

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
 Data File : VY002087.D
 Acq On : 26 Mar 2020 15:48
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 3/27/2020 4:13:54 PM

Quant Time: Mar 27 06:42:56 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	7.80	168	164561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	295356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	266289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	123102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	17864	10.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	20.12%	
35) Dibromofluoromethane	7.73	113	16454	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
50) Toluene-d8	10.18	98	68734	10.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.08%	
62) 4-Bromofluorobenzene	12.49	95	24052	10.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.91	85	17200	11.937	ug/l 98
3) Chloromethane	2.12	50	22088	11.040	ug/l 96
4) Vinyl Chloride	2.26	62	22211	10.916	ug/l 100
5) Bromomethane	2.66	94	14972	10.984	ug/l 92
6) Chloroethane	2.80	64	13656	10.551	ug/l 94
7) Trichlorofluoromethane	3.14	101	28411	10.202	ug/l 99
8) Diethyl Ether	3.54	74	11883	10.736	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	18628	10.351	ug/l 99
10) Methyl Iodide	4.10	142	20734	9.977	ug/l 100
11) Tert butyl alcohol	4.97	59	12253	57.309	ug/l # 81
12) 1,1-Dichloroethene	3.88	96	18780	10.368	ug/l 94
13) Acrolein	3.74	56	12330	47.955	ug/l 98
14) Allyl chloride	4.50	41	33382	10.294	ug/l 99
15) Acrylonitrile	5.19	53	31694	53.550	ug/l 99
16) Acetone	3.97	43	28136	55.377	ug/l 99
17) Carbon Disulfide	4.21	76	61769	10.158	ug/l 100
18) Methyl Acetate	4.49	43	14263	10.930	ug/l 99
19) Methyl tert-butyl Ether	5.23	73	50464	10.218	ug/l 99
20) Methylene Chloride	4.73	84	29404	13.453	ug/l 93
21) trans-1,2-Dichloroethene	5.23	96	20719	10.032	ug/l 93
22) Diisopropyl ether	6.13	45	69719	10.476	ug/l 95
23) Vinyl Acetate	6.07	43	227948	52.387	ug/l 100
24) 1,1-Dichloroethane	6.04	63	36775	10.239	ug/l 99
25) 2-Butanone	7.00	43	42985	55.608	ug/l 97
26) 2,2-Dichloropropane	6.99	77	30874	10.450	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	22733	10.108	ug/l 99
28) Bromochloromethane	7.35	49	16221	9.894	ug/l 100
29) Tetrahydrofuran	7.36	42	27422	53.297	ug/l 99
30) Chloroform	7.52	83	34157	10.127	ug/l 96
31) Cyclohexane	7.80	56	40477	10.540	ug/l # 85
32) 1,1,1-Trichloroethane	7.72	97	28693	10.108	ug/l 98
36) 1,1-Dichloropropene	7.93	75	29276	10.389	ug/l 100
37) Ethyl Acetate	7.10	43	17950	10.990	ug/l 98
38) Carbon Tetrachloride	7.91	117	24757	10.255	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	38952	10.404	ug/l	99
40) Benzene	8.17	78	86605	10.353	ug/l	96
41) Methacrylonitrile	7.33	41	8795m	11.558	ug/l	
42) 1,2-Dichloroethane	8.25	62	23333	10.811	ug/l	99
43) Isopropyl Acetate	8.28	43	33270	10.718	ug/l	99
44) Trichloroethene	8.95	130	20813	10.204	ug/l	98
45) 1,2-Dichloropropane	9.22	63	21841	10.363	ug/l	96
46) Dibromomethane	9.32	93	11102	10.223	ug/l	99
47) Bromodichloromethane	9.50	83	25198	9.963	ug/l	96
48) Methyl methacrylate	9.30	41	14928	10.918	ug/l	99
49) 1,4-Dioxane	9.31	88	3158	213.064	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	86694	54.250	ug/l	99
52) Toluene	10.25	92	51358	10.112	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	28187	10.239	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	33857	10.331	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	16486	10.353	ug/l	99
56) Ethyl methacrylate	10.52	69	23416	10.109	ug/l	97
57) 1,3-Dichloropropane	10.80	76	28940	10.207	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	61405	62.173	ug/l	99
59) 2-Hexanone	10.84	43	62654	55.070	ug/l	100
60) Dibromochloromethane	10.99	129	16996	10.176	ug/l	99
61) 1,2-Dibromoethane	11.10	107	15532	10.324	ug/l	93
64) Tetrachloroethene	10.72	164	17042	10.247	ug/l	99
65) Chlorobenzene	11.52	112	53179	10.126	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	17999	10.434	ug/l	98
67) Ethyl Benzene	11.60	91	99040	10.095	ug/l	96
68) m/p-Xylenes	11.71	106	72842	20.118	ug/l	98
69) o-Xylene	12.03	106	34676	10.151	ug/l	97
70) Styrene	12.05	104	58698	10.026	ug/l	98
71) Bromoform	12.21	173	9272	9.928	ug/l #	94
73) Isopropylbenzene	12.33	105	92607	9.884	ug/l	99
74) N-amyl acetate	12.14	43	30470	10.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	20648	10.249	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	14036m	9.512	ug/l	
77) Bromobenzene	12.61	156	20350	10.211	ug/l	98
78) n-propylbenzene	12.67	91	115976	10.022	ug/l	98
79) 2-Chlorotoluene	12.76	91	63898	9.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	76346	9.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	7046	9.795	ug/l	93
82) 4-Chlorotoluene	12.86	91	66670	10.005	ug/l	98
83) tert-Butylbenzene	13.08	119	63197	9.811	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	77530	10.114	ug/l	98
85) sec-Butylbenzene	13.26	105	97747	10.321	ug/l	99
86) p-Isopropyltoluene	13.37	119	84569	10.347	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	40320	10.353	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	41173	10.429	ug/l	98
89) n-Butylbenzene	13.70	91	86445	10.189	ug/l	99
90) Hexachloroethane	13.97	117	14838	9.625	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	36840	10.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3197	10.151	ug/l	98

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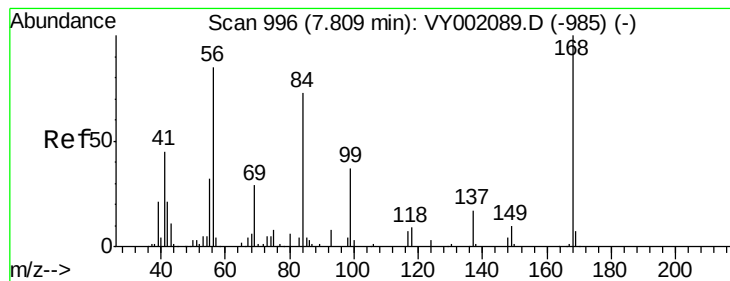
Manual Integrations
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QLast Update : Fri Mar 27 04:05:22 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	23188	10.117	ug/l	97
94) Hexachlorobutadiene	15.11	225	11783	10.481	ug/l	96
95) Naphthalene	15.24	128	56027	10.304	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	21557	10.628	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 164561

Ion Ratio Lower Upper

168 100

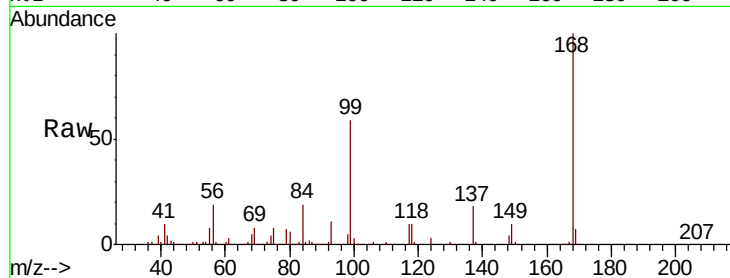
99 58.6 47.6 71.4

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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) (-)

7.80

80000

60000

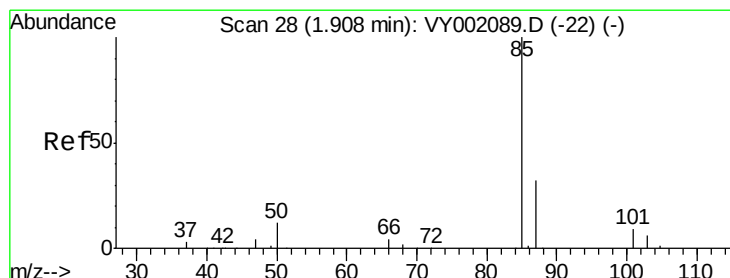
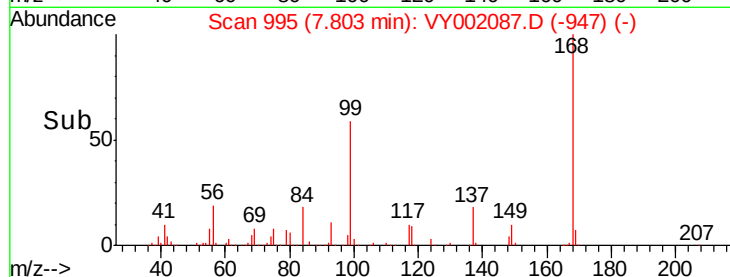
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 11.937 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002087.D

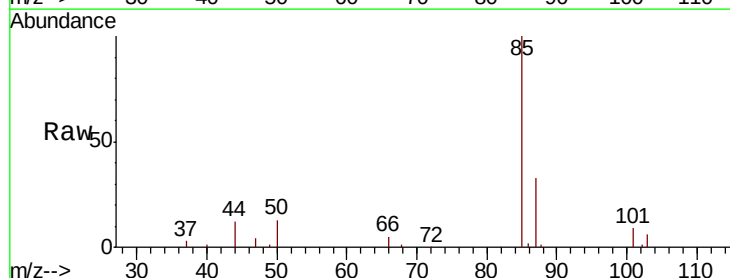
Acq: 26 Mar 2020 15:48

Tgt Ion: 85 Resp: 17200

Ion Ratio Lower Upper

85 100

87 33.4 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

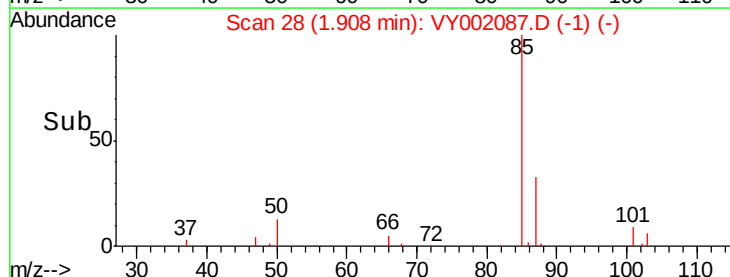
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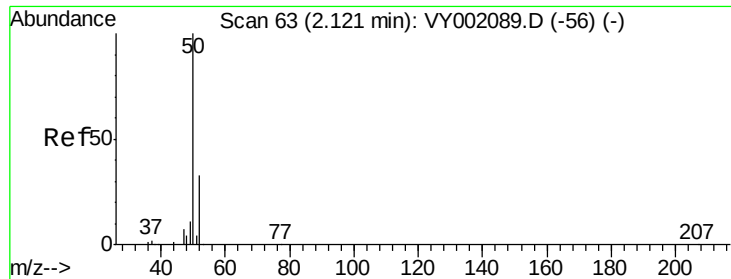
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 11.040 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22088

Ion Ratio Lower Upper

50 100

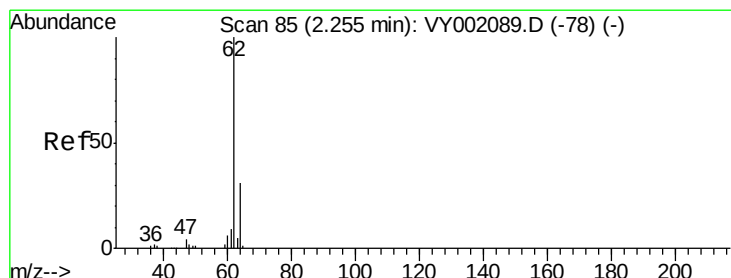
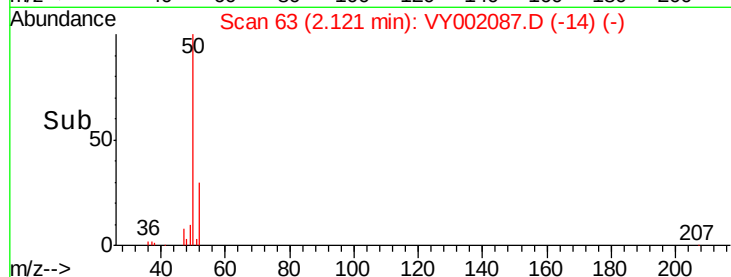
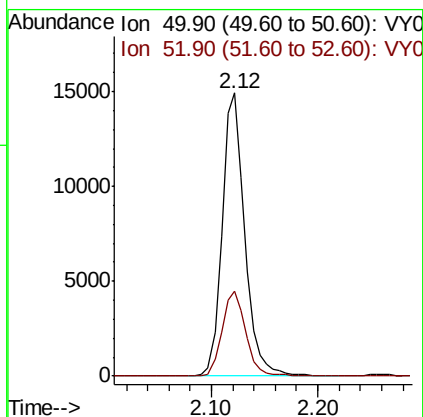
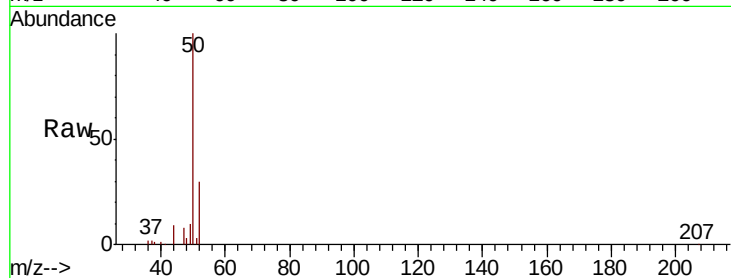
52 30.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 10.916 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002087.D

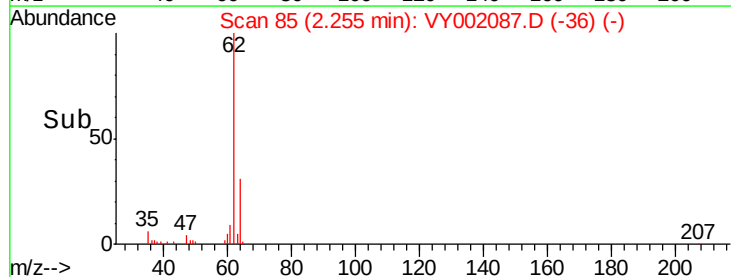
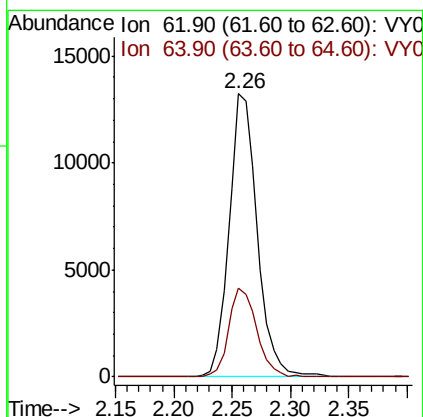
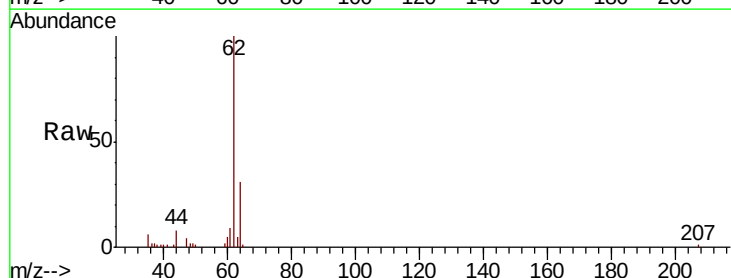
Acq: 26 Mar 2020 15:48

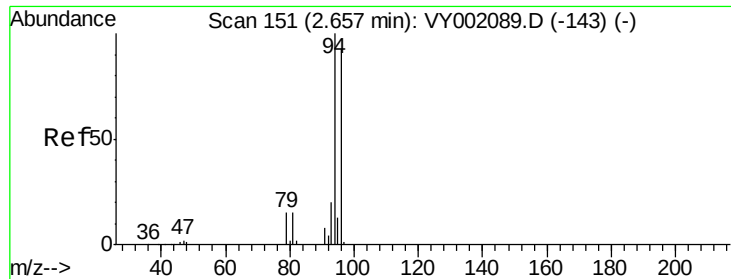
Tgt Ion: 62 Resp: 22211

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 10.984 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14972

Ion Ratio Lower Upper

94 100

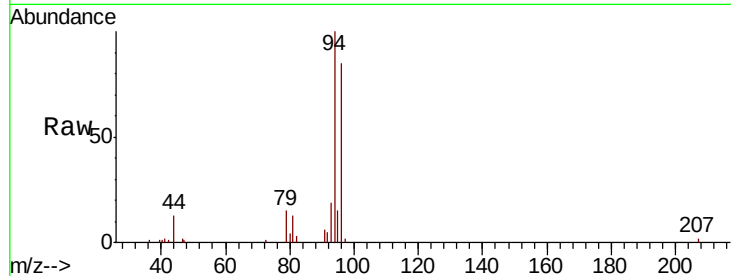
96 85.1 74.1 111.1

Manual Integrations

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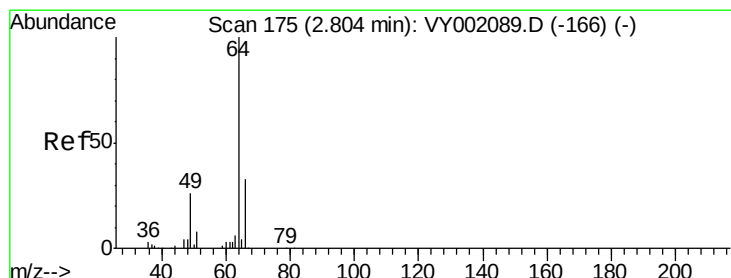
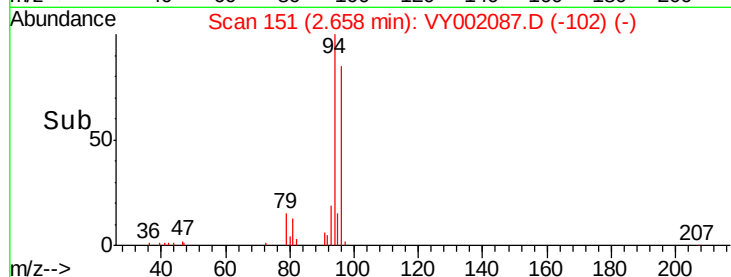
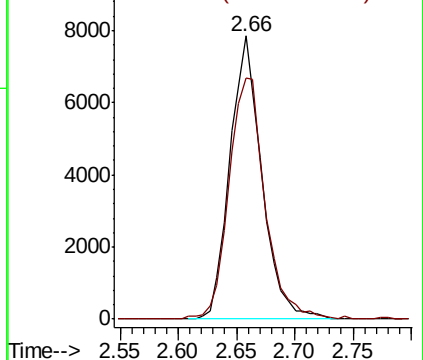
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 10.551 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002087.D

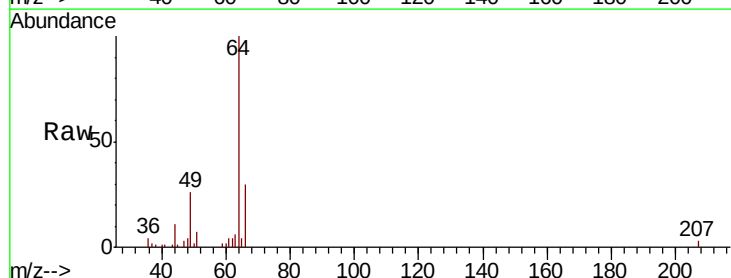
Acq: 26 Mar 2020 15:48

Tgt Ion: 64 Resp: 13656

Ion Ratio Lower Upper

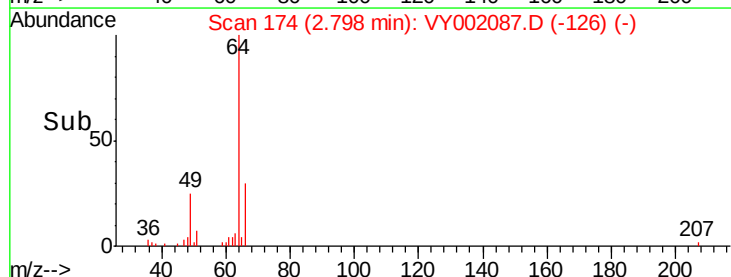
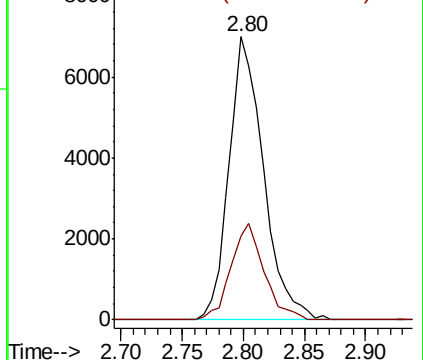
64 100

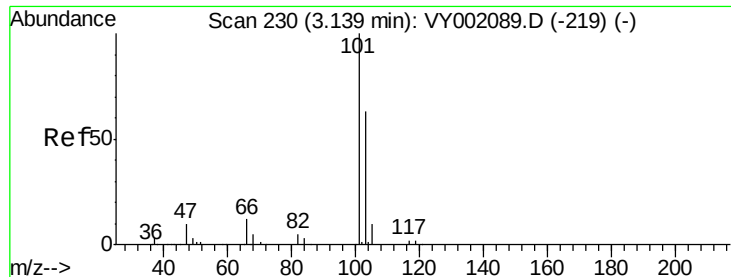
66 29.6 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

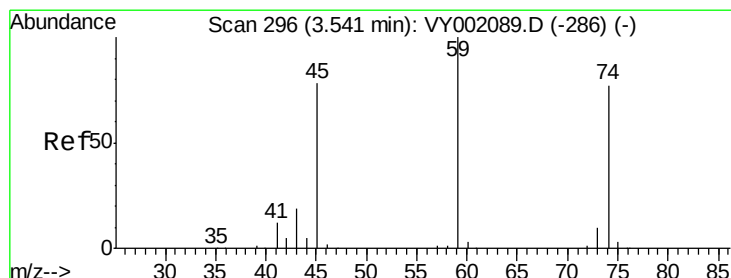
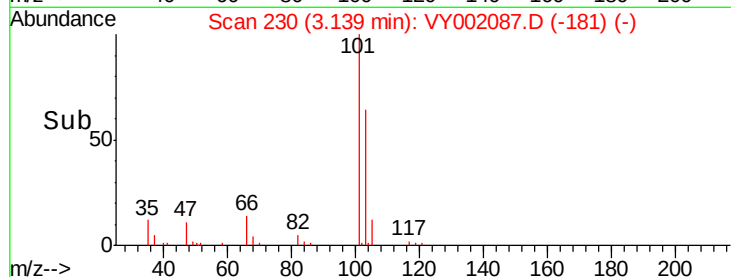
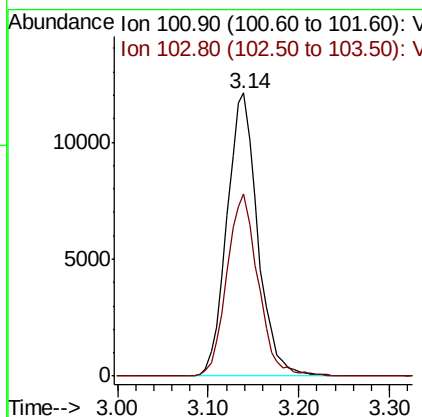
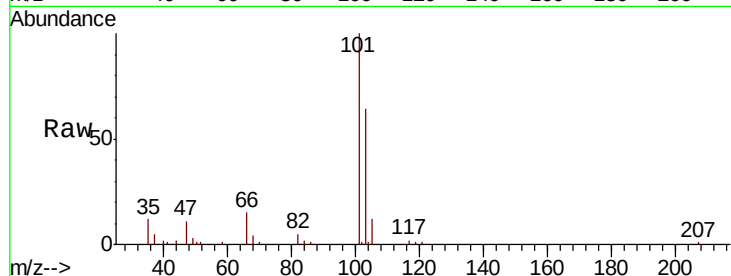
Trichlorofluoromethane
Concen: 10.202 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.6	76.0

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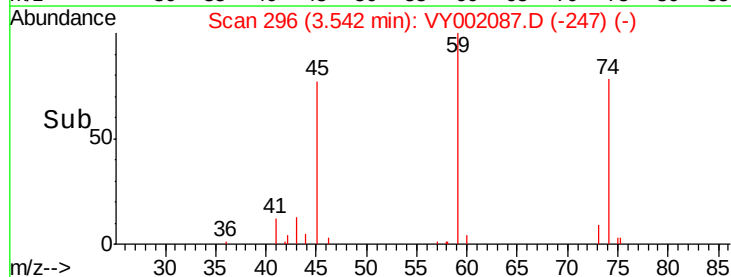
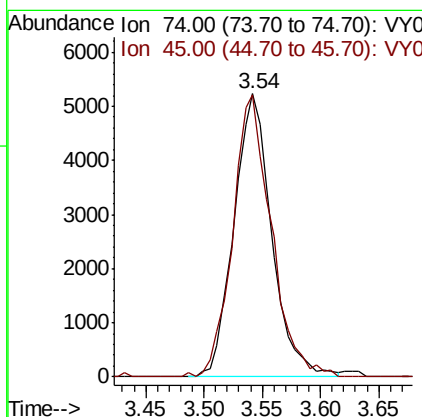
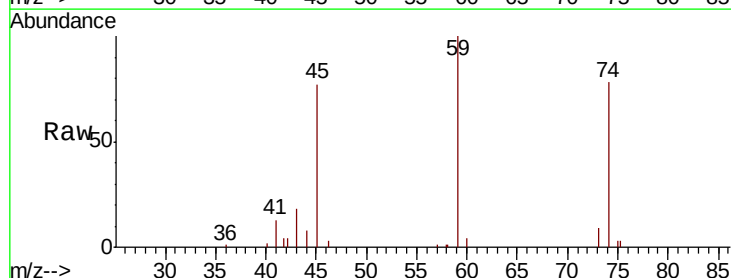
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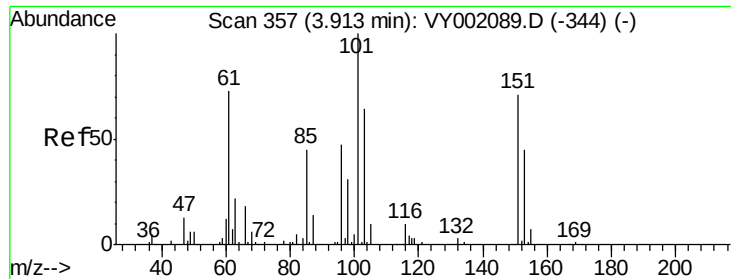


#8

Diethyl Ether
Concen: 10.736 ug/l
RT: 3.54 min Scan# 296
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.351 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

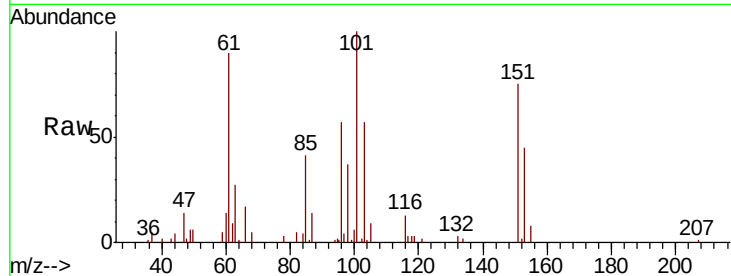
ClientSampleId :

VSTDIC010

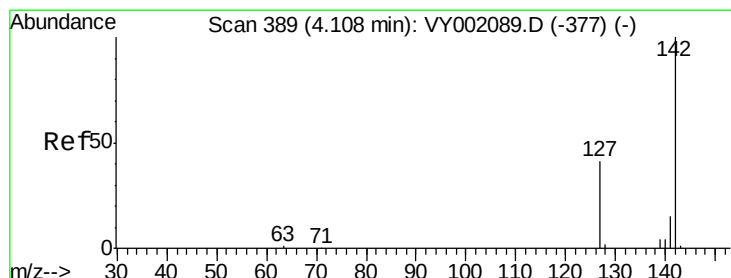
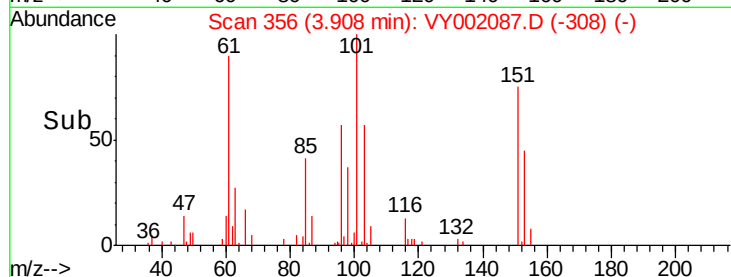
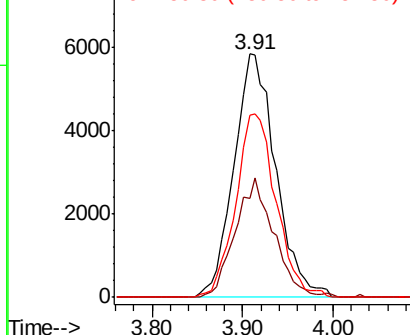
Tot Ion:	101	Resp:	18628
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.9	53.9
151	72.8	57.5	86.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.977 ug/l

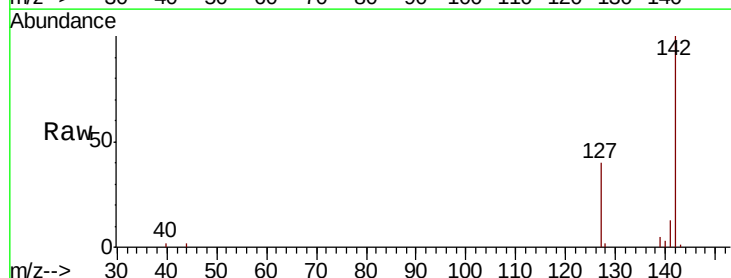
RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

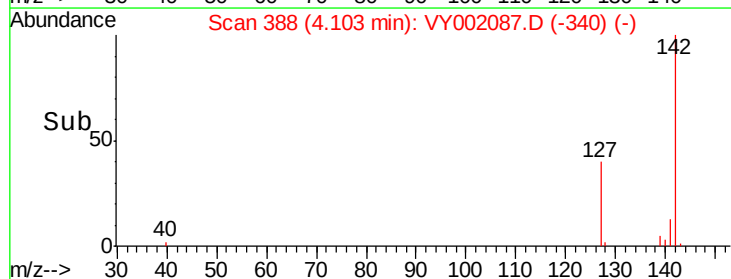
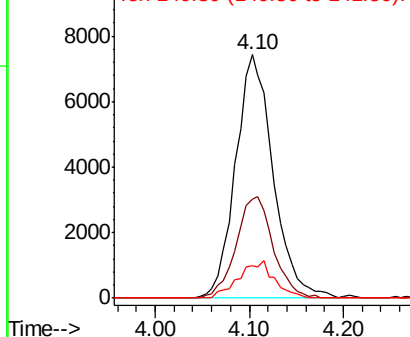
Lab File: VY002087.D

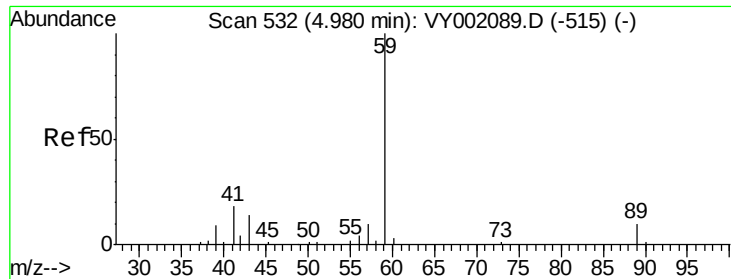
Acq: 26 Mar 2020 15:48

Tgt Ion:	142	Resp:	20734
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.6	49.0
141	14.3	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

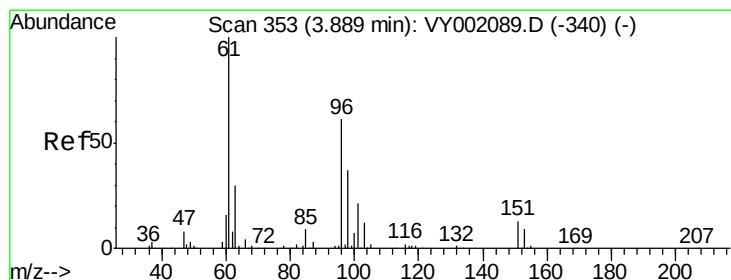
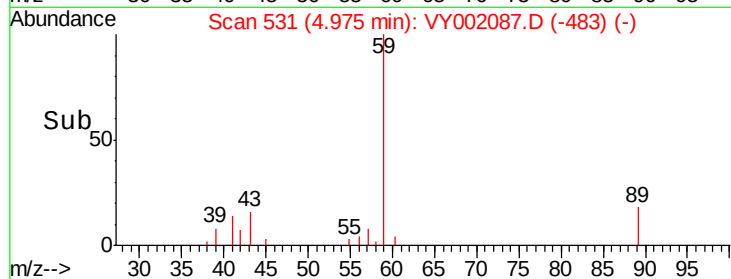
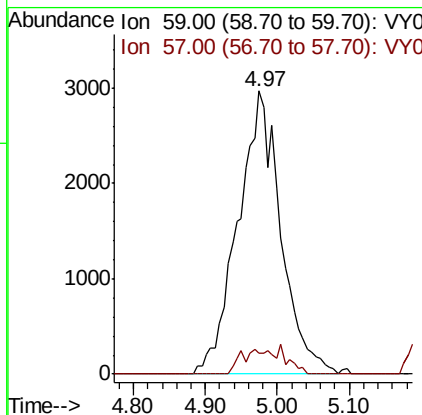
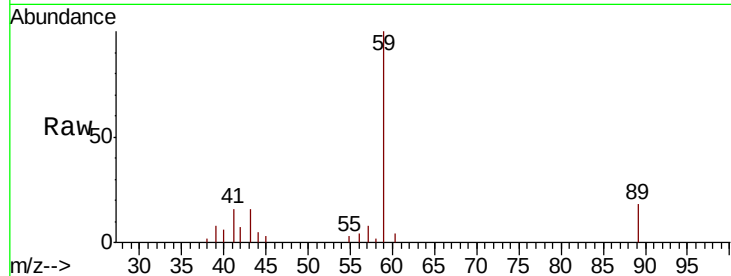
Tert butyl alcohol
 Concen: 57.309 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.6	7.7	11.5#

Manual Integrations
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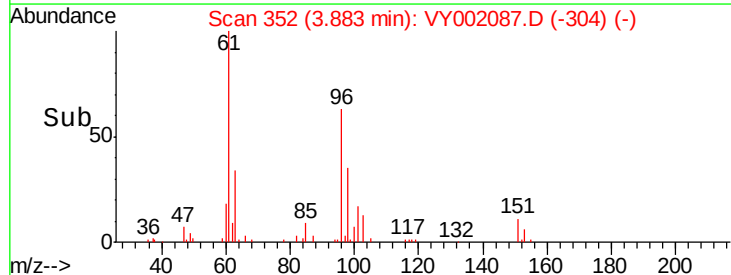
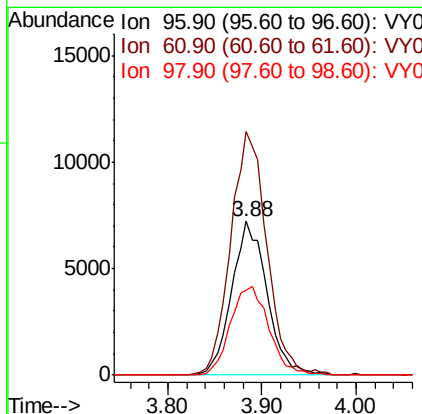
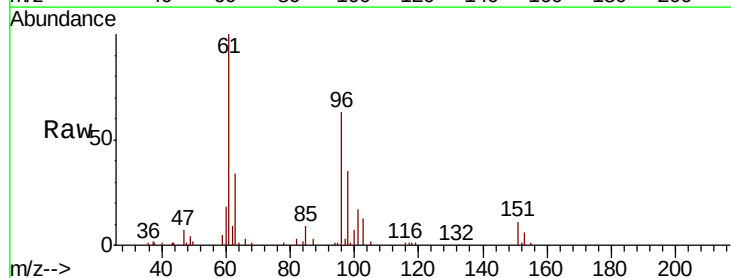
apatel
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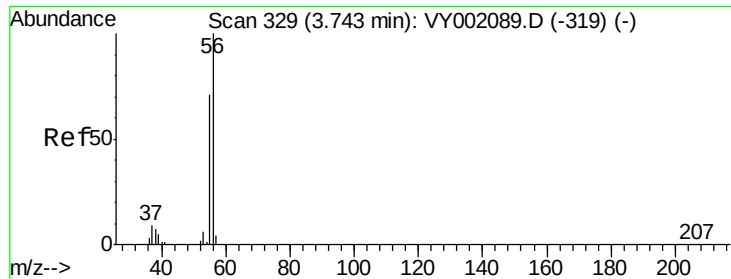


#12

1,1-Dichloroethene
 Concen: 10.368 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	132.0	198.0
98	55.5	49.4	74.0





#13

Acrolein

Concen: 47.955 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 12330

Ion Ratio Lower Upper

56 100

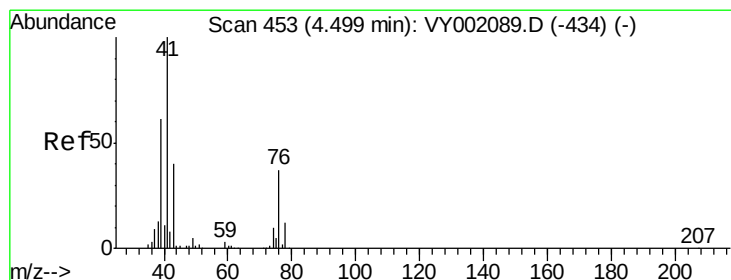
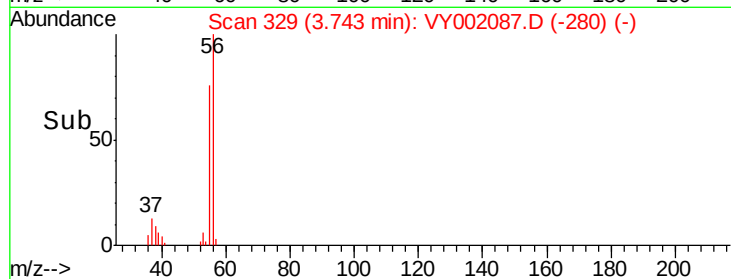
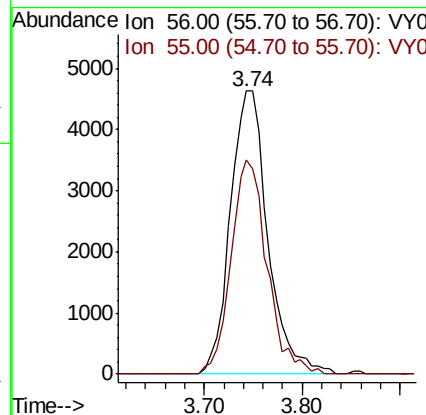
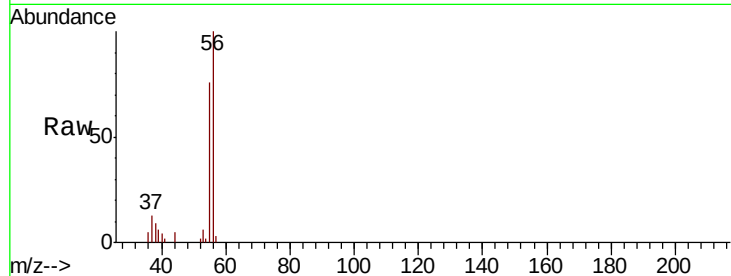
55 72.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 10.294 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

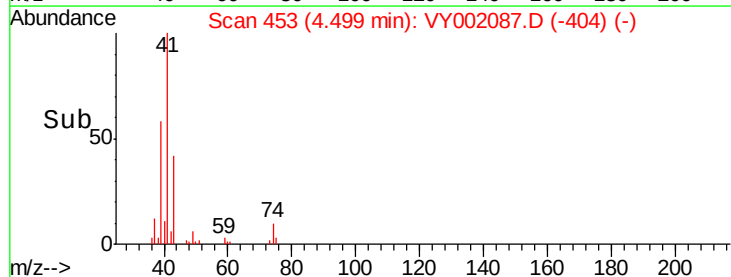
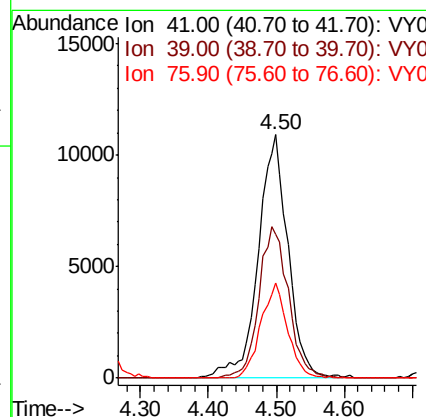
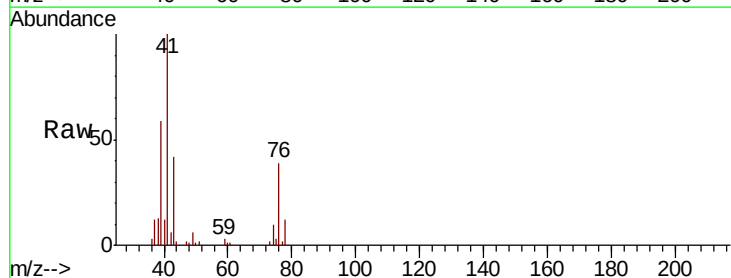
Tgt Ion: 41 Resp: 33382

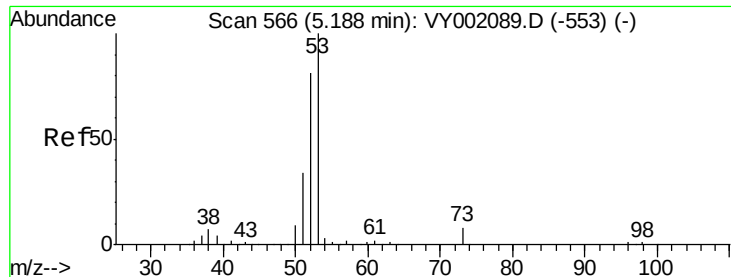
Ion Ratio Lower Upper

41 100

39 61.7 49.0 73.4

76 35.1 27.8 41.8





#15

Acrylonitrile

Concen: 53.550 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

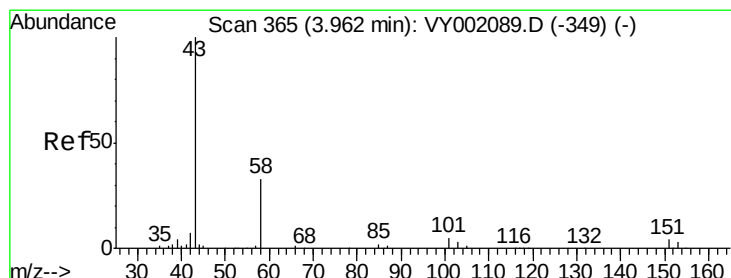
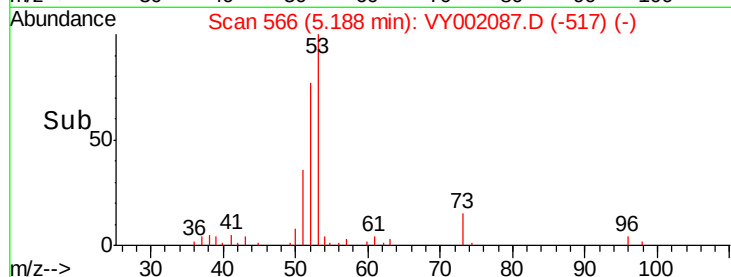
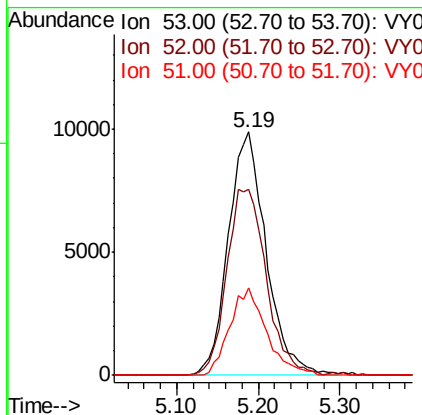
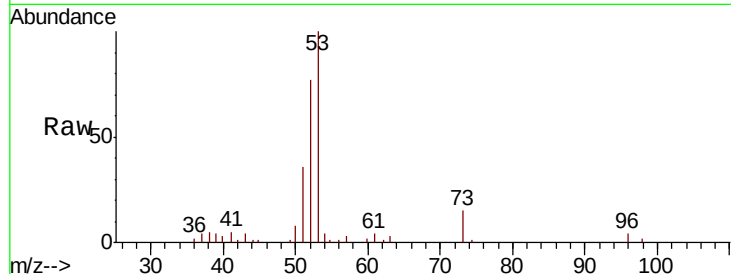
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	31694
Ion	Ratio	Lower	Upper
53	100		
52	79.9	64.6	97.0
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 55.377 ug/l

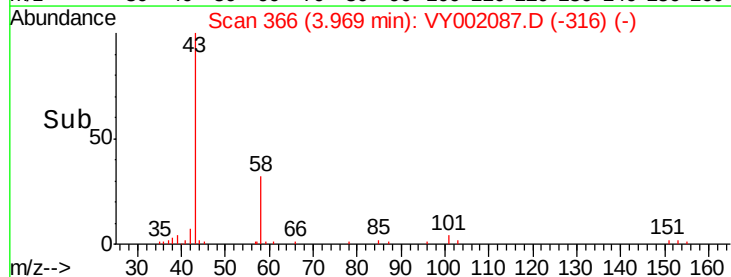
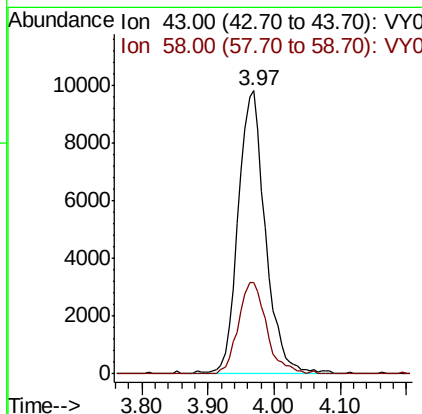
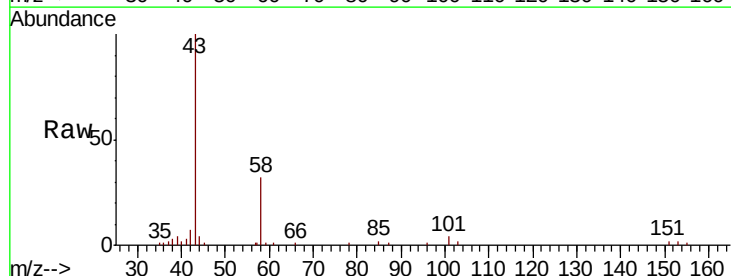
RT: 3.97 min Scan# 366

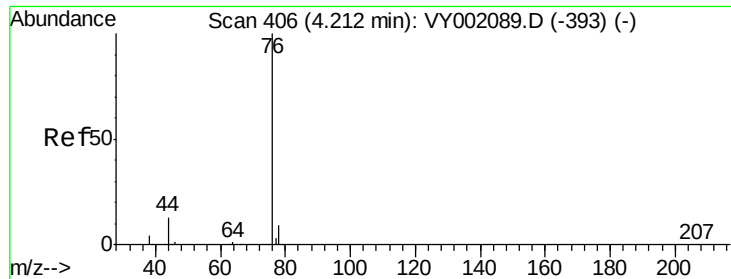
Delta R.T. 0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Tgt Ion:	43	Resp:	28136
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.3	39.5





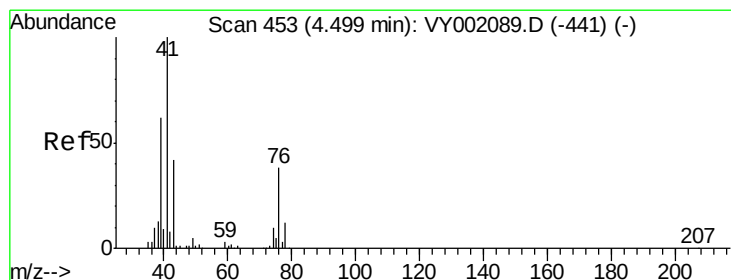
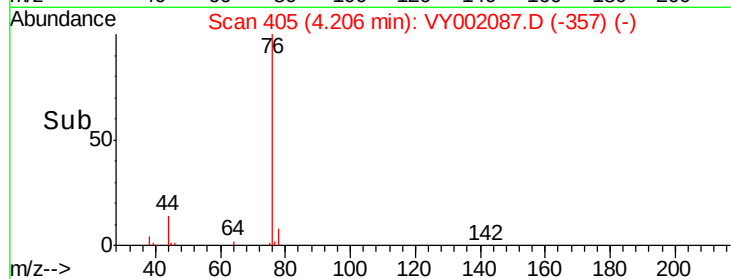
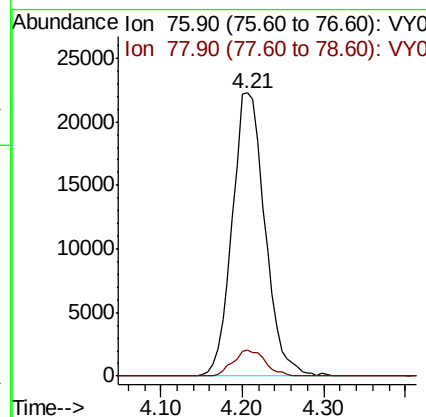
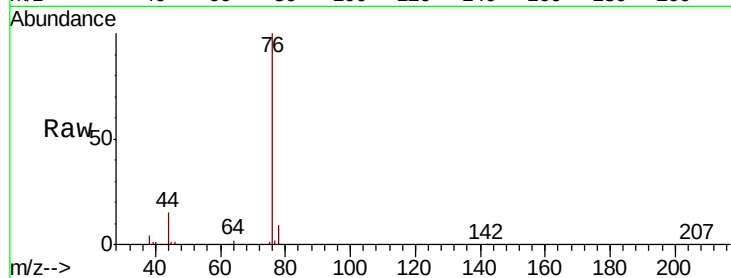
#17
Carbon Disulfide
Concen: 10.158 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

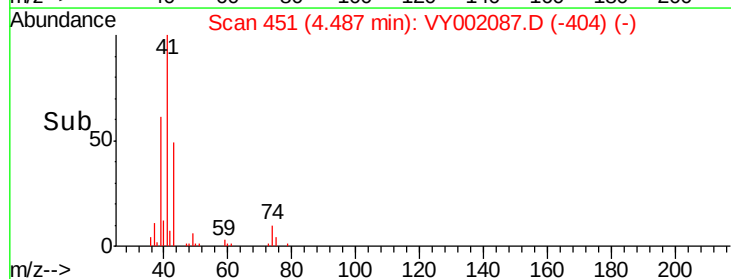
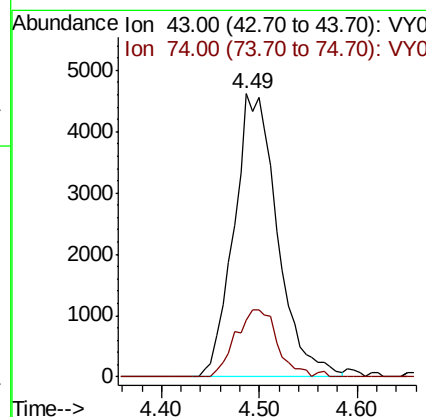
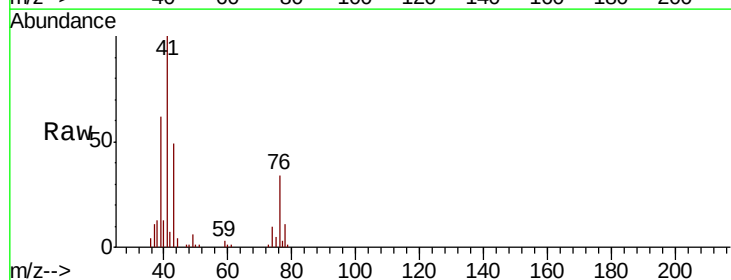
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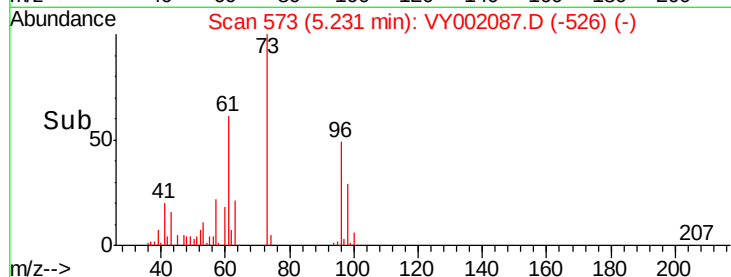
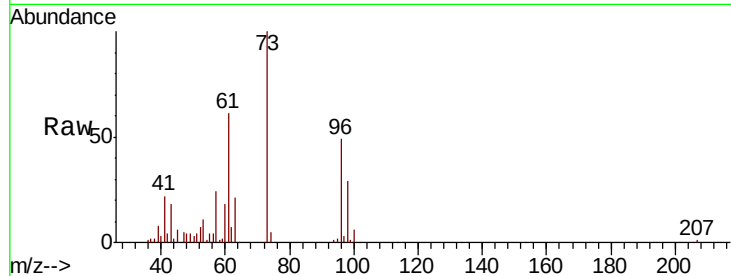
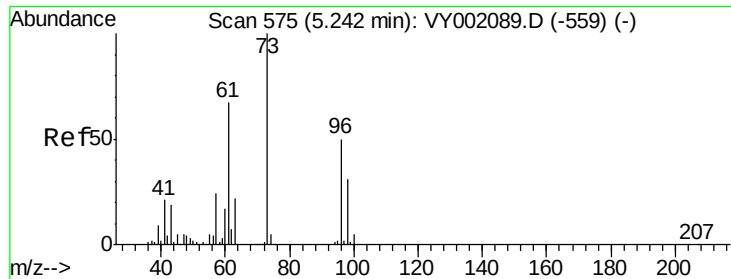
apatel
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#18
Methyl Acetate
Concen: 10.930 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.3	27.5





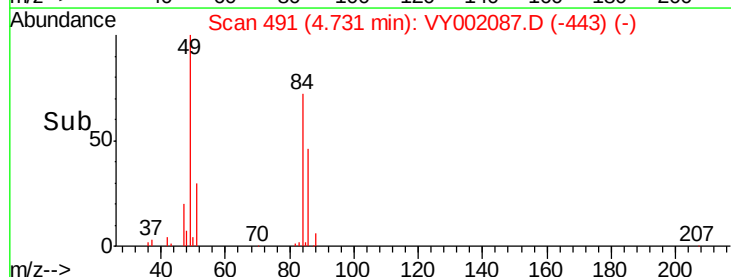
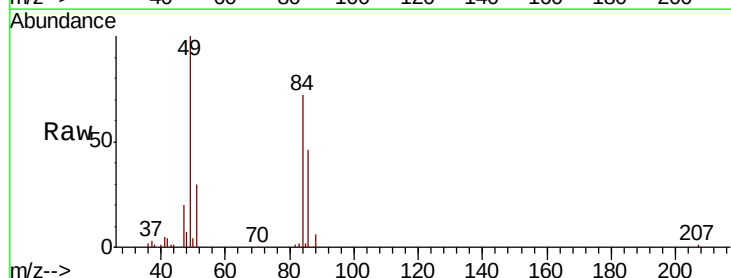
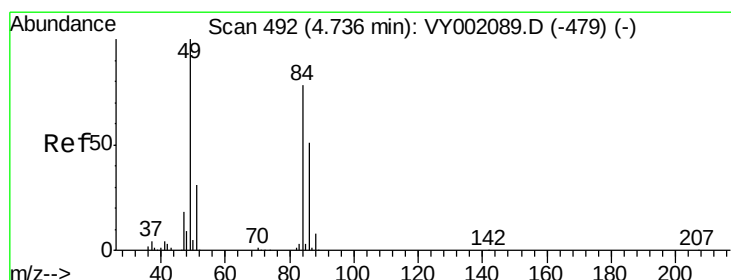
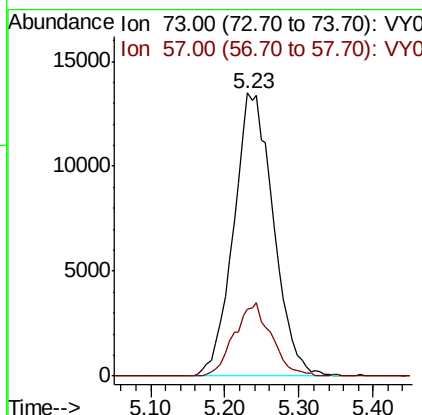
#19
Methyl tert-butyl Ether
Concen: 10.218 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tot Ion: 73 Resp: 50464
Ion Ratio Lower Upper
73 100
57 23.5 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

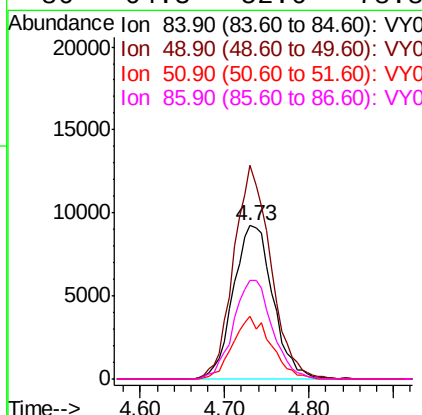
Manual Integrations
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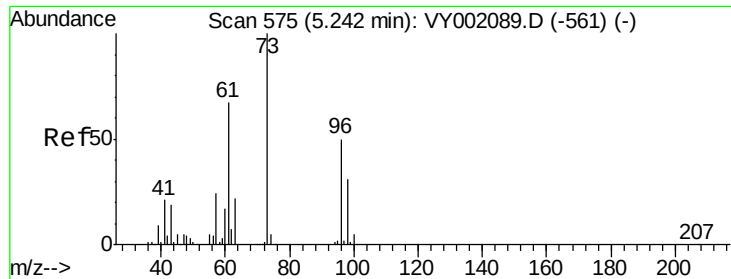
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#20
Methylene Chloride
Concen: 13.453 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion: 84 Resp: 29404
Ion Ratio Lower Upper
84 100
49 139.6 102.2 153.4
51 41.4 31.2 46.8
86 64.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 10.032 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

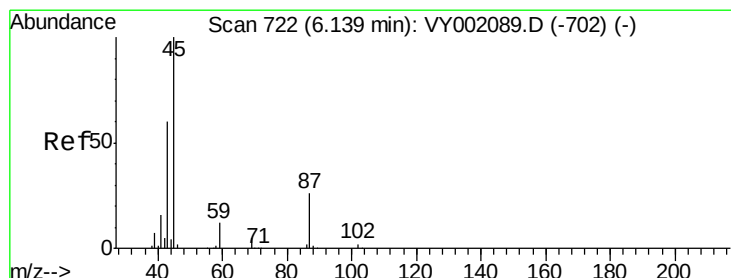
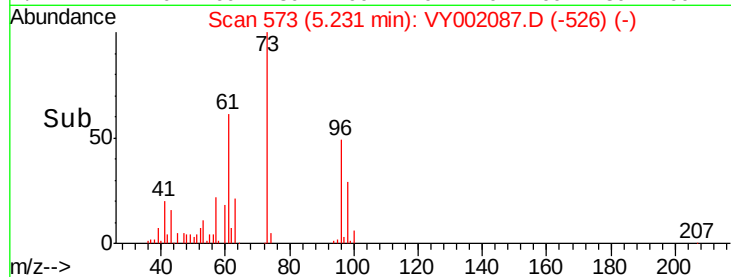
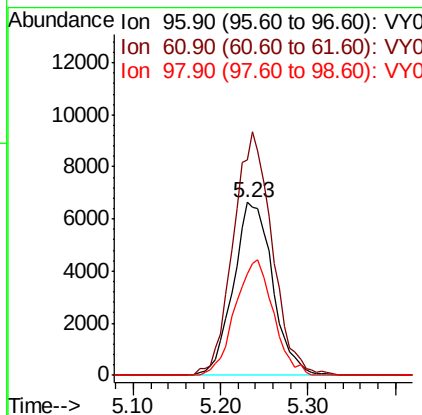
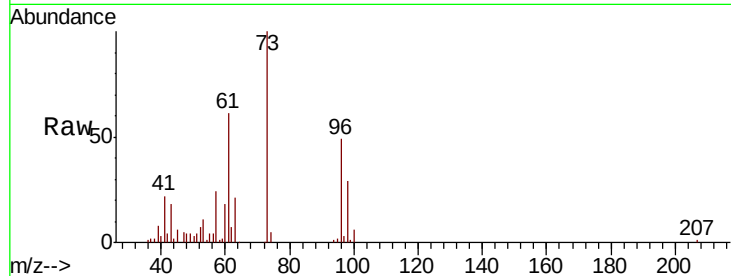
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	20719
Ion	Ratio	Lower	Upper
96	100		
61	124.7	107.7	161.5
98	58.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.476 ug/l

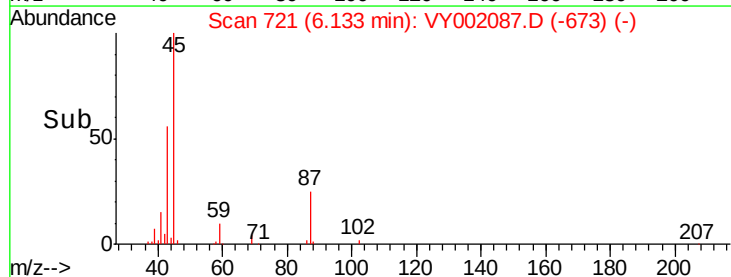
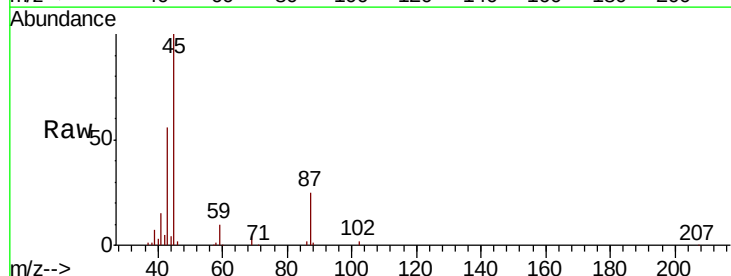
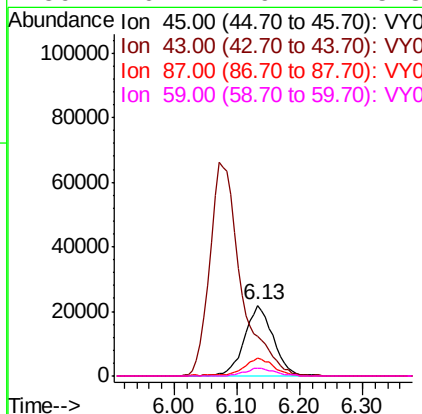
RT: 6.13 min Scan# 721

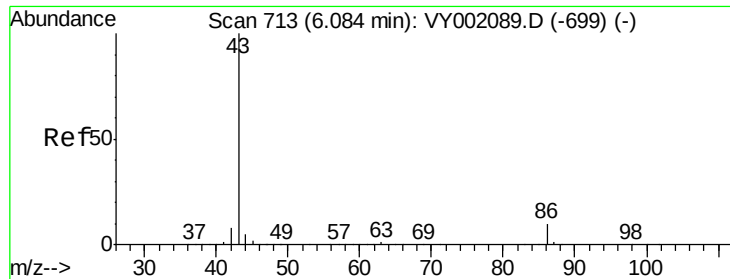
Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Tgt Ion:	45	Resp:	69719
Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.1	72.1
87	25.3	21.1	31.7
59	10.4	9.2	13.8





#23

Vinyl Acetate

Concen: 52.387 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 227948

Ion Ratio Lower Upper

43 100

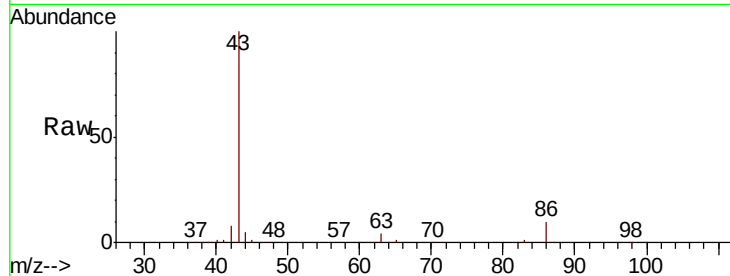
86 10.0 7.9 11.9

Manual Integrations

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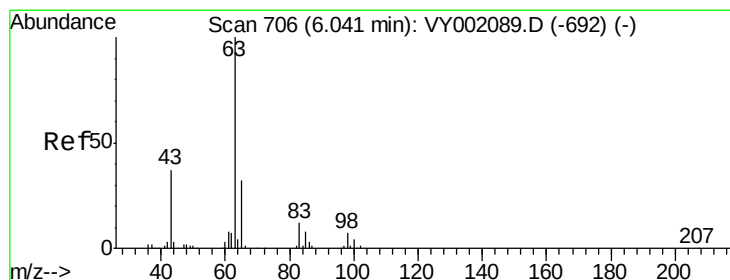
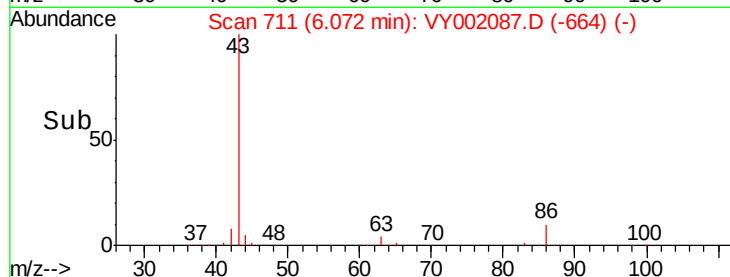
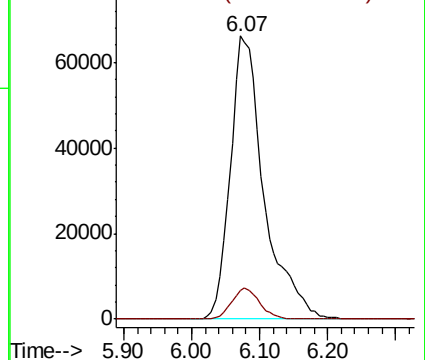
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 10.239 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

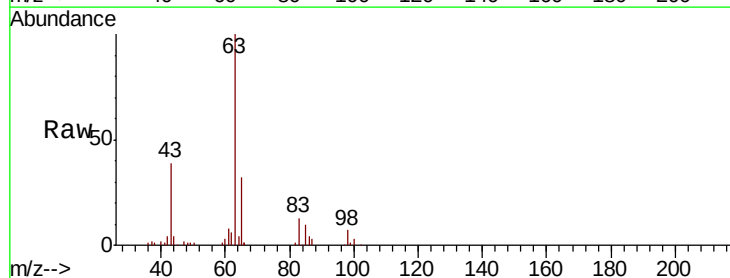
Tgt Ion: 63 Resp: 36775

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

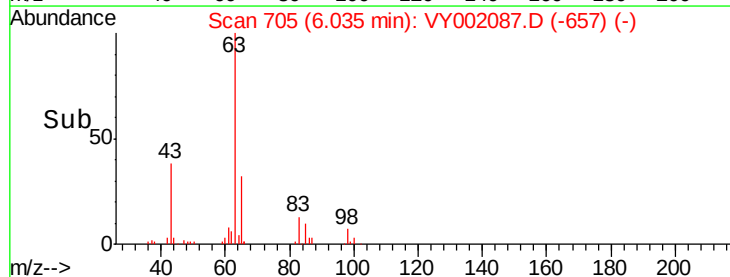
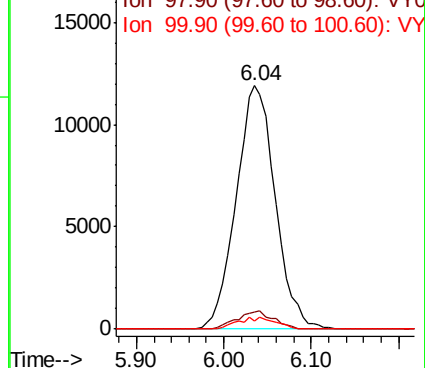
100 3.4 1.8 5.5

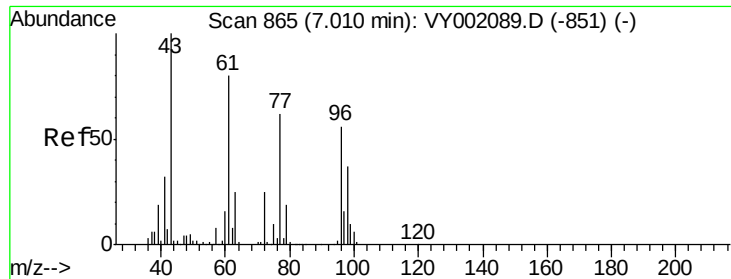


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 55.608 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 42985

Ion Ratio Lower Upper

43 100

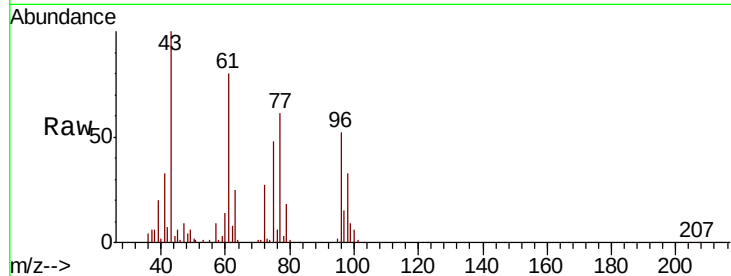
72 26.7 20.2 30.2

Manual Integrations

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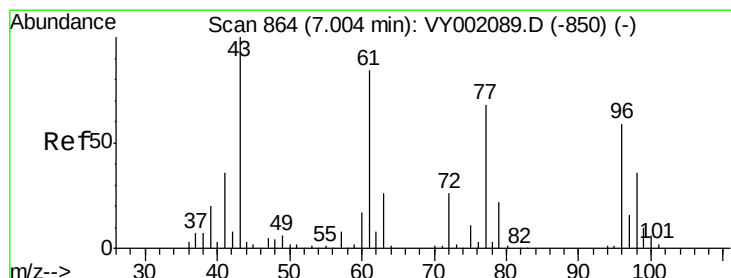
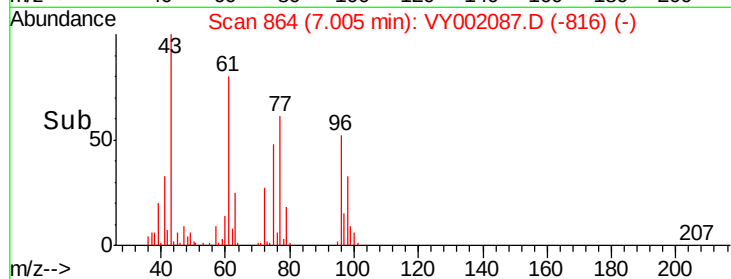
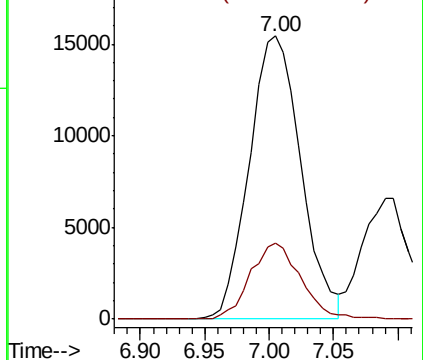
apatel

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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: 10.450 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002087.D

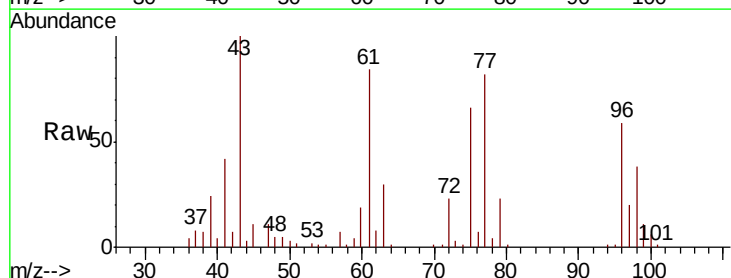
Acq: 26 Mar 2020 15:48

Tgt Ion: 77 Resp: 30874

Ion Ratio Lower Upper

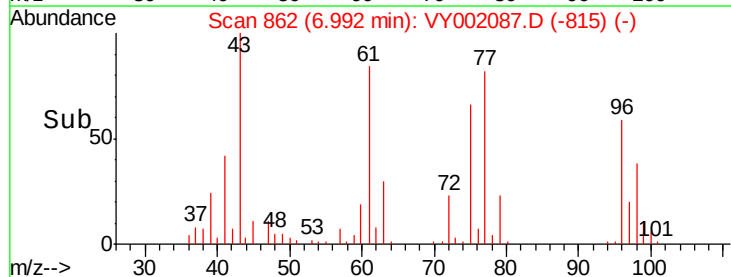
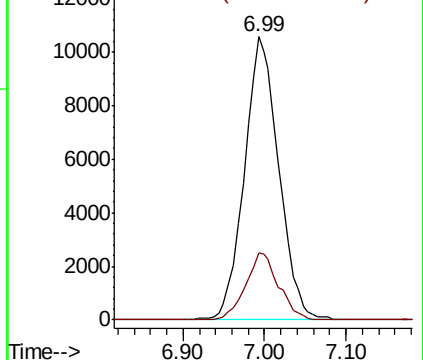
77 100

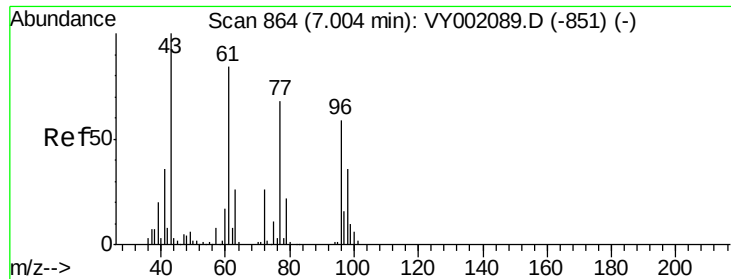
97 22.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

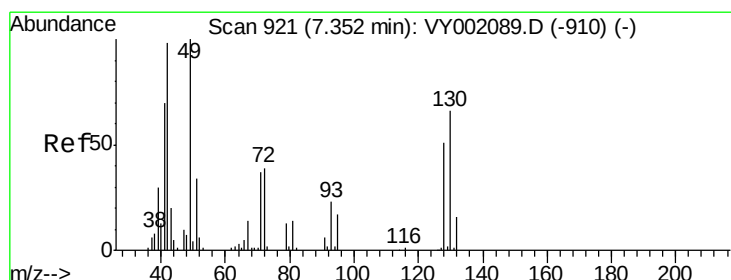
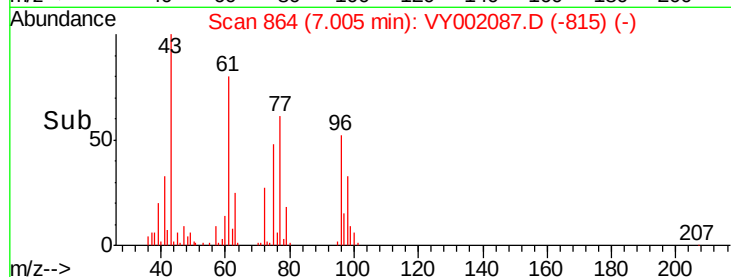
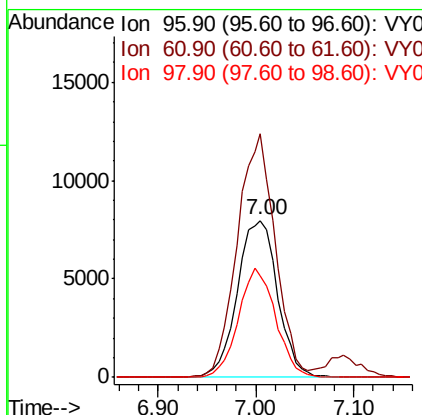
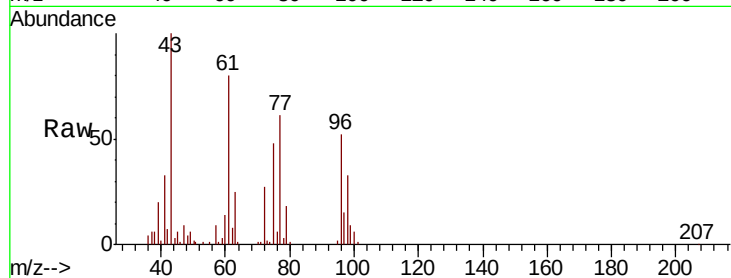
cis-1,2-Dichloroethene
Concen: 10.108 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	290.6
98	64.4	0.0	128.0

Manual Integrations
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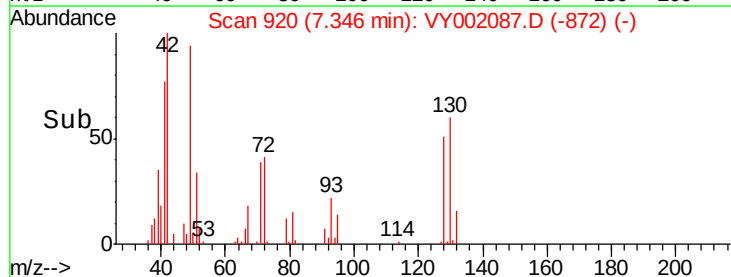
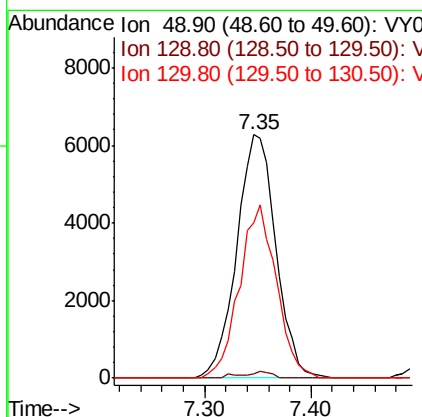
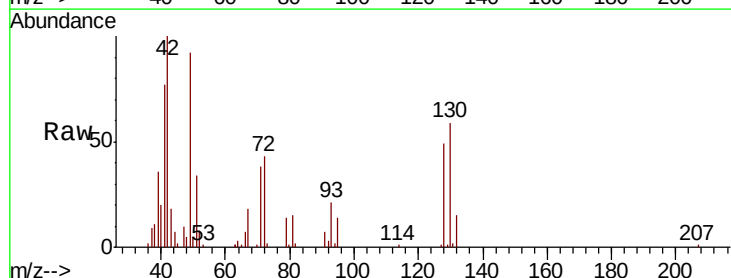
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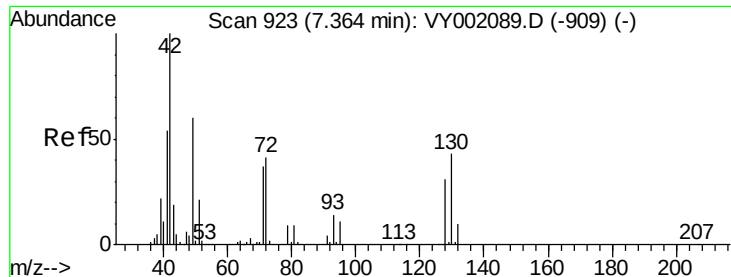


#28

Bromochloromethane
Concen: 9.894 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	67.2	54.1	81.1





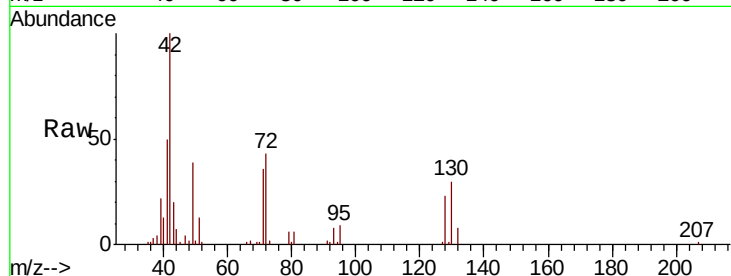
#29
Tetrahydrofuran
Concen: 53.297 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

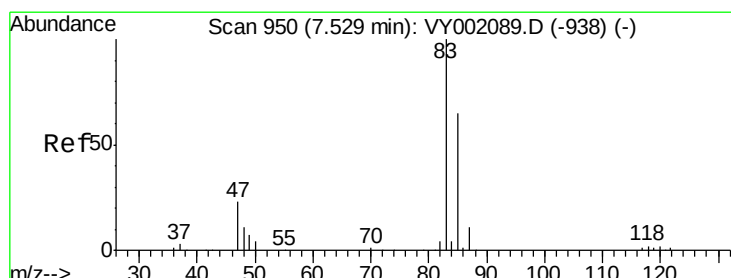
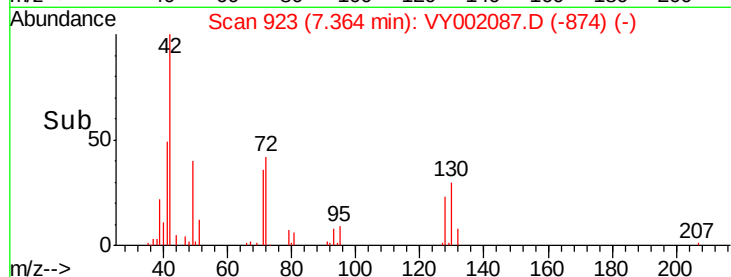
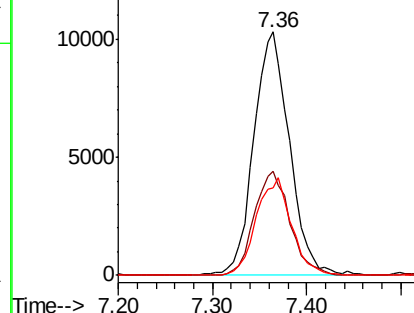
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.0	49.4
71	39.3	31.2	46.8

Manual Integrations
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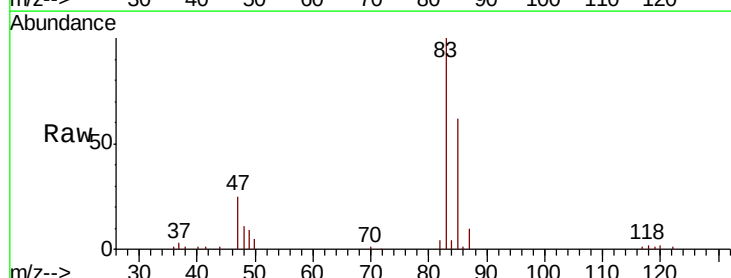


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

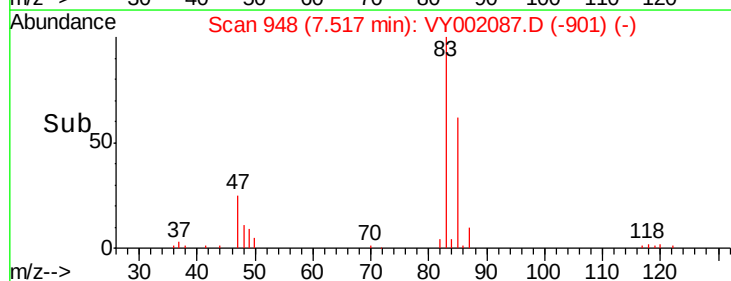
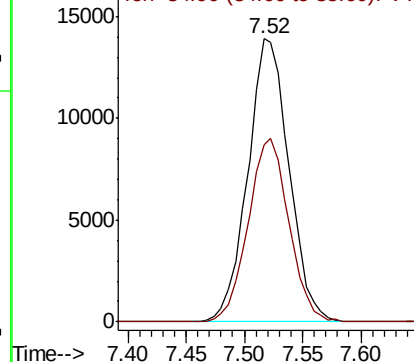


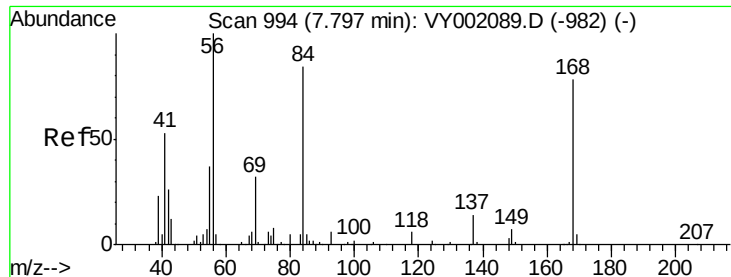
#30
Chloroform
Concen: 10.127 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





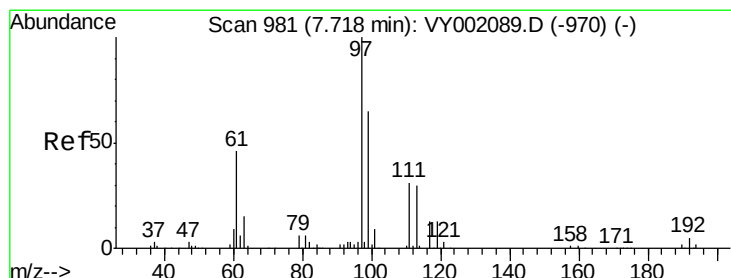
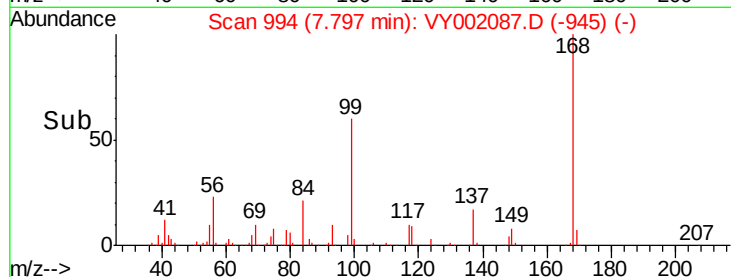
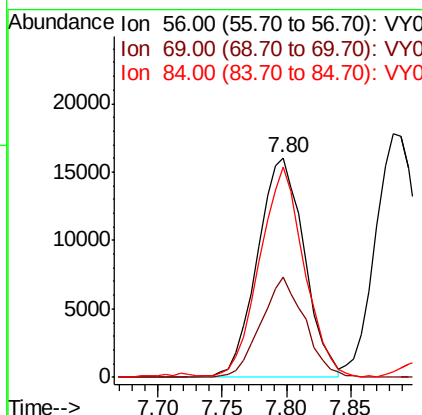
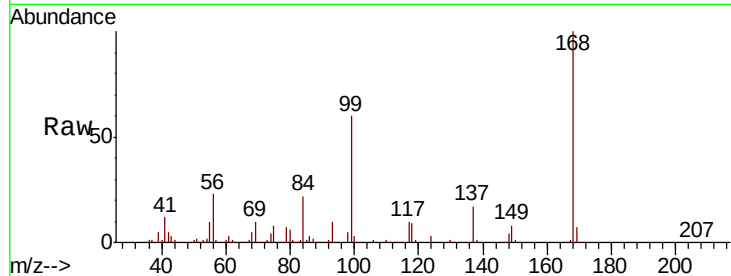
#31
Cyclohexane
Concen: 10.540 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.8	25.8	38.8#
84	94.6	67.1	100.7

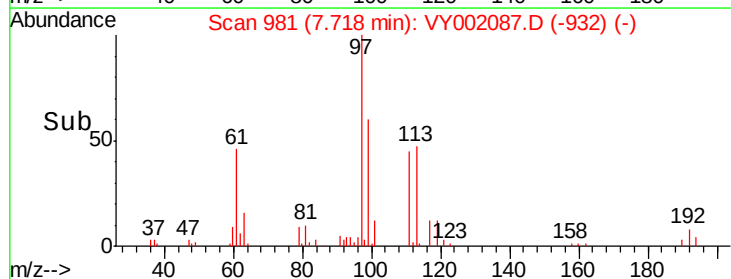
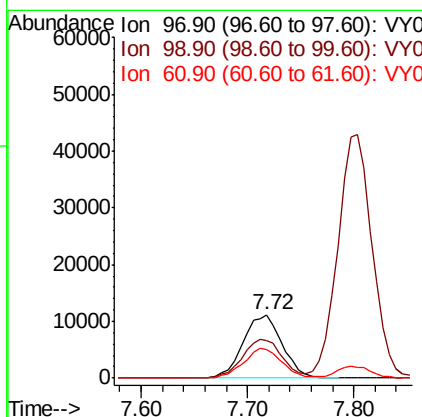
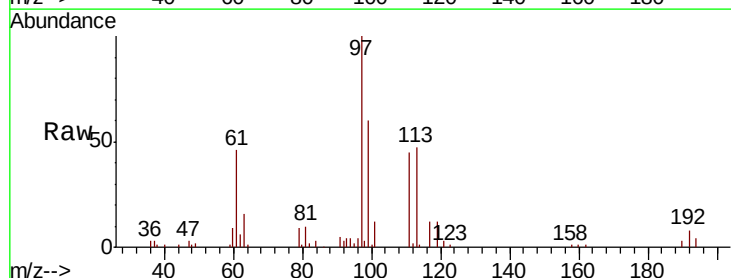
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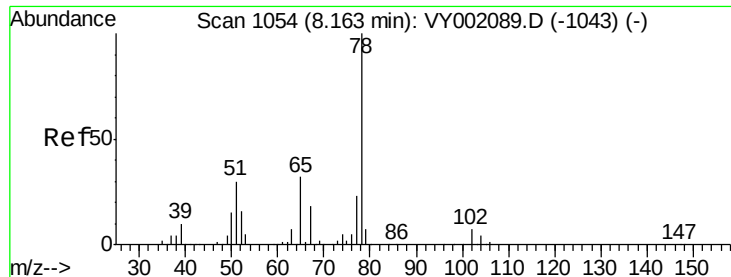
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#32
1,1,1-Trichloroethane
Concen: 10.108 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.0	78.0
61	45.3	35.7	53.5





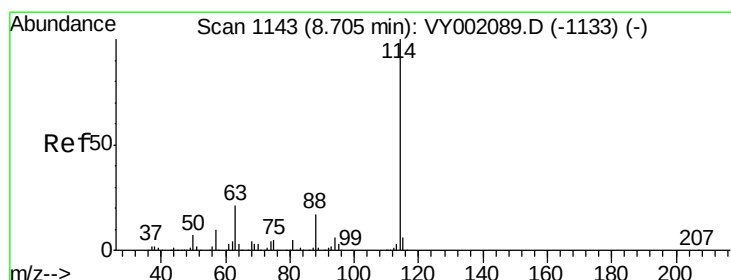
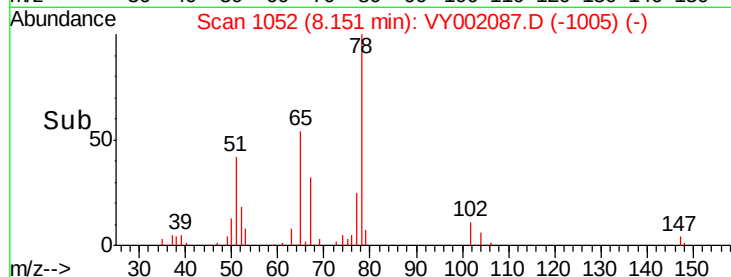
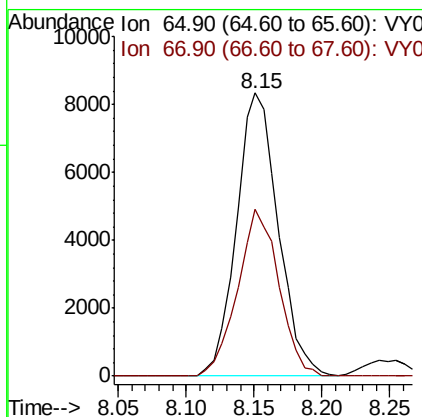
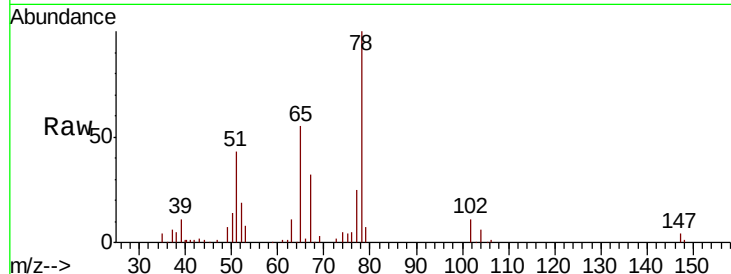
#33
 1,2-Dichloroethane-d4
 Concen: 10.056 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	17864		
67	58.2	0.0	112.8	

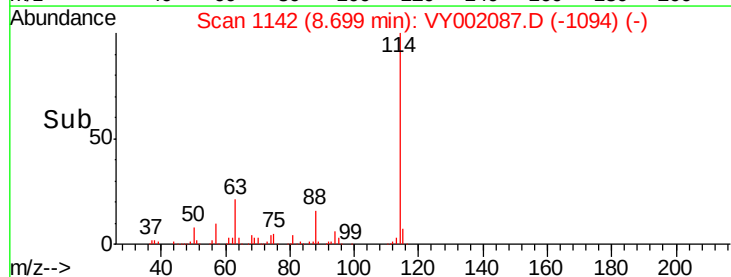
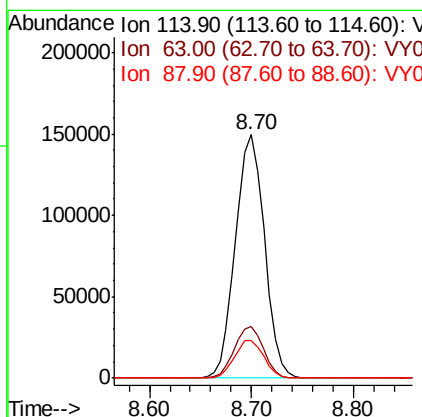
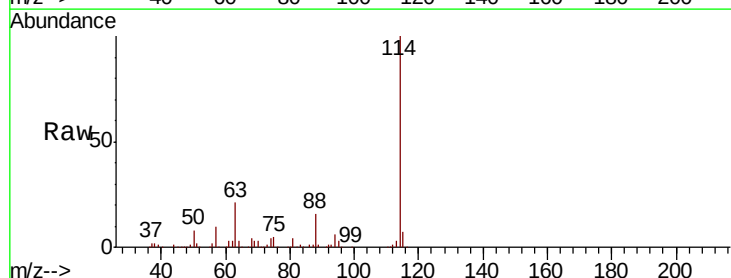
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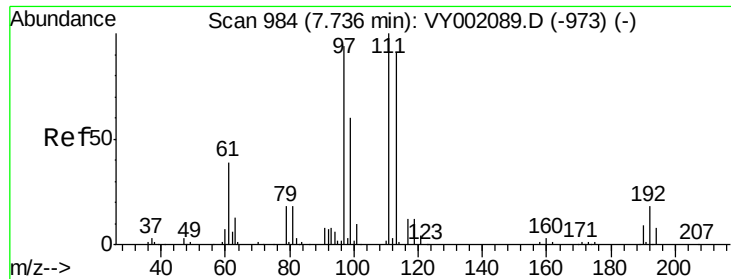
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295356		
63	21.3	0.0	41.4	
88	15.6	0.0	33.0	





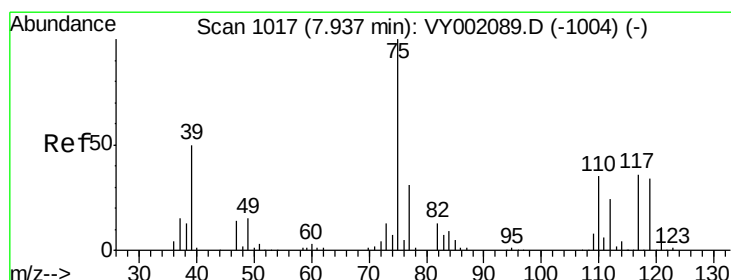
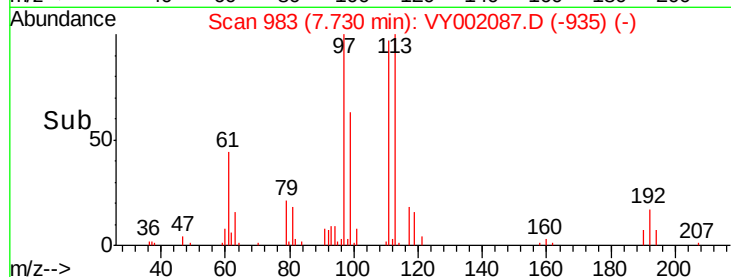
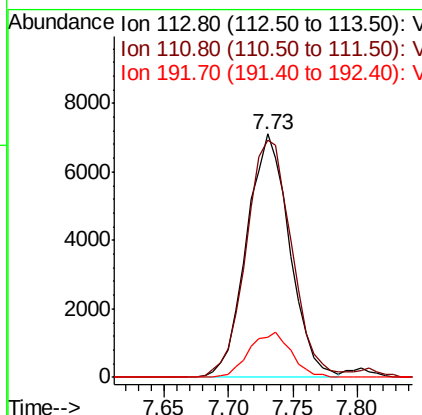
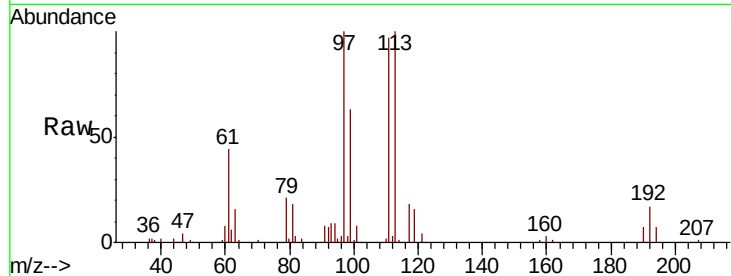
#35
Dibromofluoromethane
Concen: 10.144 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.4	126.6
192	18.1	14.6	21.8

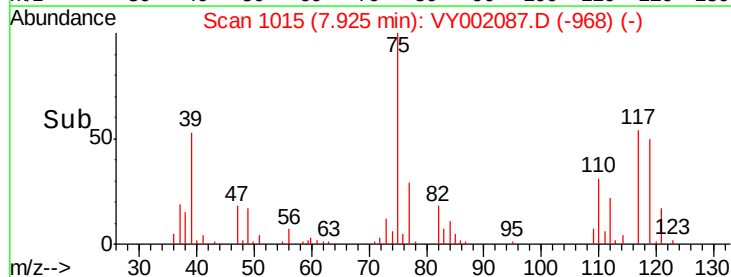
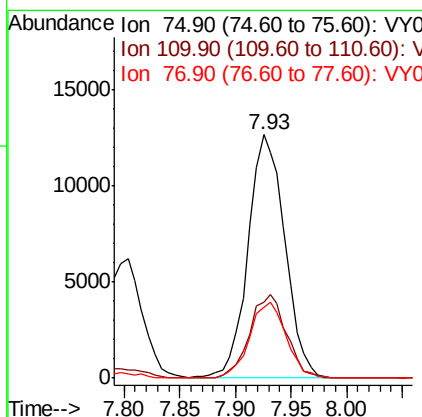
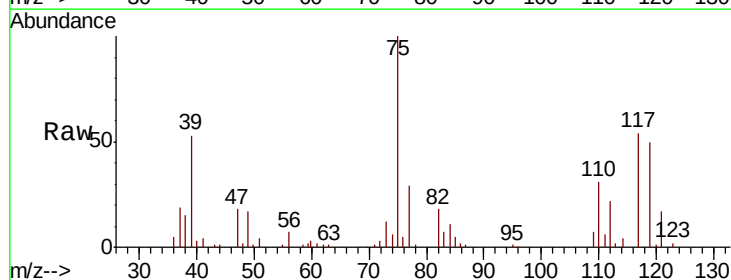
Manual Integrations
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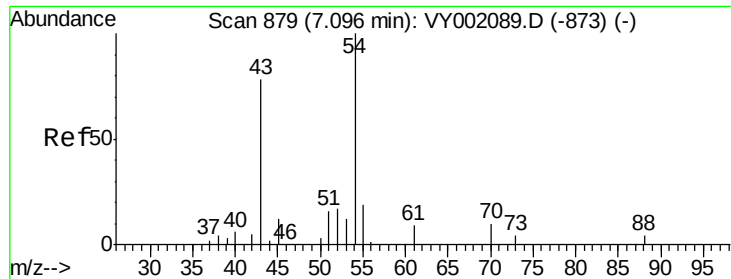
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#36
1,1-Dichloropropene
Concen: 10.389 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.2	51.6
77	30.9	24.7	37.1





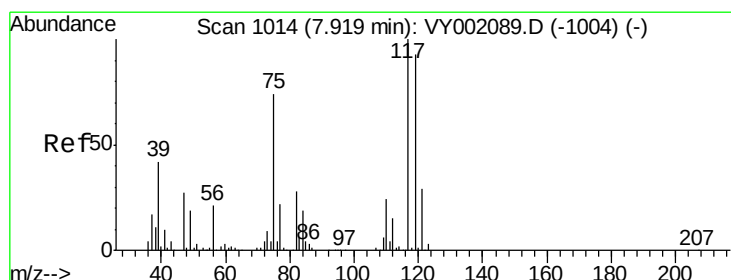
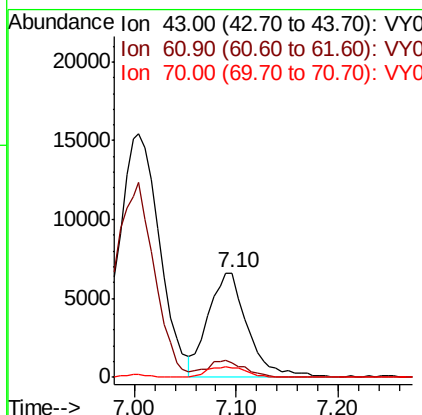
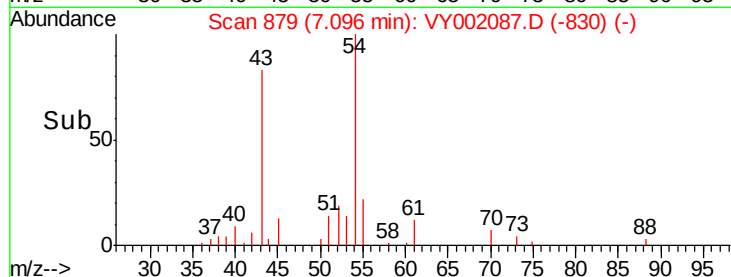
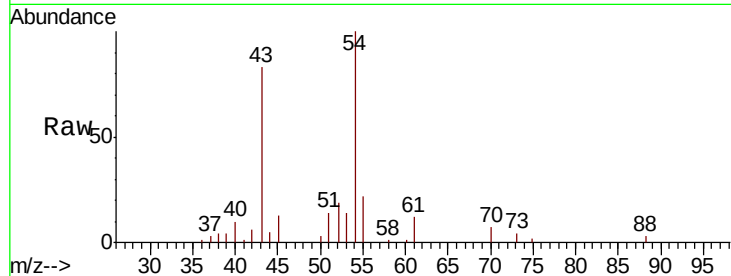
#37
Ethyl Acetate
Concen: 10.990 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	9.7	8.2	12.4

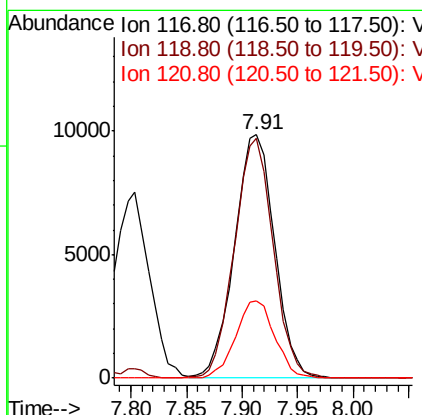
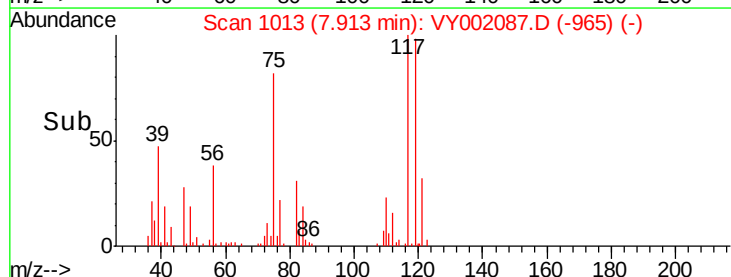
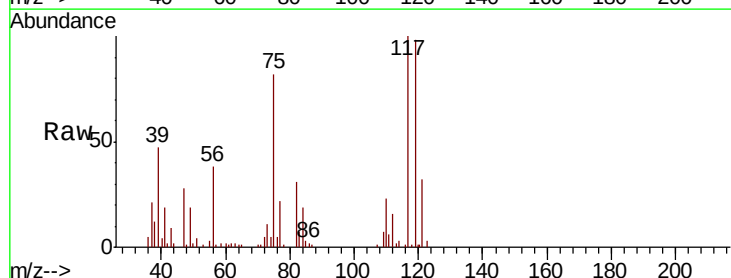
Manual Integrations
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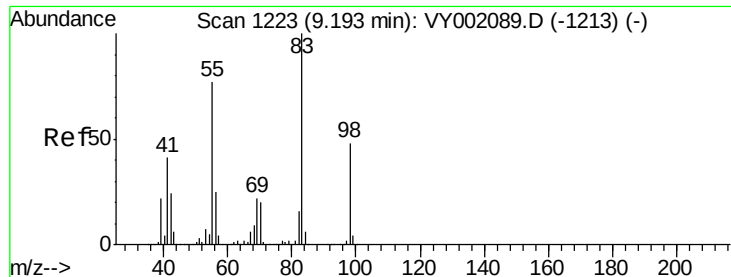
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#38
Carbon Tetrachloride
Concen: 10.255 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.3	111.5
121	31.7	23.3	34.9





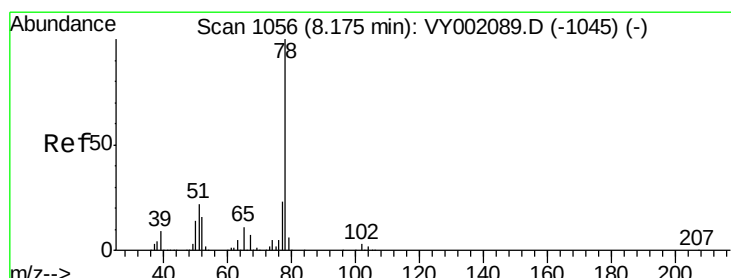
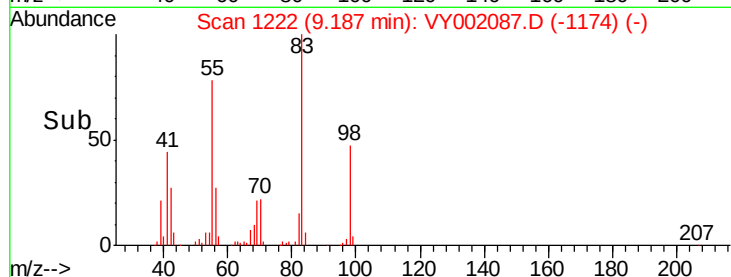
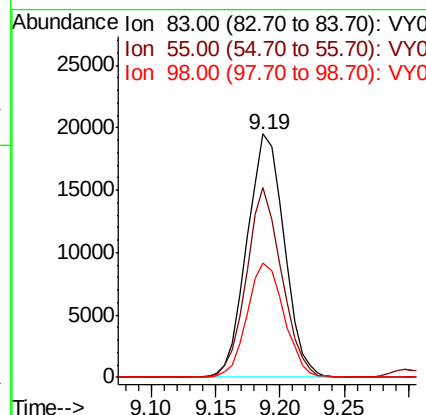
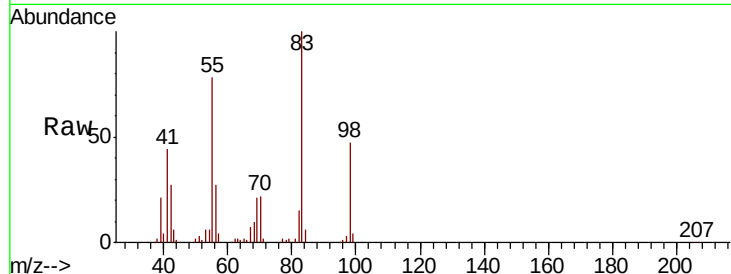
#39
Methylvlcyclohexane
Concen: 10.404 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.2	91.8
98	47.1	38.2	57.2

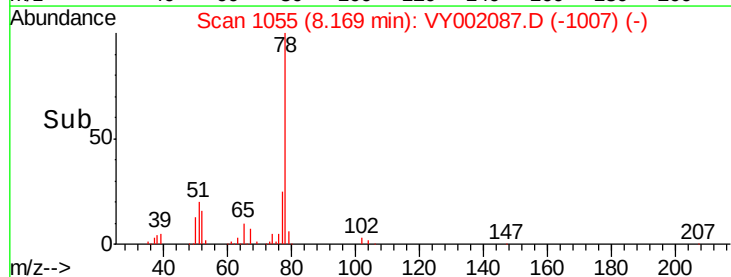
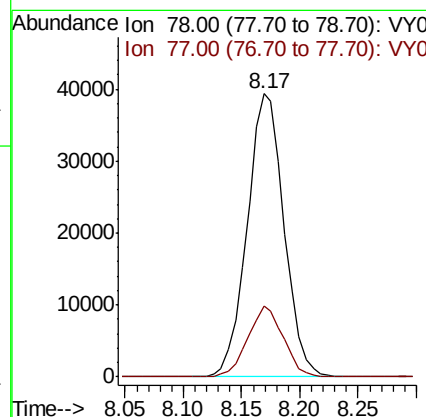
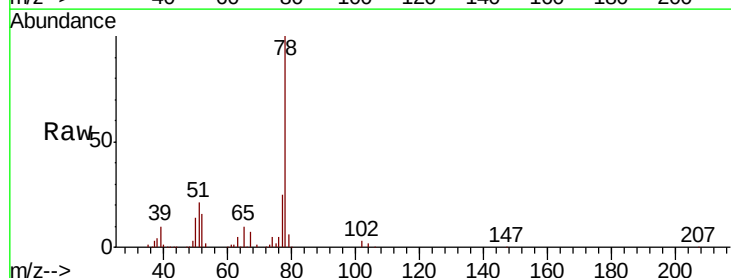
Manual Integrations
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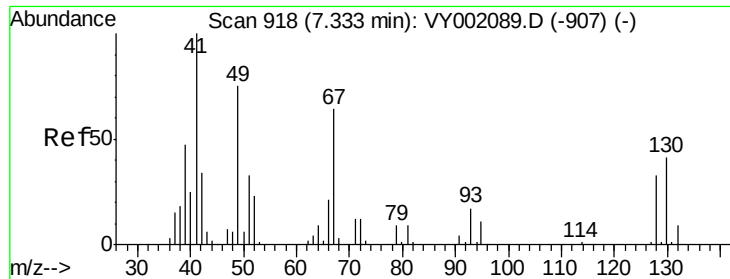
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#40
Benzene
Concen: 10.353 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.2	27.4





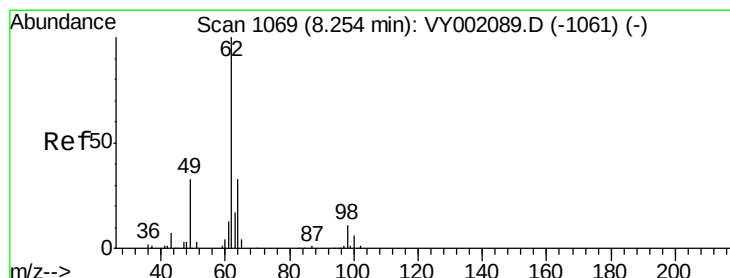
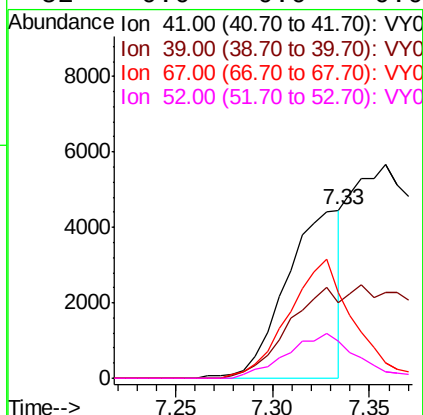
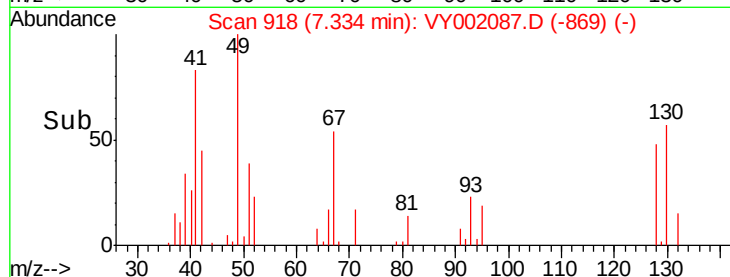
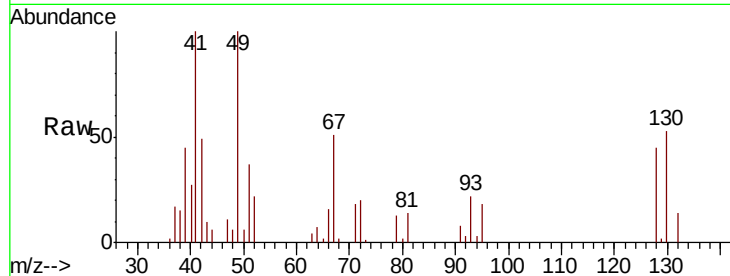
#41
Methacrylonitrile
Concen: 11.558 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	41	Resp:	8795
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

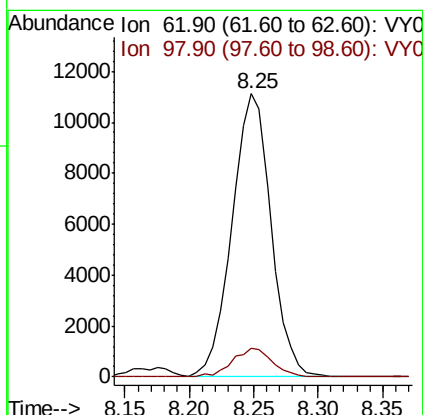
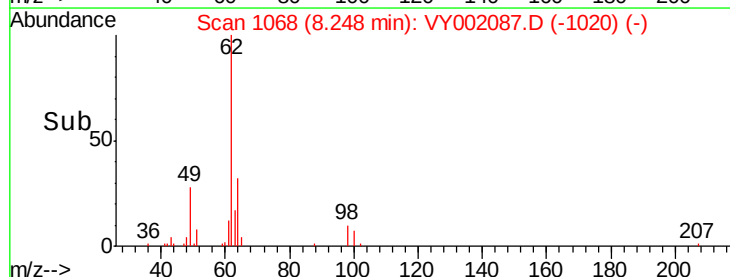
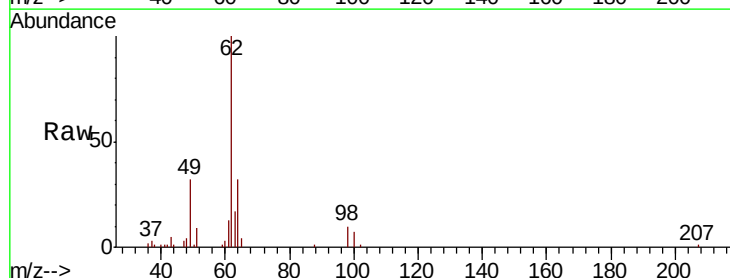
Manual Integrations
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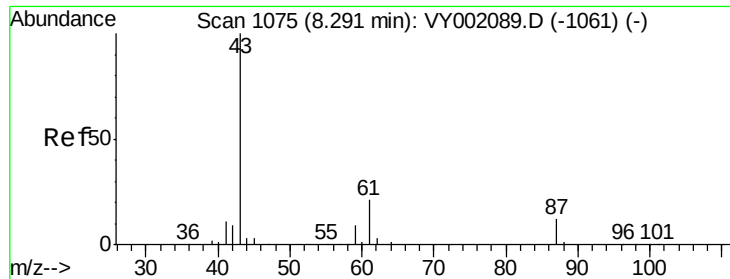
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#42
1,2-Dichloroethane
Concen: 10.811 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	62	Resp:	23333
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	21.2





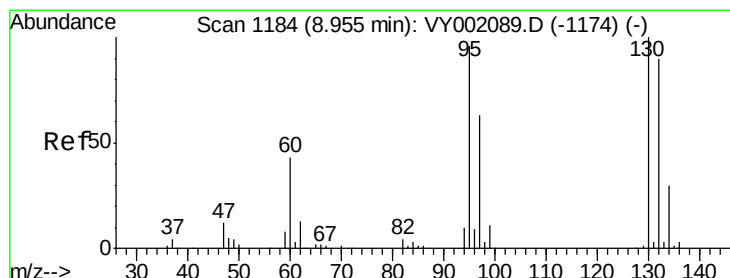
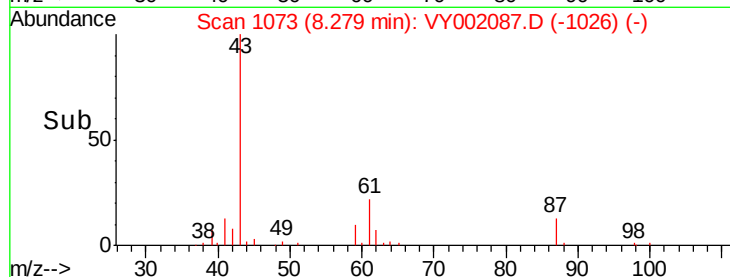
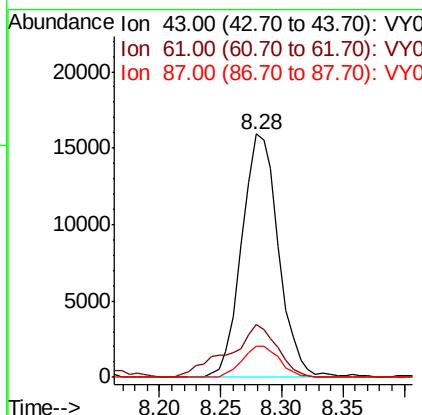
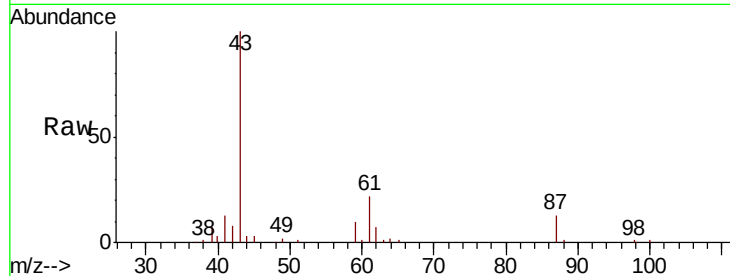
#43
Isopropyl Acetate
Concen: 10.718 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.4	35.2
87	13.0	10.2	15.4

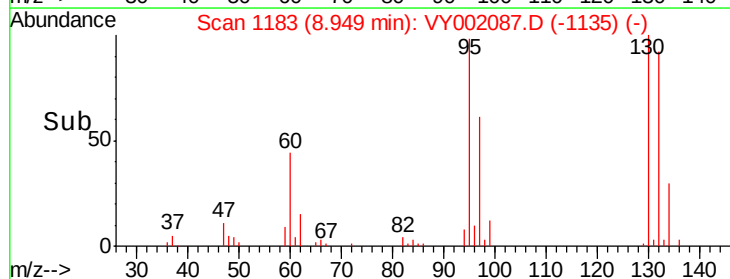
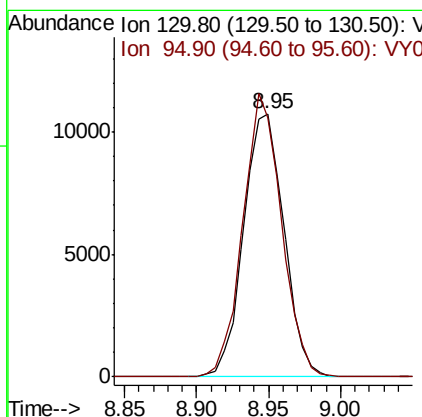
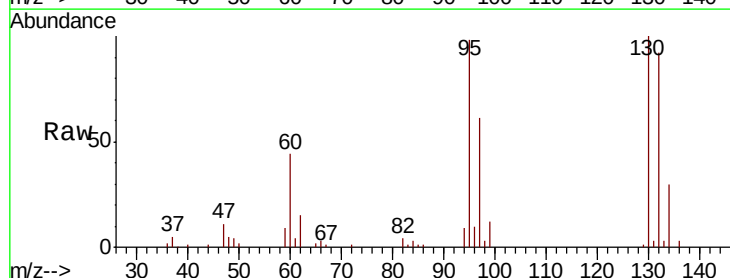
Manual Integrations
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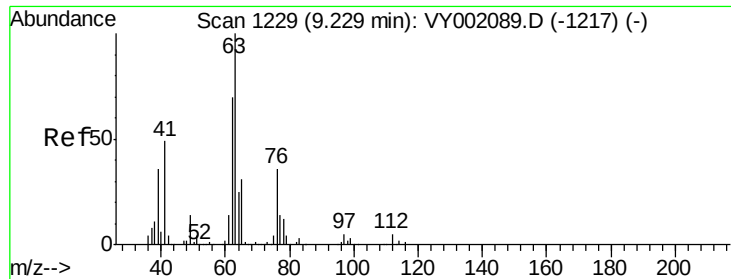
apatel
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#44
Trichloroethene
Concen: 10.204 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	193.0





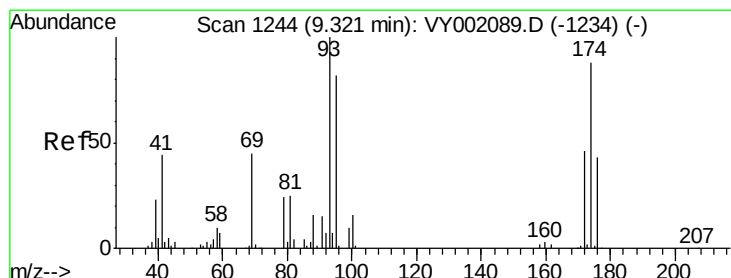
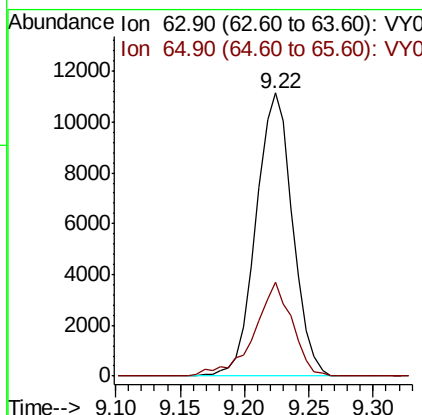
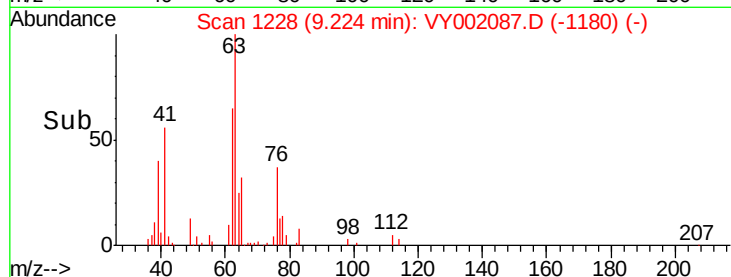
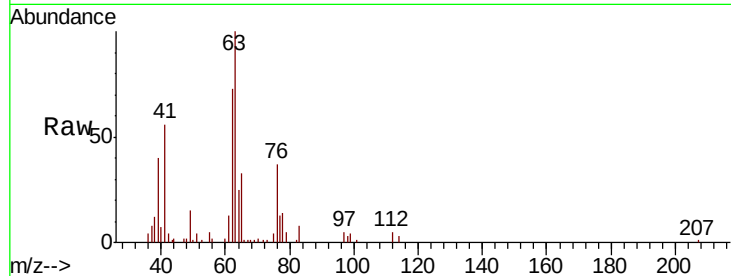
#45
 1,2-Dichloropropane
 Concen: 10.363 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 21841
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.6

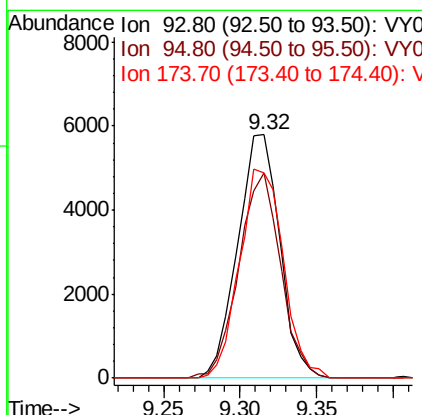
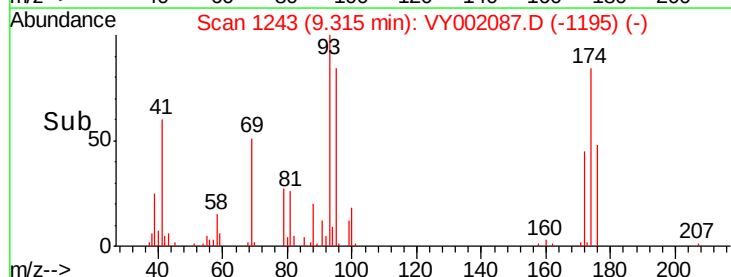
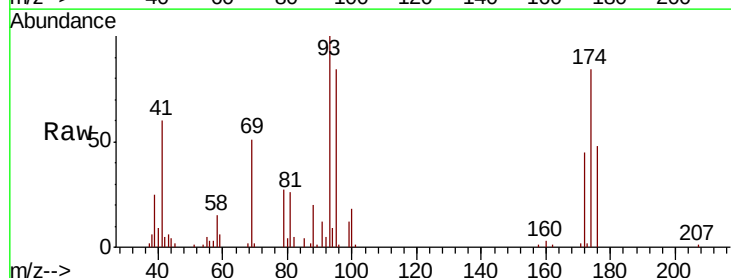
Manual Integrations
 APPROVED

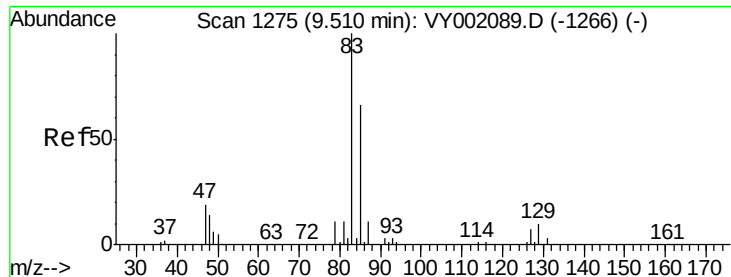
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#46
 Dibromomethane
 Concen: 10.223 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion: 93 Resp: 11102
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.0 99.0
 174 88.9 69.8 104.8





#47

Bromodichloromethane

Concen: 9.963 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

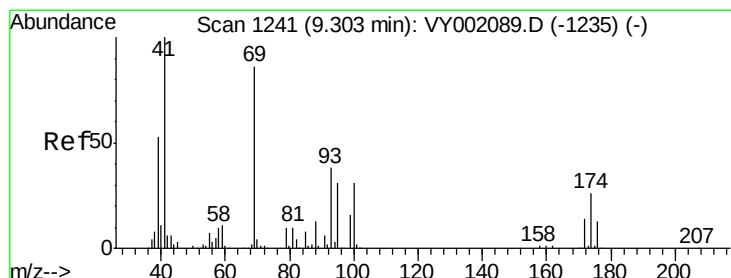
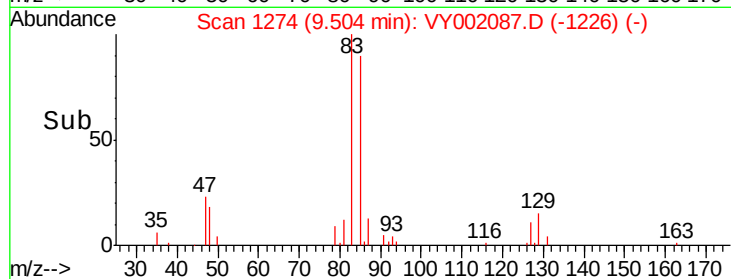
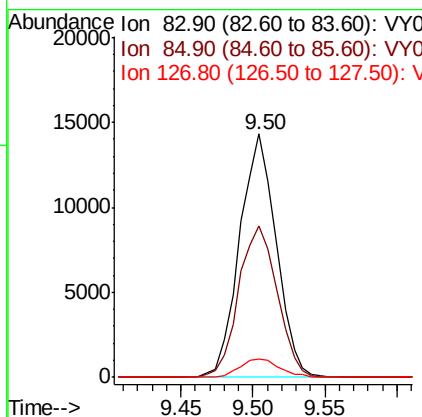
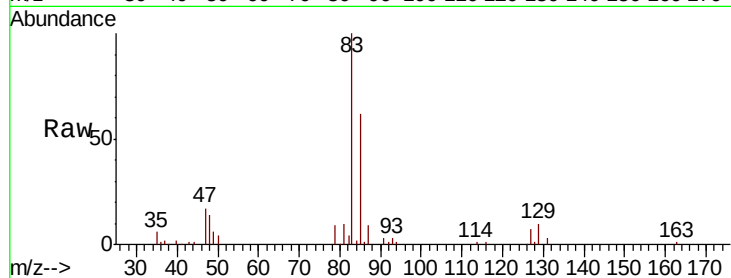
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	25198
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0
127	7.3	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.918 ug/l

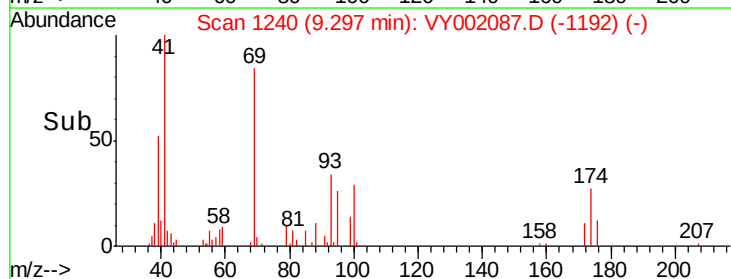
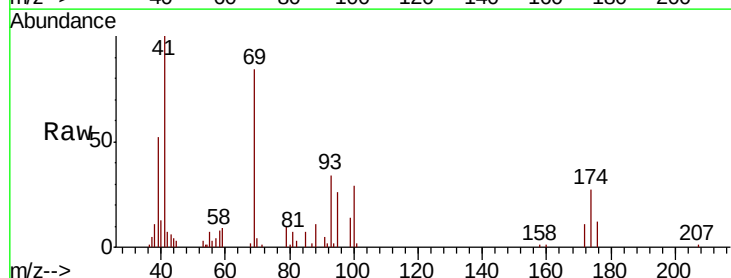
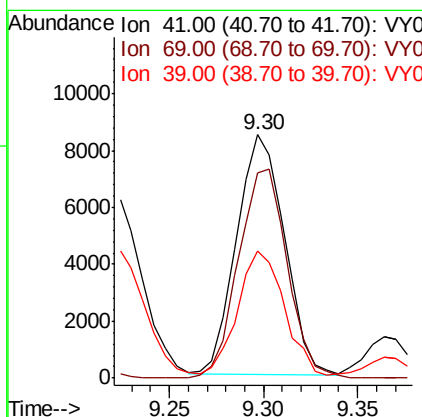
RT: 9.30 min Scan# 1240

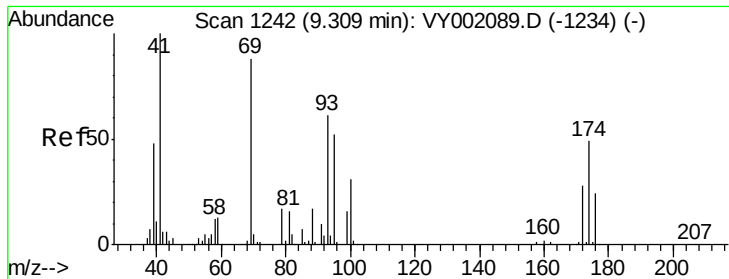
Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Tgt Ion:	41	Resp:	14928
Ion	Ratio	Lower	Upper
41	100		
69	88.3	71.4	107.0
39	52.6	41.0	61.4





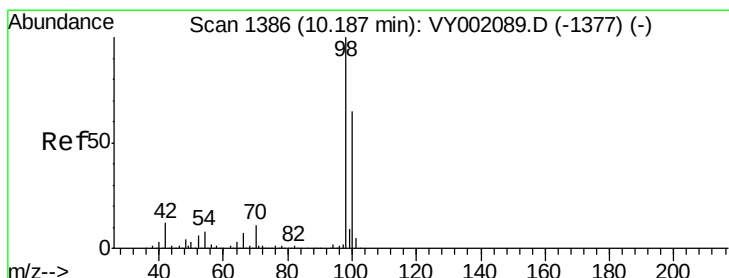
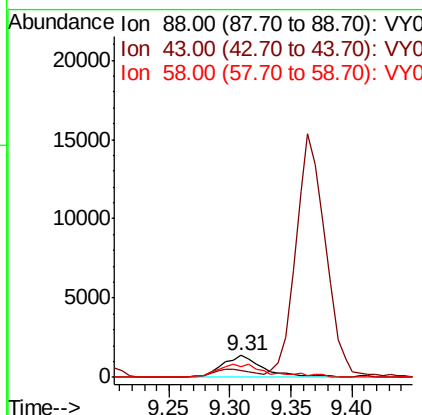
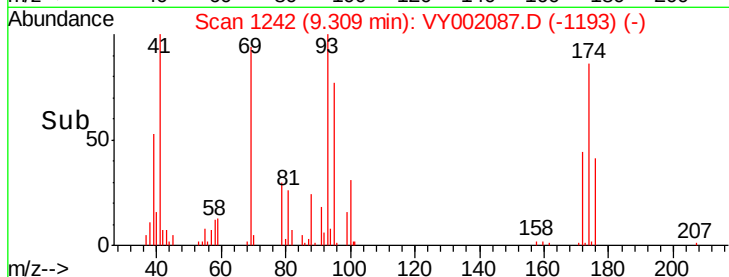
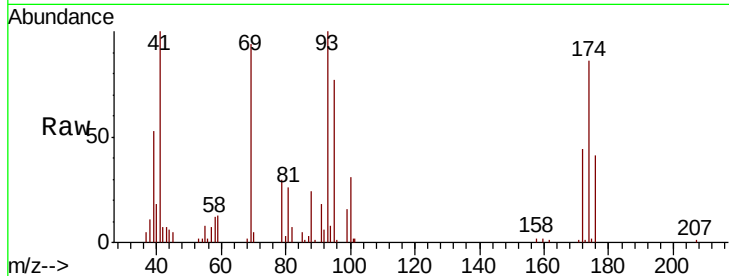
#49
1,4-Dioxane
Concen: 213.064 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	3158
Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.2	40.8
58	75.5	59.8	89.8

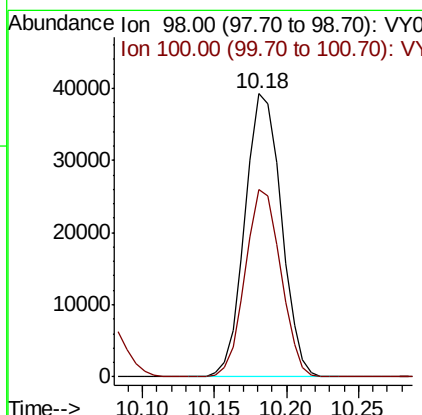
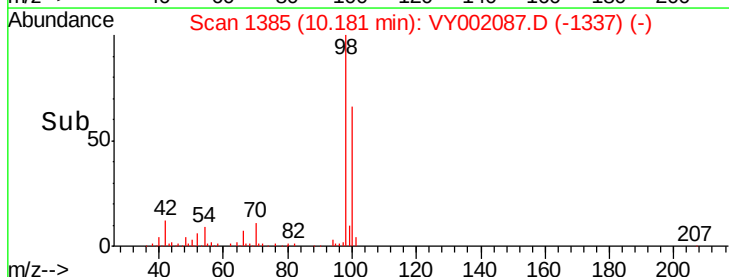
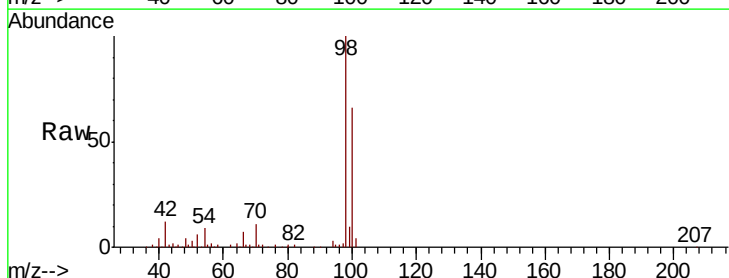
Manual Integrations
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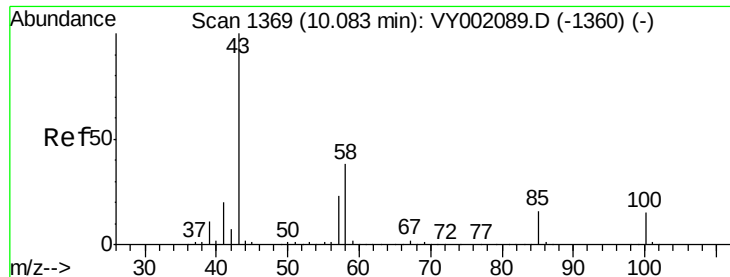
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#50
Toluene-d8
Concen: 10.041 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	98	Resp	68734
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





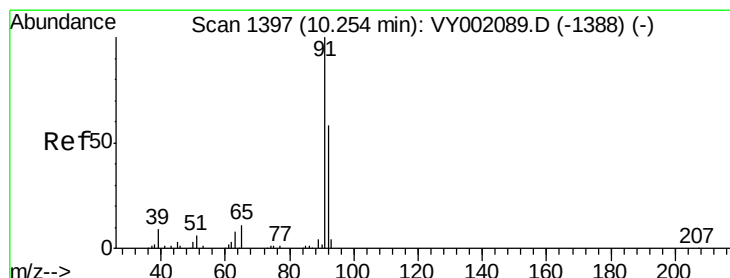
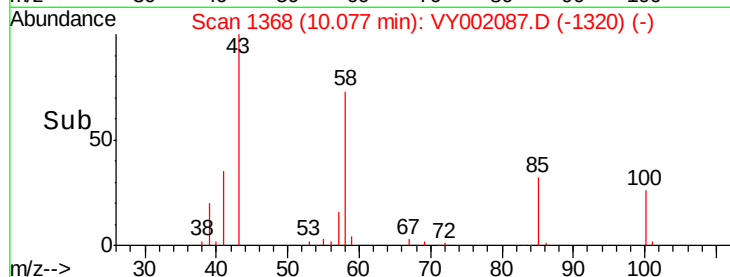
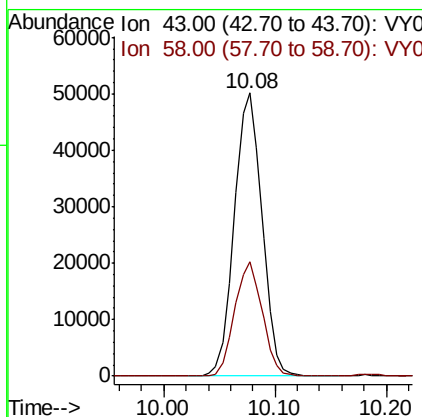
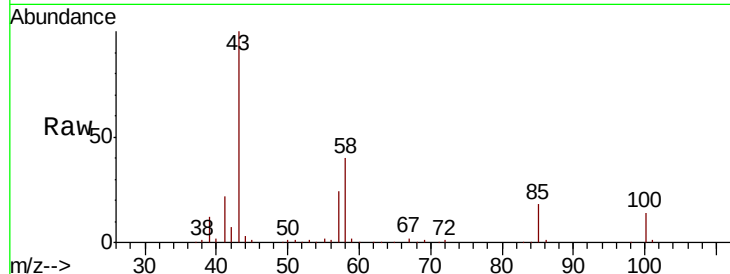
#51
4-Methyl-2-Pentanone
Concen: 54.250 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	43	58	Resp	Lower	Upper
86694	100	40.0		31.6	47.4

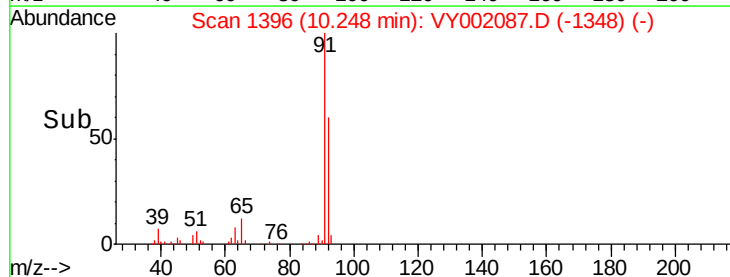
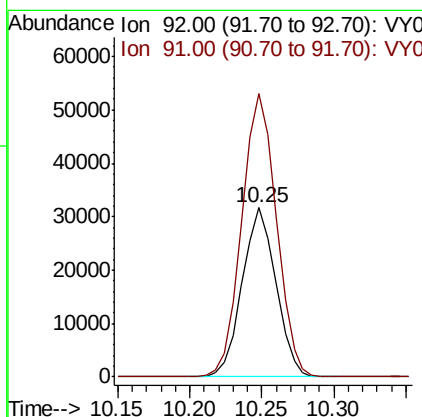
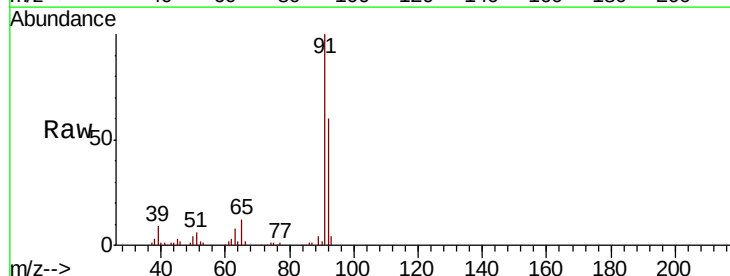
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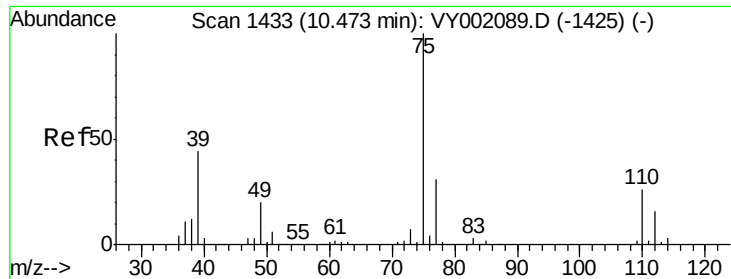
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#52
Toluene
Concen: 10.112 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	92	91	Resp	Lower	Upper
51358	100	171.8		139.3	208.9





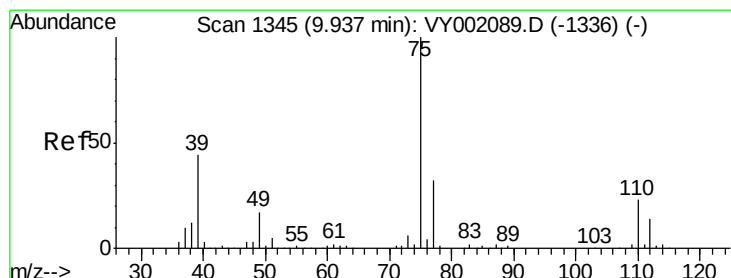
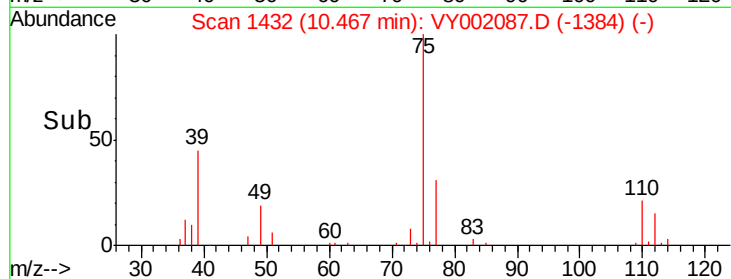
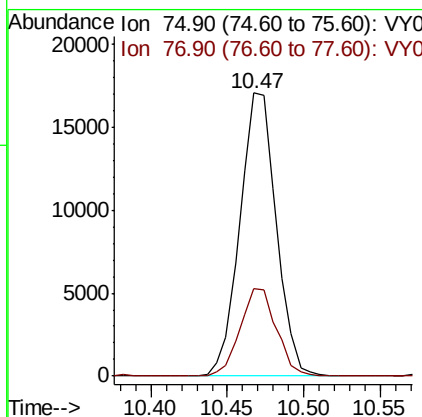
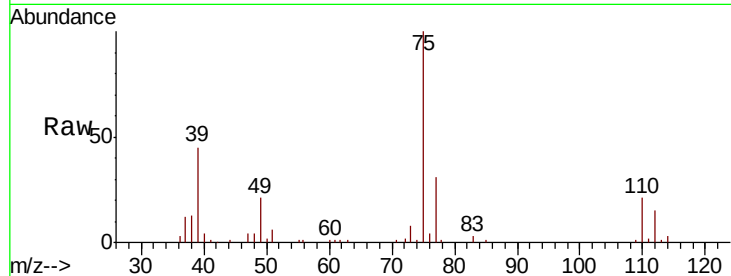
#53
t-1,3-Dichloropropene
Concen: 10.239 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8

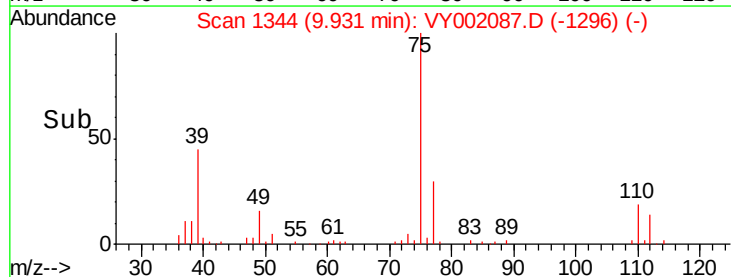
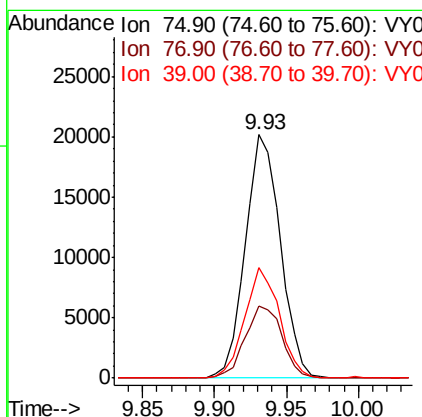
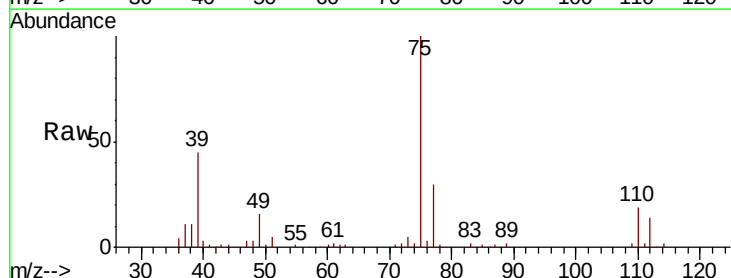
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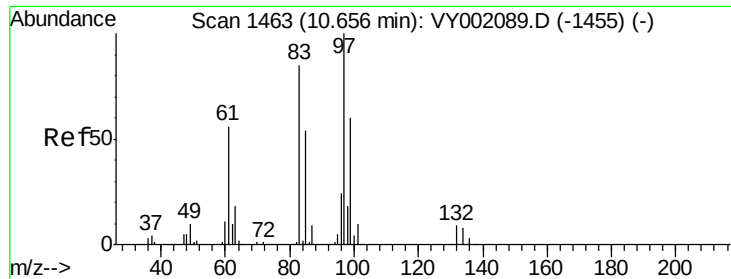
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#54
cis-1,3-Dichloropropene
Concen: 10.331 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.6	38.4
39	45.1	35.2	52.8





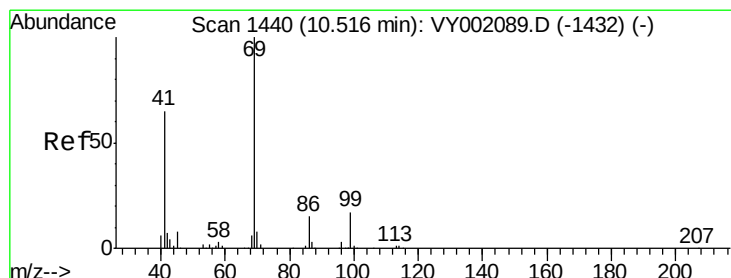
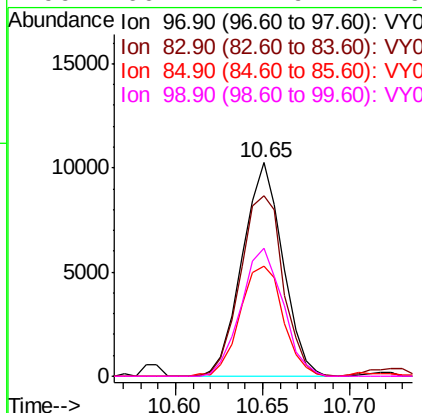
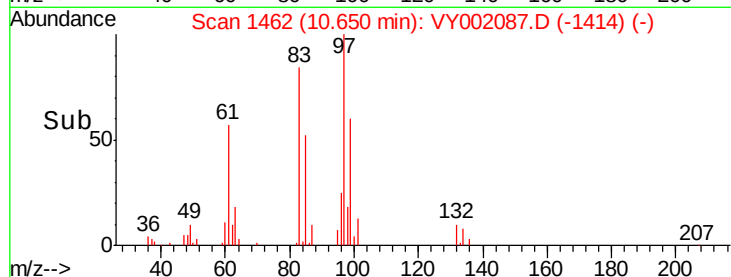
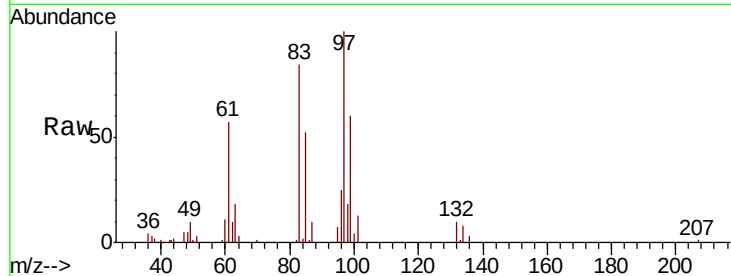
#55
 1,1,2-Trichloroethane
 Concen: 10.353 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.2	102.2
85	51.7	42.9	64.3
99	60.1	47.9	71.9

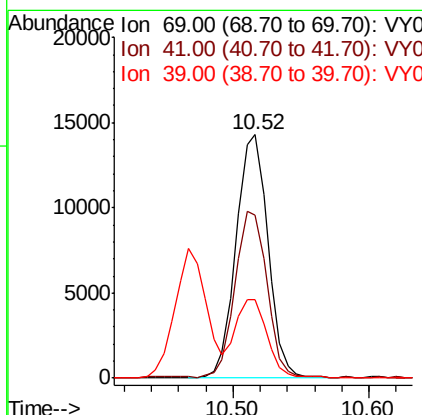
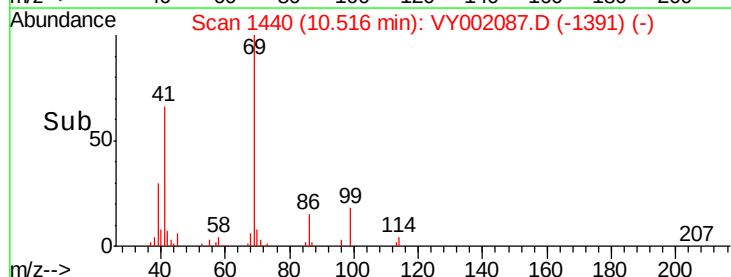
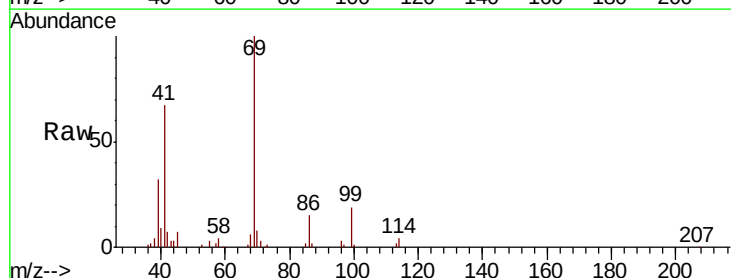
Manual Integrations
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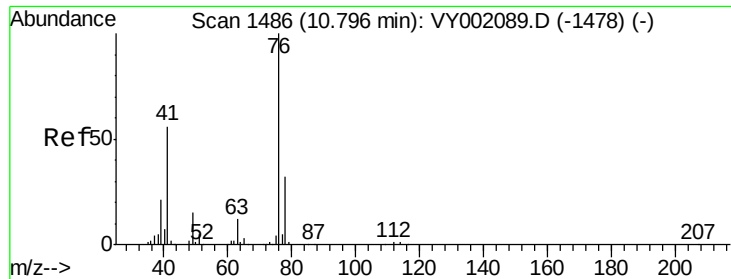
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#56
 Ethyl methacrylate
 Concen: 10.109 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.9	52.8	79.2
39	31.4	25.0	37.6





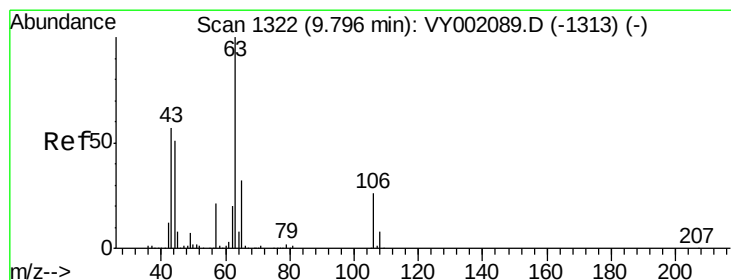
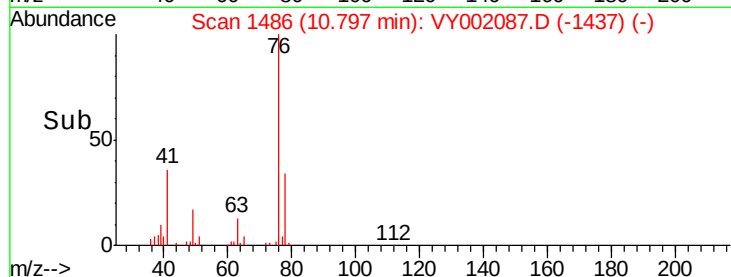
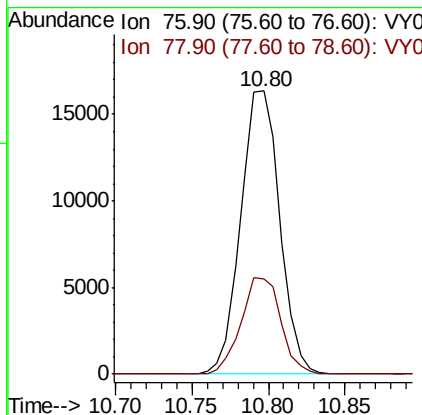
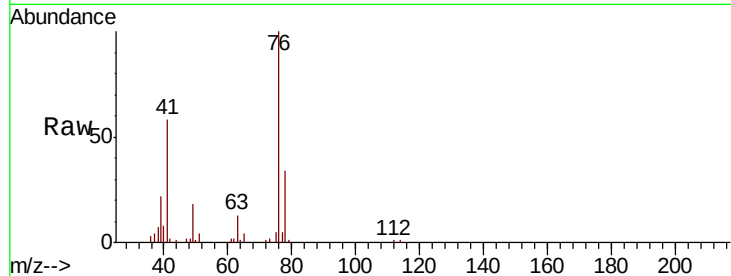
#57
 1,3-Dichloropropane
 Concen: 10.207 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 28940
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.1 39.1

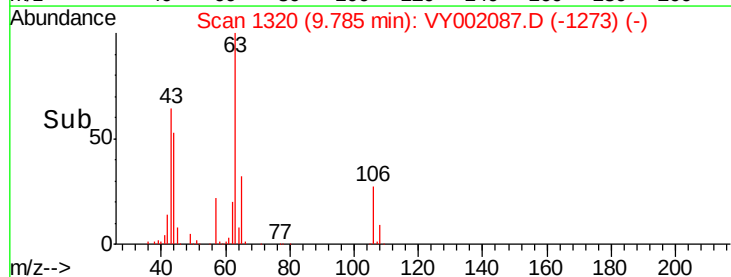
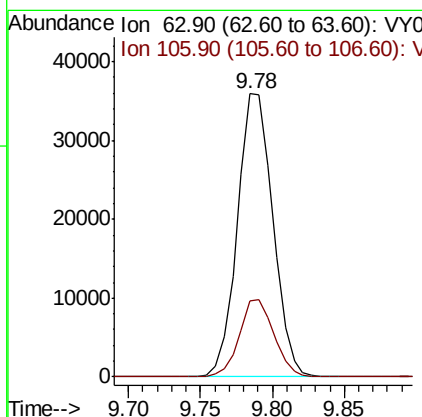
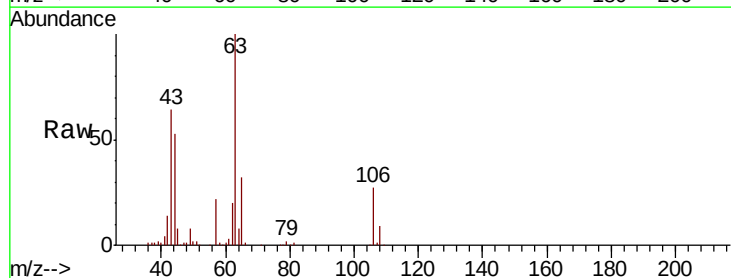
Manual Integrations
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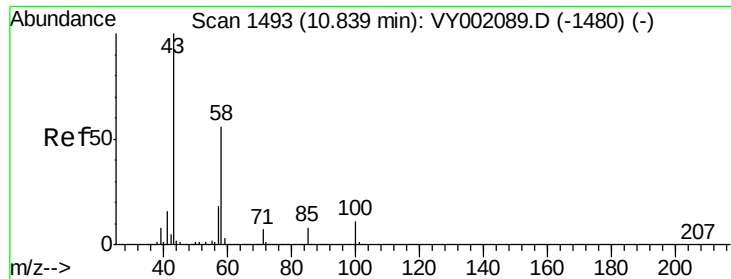
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#58
 2-Chloroethyl Vinyl ether
 Concen: 62.173 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion: 63 Resp: 61405
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.4





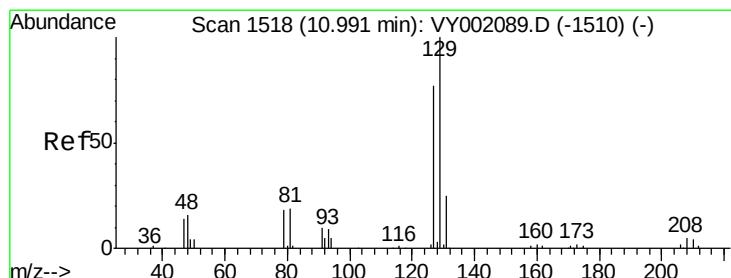
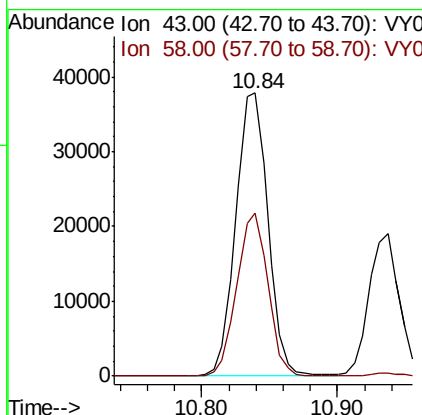
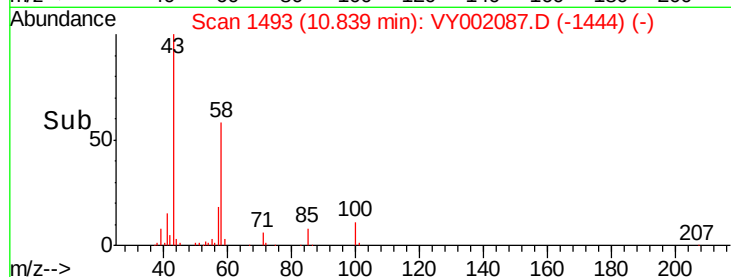
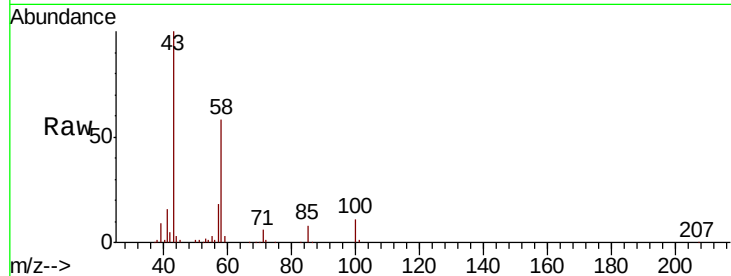
#59
2-Hexanone
Concen: 55.070 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 62654
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6

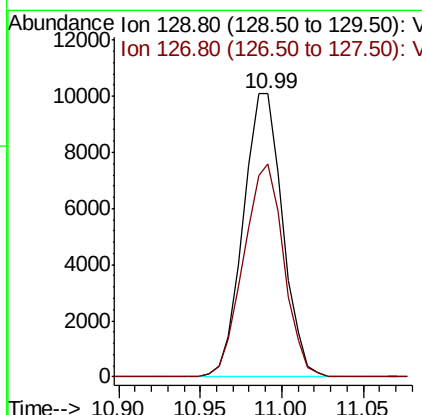
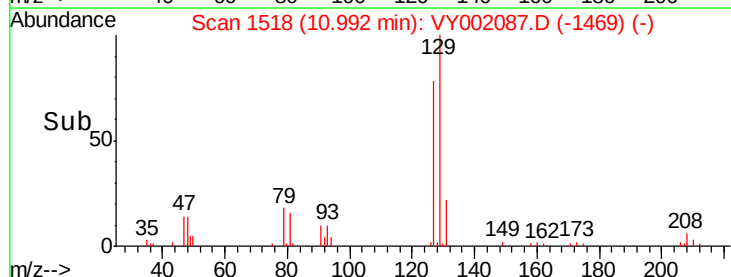
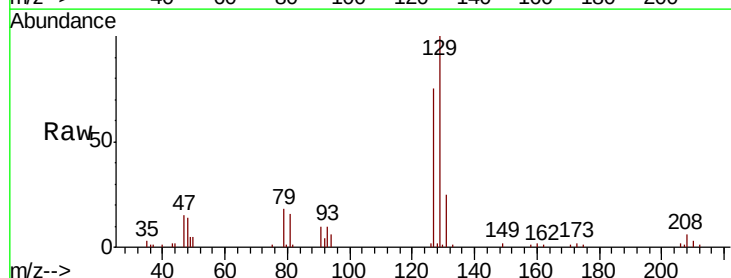
Manual Integrations
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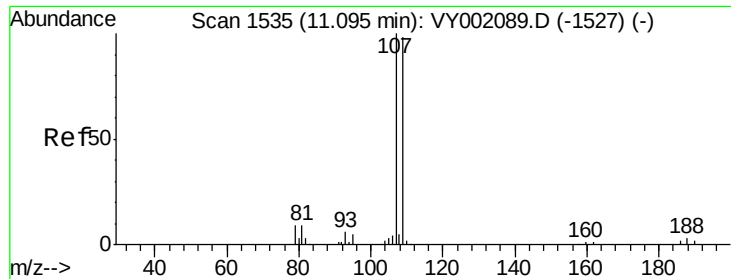
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#60
Dibromochloromethane
Concen: 10.176 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion: 129 Resp: 16996
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1





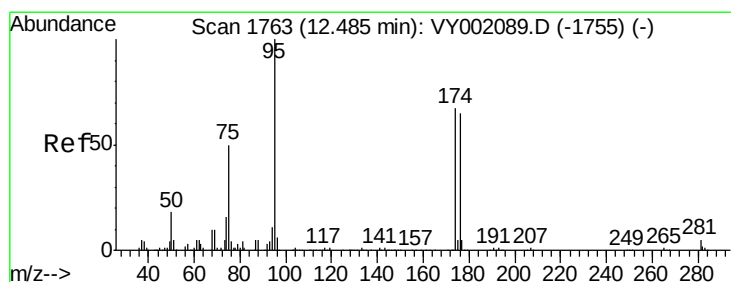
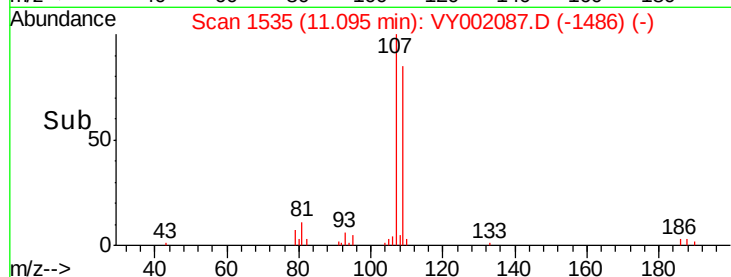
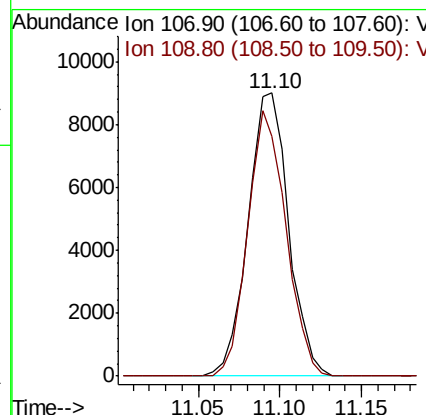
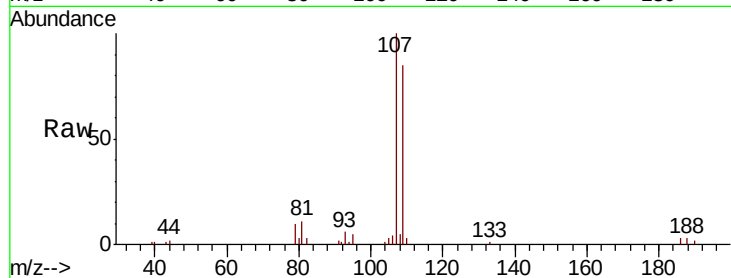
#61
 1,2-Dibromoethane
 Concen: 10.324 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 15532
 Ion Ratio Lower Upper
 107 100
 109 88.5 76.3 114.5

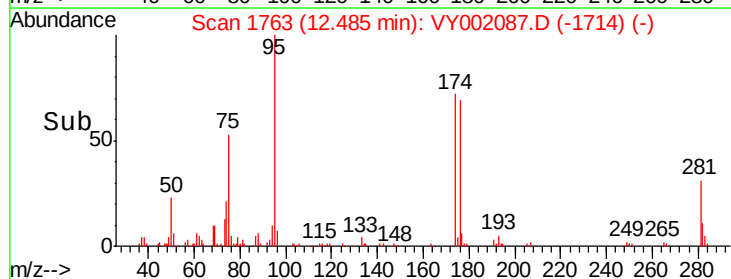
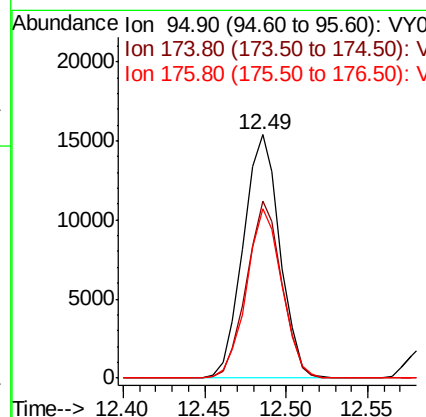
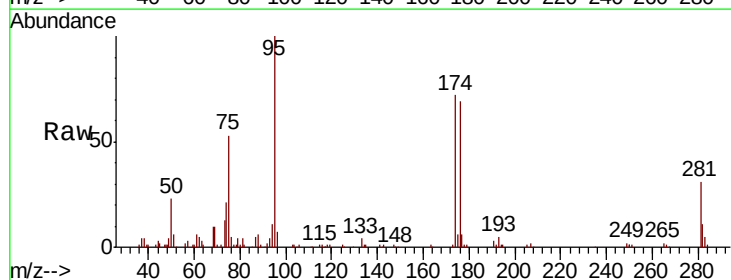
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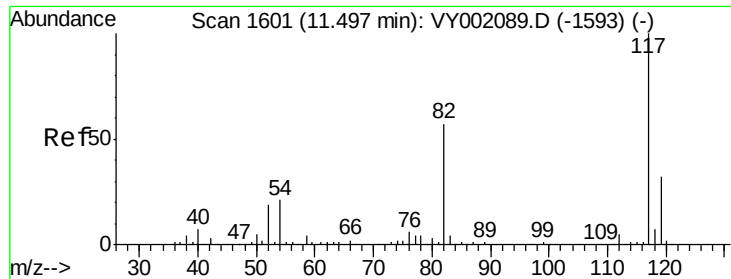
apatel
 3/27/2020 4:13:54 PM



#62
 4-Bromofluorobenzene
 Concen: 10.081 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion: 95 Resp: 24052
 Ion Ratio Lower Upper
 95 100
 174 69.9 0.0 143.4
 176 67.1 0.0 137.0





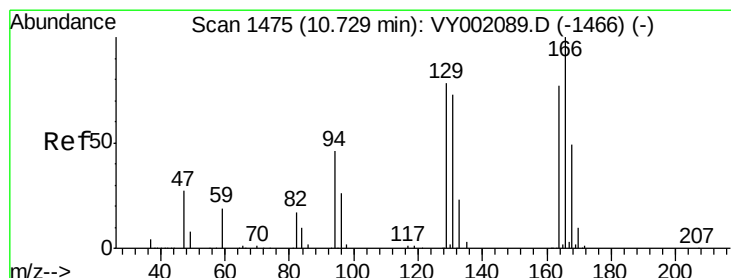
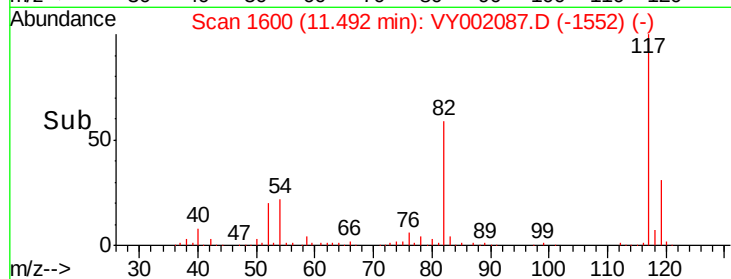
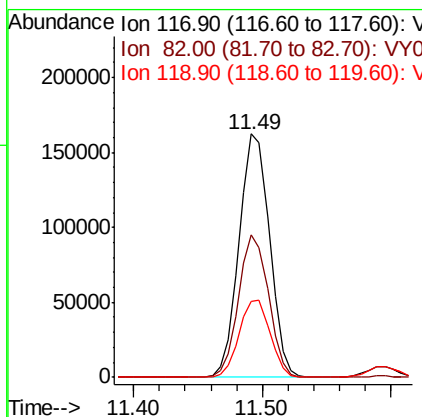
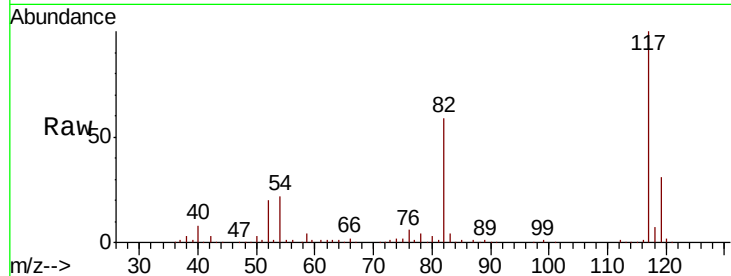
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.4	68.2
119	31.1	25.3	37.9

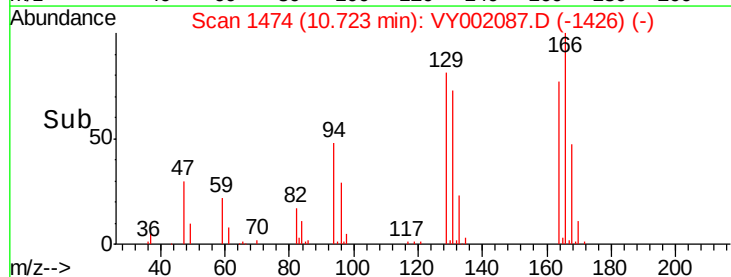
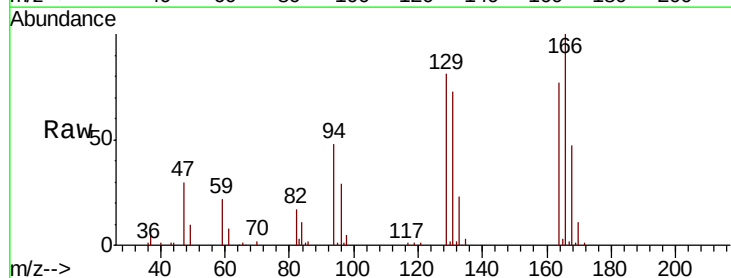
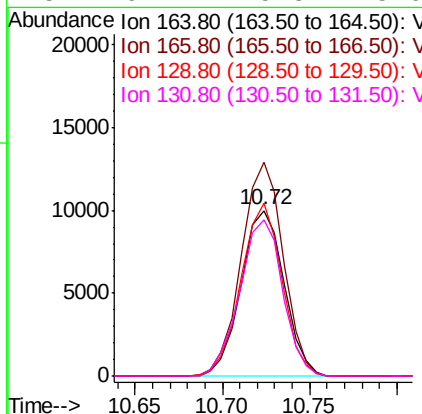
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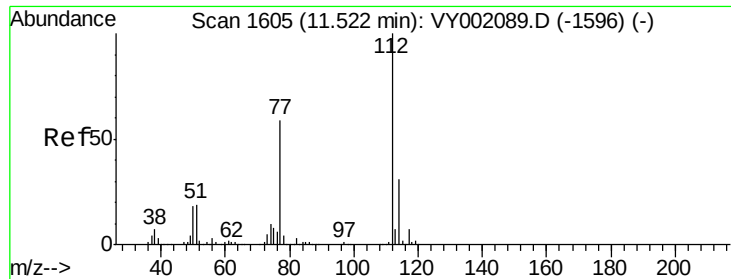
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#64
Tetrachloroethene
Concen: 10.247 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	104.0	156.0
129	104.8	81.2	121.8
131	94.7	75.8	113.6





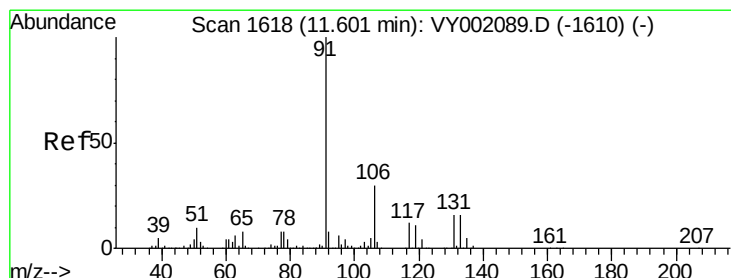
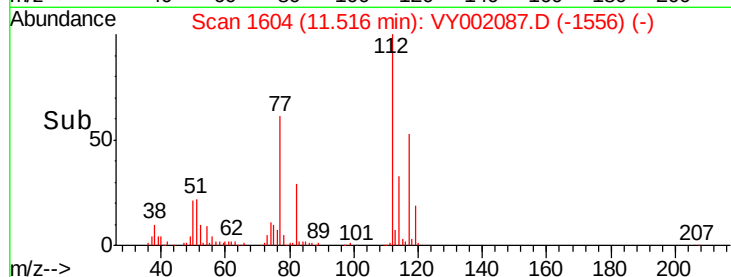
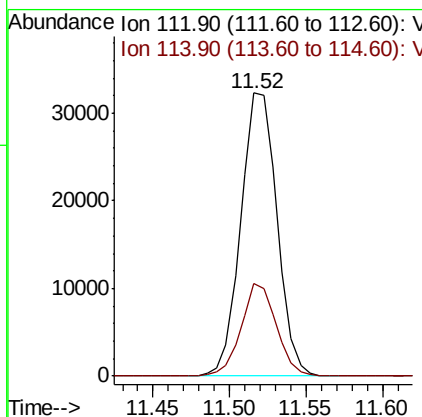
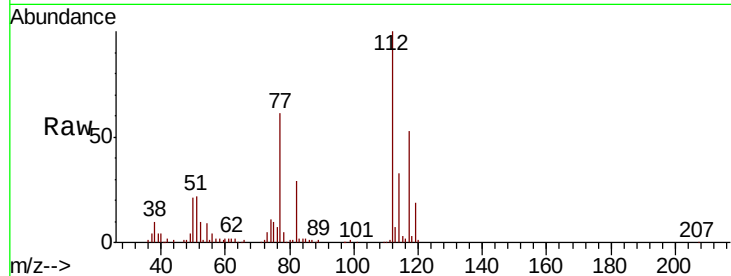
#65
Chlorobenzene
Concen: 10.126 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 53179
Ion Ratio Lower Upper
112 100
114 32.8 24.9 37.3

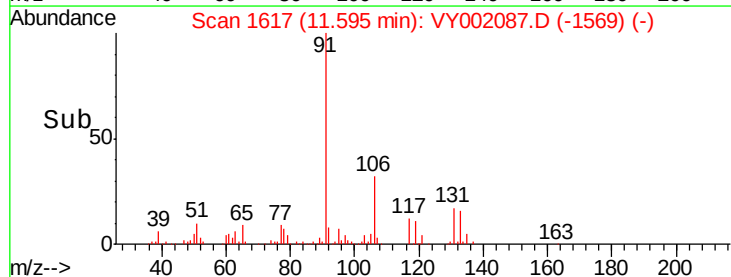
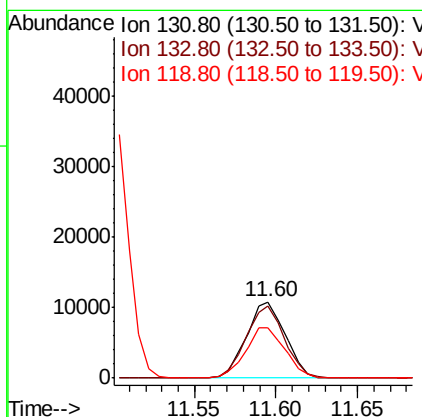
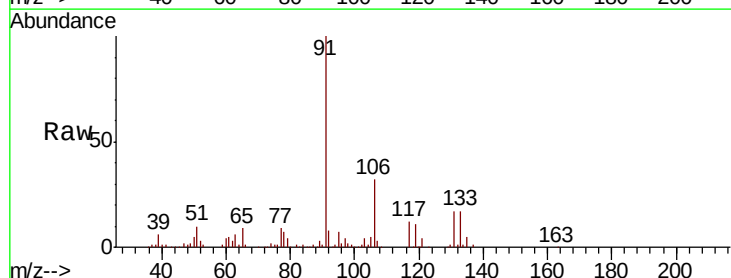
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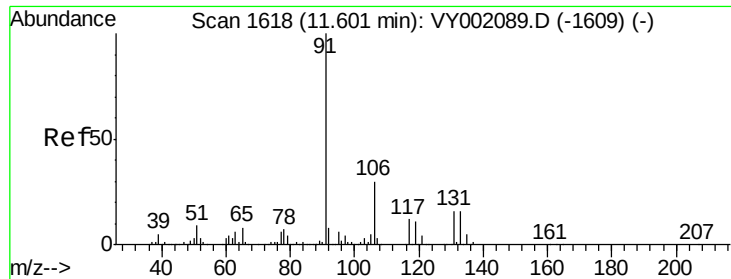
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.434 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion:131 Resp: 17999
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.5
119 67.1 34.6 103.9





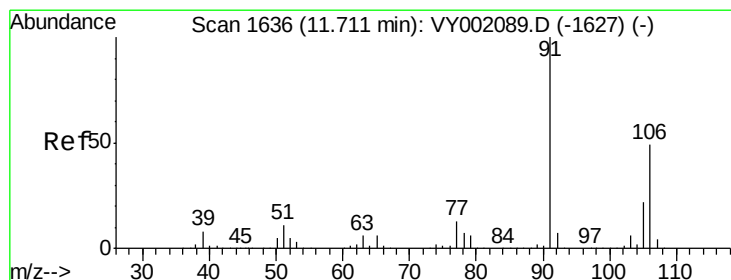
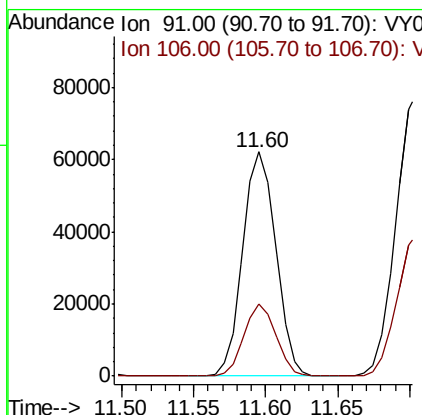
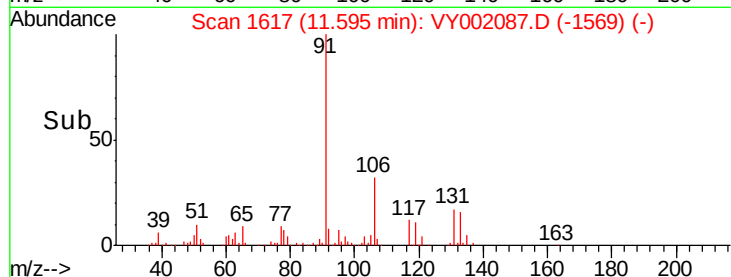
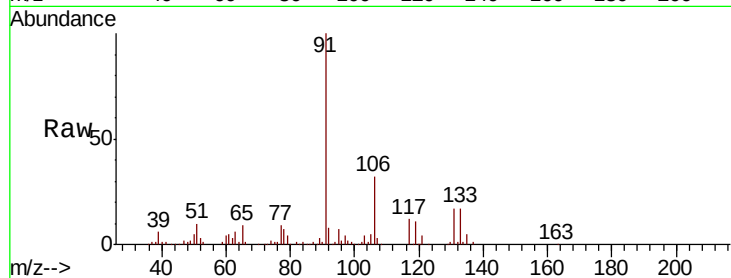
#67
Ethyl Benzene
Concen: 10.095 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 99040
Ion Ratio Lower Upper
91 100
106 32.3 24.1 36.1

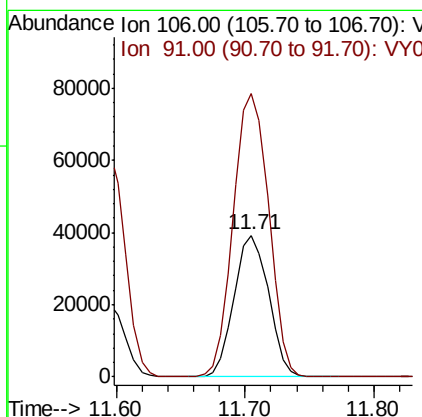
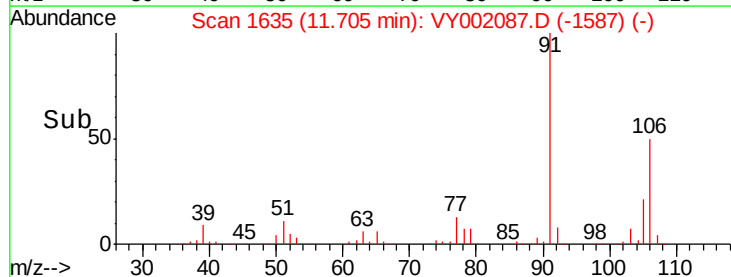
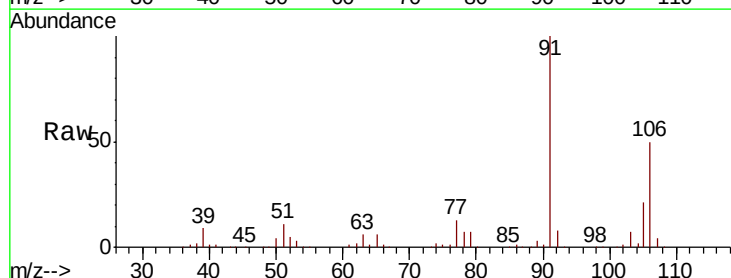
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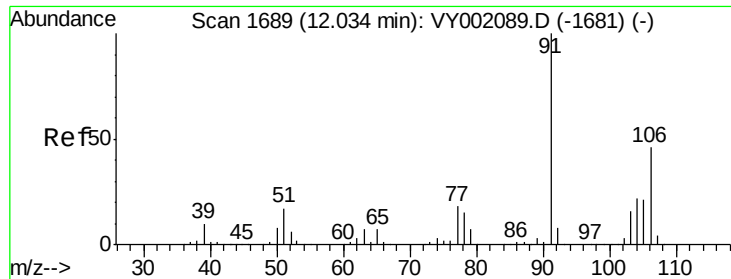
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#68
m/p-Xylenes
Concen: 20.118 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion: 106 Resp: 72842
Ion Ratio Lower Upper
106 100
91 206.2 162.8 244.2





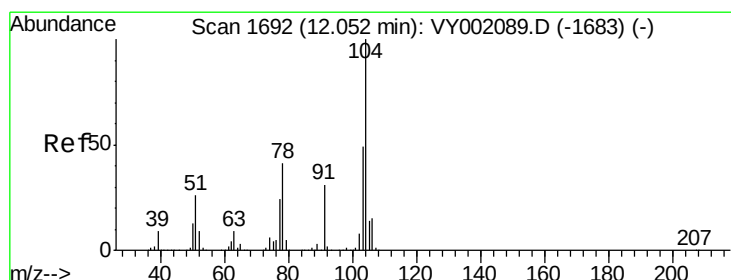
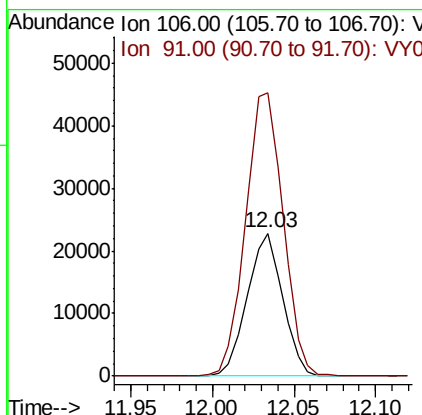
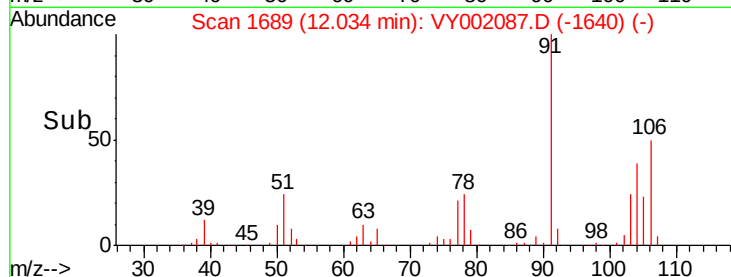
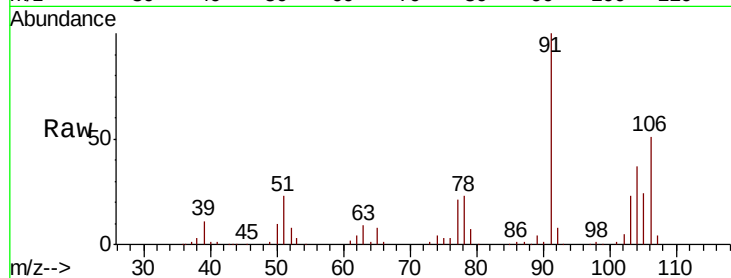
#69
o-Xylene
Concen: 10.151 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 34676
Ion Ratio Lower Upper
106 100
91 209.4 107.3 321.8

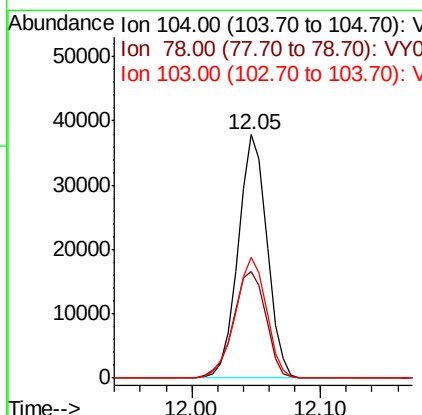
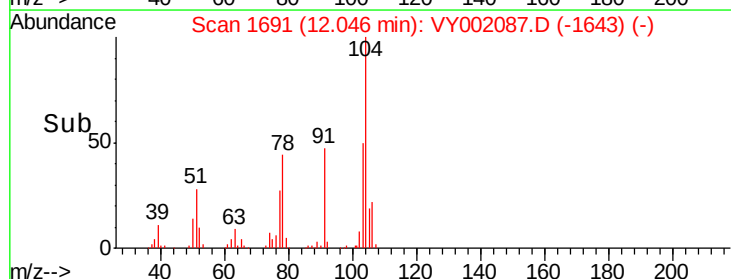
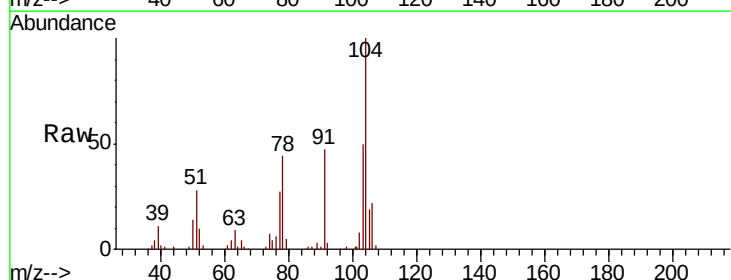
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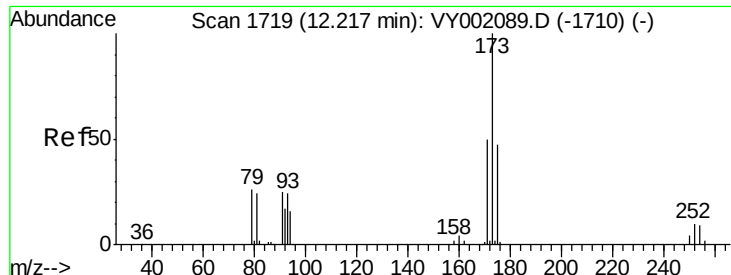
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#70
Styrene
Concen: 10.026 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion:104 Resp: 58698
Ion Ratio Lower Upper
104 100
78 49.4 37.9 56.9
103 53.7 43.2 64.8





#71

Bromoform

Concen: 9.928 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 9272

Ion Ratio Lower Upper

173 100

175 52.0 23.9 71.8

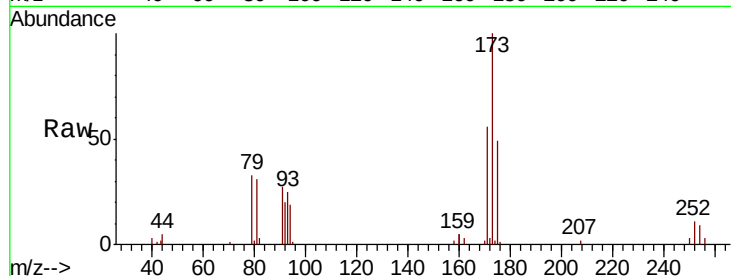
254 0.0 0.0 0.0

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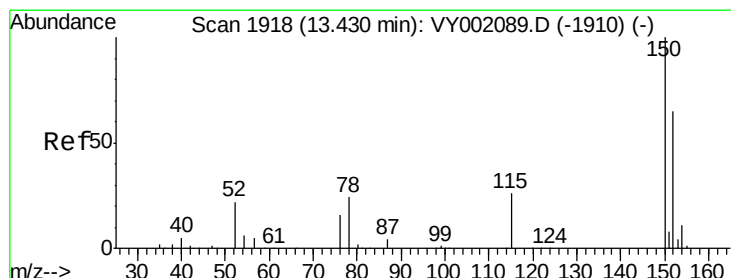
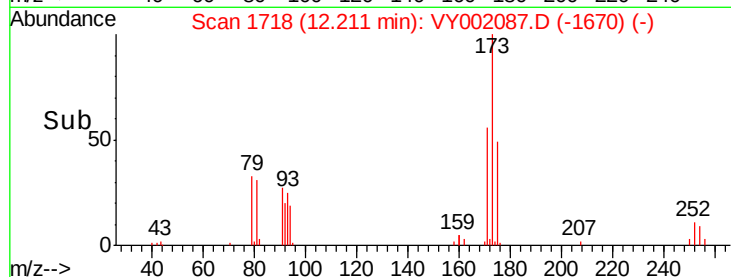
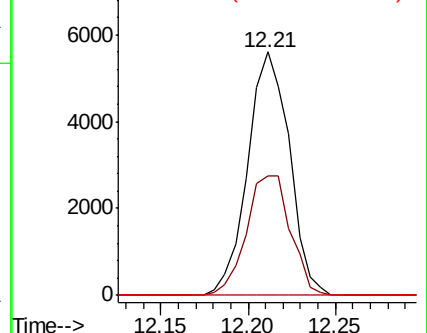
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY002087.D

Acq: 26 Mar 2020 15:48

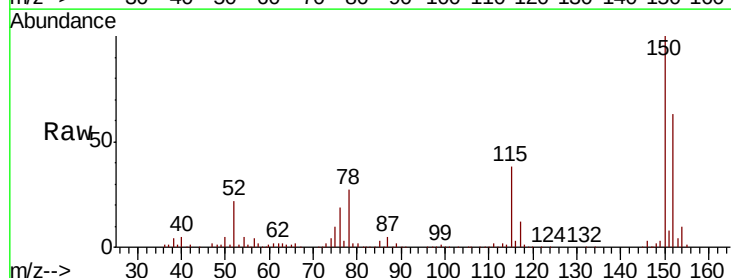
Tgt Ion:152 Resp: 123102

Ion Ratio Lower Upper

152 100

115 62.4 31.2 93.6

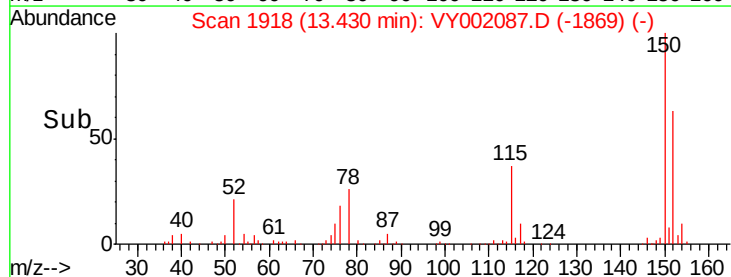
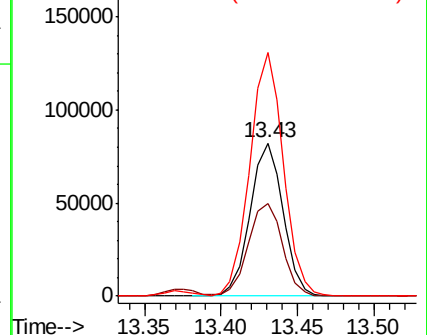
150 161.7 0.0 354.8

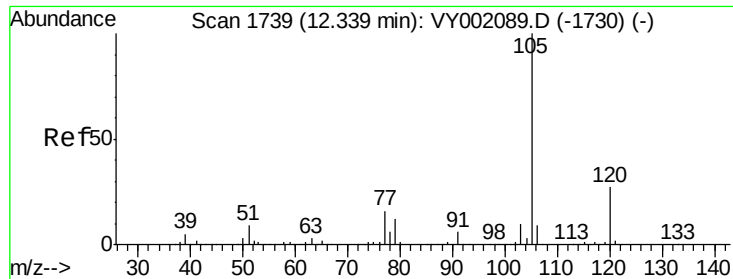


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.884 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 92607

Ion Ratio Lower Upper

105 100

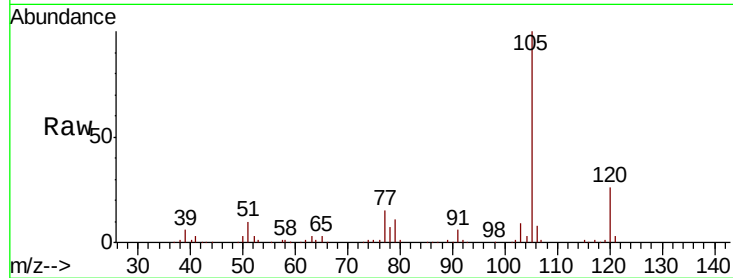
120 26.2 13.3 39.8

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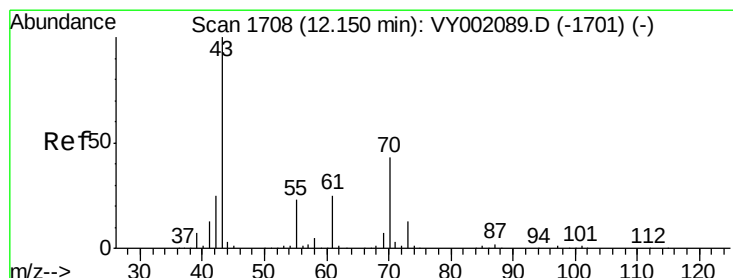
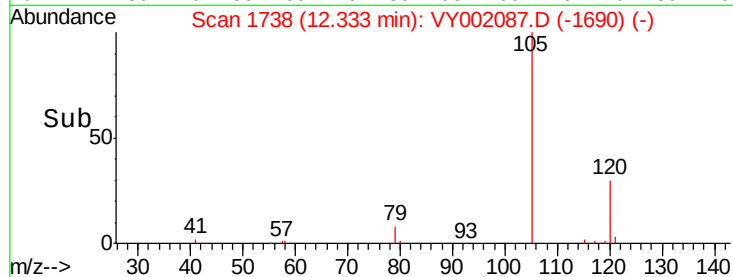
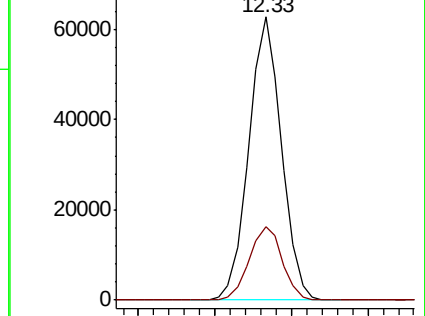
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.589 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Tgt Ion: 43 Resp: 30470

Ion Ratio Lower Upper

43 100

70 43.7 35.0 52.4

55 23.9 18.7 28.1

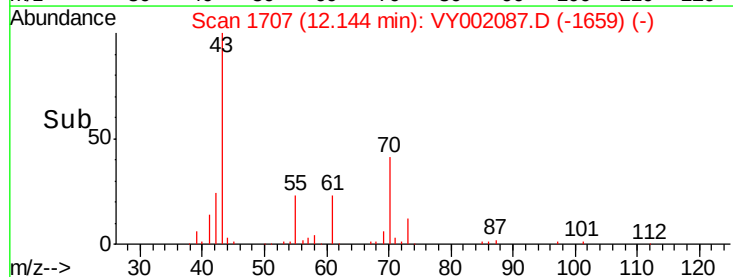
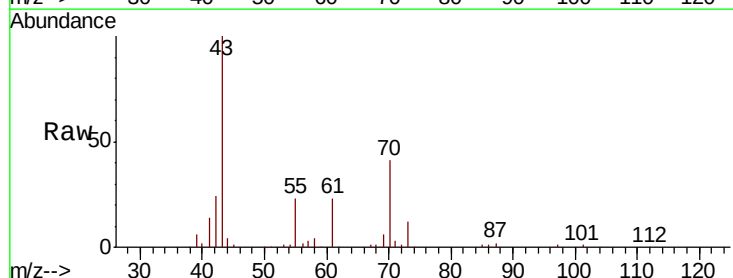
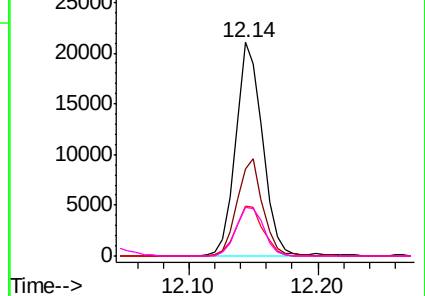
61 23.4 20.2 30.2

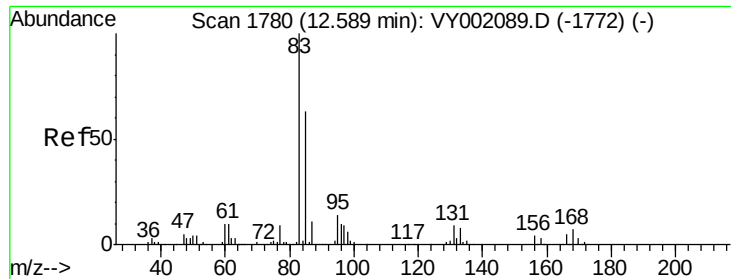
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.249 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 20648

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

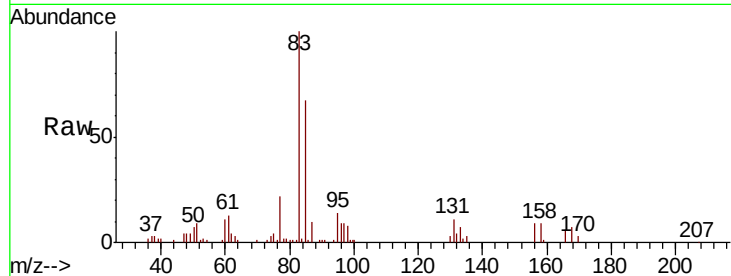
85 66.5 32.4 97.0

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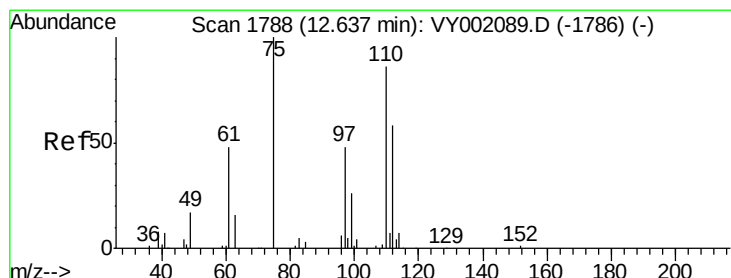
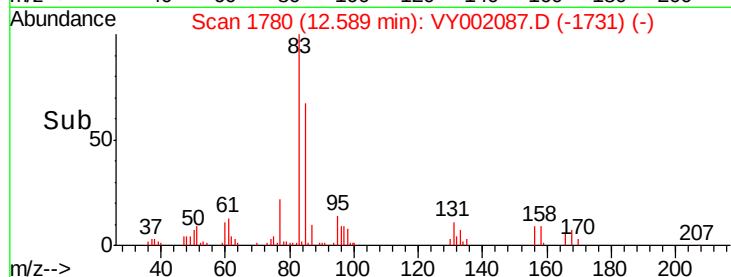
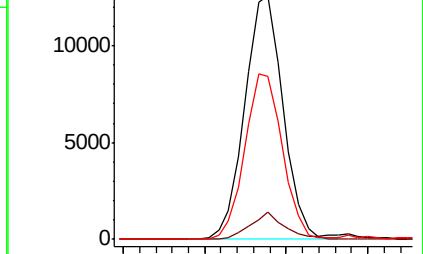
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Abundance Ion 82.90 (82.60 to 83.60): VY002087.D (-1772) (-)

Ion 130.80 (130.50 to 131.50): VY002087.D (-1772) (-)

Ion 84.90 (84.60 to 85.60): VY002087.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 9.512 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY002087.D

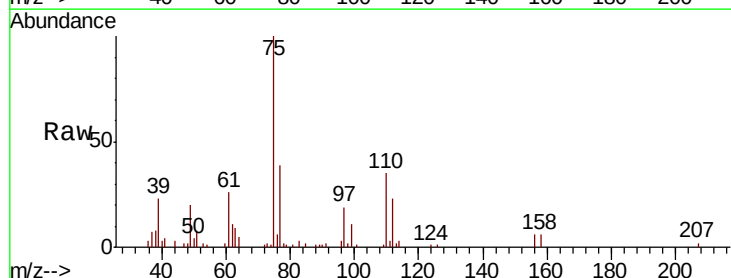
Acq: 26 Mar 2020 15:48

Tgt Ion: 75 Resp: 14036

Ion Ratio Lower Upper

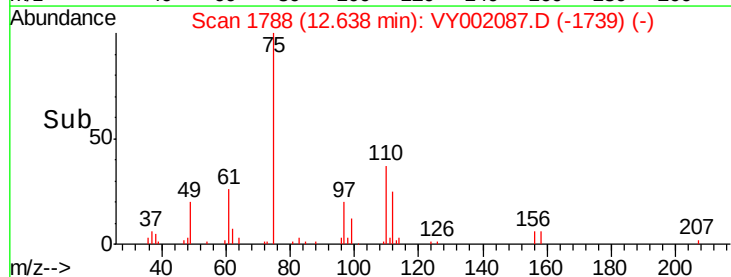
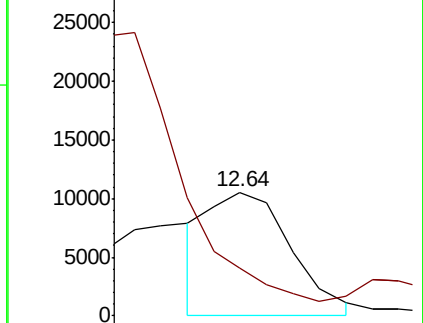
75 100

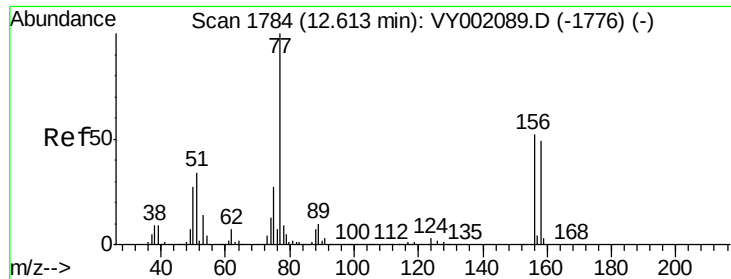
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002087.D (-1786) (-)

Ion 77.00 (76.70 to 77.70): VY002087.D (-1786) (-)





#77

Bromobenzene

Concen: 10.211 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 20350

Ion Ratio Lower Upper

156 100

77 212.4 107.8 323.6

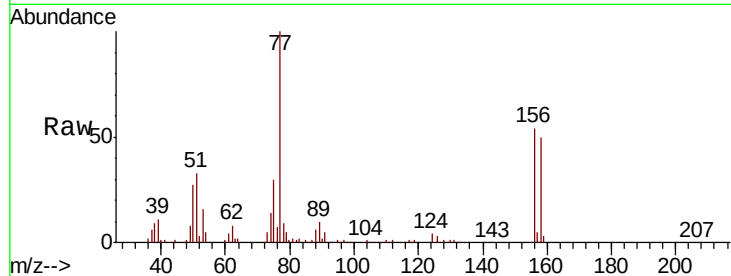
158 95.7 47.5 142.6

Manual Integrations

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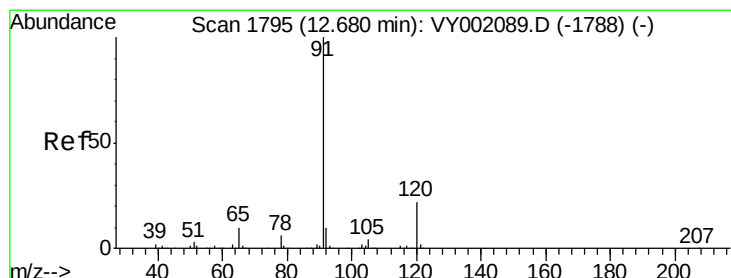
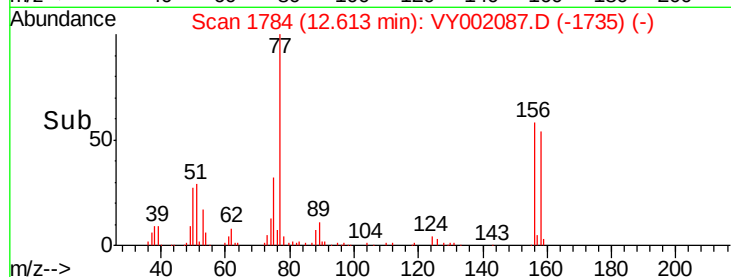
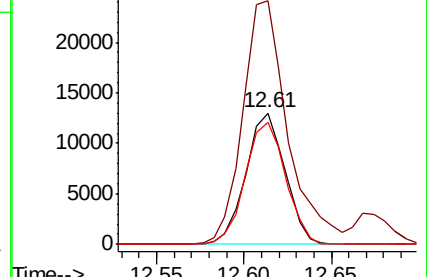
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.022 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002087.D

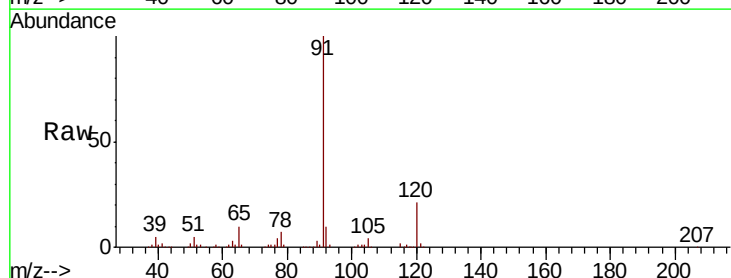
Acq: 26 Mar 2020 15:48

Tgt Ion: 91 Resp: 115976

Ion Ratio Lower Upper

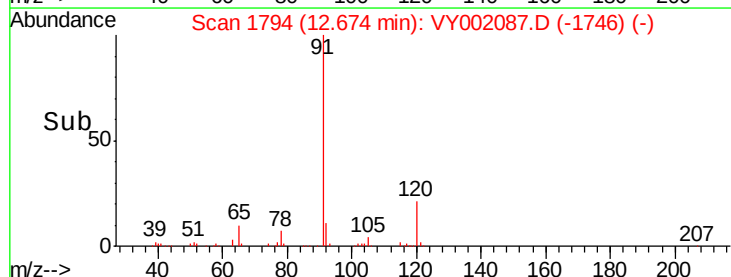
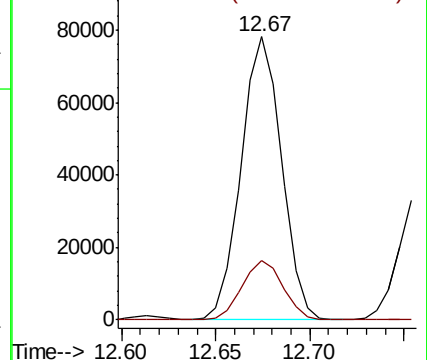
91 100

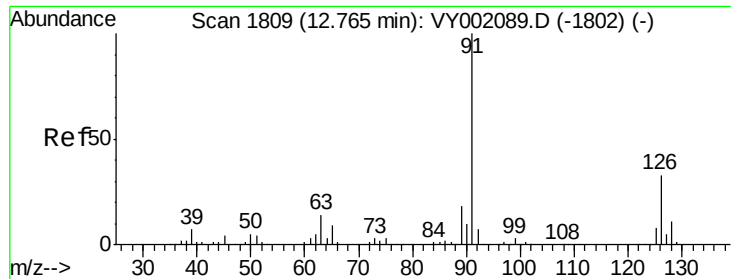
120 21.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





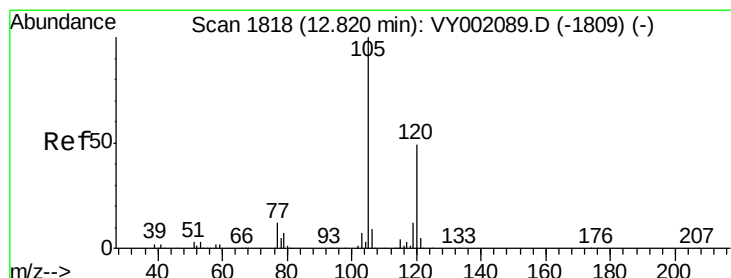
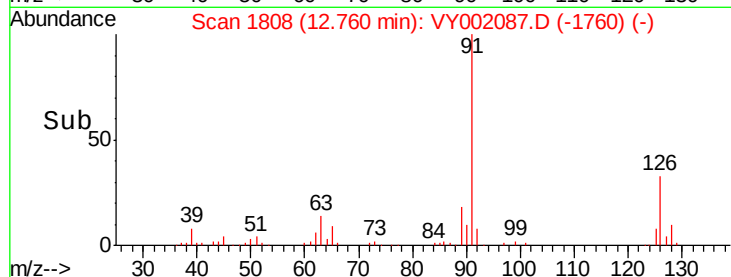
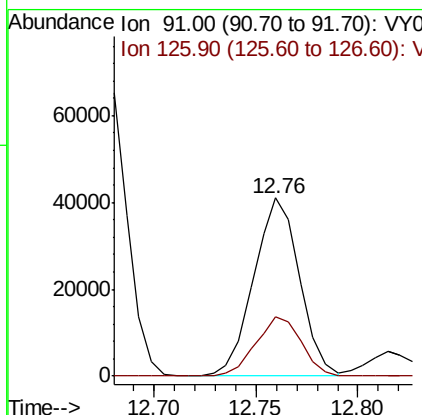
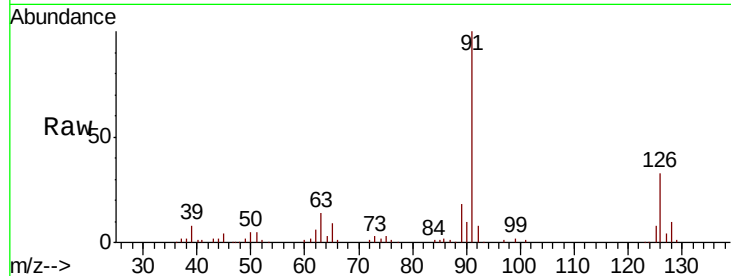
#79
 2-Chlorotoluene
 Concen: 9.998 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 63898
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.4 49.1

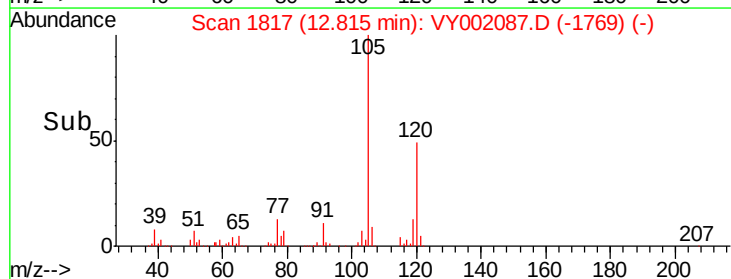
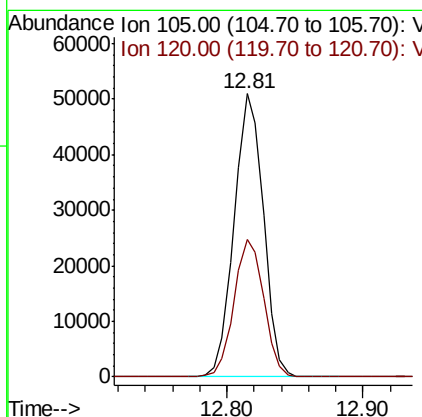
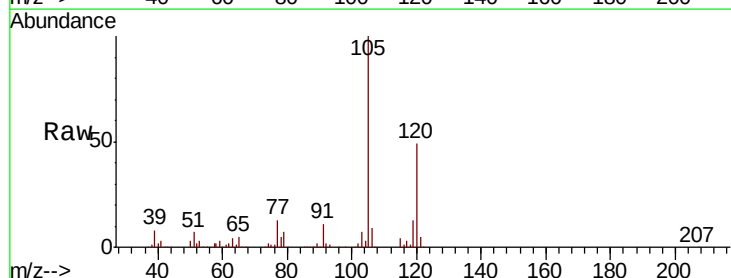
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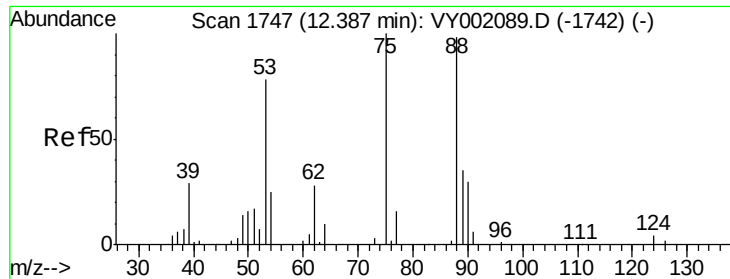
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.873 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion: 105 Resp: 76346
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 9.795 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

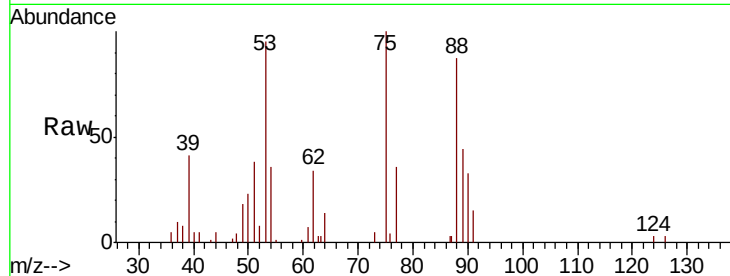
ClientSampleId :

VSTDIC010

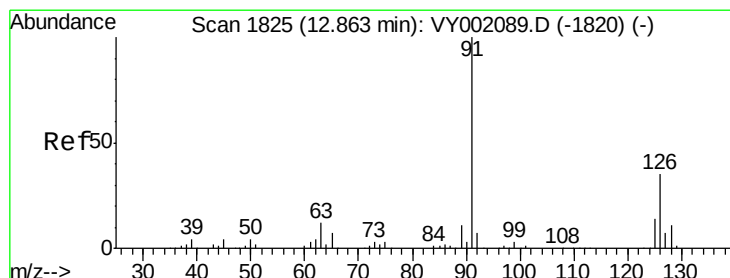
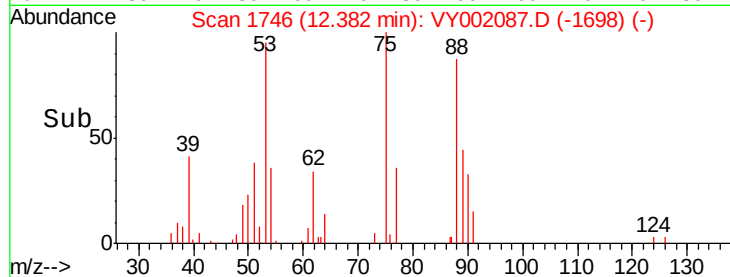
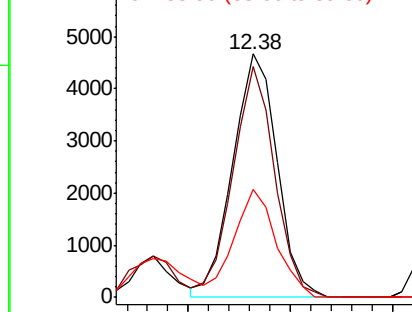
Tot Ion:	75	Resp:	7046
Ion	Ratio	Lower	Upper
75	100		
53	89.7	65.0	97.4
89	42.1	33.4	50.0

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Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 10.005 ug/l

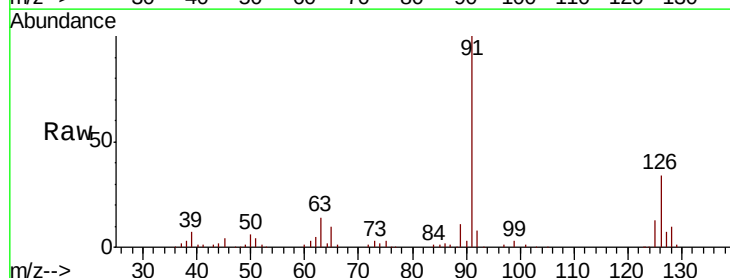
RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

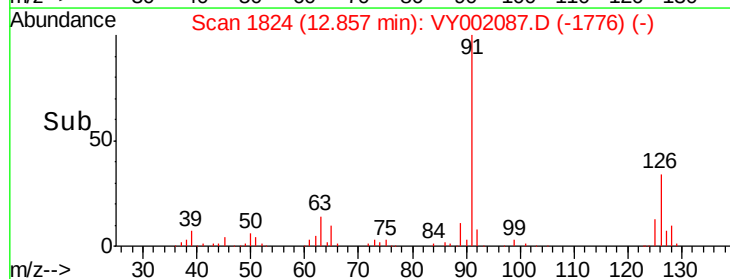
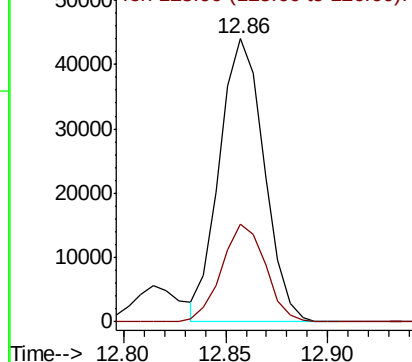
Lab File: VY002087.D

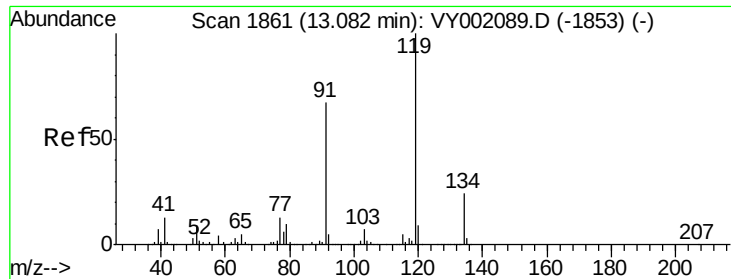
Acq: 26 Mar 2020 15:48

Tgt Ion:	91	Resp:	66670
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.3	48.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





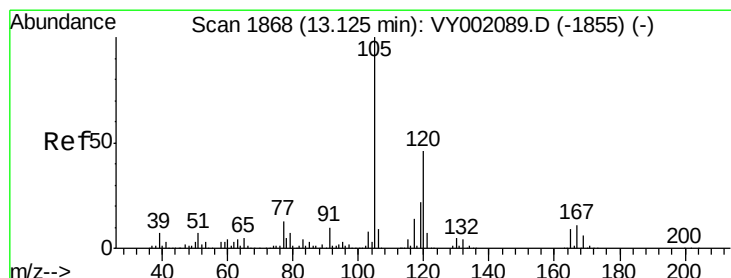
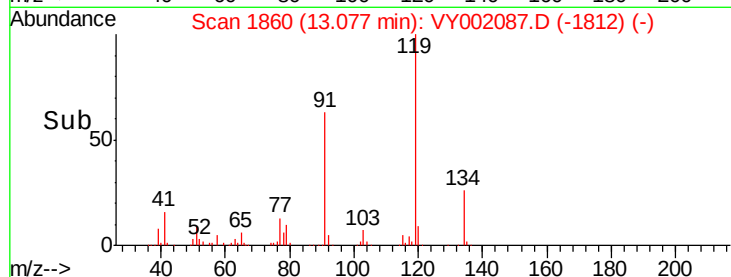
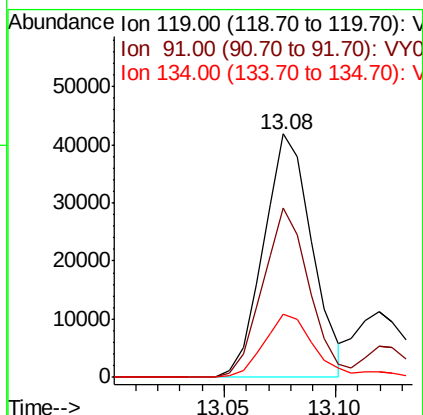
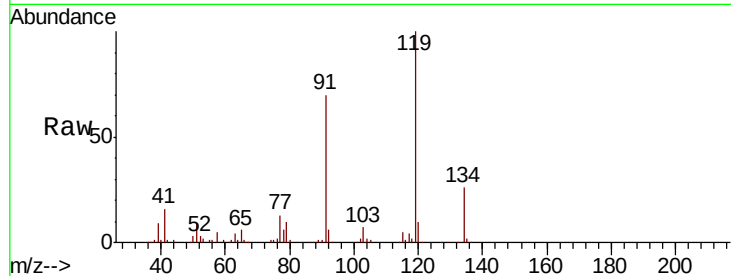
#83
tert-Butylbenzene
Concen: 9.811 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	28.0	13.0	38.9

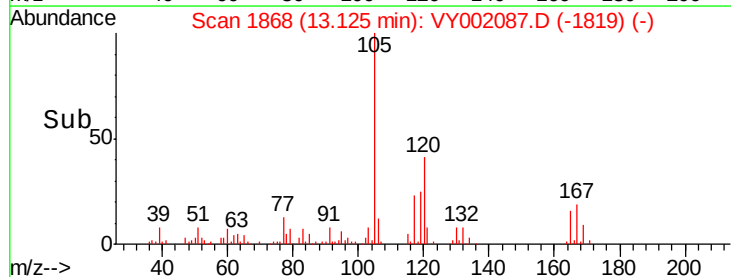
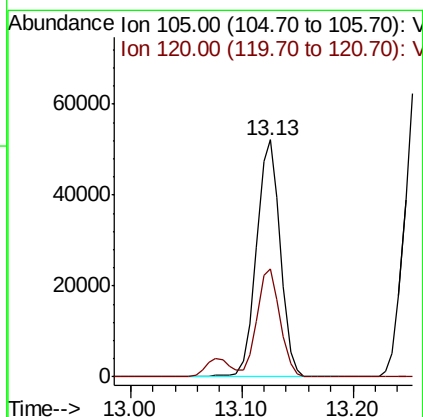
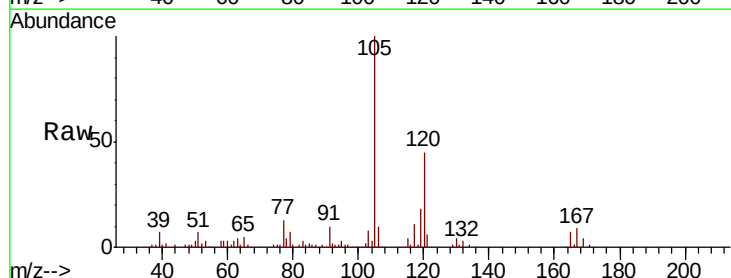
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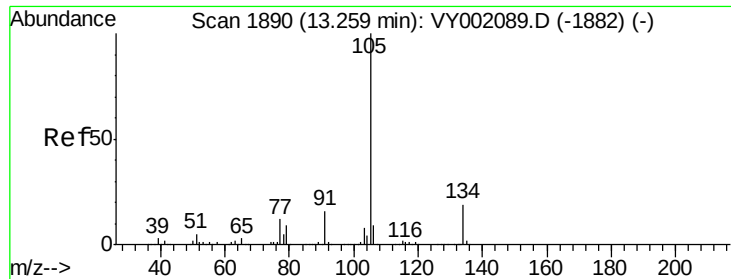
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#84
1,2,4-Trimethylbenzene
Concen: 10.114 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.9	68.5





#85

sec-Butylbenzene

Concen: 10.321 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 97747

Ion Ratio Lower Upper

105 100

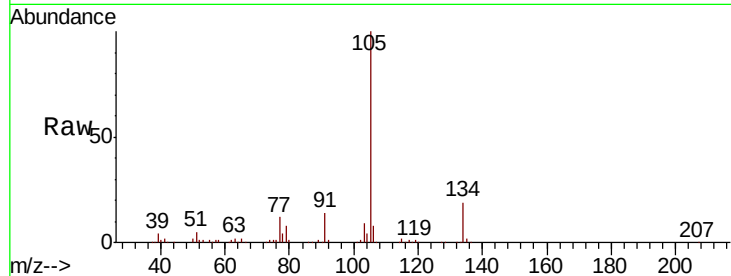
134 19.0 9.7 29.1

Manual Integrations

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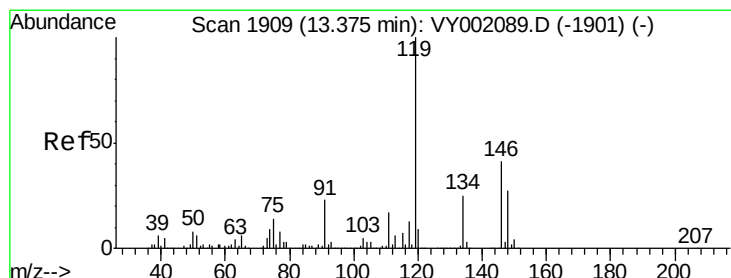
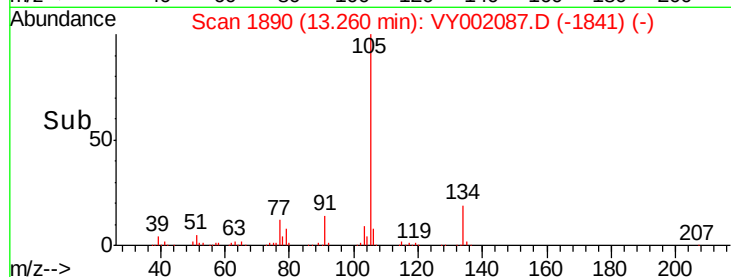
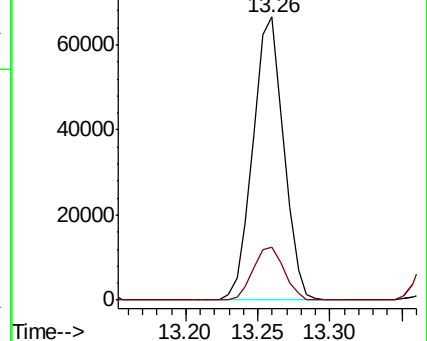
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.347 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002087.D

Acq: 26 Mar 2020 15:48

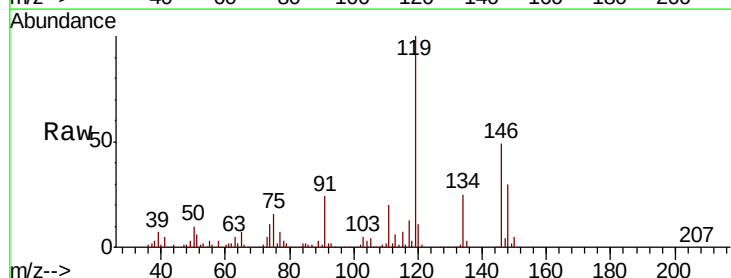
Tgt Ion:119 Resp: 84569

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

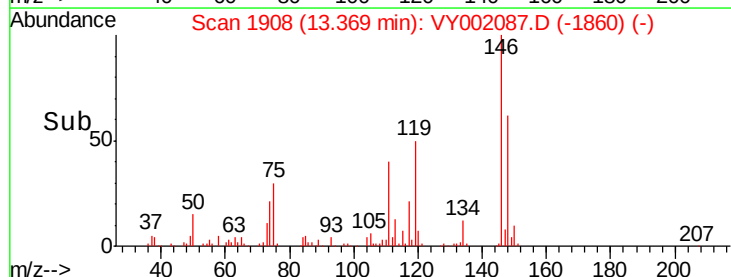
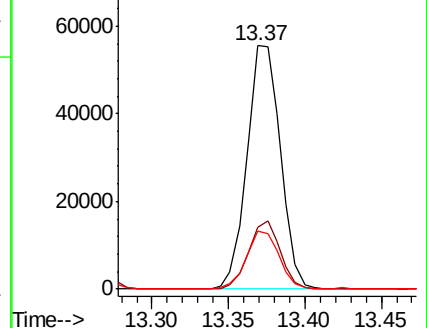
91 23.2 11.8 35.3

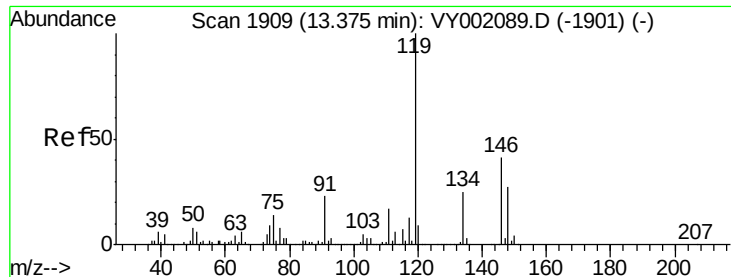


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





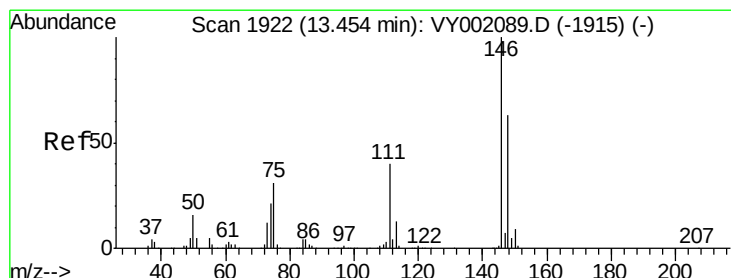
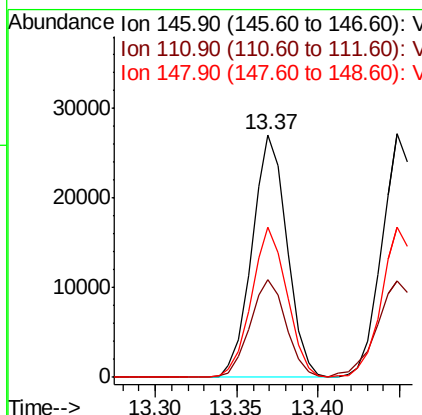
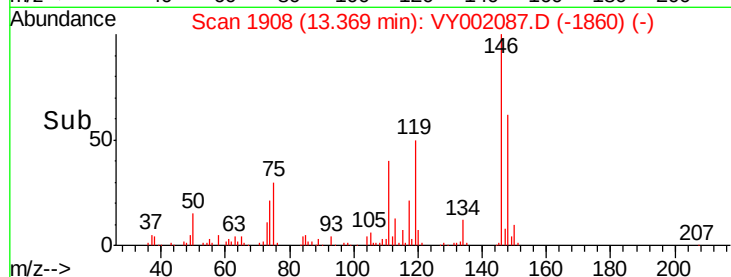
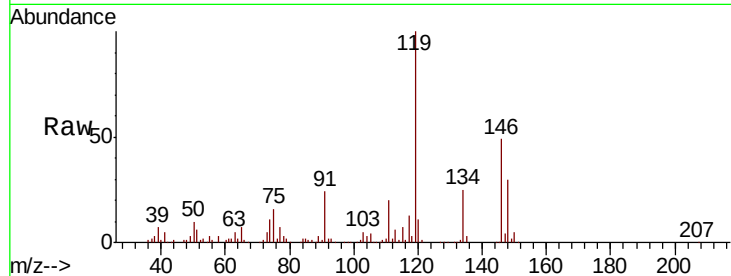
#87
 1,3-Dichlorobenzene
 Concen: 10.353 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	62.4	32.1	96.5

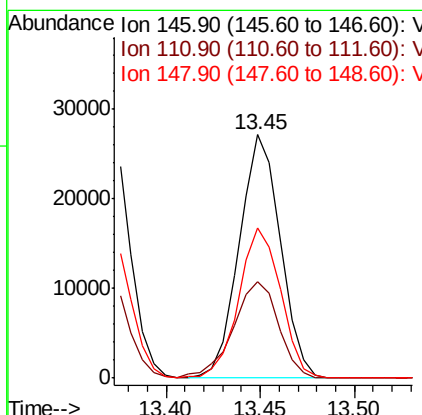
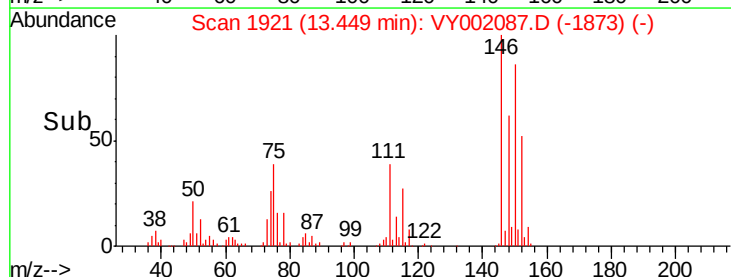
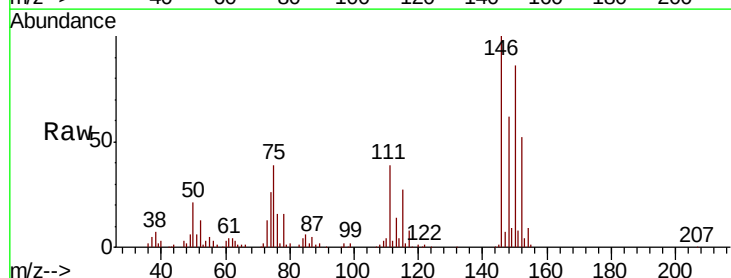
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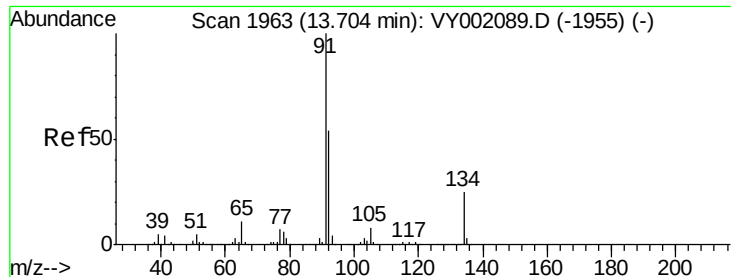
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#88
 1,4-Dichlorobenzene
 Concen: 10.429 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.3	60.9
148	62.8	31.5	94.5





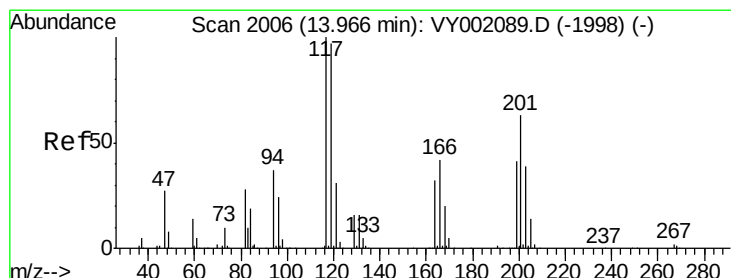
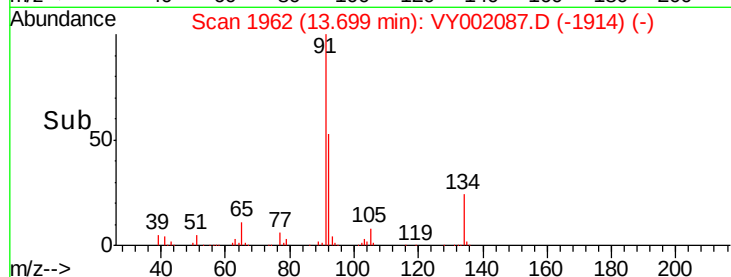
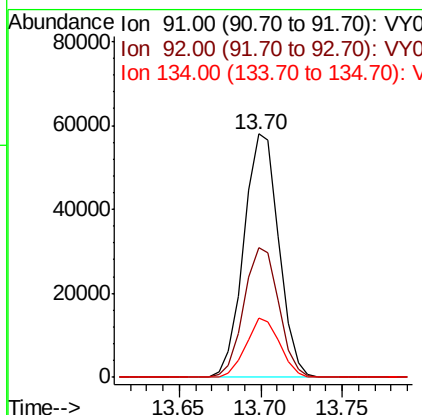
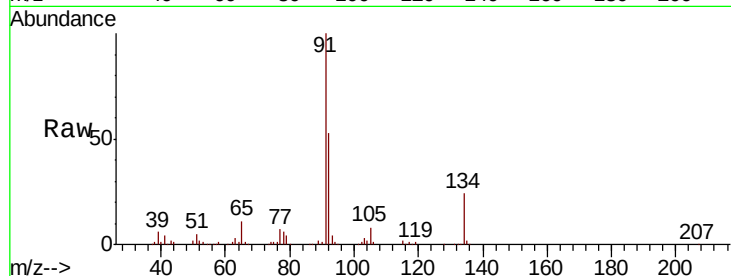
#89
n-Butylbenzene
Concen: 10.189 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	81.0
134	23.5	12.3	36.8

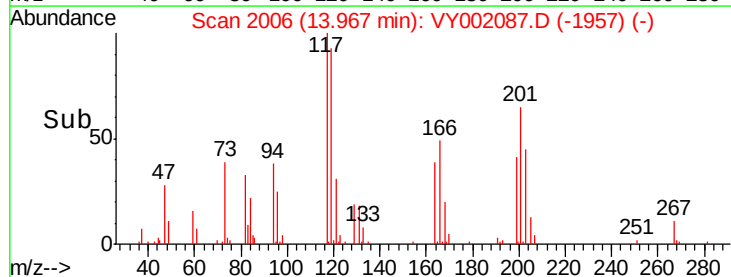
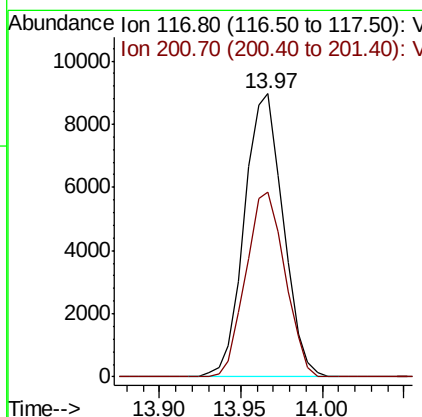
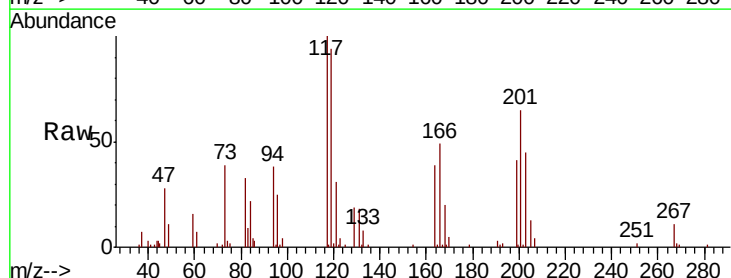
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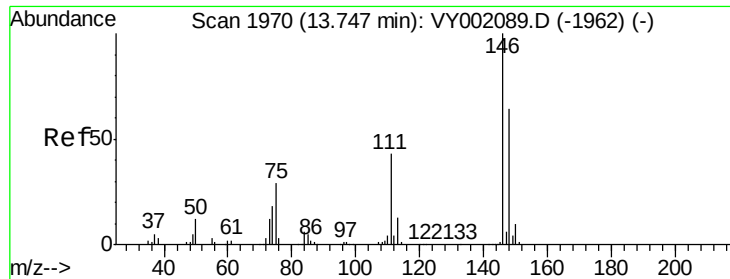
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#90
Hexachloroethane
Concen: 9.625 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	31.6	94.8





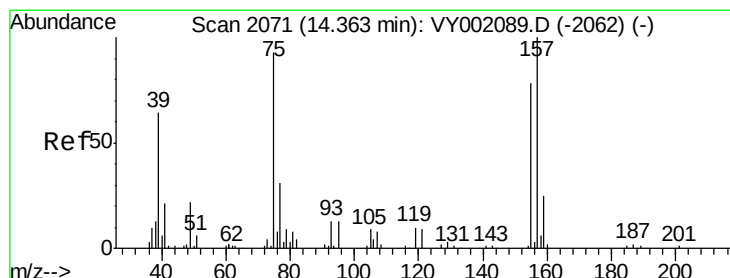
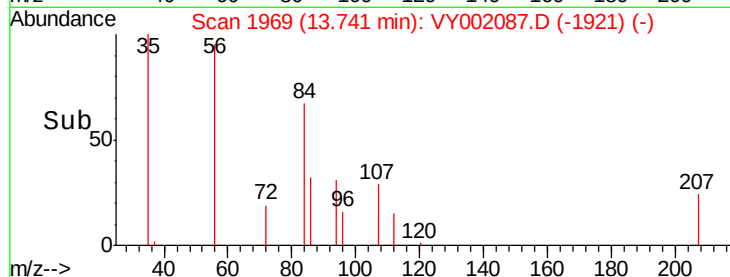
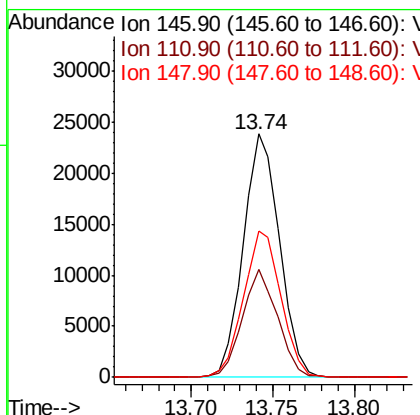
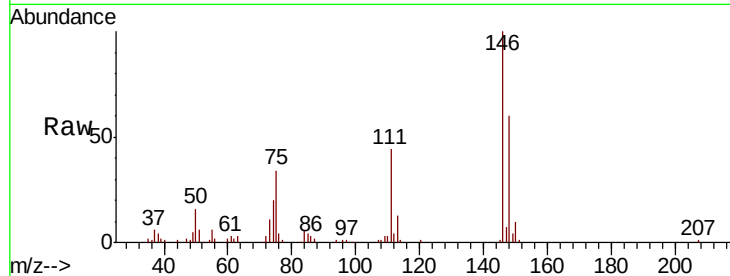
#91
 1,2-Dichlorobenzene
 Concen: 10.373 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.7
148	62.2	31.8	95.4

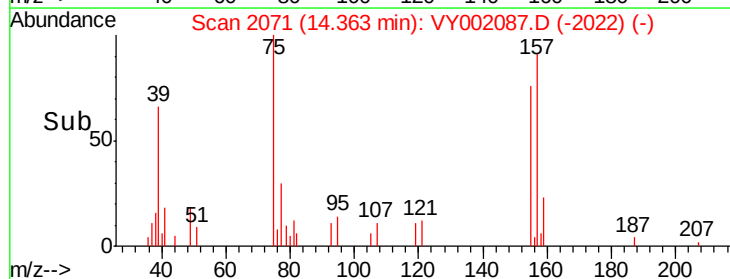
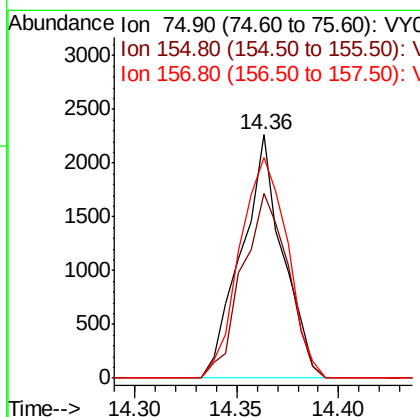
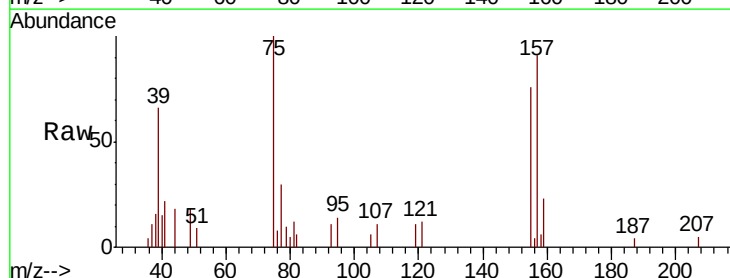
Manual Integrations
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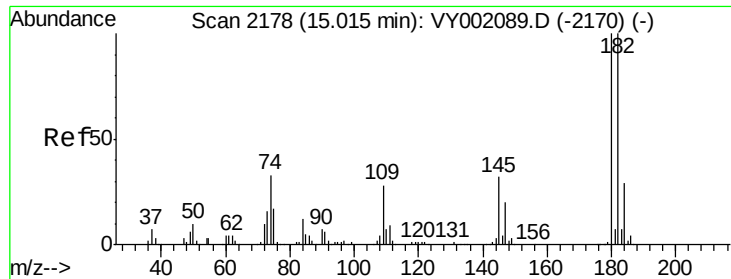
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.151 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.6	124.9
157	104.3	53.4	160.3





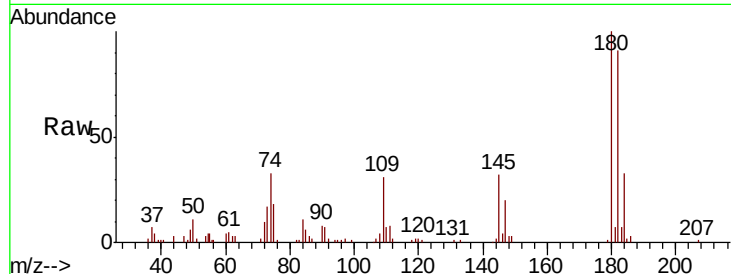
#93
 1,2,4-Trichlorobenzene
 Concen: 10.117 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

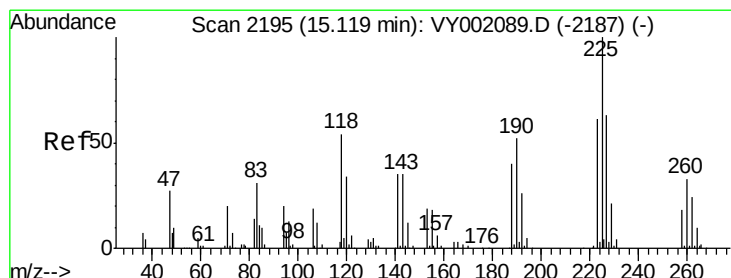
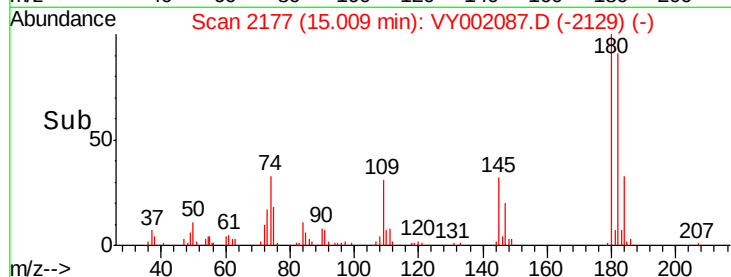
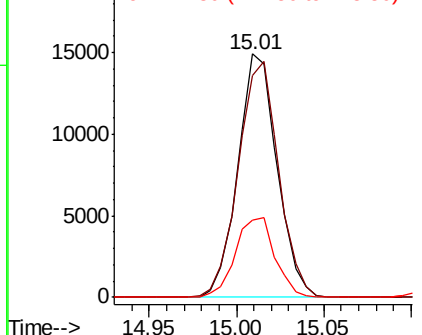
Tot Ion:	180	Resp:	23188
Ion Ratio	Lower	Upper	
180	100		
182	99.6	48.1	144.3
145	33.1	15.9	47.6

Manual Integrations
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 3/27/2020 4:13:54 PM

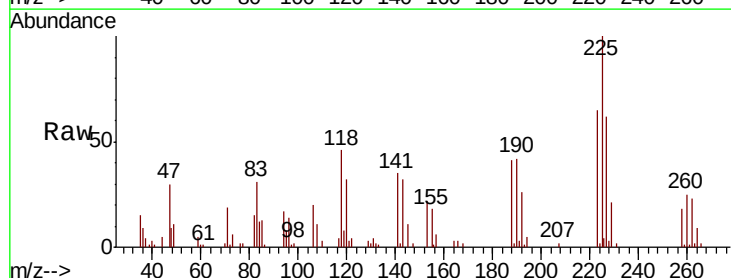


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

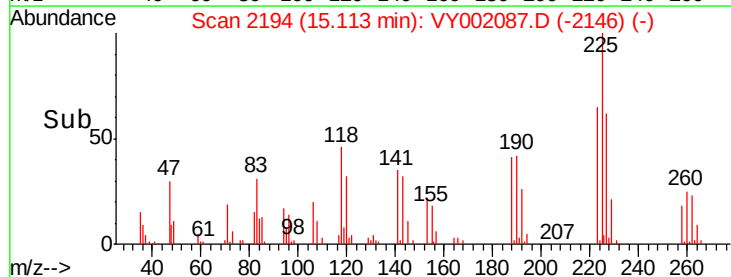
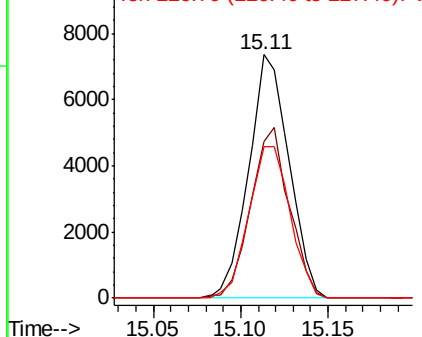


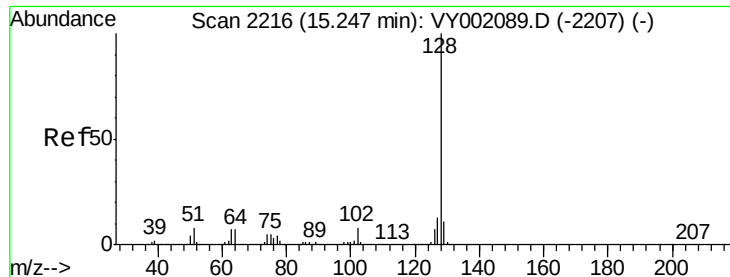
#94
 Hexachlorobutadiene
 Concen: 10.481 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002087.D
 Acq: 26 Mar 2020 15:48

Tgt Ion:	225	Resp:	11783
Ion Ratio	Lower	Upper	
225	100		
223	67.3	31.1	93.3
227	63.8	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





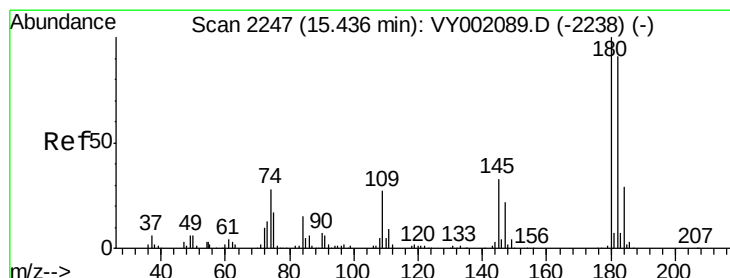
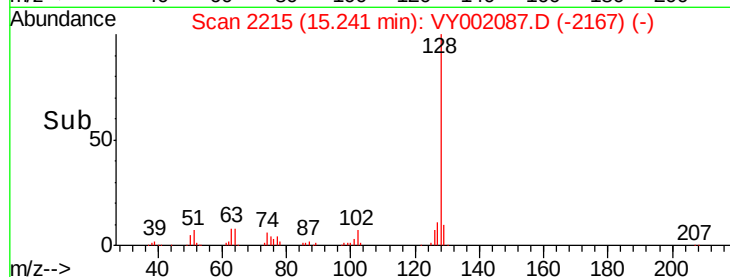
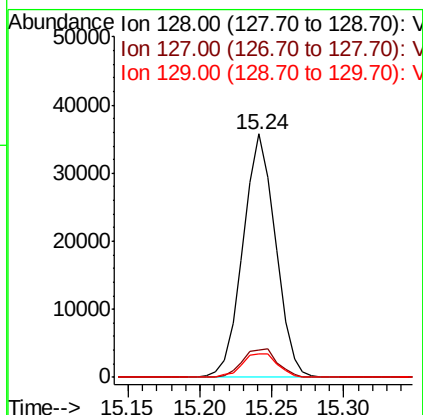
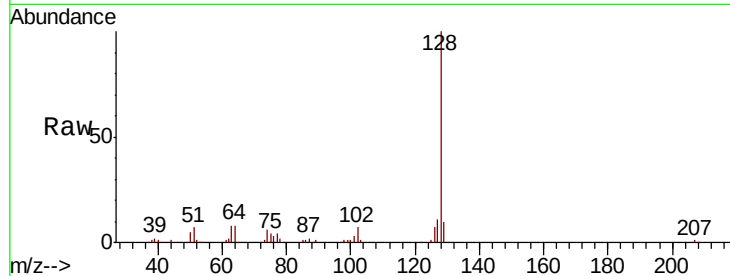
#95
Naphthalene
Concen: 10.304 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	56027
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.8	14.8
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
3/27/2020 4:13:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.628 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002087.D
Acq: 26 Mar 2020 15:48

Tgt Ion:	180	Resp:	21557
Ion Ratio	Lower	Upper	
180	100		
182	91.6	46.8	140.3
145	33.9	16.7	50.1

