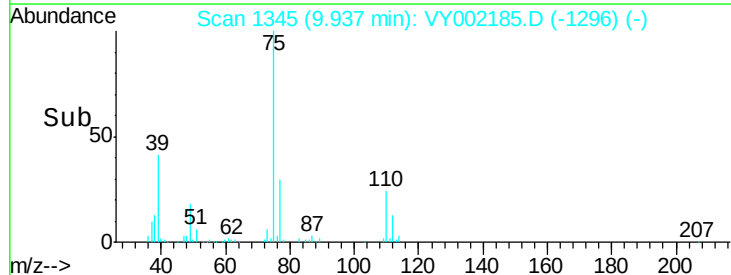
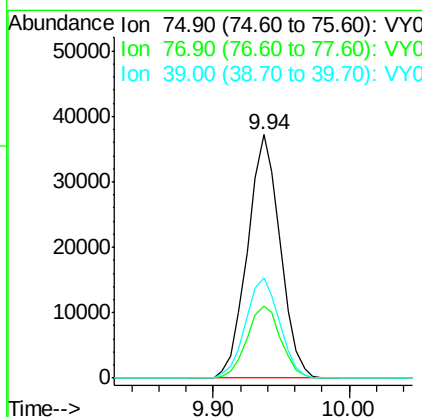
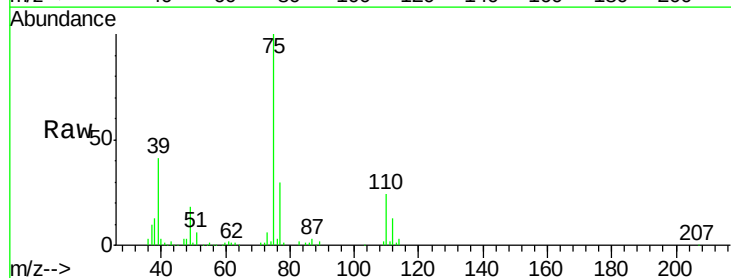
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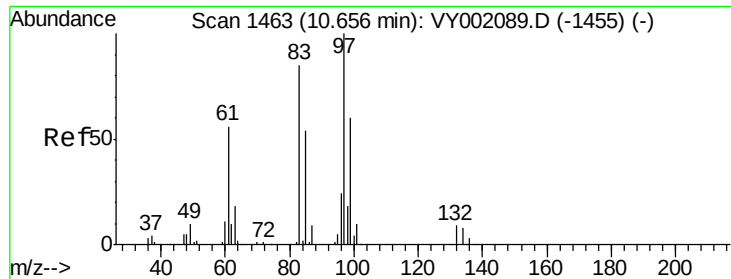
MMDadoda
4/6/2020 11:28:38 AM



#54
cis-1,3-Dichloropropene
Concen: 20.607 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion: 75 Resp: 62699
Ion Ratio Lower Upper
75 100
77 29.5 25.6 38.4
39 41.1 35.2 52.8





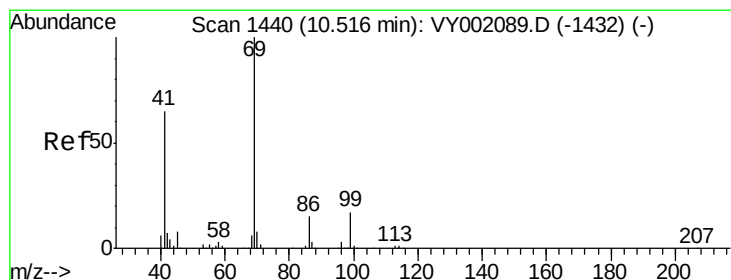
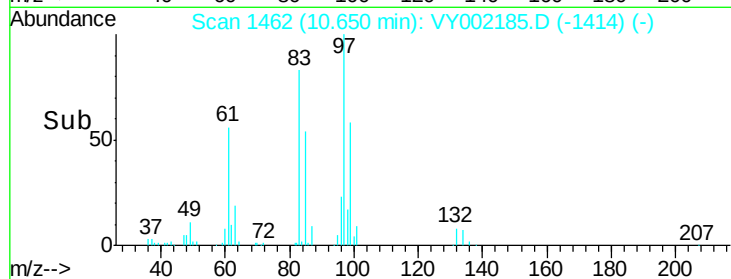
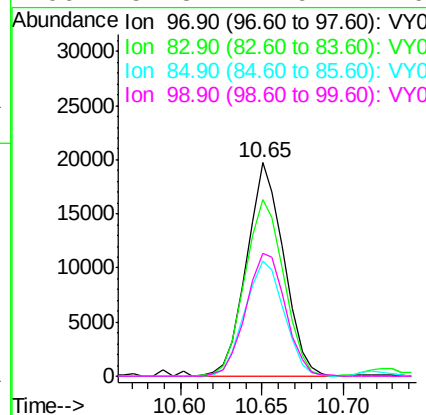
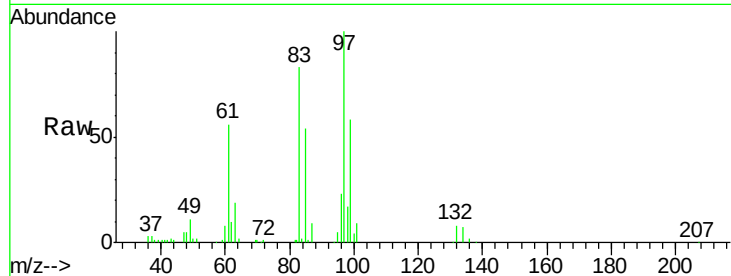
#55
 1,1,2-Trichloroethane
 Concen: 21.205 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion:	97	Resp:	31390
Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.2
85	54.1	42.9	64.3
99	57.8	47.9	71.9

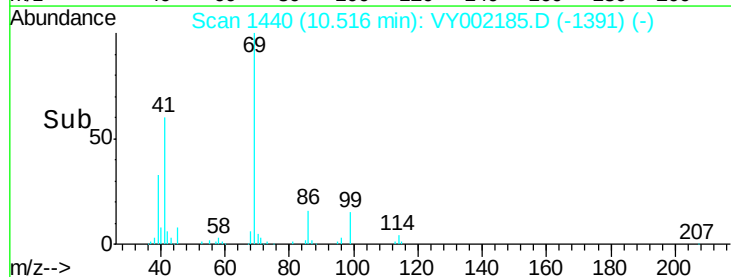
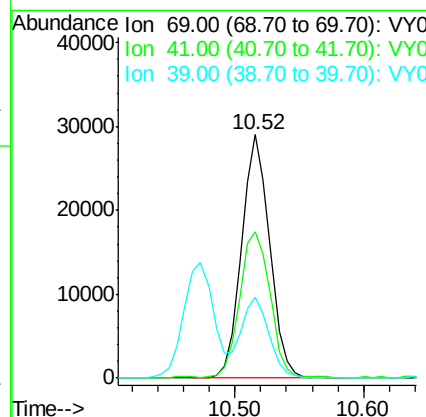
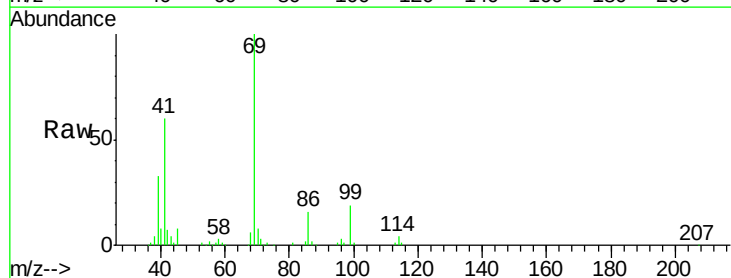
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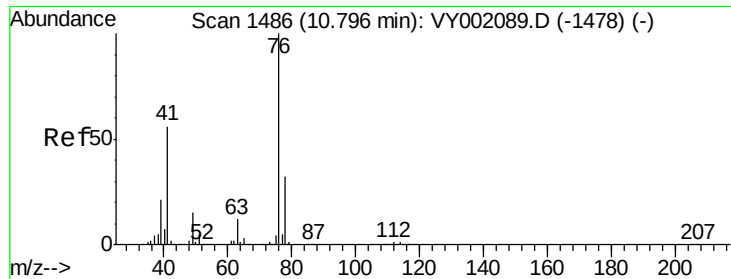
MMDadoda
 4/6/2020 11:28:38 AM



#56
 Ethyl methacrylate
 Concen: 20.224 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion:	69	Resp:	43725
Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.8	79.2
39	34.7	25.0	37.6





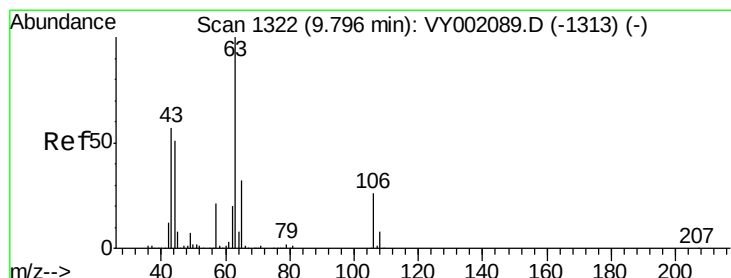
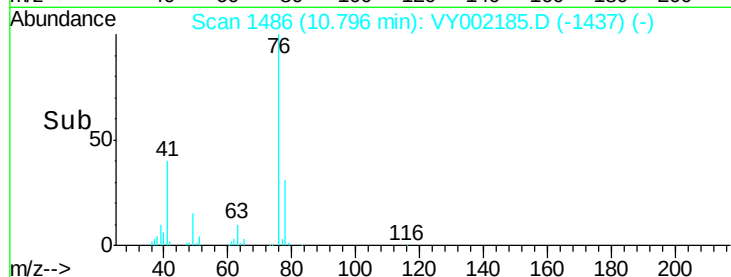
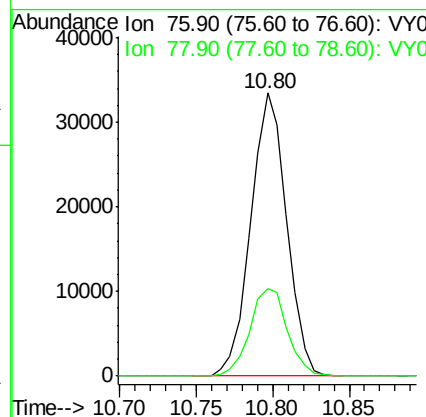
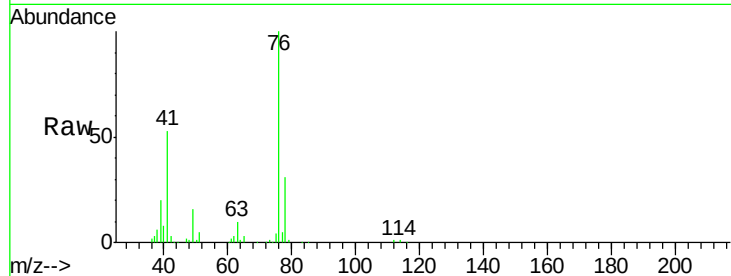
#57
 1,3-Dichloropropane
 Concen: 20.808 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion: 76 Resp: 54420
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

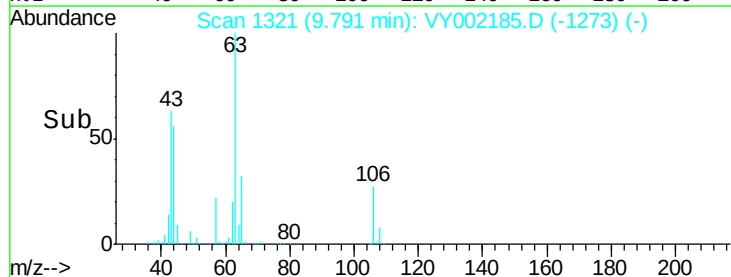
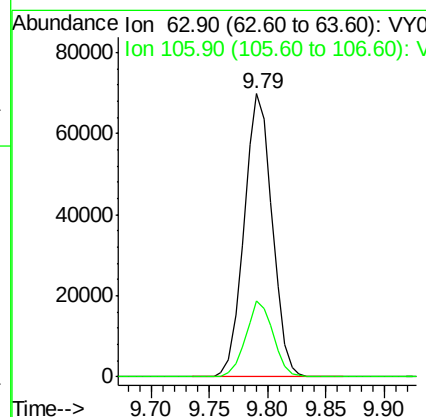
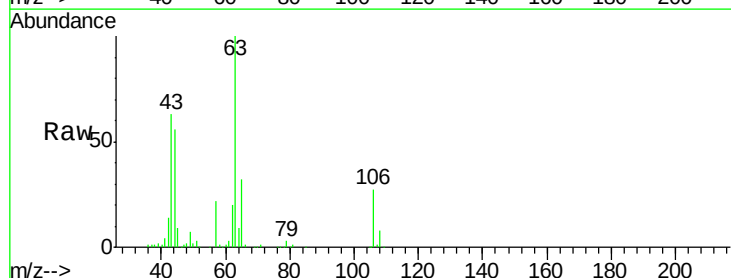
Manual Integrations
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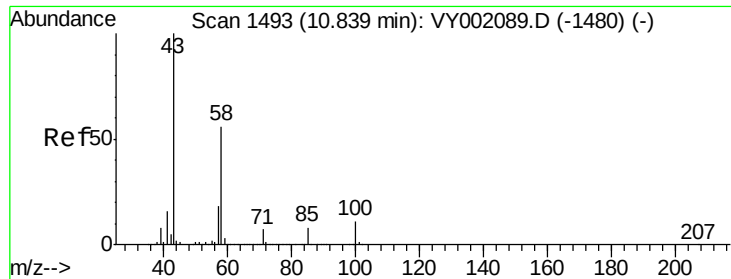
MMDadoda
 4/6/2020 11:28:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.561 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion: 63 Resp: 117275
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.0 31.4





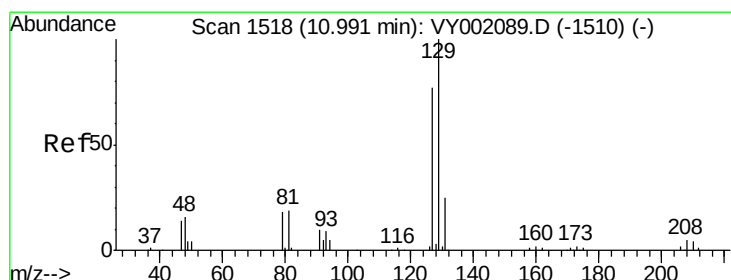
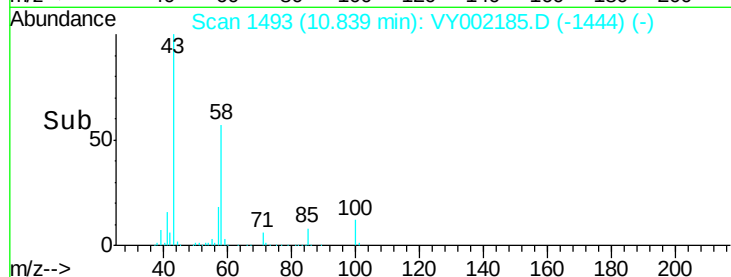
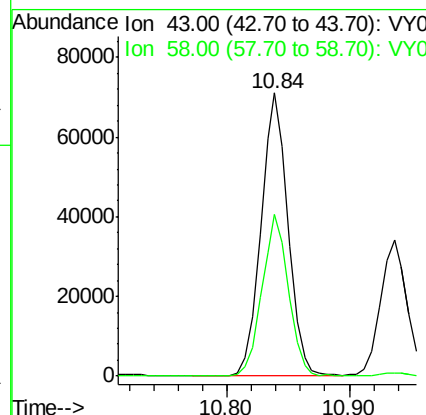
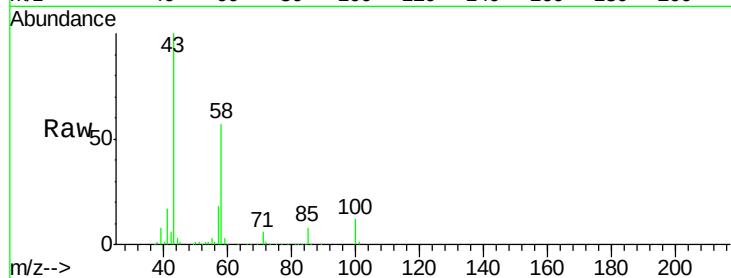
#59
2-Hexanone
Concen: 103.865 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	43	Resp	109111
Ion Ratio	43	100	
Lower	58	56.1	27.9
Upper			83.6

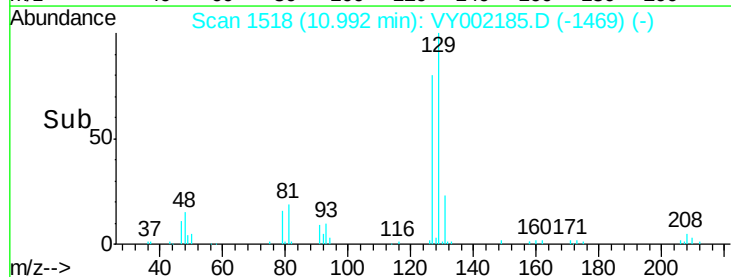
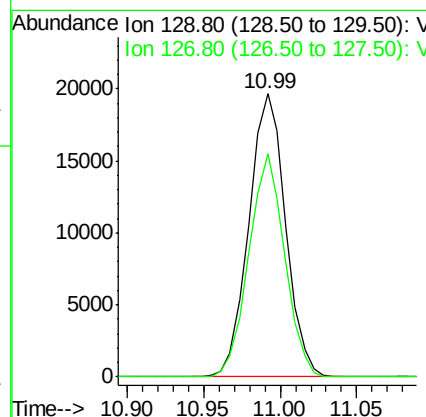
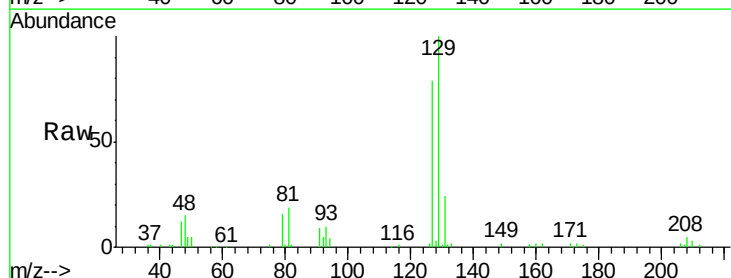
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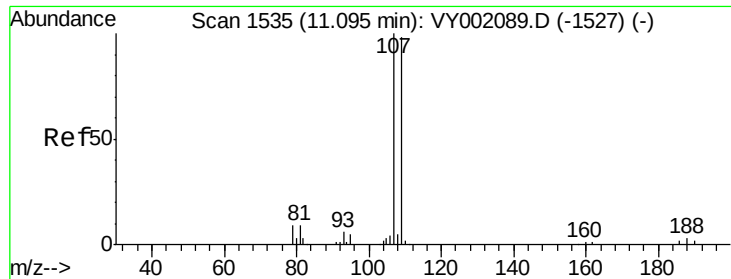
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4/6/2020 11:28:38 AM



#60
Dibromochloromethane
Concen: 21.169 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	129	Resp	32791
Ion Ratio	129	100	
Lower	127	76.8	38.7
Upper			116.1





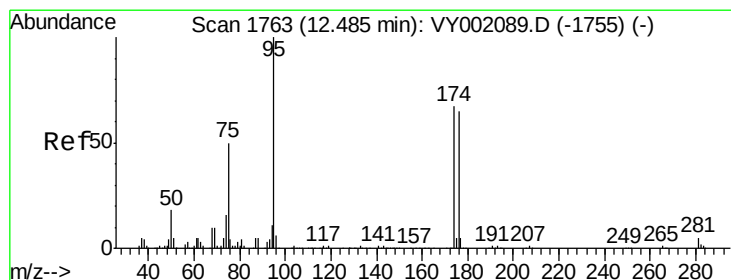
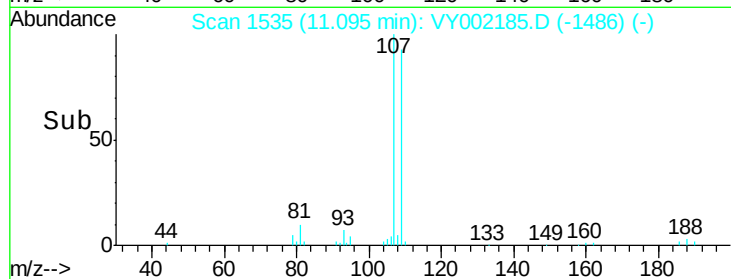
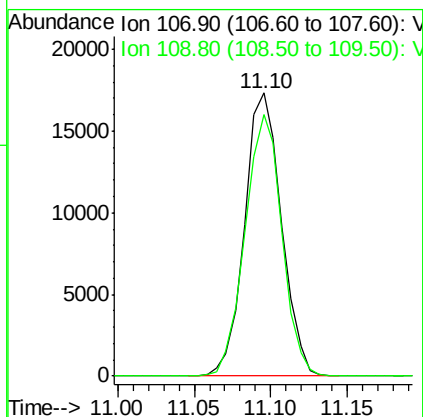
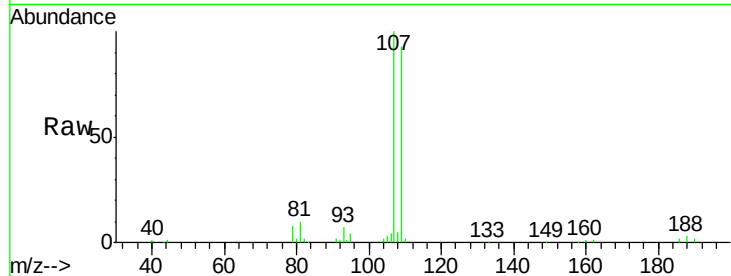
#61
 1,2-Dibromoethane
 Concen: 20.970 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	29055		
109	92.4	76.3	114.5	

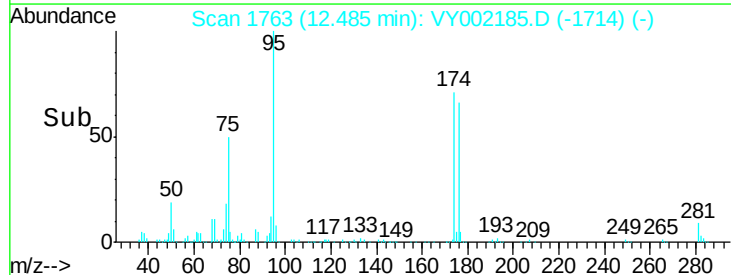
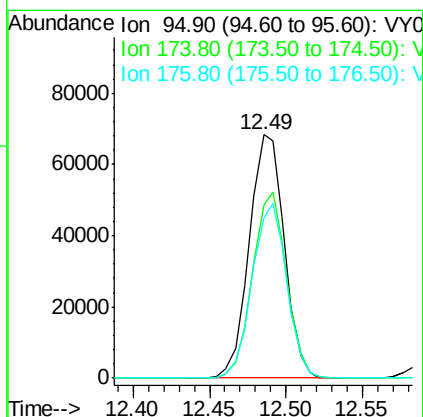
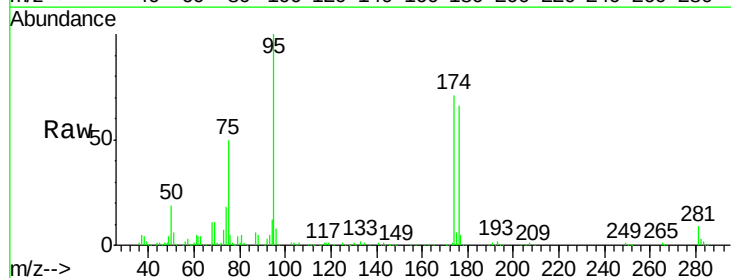
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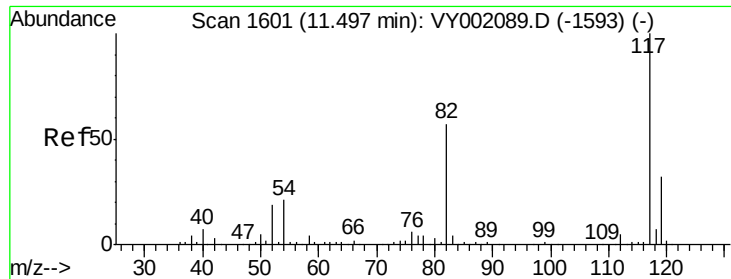
MMDadoda
 4/6/2020 11:28:38 AM



#62
 4-Bromofluorobenzene
 Concen: 48.913 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	108704		
174	74.2	0.0	143.4	
176	70.8	0.0	137.0	





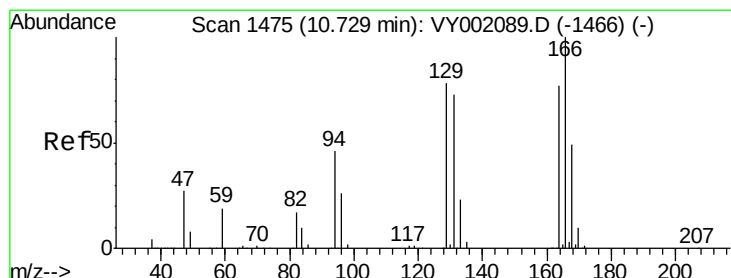
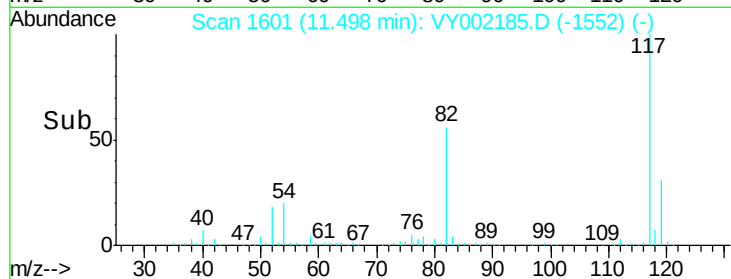
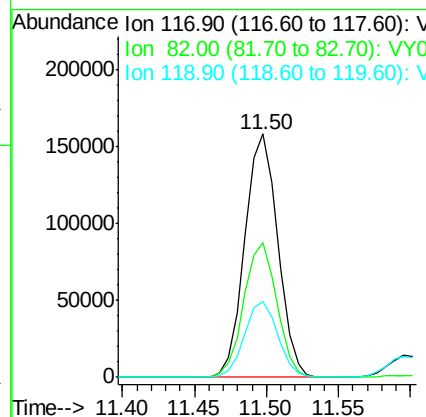
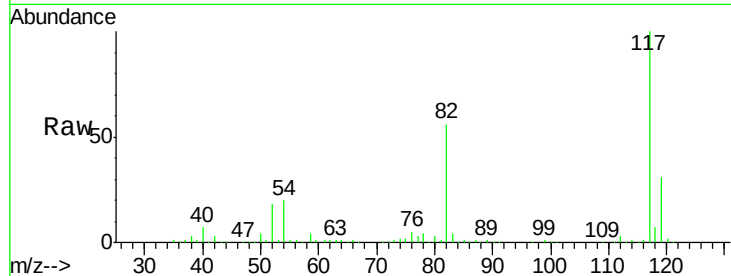
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	31.4	25.3	37.9

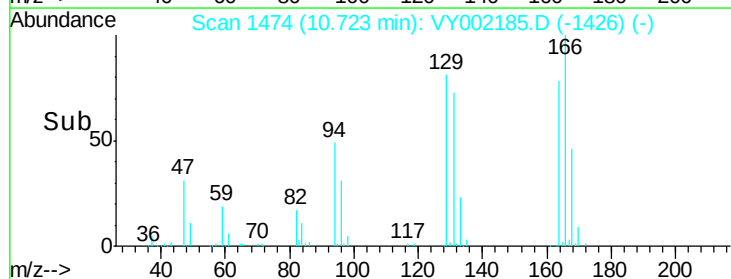
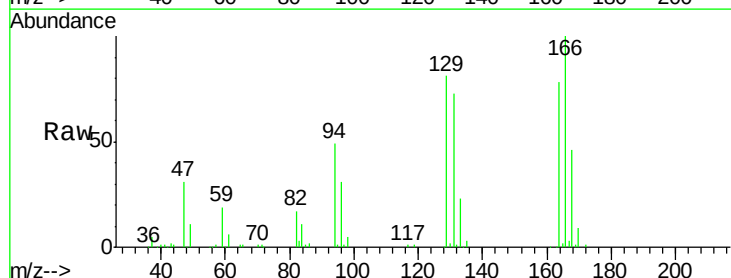
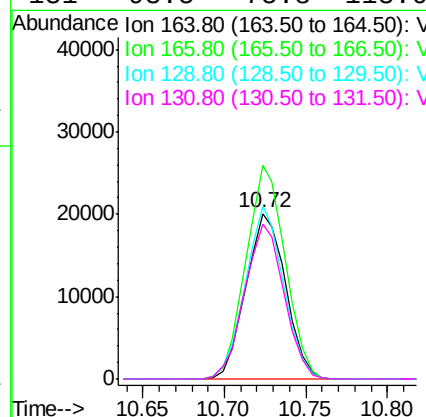
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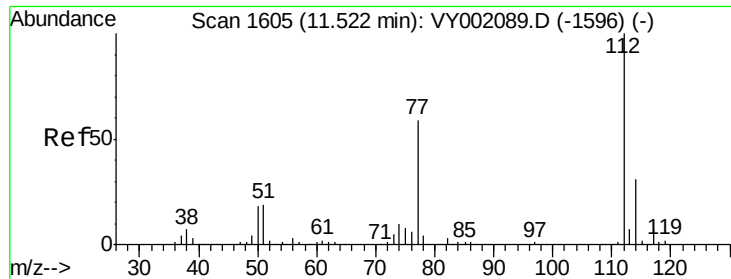
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#64
Tetrachloroethene
Concen: 22.177 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.0	156.0
129	104.0	81.2	121.8
131	93.5	75.8	113.6





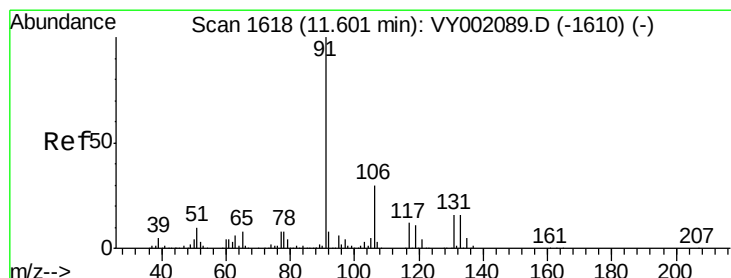
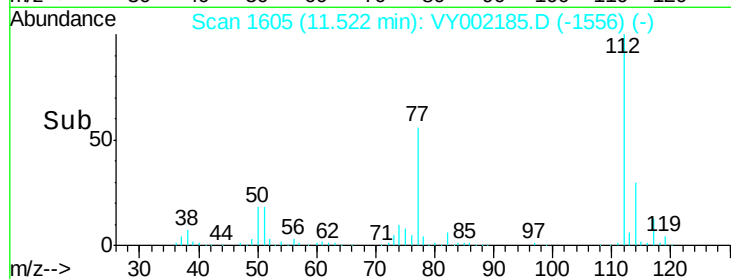
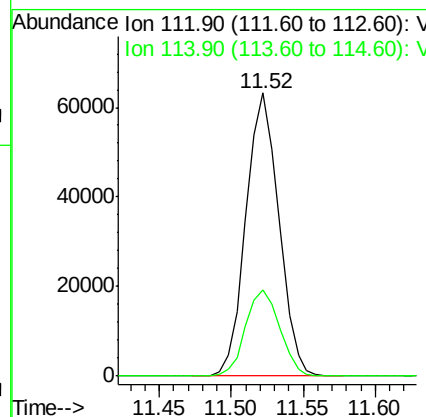
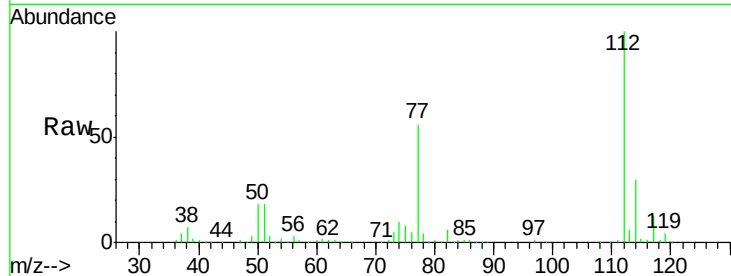
#65
Chlorobenzene
Concen: 20.703 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.9	37.3

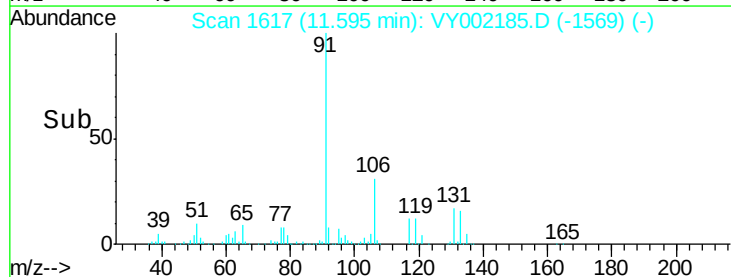
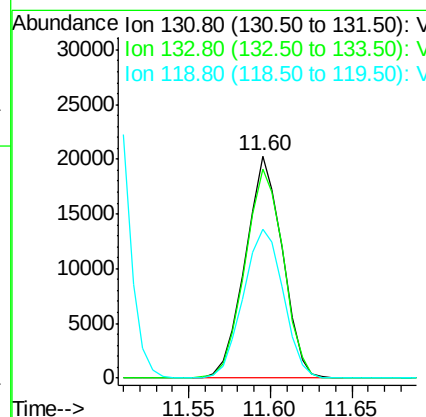
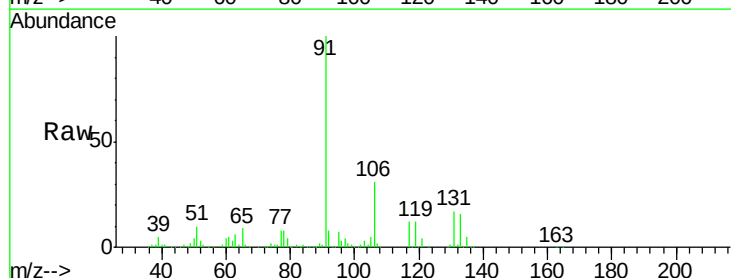
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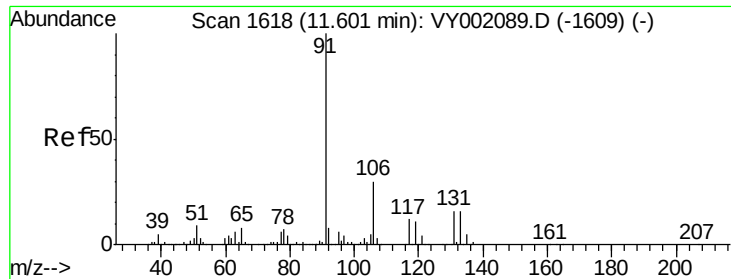
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.952 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.5	142.5
119	72.2	34.6	103.9





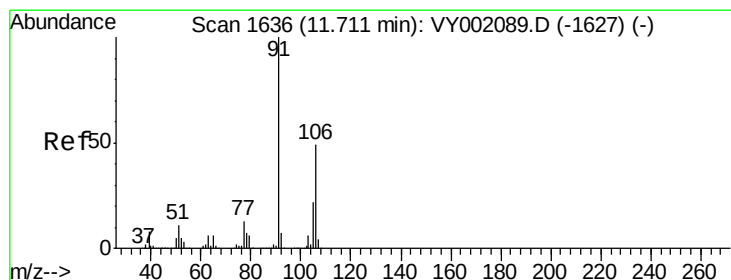
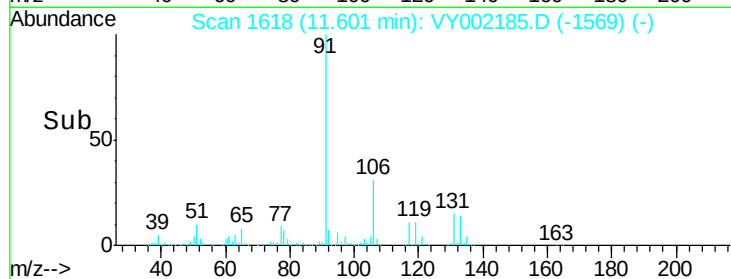
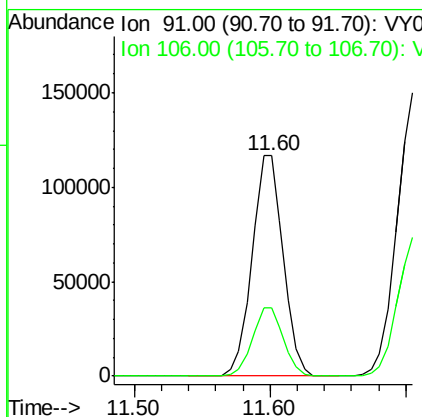
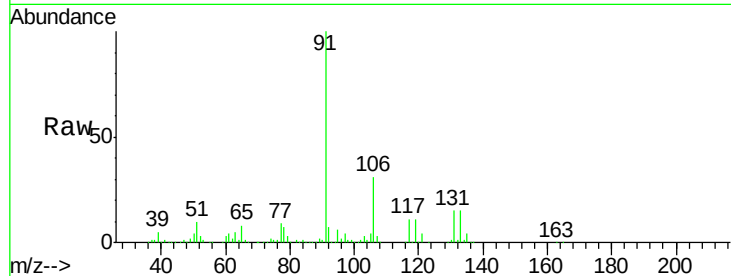
#67
Ethyl Benzene
Concen: 20.763 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		186481		
106	31.3	24.1	36.1		

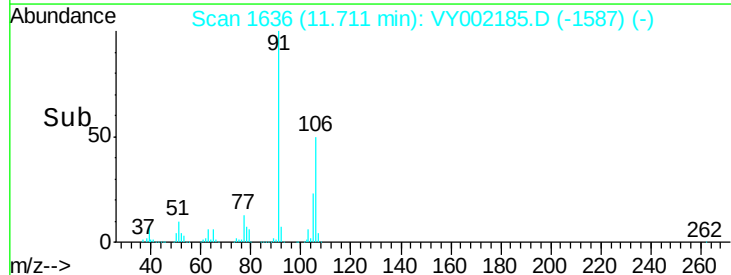
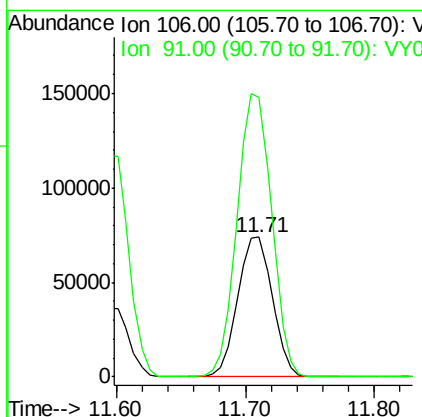
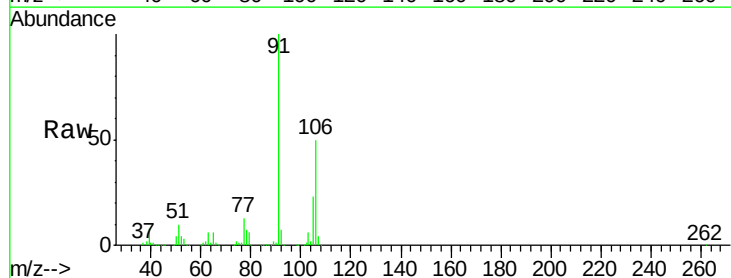
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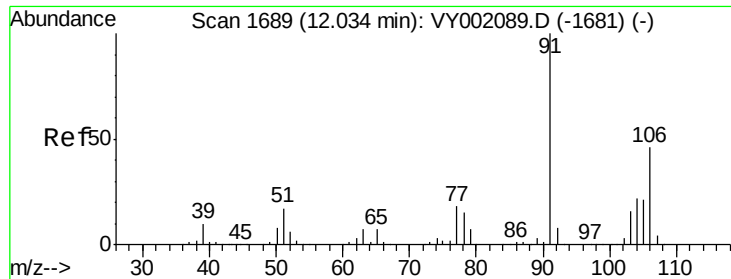
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#68
m/p-Xylenes
Concen: 41.538 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		137933		
91	202.5	162.8	244.2		





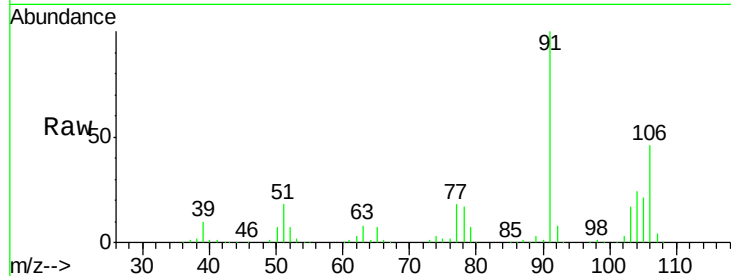
#69
o-Xylene
Concen: 20.587 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

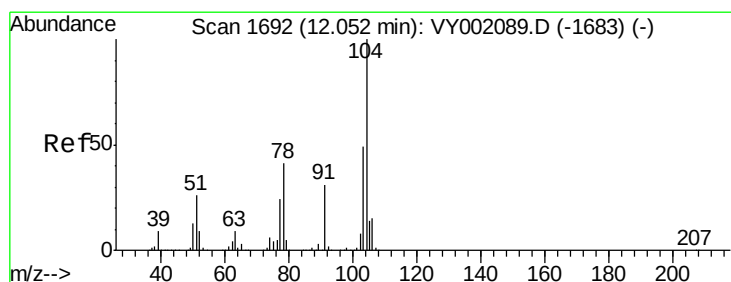
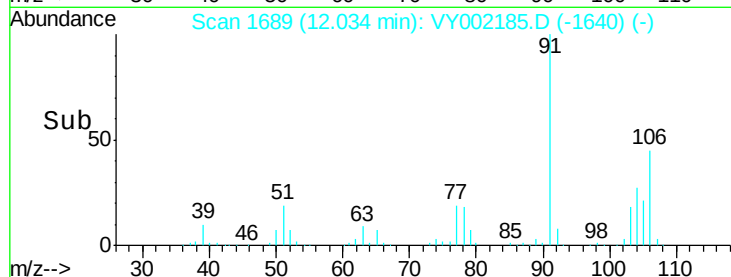
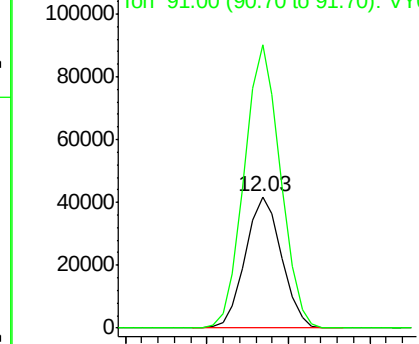
Tot Ion:106 Resp: 64849
Ion Ratio Lower Upper
106 100
91 214.5 107.3 321.8

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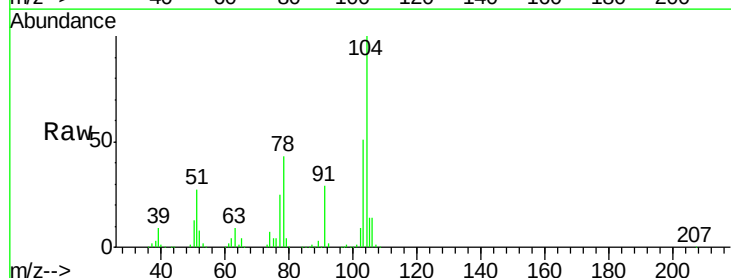


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

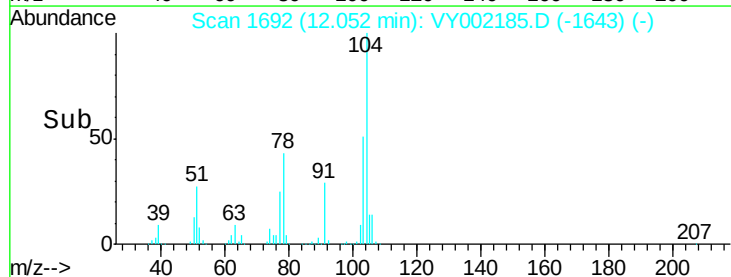
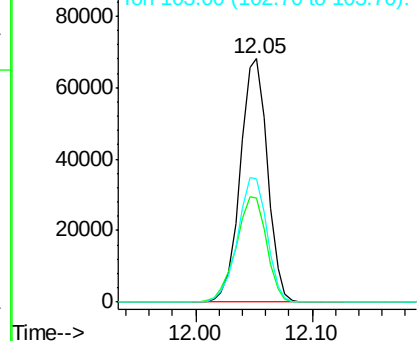


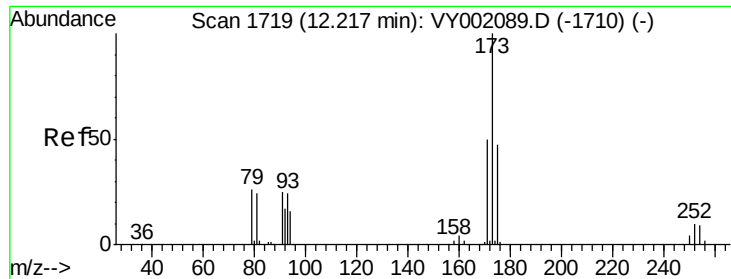
#70
Styrene
Concen: 20.317 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion:104 Resp: 110899
Ion Ratio Lower Upper
104 100
78 48.6 37.9 56.9
103 55.1 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.339 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

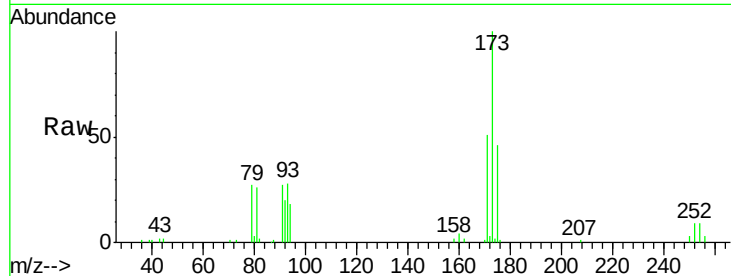
ClientSampleId :

VY0402SBSD01

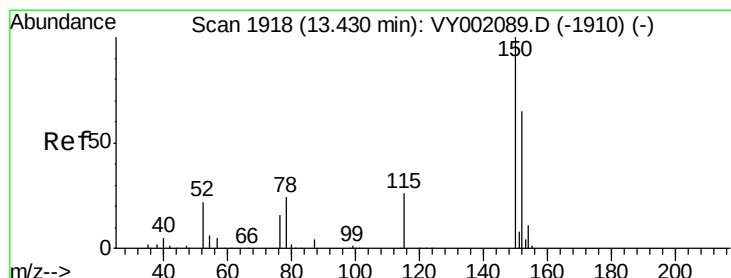
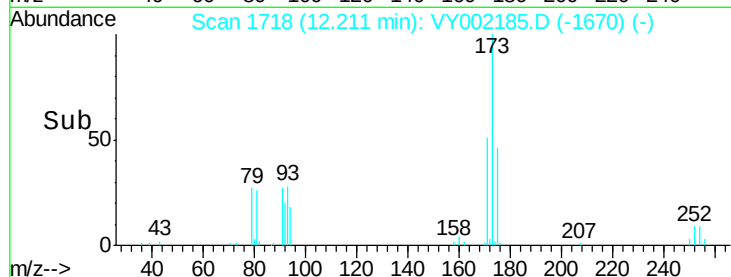
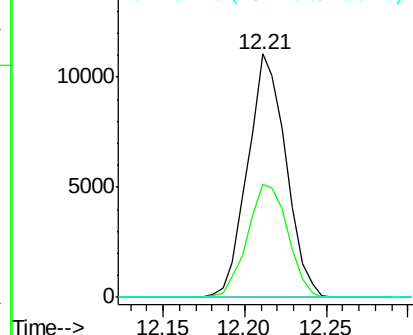
Tot Ion:	173	Resp:	18022
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

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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

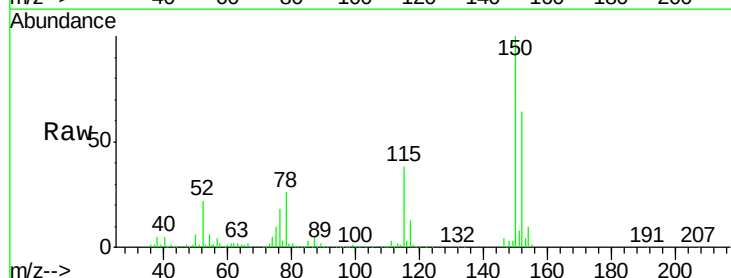
RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

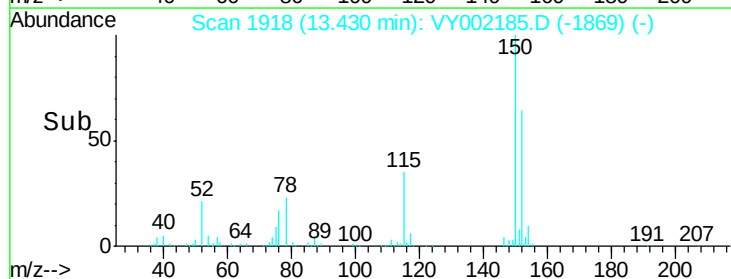
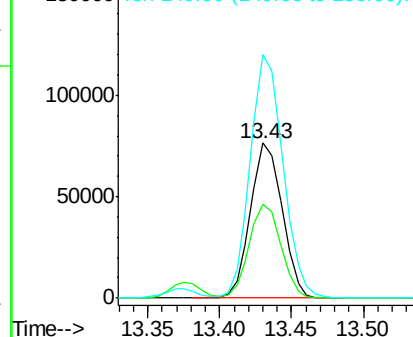
Lab File: VY002185.D

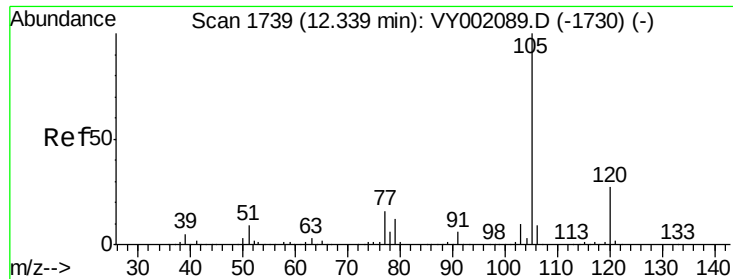
Acq: 02 Apr 2020 12:40

Tgt Ion:	152	Resp:	116553
Ion Ratio	Lower	Upper	
152	100		
115	60.7	31.2	93.6
150	162.7	0.0	354.8



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





#73

Isopropylbenzene

Concen: 20.372 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion:105 Resp: 176132

Ion Ratio Lower Upper

105 100

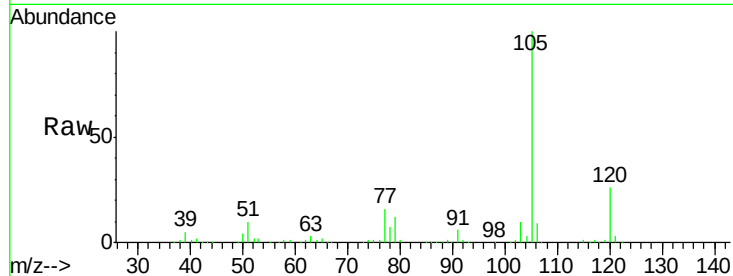
120 26.7 13.3 39.8

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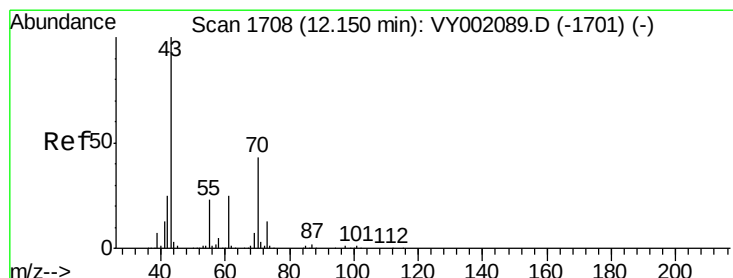
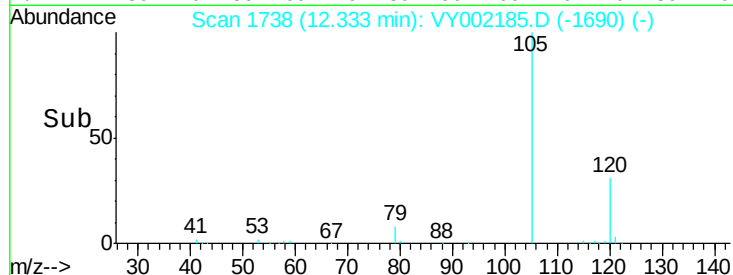
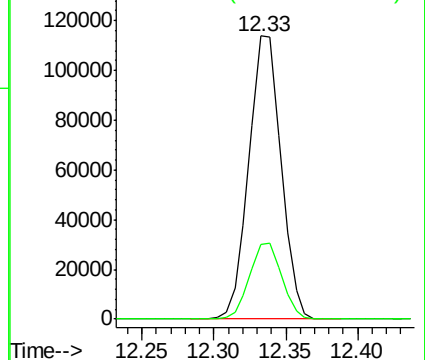
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.936 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion: 43 Resp: 54363

Ion Ratio Lower Upper

43 100

70 43.4 35.0 52.4

55 22.7 18.7 28.1

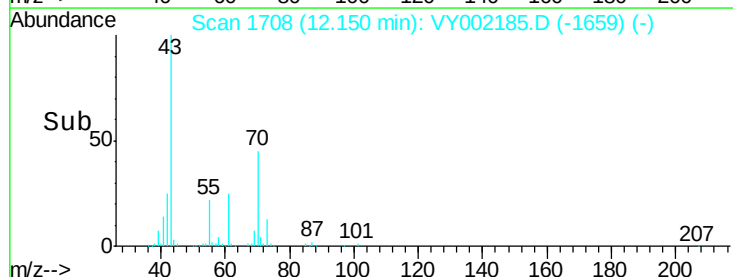
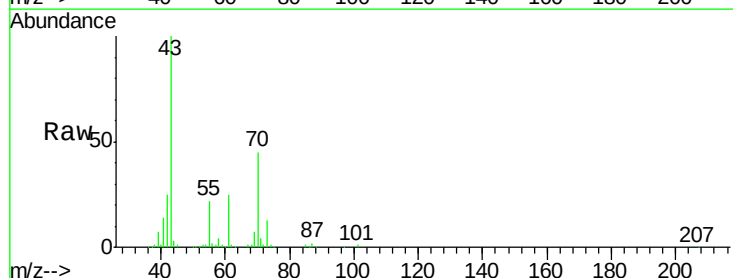
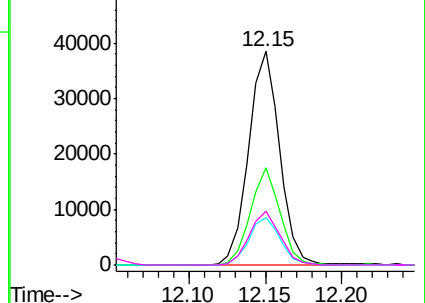
61 25.3 20.2 30.2

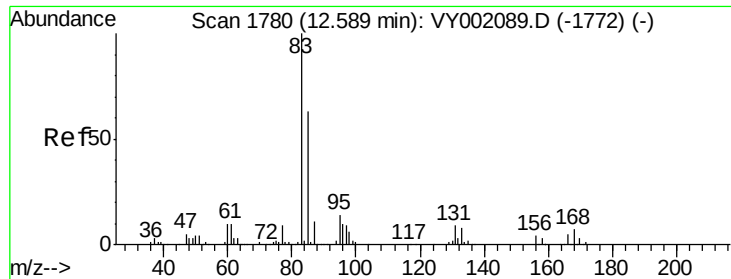
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.439 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

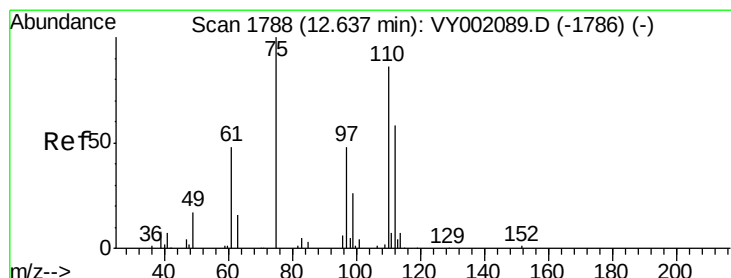
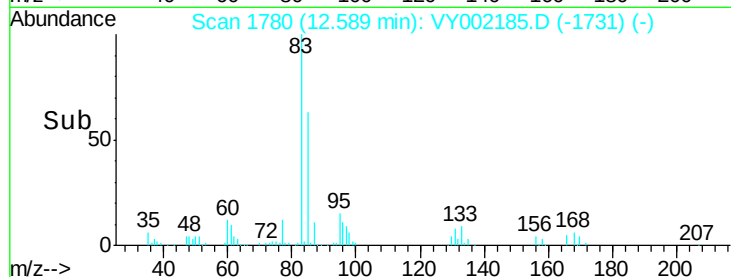
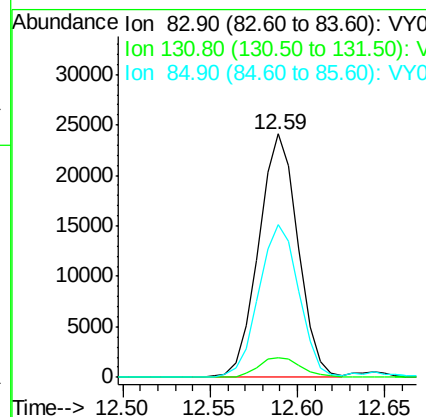
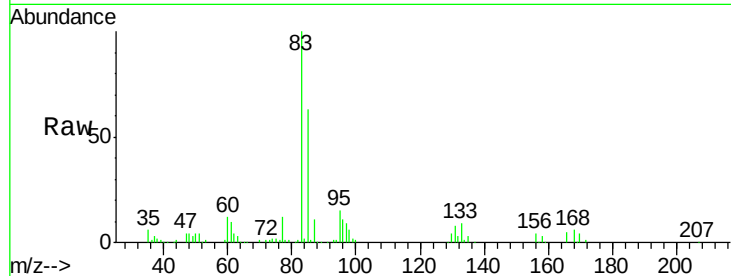
ClientSampleId :

VY0402SBSD01

Tot Ion:	83	Resp:	38027
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	63.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 20.801 ug/l m

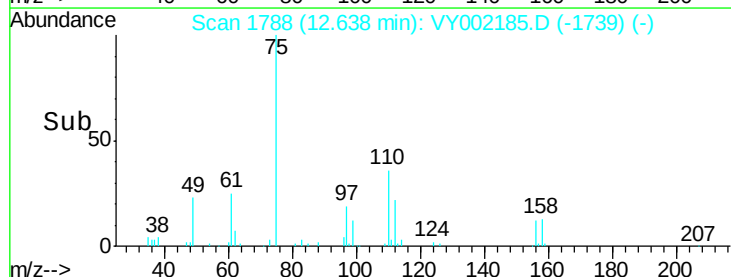
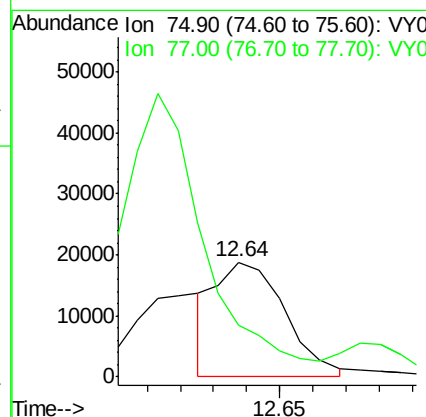
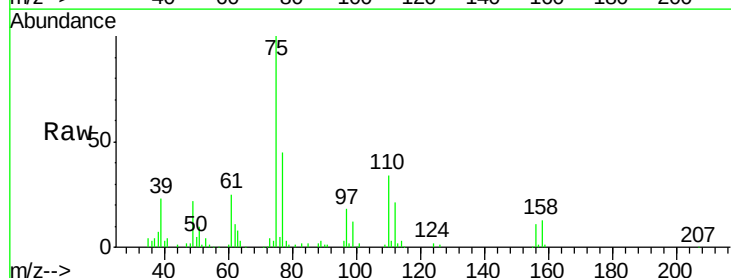
RT: 12.64 min Scan# 1788

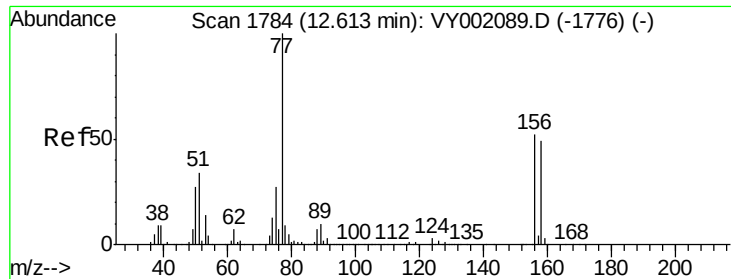
Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	75	Resp:	27119
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





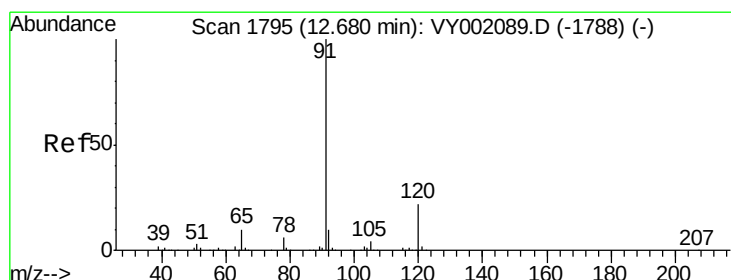
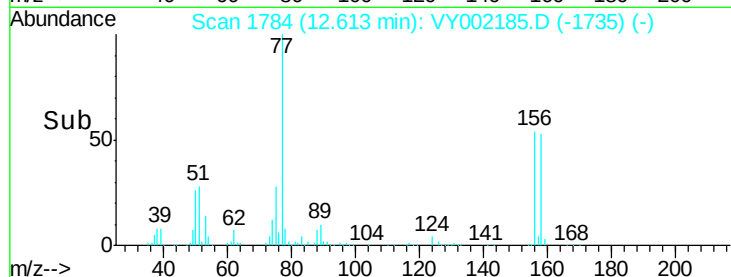
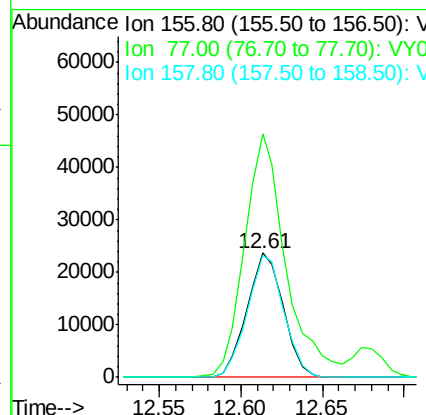
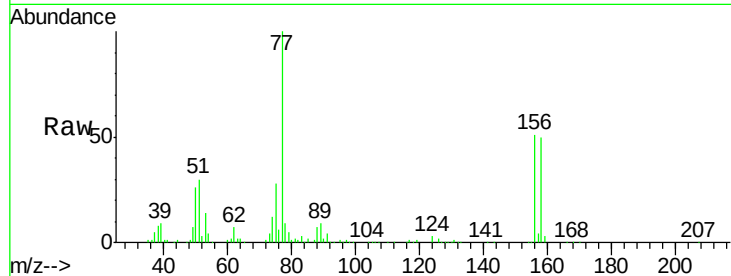
#77
Bromobenzene
Concen: 20.029 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.1	107.8	323.6
158	98.4	47.5	142.6

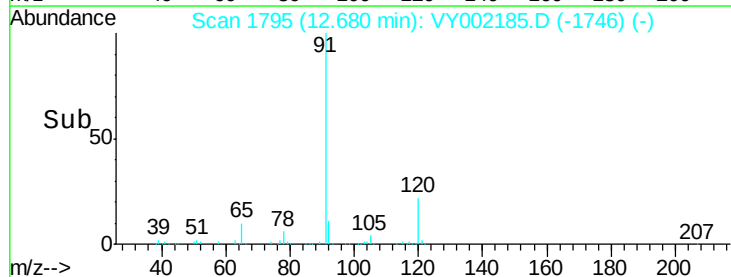
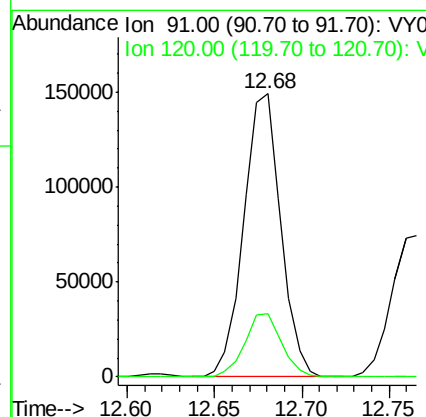
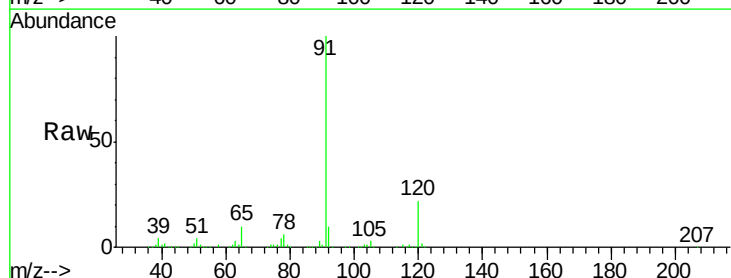
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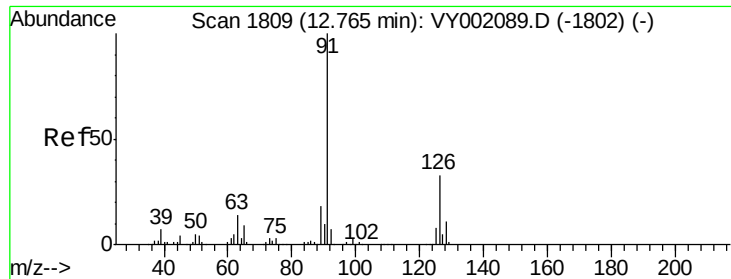
MMDadoda
4/6/2020 11:28:38 AM



#78
n-propylbenzene
Concen: 20.432 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.372 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBSD01

Tot Ion: 91 Resp: 120014

Ion Ratio Lower Upper

91 100

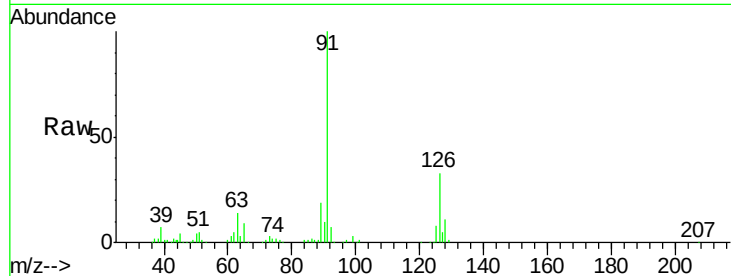
126 33.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VY002185.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY002185.D (-1760) (-)

100000

80000

60000

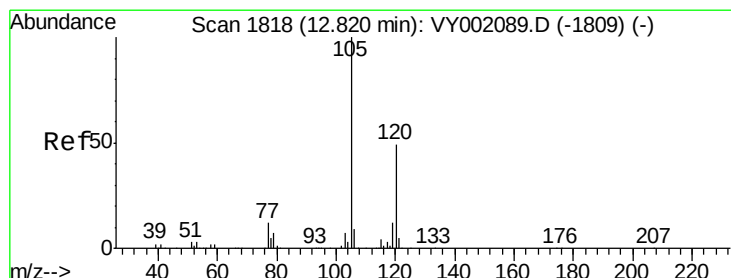
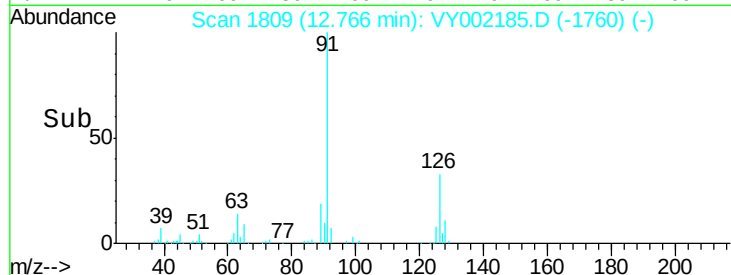
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.607 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002185.D

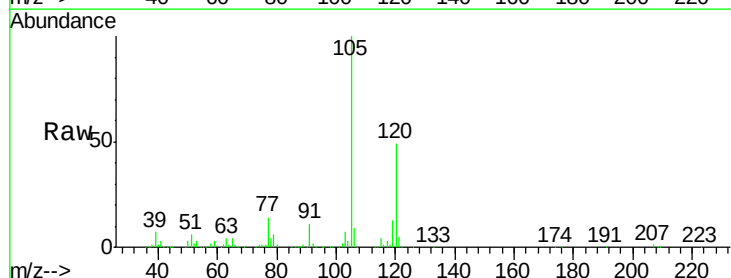
Acq: 02 Apr 2020 12:40

Tgt Ion: 105 Resp: 146993

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002185.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY002185.D (-1769) (-)

100000

80000

60000

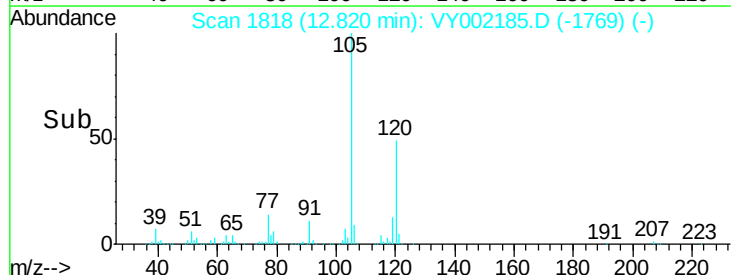
40000

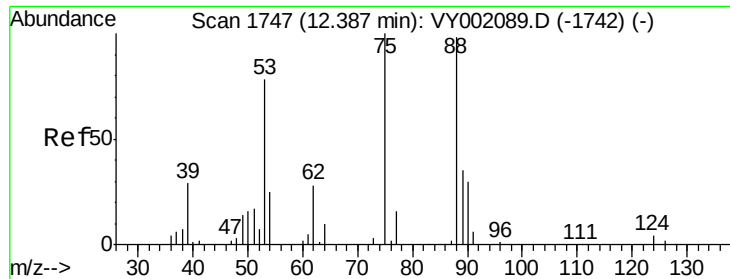
20000

0

12.75 12.80 12.85 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.159 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

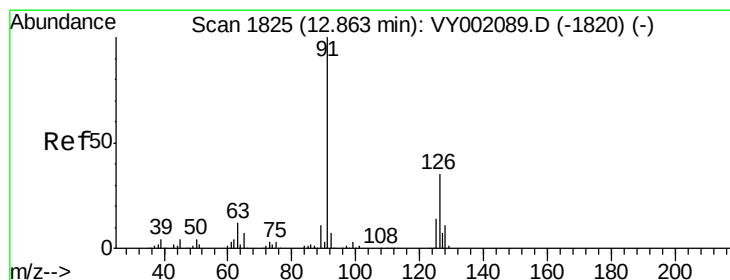
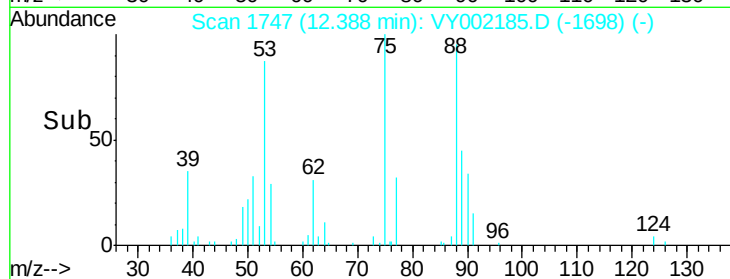
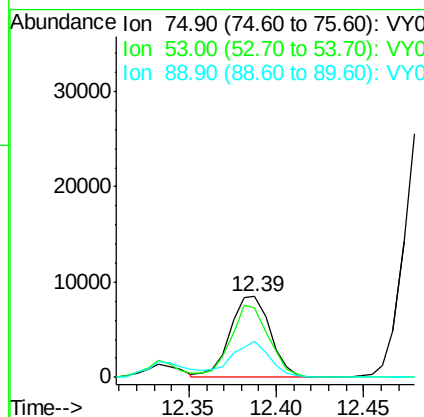
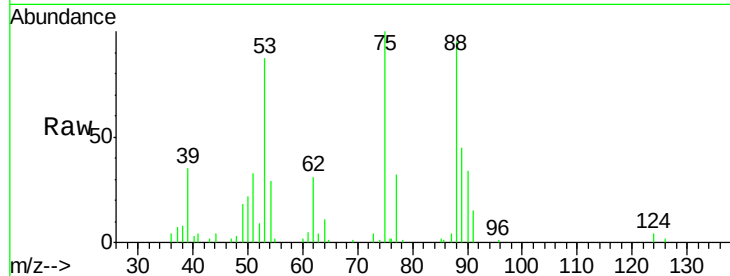
ClientSampleId :

VY0402SBSD01

Tot Ion:	75	Resp:	13566
Ion Ratio	Lower	Upper	
75	100		
53	84.0	65.0	97.4
89	43.2	33.4	50.0

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#82

4-Chlorotoluene

Concen: 20.458 ug/l

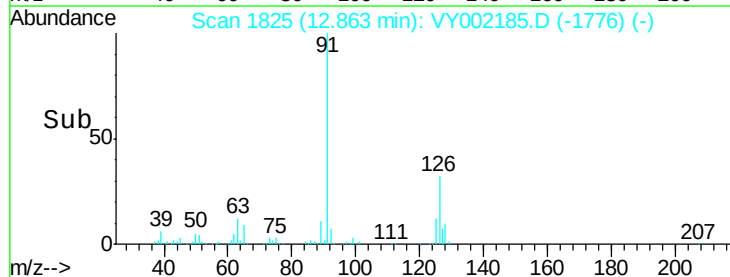
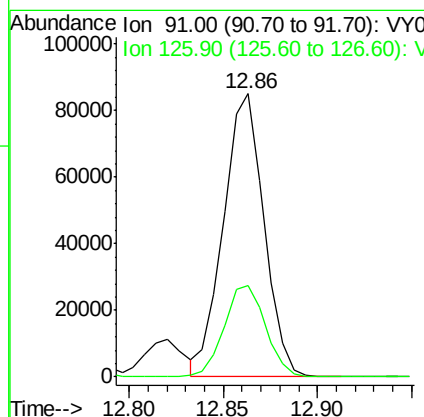
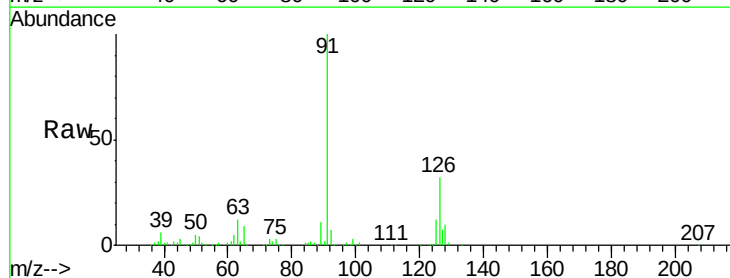
RT: 12.86 min Scan# 1825

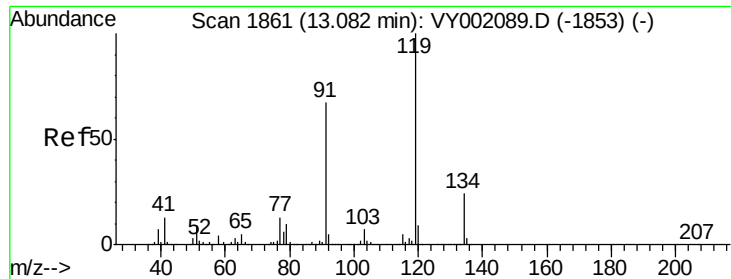
Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	91	Resp:	126997
Ion Ratio	Lower	Upper	
91	100		
126	33.3	16.3	48.9





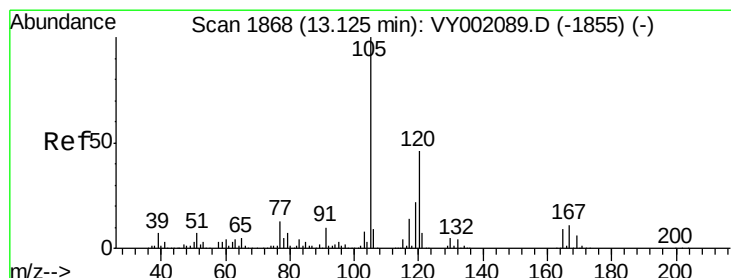
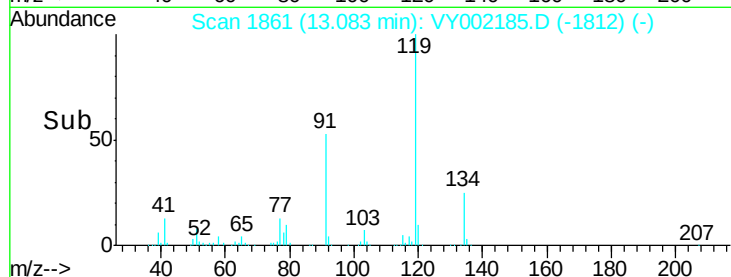
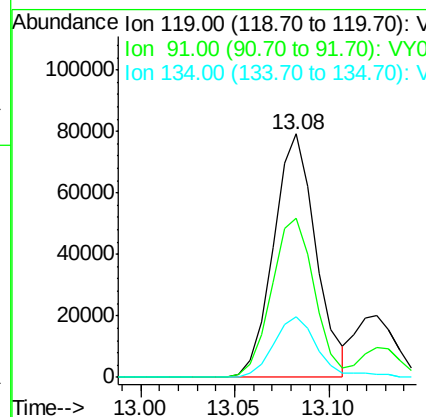
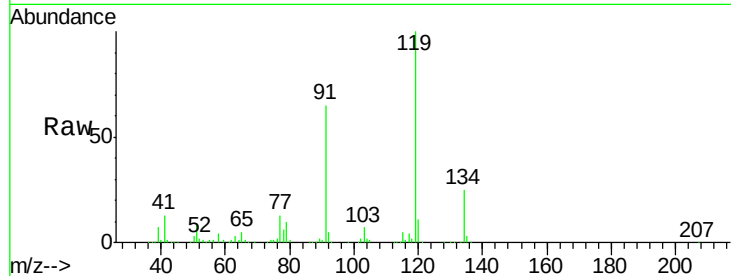
#83
 tert-Butylbenzene
 Concen: 20.757 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.6
134	26.2	13.0	38.9

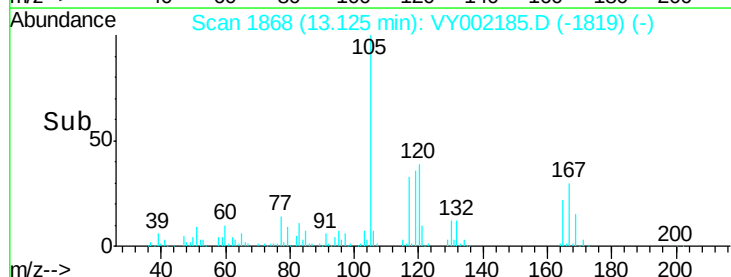
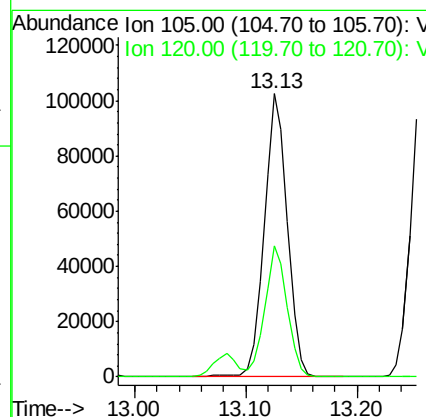
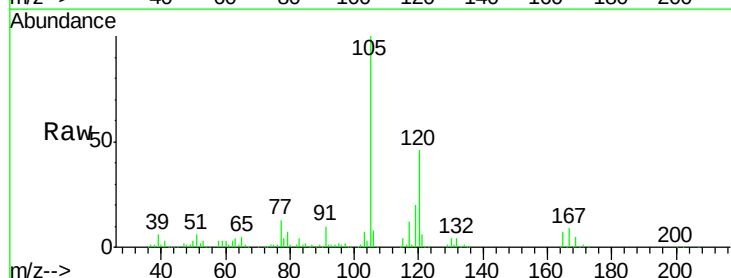
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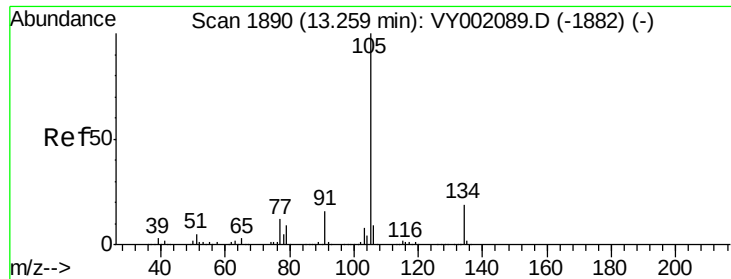
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.762 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 20.638 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion:105 Resp: 182006

Ion Ratio Lower Upper

105 100

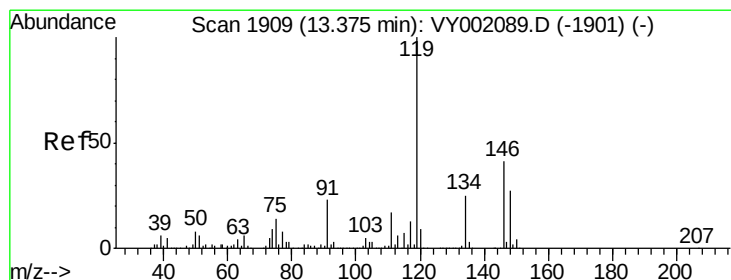
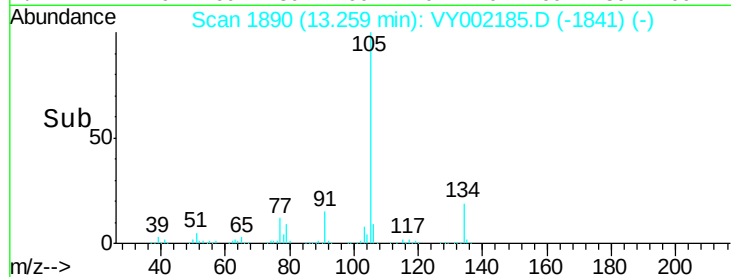
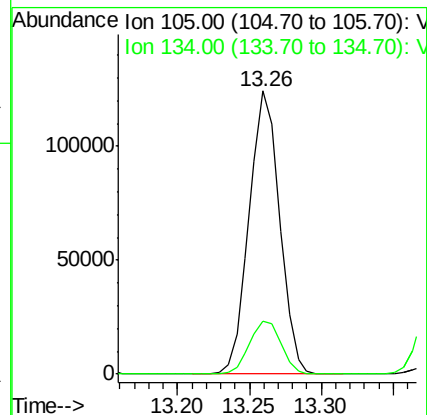
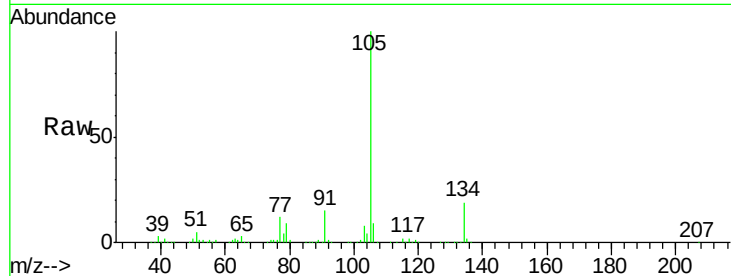
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.883 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

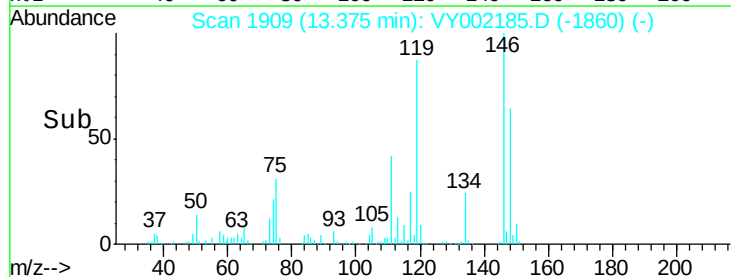
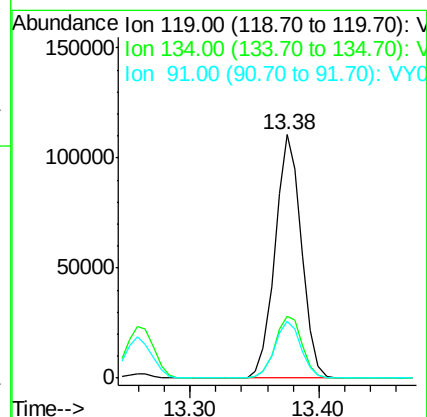
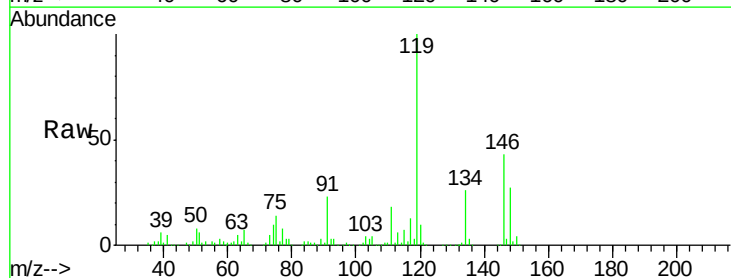
Tgt Ion:119 Resp: 158155

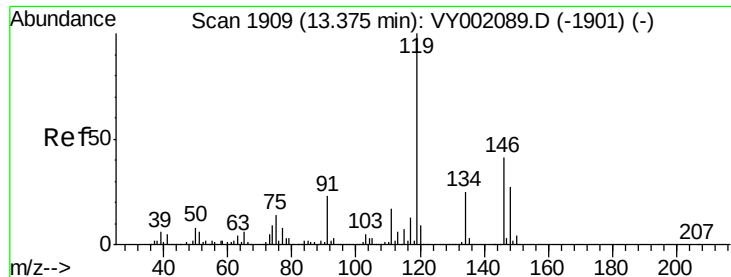
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.1 11.8 35.3





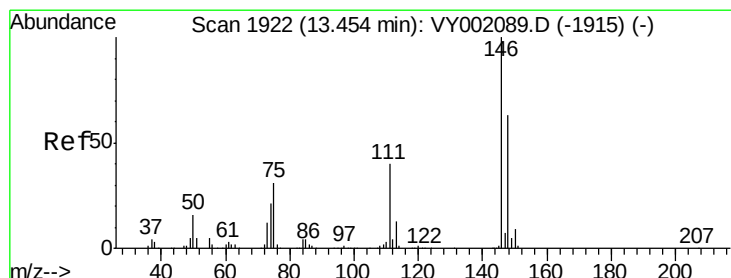
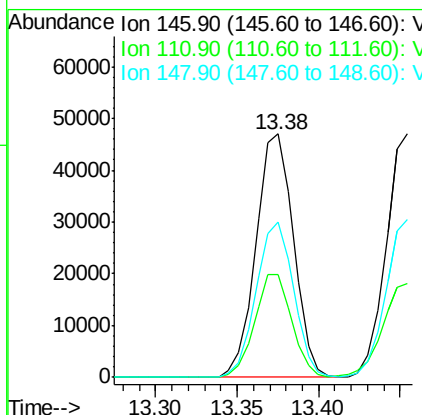
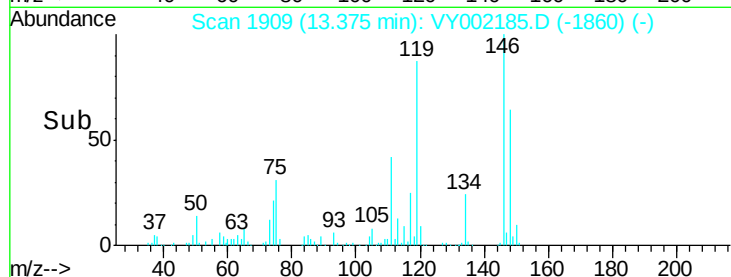
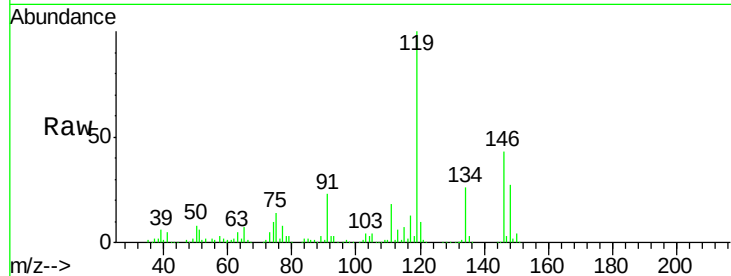
#87
 1,3-Dichlorobenzene
 Concen: 20.768 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.8
148	63.7	32.1	96.5

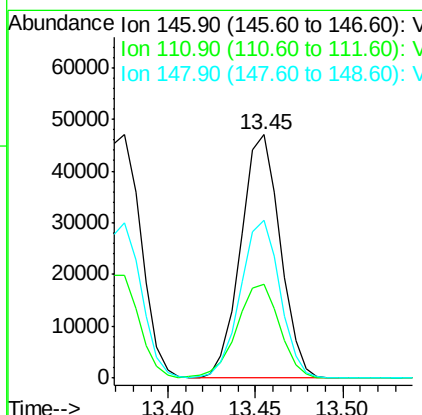
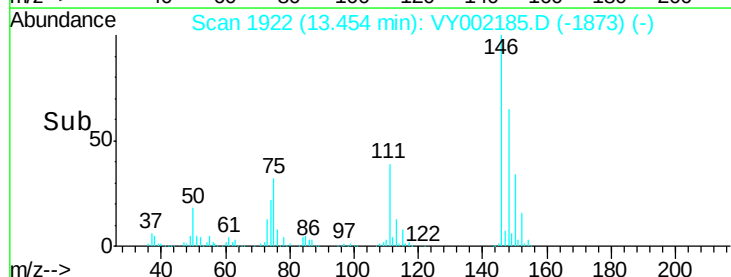
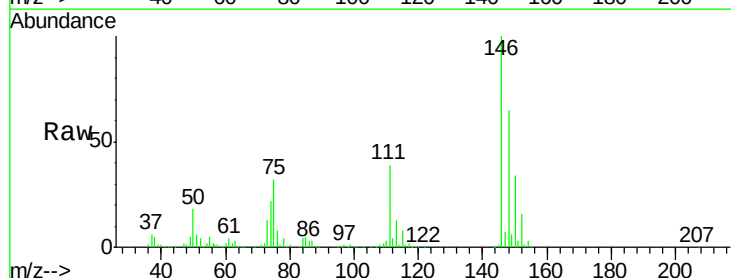
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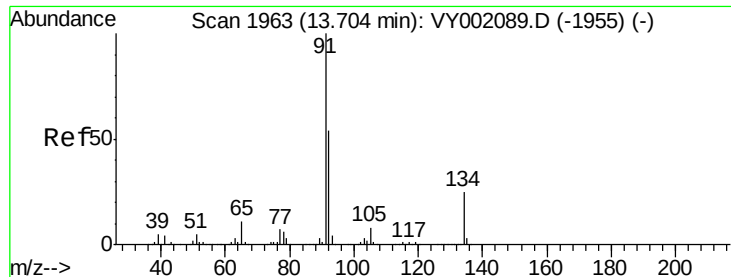
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#88
 1,4-Dichlorobenzene
 Concen: 20.343 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.9
148	65.3	31.5	94.5





#89

n-Butylbenzene

Concen: 20.736 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

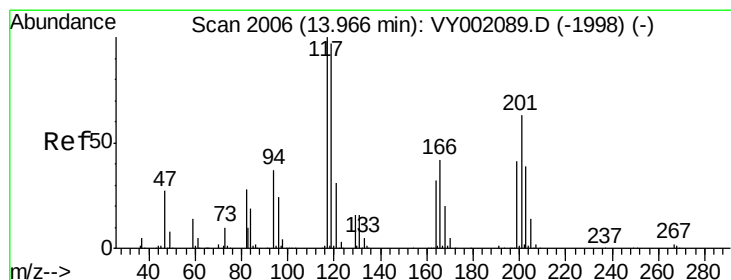
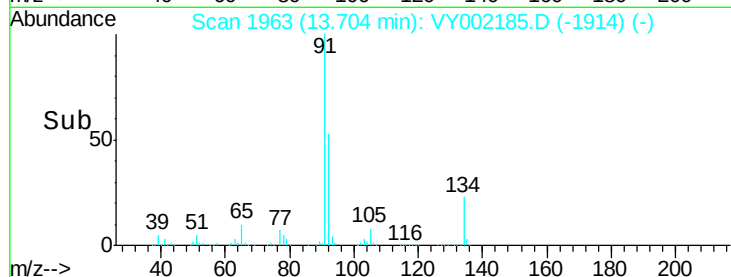
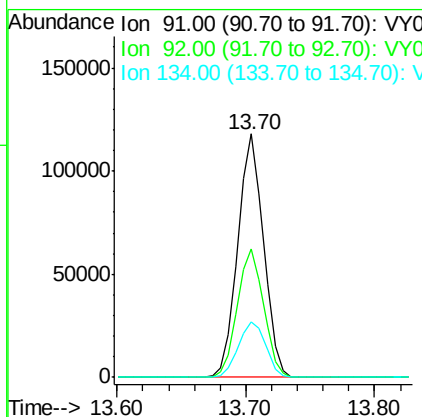
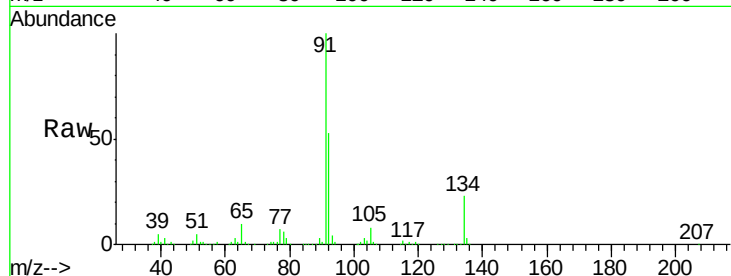
ClientSampleId :

VY0402SBS01

Tot Ion:	91	Resp:	163625
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.0	81.0
134	24.2	12.3	36.8

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#90

Hexachloroethane

Concen: 20.708 ug/l

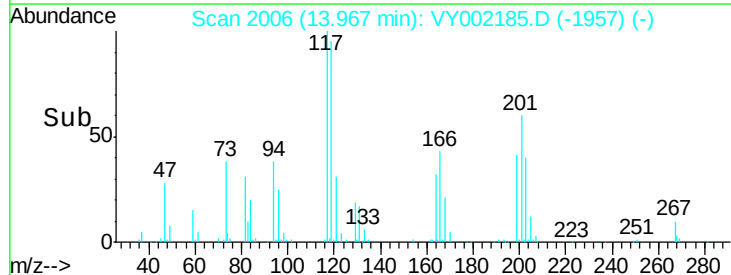
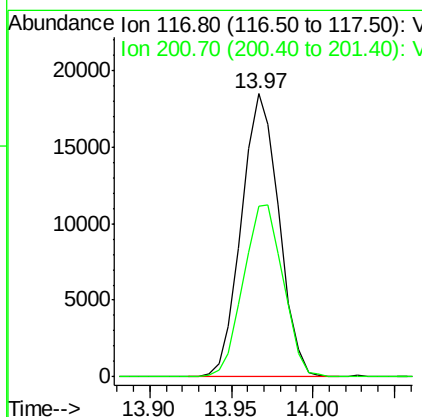
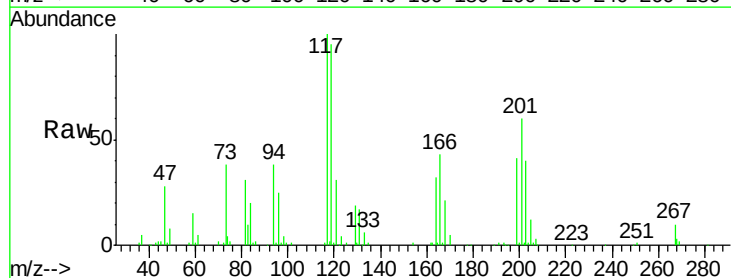
RT: 13.97 min Scan# 2006

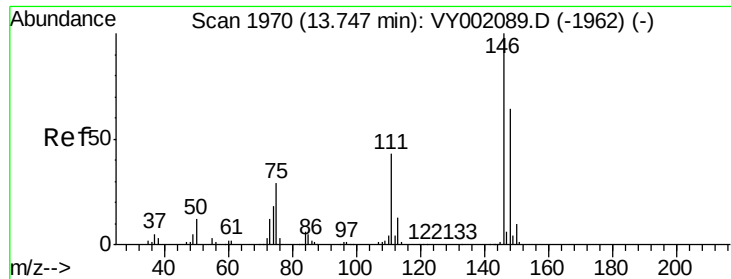
Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	117	Resp:	29552
Ion	Ratio	Lower	Upper
117	100		
201	64.4	31.6	94.8





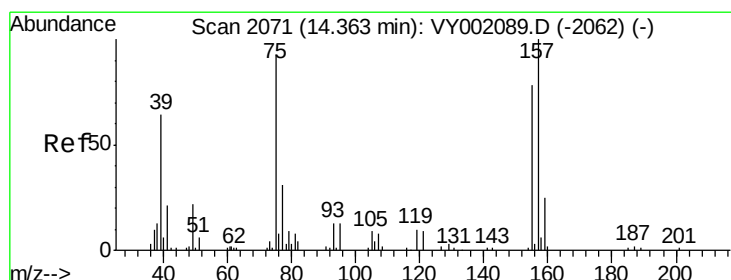
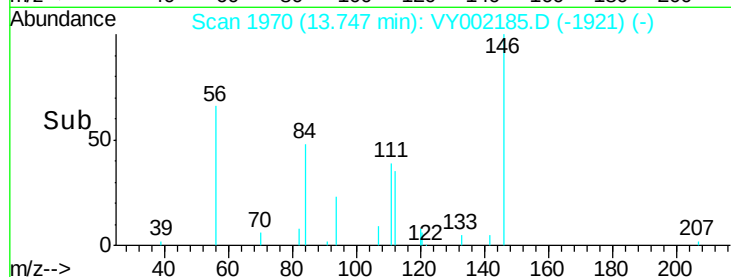
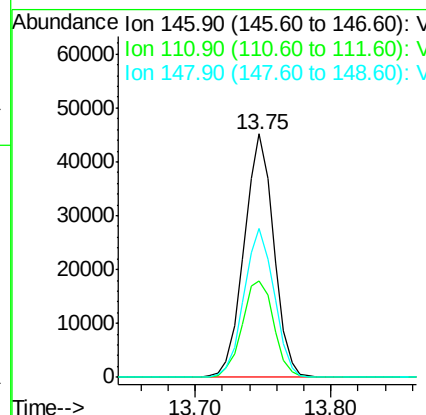
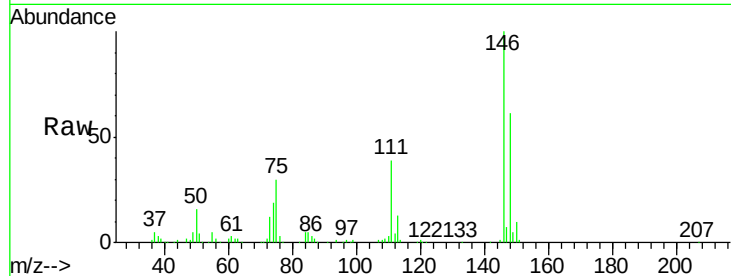
#91
 1,2-Dichlorobenzene
 Concen: 20.601 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	62.3	31.8	95.4

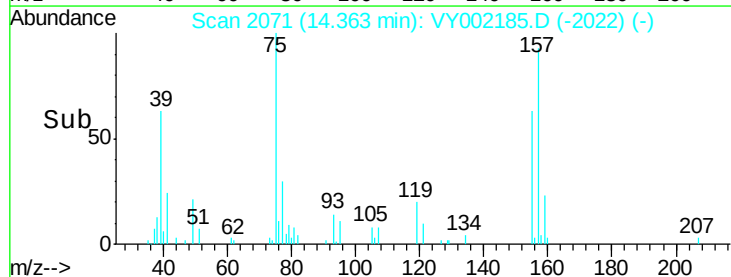
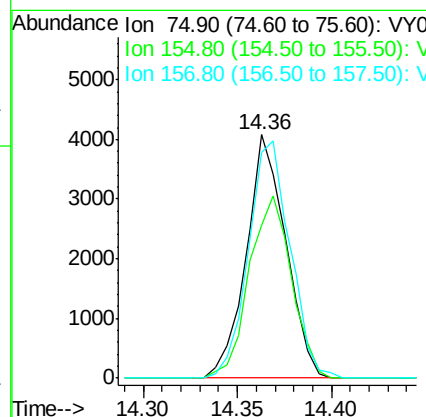
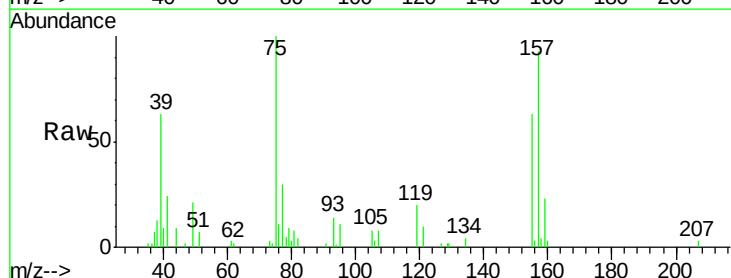
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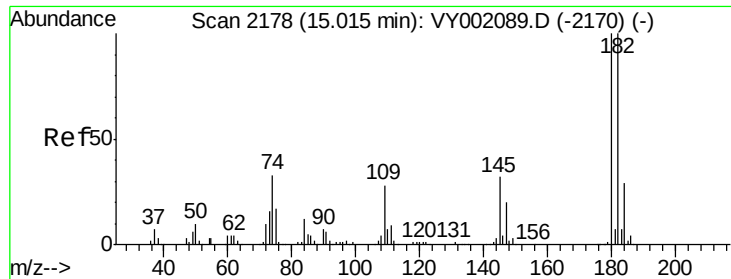
MMDadoda
 4/6/2020 11:28:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.864 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002185.D
 Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.6	124.9
157	103.0	53.4	160.3





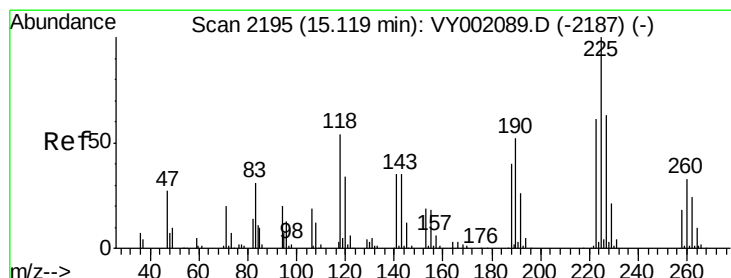
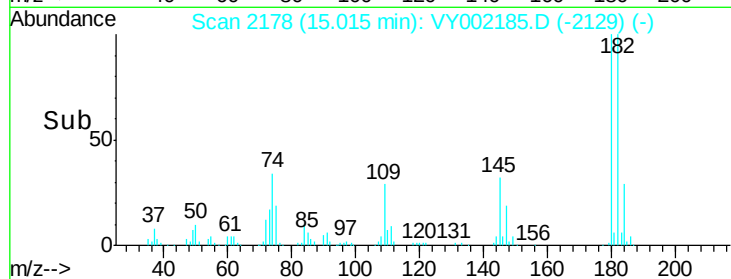
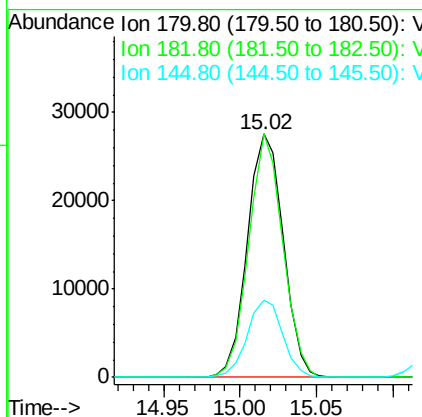
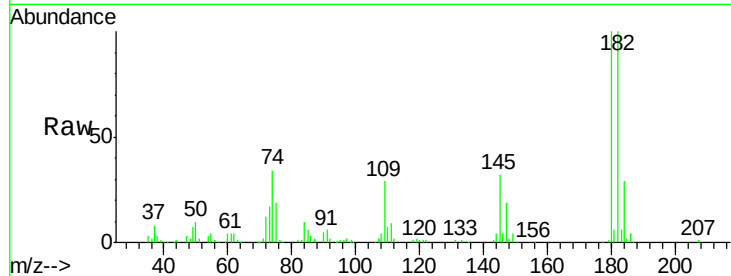
#93
1,2,4-Trichlorobenzene
Concen: 20.912 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	44944	48.1	144.3
145	31.7		15.9	47.6

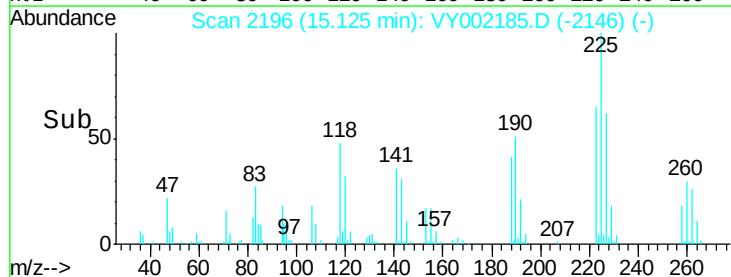
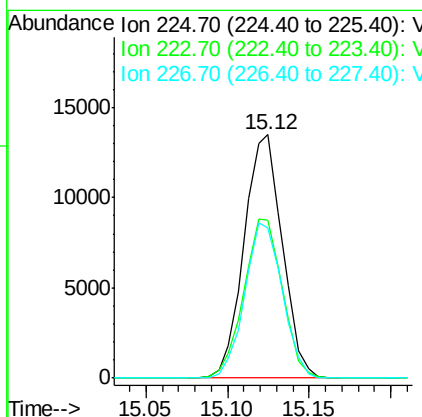
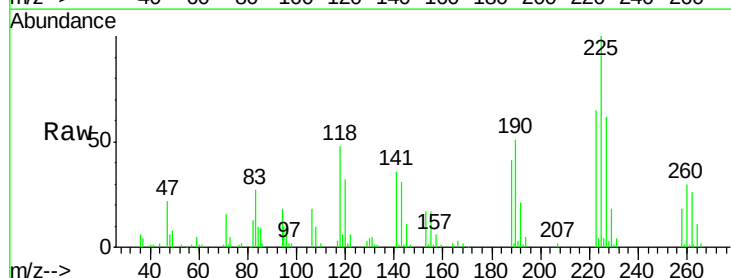
Manual Integrations
APPROVED

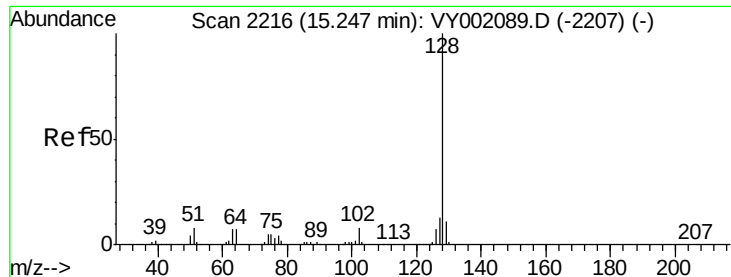
MMDadoda
4/6/2020 11:28:38 AM



#94
Hexachlorobutadiene
Concen: 20.710 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY002185.D
Acq: 02 Apr 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21970		
223	65.9		31.1	93.3
227	62.3		31.6	94.7





#95

Naphthalene

Concen: 20.350 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Instrument :

MSVOA_Y

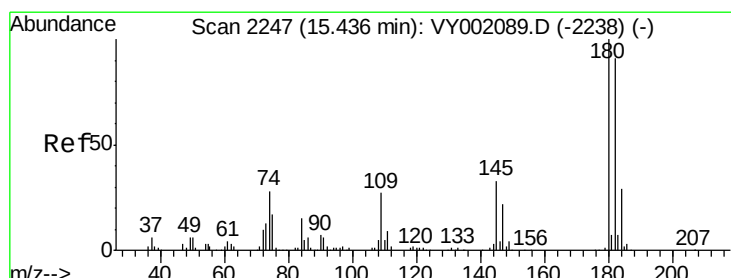
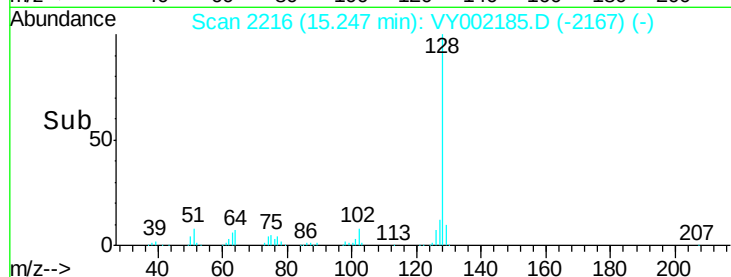
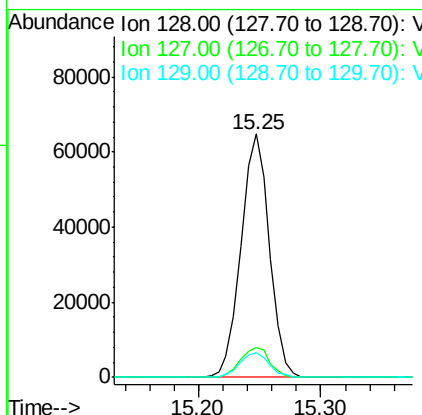
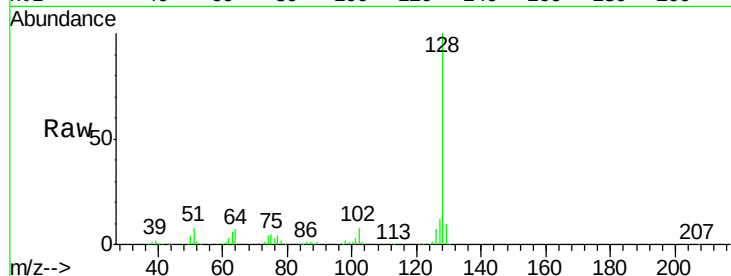
ClientSampleId :

VY0402SBS01

Tot Ion:	128	Resp:	103877
Ion Ratio		Lower	Upper
128	100		
127	12.8	9.8	14.8
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:28:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.000 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002185.D

Acq: 02 Apr 2020 12:40

Tgt Ion:	180	Resp:	38979
Ion Ratio		Lower	Upper
180	100		
182	96.8	46.8	140.3
145	34.8	16.7	50.1

