

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
 Data File : VY002088.D
 Acq On : 26 Mar 2020 16:09
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 3/27/2020 4:14:02 PM

Quant Time: Mar 27 06:45:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 04:05:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	166367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	299006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	37457	20.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.72%	
35) Dibromofluoromethane	7.74	113	33405	20.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.68%	
50) Toluene-d8	10.19	98	139441	20.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.24%	
62) 4-Bromofluorobenzene	12.49	95	48932	20.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	32117	22.048	ug/l	98
3) Chloromethane	2.12	50	43549	21.531	ug/l	98
4) Vinyl Chloride	2.26	62	42409	20.616	ug/l	97
5) Bromomethane	2.65	94	26371	19.137	ug/l	98
6) Chloroethane	2.80	64	27177	20.769	ug/l	97
7) Trichlorofluoromethane	3.14	101	56913	20.215	ug/l	98
8) Diethyl Ether	3.55	74	23884	21.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36513	20.069	ug/l	98
10) Methyl Iodide	4.11	142	42837	20.388	ug/l	99
11) Tert butyl alcohol	4.99	59	22464	103.927	ug/l	96
12) 1,1-Dichloroethene	3.88	96	36599	19.985	ug/l	93
13) Acrolein	3.75	56	26240	100.948	ug/l	98
14) Allyl chloride	4.50	41	66647	20.328	ug/l	99
15) Acrylonitrile	5.19	53	62264	104.060	ug/l	99
16) Acetone	3.97	43	52530	102.267	ug/l	99
17) Carbon Disulfide	4.21	76	122589	19.941	ug/l	100
18) Methyl Acetate	4.50	43	27739	21.027	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	102901	20.608	ug/l	97
20) Methylene Chloride	4.74	84	51363	23.245	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	41879	20.058	ug/l	98
22) Diisopropyl ether	6.14	45	138727	20.619	ug/l	98
23) Vinyl Acetate	6.08	43	459655	104.492	ug/l	98
24) 1,1-Dichloroethane	6.04	63	71969	19.819	ug/l	98
25) 2-Butanone	7.01	43	82021	104.955	ug/l	98
26) 2,2-Dichloropropane	7.00	77	58912	19.723	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	45956	20.213	ug/l	99
28) Bromochloromethane	7.35	49	31747	19.154	ug/l	99
29) Tetrahydrofuran	7.36	42	53356	102.575	ug/l	99
30) Chloroform	7.53	83	67795	19.882	ug/l	98
31) Cyclohexane	7.80	56	77373	19.929	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	56070	19.537	ug/l	99
36) 1,1-Dichloropropene	7.93	75	57170	20.040	ug/l	99
37) Ethyl Acetate	7.10	43	35704	21.593	ug/l	100
38) Carbon Tetrachloride	7.91	117	48387	19.799	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74396	19.628	ug/l	98
40) Benzene	8.17	78	170068	20.081	ug/l	100
41) Methacrylonitrile	7.35	41	20838m	27.051	ug/l	
42) 1,2-Dichloroethane	8.25	62	45774	20.949	ug/l	100
43) Isopropyl Acetate	8.28	43	65761	20.926	ug/l	99
44) Trichloroethene	8.95	130	41045	19.877	ug/l	93
45) 1,2-Dichloropropane	9.23	63	43644	20.456	ug/l	96
46) Dibromomethane	9.31	93	22529	20.491	ug/l	99
47) Bromodichloromethane	9.50	83	51591	20.150	ug/l	97
48) Methyl methacrylate	9.30	41	30140	21.774	ug/l	97
49) 1,4-Dioxane	9.31	88	6072	404.665	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	172838	106.835	ug/l	100
52) Toluene	10.25	92	102988	20.030	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	57158	20.510	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	66491	20.041	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33407	20.723	ug/l	98
56) Ethyl methacrylate	10.52	69	48902	20.853	ug/l	98
57) 1,3-Dichloropropane	10.80	76	59437	20.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	129414	129.433	ug/l	99
59) 2-Hexanone	10.84	43	121475	105.468	ug/l	100
60) Dibromochloromethane	10.99	129	34073	20.152	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30911	20.295	ug/l	97
64) Tetrachloroethene	10.72	164	34176	20.199	ug/l	97
65) Chlorobenzene	11.52	112	106329	19.900	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35369	20.153	ug/l	99
67) Ethyl Benzene	11.60	91	198089	19.846	ug/l	99
68) m/p-Xylenes	11.70	106	146251	39.702	ug/l	100
69) o-Xylene	12.03	106	69486	19.994	ug/l	99
70) Styrene	12.05	104	119541	20.069	ug/l	98
71) Bromoform	12.21	173	19418	20.437	ug/l #	98
73) Isopropylbenzene	12.33	105	185792	18.855	ug/l	100
74) N-amyl acetate	12.15	43	60547	20.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	40420	19.077	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	27478m	17.706	ug/l	
77) Bromobenzene	12.61	156	40057	19.111	ug/l	99
78) n-propylbenzene	12.67	91	232973	19.142	ug/l	100
79) 2-Chlorotoluene	12.76	91	125879	18.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	154593	19.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14822	19.592	ug/l	96
82) 4-Chlorotoluene	12.86	91	135176	19.288	ug/l	99
83) tert-Butylbenzene	13.08	119	126804	18.717	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	155728	19.316	ug/l	98
85) sec-Butylbenzene	13.26	105	189536	19.029	ug/l	100
86) p-Isopropyltoluene	13.38	119	166796	19.403	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	80198	19.580	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	79357	19.113	ug/l	98
89) n-Butylbenzene	13.70	91	173061	19.396	ug/l	99
90) Hexachloroethane	13.97	117	30663	18.913	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	72187	19.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6776	20.456	ug/l	93

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QLast Update : Fri Mar 27 04:05:22 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	46797	19.413	ug/l	100
94) Hexachlorobutadiene	15.12	225	23309	19.713	ug/l	99
95) Naphthalene	15.24	128	111275	19.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	42315	19.835	ug/l	99

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

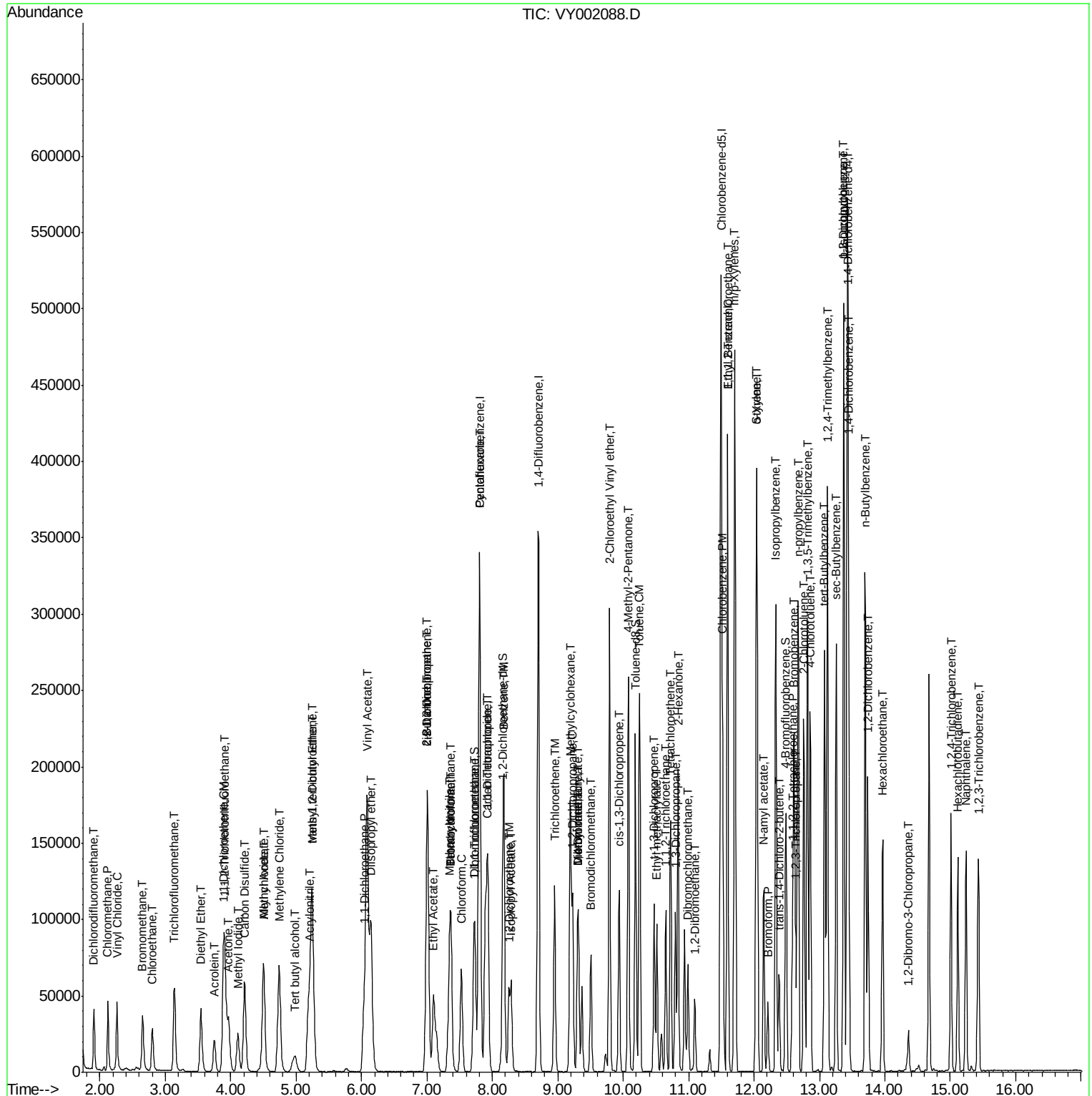
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
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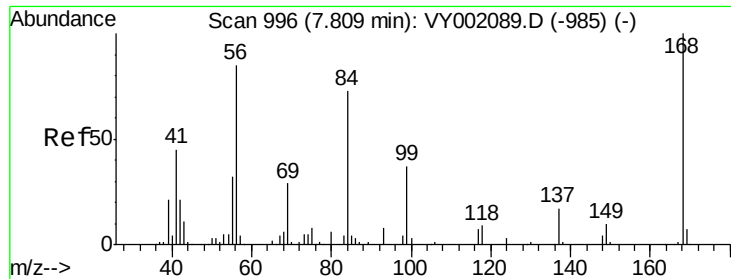
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 166367

Ion Ratio Lower Upper

168 100

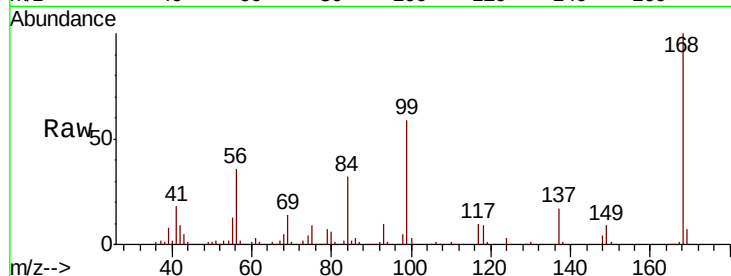
99 58.8 47.6 71.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.81

80000

60000

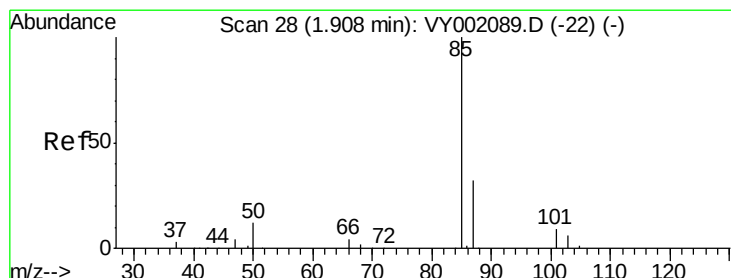
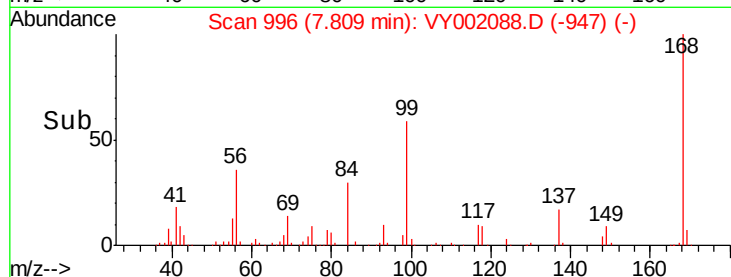
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.048 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002088.D

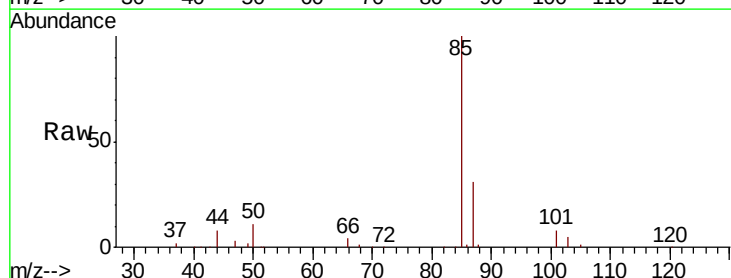
Acq: 26 Mar 2020 16:09

Tgt Ion: 85 Resp: 32117

Ion Ratio Lower Upper

85 100

87 31.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

1.91

25000

20000

15000

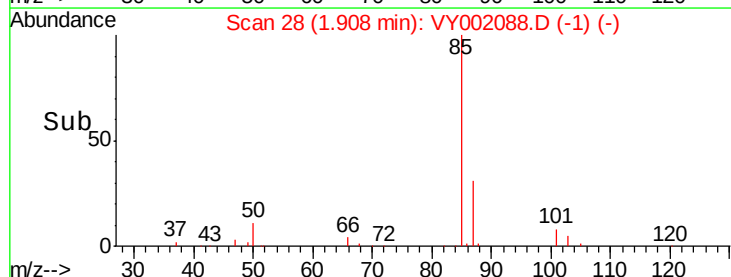
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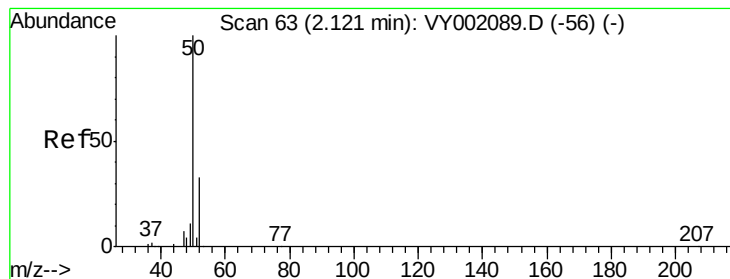
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.531 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 43549

Ion Ratio Lower Upper

50 100

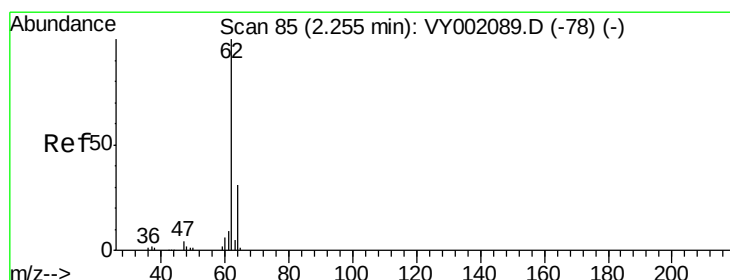
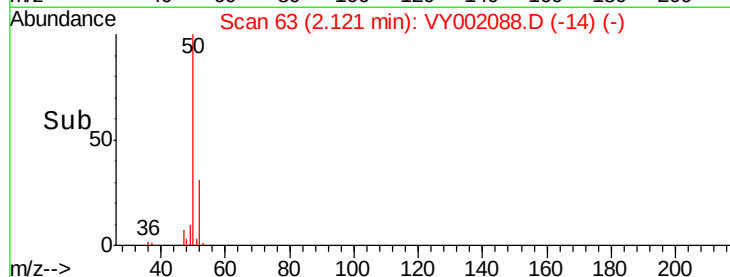
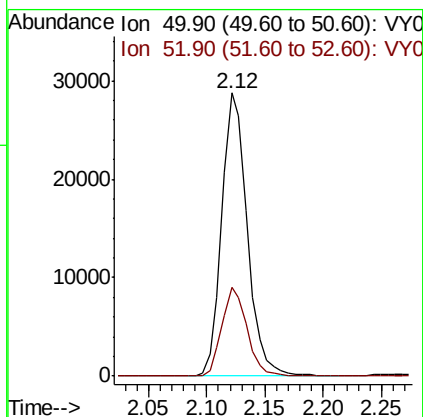
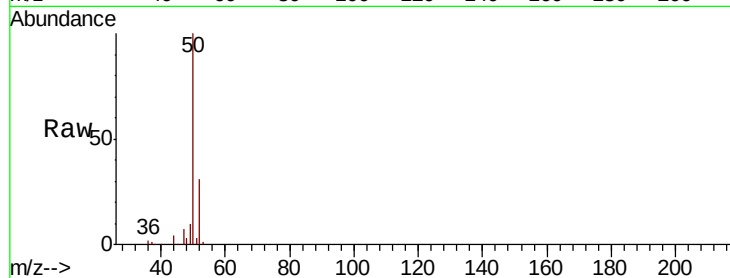
52 31.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.616 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002088.D

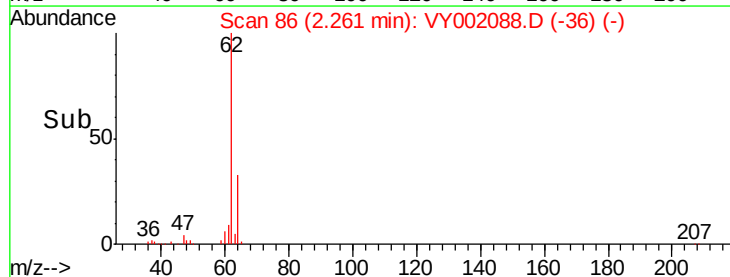
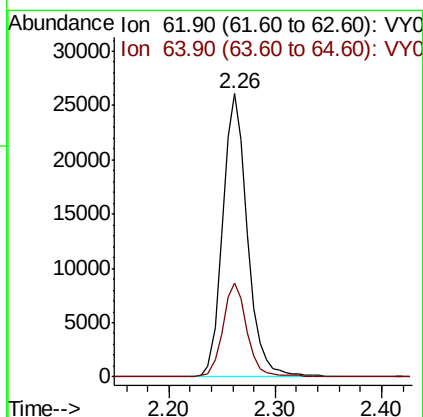
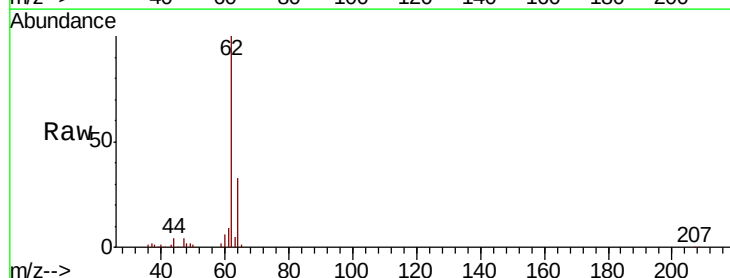
Acq: 26 Mar 2020 16:09

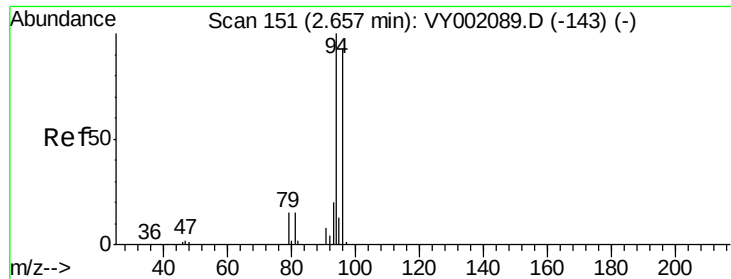
Tgt Ion: 62 Resp: 42409

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 19.137 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 26371

Ion Ratio Lower Upper

94 100

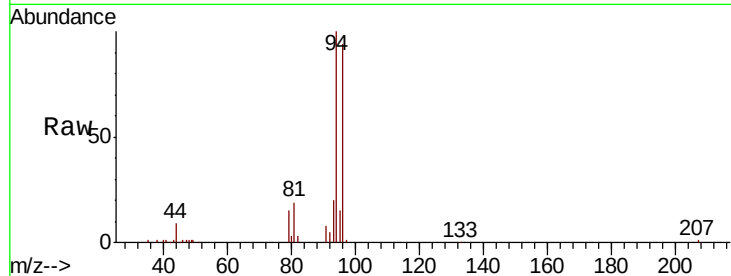
96 94.3 74.1 111.1

Manual Integrations

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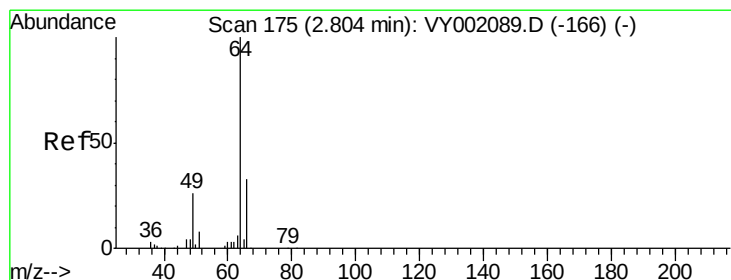
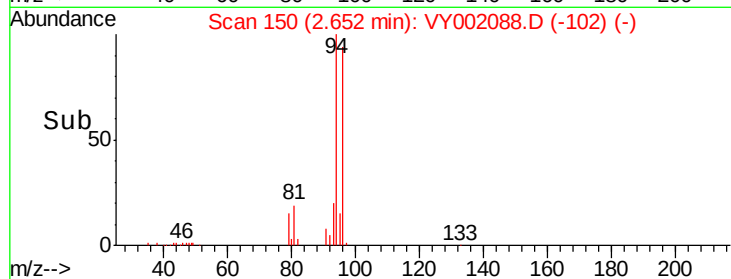
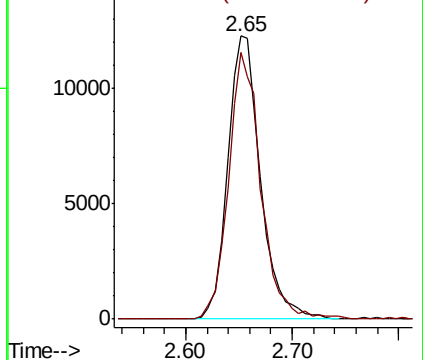
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.769 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002088.D

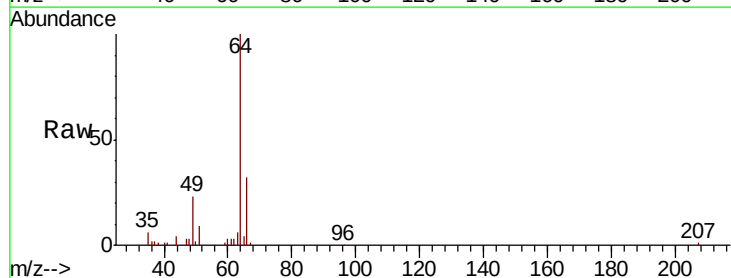
Acq: 26 Mar 2020 16:09

Tgt Ion: 64 Resp: 27177

Ion Ratio Lower Upper

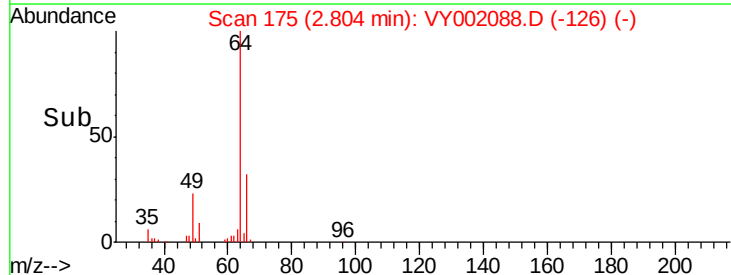
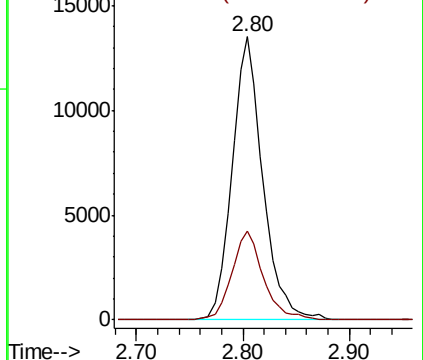
64 100

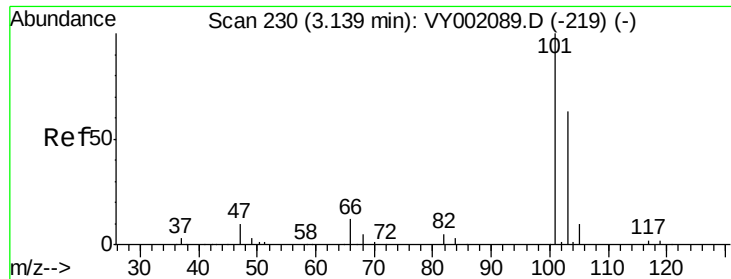
66 31.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

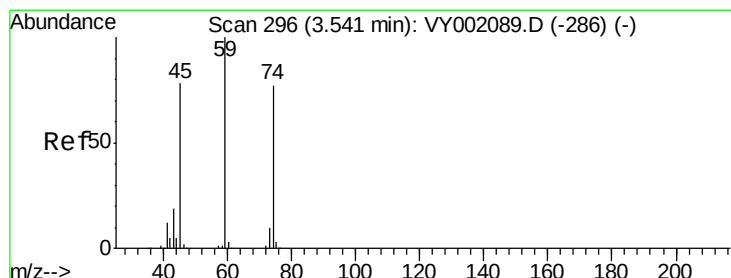
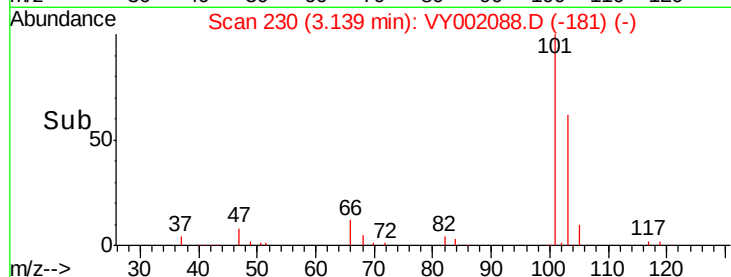
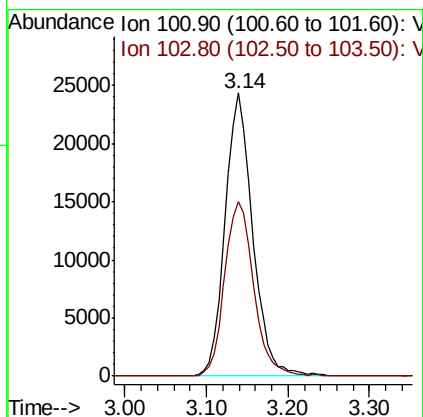
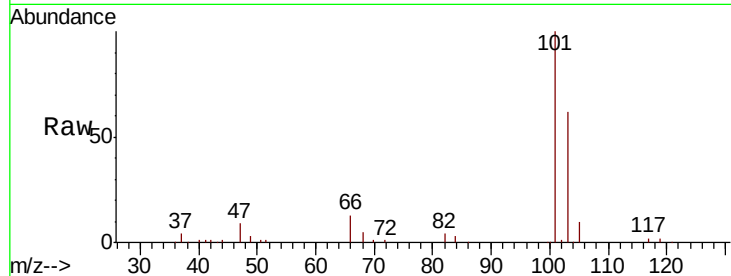
Trichlorofluoromethane
 Concen: 20.215 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.6	76.0

Manual Integrations
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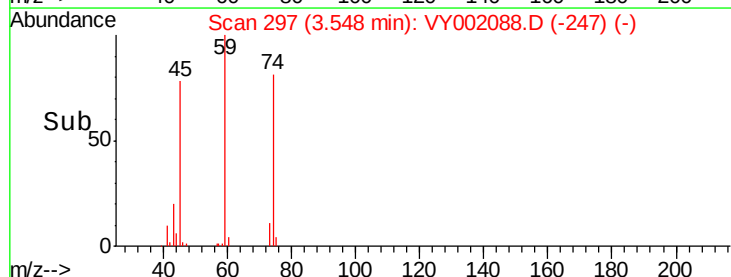
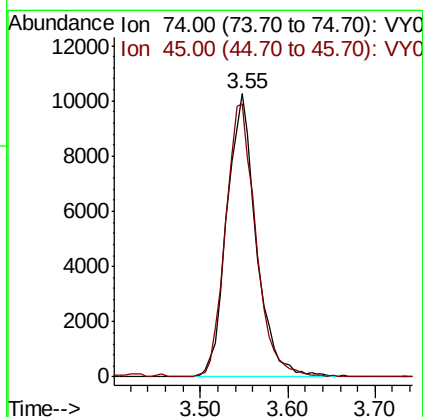
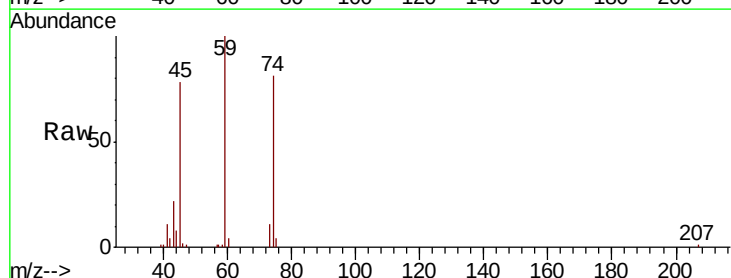
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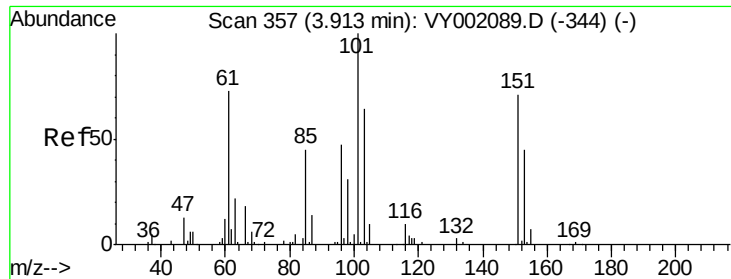


#8

Diethyl Ether
 Concen: 21.345 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.069 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

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MSVOA_Y

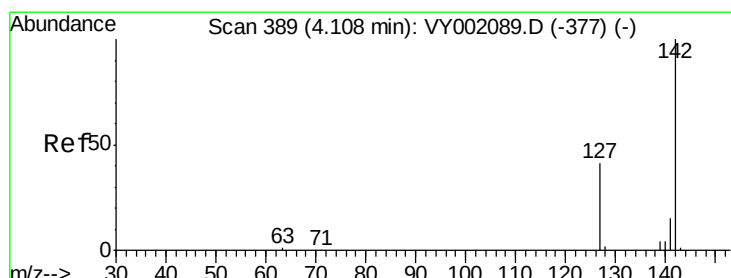
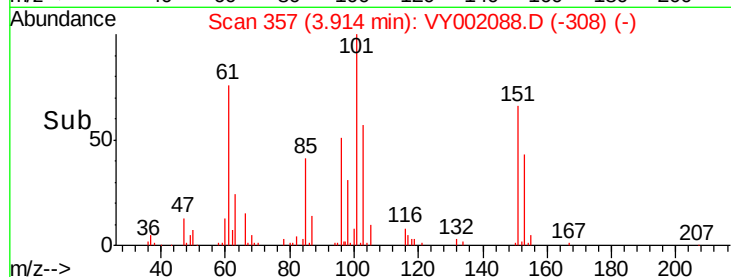
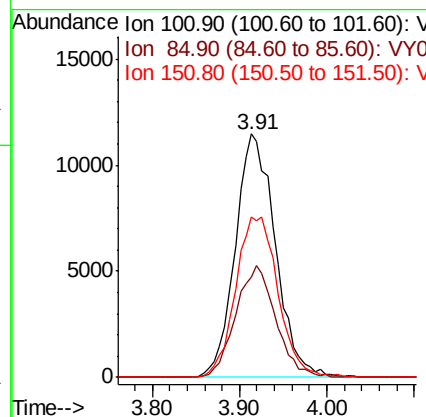
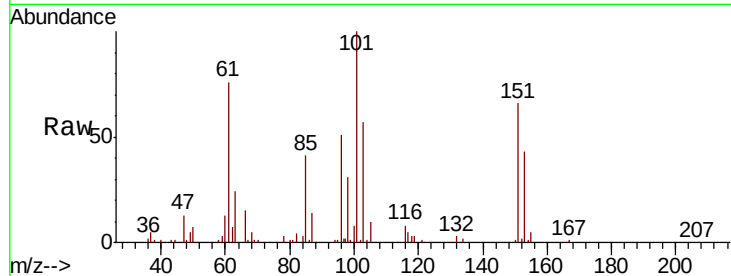
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	36513
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.9	53.9
151	69.9	57.5	86.3

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#10

Methyl Iodide

Concen: 20.388 ug/l

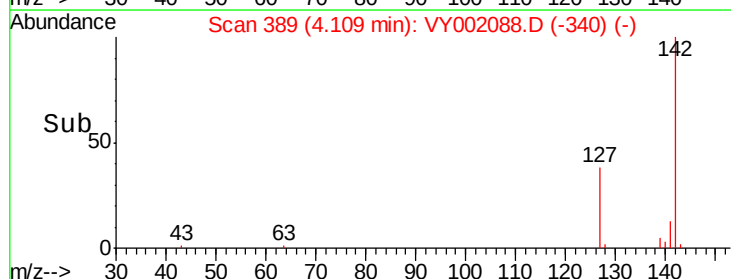
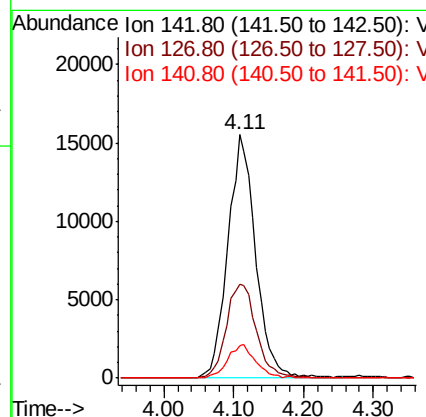
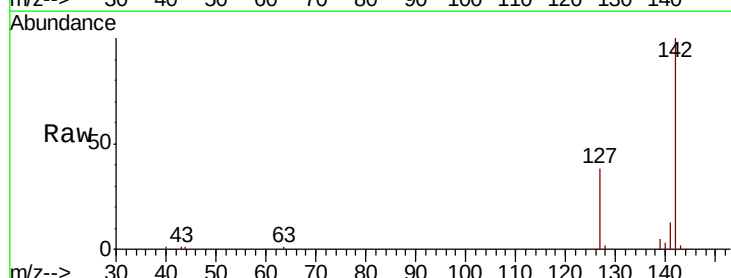
RT: 4.11 min Scan# 389

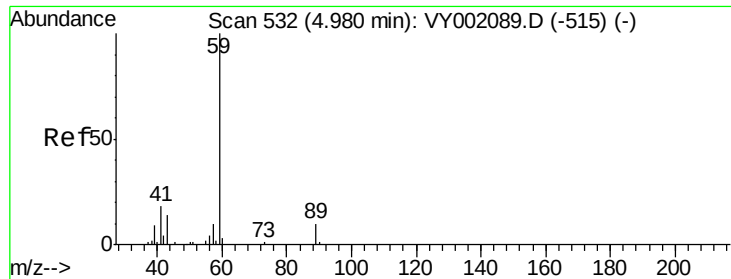
Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	142	Resp:	42837
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.6	49.0
141	13.6	11.4	17.0





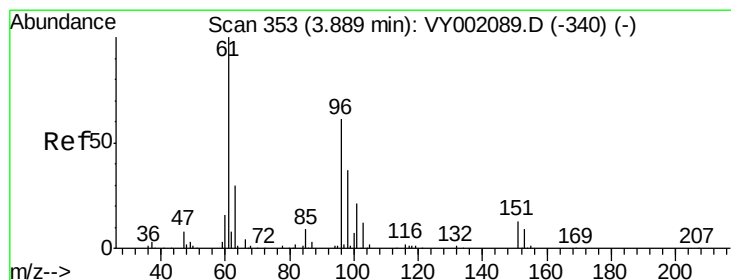
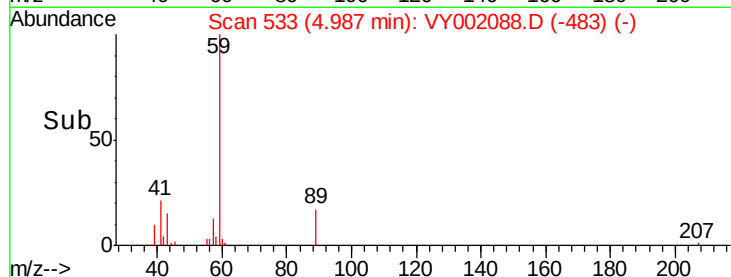
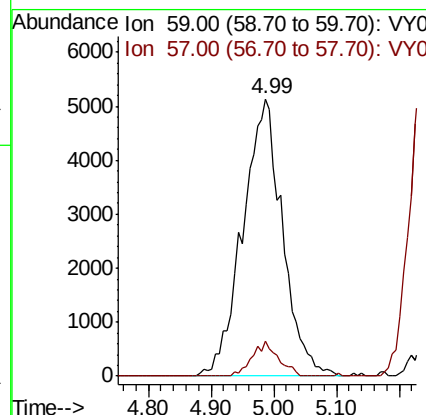
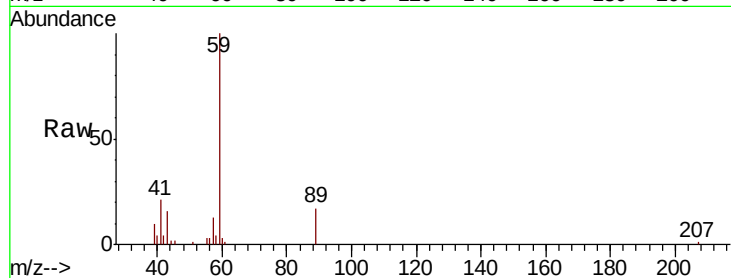
#11
Tert butyl alcohol
Concen: 103.927 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 22464
Ion Ratio Lower Upper
59 100
57 8.3 7.7 11.5

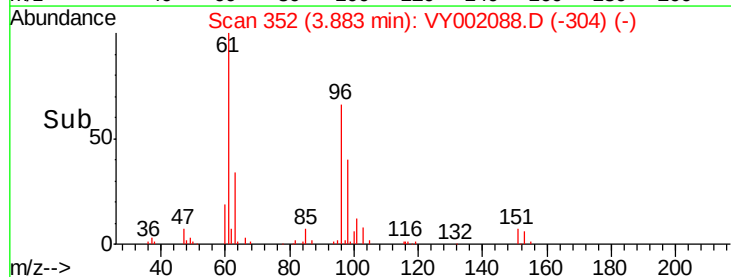
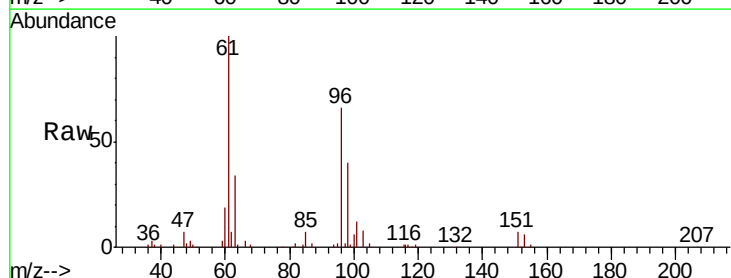
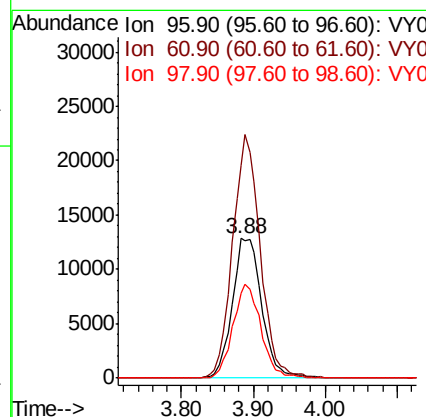
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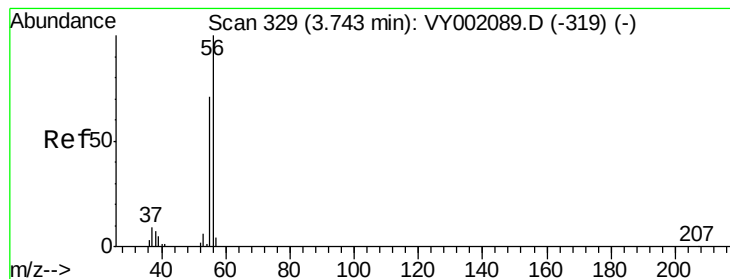
apatel
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#12
1,1-Dichloroethene
Concen: 19.985 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion: 96 Resp: 36599
Ion Ratio Lower Upper
96 100
61 152.4 132.0 198.0
98 60.5 49.4 74.0





#13

Acrolein

Concen: 100.948 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 26240

Ion Ratio Lower Upper

56 100

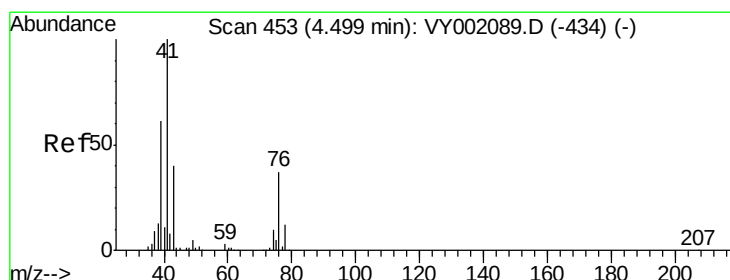
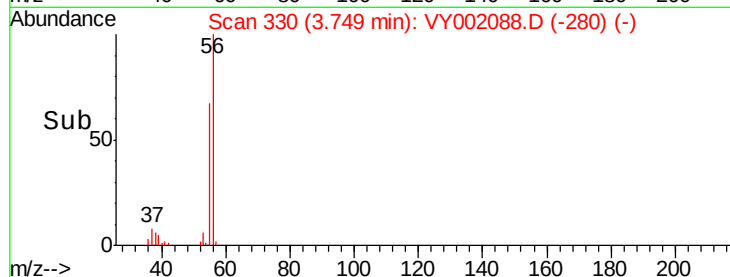
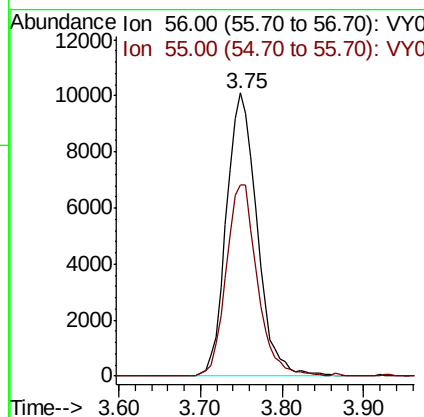
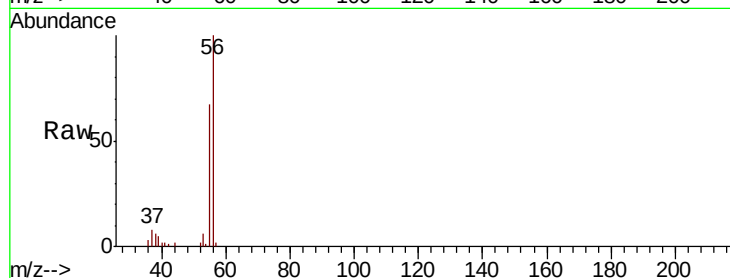
55 68.7 56.5 84.7

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#14

Allyl chloride

Concen: 20.328 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

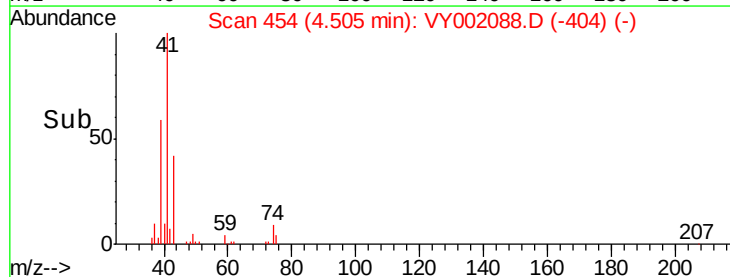
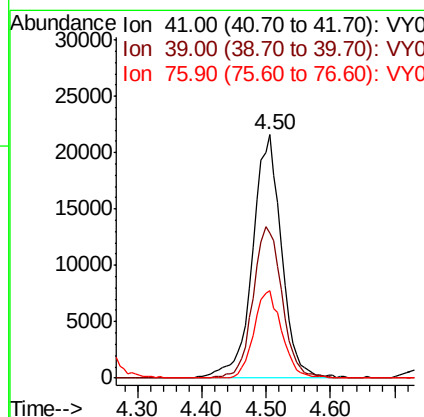
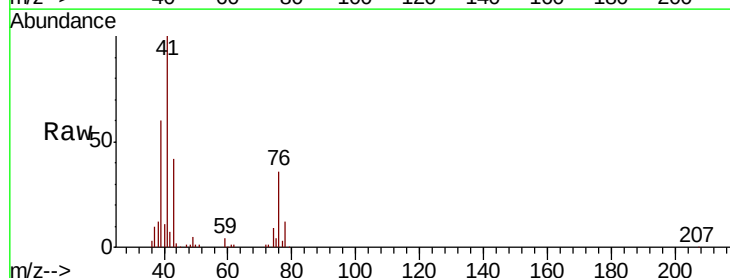
Tgt Ion: 41 Resp: 66647

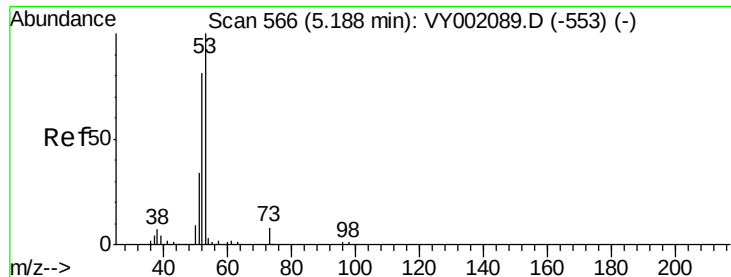
Ion Ratio Lower Upper

41 100

39 62.4 49.0 73.4

76 34.4 27.8 41.8





#15

Acrylonitrile

Concen: 104.060 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

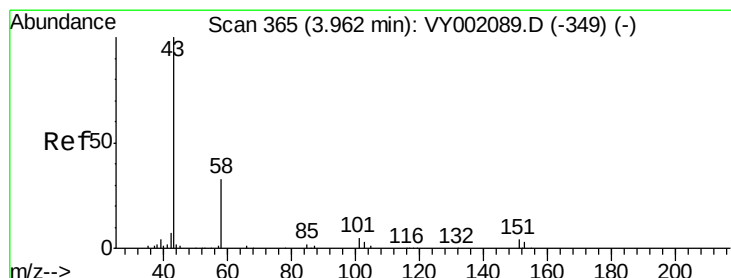
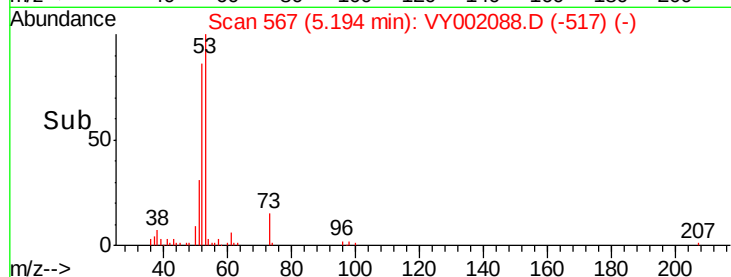
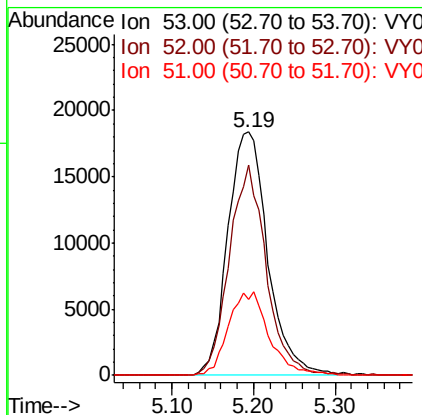
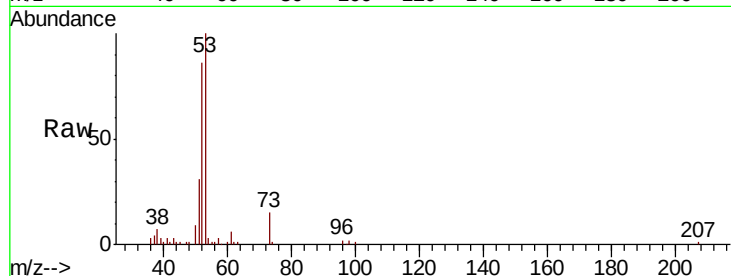
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	62264
Ion	Ratio	Lower	Upper
53	100		
52	79.8	64.6	97.0
51	34.8	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 102.267 ug/l

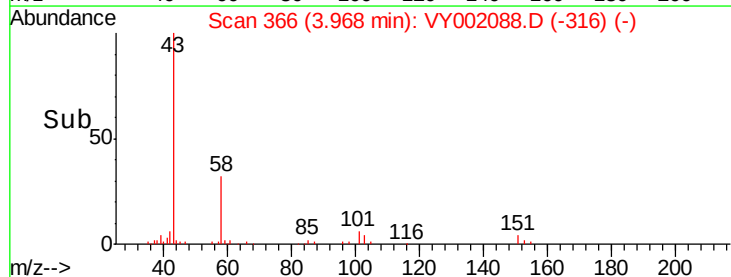
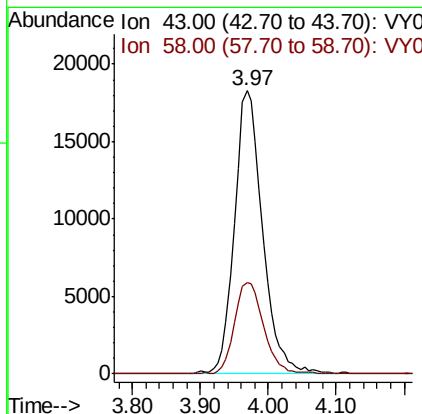
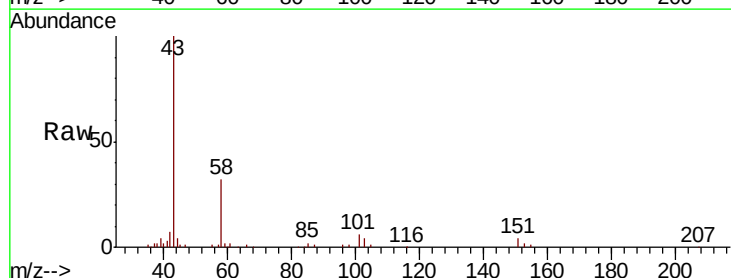
RT: 3.97 min Scan# 366

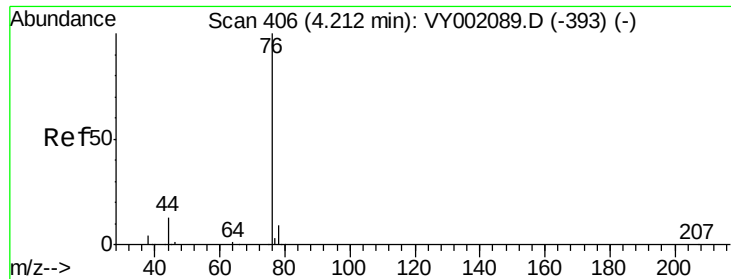
Delta R.T. 0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	43	Resp:	52530
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.3	39.5





#17

Carbon Disulfide

Concen: 19.941 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 122589

Ion Ratio Lower Upper

76 100

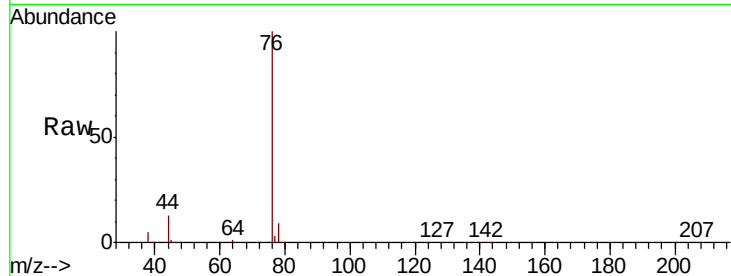
78 9.0 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VY002089.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VY002089.D (-393) (-)

4.21

50000

40000

30000

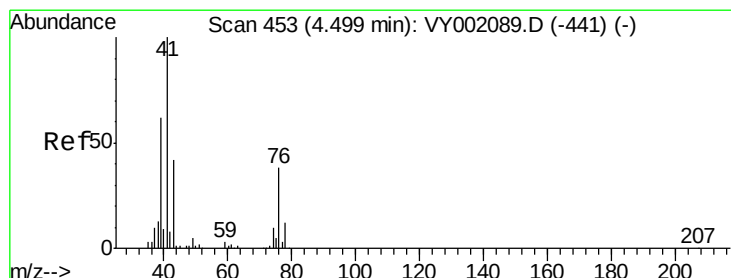
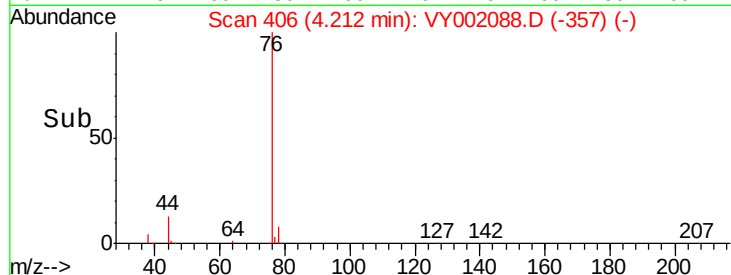
20000

10000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 21.027 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002088.D

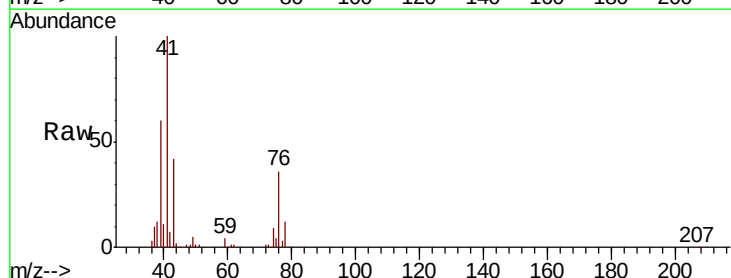
Acq: 26 Mar 2020 16:09

Tgt Ion: 43 Resp: 27739

Ion Ratio Lower Upper

43 100

74 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VY002089.D (-441) (-)

4.50

10000

8000

6000

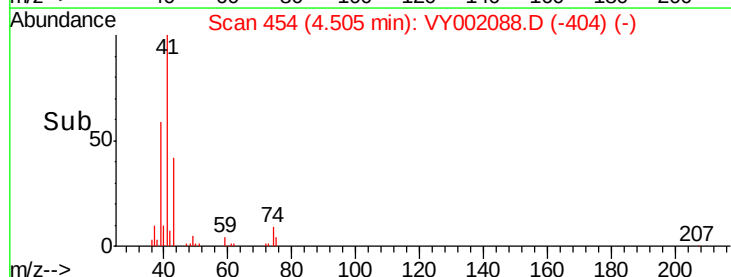
4000

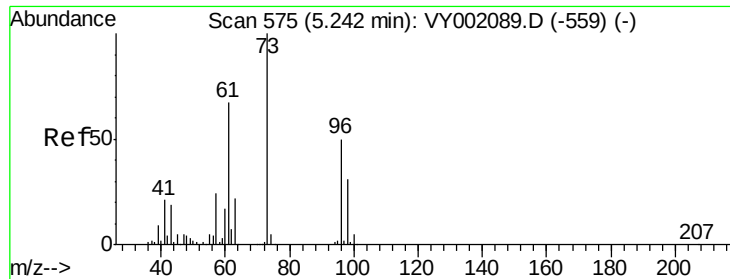
2000

0

4.40 4.50 4.60

Time-->





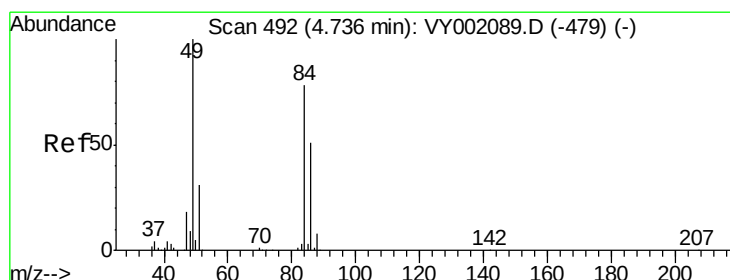
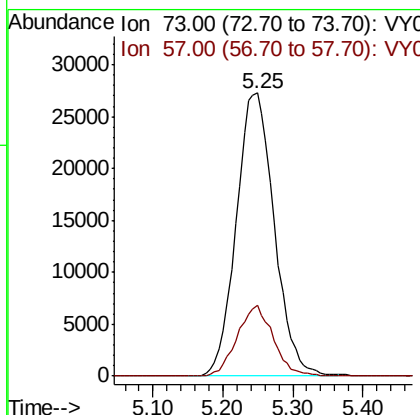
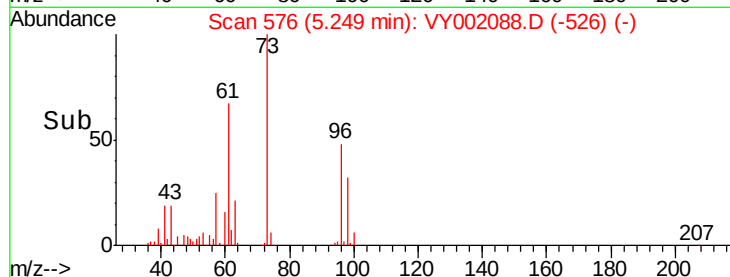
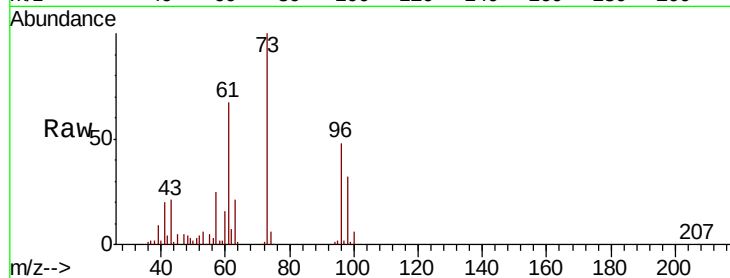
#19
Methyl tert-butyl Ether
Concen: 20.608 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 102901
Ion Ratio Lower Upper
73 100
57 25.0 19.0 28.6

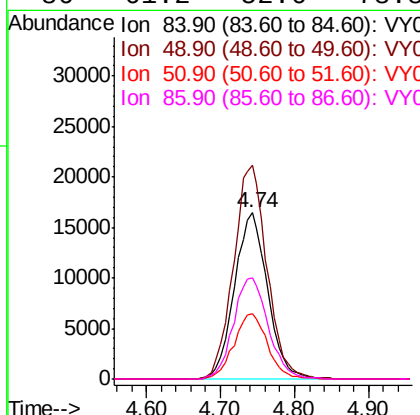
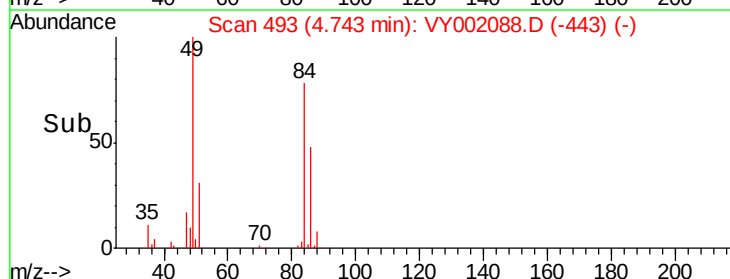
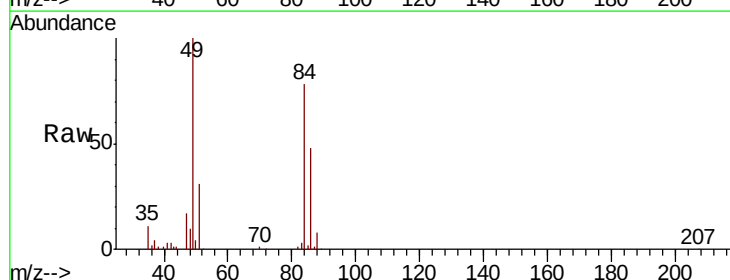
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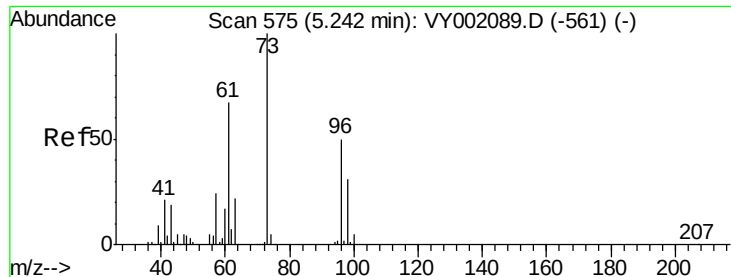
apatel
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#20
Methylene Chloride
Concen: 23.245 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion: 84 Resp: 51363
Ion Ratio Lower Upper
84 100
49 128.5 102.2 153.4
51 39.5 31.2 46.8
86 61.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.058 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 41879

Ion Ratio Lower Upper

96 100

61 135.2 107.7 161.5

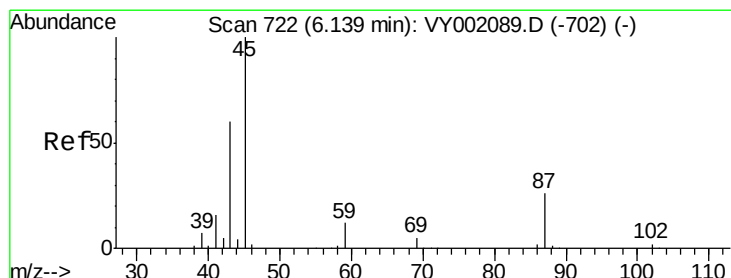
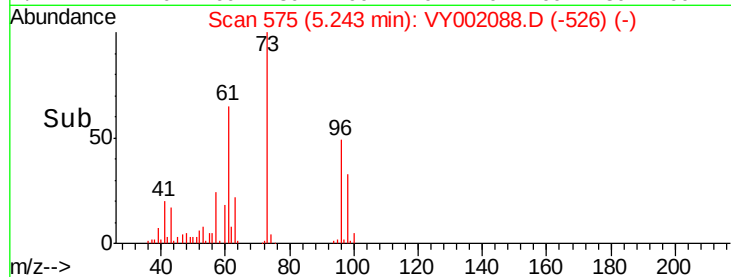
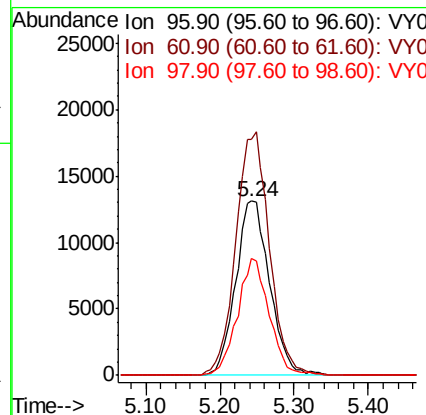
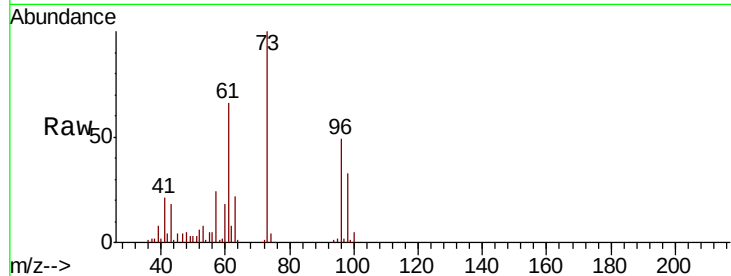
98 67.3 50.5 75.7

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#22

Diisopropyl ether

Concen: 20.619 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion: 45 Resp: 138727

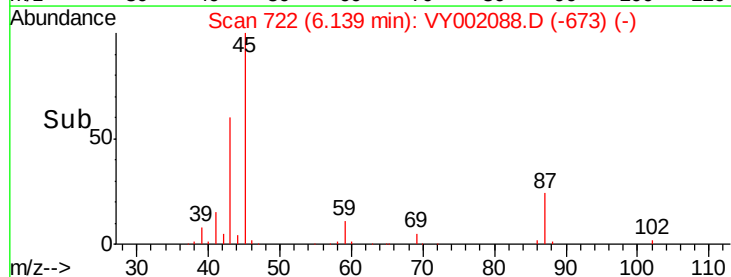
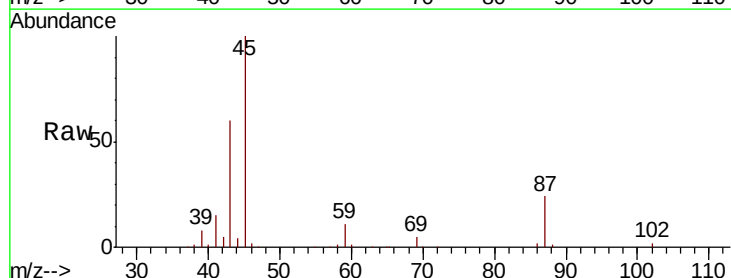
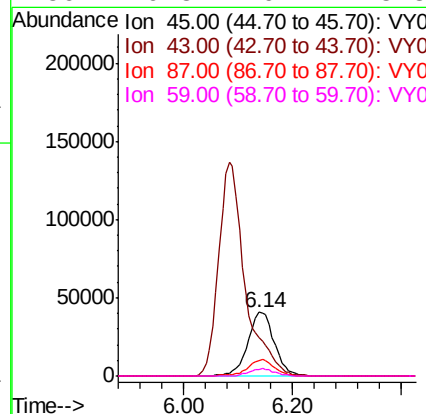
Ion Ratio Lower Upper

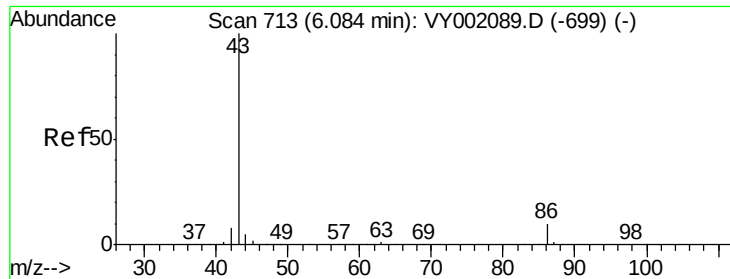
45 100

43 60.1 48.1 72.1

87 23.8 21.1 31.7

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 104.492 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 459655

Ion Ratio Lower Upper

43 100

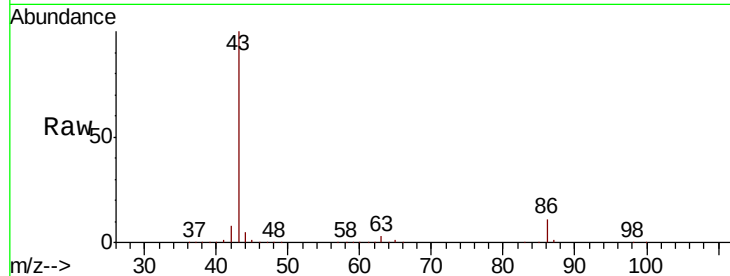
86 10.5 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

150000

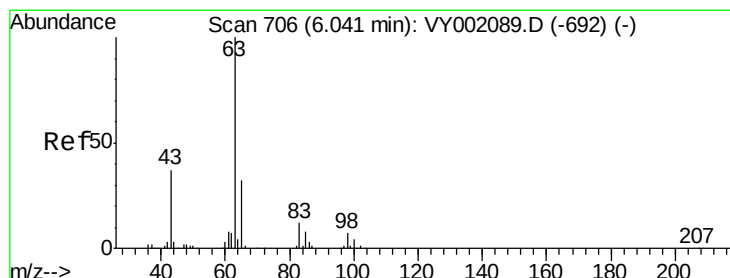
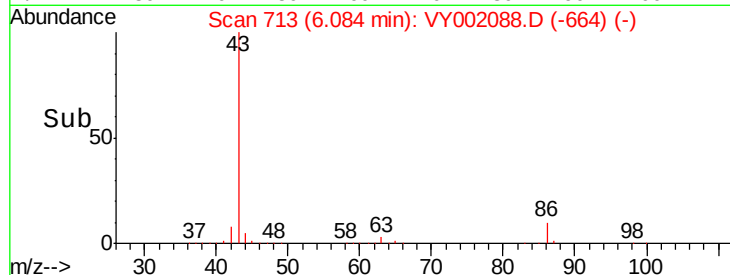
100000

50000

0

6.08

Time-->



#24

1,1-Dichloroethane

Concen: 19.819 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

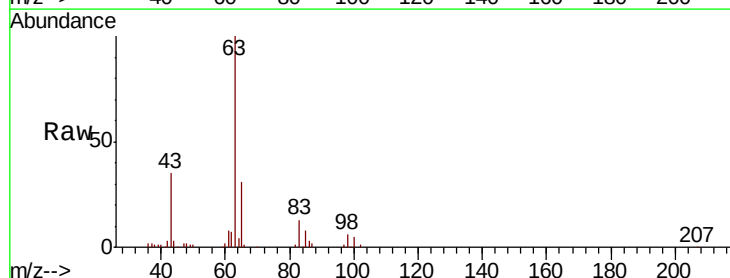
Tgt Ion: 63 Resp: 71969

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 5.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

15000

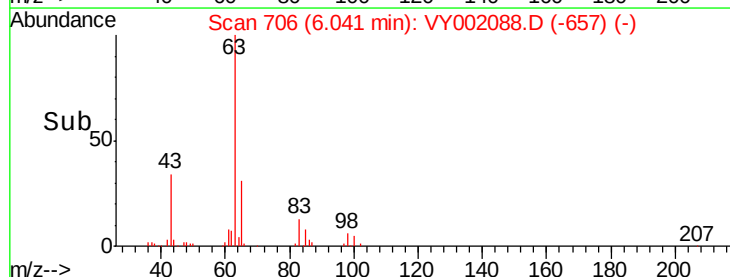
10000

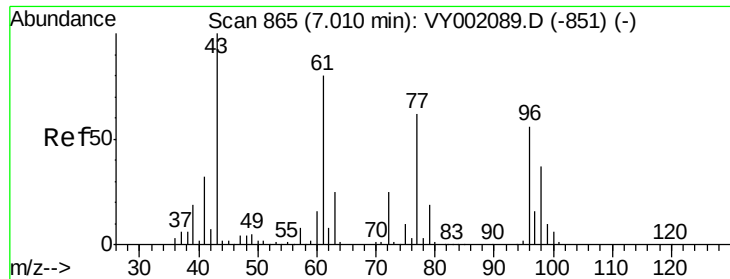
5000

0

6.04

Time-->





#25

2-Butanone

Concen: 104.955 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 82021

Ion Ratio Lower Upper

43 100

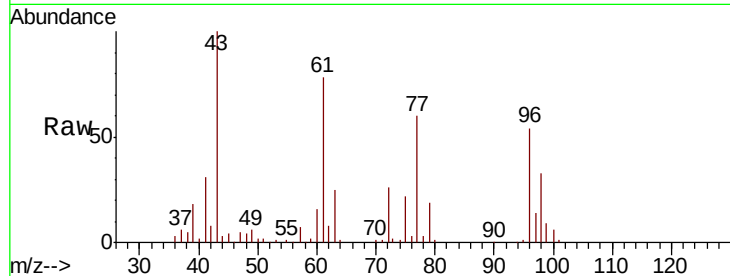
72 26.2 20.2 30.2

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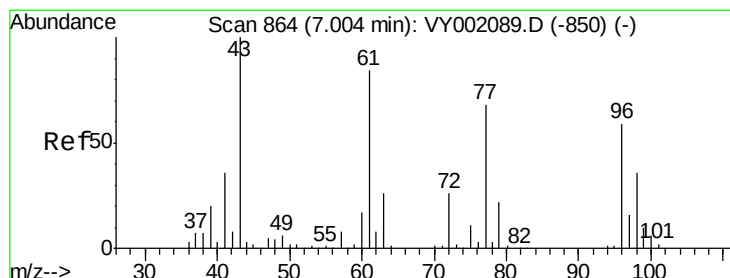
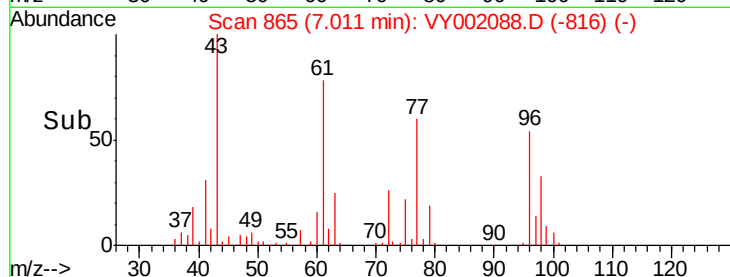
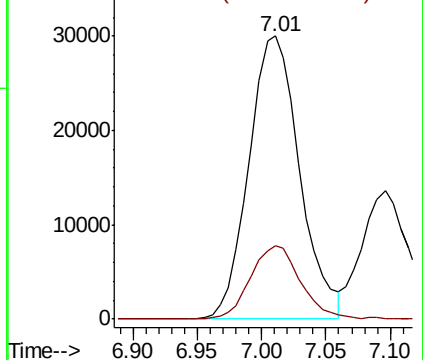
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.723 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002088.D

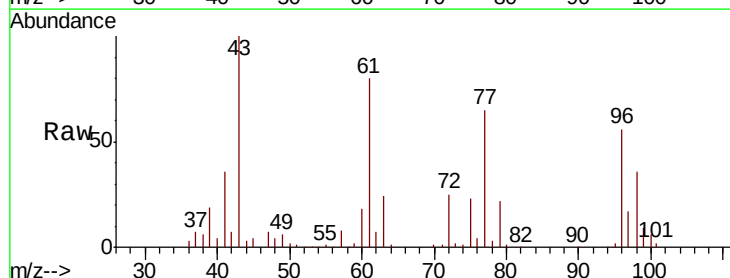
Acq: 26 Mar 2020 16:09

Tgt Ion: 77 Resp: 58912

Ion Ratio Lower Upper

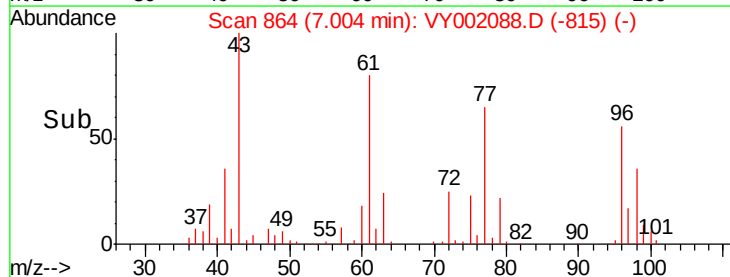
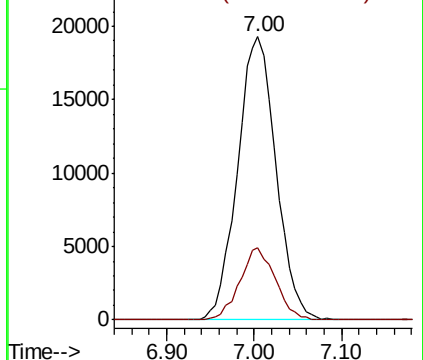
77 100

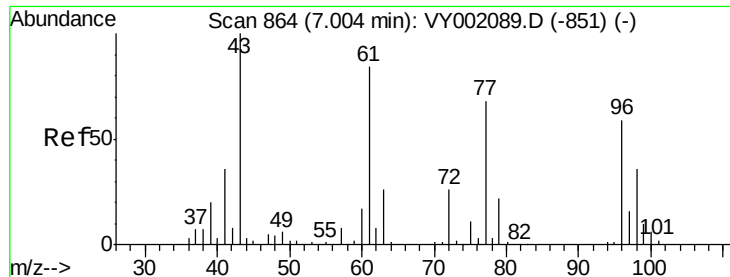
97 23.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





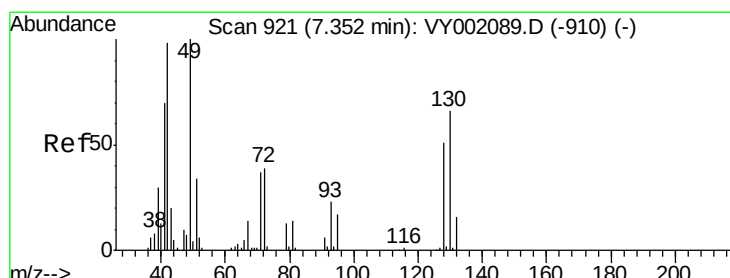
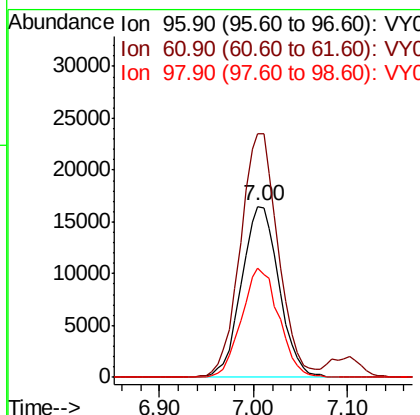
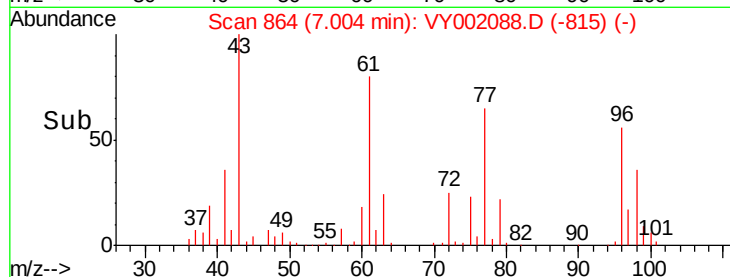
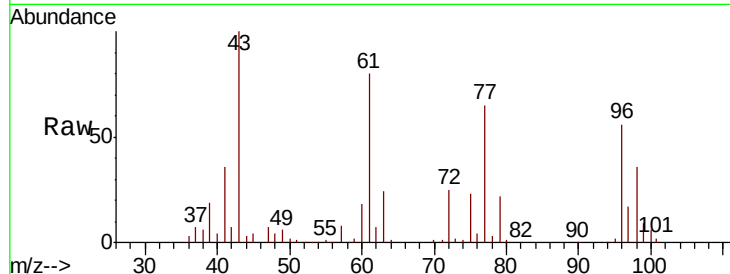
#27
 cis-1,2-Dichloroethene
 Concen: 20.213 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	290.6
98	63.8	0.0	128.0

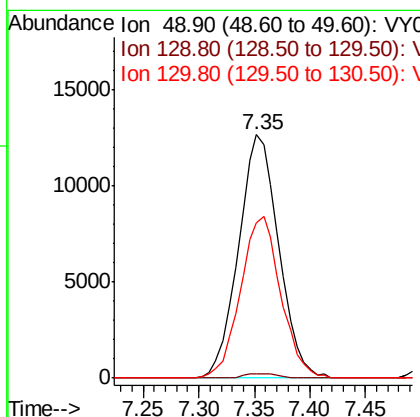
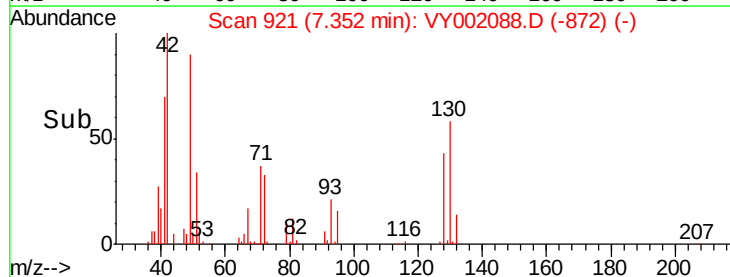
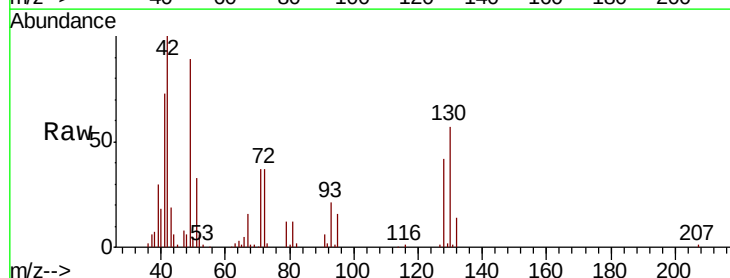
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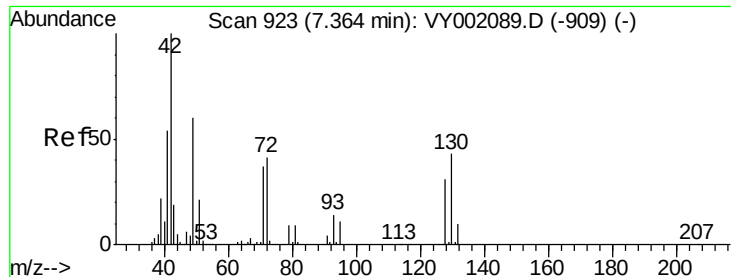
apatel
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#28
 Bromochloromethane
 Concen: 19.154 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	66.6	54.1	81.1





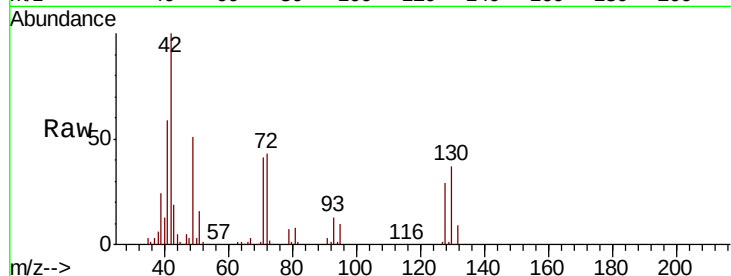
#29
Tetrahydrofuran
Concen: 102.575 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.0	49.4
71	39.5	31.2	46.8

Manual Integrations
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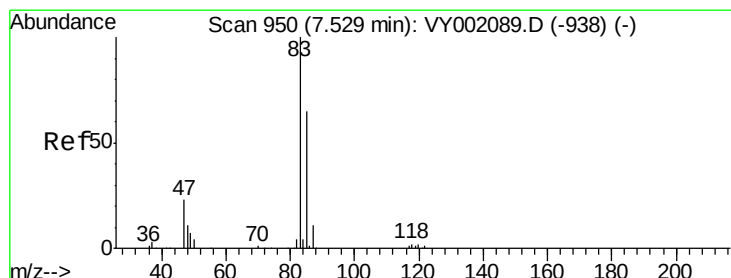
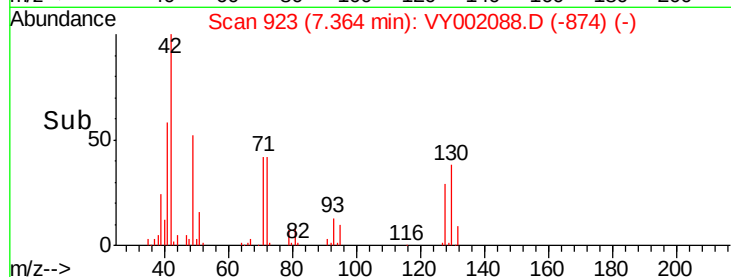
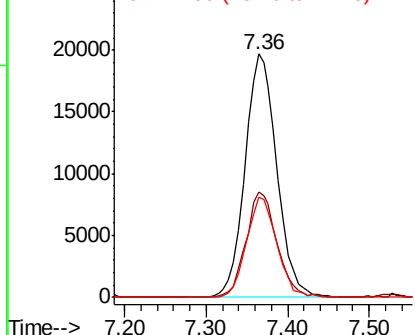


Abundance

Ion 42.00 (41.70 to 42.70): VY0

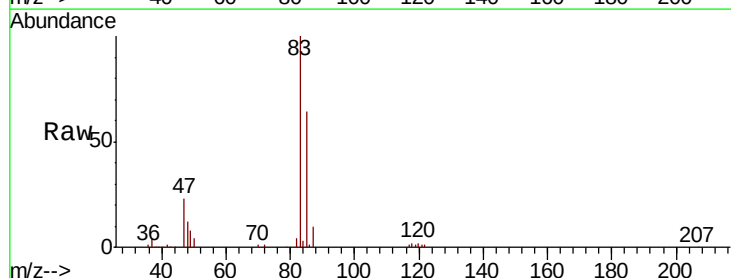
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30
Chloroform
Concen: 19.882 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

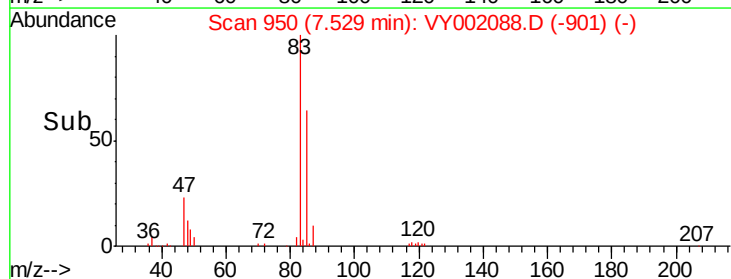
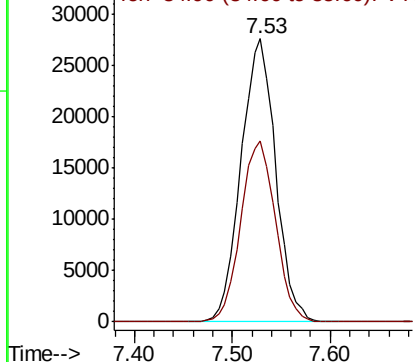
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6

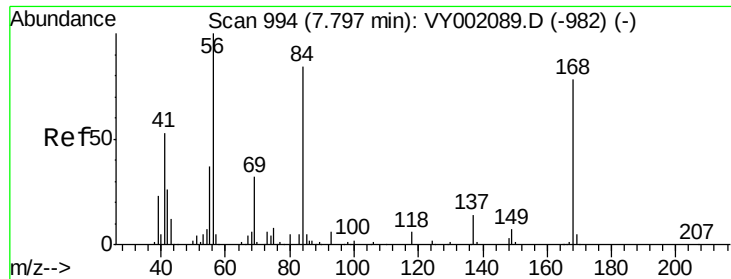


Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





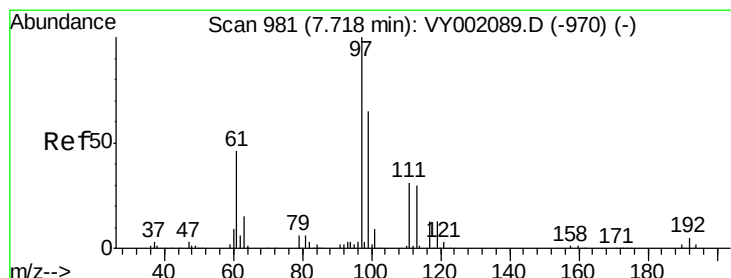
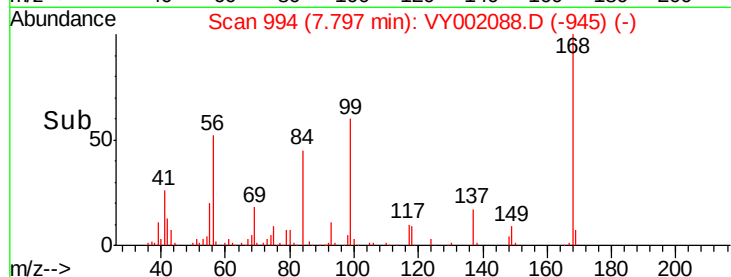
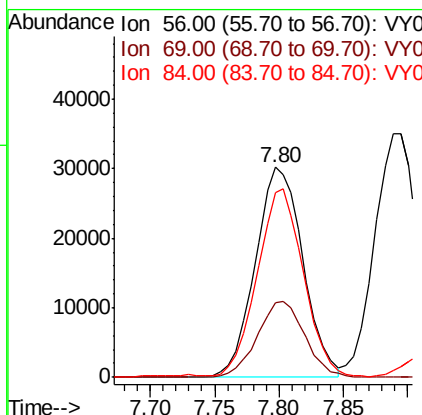
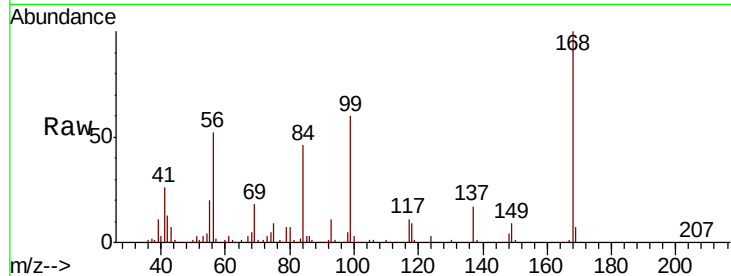
#31
Cyclohexane
Concen: 19.929 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.8	38.8
84	86.5	67.1	100.7

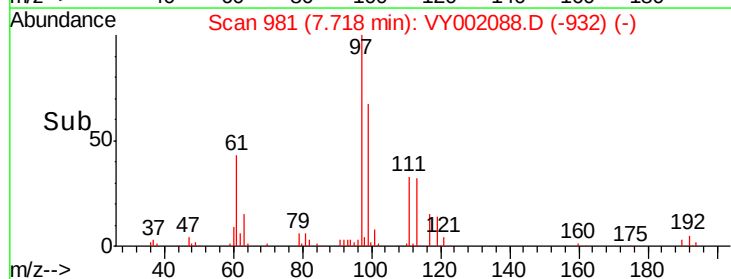
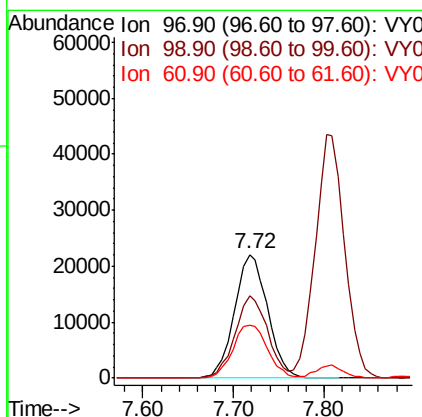
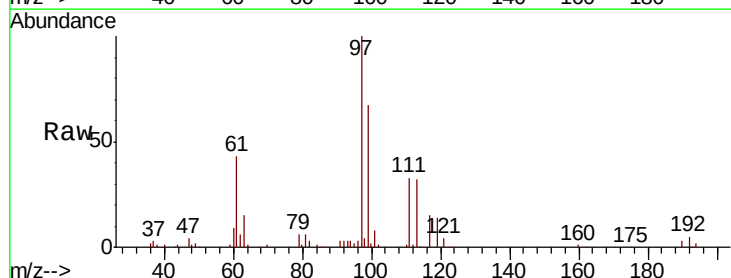
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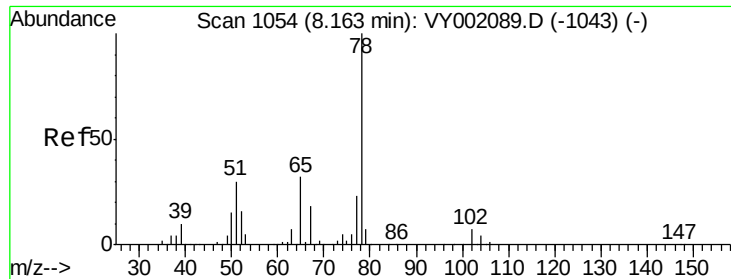
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#32
1,1,1-Trichloroethane
Concen: 19.537 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.0	78.0
61	45.5	35.7	53.5





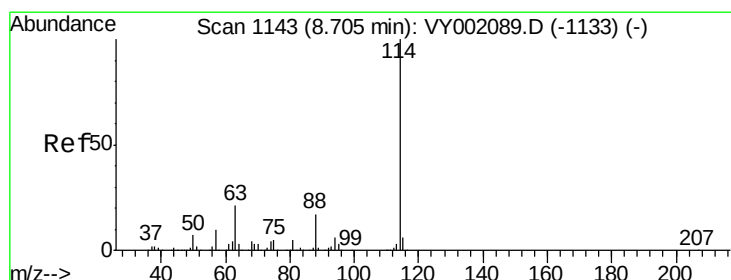
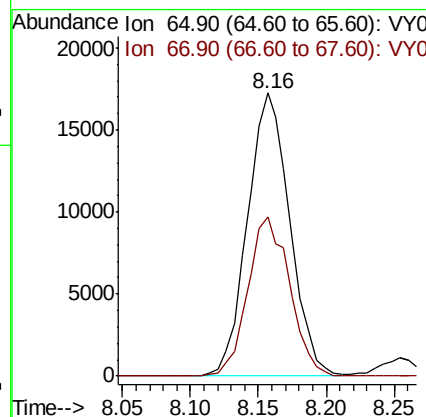
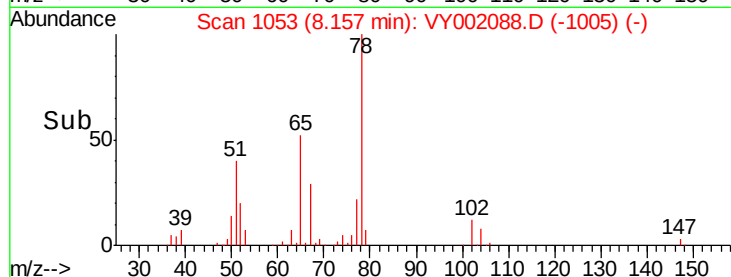
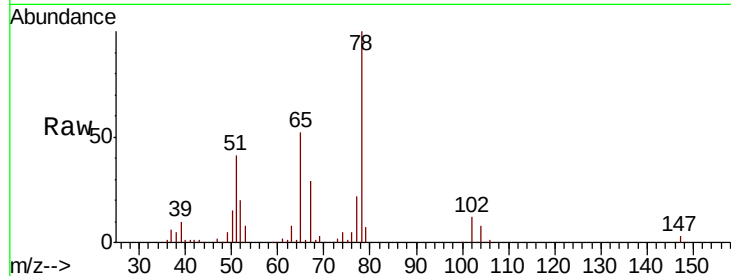
#33
 1,2-Dichloroethane-d4
 Concen: 20.856 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	112.8

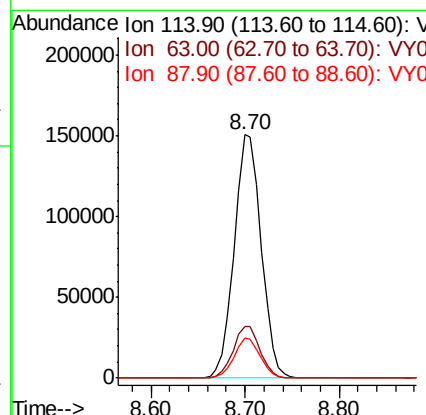
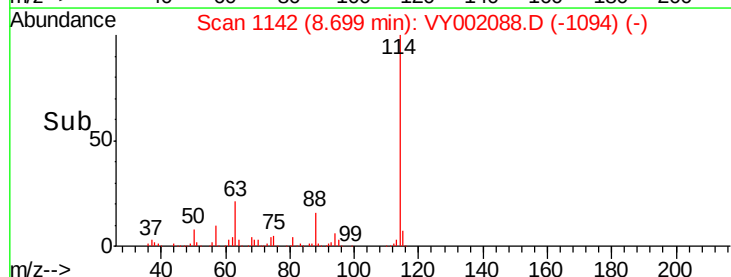
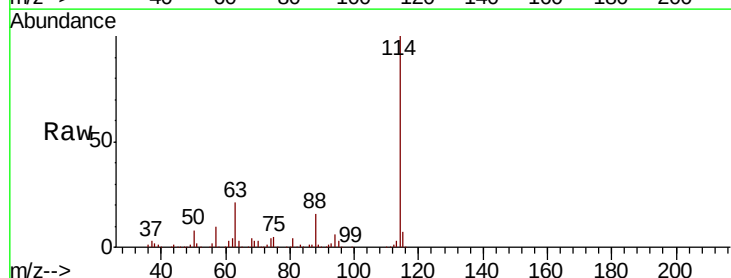
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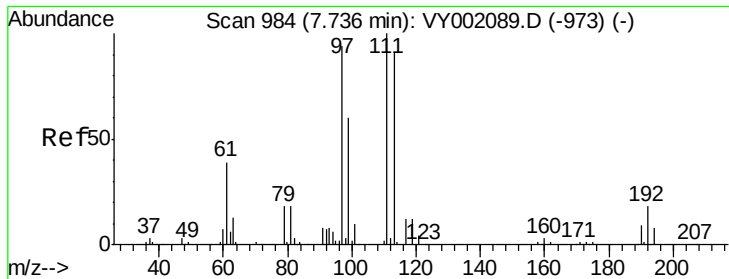
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.4
88	16.3	0.0	33.0





#35

Dibromofluoromethane

Concen: 20.344 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

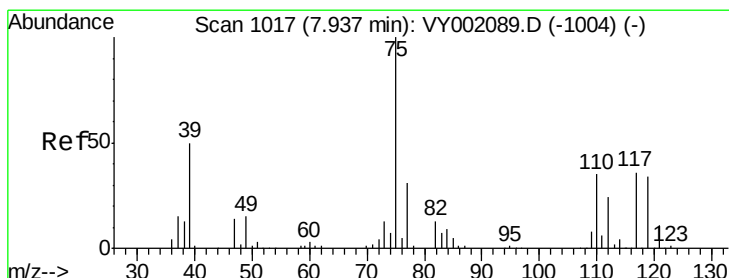
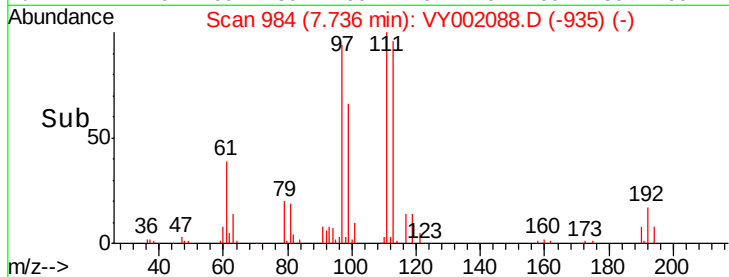
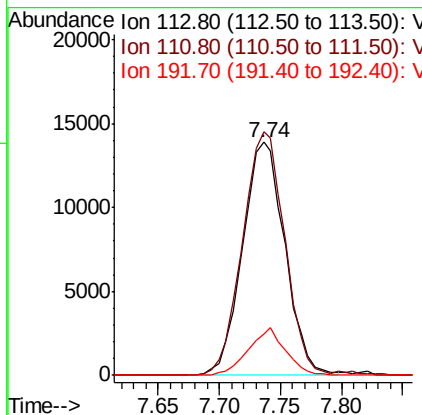
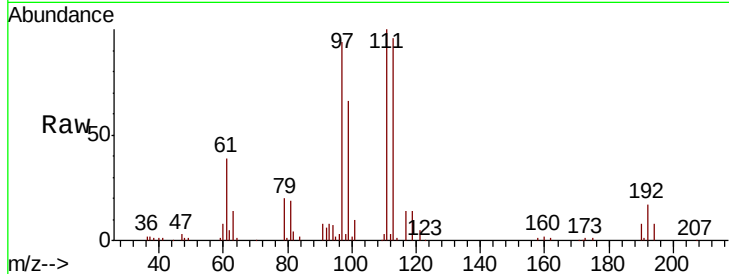
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	33405
Ion Ratio	Lower	Upper	
113	100		
111	104.0	84.4	126.6
192	17.9	14.6	21.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.040 ug/l

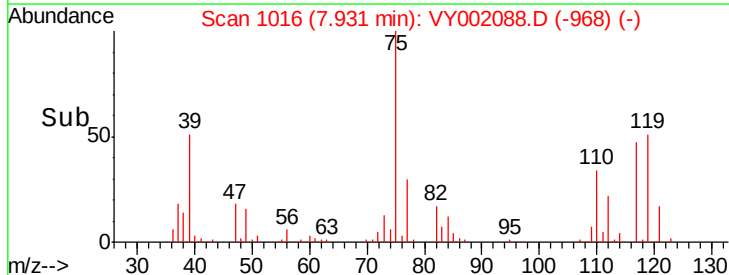
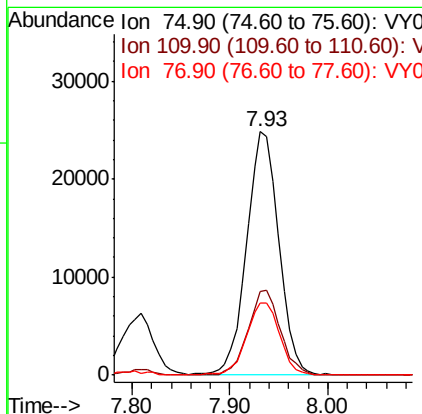
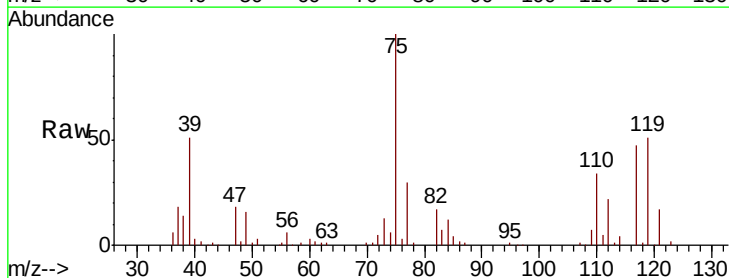
RT: 7.93 min Scan# 1016

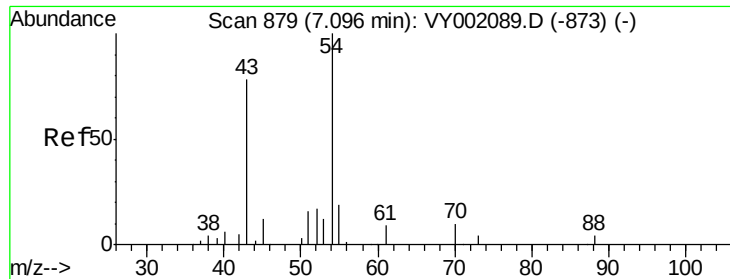
Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	75	Resp:	57170
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.2	51.6
77	30.4	24.7	37.1





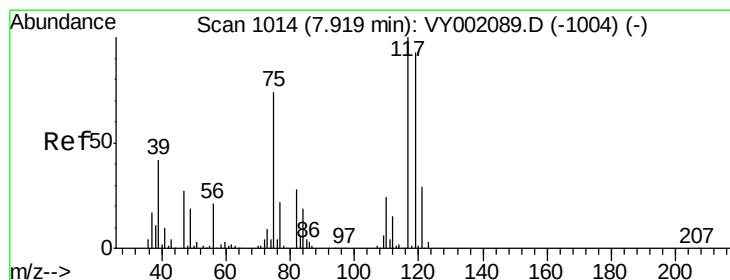
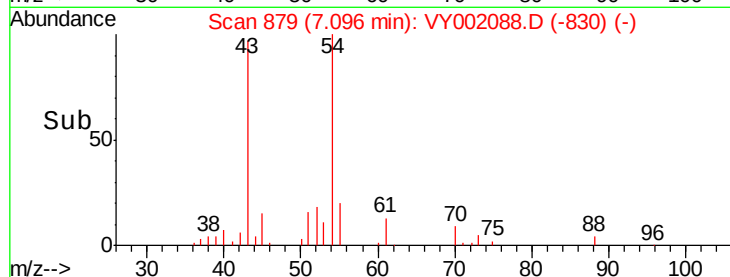
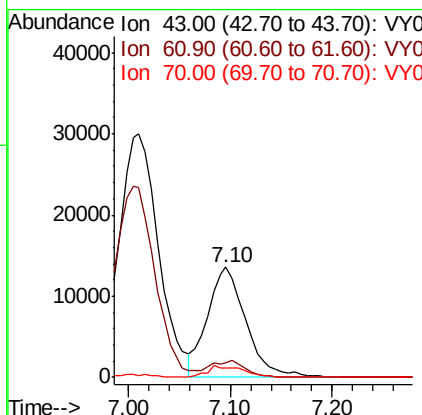
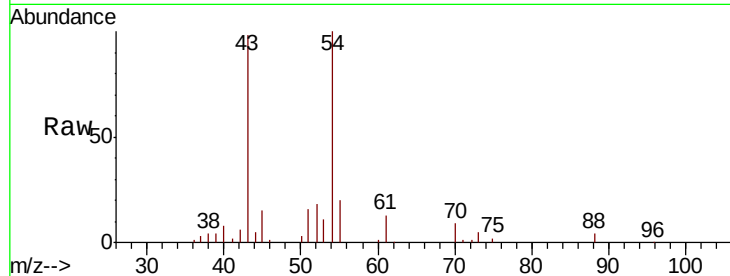
#37
Ethyl Acetate
Concen: 21.593 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	10.1	8.2	12.4

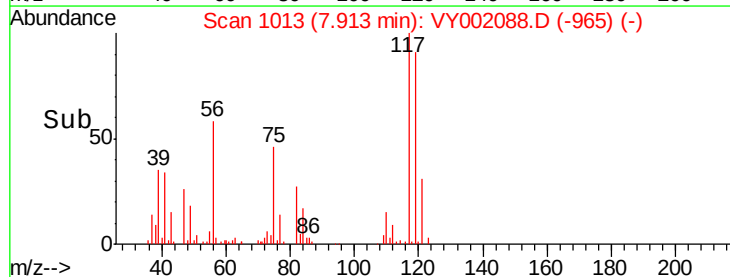
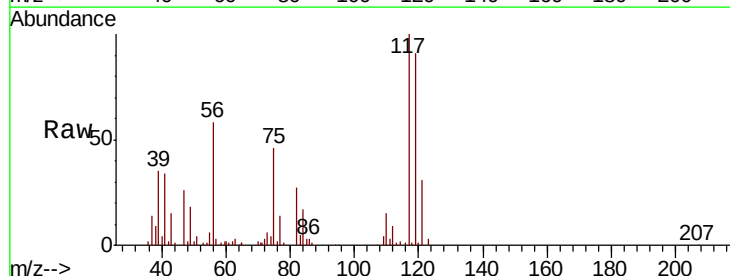
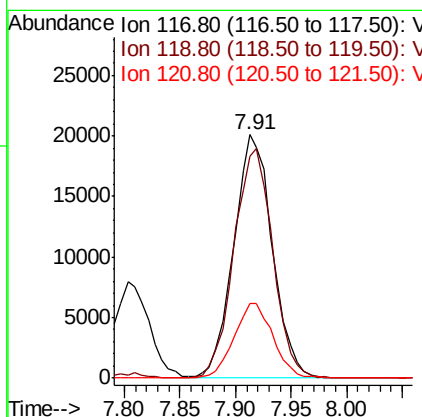
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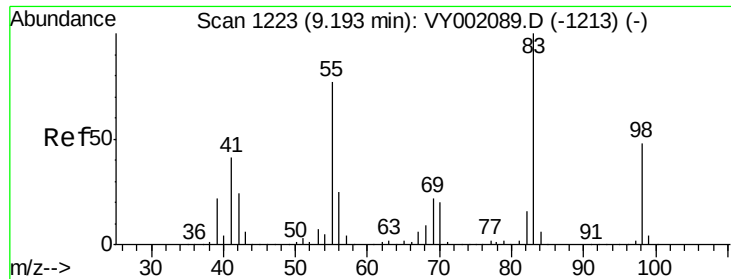
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#38
Carbon Tetrachloride
Concen: 19.799 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	74.3	111.5
121	30.7	23.3	34.9





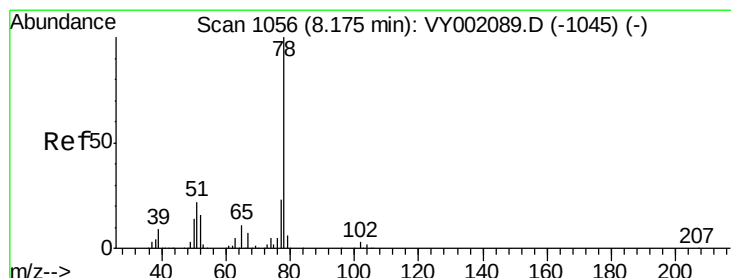
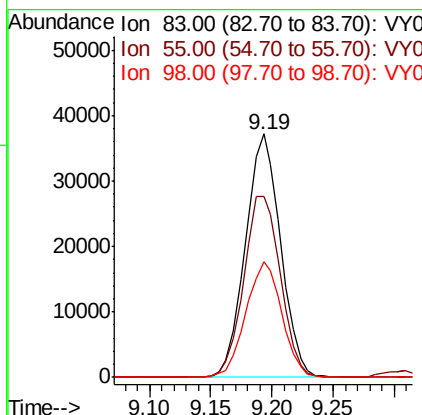
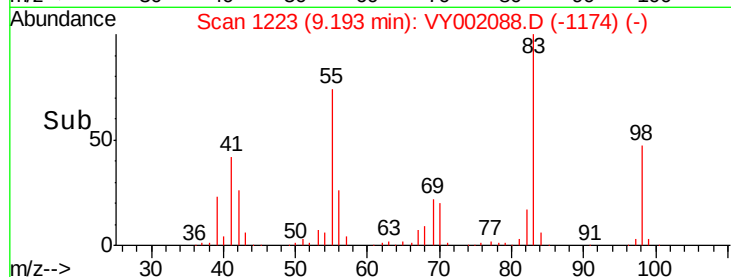
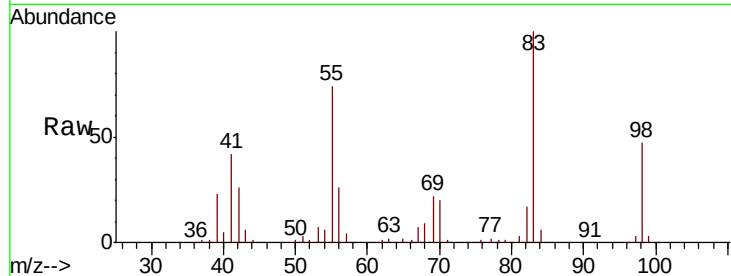
#39
Methylvlcyclohexane
Concen: 19.628 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.2	91.8
98	47.4	38.2	57.2

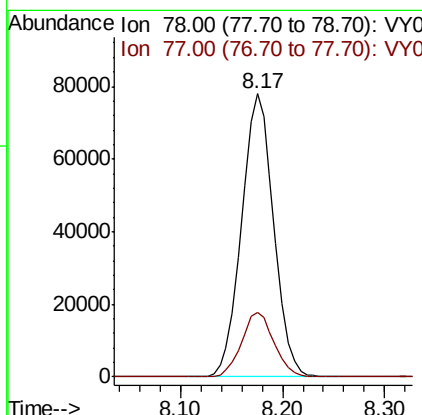
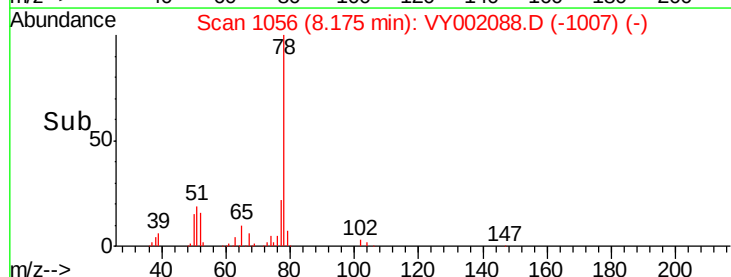
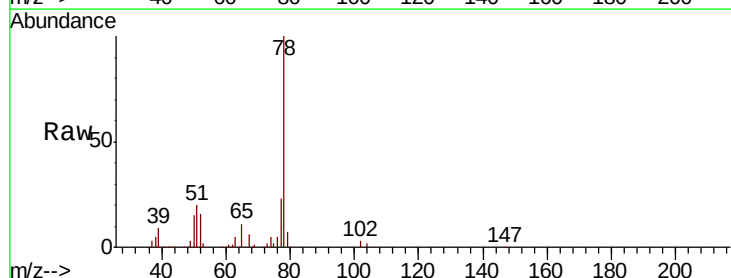
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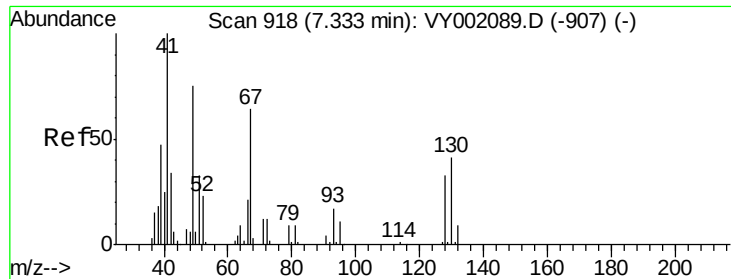
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#40
Benzene
Concen: 20.081 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.2	27.4





#41

Methacrylonitrile

Concen: 27.051 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY002088.D

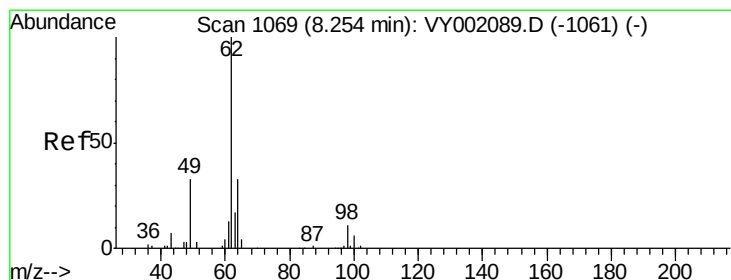
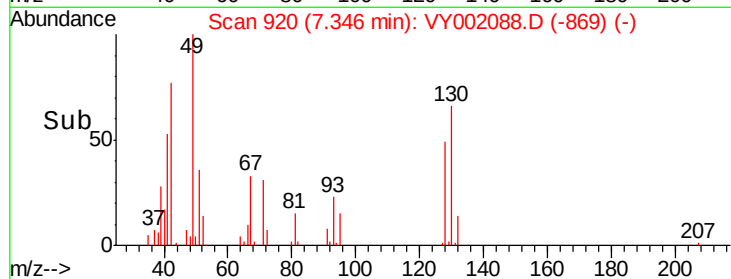
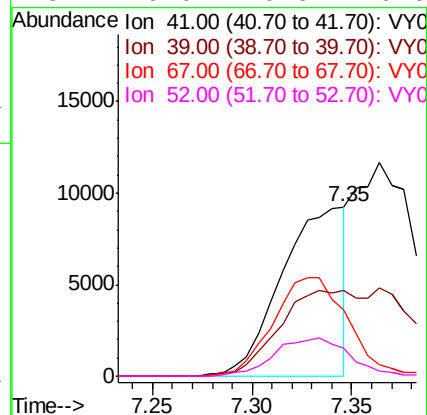
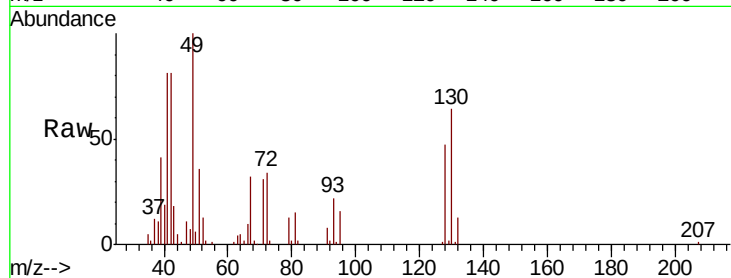
Acq: 26 Mar 2020 16:09

Tot Ion:	41	Resp:	20838
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 :
VSTDIC020

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.949 ug/l

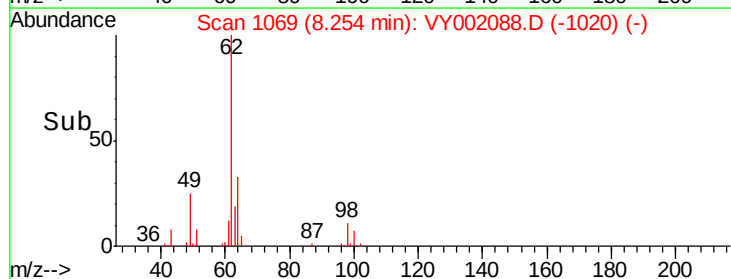
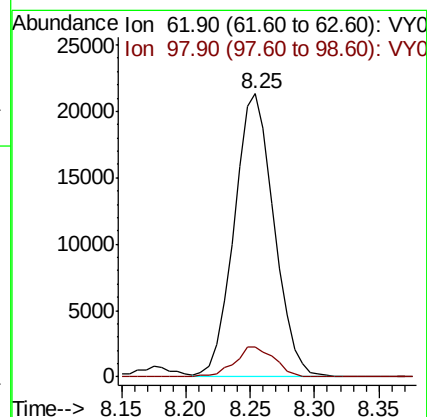
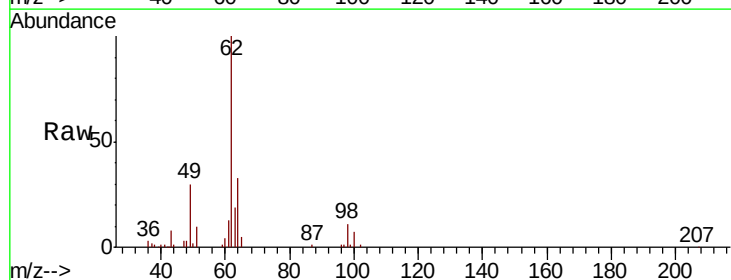
RT: 8.25 min Scan# 1069

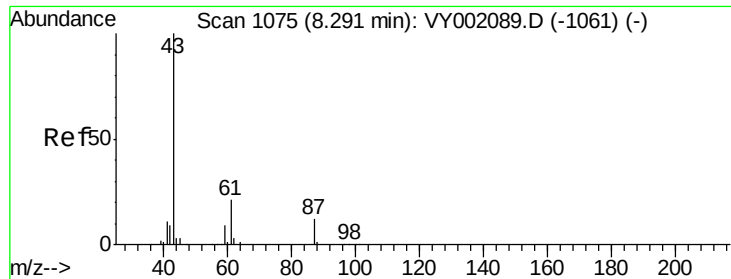
Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	62	Resp:	45774
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	21.2





#43

Isopropyl Acetate

Concen: 20.926 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

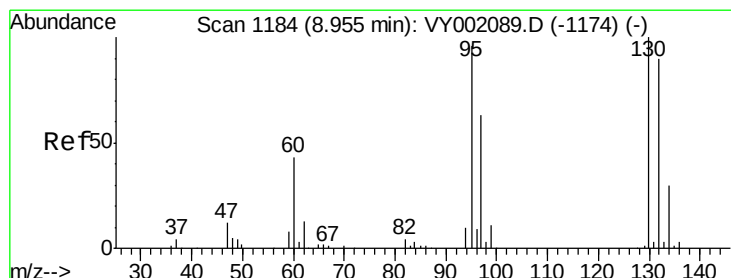
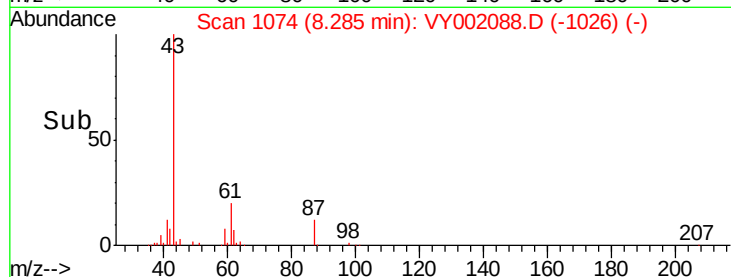
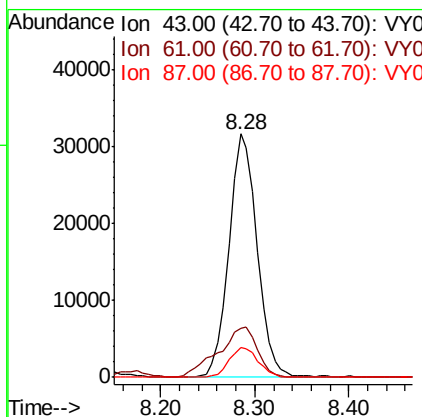
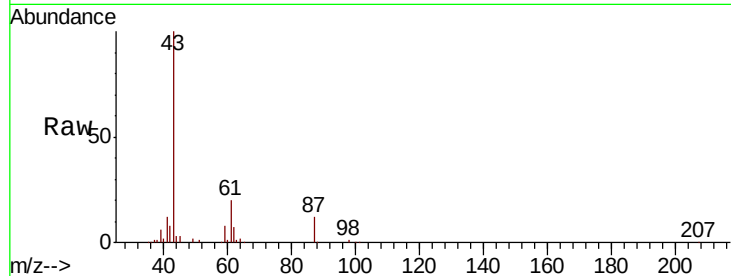
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	65761
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.4	35.2
87	12.6	10.2	15.4

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#44

Trichloroethene

Concen: 19.877 ug/l

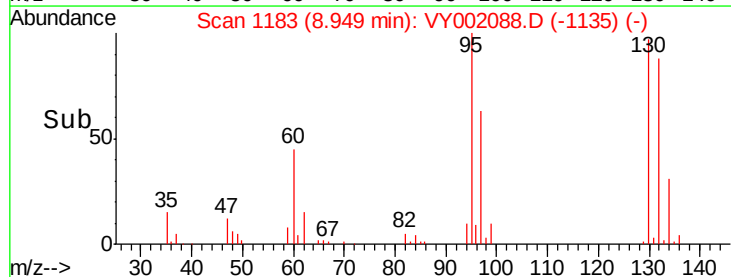
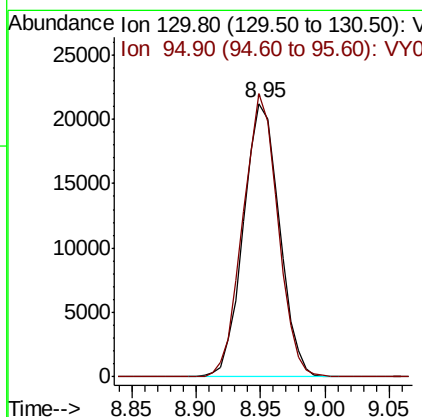
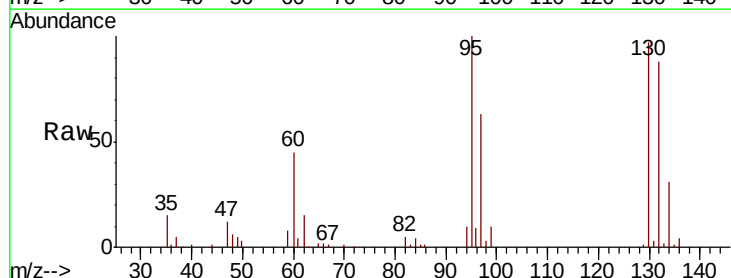
RT: 8.95 min Scan# 1183

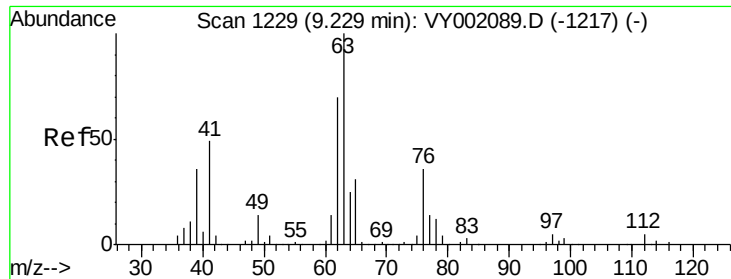
Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	130	Resp:	41045
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	193.0





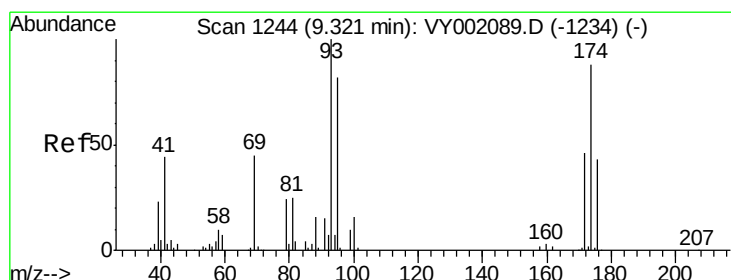
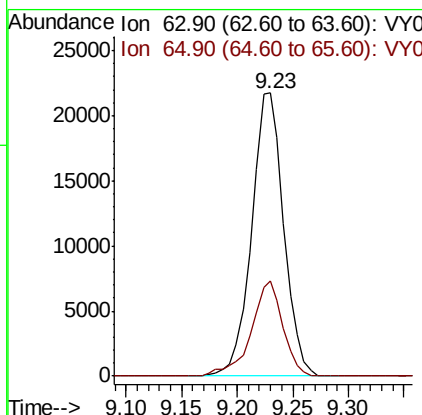
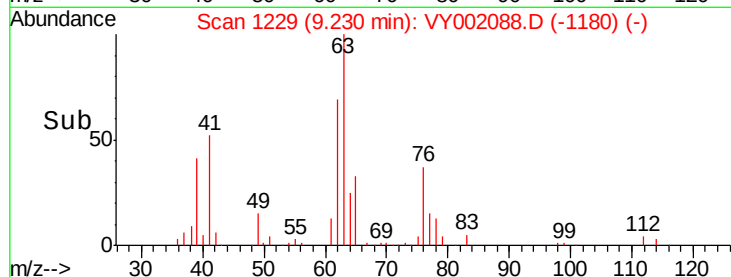
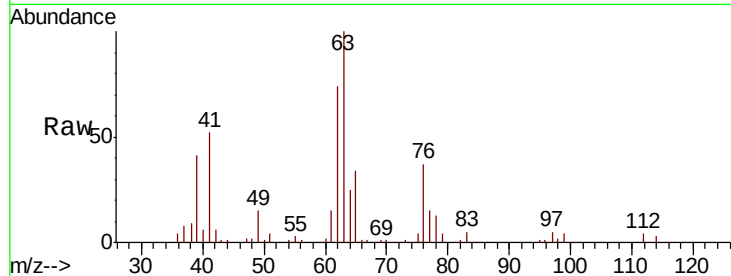
#45
 1,2-Dichloropropane
 Concen: 20.456 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 43644
 Ion Ratio Lower Upper
 63 100
 65 33.7 25.0 37.6

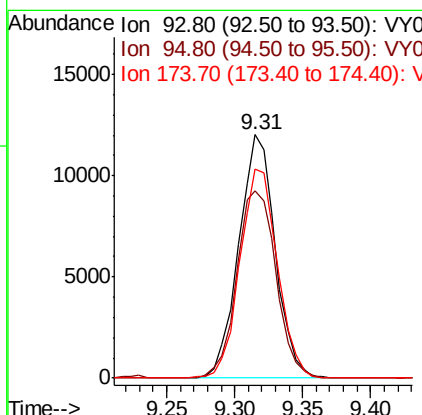
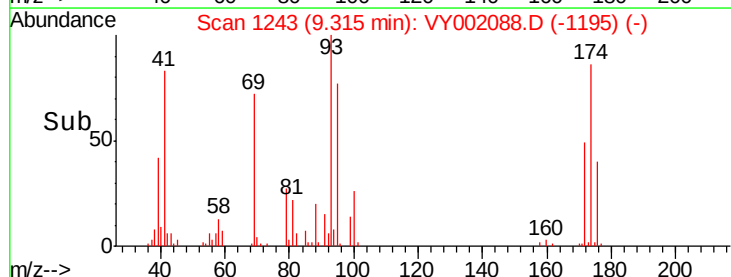
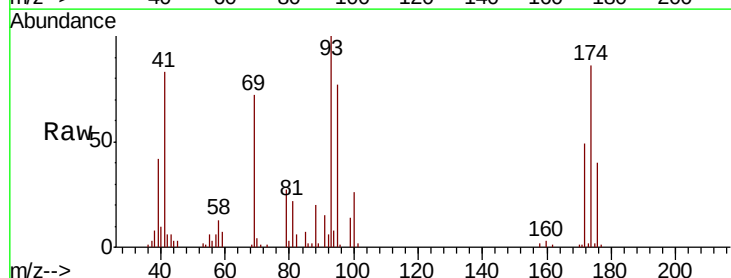
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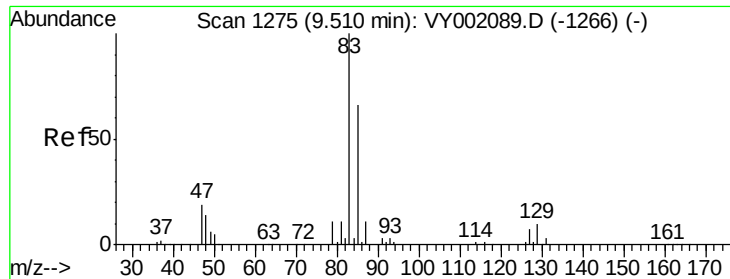
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#46
 Dibromomethane
 Concen: 20.491 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion: 93 Resp: 22529
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.0 99.0
 174 88.2 69.8 104.8





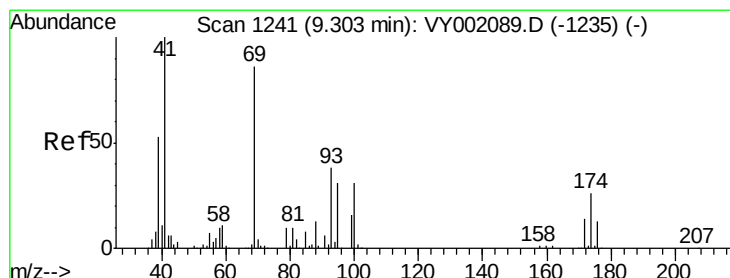
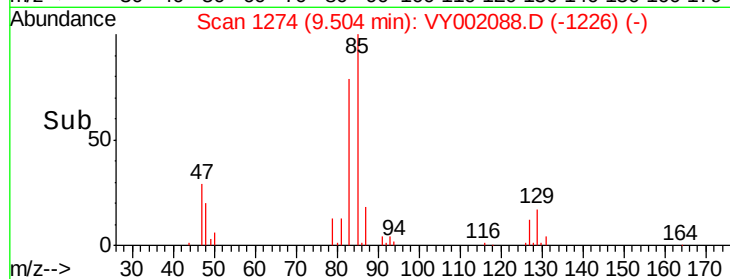
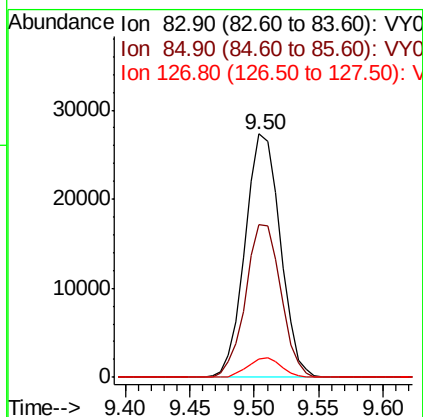
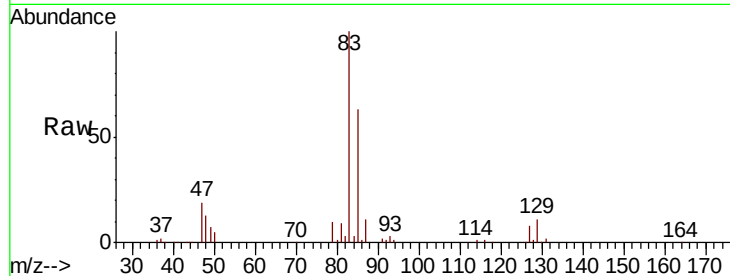
#47
Bromodichloromethane
Concen: 20.150 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	51591
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	52.6	79.0
127	7.5	5.9	8.9

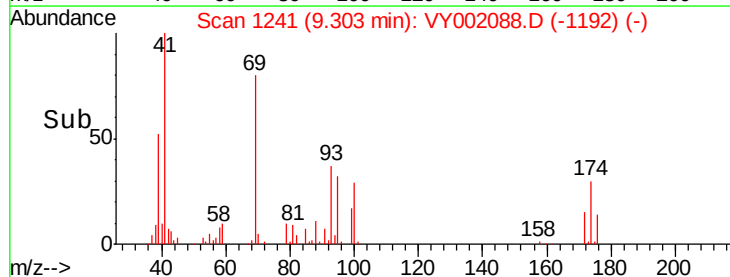
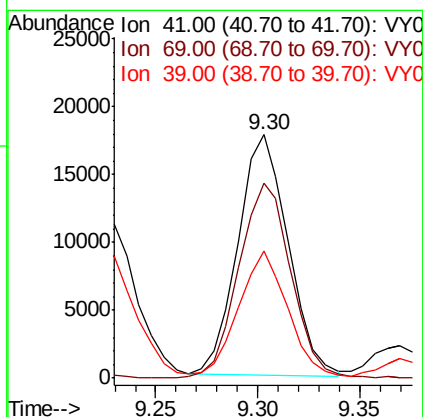
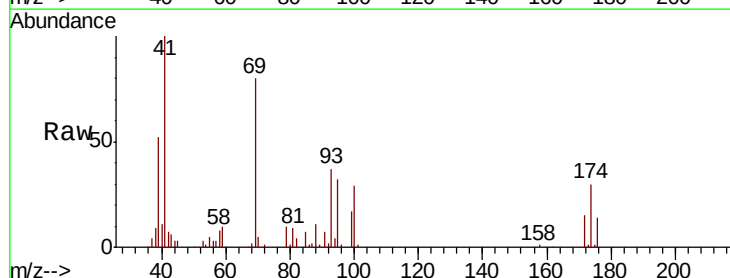
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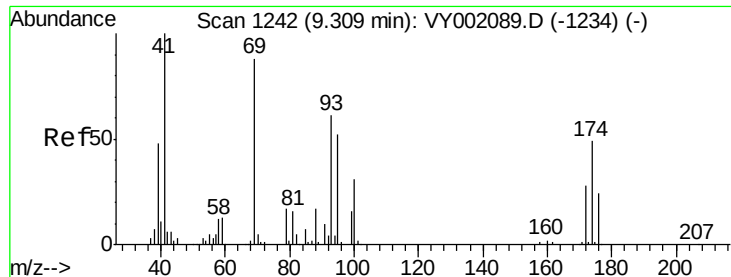
apatel
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#48
Methyl methacrylate
Concen: 21.774 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	41	Resp	30140
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	71.4	107.0
39	50.1	41.0	61.4





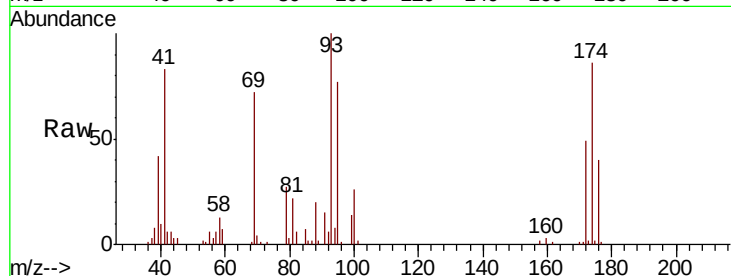
#49
1,4-Dioxane
Concen: 404.665 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.2	40.8
58	70.3	59.8	89.8

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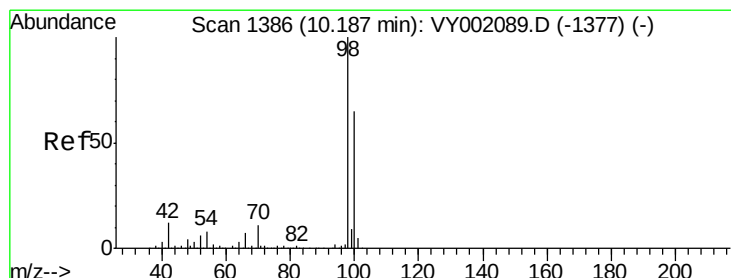
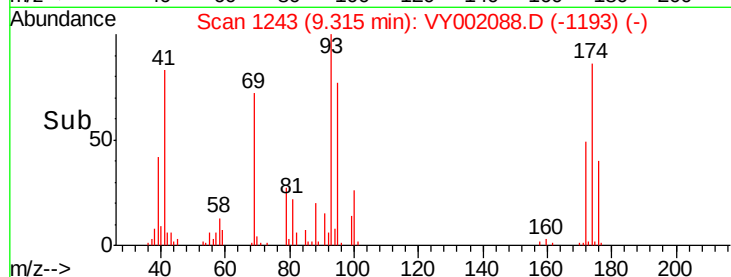
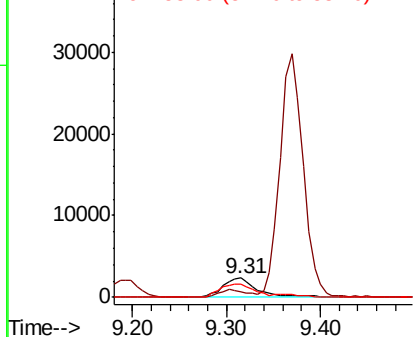


Abundance

Ion 88.00 (87.70 to 88.70): VY0

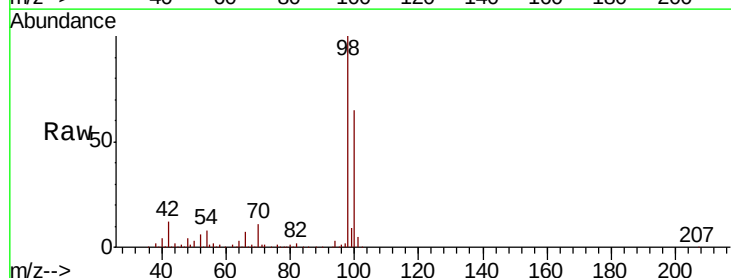
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 20.122 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

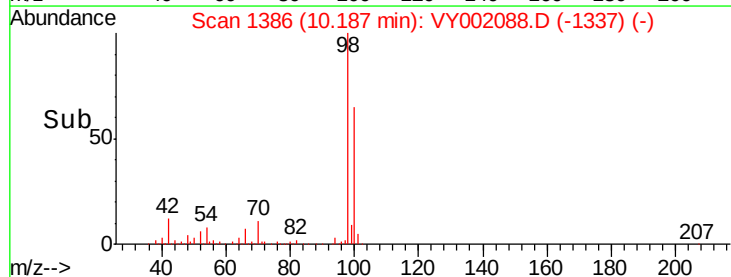
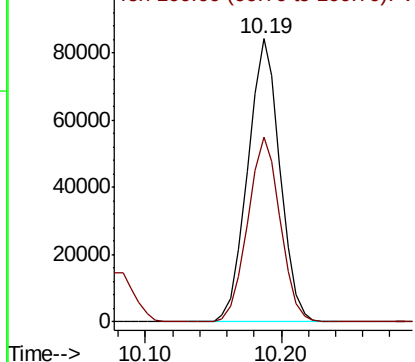
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.6	77.4

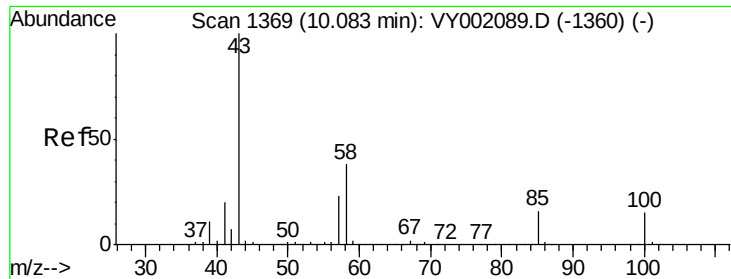


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





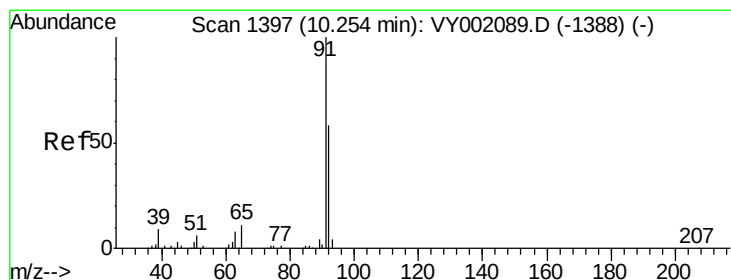
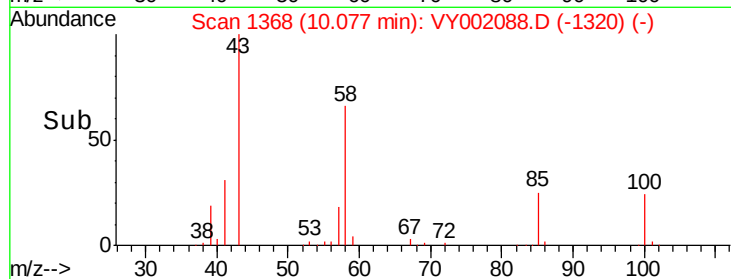
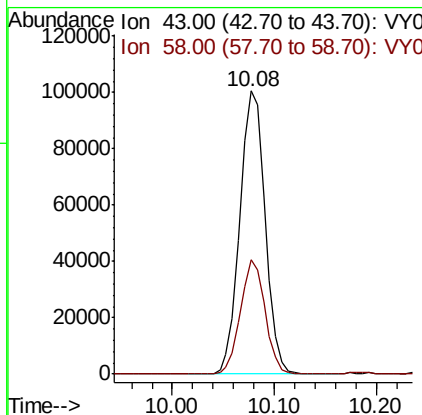
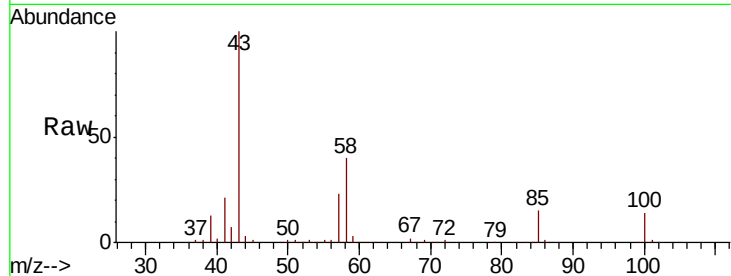
#51
4-Methyl-2-Pentanone
Concen: 106.835 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

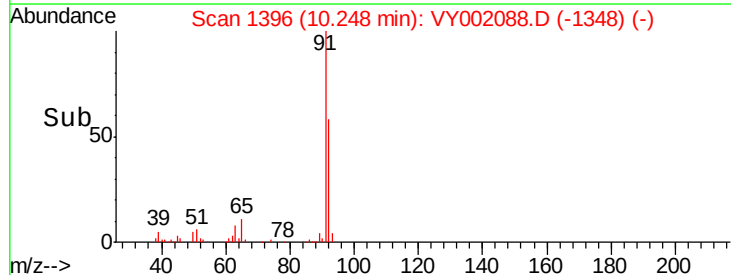
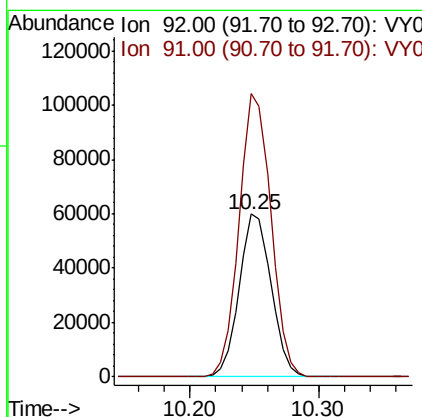
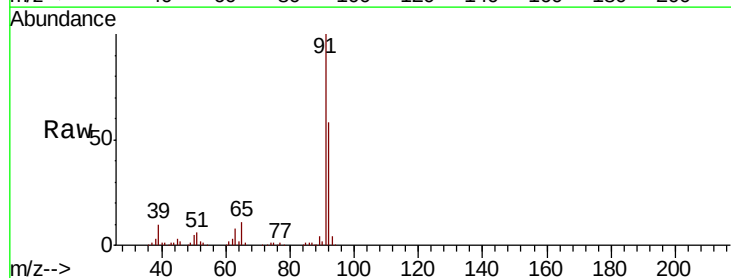
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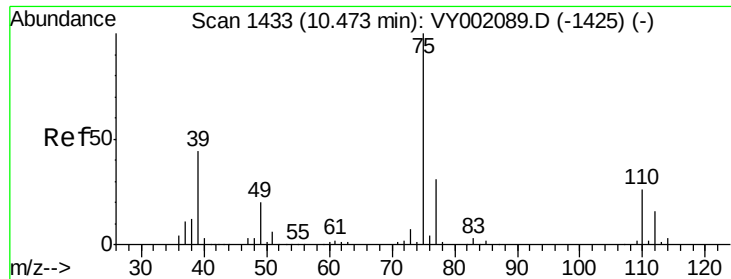
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#52
Toluene
Concen: 20.030 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	139.3	208.9





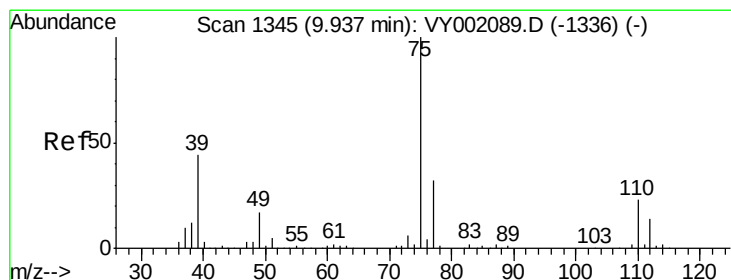
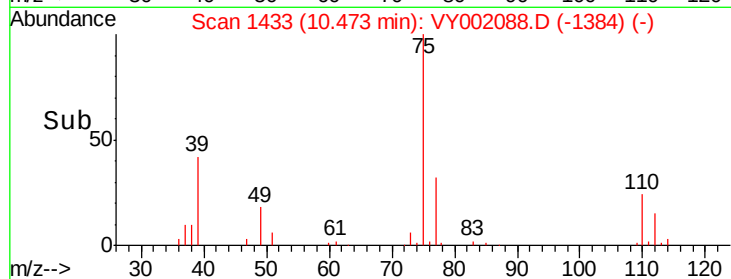
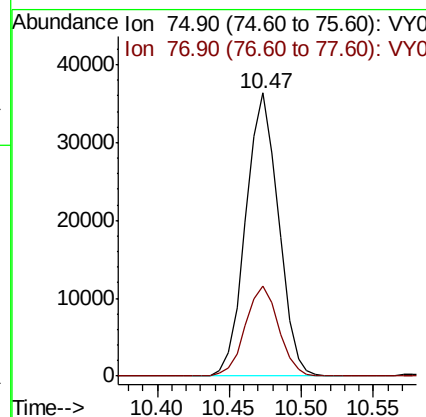
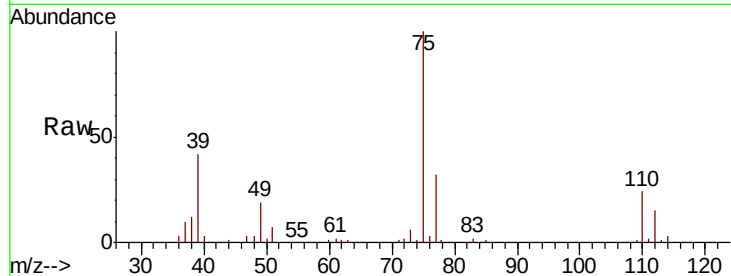
#53
t-1,3-Dichloropropene
Concen: 20.510 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 57158
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

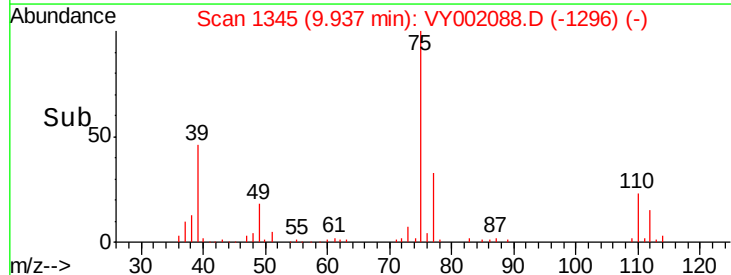
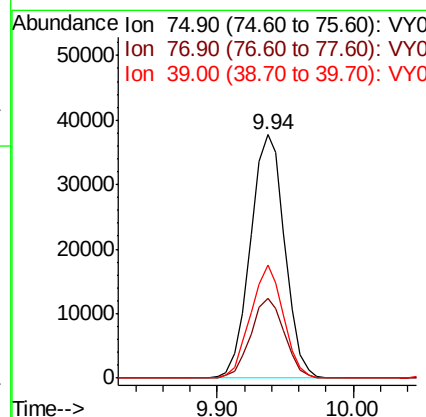
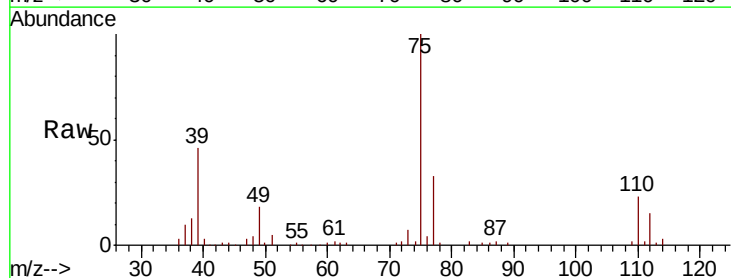
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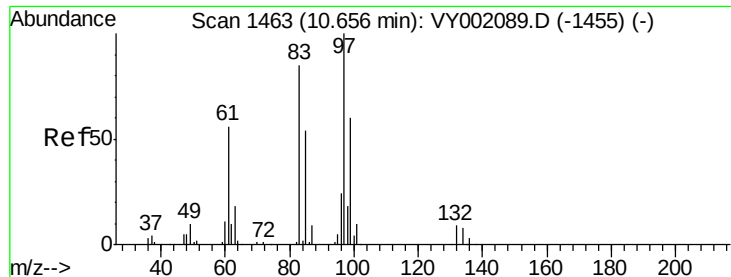
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#54
cis-1,3-Dichloropropene
Concen: 20.041 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion: 75 Resp: 66491
Ion Ratio Lower Upper
75 100
77 33.0 25.6 38.4
39 46.2 35.2 52.8





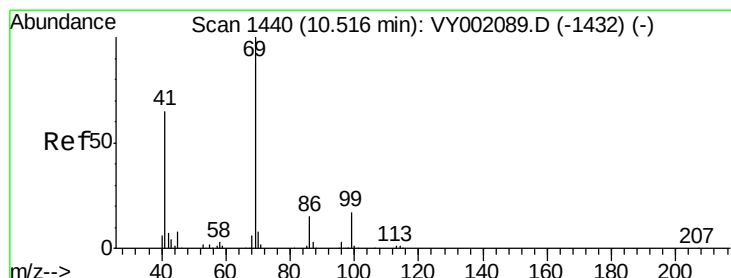
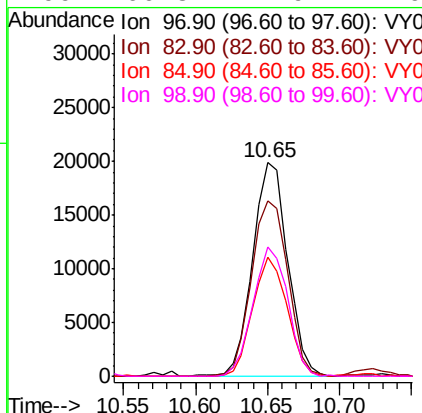
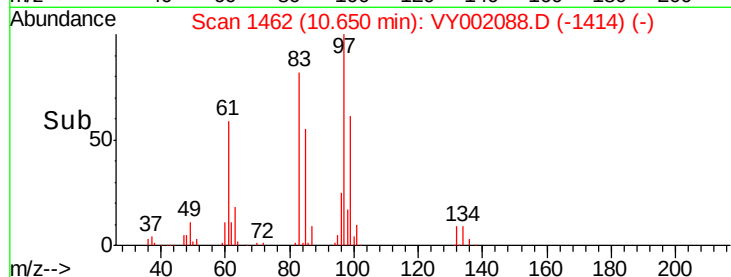
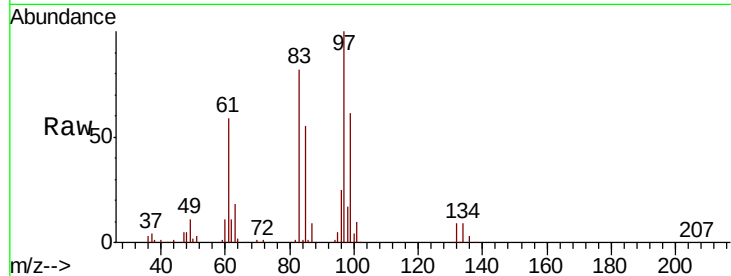
#55
 1,1,2-Trichloroethane
 Concen: 20.723 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	33407
Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.2	102.2
85	55.5	42.9	64.3
99	60.8	47.9	71.9

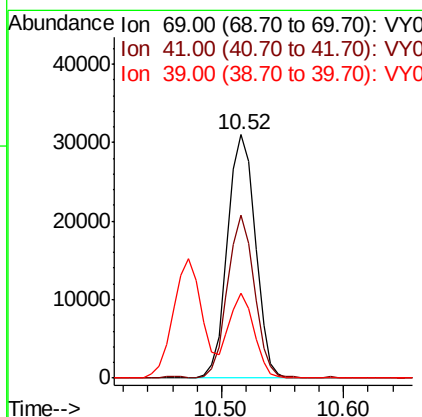
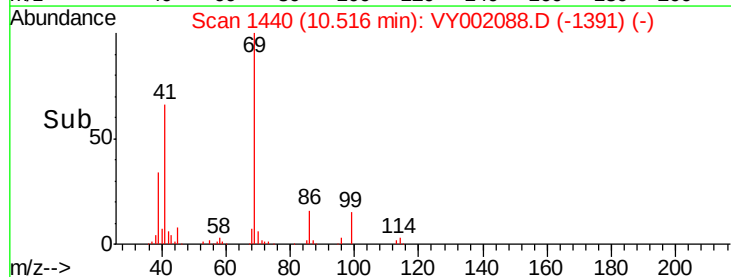
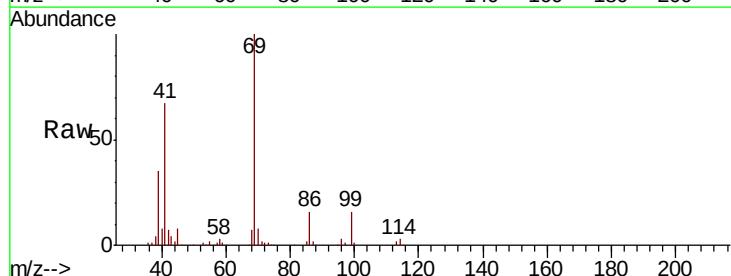
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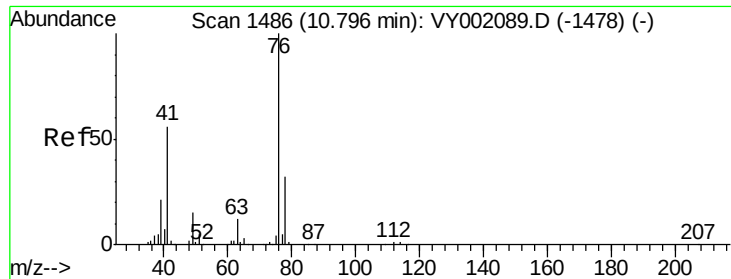
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#56
 Ethyl methacrylate
 Concen: 20.853 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion:	69	Resp:	48902
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.8	79.2
39	31.6	25.0	37.6





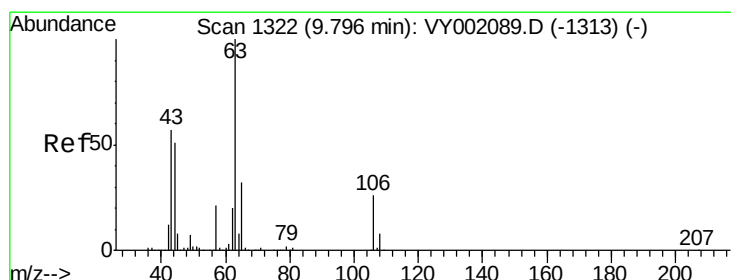
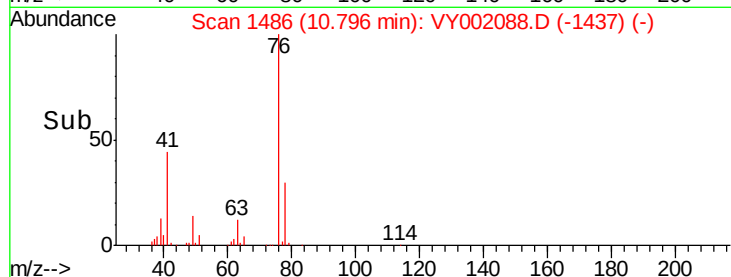
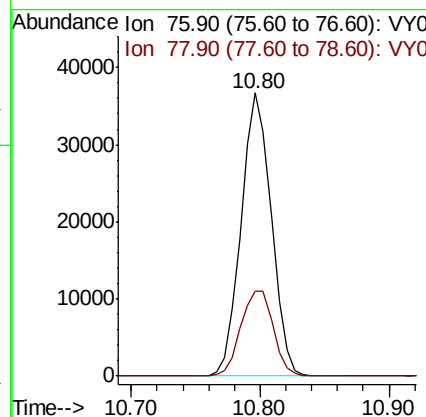
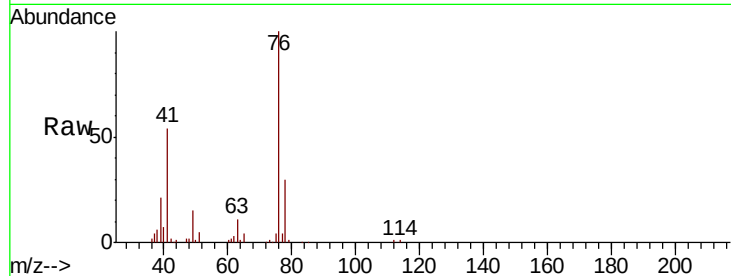
#57
 1,3-Dichloropropane
 Concen: 20.708 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

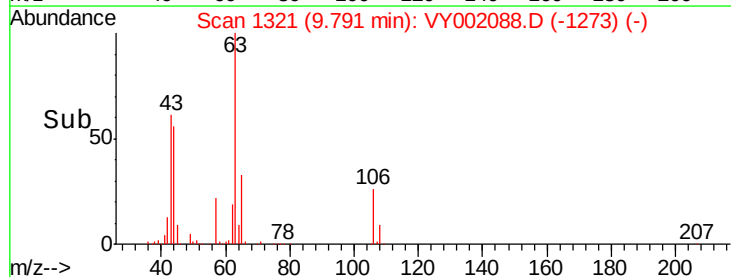
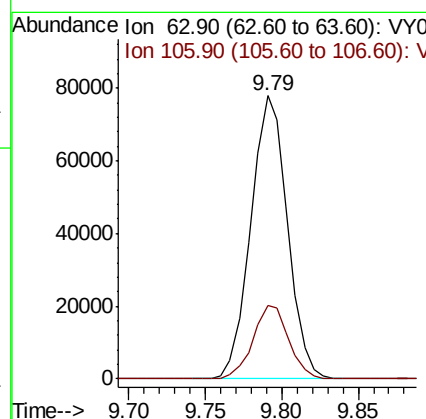
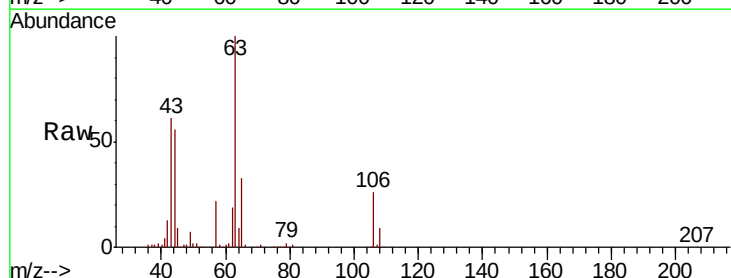
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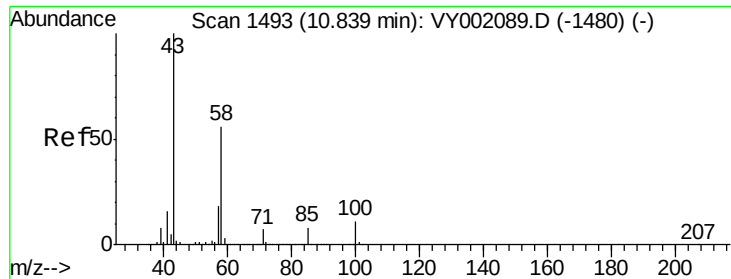
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#58
 2-Chloroethyl Vinyl ether
 Concen: 129.433 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	21.0	31.4





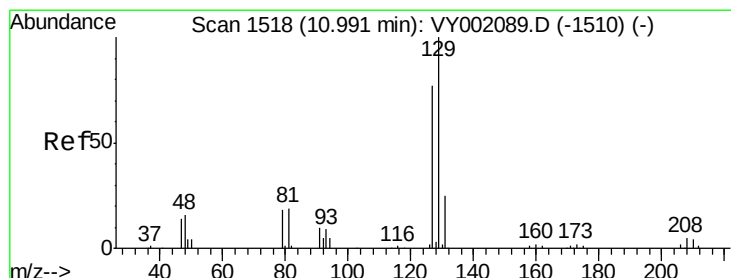
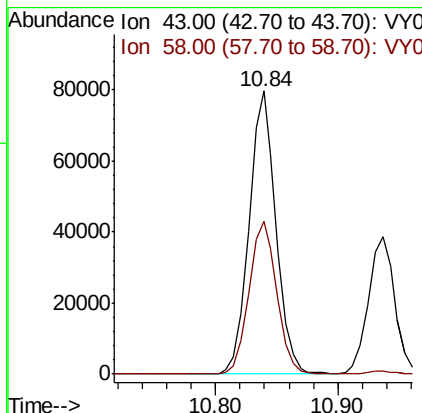
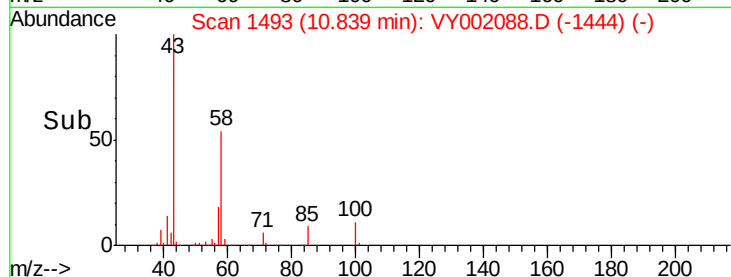
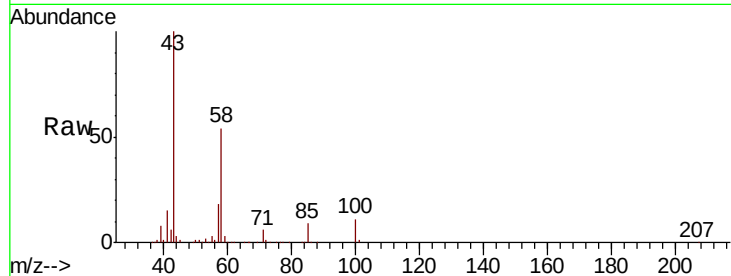
#59
2-Hexanone
Concen: 105.468 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 121475
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6

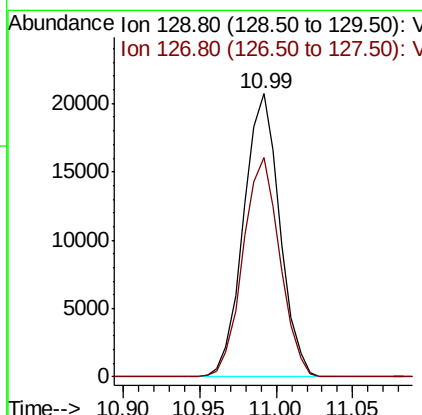
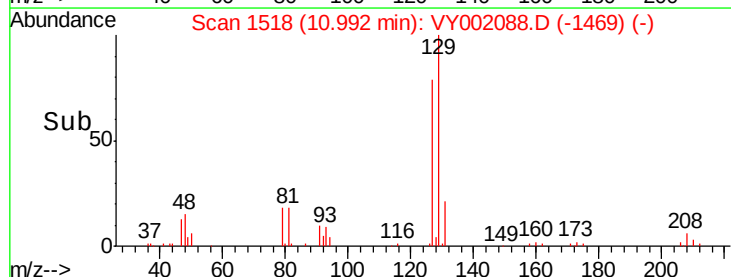
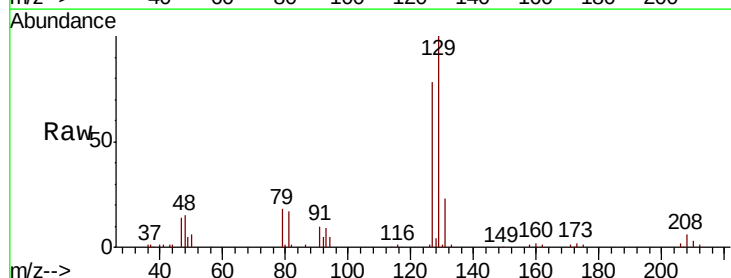
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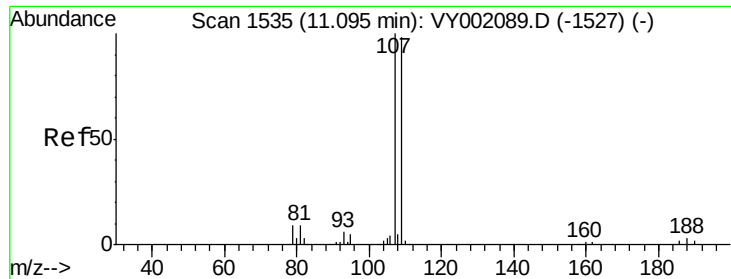
apatel
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#60
Dibromochloromethane
Concen: 20.152 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion: 129 Resp: 34073
Ion Ratio Lower Upper
129 100
127 78.7 38.7 116.1





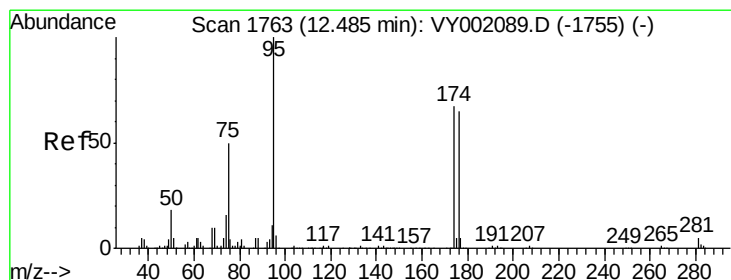
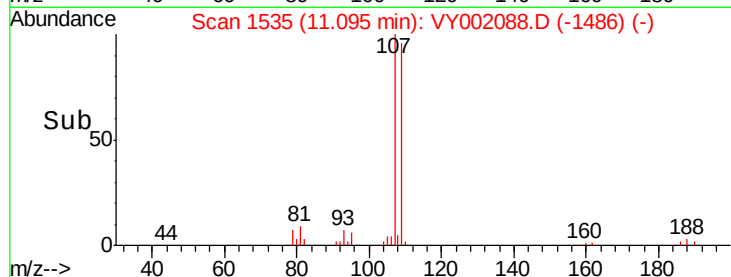
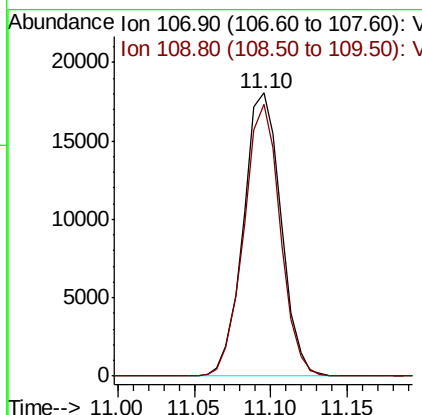
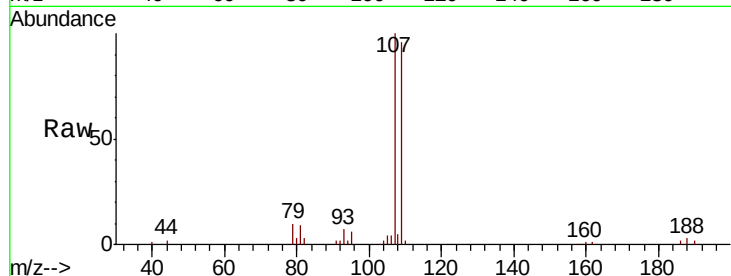
#61
 1,2-Dibromoethane
 Concen: 20.295 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	76.3	114.5

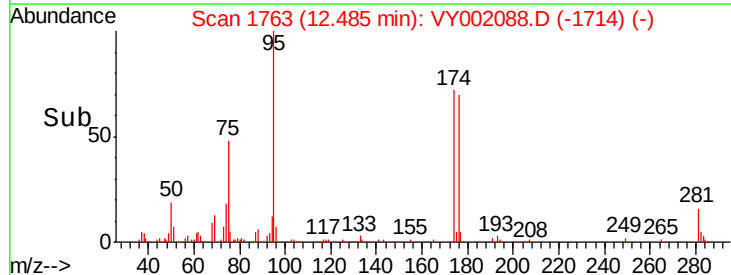
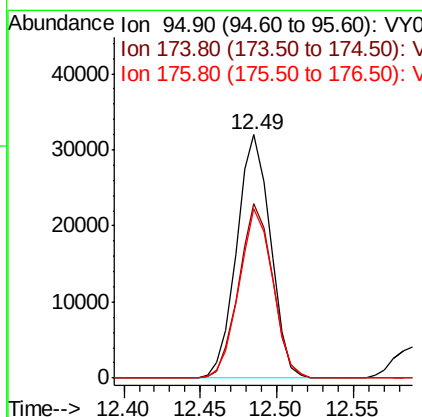
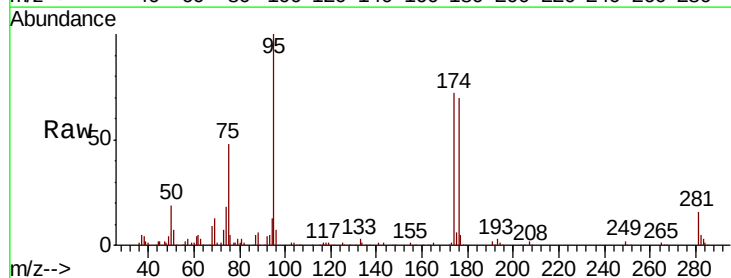
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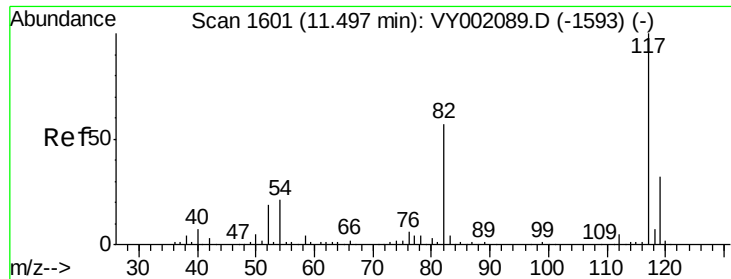
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.259 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	143.4
176	69.8	0.0	137.0





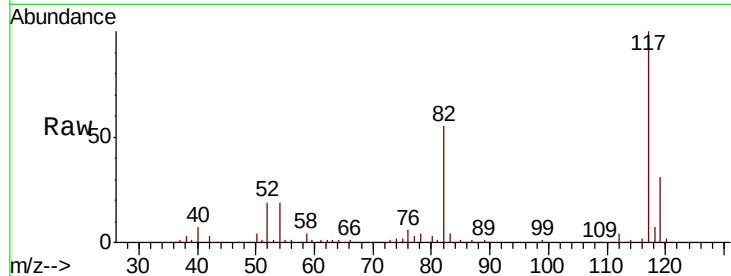
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.2
119	31.4	25.3	37.9

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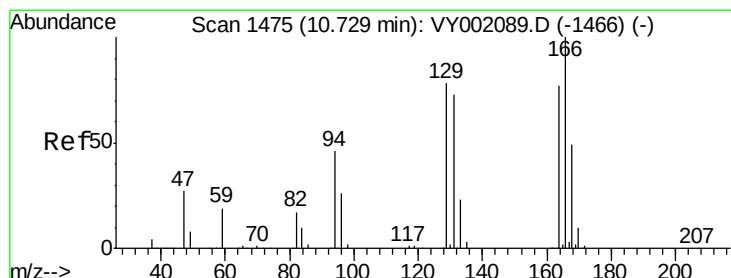
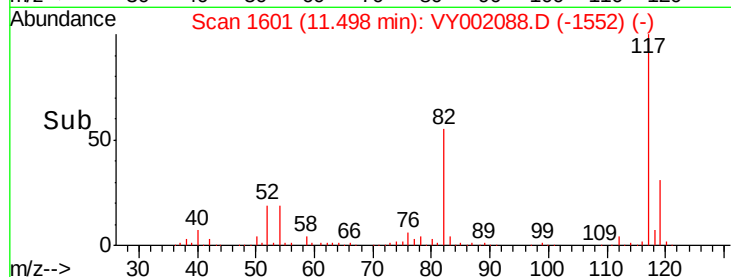
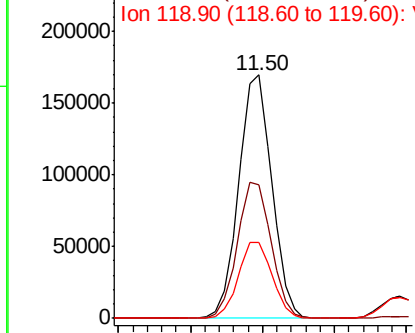


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.199 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	104.0	156.0
129	99.4	81.2	121.8
131	96.1	75.8	113.6

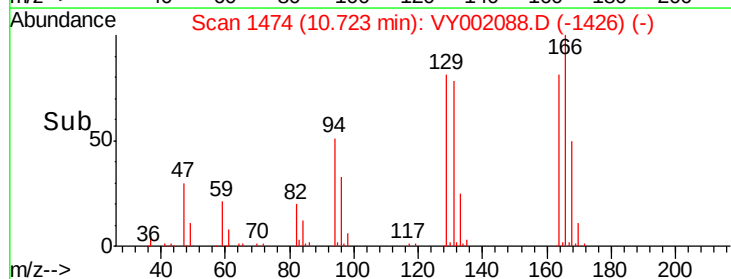
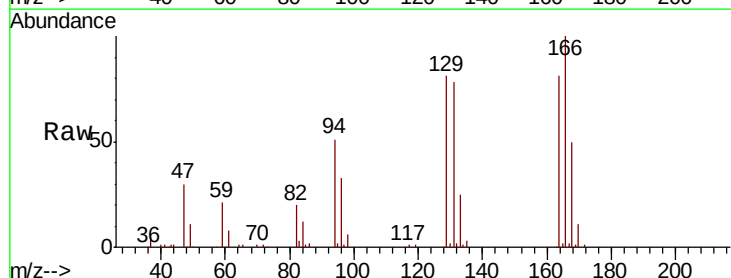
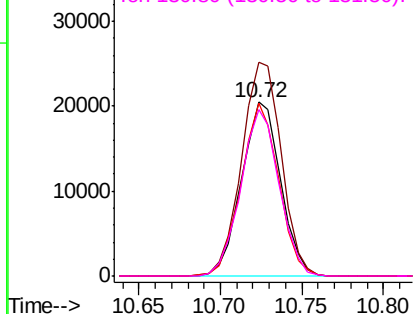
Abundance

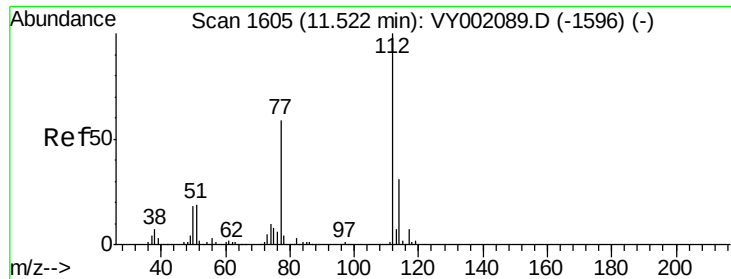
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





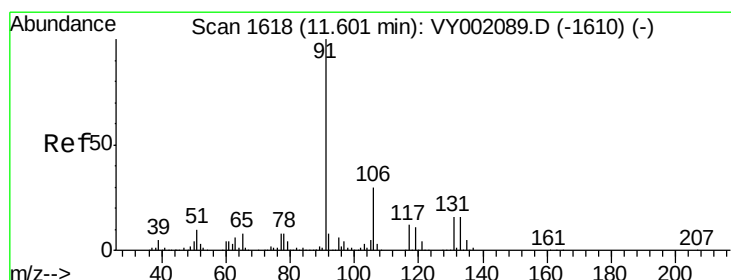
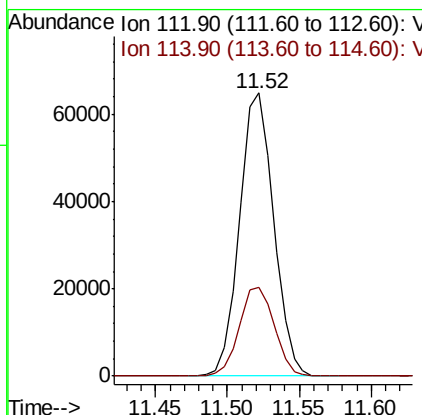
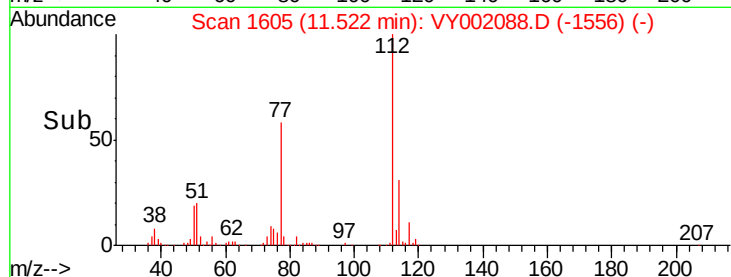
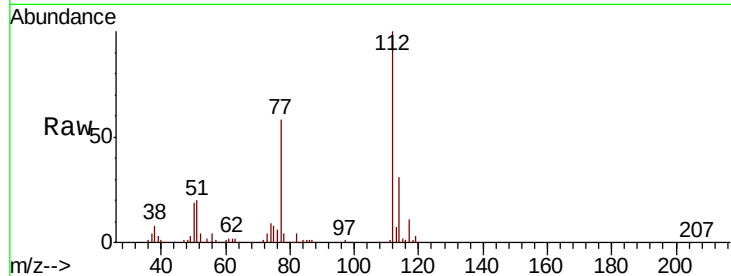
#65
Chlorobenzene
Concen: 19.900 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.9	37.3

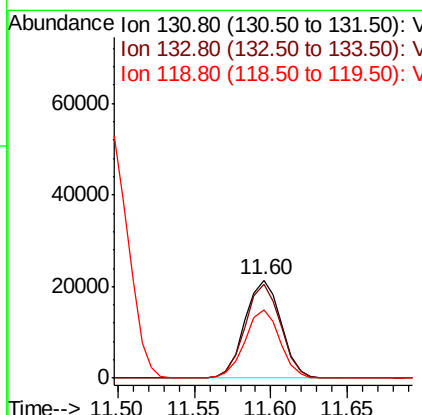
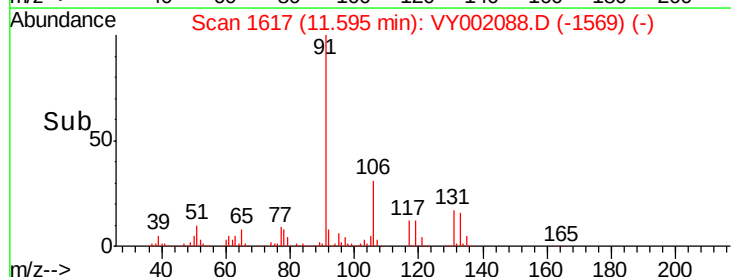
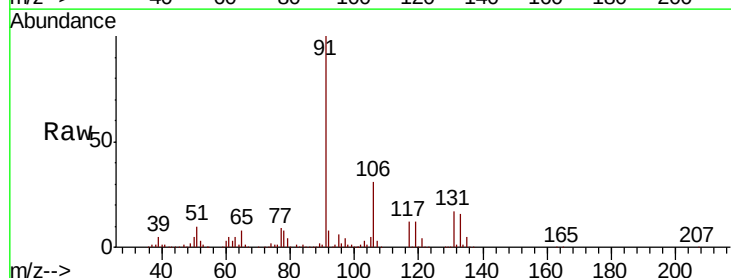
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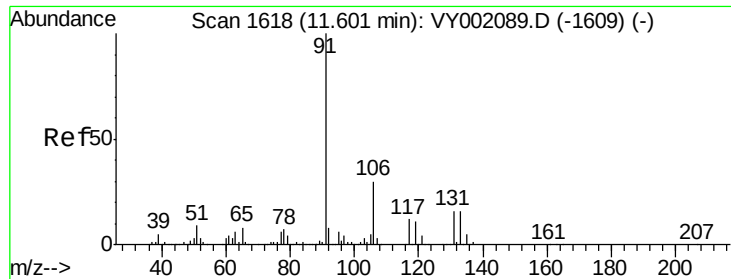
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.153 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.5	142.5
119	67.5	34.6	103.9





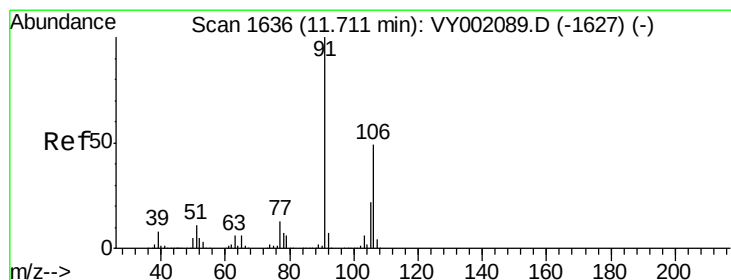
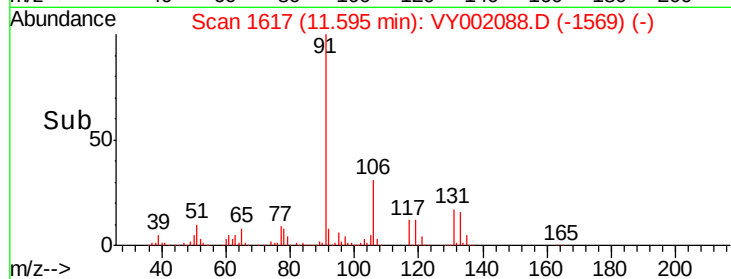
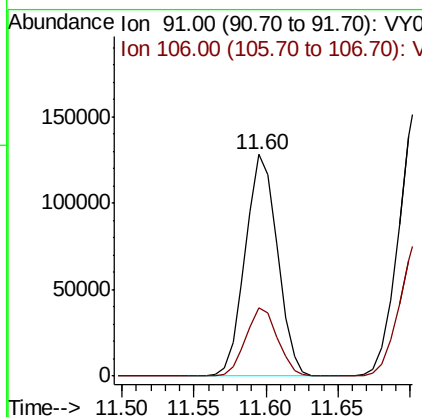
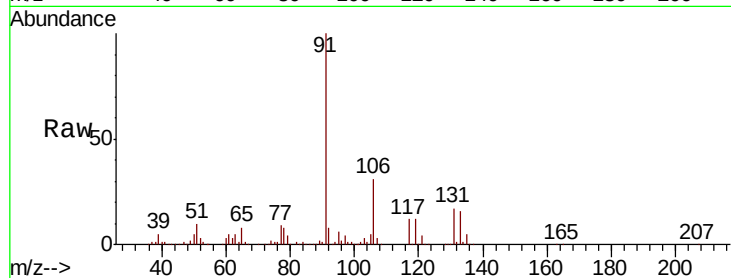
#67
Ethyl Benzene
Concen: 19.846 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 198089
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1

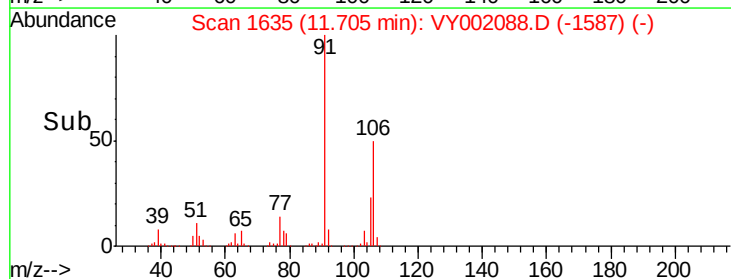
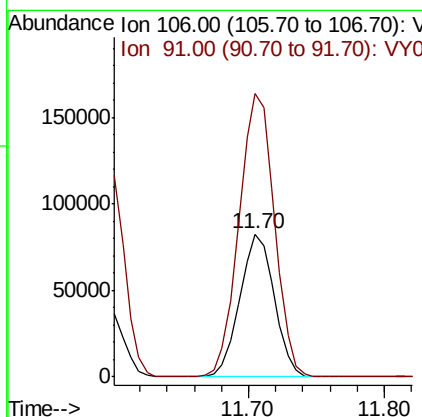
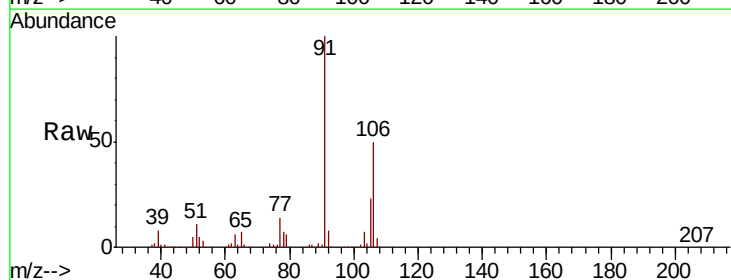
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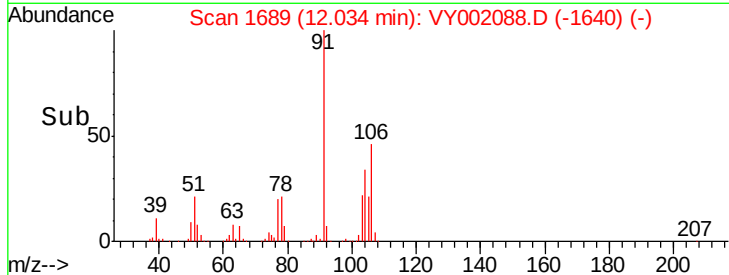
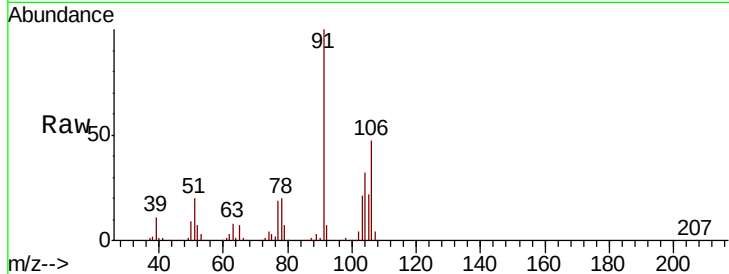
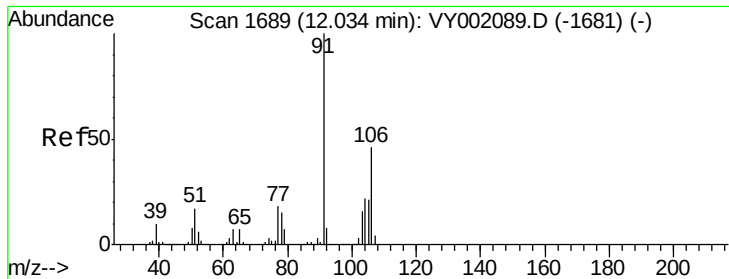
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#68
m/p-Xylenes
Concen: 39.702 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion: 106 Resp: 146251
Ion Ratio Lower Upper
106 100
91 203.4 162.8 244.2





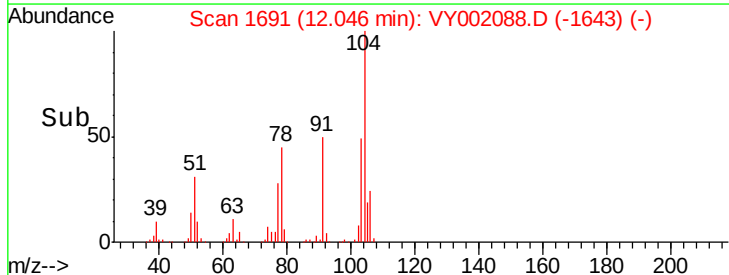
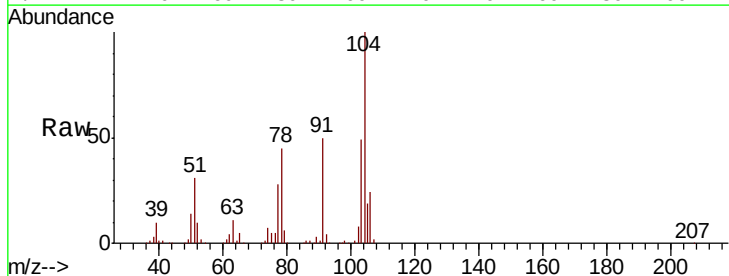
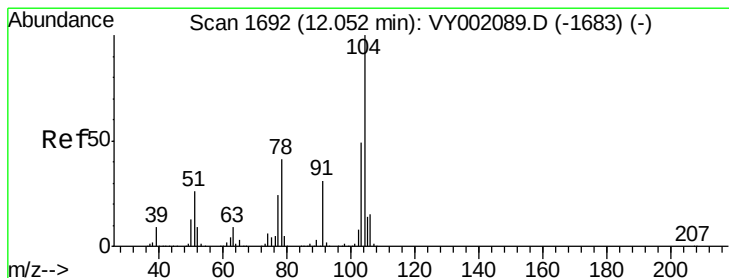
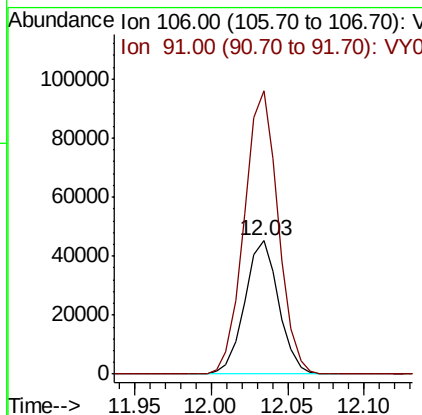
#69
o-Xylene
Concen: 19.994 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tot Ion:106 Resp: 69486
Ion Ratio Lower Upper
106 100
91 213.1 107.3 321.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

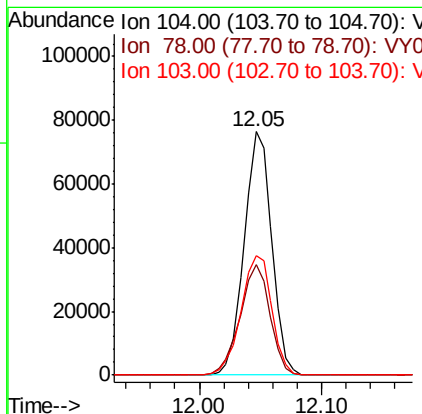
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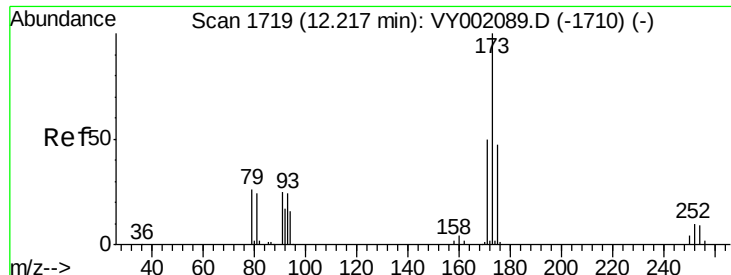
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#70
Styrene
Concen: 20.069 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion:104 Resp: 119541
Ion Ratio Lower Upper
104 100
78 49.4 37.9 56.9
103 54.8 43.2 64.8





#71

Bromoform

Concen: 20.437 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 19418

Ion Ratio Lower Upper

173 100

175 46.6 23.9 71.8

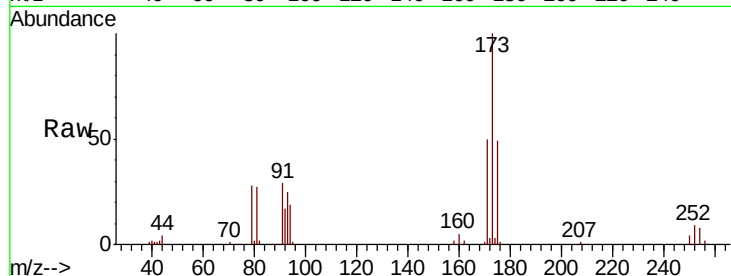
254 0.0 0.0 0.0

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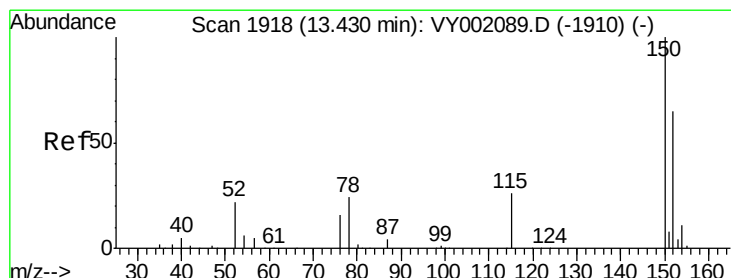
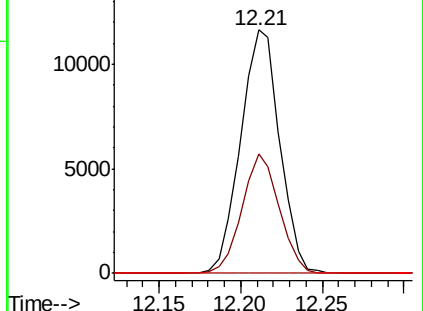
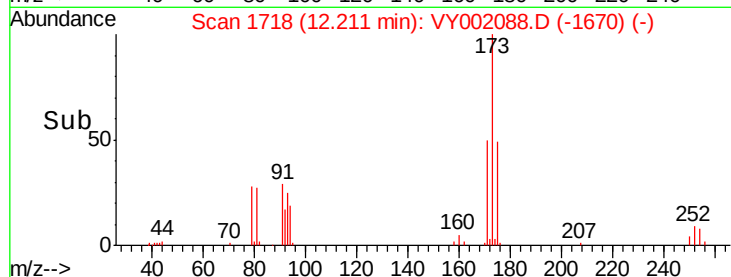
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

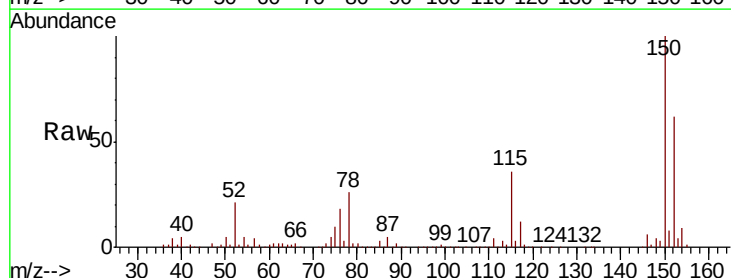
Tgt Ion:152 Resp: 129469

Ion Ratio Lower Upper

152 100

115 60.9 31.2 93.6

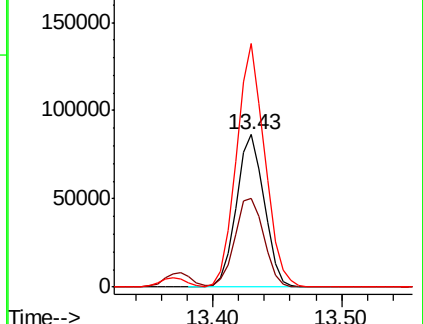
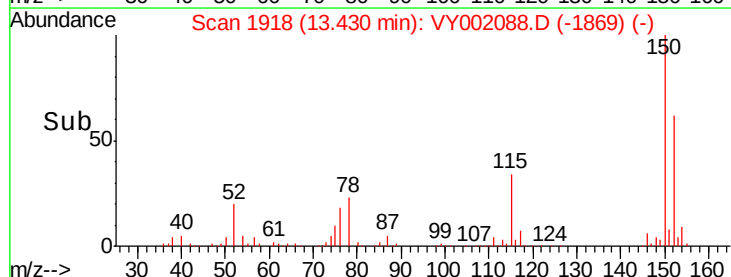
150 162.4 0.0 354.8

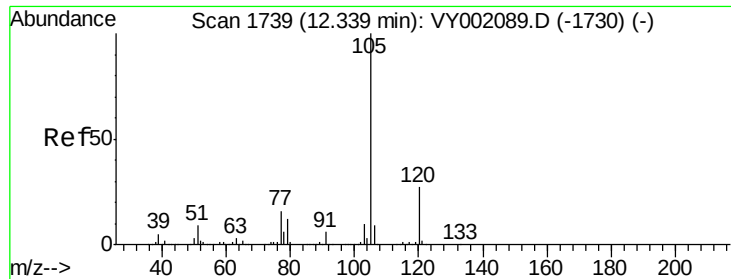


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.855 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 185792

Ion Ratio Lower Upper

105 100

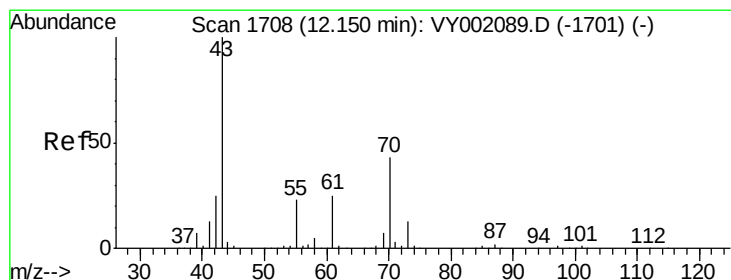
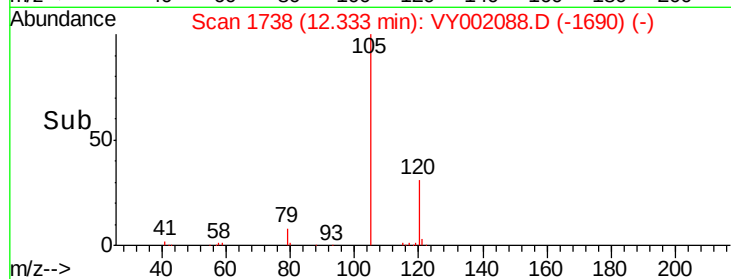
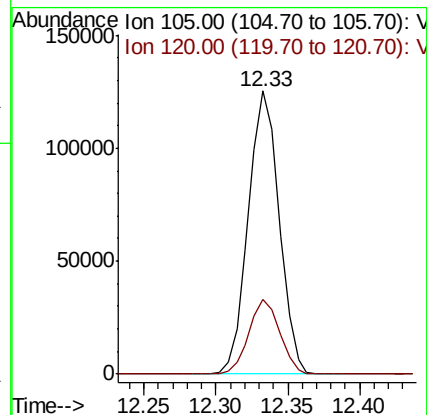
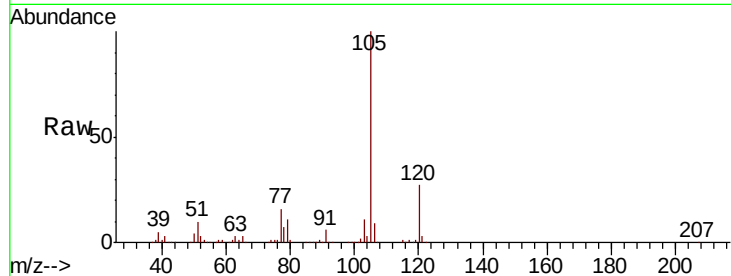
120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.006 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion: 43 Resp: 60547

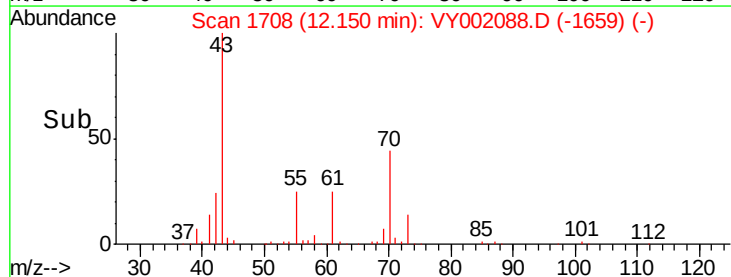
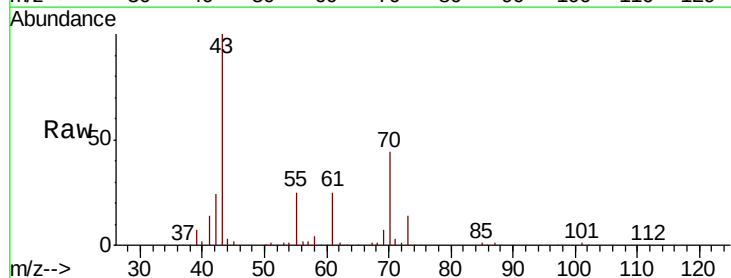
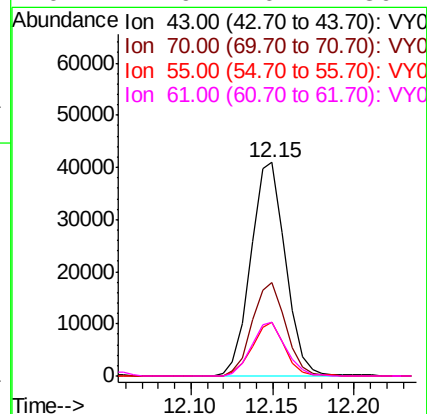
Ion Ratio Lower Upper

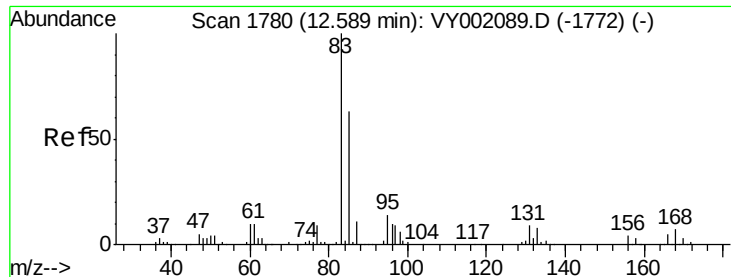
43 100

70 42.5 35.0 52.4

55 23.6 18.7 28.1

61 24.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.077 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

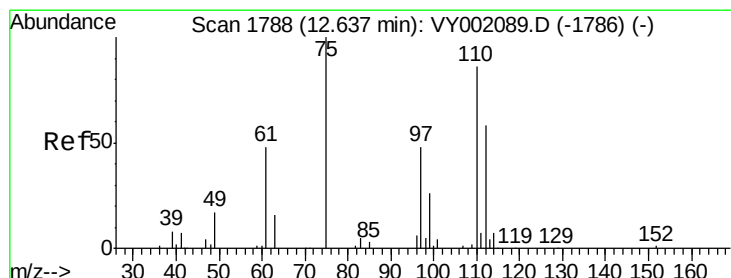
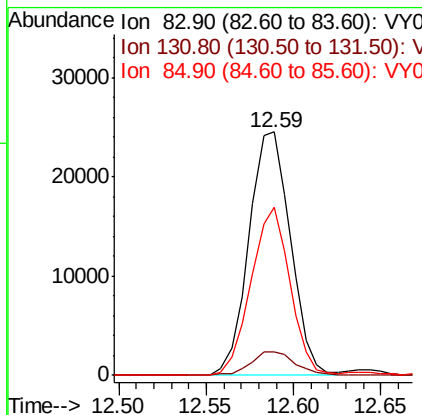
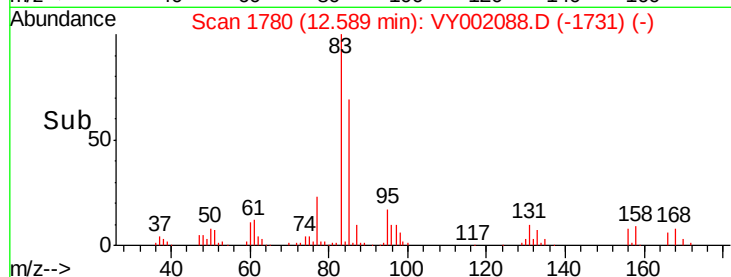
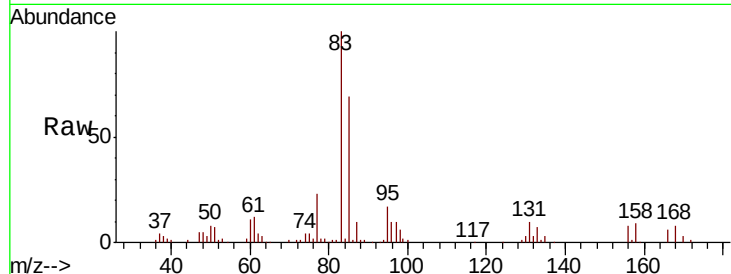
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	40420
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	65.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.706 ug/l m

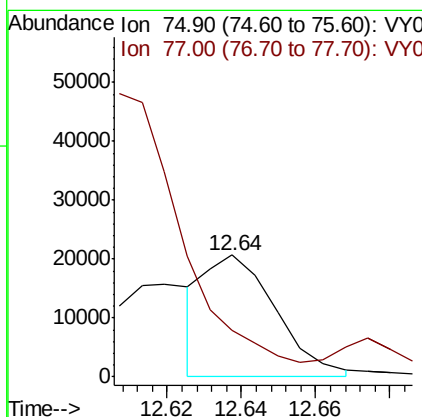
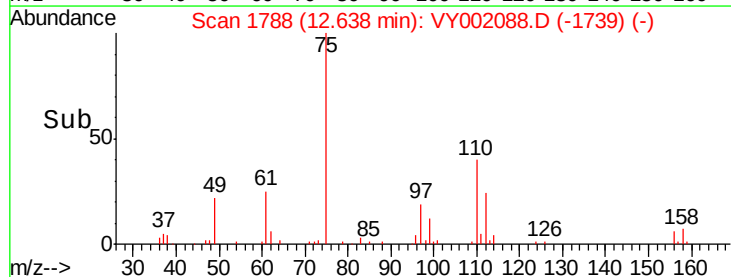
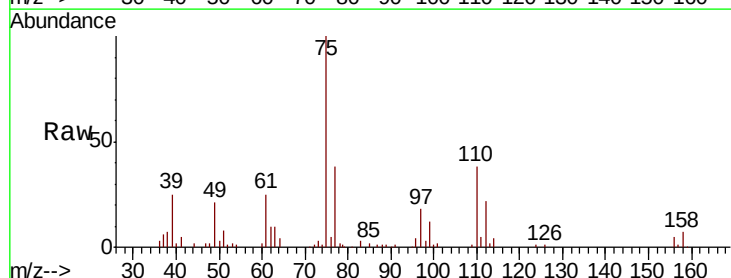
RT: 12.64 min Scan# 1788

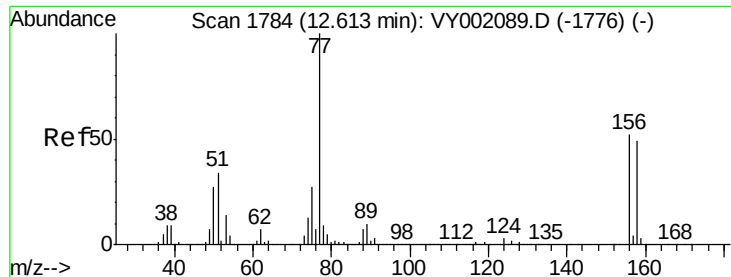
Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	75	Resp:	27478
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.111 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 40057

Ion Ratio Lower Upper

156 100

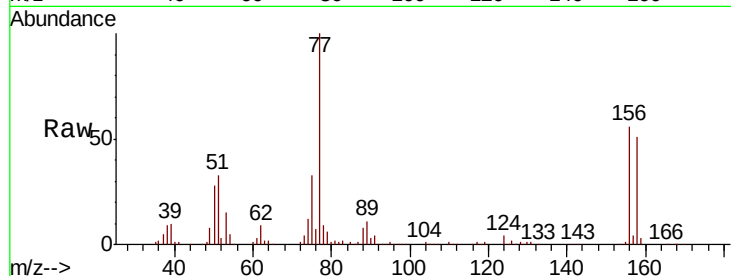
77 215.5 107.8 323.6

158 96.8 47.5 142.6

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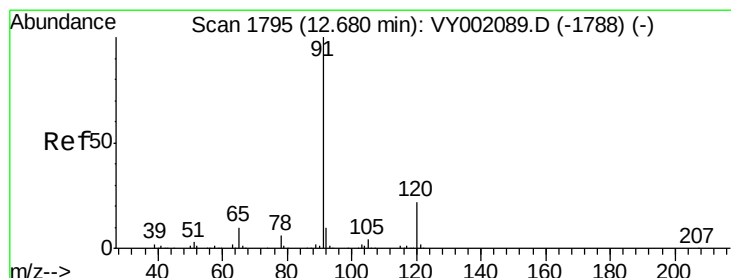
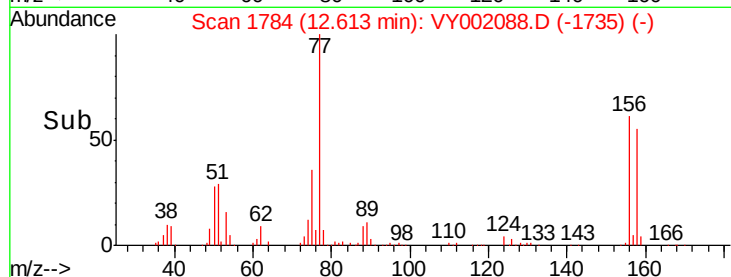
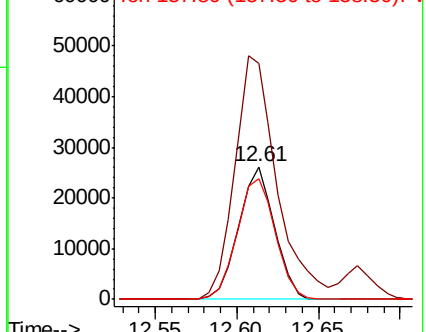
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.142 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002088.D

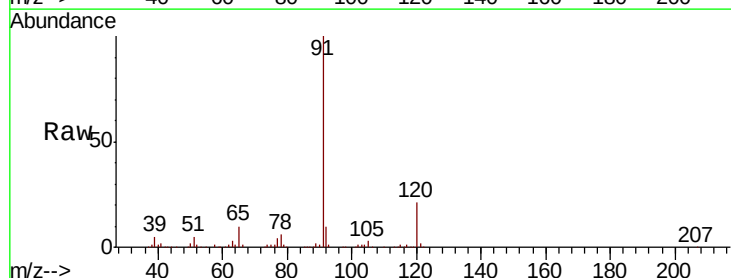
Acq: 26 Mar 2020 16:09

Tgt Ion: 91 Resp: 232973

Ion Ratio Lower Upper

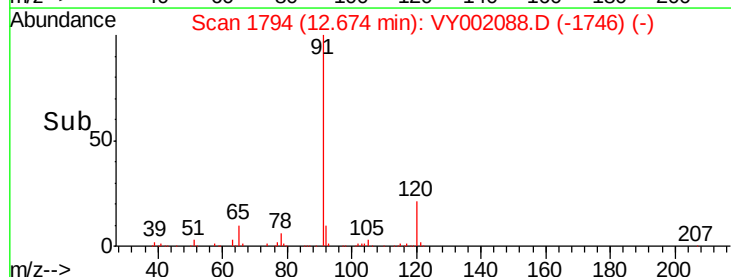
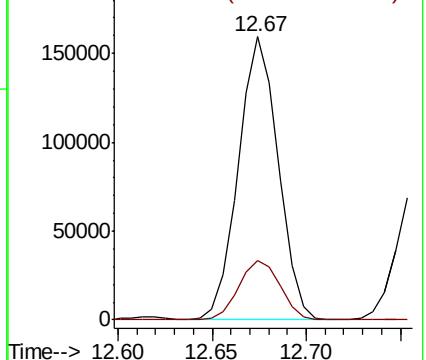
91 100

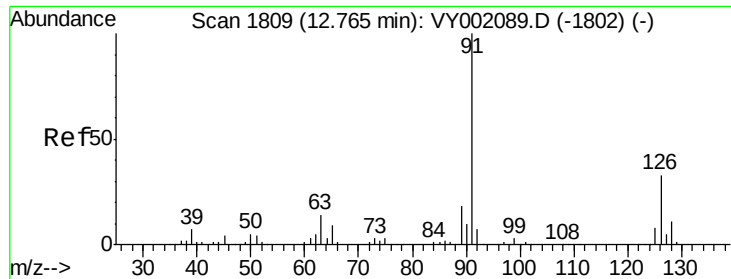
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





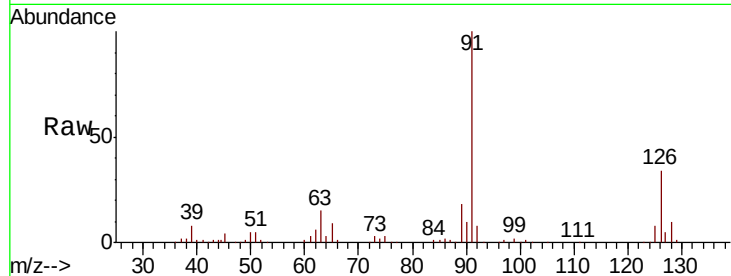
#79
 2-Chlorotoluene
 Concen: 18.727 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

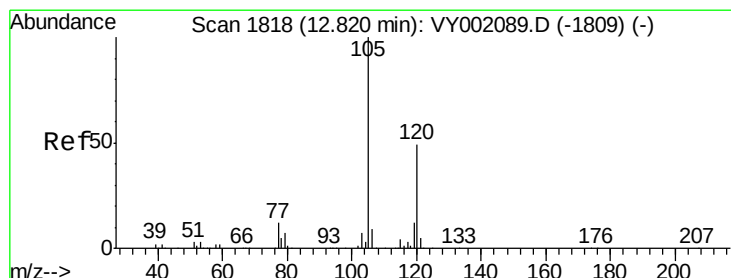
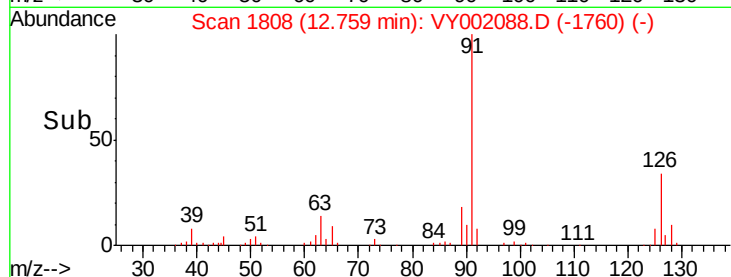
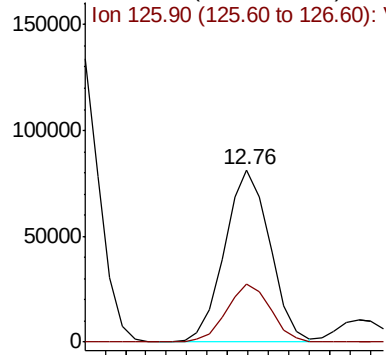
Tot Ion: 91 Resp: 125879
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.4 49.1

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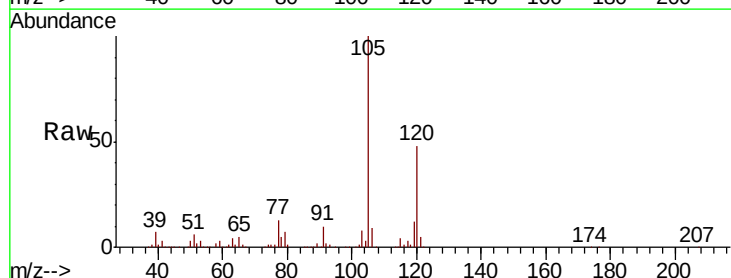


Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)
 Ion 125.90 (125.60 to 126.60): VY002089.D (-1802) (-)

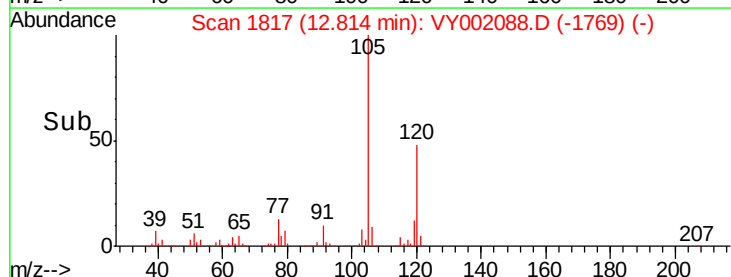
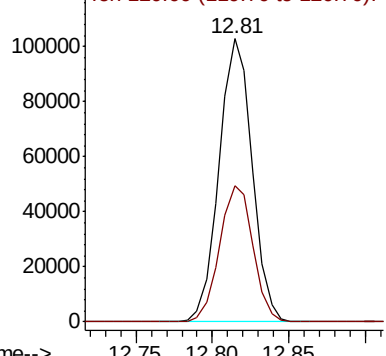


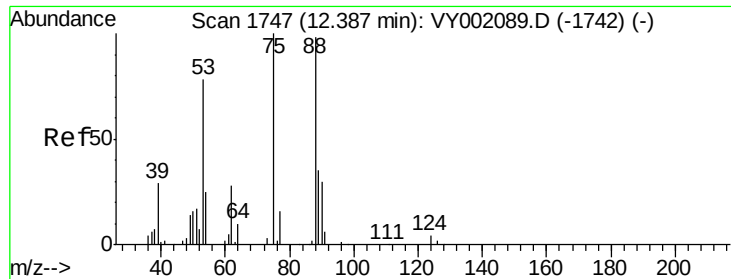
#80
 1,3,5-Trimethylbenzene
 Concen: 19.009 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion: 105 Resp: 154593
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)
 Ion 120.00 (119.70 to 120.70): VY002089.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.592 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

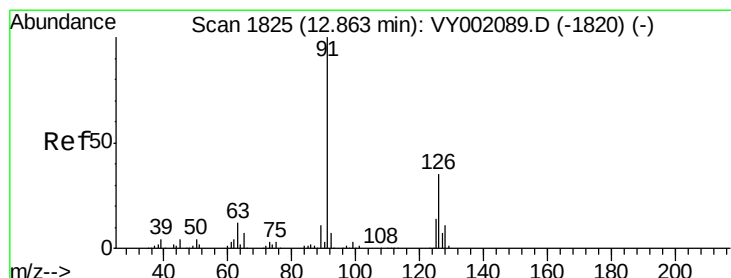
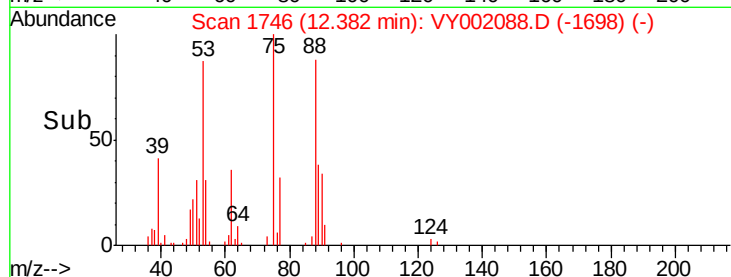
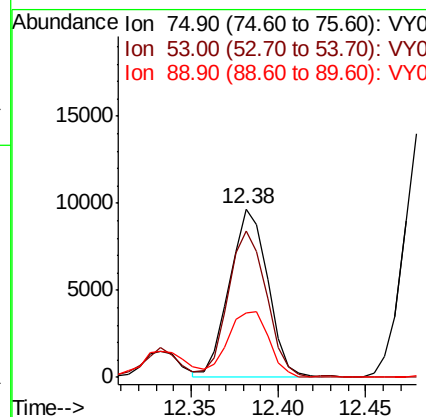
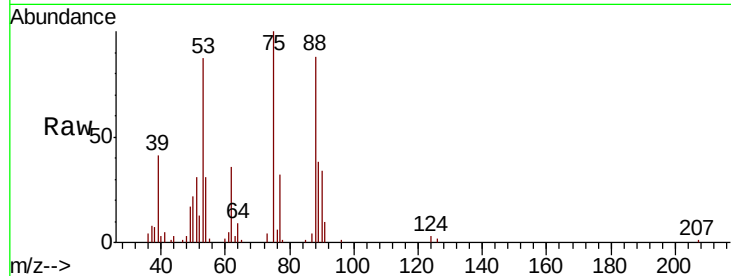
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	14822
Ion	Ratio	Lower	Upper
75	100		
53	86.5	65.0	97.4
89	41.6	33.4	50.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.288 ug/l

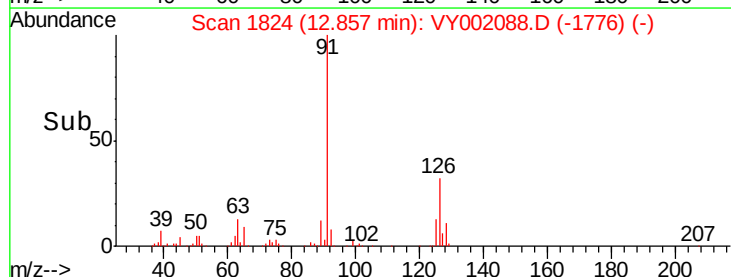
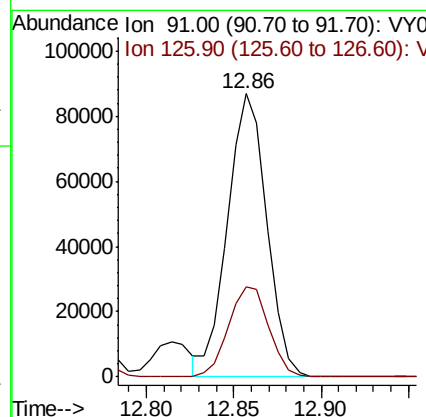
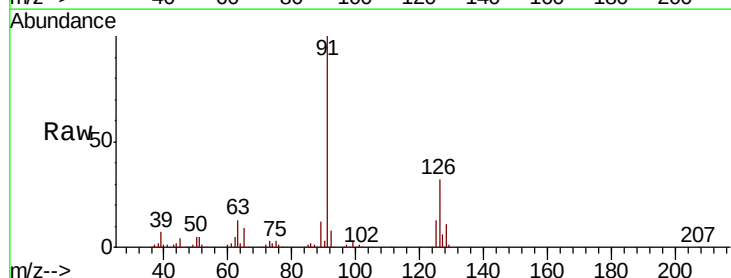
RT: 12.86 min Scan# 1824

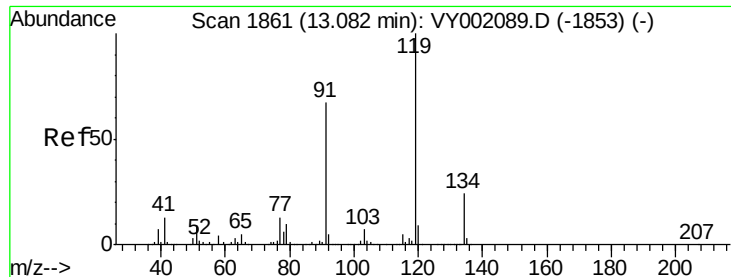
Delta R.T. -0.01 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Tgt Ion:	91	Resp:	135176
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.9





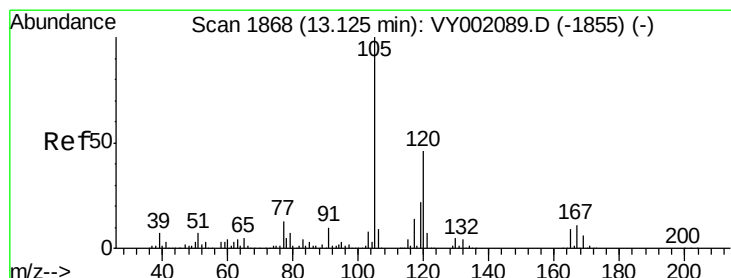
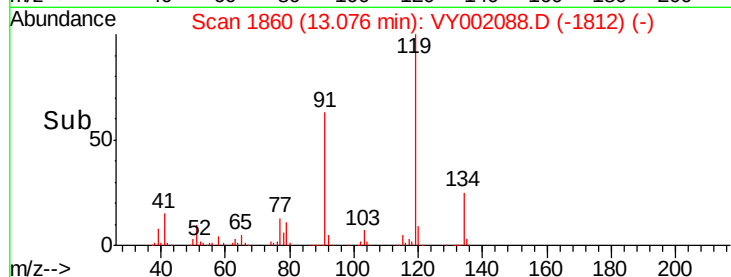
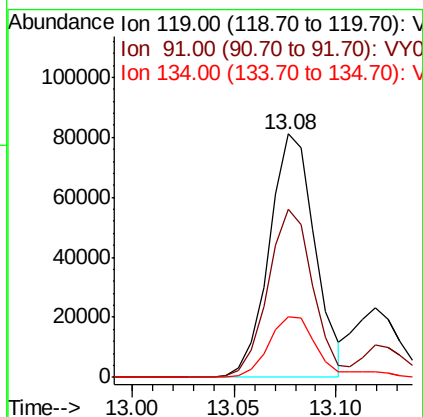
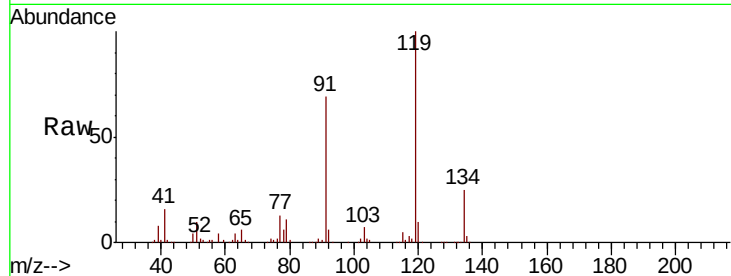
#83
 tert-Butylbenzene
 Concen: 18.717 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	32.9	98.6
134	27.1	13.0	38.9

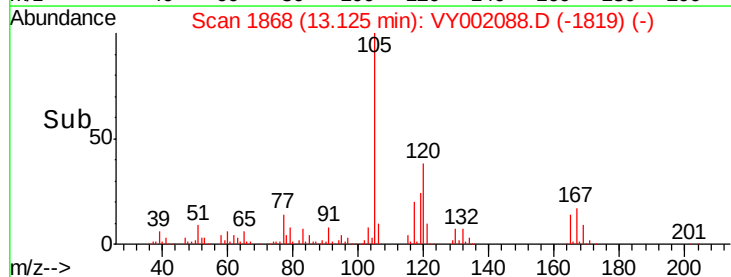
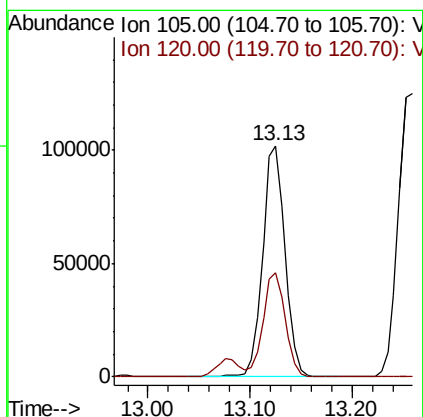
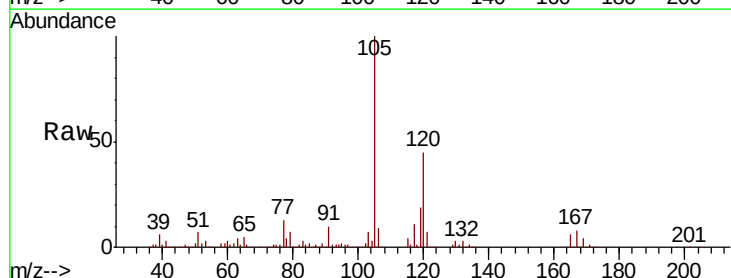
Manual Integrations
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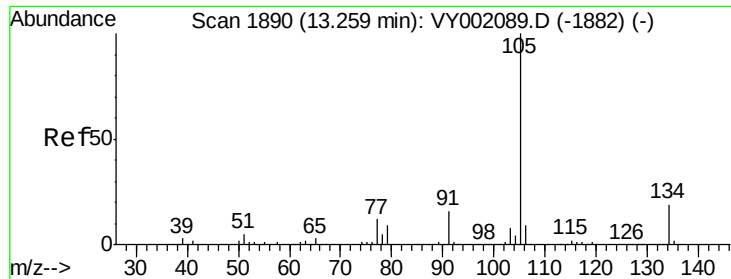
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.316 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 19.029 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 189536

Ion Ratio Lower Upper

105 100

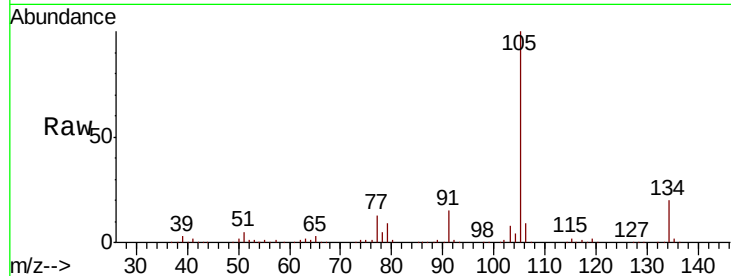
134 19.6 9.7 29.1

Manual Integrations

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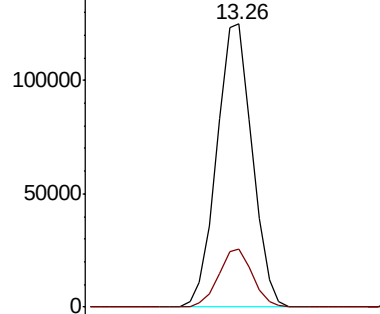
apatel

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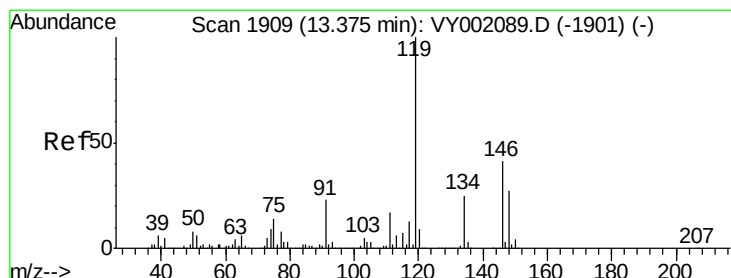
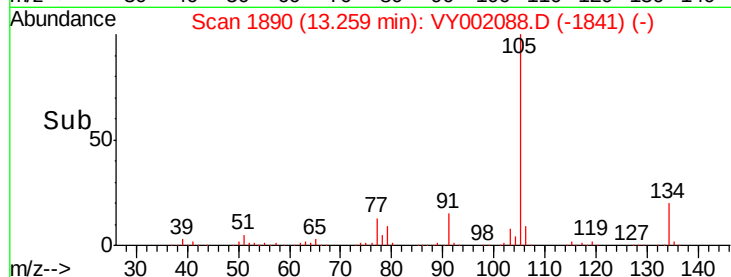


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.403 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002088.D

Acq: 26 Mar 2020 16:09

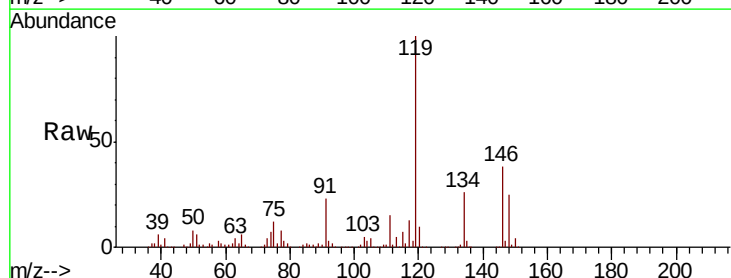
Tgt Ion:119 Resp: 166796

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

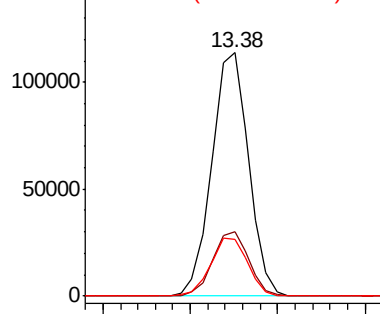
91 24.0 11.8 35.3



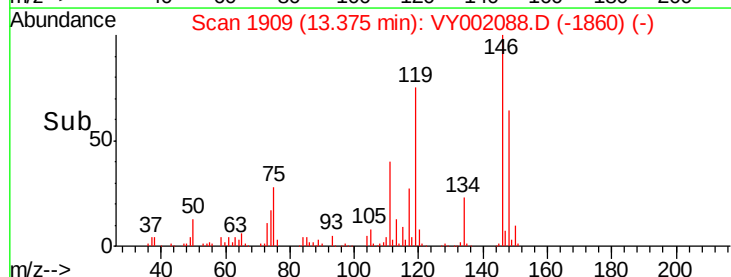
Abundance Ion 119.00 (118.70 to 119.70): V

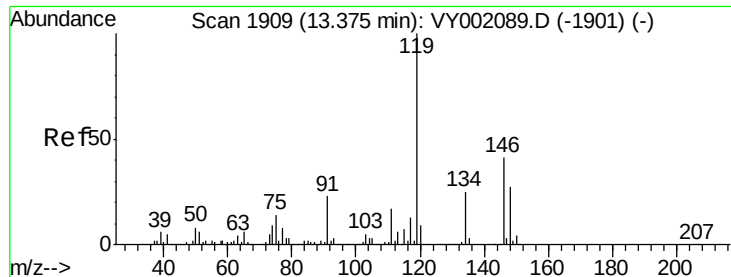
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->





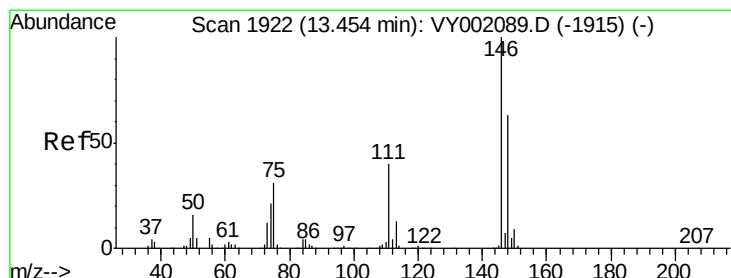
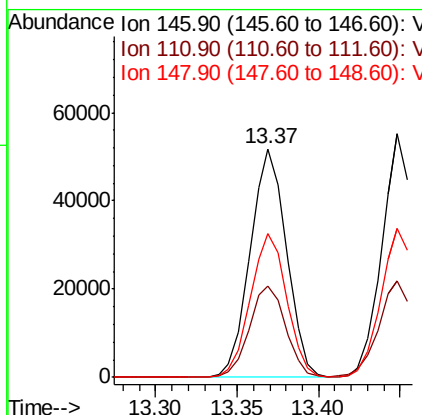
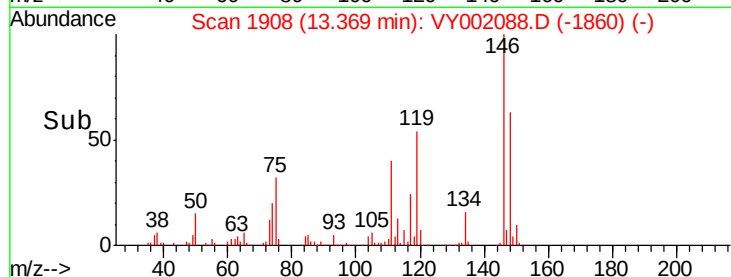
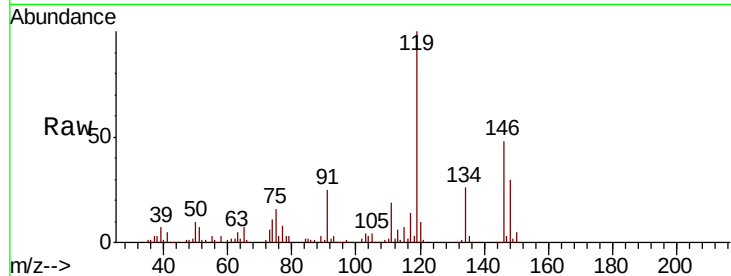
#87
 1,3-Dichlorobenzene
 Concen: 19.580 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.9	62.8
148	62.7	32.1	96.5

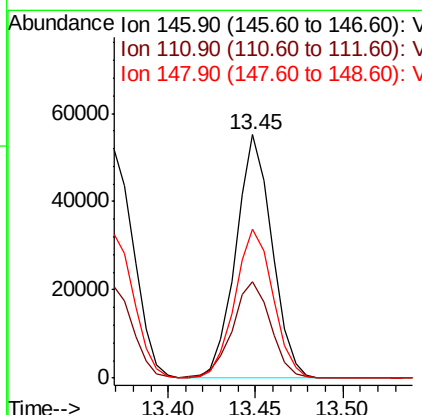
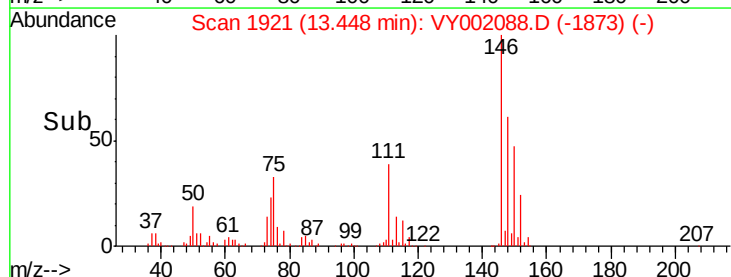
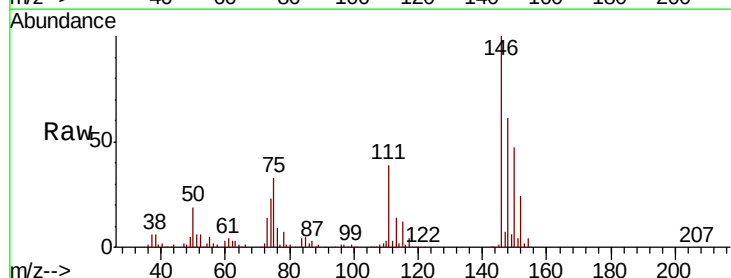
Manual Integrations
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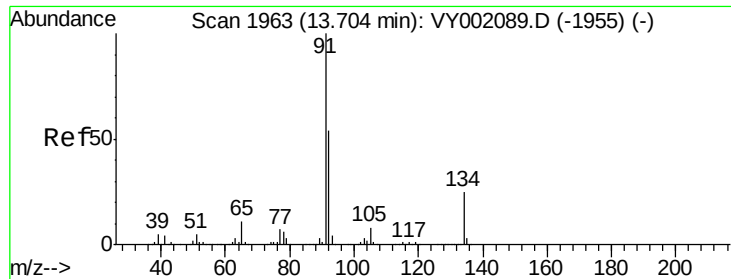
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#88
 1,4-Dichlorobenzene
 Concen: 19.113 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.9
148	64.5	31.5	94.5





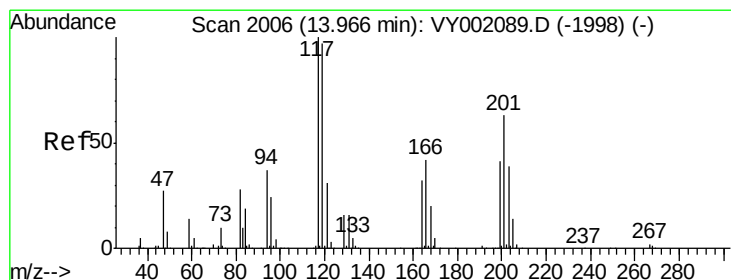
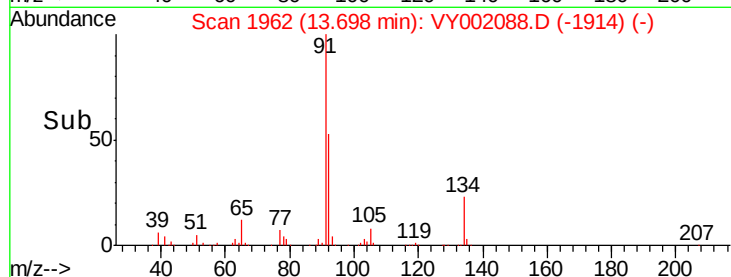
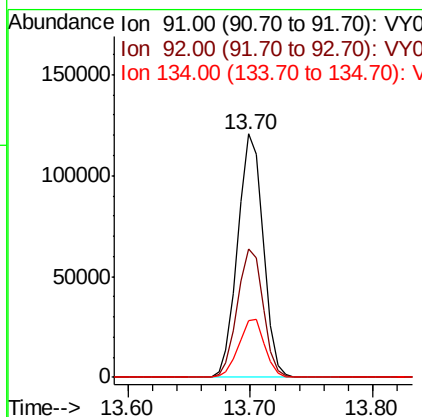
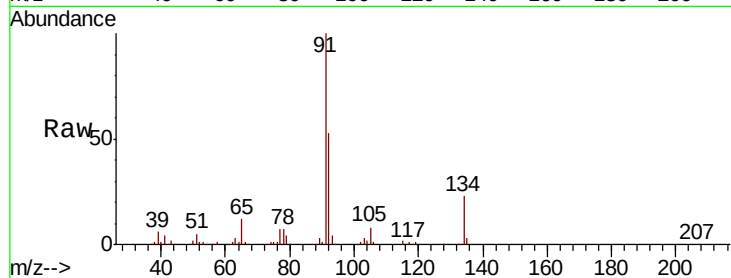
#89
n-Butylbenzene
Concen: 19.396 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	81.0
134	24.0	12.3	36.8

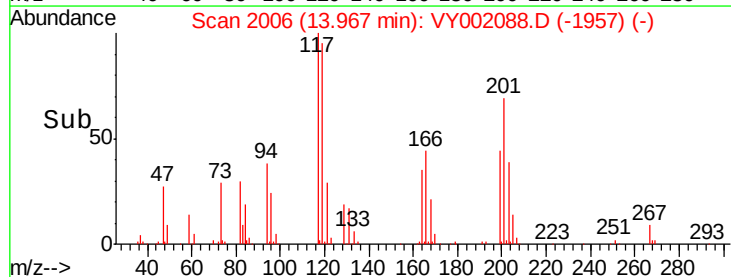
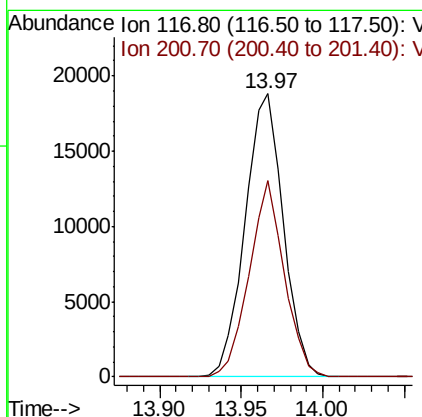
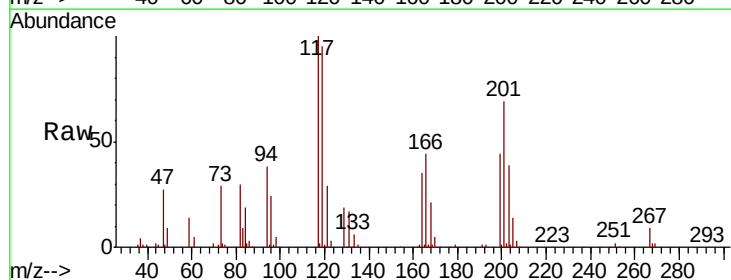
Manual Integrations
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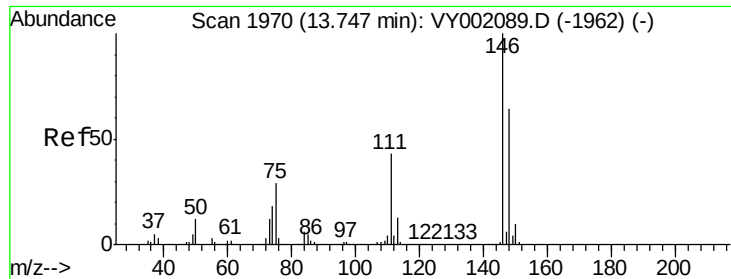
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#90
Hexachloroethane
Concen: 18.913 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.6	94.8





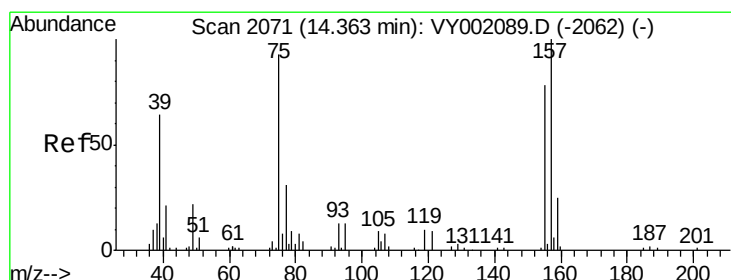
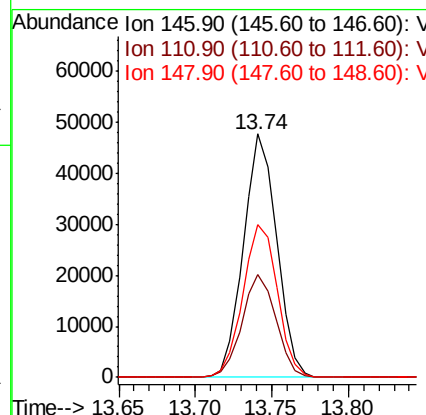
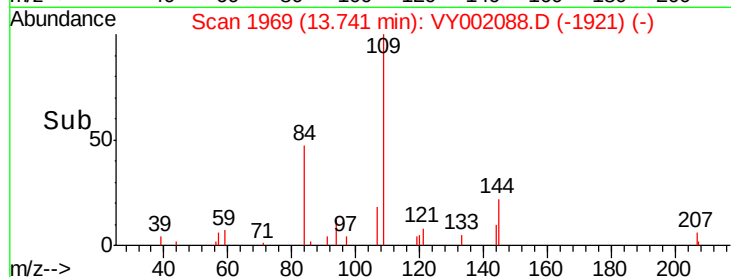
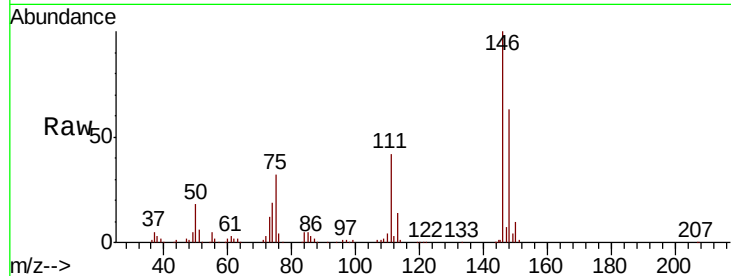
#91
 1,2-Dichlorobenzene
 Concen: 19.326 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.7
148	64.7	31.8	95.4

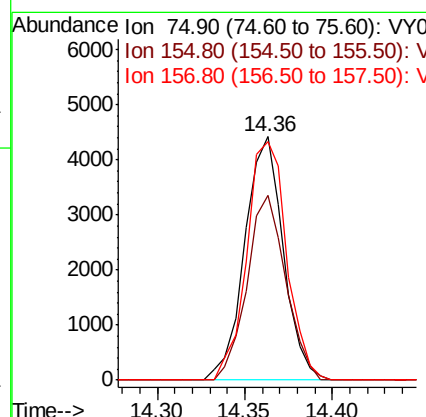
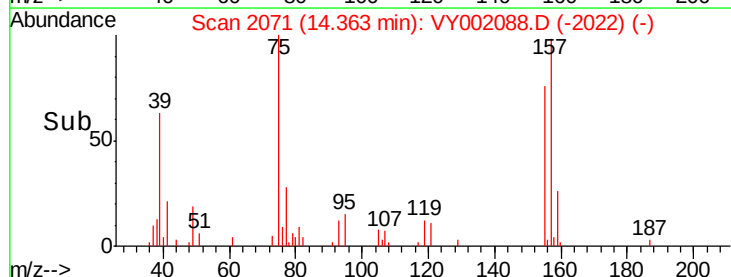
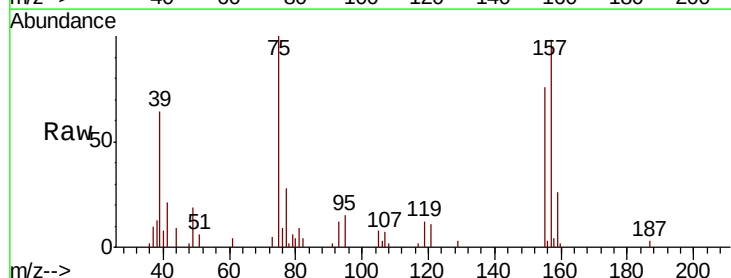
Manual Integrations
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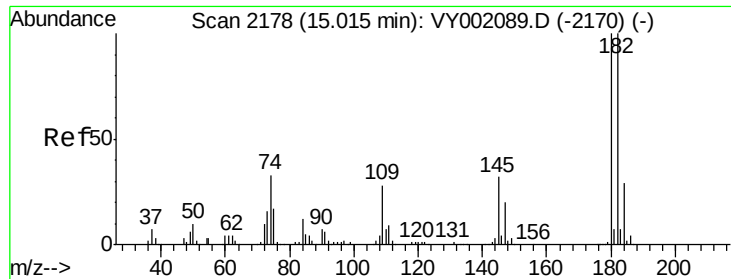
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.456 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002088.D
 Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	41.6	124.9
157	101.4	53.4	160.3





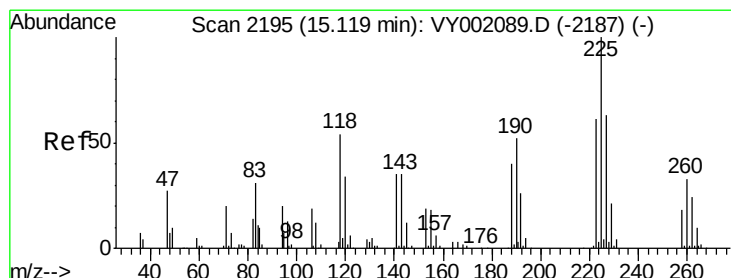
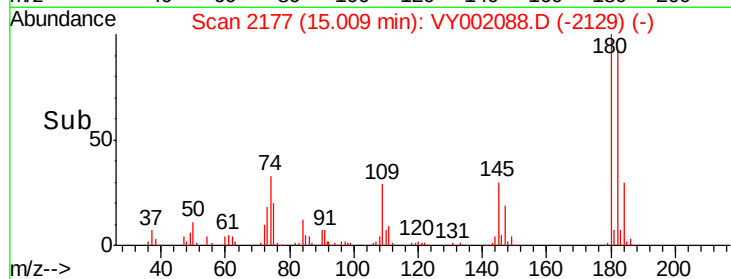
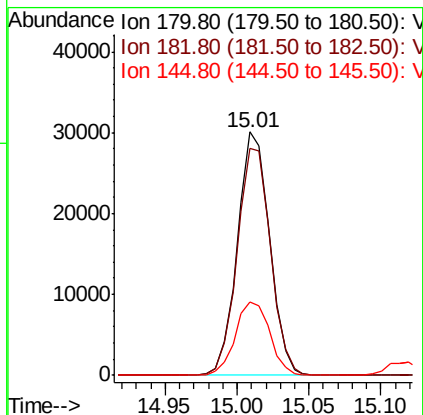
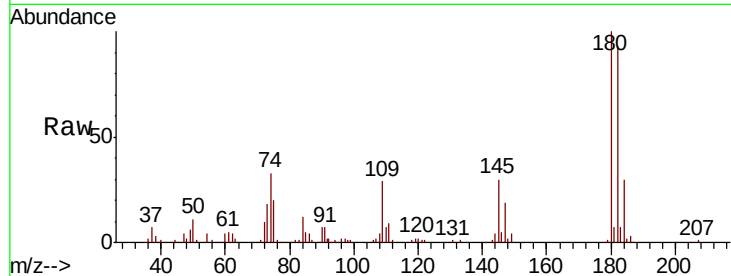
#93
1,2,4-Trichlorobenzene
Concen: 19.413 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.3
145	32.3	15.9	47.6

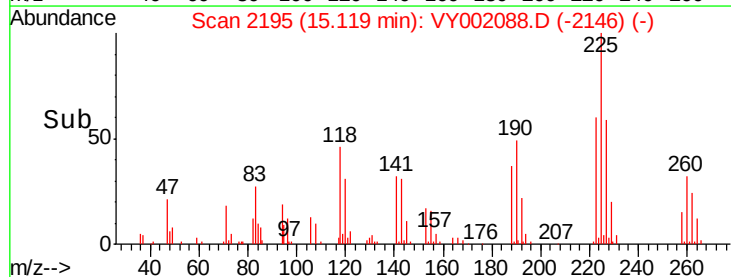
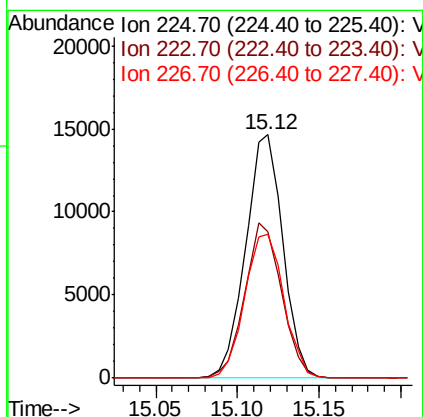
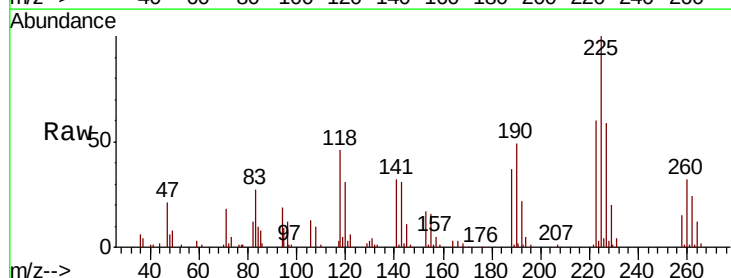
Manual Integrations
APPROVED

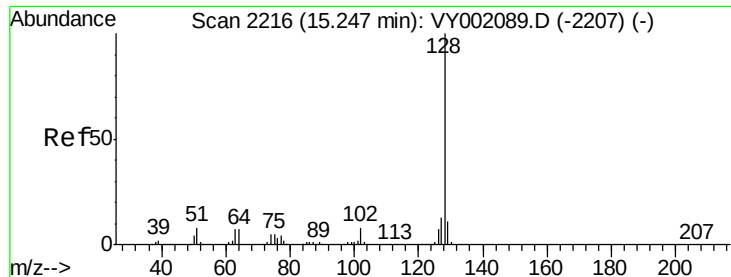
apatel
3/27/2020 4:14:02 PM



#94
Hexachlorobutadiene
Concen: 19.713 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	62.1	31.6	94.7





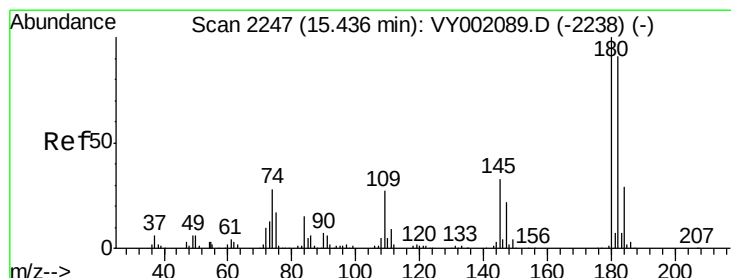
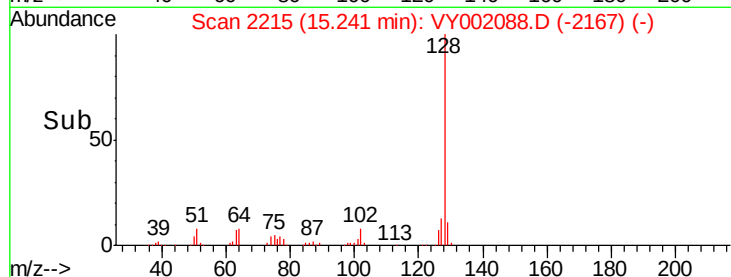
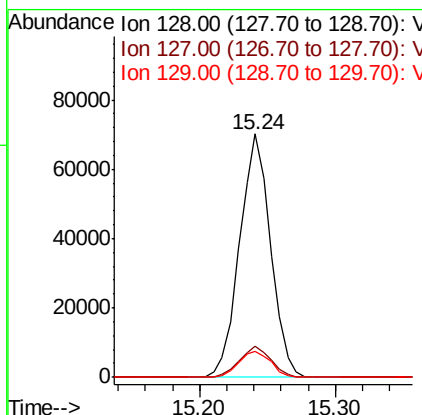
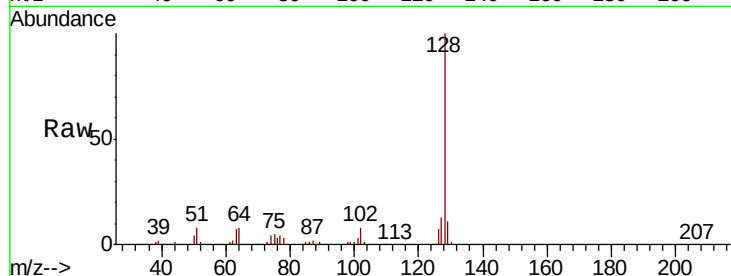
#95
Naphthalene
Concen: 19.458 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111275		
127	13.1		9.8	14.8
129	11.2		8.6	13.0

Manual Integrations
APPROVED

apatel
3/27/2020 4:14:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.835 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002088.D
Acq: 26 Mar 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	42315		
182	94.4		46.8	140.3
145	33.2		16.7	50.1

