

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000049.D
 Acq On : 16 Sep 2019 16:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:24 AM

Quant Time: Sep 17 06:37:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	118816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	228324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	200945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	87853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	69272	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.72	113	67502	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.18	98	283152	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.48	95	96037	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	39317	44.872	ug/l	97
3) Chloromethane	2.11	50	53921	49.278	ug/l	92
4) Vinyl Chloride	2.25	62	62773	47.245	ug/l	94
5) Bromomethane	2.63	94	38631	47.024	ug/l	96
6) Chloroethane	2.78	64	42751	48.331	ug/l	97
7) Trichlorofluoromethane	3.12	101	83135	48.154	ug/l	98
8) Diethyl Ether	3.53	74	37405	52.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60260	51.291	ug/l	97
10) Methyl Iodide	4.09	142	68726	53.494	ug/l	100
11) Tert butyl alcohol	4.97	59	41799	256.878	ug/l #	87
12) 1,1-Dichloroethene	3.87	96	55126	50.346	ug/l	89
13) Acrolein	3.73	56	18524	164.759	ug/l	99
14) Allyl chloride	4.48	41	83210	48.945	ug/l	99
15) Acrylonitrile	5.17	53	115618	256.832	ug/l	99
16) Acetone	3.95	43	77346	217.935	ug/l	96
17) Carbon Disulfide	4.19	76	101382	50.485	ug/l	97
18) Methyl Acetate	4.48	43	48837	48.905	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	174692	52.675	ug/l	99
20) Methylene Chloride	4.71	84	71927	57.578	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	59030	48.688	ug/l	94
22) Diisopropyl ether	6.12	45	192663	51.335	ug/l	96
23) Vinyl Acetate	6.06	43	659003	253.824	ug/l	97
24) 1,1-Dichloroethane	6.01	63	113838	51.186	ug/l	99
25) 2-Butanone	6.99	43	138470	240.055	ug/l	99
26) 2,2-Dichloropropane	6.98	77	103228	49.963	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	80798	52.821	ug/l	98
28) Bromochloromethane	7.34	49	56455	55.273	ug/l #	96
29) Tetrahydrofuran	7.35	42	86870	253.165	ug/l	98
30) Chloroform	7.51	83	117158	51.083	ug/l	98
31) Cyclohexane	7.78	56	83595	51.197	ug/l	93
32) 1,1,1-Trichloroethane	7.70	97	96131	51.097	ug/l	100
36) 1,1-Dichloropropene	7.92	75	81328	48.514	ug/l	99
37) Ethyl Acetate	7.08	43	56152	49.672	ug/l	98
38) Carbon Tetrachloride	7.90	117	79528	50.258	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	96031	46.365	ug/l	94
40) Benzene	8.16	78	270244	49.515	ug/l	98
41) Methacrylonitrile	7.32	41	33420m	50.813	ug/l	
42) 1,2-Dichloroethane	8.24	62	70705	50.692	ug/l	100
43) Isopropyl Acetate	8.28	43	107480	49.064	ug/l	99
44) Trichloroethene	8.94	130	69514	51.010	ug/l	100
45) 1,2-Dichloropropane	9.21	63	71719	50.961	ug/l	98
46) Dibromomethane	9.31	93	38527	49.328	ug/l	99
47) Bromodichloromethane	9.49	83	93474	50.135	ug/l	100
48) Methyl methacrylate	9.29	41	45764	47.343	ug/l	95
49) 1,4-Dioxane	9.29	88	15025	918.575	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	303191	247.002	ug/l	99
52) Toluene	10.24	92	170957	49.848	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	100516	51.276	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	115176	50.493	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	62416	50.428	ug/l	93
56) Ethyl methacrylate	10.51	69	89290	51.404	ug/l	97
57) 1,3-Dichloropropane	10.79	76	102471	51.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	243309	255.711	ug/l	99
59) 2-Hexanone	10.84	43	220959	249.795	ug/l	99
60) Dibromochloromethane	10.98	129	65629	50.323	ug/l	98
61) 1,2-Dibromoethane	11.09	107	54950	50.265	ug/l	100
64) Tetrachloroethene	10.71	164	59195	48.038	ug/l	94
65) Chlorobenzene	11.51	112	189444	49.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	65214	49.154	ug/l	99
67) Ethyl Benzene	11.59	91	336369	48.356	ug/l	97
68) m/p-Xylenes	11.70	106	258658	98.539	ug/l	100
69) o-Xylene	12.02	106	126273	49.083	ug/l	98
70) Styrene	12.04	104	229413	51.262	ug/l	97
71) Bromoform	12.21	173	39462	49.262	ug/l #	96
73) Isopropylbenzene	12.32	105	333101	49.623	ug/l	100
74) N-amyl acetate	12.14	43	99014	49.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	79519	49.547	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	58115m	47.626	ug/l	
77) Bromobenzene	12.60	156	71126	50.090	ug/l	96
78) n-propylbenzene	12.66	91	411693	50.186	ug/l	99
79) 2-Chlorotoluene	12.75	91	227189	49.527	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	281413	50.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30012	48.786	ug/l	98
82) 4-Chlorotoluene	12.85	91	237823	49.399	ug/l	99
83) tert-Butylbenzene	13.07	119	242476	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	278101	50.230	ug/l	99
85) sec-Butylbenzene	13.25	105	357071	50.241	ug/l	99
86) p-Isopropyltoluene	13.37	119	305431	50.660	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	142555	49.883	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	143191	49.791	ug/l	99
89) n-Butylbenzene	13.69	91	312429	51.137	ug/l	100
90) Hexachloroethane	13.96	117	60040	49.832	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	132959	49.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14681	53.062	ug/l	96

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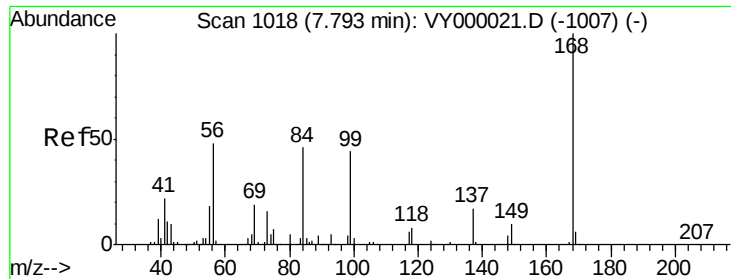
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	84501	49.792	ug/l	98
94) Hexachlorobutadiene	15.10	225	39475	50.715	ug/l	98
95) Naphthalene	15.23	128	231456	49.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	75989	49.880	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 118816

Ion Ratio Lower Upper

168 100

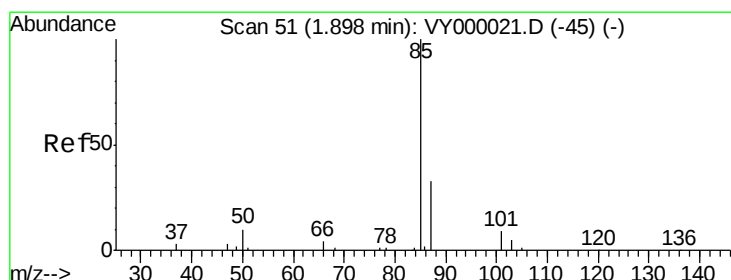
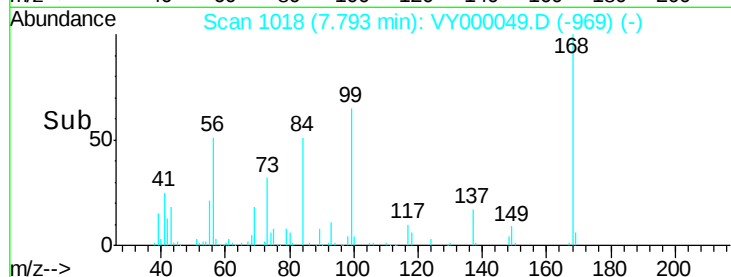
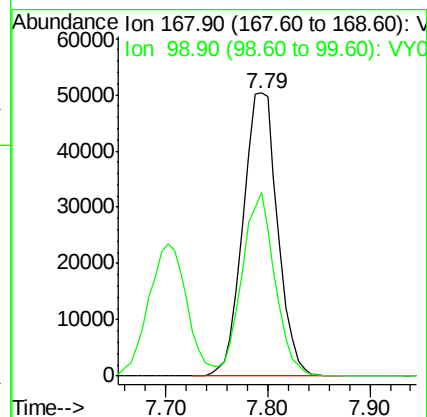
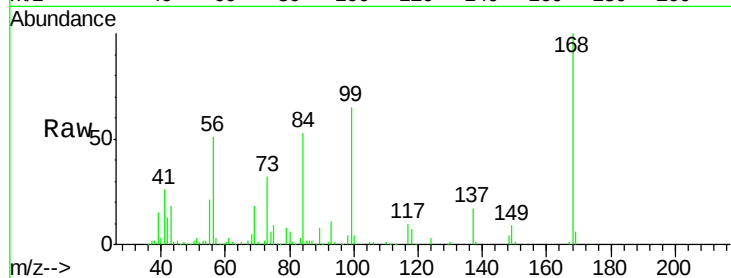
99 65.0 46.3 69.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.872 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000049.D

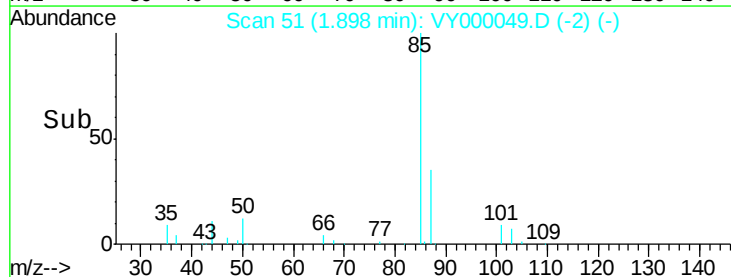
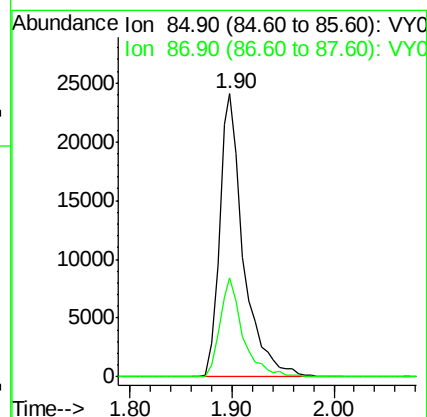
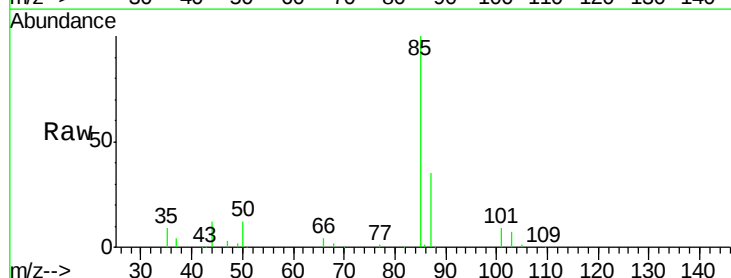
Acq: 16 Sep 2019 16:39

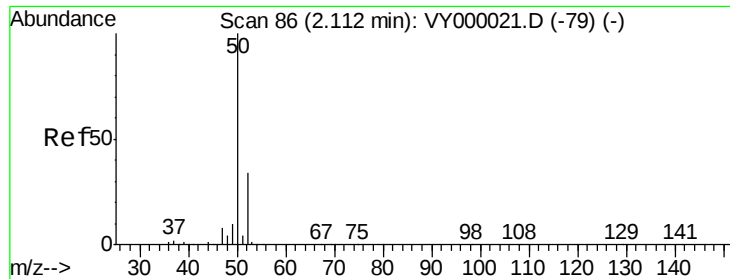
Tgt Ion: 85 Resp: 39317

Ion Ratio Lower Upper

85 100

87 35.0 16.6 49.7





#3

Chloromethane

Concen: 49.278 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 53921

Ion Ratio Lower Upper

50 100

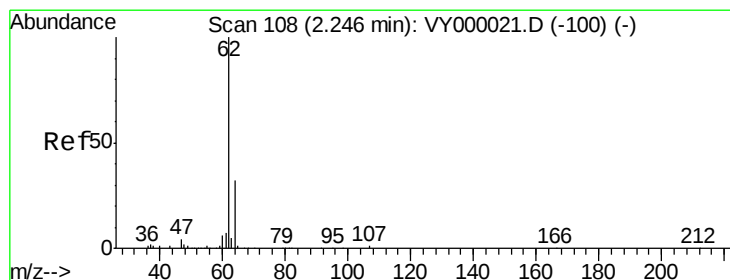
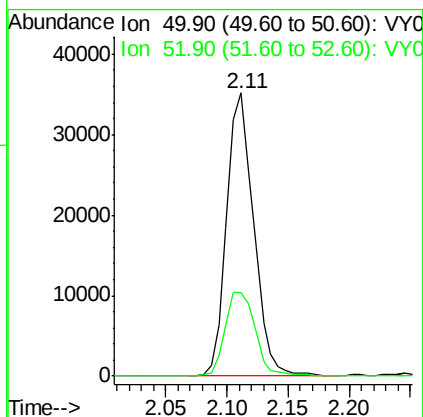
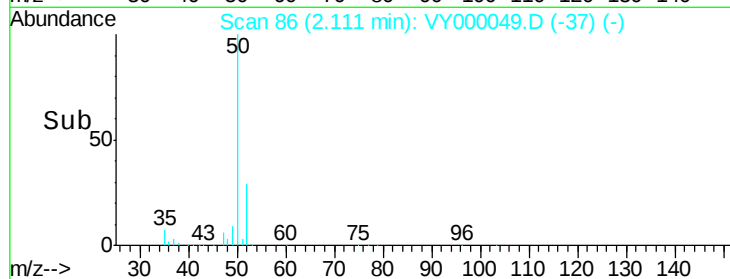
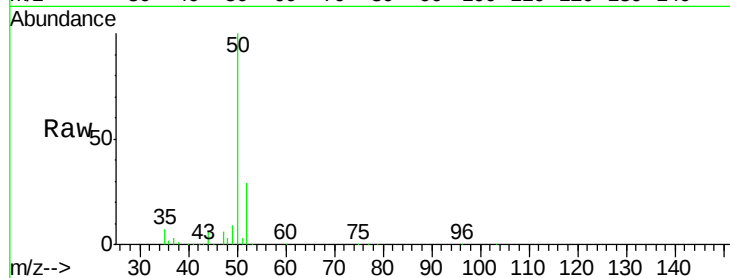
52 29.4 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.245 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000049.D

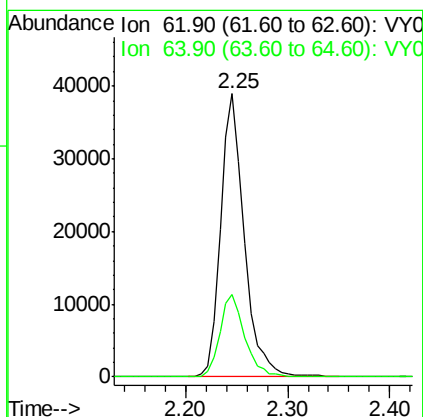
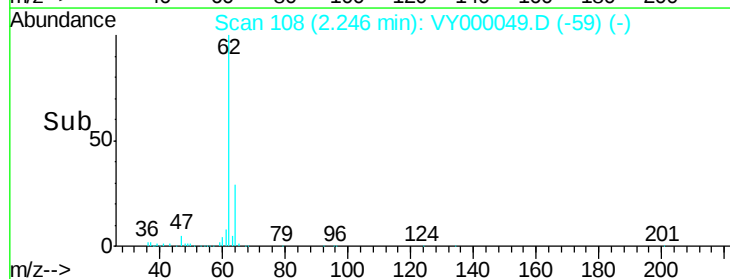
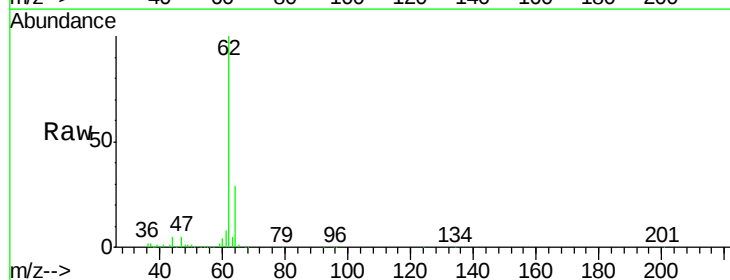
Acq: 16 Sep 2019 16:39

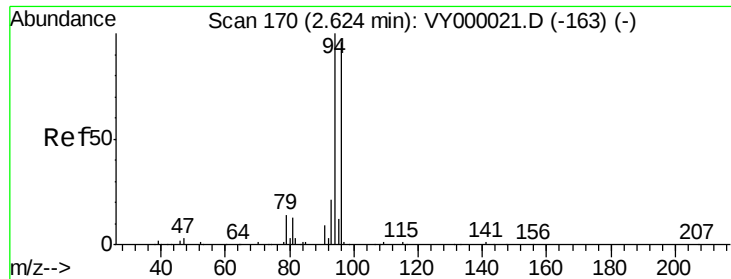
Tgt Ion: 62 Resp: 62773

Ion Ratio Lower Upper

62 100

64 29.3 26.1 39.1





#5

Bromomethane

Concen: 47.024 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38631

Ion Ratio Lower Upper

94 100

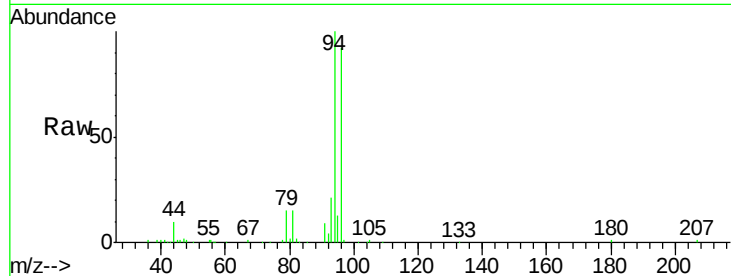
96 91.9 76.8 115.2

Manual Integrations

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9/20/2019 1:02:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

20000

15000

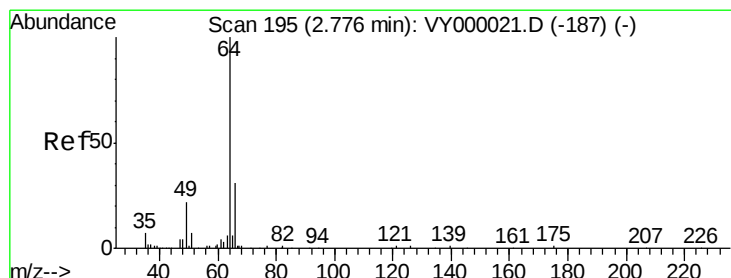
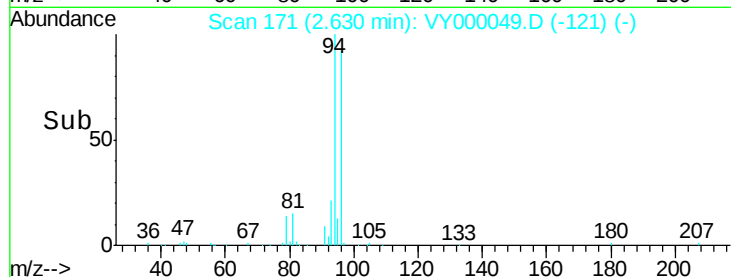
10000

5000

0

2.60 2.70

Time-->



#6

Chloroethane

Concen: 48.331 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000049.D

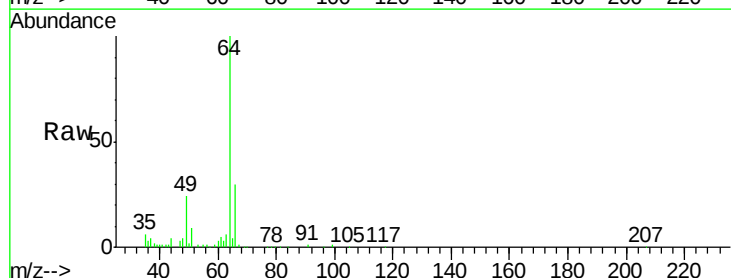
Acq: 16 Sep 2019 16:39

Tgt Ion: 64 Resp: 42751

Ion Ratio Lower Upper

64 100

66 29.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.78

20000

15000

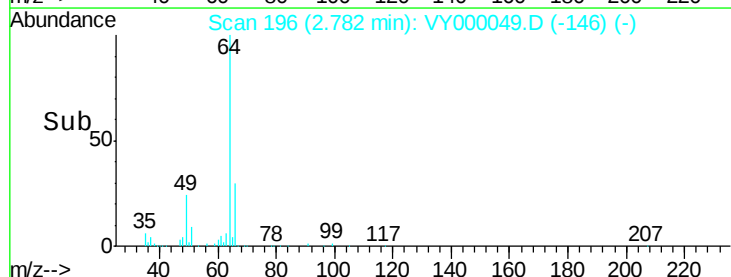
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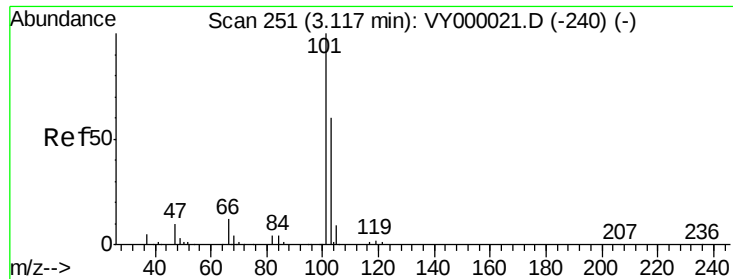
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0

2.70 2.80 2.90

Time-->





#7

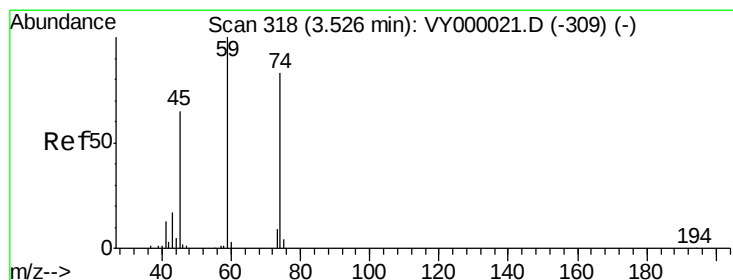
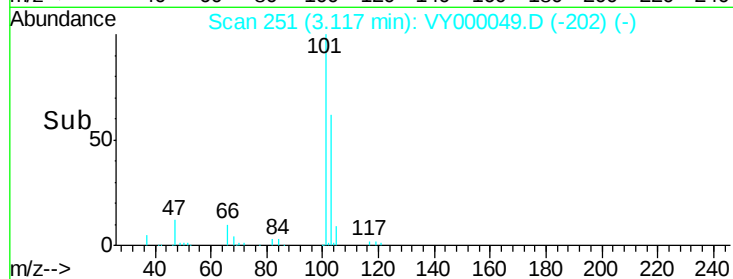
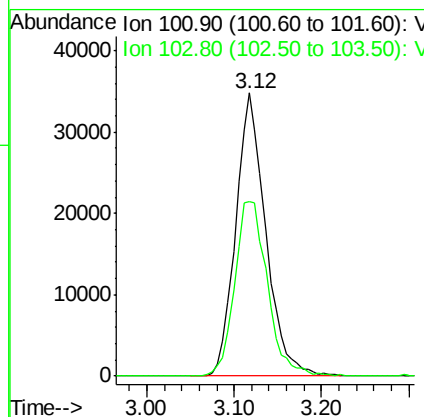
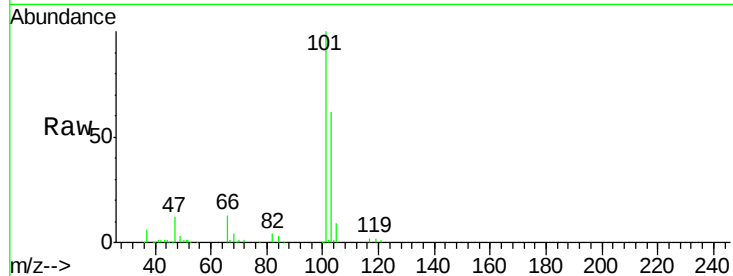
Trichlorofluoromethane
 Concen: 48.154 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	48.1	72.1

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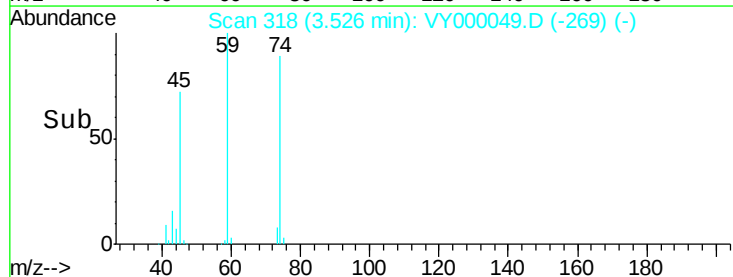
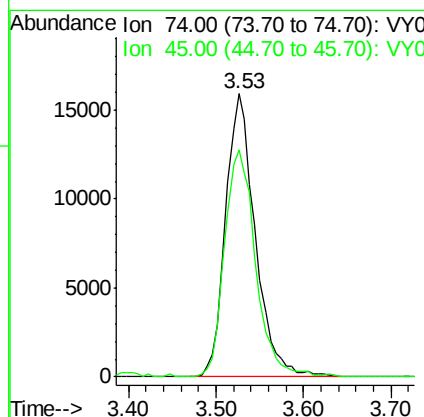
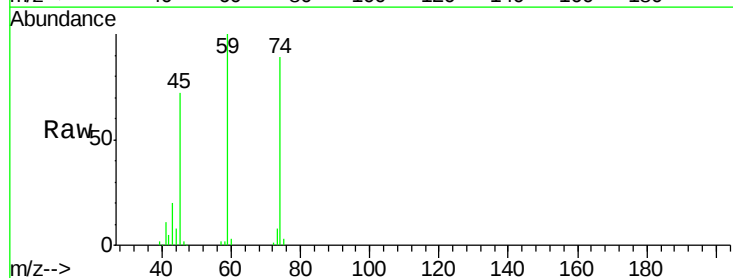
MMDadoda
 9/20/2019 1:02:24 AM

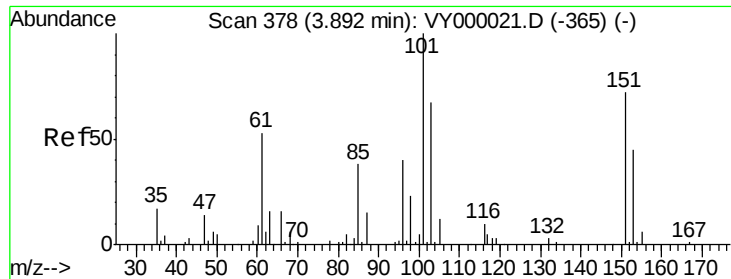


#8

Diethyl Ether
 Concen: 52.720 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.2	41.9	125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.291 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

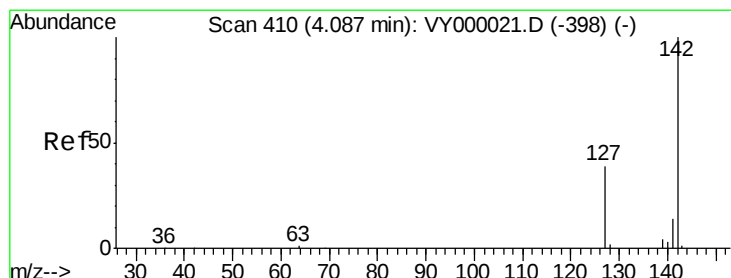
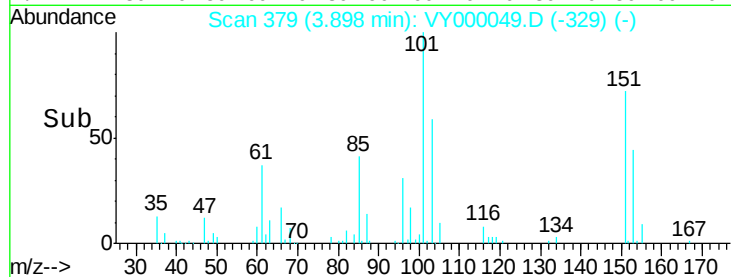
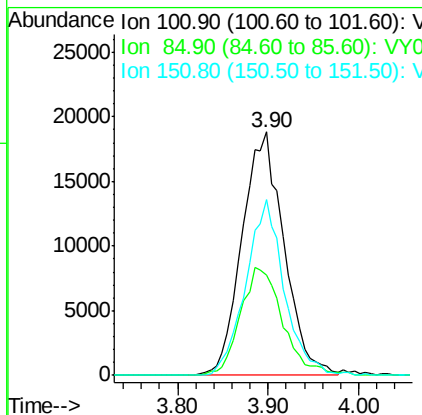
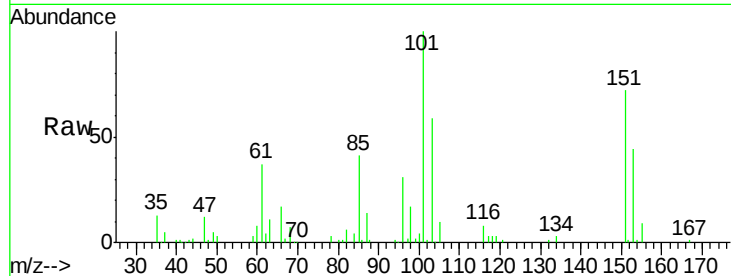
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	60260
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.3	52.9
151	66.1	55.9	83.9

Manual Integrations
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9/20/2019 1:02:24 AM



#10

Methyl Iodide

Concen: 53.494 ug/l

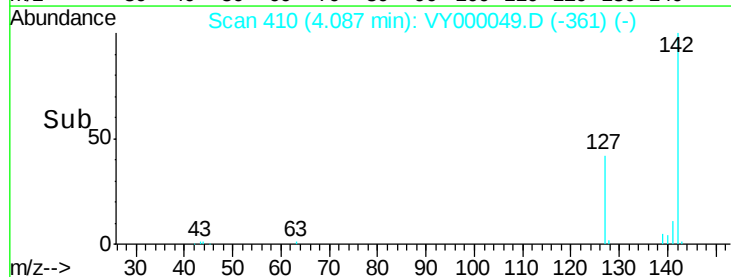
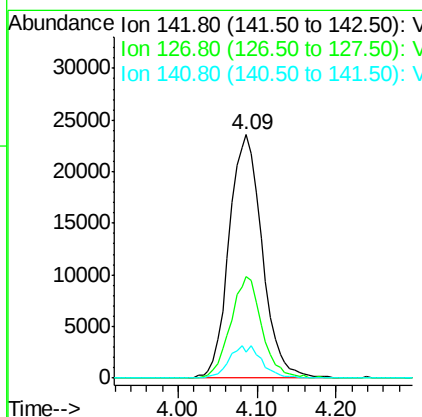
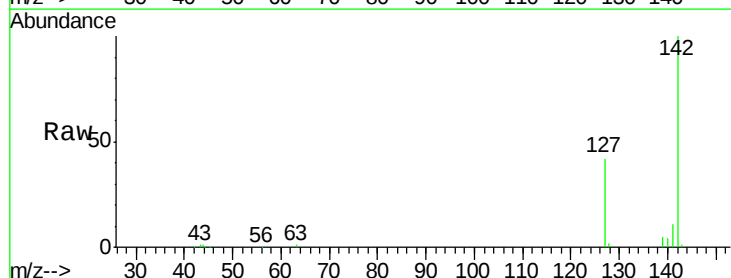
RT: 4.09 min Scan# 410

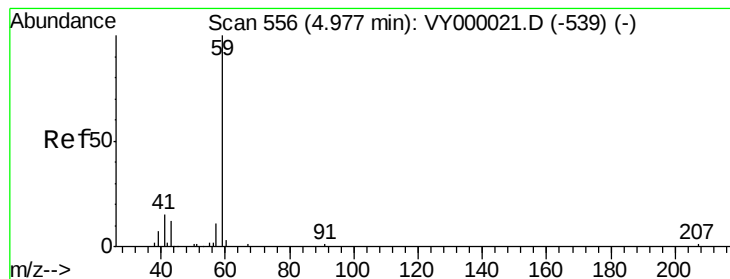
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	142	Resp:	68726
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.4	47.2
141	13.0	10.6	16.0





#11

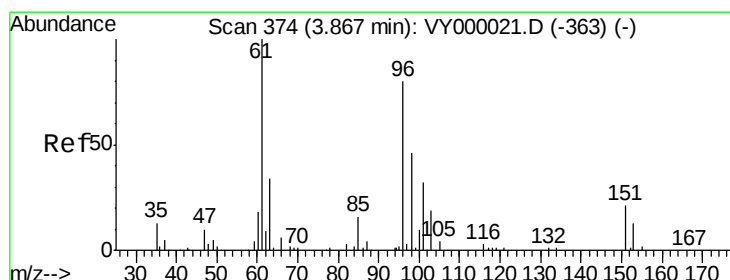
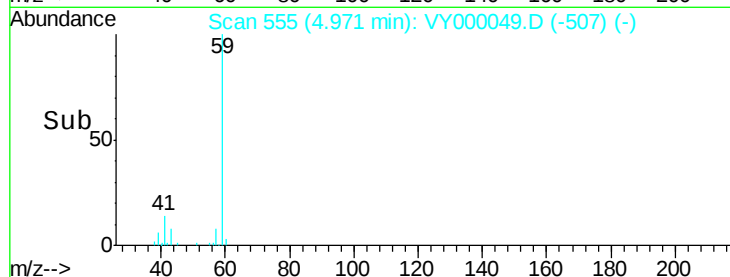
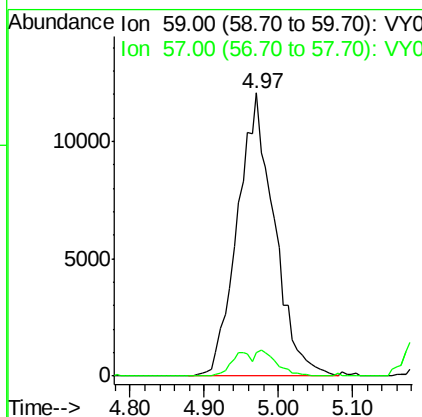
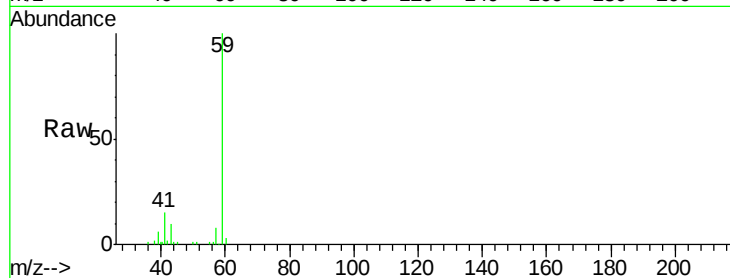
Tert butyl alcohol
 Concen: 256.878 ug/l
 RT: 4.97 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.3	12.5#

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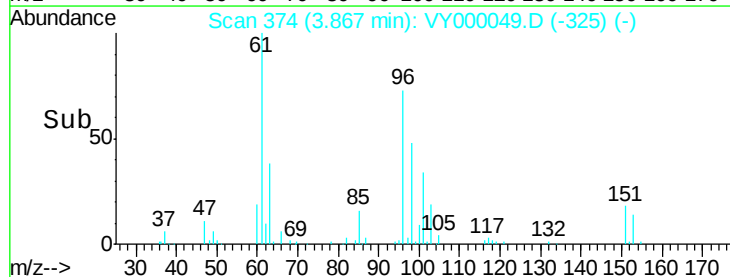
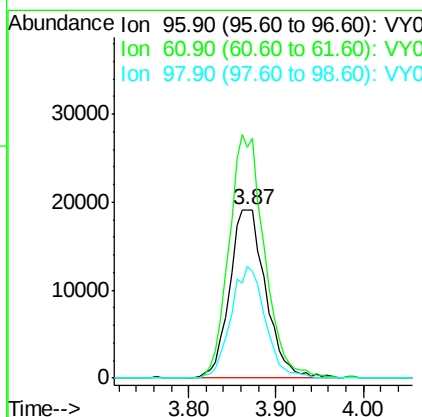
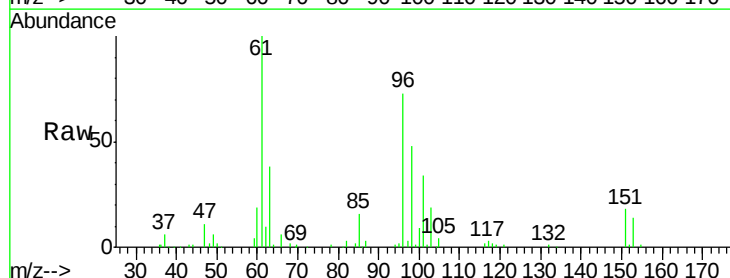
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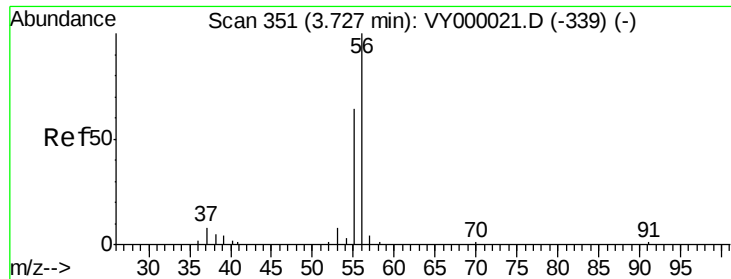


#12

1,1-Dichloroethene
 Concen: 50.346 ug/l
 RT: 3.87 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.8	99.8	149.6
98	66.0	46.3	69.5





#13

Acrolein

Concen: 164.759 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18524

Ion Ratio Lower Upper

56 100

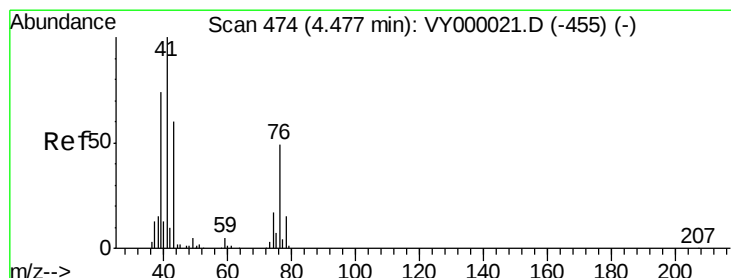
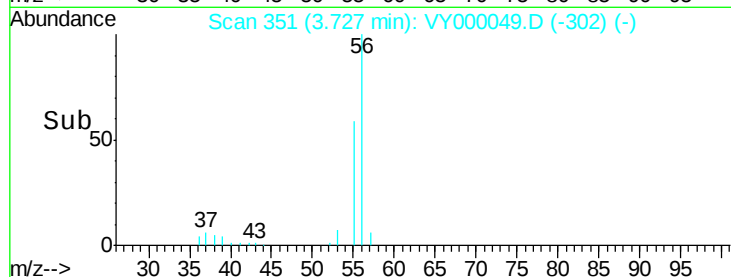
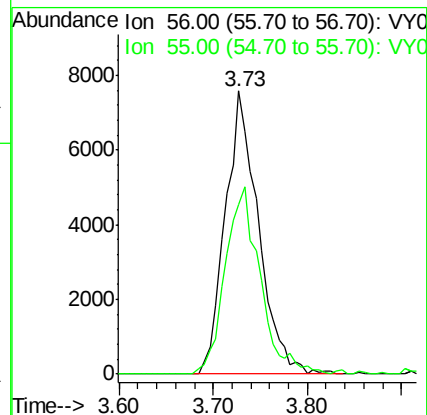
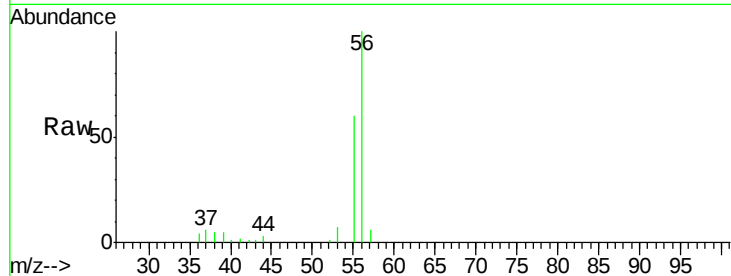
55 69.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.945 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

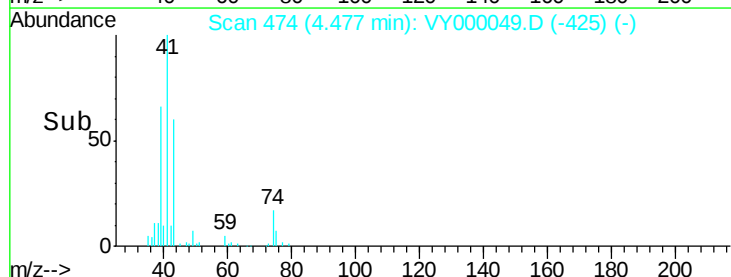
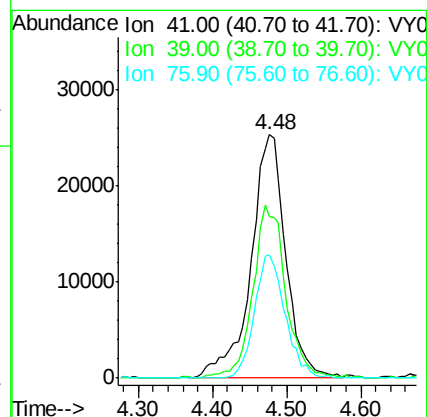
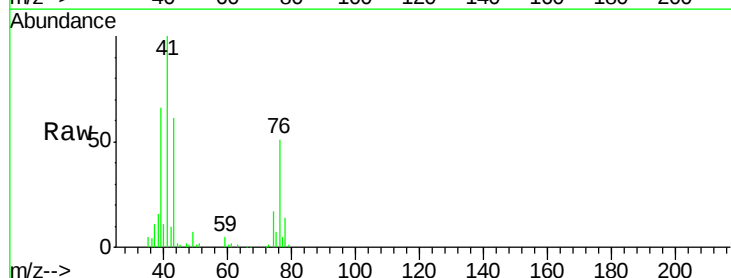
Tgt Ion: 41 Resp: 83210

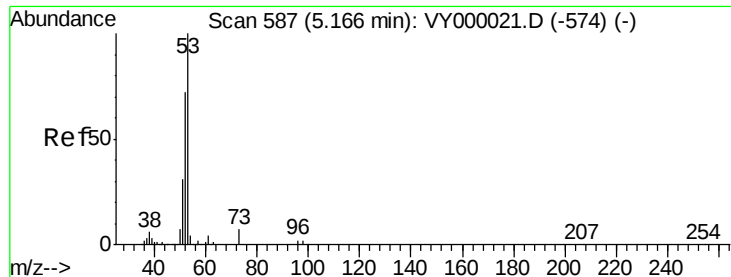
Ion Ratio Lower Upper

41 100

39 66.9 53.1 79.7

76 44.7 34.9 52.3





#15

Acrylonitrile

Concen: 256.832 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

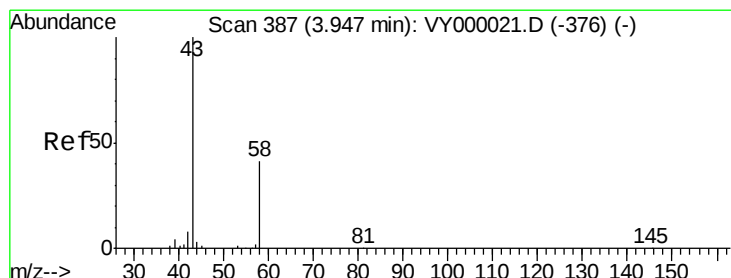
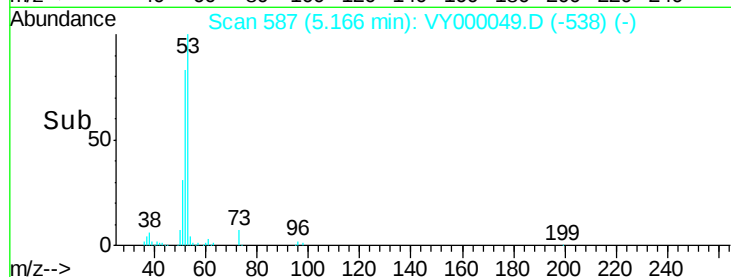
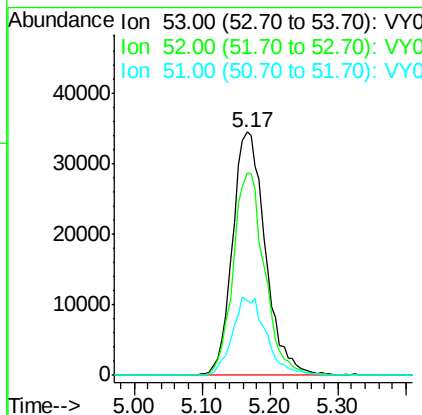
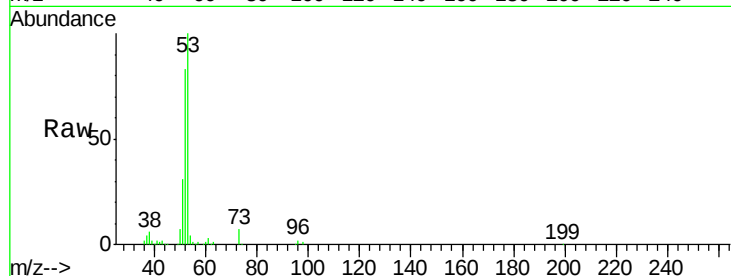
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	115618
Ion Ratio	Lower	Upper	
53	100		
52	79.7	62.8	94.2
51	33.1	26.6	40.0

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#16

Acetone

Concen: 217.935 ug/l

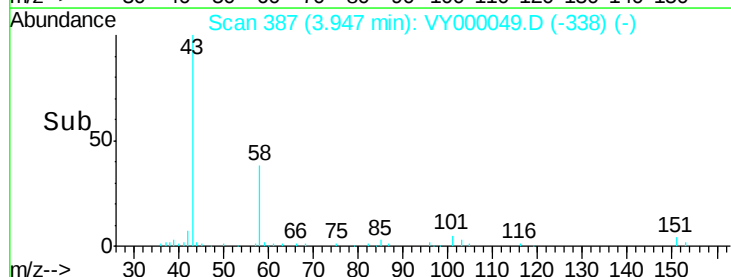
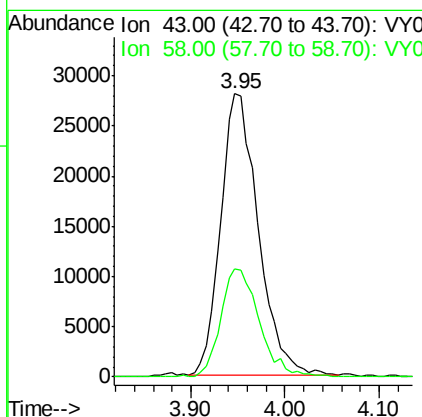
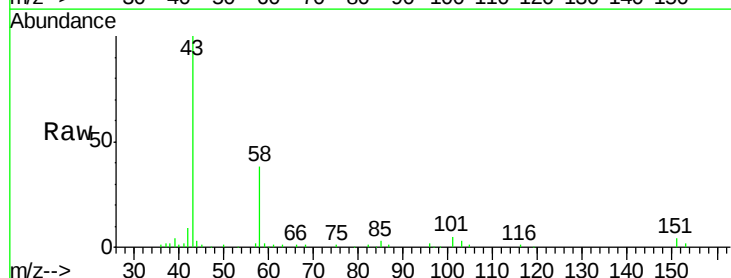
RT: 3.95 min Scan# 387

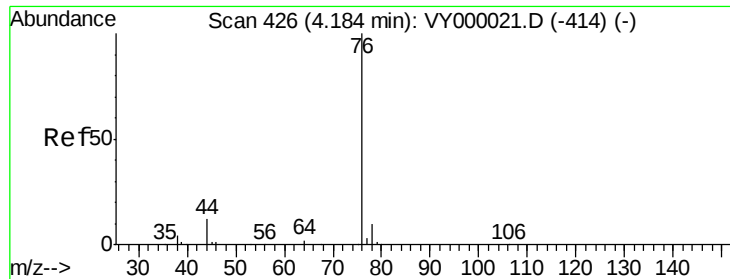
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	43	Resp:	77346
Ion Ratio	Lower	Upper	
43	100		
58	38.4	32.5	48.7





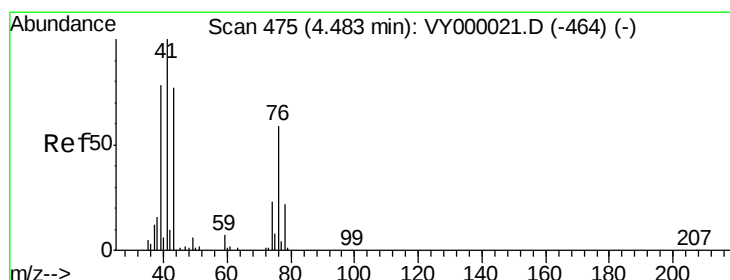
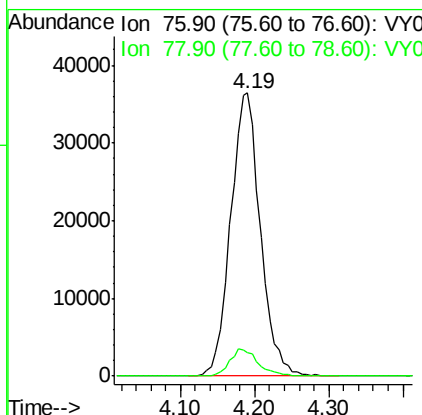
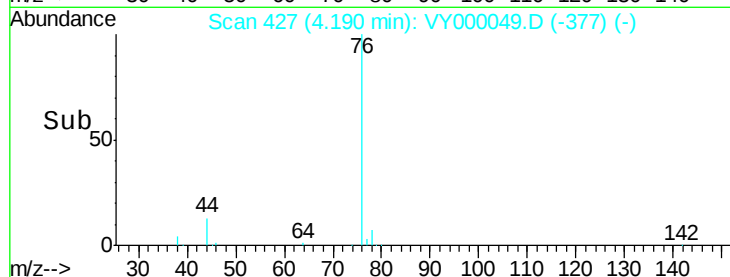
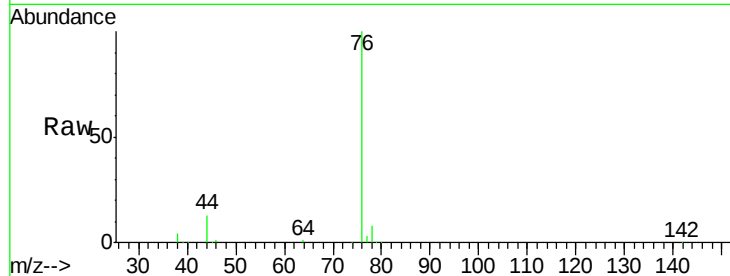
#17
Carbon Disulfide
Concen: 50.485 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.6	11.4

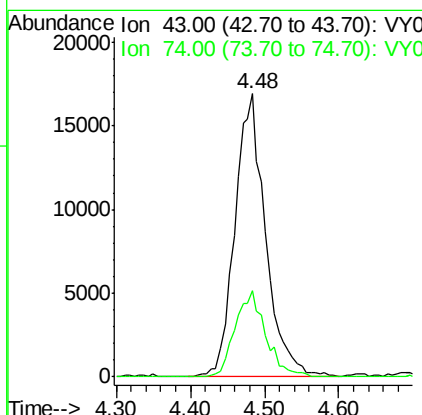
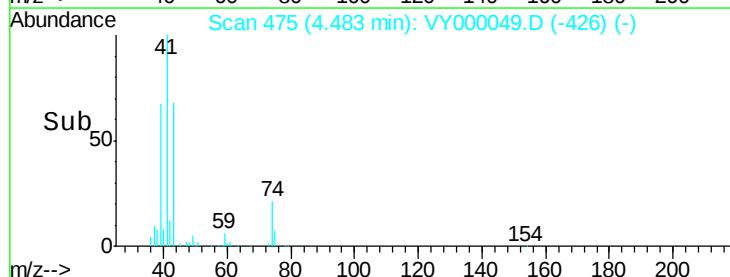
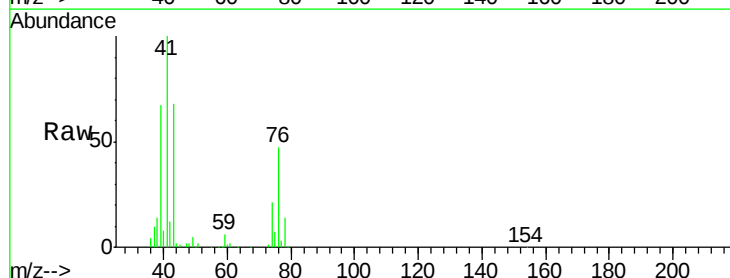
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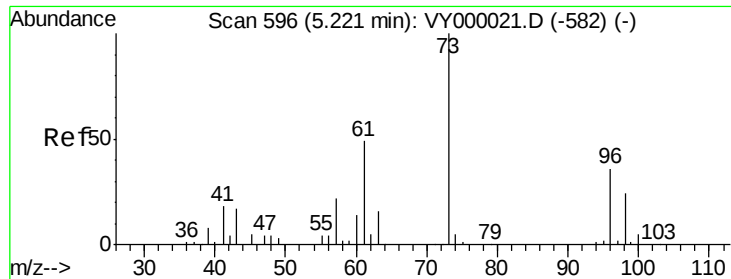
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#18
Methyl Acetate
Concen: 48.905 ug/l
RT: 4.48 min Scan# 475
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.4	21.4	32.0





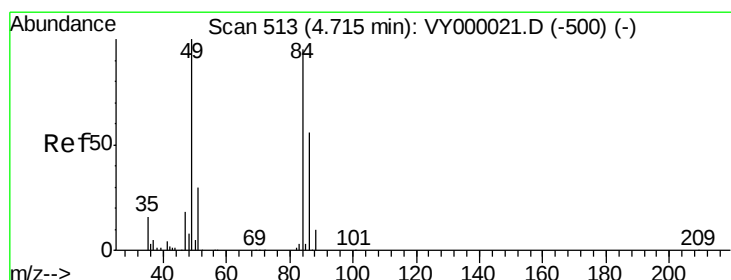
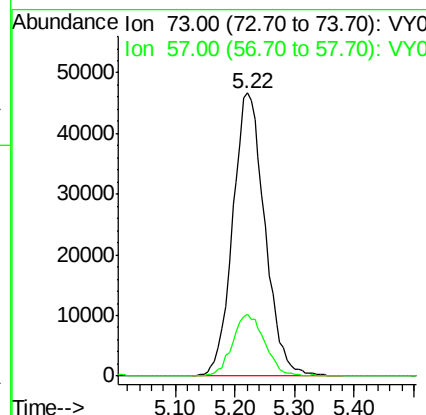
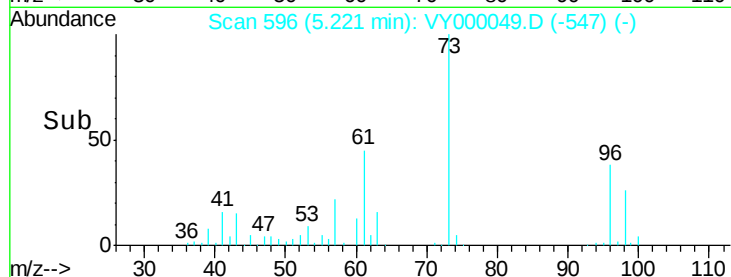
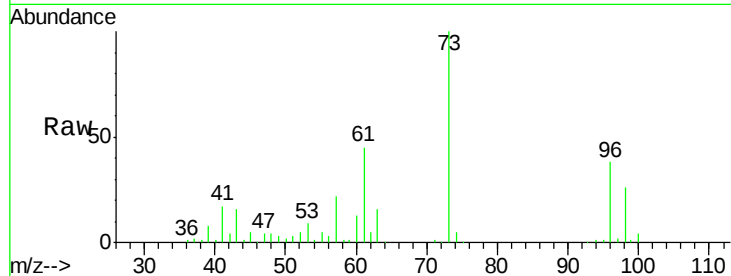
#19
Methvl tert-butvl Ether
Concen: 52.675 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 174692
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

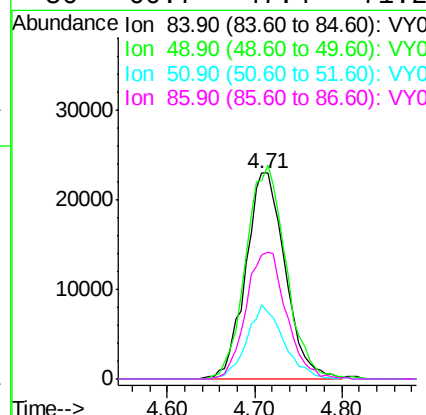
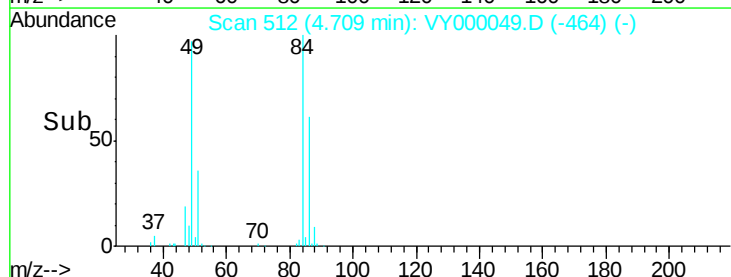
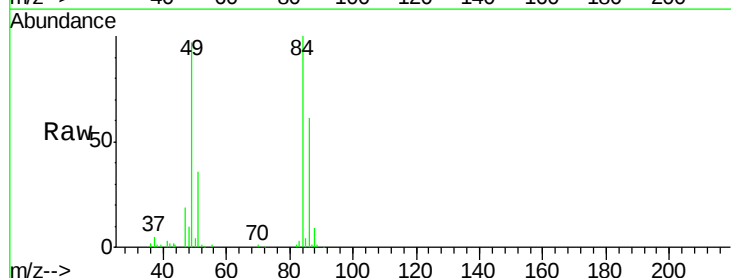
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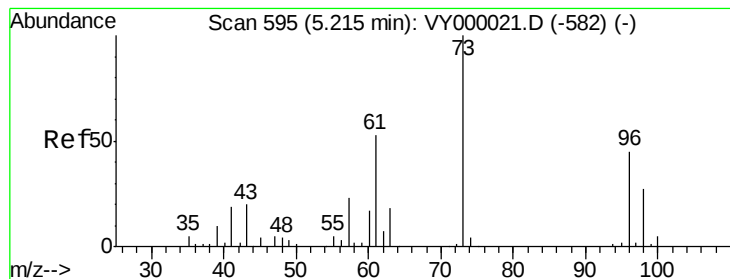
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#20
Methylene Chloride
Concen: 57.578 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion: 84 Resp: 71927
Ion Ratio Lower Upper
84 100
49 96.7 84.4 126.6
51 36.2 25.4 38.0
86 60.7 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 48.688 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

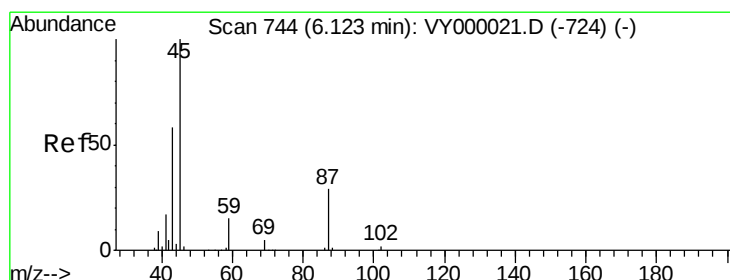
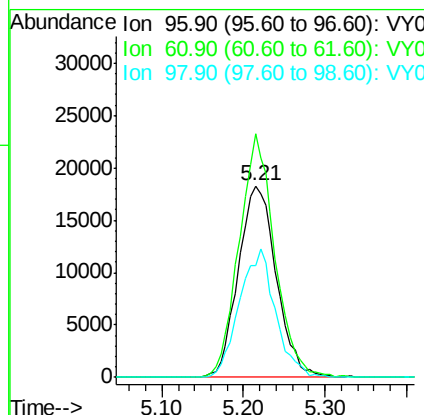
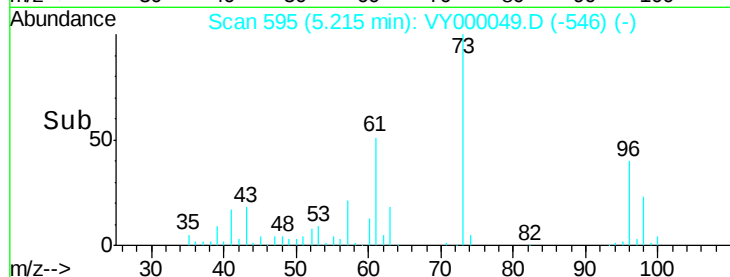
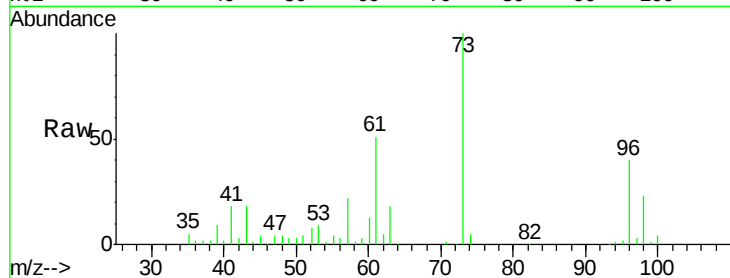
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	59030
Ion	Ratio	Lower	Upper
96	100		
61	127.0	95.3	142.9
98	58.6	48.7	73.1

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#22

Diisopropyl ether

Concen: 51.335 ug/l

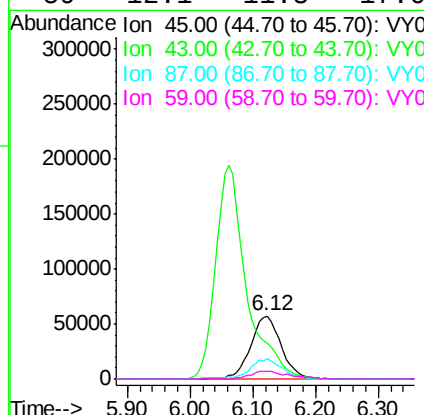
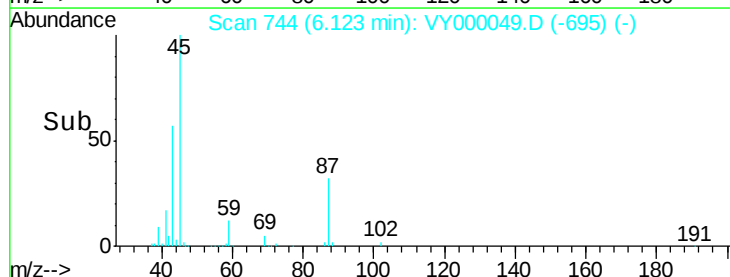
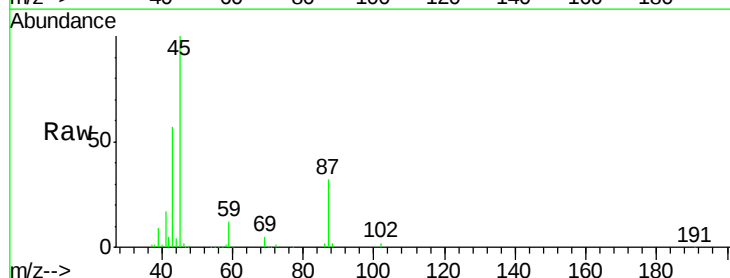
RT: 6.12 min Scan# 744

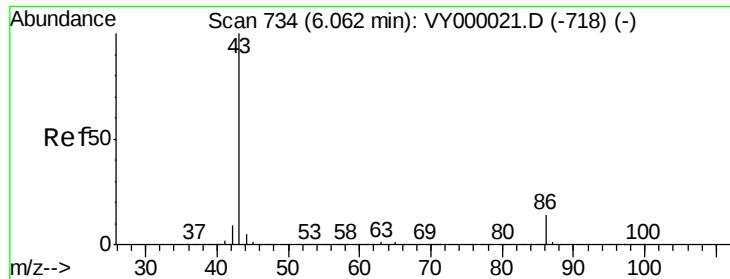
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	45	Resp:	192663
Ion	Ratio	Lower	Upper
45	100		
43	57.0	47.0	70.4
87	32.4	23.1	34.7
59	12.1	11.8	17.6





#23

Vinyl Acetate

Concen: 253.824 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 659003

Ion Ratio Lower Upper

43 100

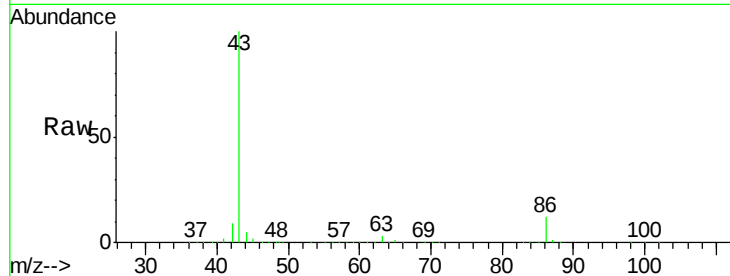
86 12.3 11.0 16.4

Manual Integrations

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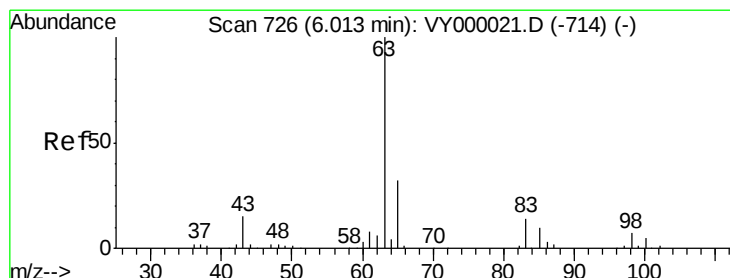
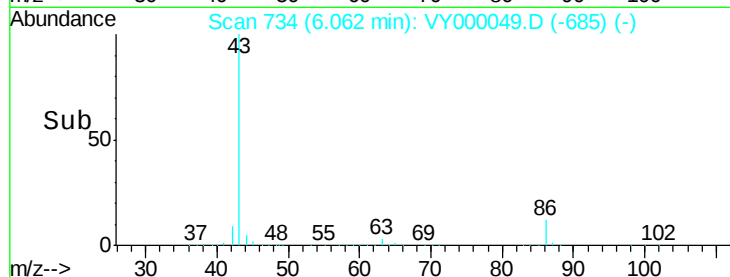
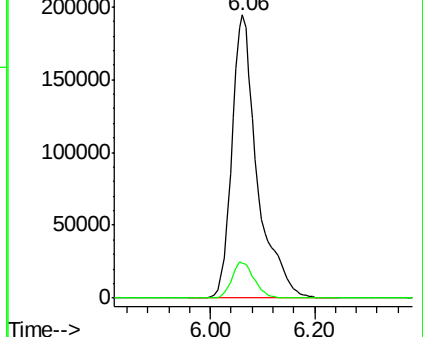
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 51.186 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

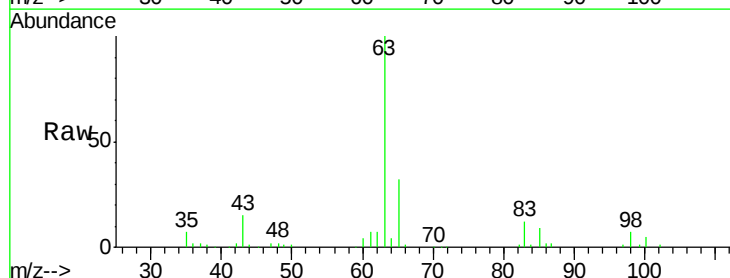
Tgt Ion: 63 Resp: 113838

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

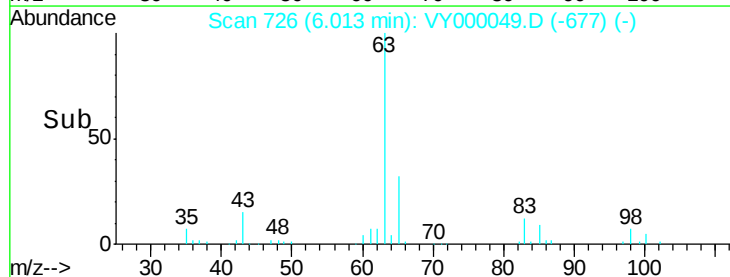
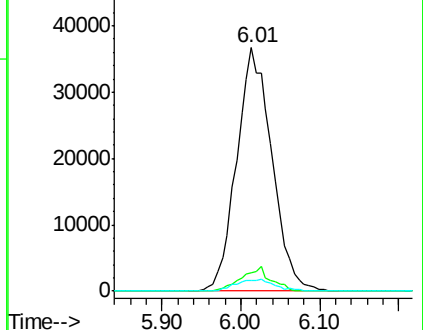
100 4.5 2.6 8.0

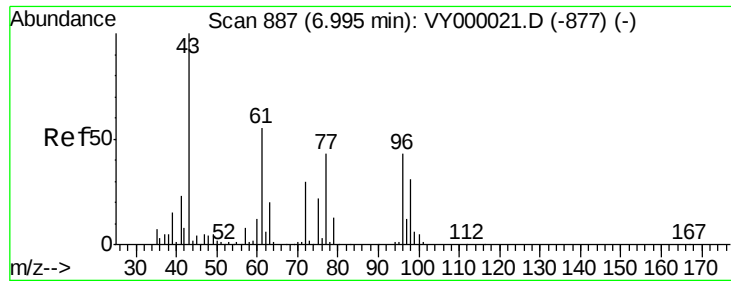


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 240.055 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 138470

Ion Ratio Lower Upper

43 100

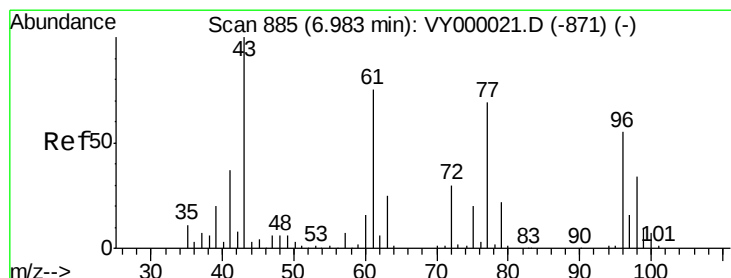
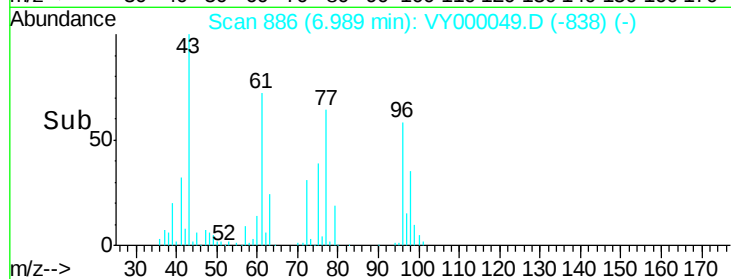
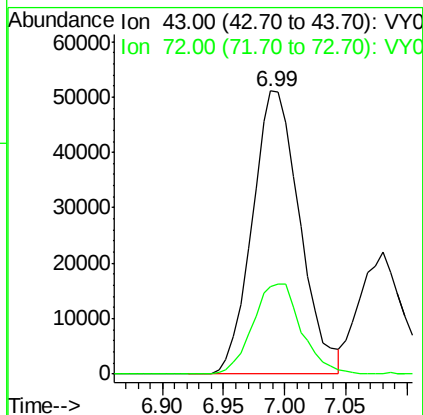
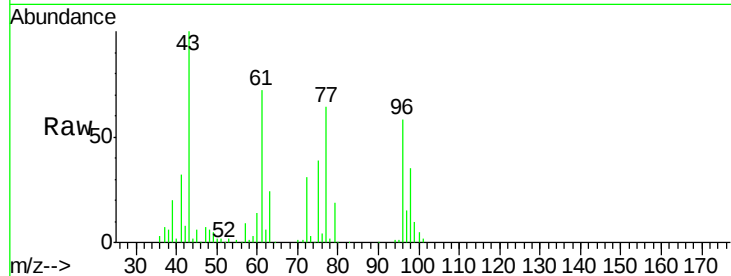
72 30.9 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.963 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000049.D

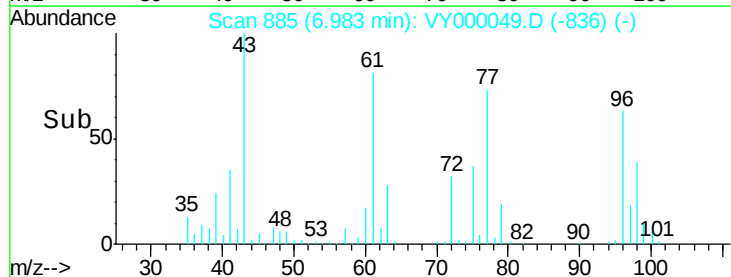
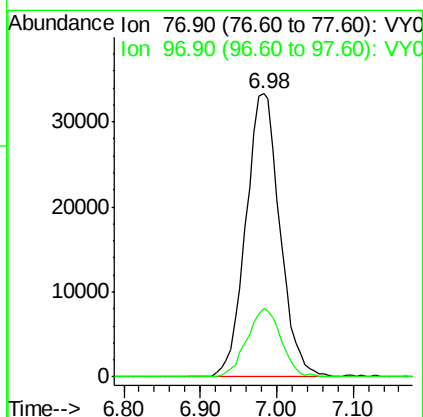
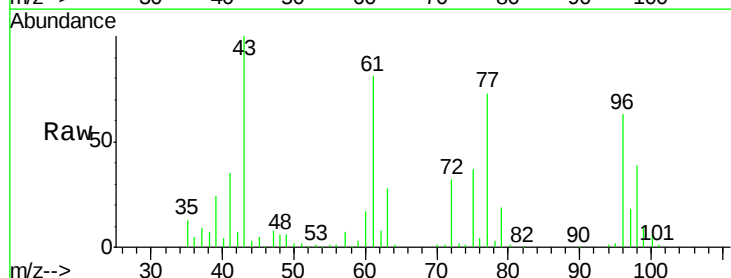
Acq: 16 Sep 2019 16:39

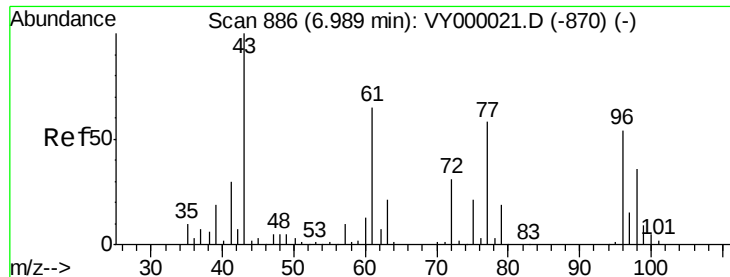
Tgt Ion: 77 Resp: 103228

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.1





#27

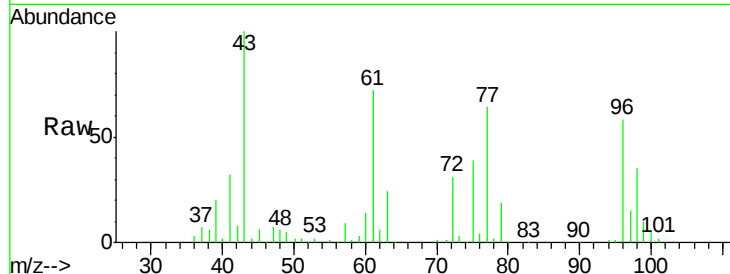
cis-1,2-Dichloroethene
 Concen: 52.821 ug/l
 RT: 6.99 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	259.2
98	63.1	0.0	127.4

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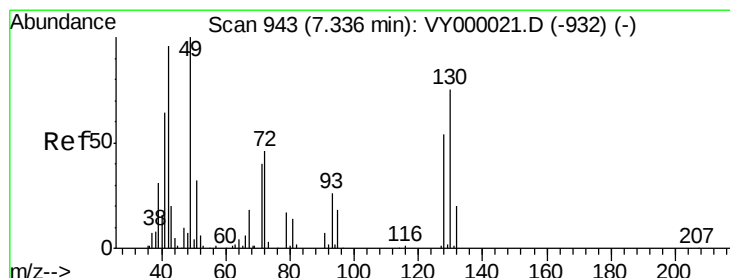
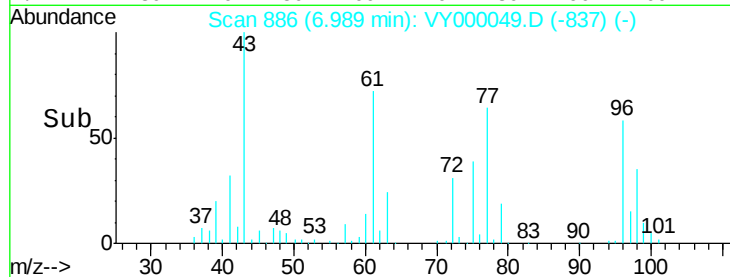
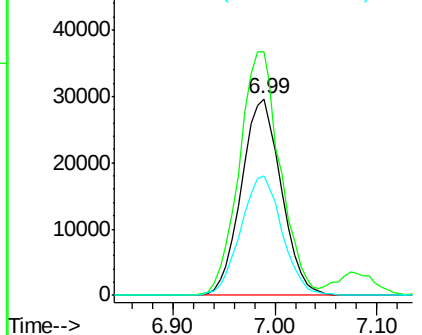


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

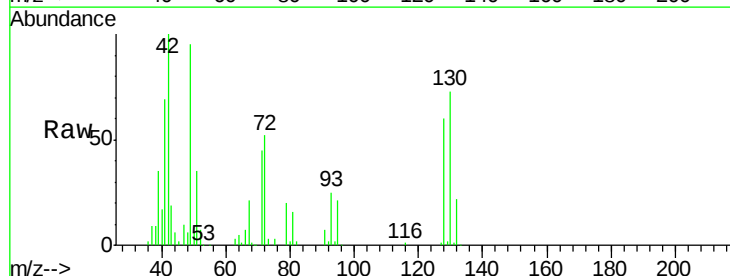
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
 Concen: 55.273 ug/l
 RT: 7.34 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.8#
130	81.8	62.5	93.7

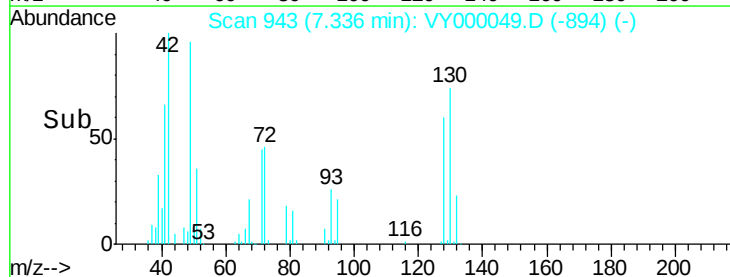
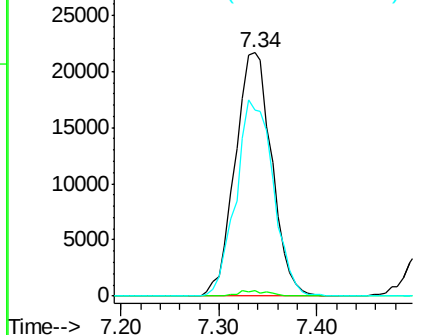


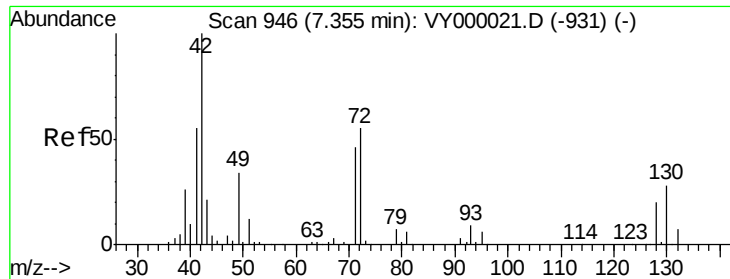
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





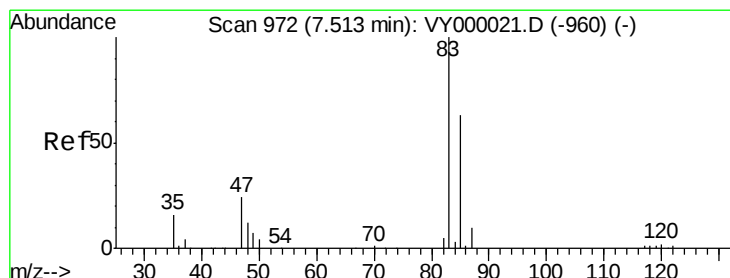
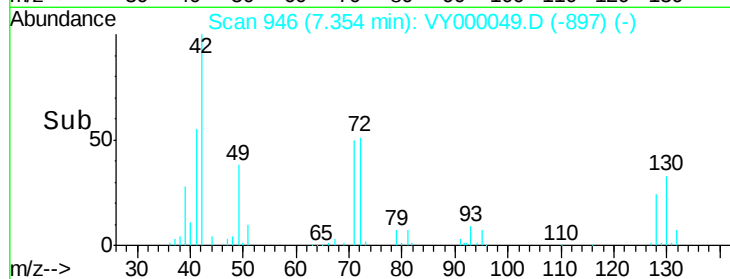
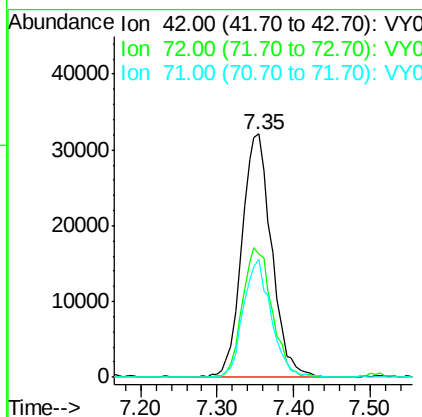
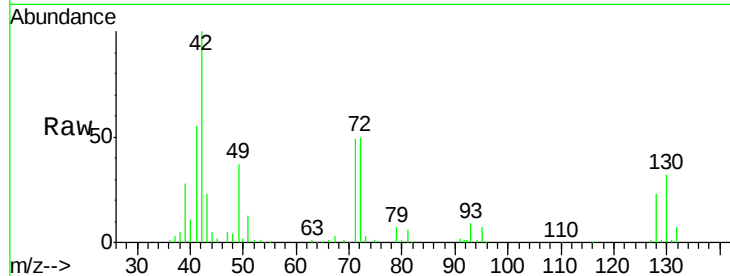
#29
Tetrahydrofuran
Concen: 253.165 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	41.1	61.7
71	45.0	36.5	54.7

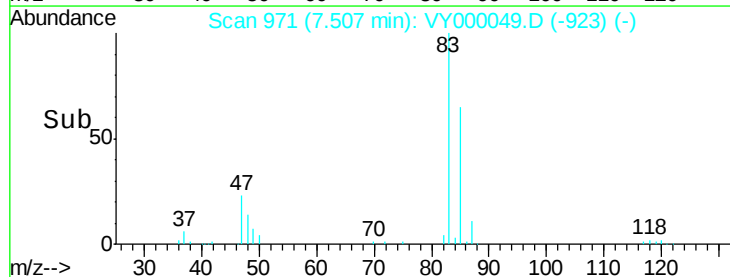
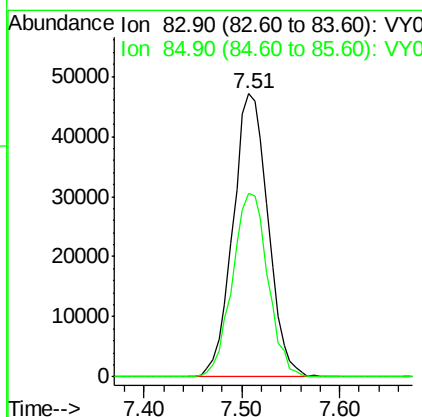
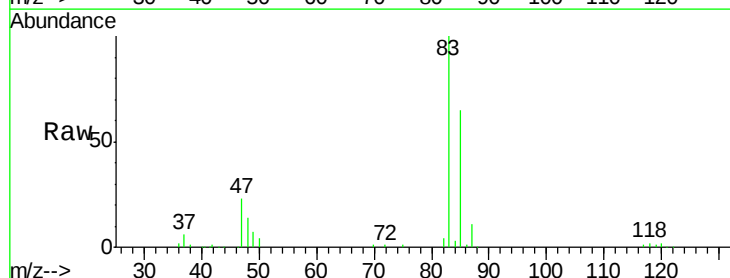
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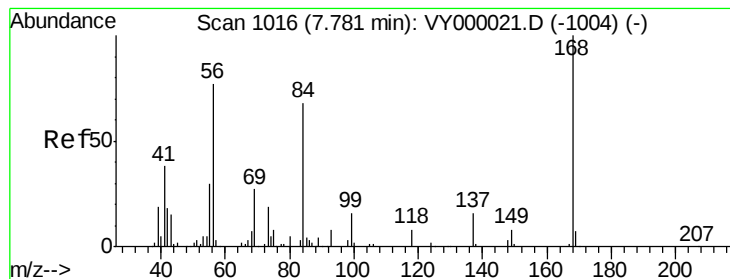
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#30
Chloroform
Concen: 51.083 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0





#31

Cyclohexane

Concen: 51.197 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83595

Ion Ratio Lower Upper

56 100

69 34.7 28.0 42.0

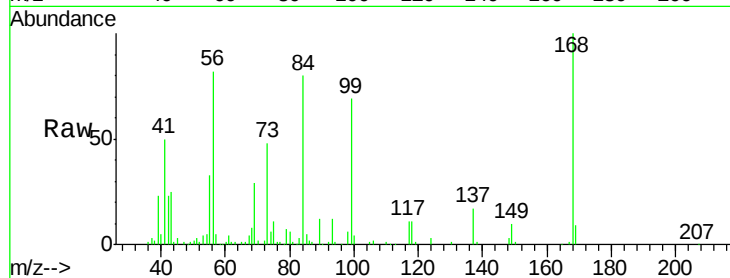
84 96.3 70.4 105.6

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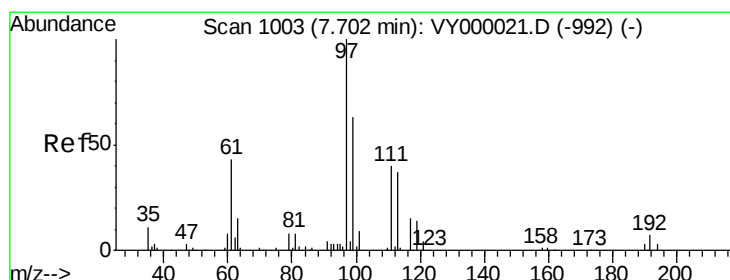
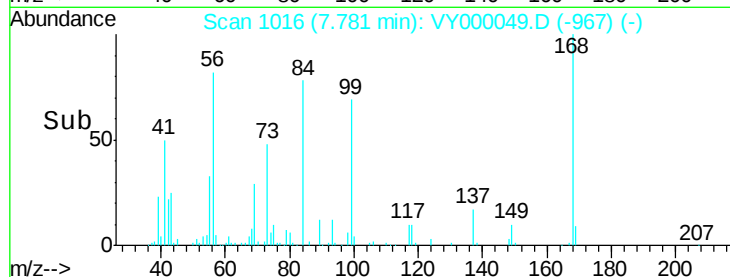
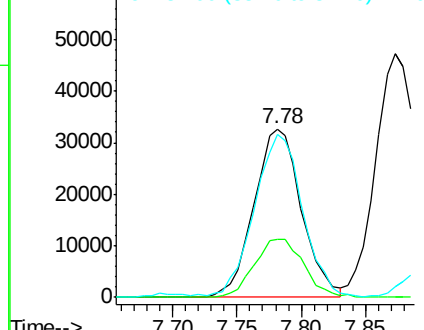


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.097 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

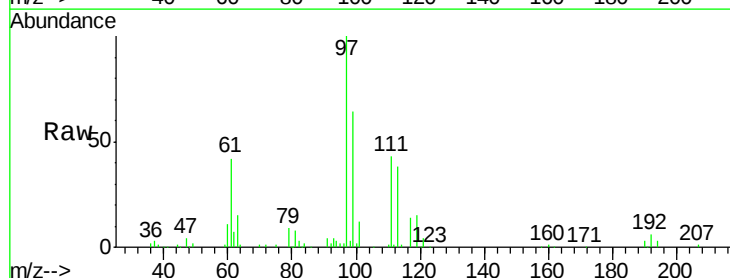
Tgt Ion: 97 Resp: 96131

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 44.5 35.7 53.5

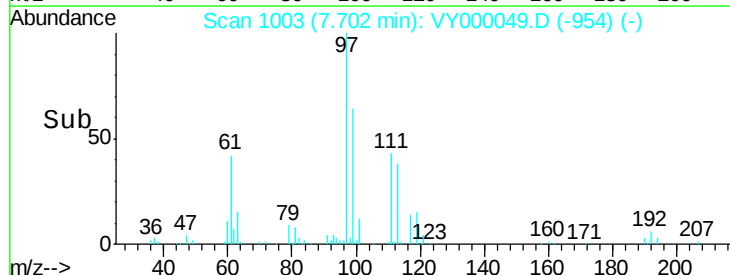
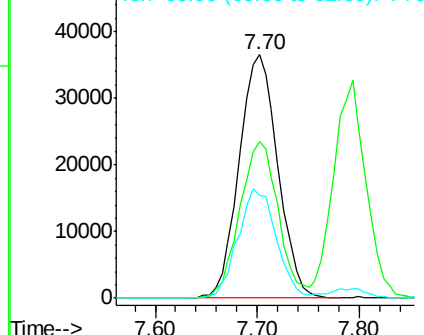


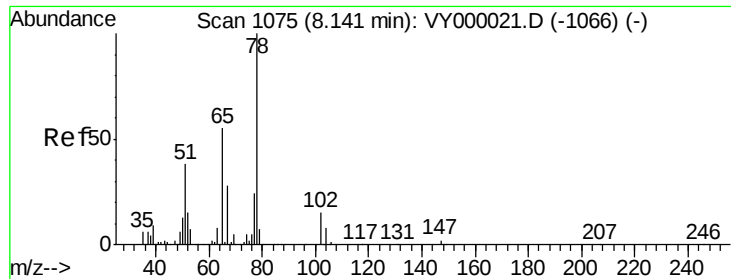
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 54.123 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 69272

Ion Ratio Lower Upper

65 100

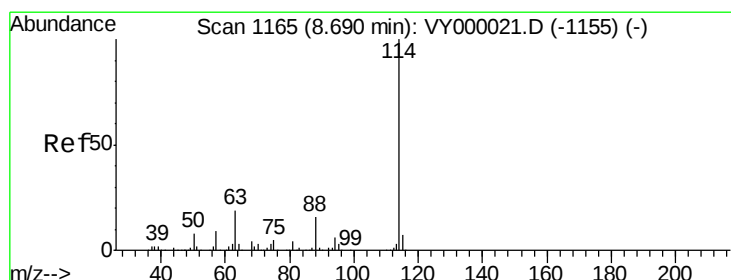
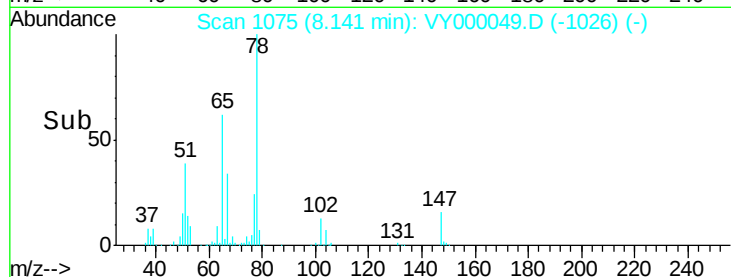
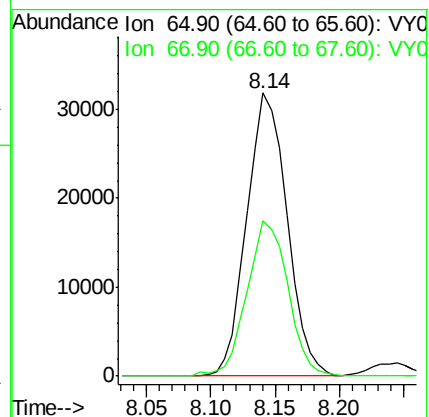
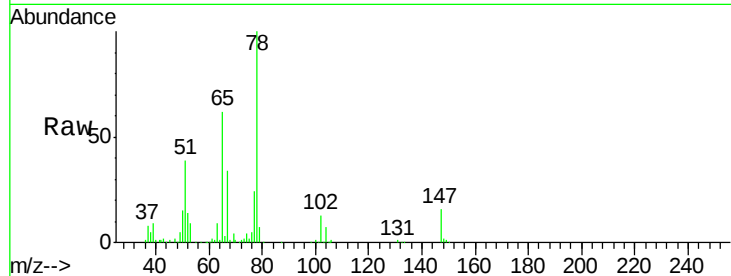
67 55.9 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

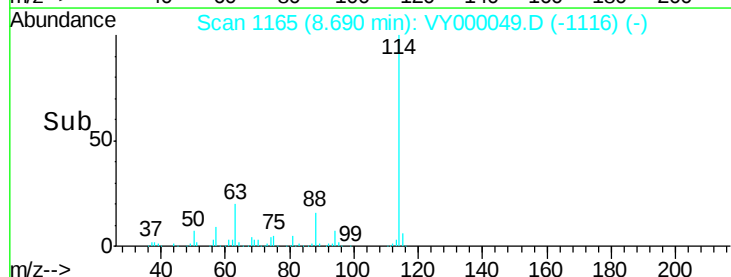
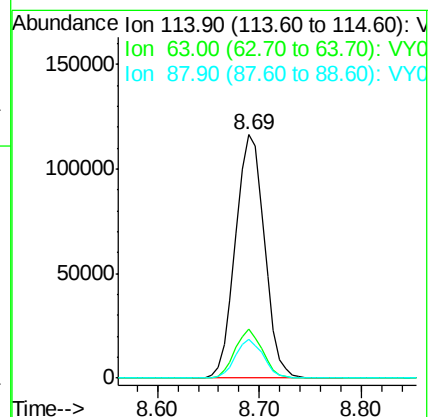
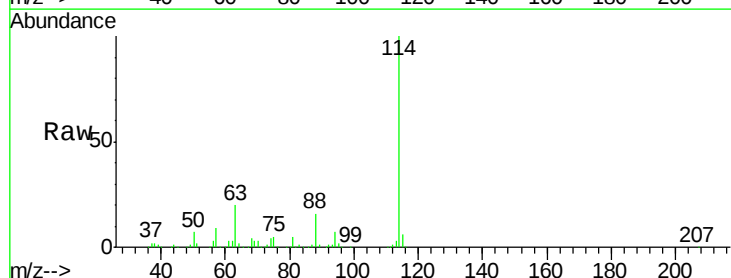
Tgt Ion: 114 Resp: 228324

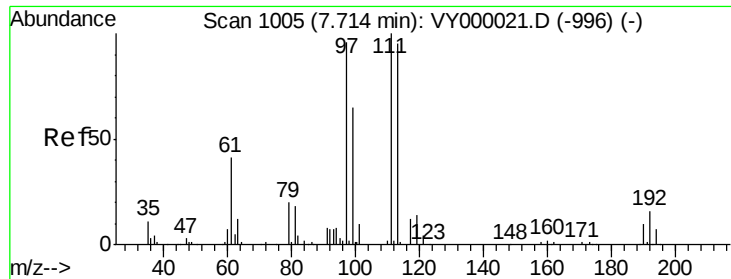
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 15.8 0.0 31.8





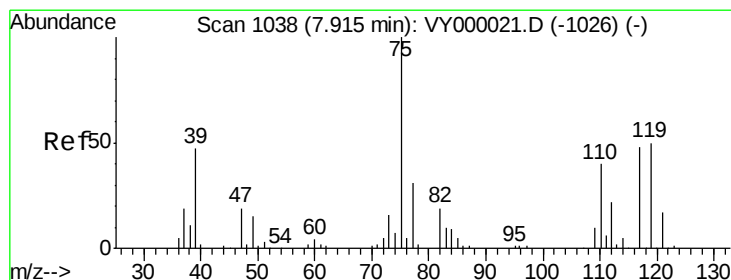
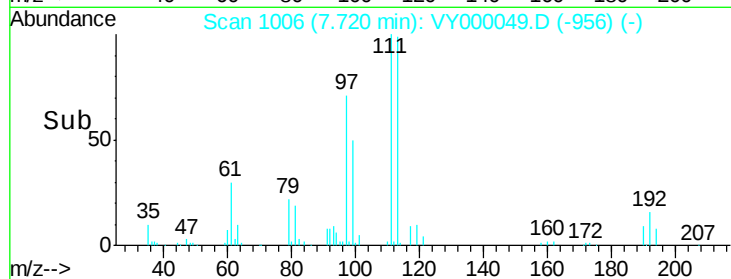
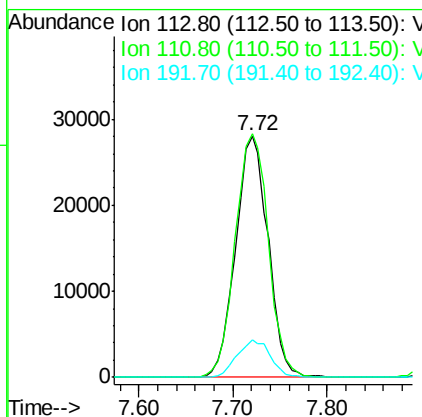
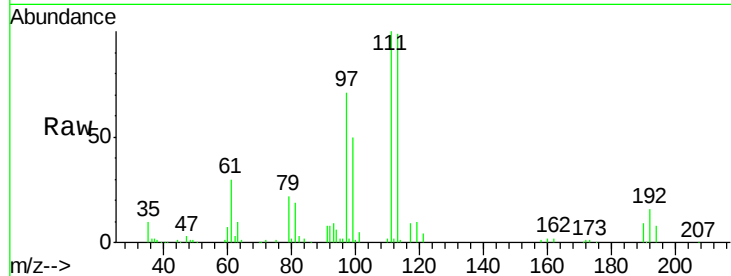
#35
 Dibromofluoromethane
 Concen: 51.533 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.9	125.9
192	15.9	14.5	21.7

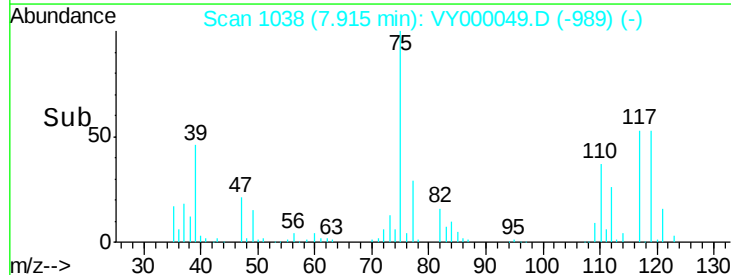
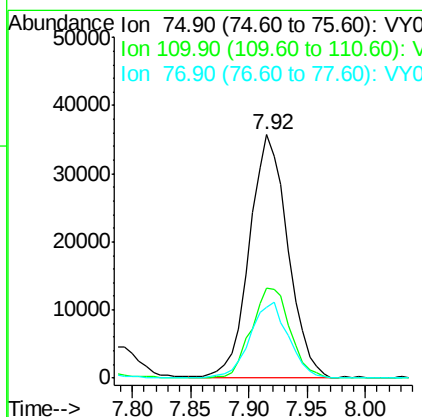
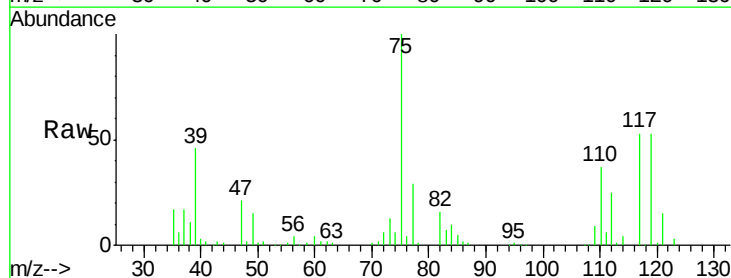
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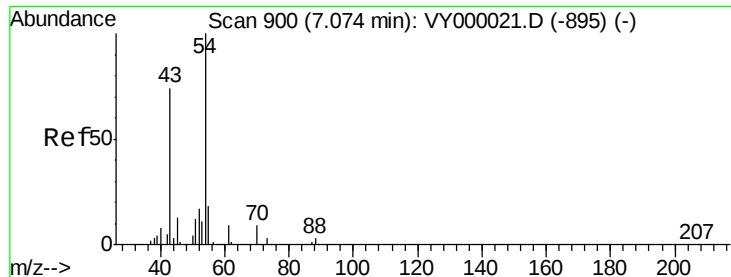
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#36
 1,1-Dichloropropene
 Concen: 48.514 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.6	55.8
77	31.5	24.4	36.6





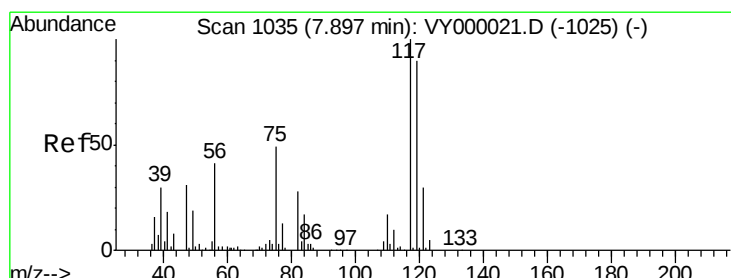
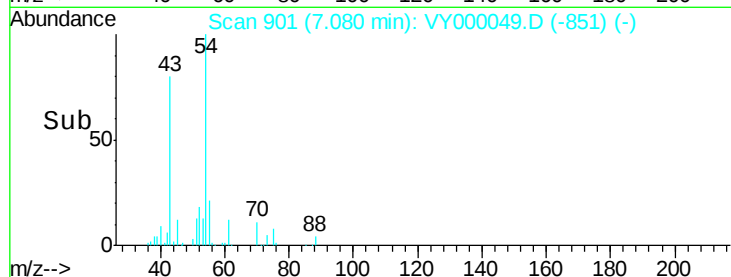
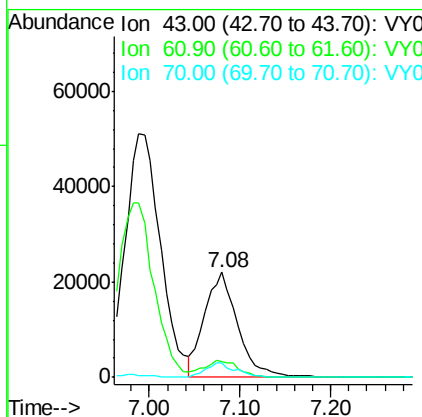
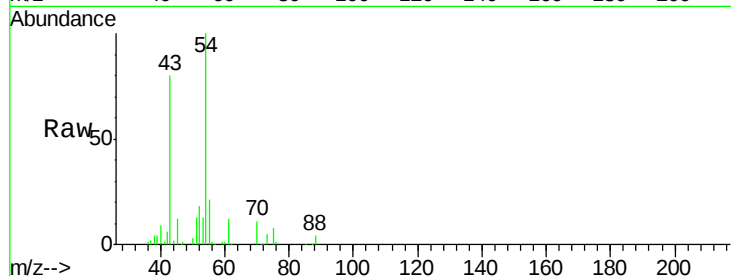
#37
Ethyl Acetate
Concen: 49.672 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	56152		
61	15.8		13.1	19.7
70	12.9		10.9	16.3

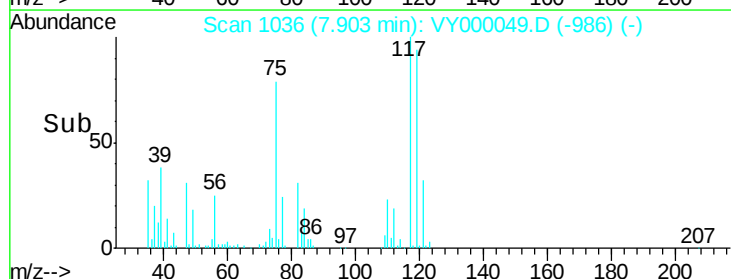
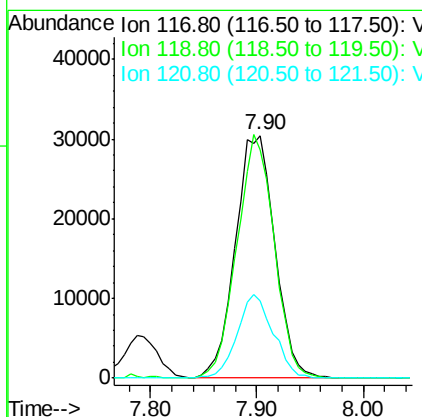
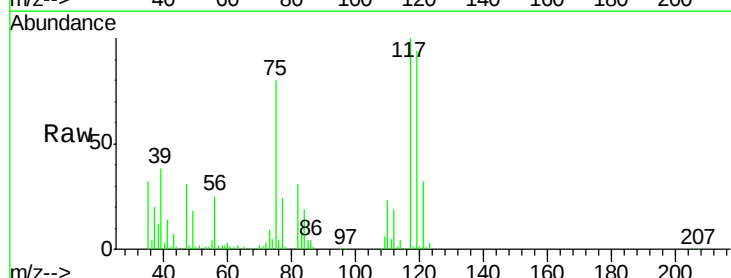
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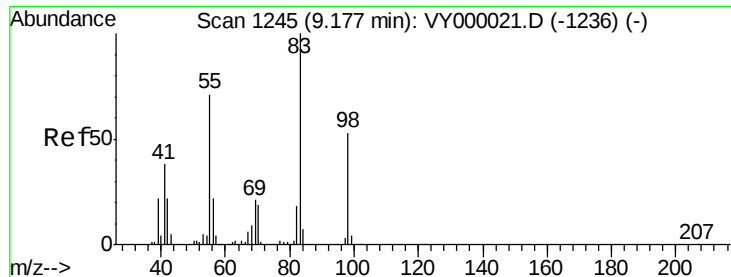
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#38
Carbon Tetrachloride
Concen: 50.258 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	79528		
119	94.1		72.1	108.1
121	31.6		23.9	35.9





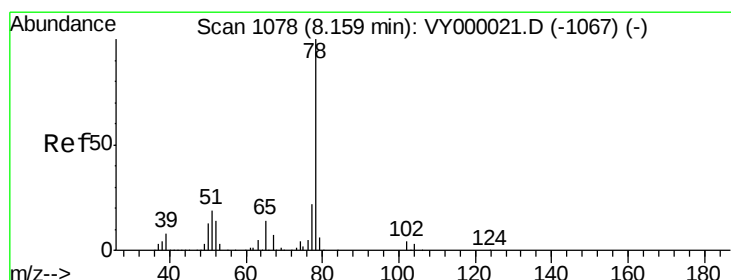
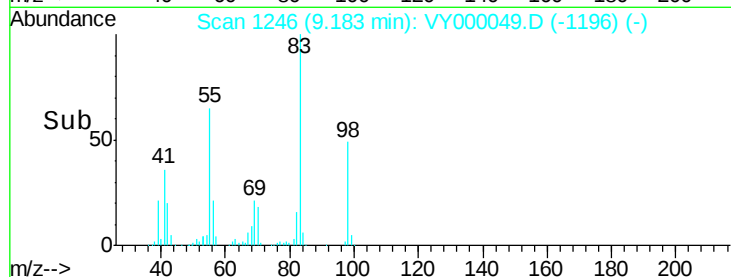
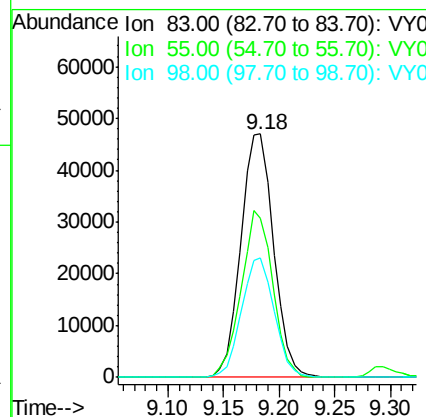
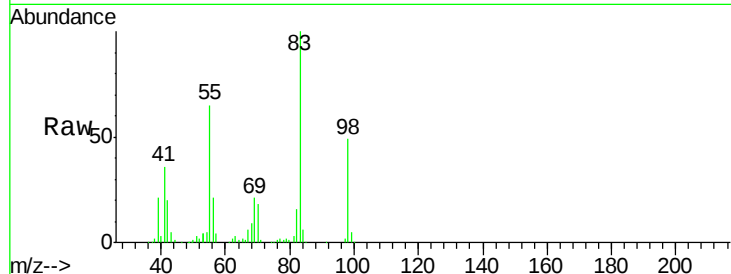
#39
Methvlcvclohexane
Concen: 46.365 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.2	57.0	85.4
98	49.2	42.0	63.0

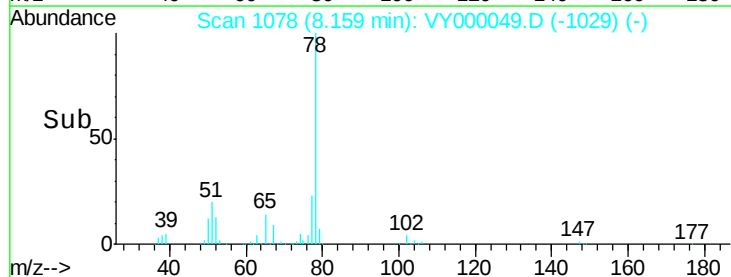
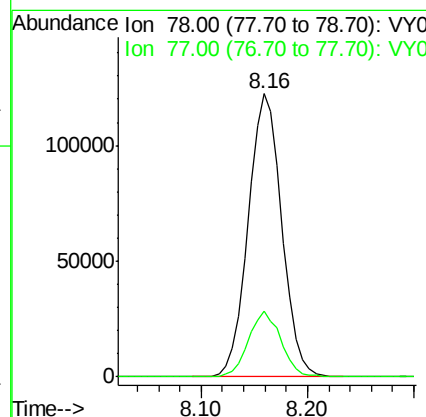
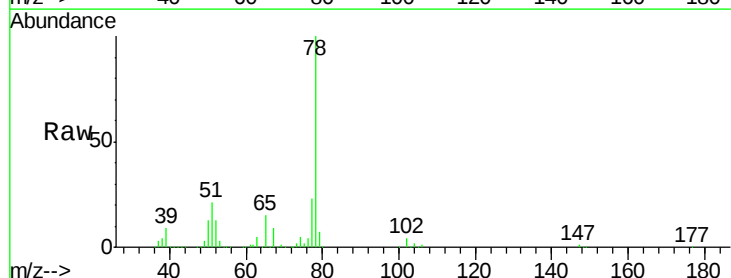
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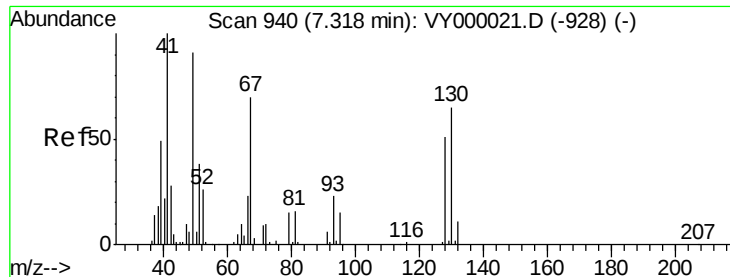
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#40
Benzene
Concen: 49.515 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.6





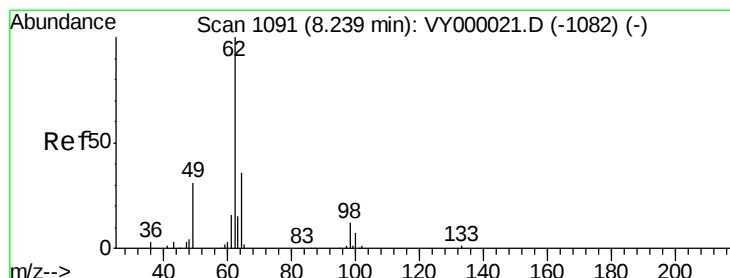
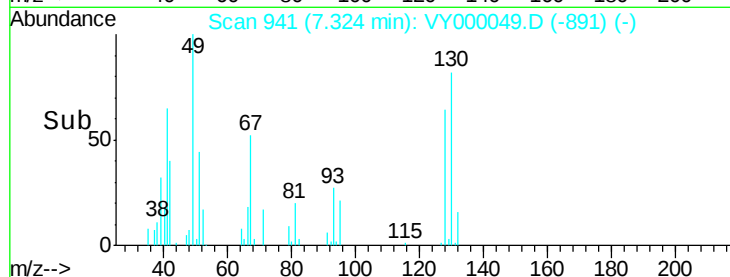
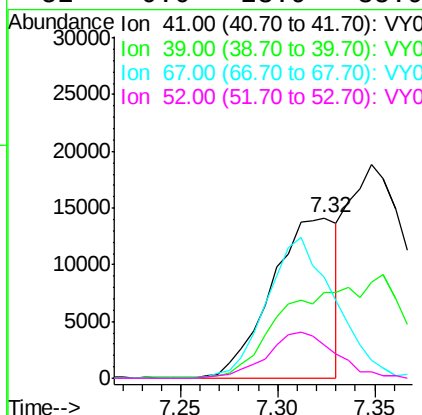
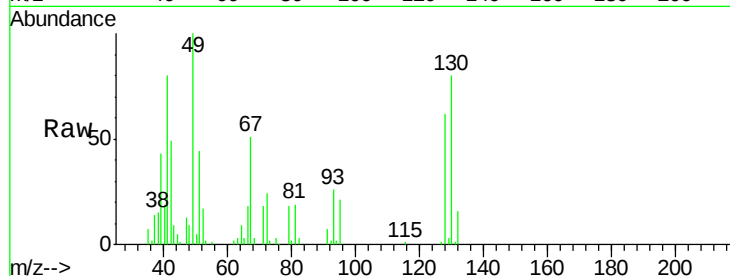
#41
Methacrylonitrile
Concen: 50.813 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	110.4	41.8	62.6#
67	0.0	65.8	98.6#
52	0.0	23.9	35.9#

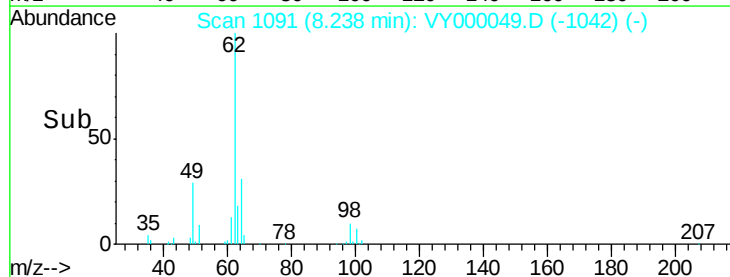
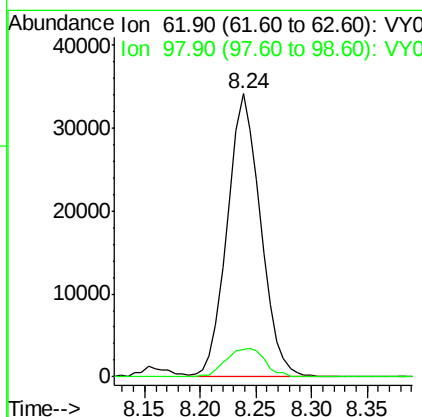
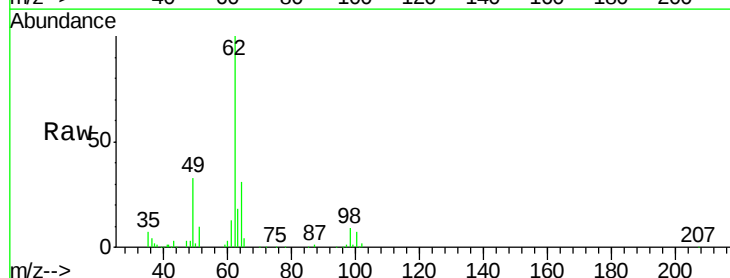
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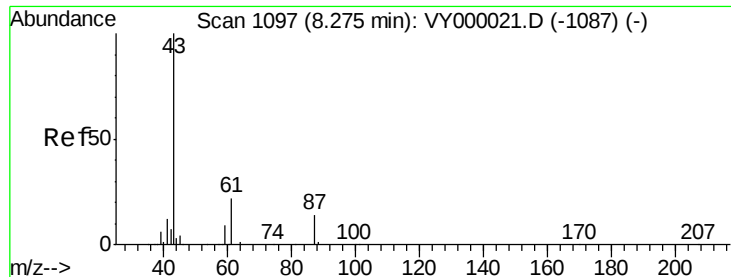
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#42
1,2-Dichloroethane
Concen: 50.692 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	23.2





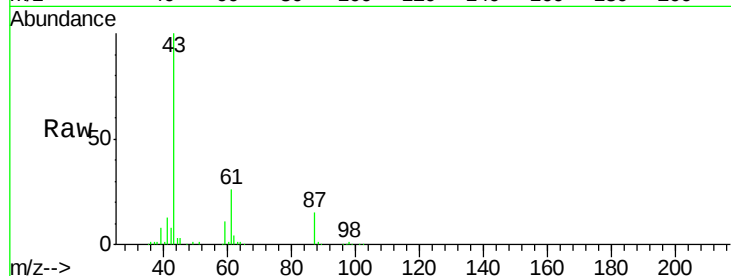
#43
Isopropyl Acetate
Concen: 49.064 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

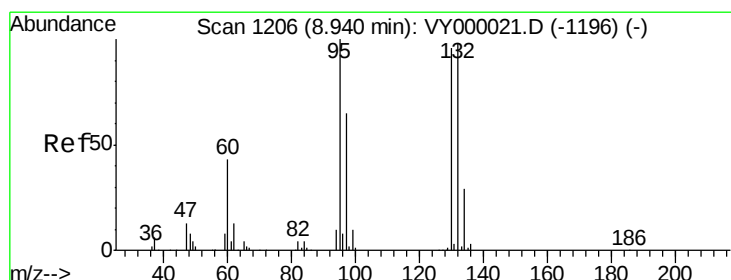
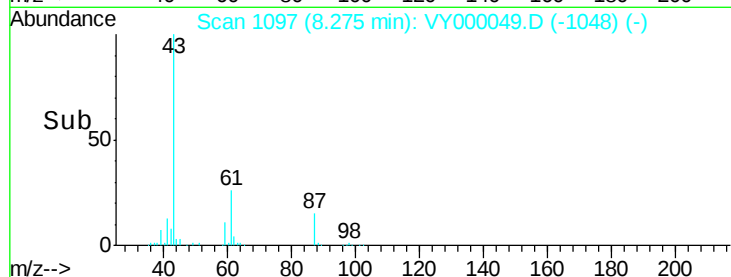
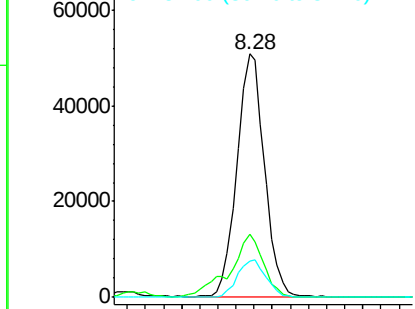
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	24.9	37.3
87	15.8	12.3	18.5

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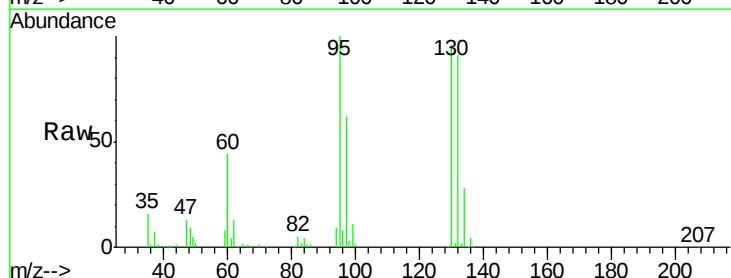


Abundance Ion 43.00 (42.70 to 43.70): VY000049.D (-1048) (-)
Ion 61.00 (60.70 to 61.70): VY000049.D (-1048) (-)
Ion 87.00 (86.70 to 87.70): VY000049.D (-1048) (-)

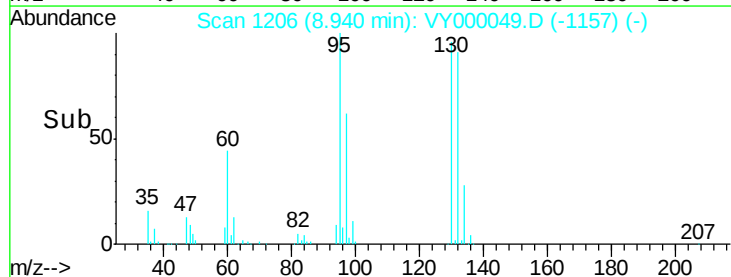
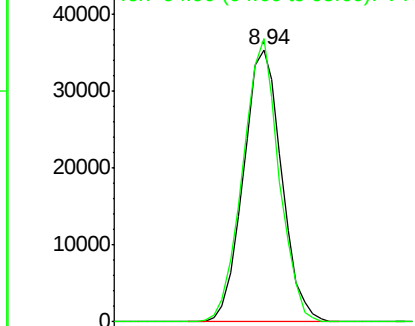


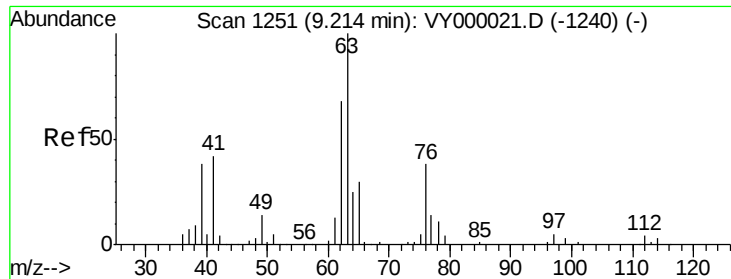
#44
Trichloroethene
Concen: 51.010 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000049.D (-1157) (-)
Ion 94.90 (94.60 to 95.60): VY000049.D (-1157) (-)





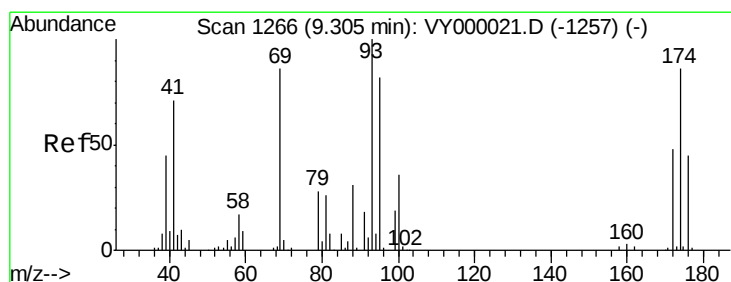
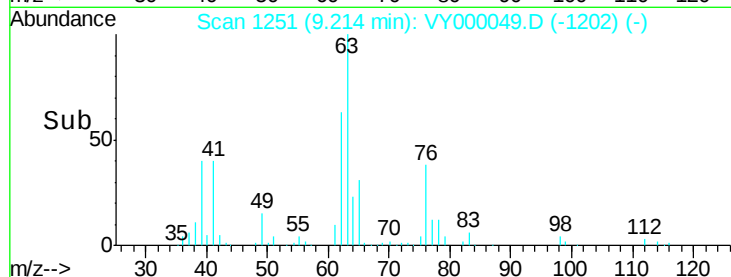
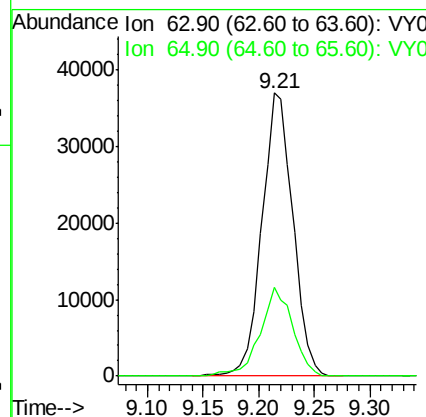
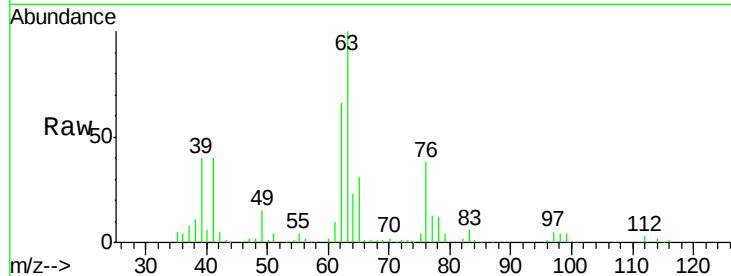
#45
 1,2-Dichloropropane
 Concen: 50.961 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 71719
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.1 36.1

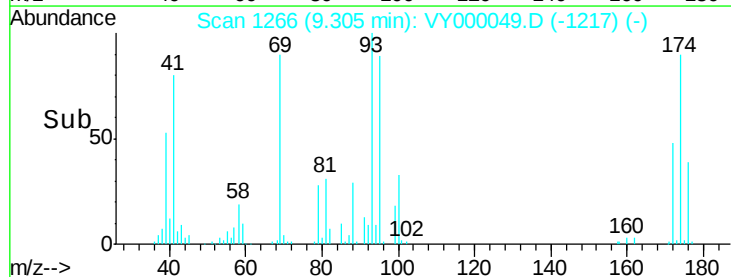
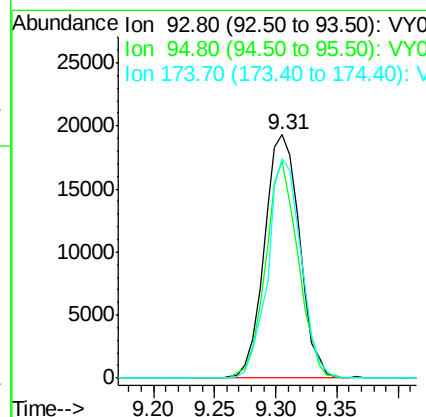
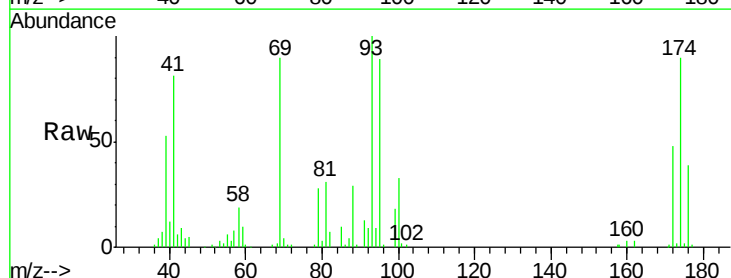
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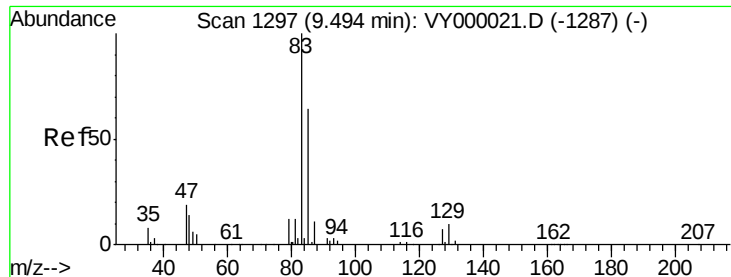
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 9/20/2019 1:02:24 AM



#46
 Dibromomethane
 Concen: 49.328 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion: 93 Resp: 38527
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.6
 174 84.8 68.8 103.2





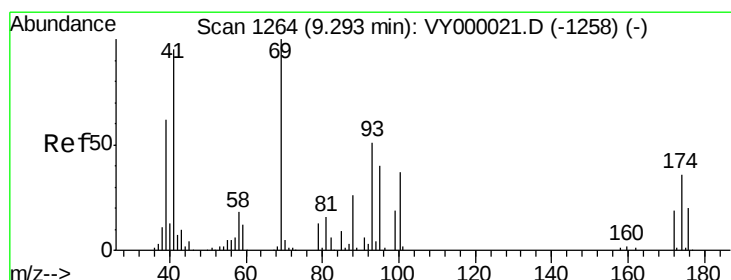
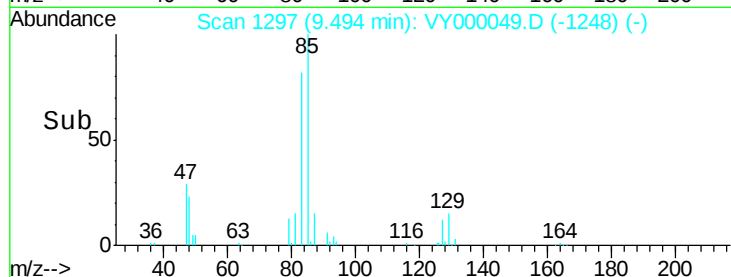
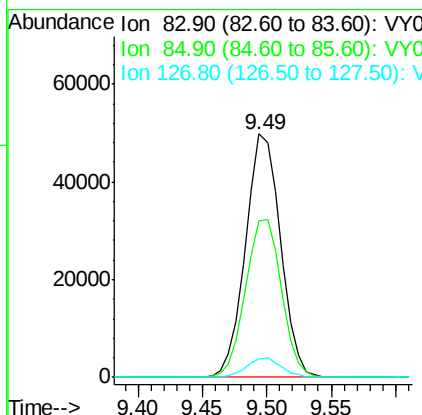
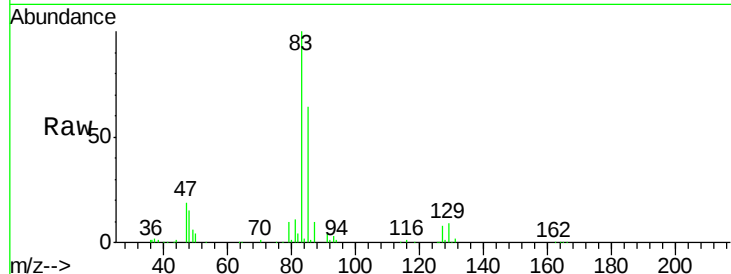
#47
Bromodichloromethane
Concen: 50.135 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	93474
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	7.5	5.4	8.2

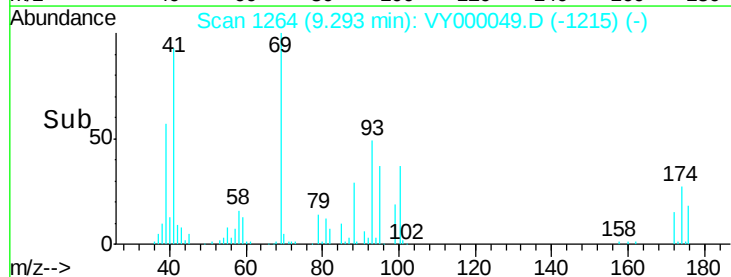
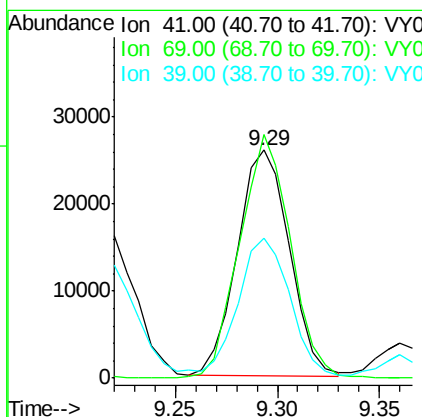
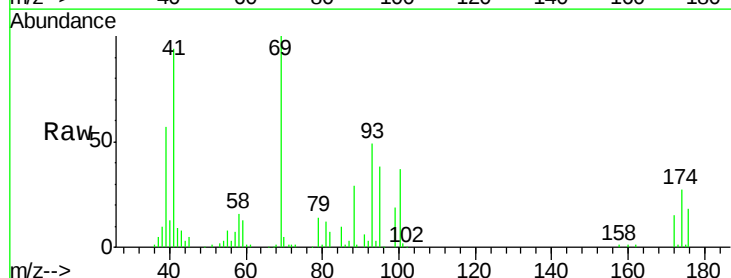
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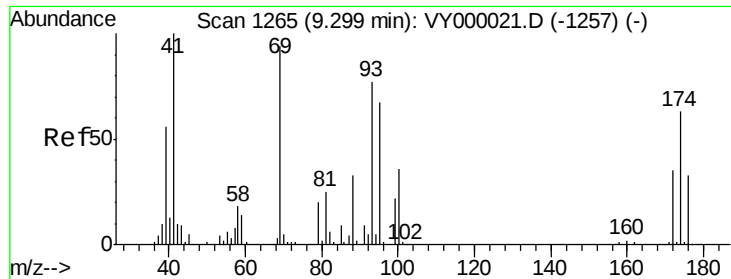
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#48
Methyl methacrylate
Concen: 47.343 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	41	Resp	45764
Ion Ratio	100	Lower	Upper
41	100		
69	105.8	79.7	119.5
39	62.6	48.6	72.8





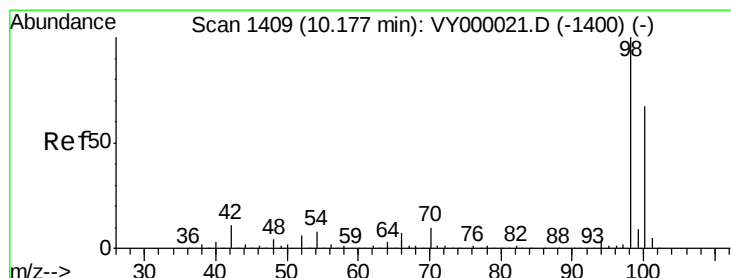
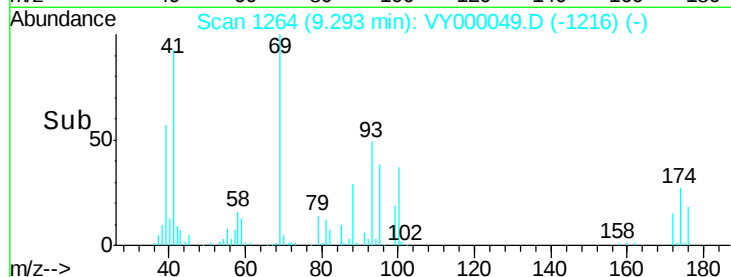
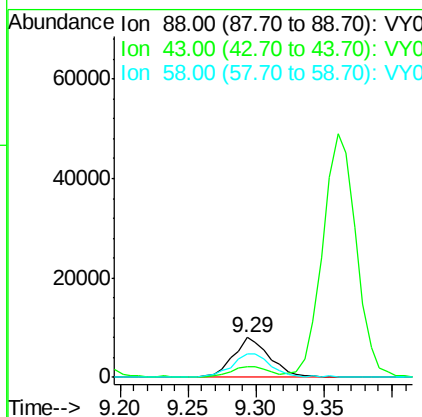
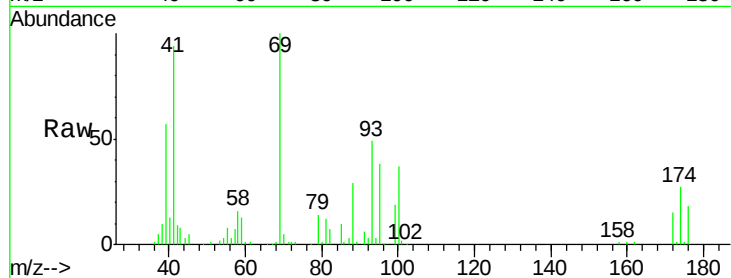
#49
 1,4-Dioxane
 Concen: 918.575 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	24.6	37.0
58	65.1	52.7	79.1

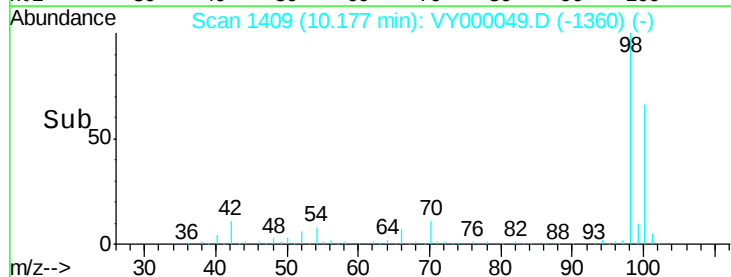
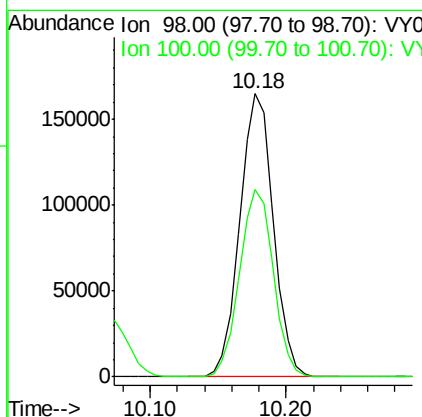
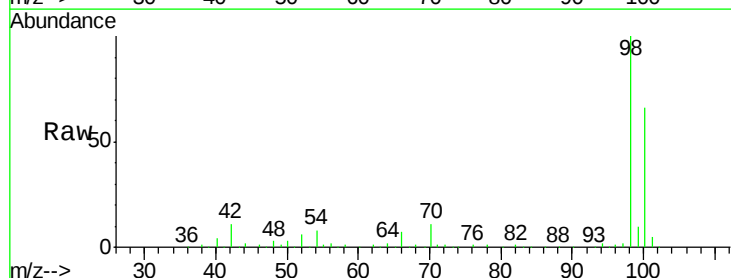
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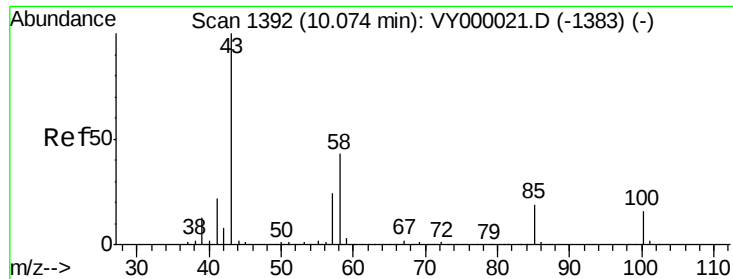
MMDadoda
 9/20/2019 1:02:24 AM



#50
 Toluene-d8
 Concen: 53.689 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 247.002 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 303191

Ion Ratio Lower Upper

43 100

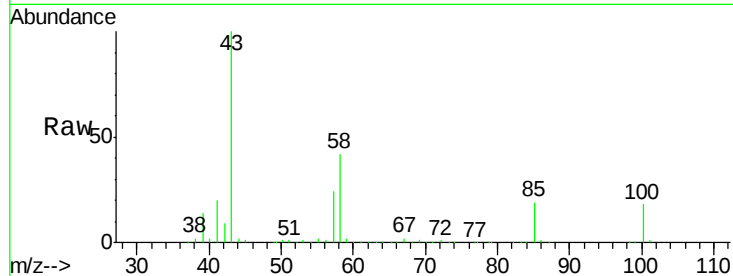
58 43.3 34.1 51.1

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

200000

150000

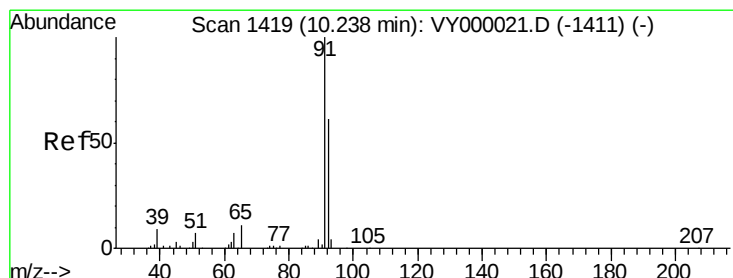
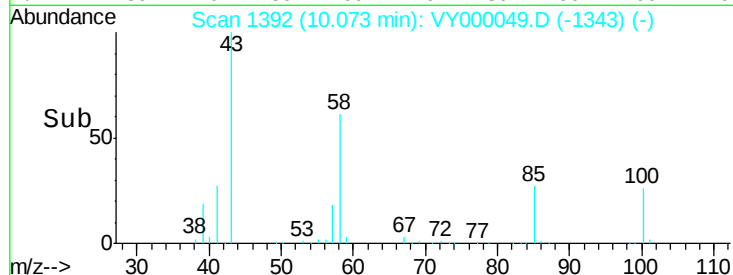
100000

50000

0

10.00 10.10

Time-->



#52

Toluene

Concen: 49.848 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000049.D

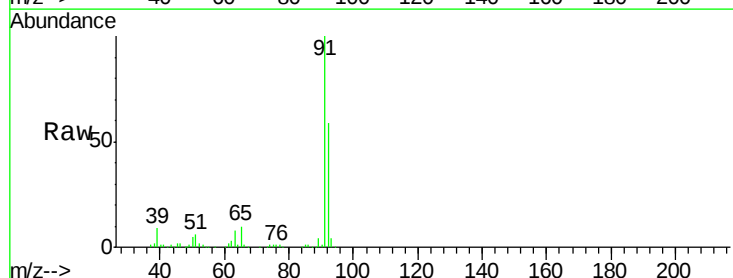
Acq: 16 Sep 2019 16:39

Tgt Ion: 92 Resp: 170957

Ion Ratio Lower Upper

92 100

91 169.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

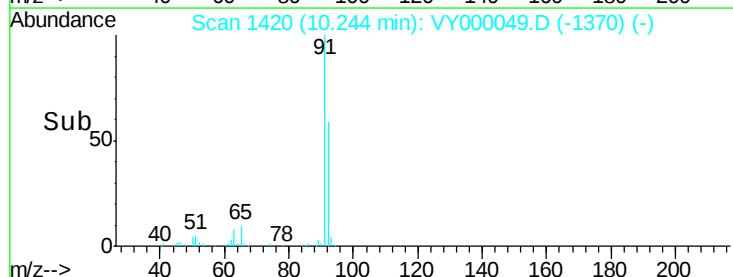
100000

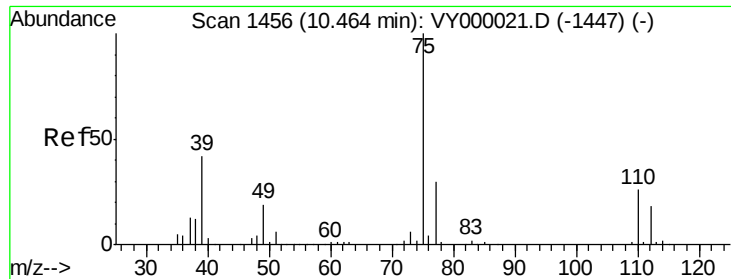
50000

0

10.20 10.30

Time-->





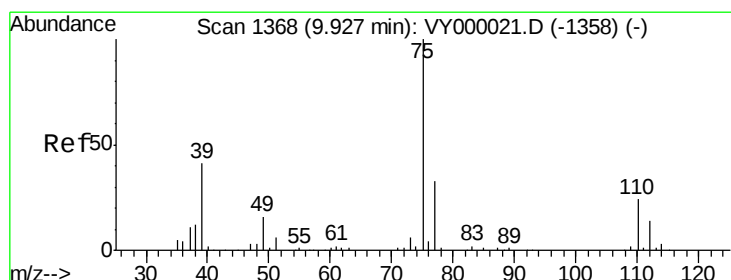
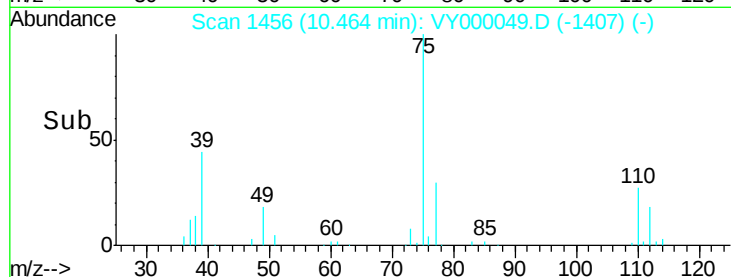
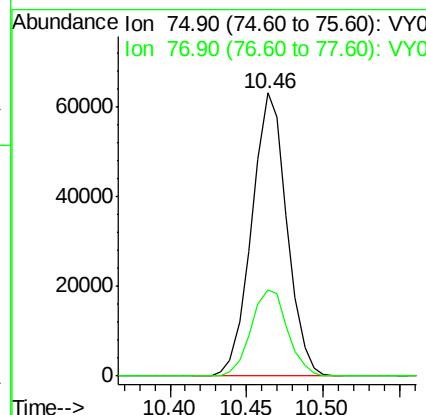
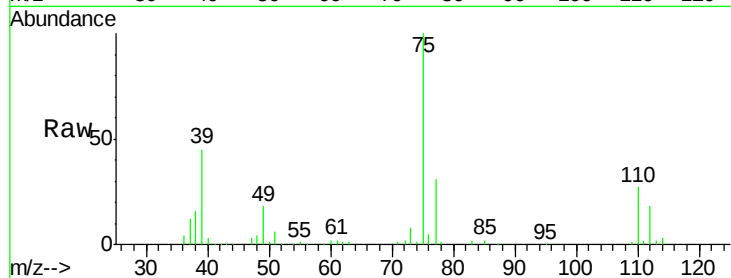
#53
 t-1,3-Dichloropropene
 Concen: 51.276 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 75 Resp: 100516
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.8 35.8

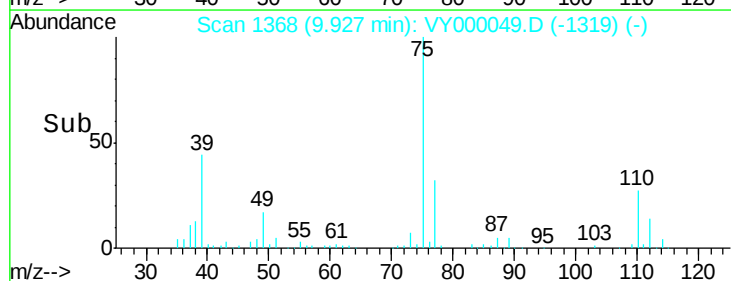
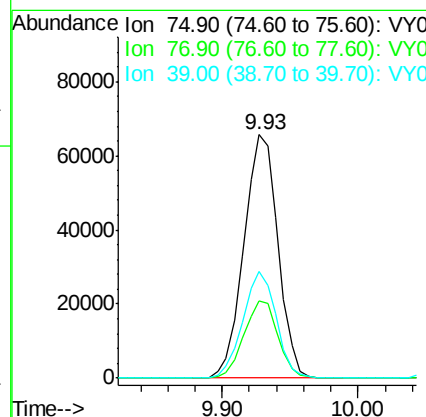
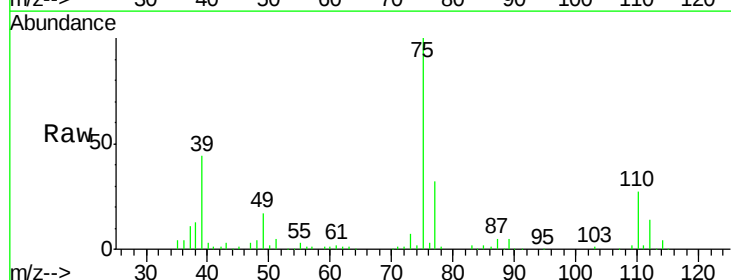
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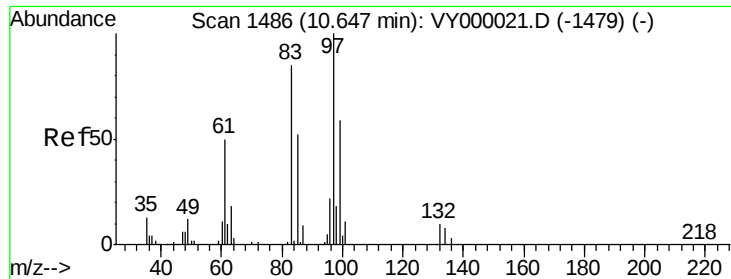
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#54
 cis-1,3-Dichloropropene
 Concen: 50.493 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion: 75 Resp: 115176
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.3 39.5
 39 43.9 32.9 49.3





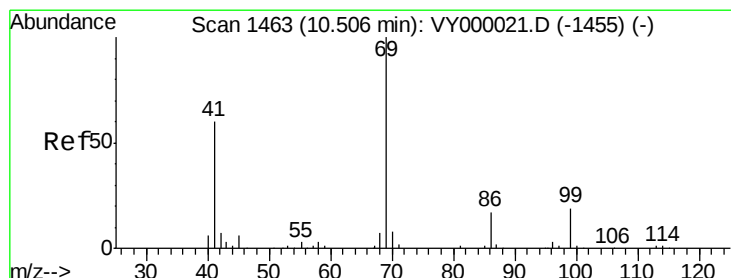
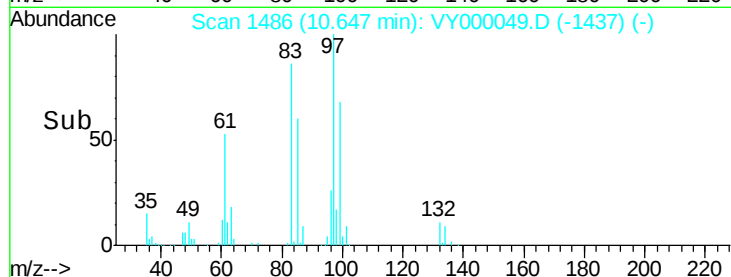
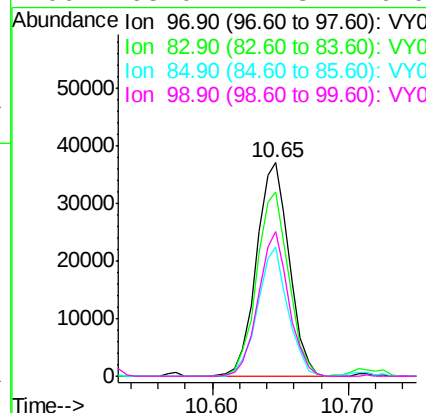
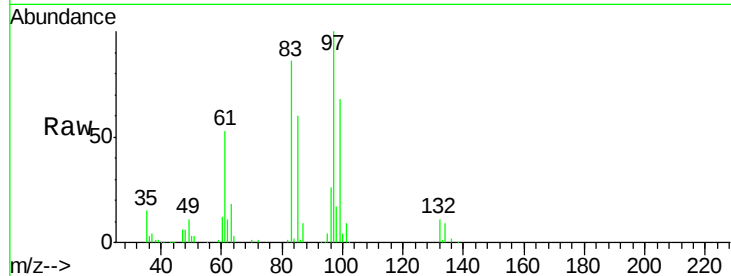
#55
 1,1,2-Trichloroethane
 Concen: 50.428 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	62416
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.2
85	60.4	41.7	62.5
99	68.0	47.3	70.9

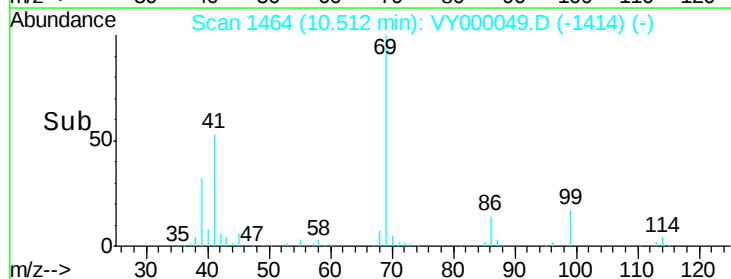
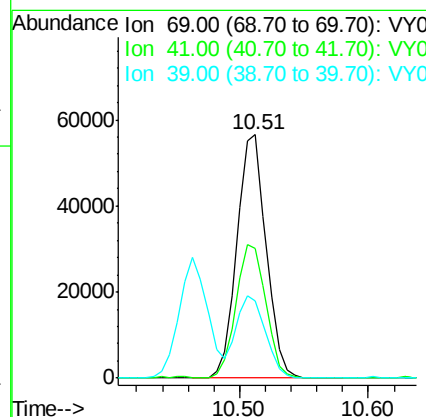
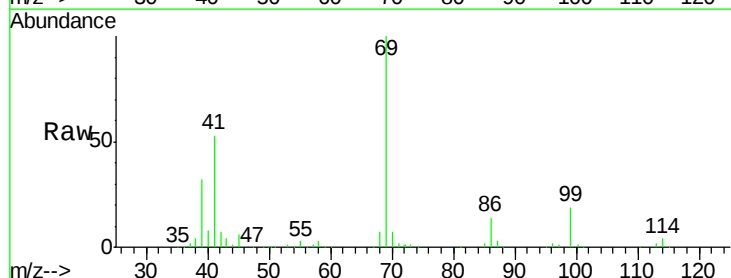
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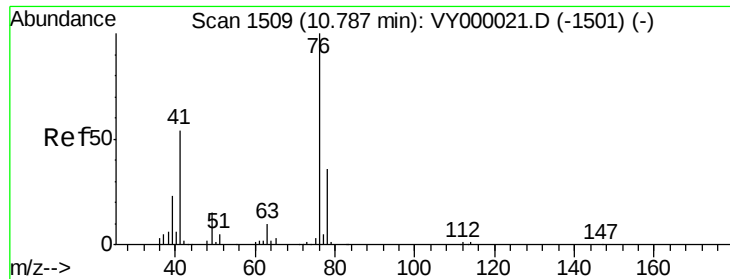
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#56
 Ethyl methacrylate
 Concen: 51.404 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion:	69	Resp:	89290
Ion	Ratio	Lower	Upper
69	100		
41	56.2	47.0	70.4
39	33.9	26.4	39.6





#57

1,3-Dichloropropane

Concen: 51.768 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 102471

Ion Ratio Lower Upper

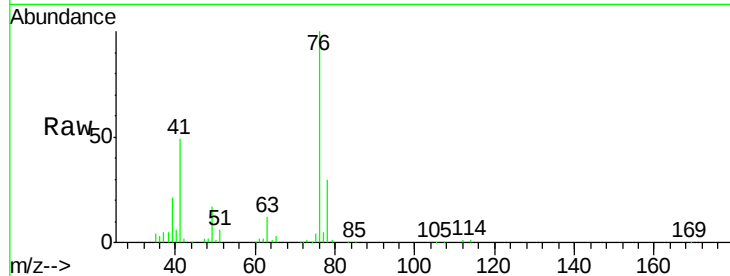
76 100

78 31.7 26.0 39.0

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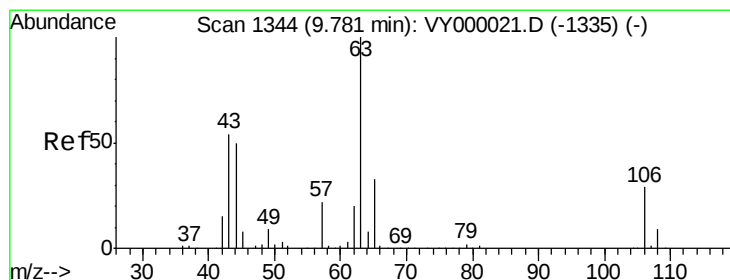
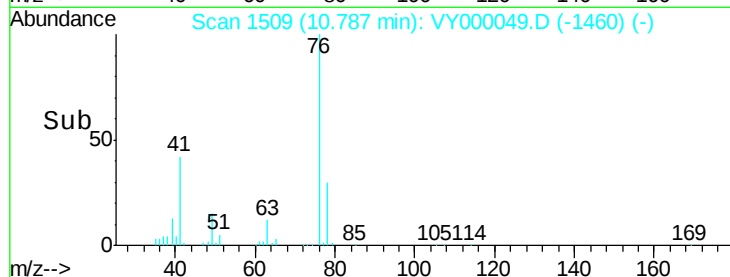
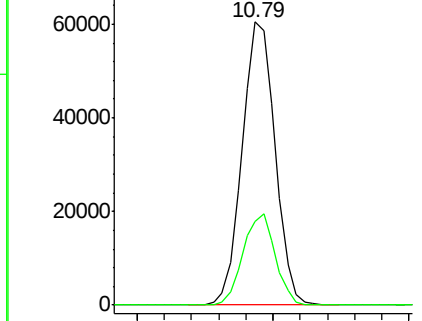
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 255.711 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000049.D

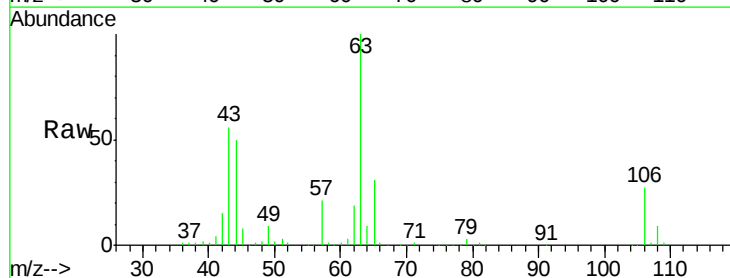
Acq: 16 Sep 2019 16:39

Tgt Ion: 63 Resp: 243309

Ion Ratio Lower Upper

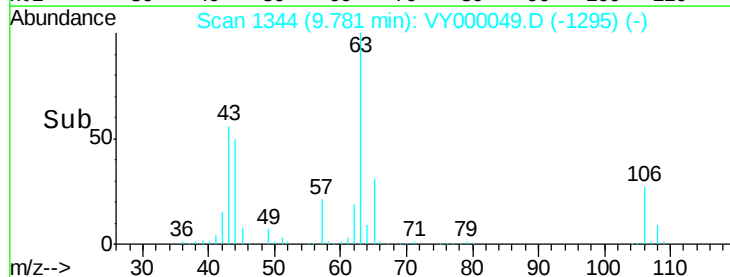
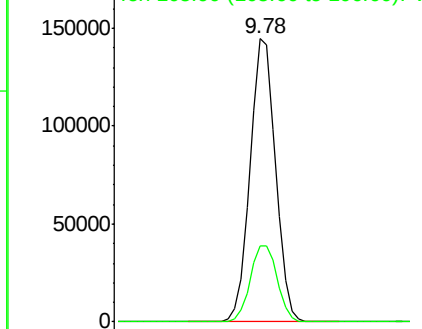
63 100

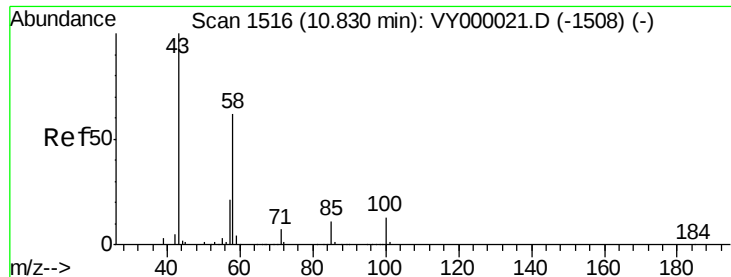
106 28.8 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





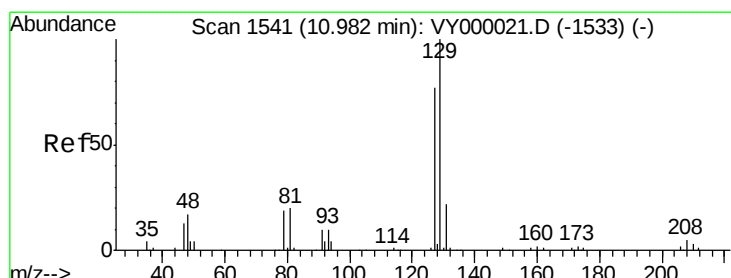
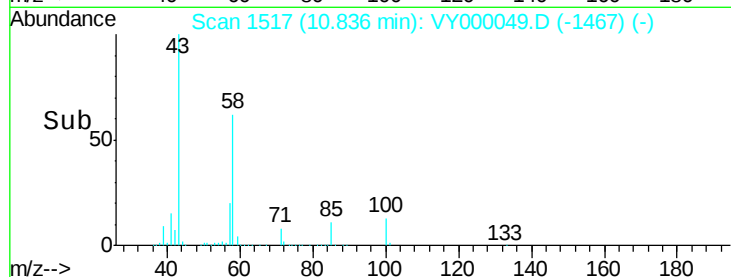
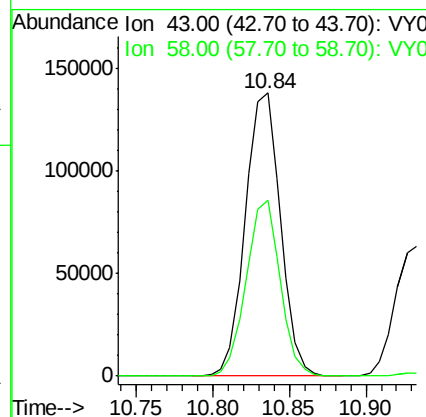
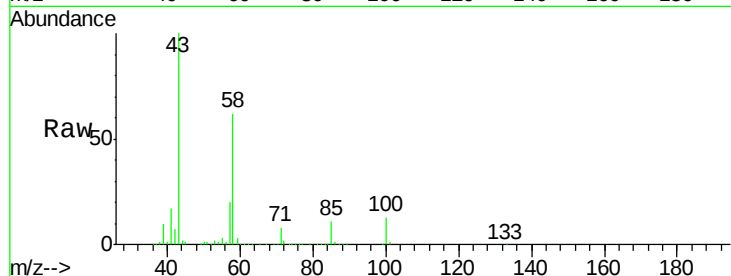
#59
2-Hexanone
Concen: 249.795 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	220959
Ion Ratio	43	100	
Lower	58	59.9	30.3
Upper			90.8

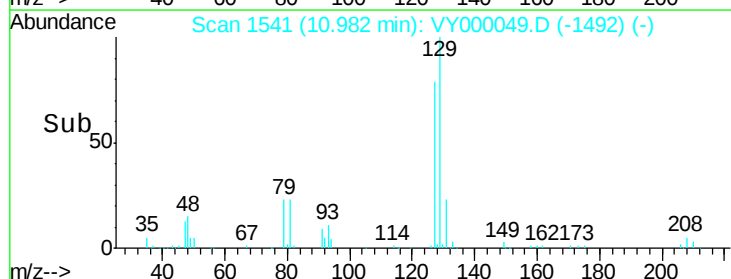
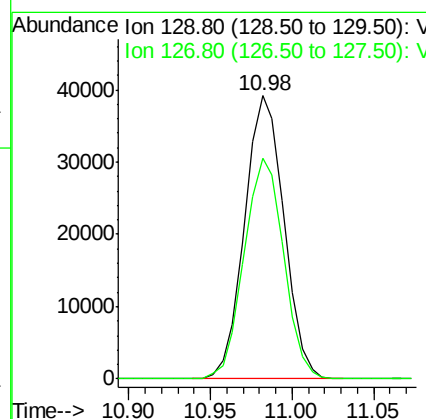
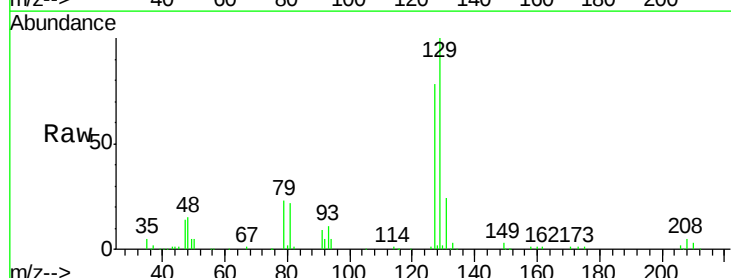
Manual Integrations
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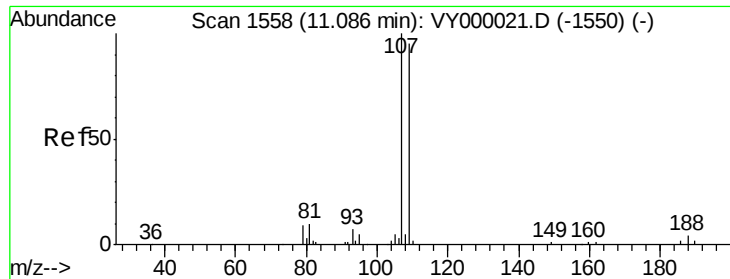
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#60
Dibromochloromethane
Concen: 50.323 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	129	Resp	65629
Ion Ratio	129	100	
Lower	127	78.4	38.4
Upper			115.2





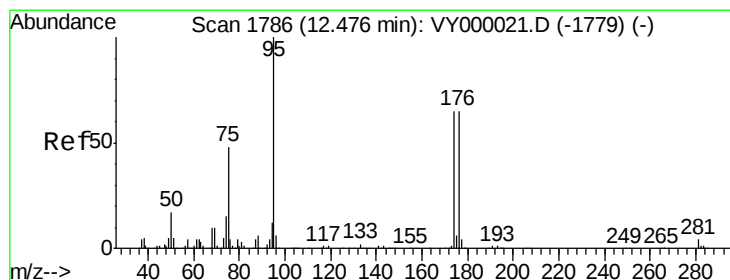
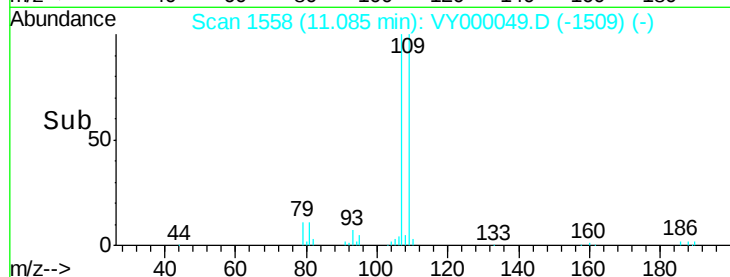
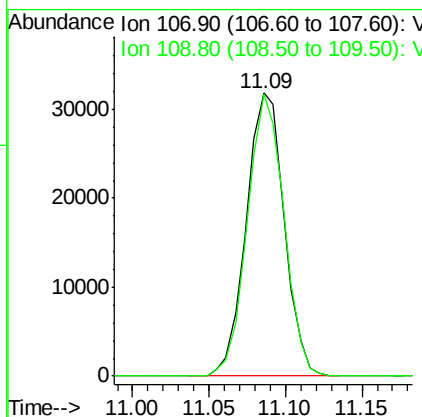
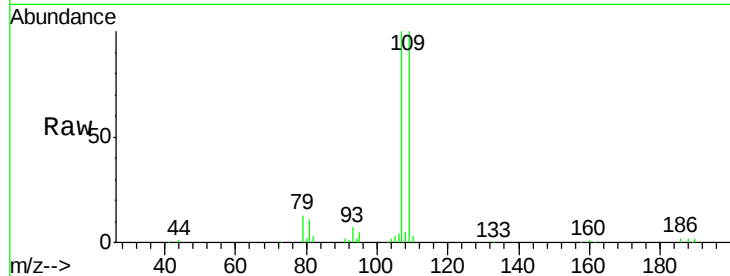
#61
 1,2-Dibromoethane
 Concen: 50.265 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.7	115.1

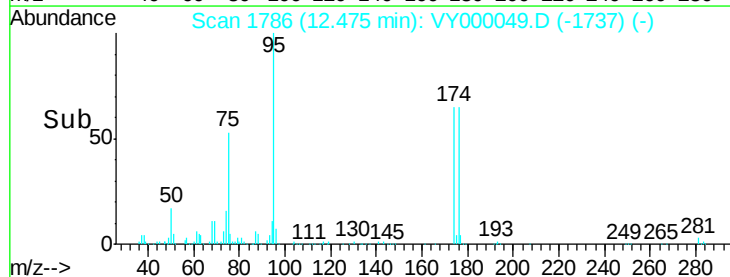
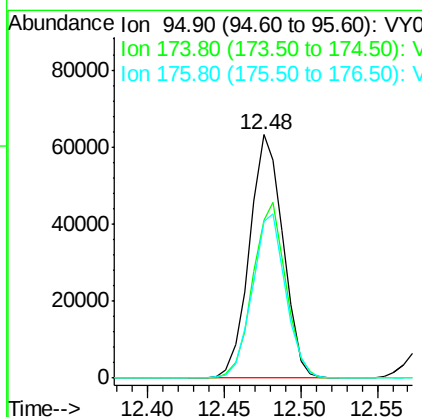
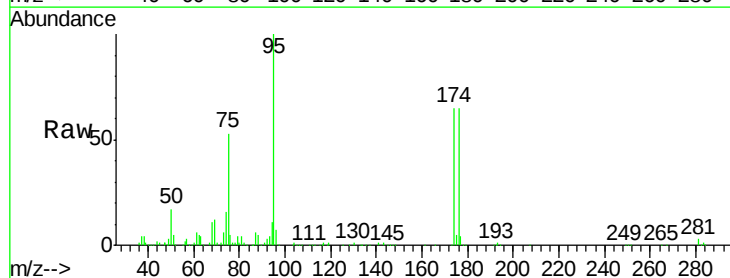
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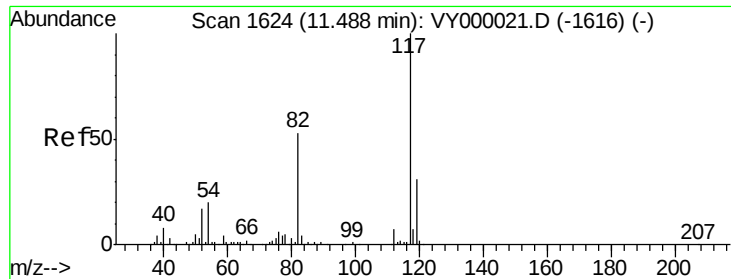
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#62
 4-Bromofluorobenzene
 Concen: 50.101 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	137.6
176	67.2	0.0	134.8





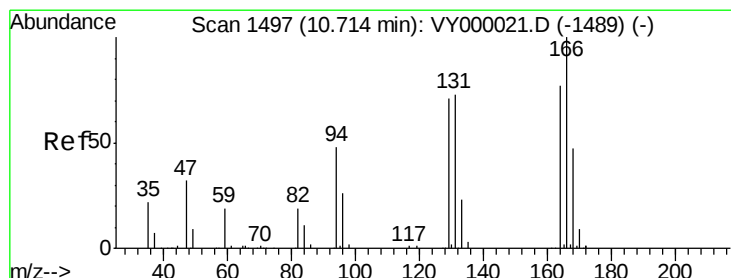
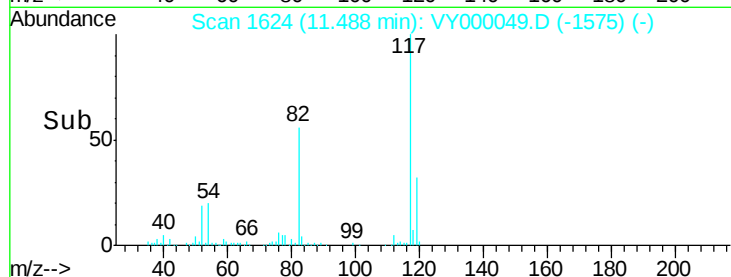
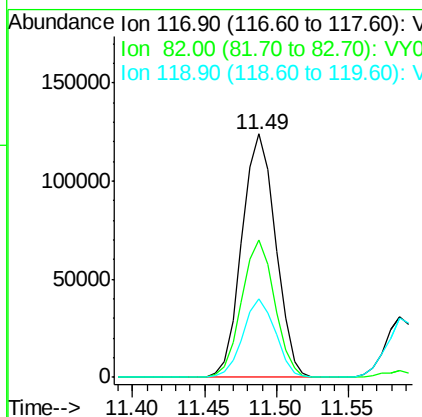
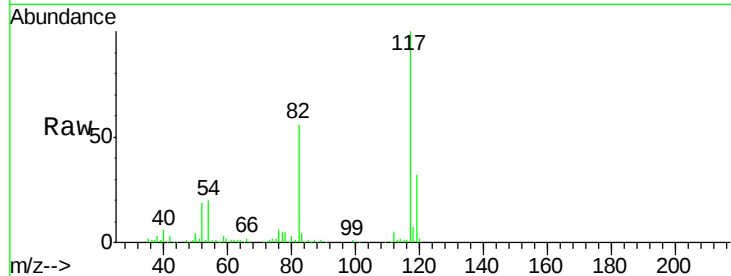
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	200945		
82	56.4		42.5	63.7
119	32.0		25.1	37.7

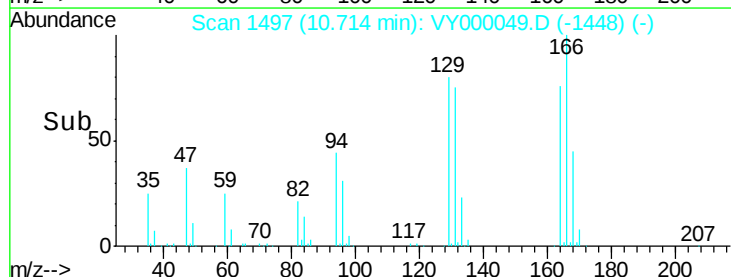
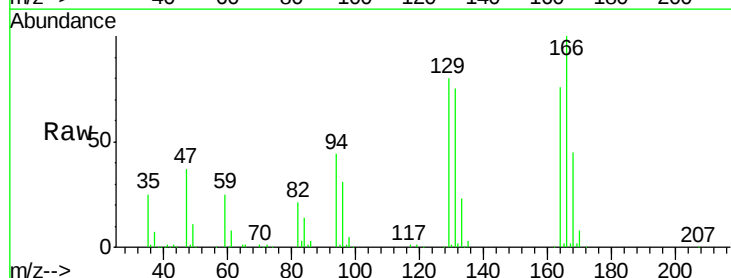
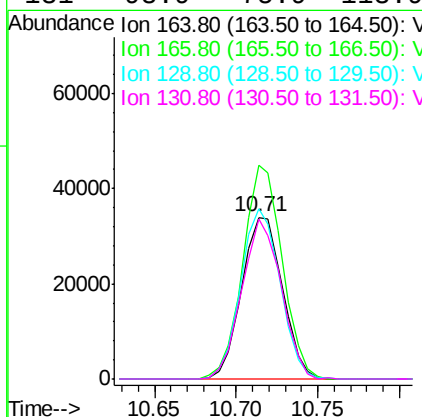
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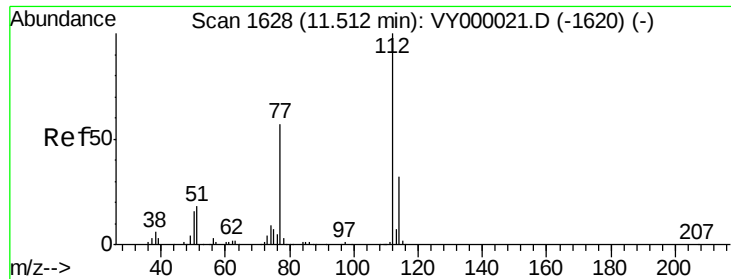
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#64
Tetrachloroethene
Concen: 48.038 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59195		
166	132.0		103.4	155.0
129	105.5		73.4	110.0
131	98.9		75.9	113.9





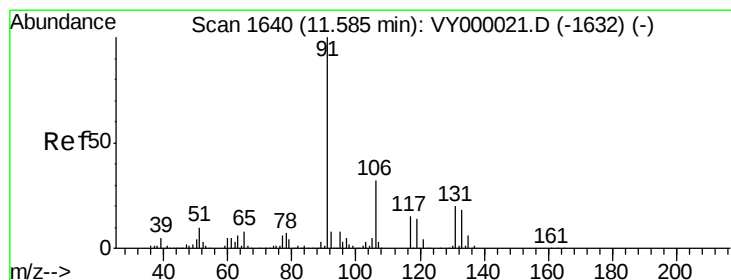
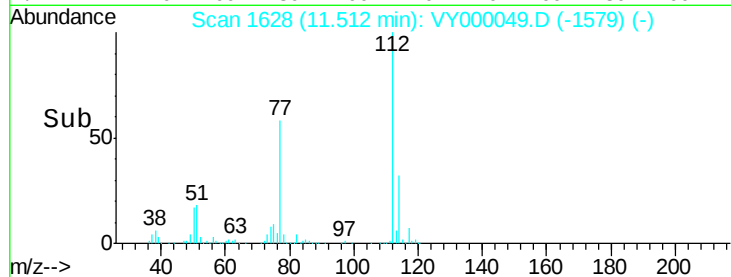
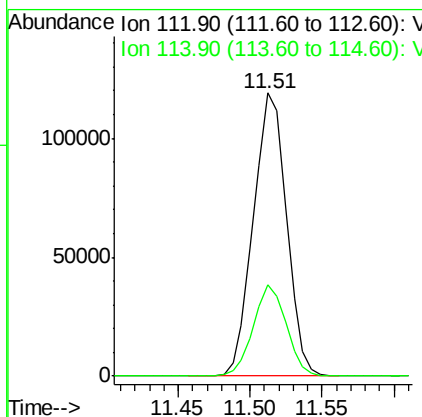
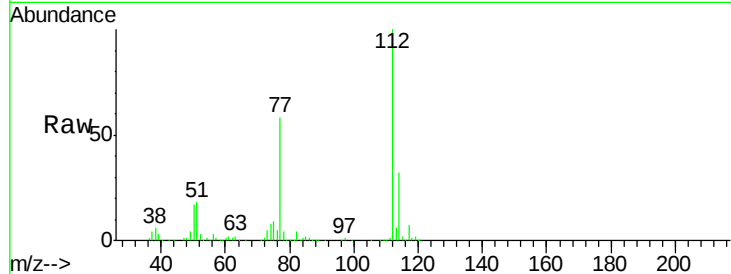
#65
Chlorobenzene
Concen: 49.476 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

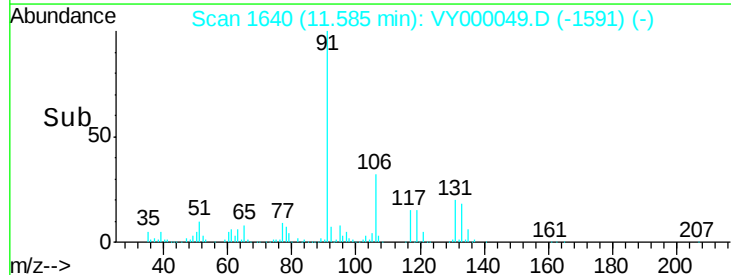
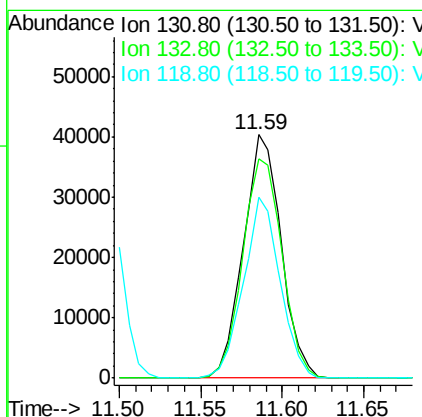
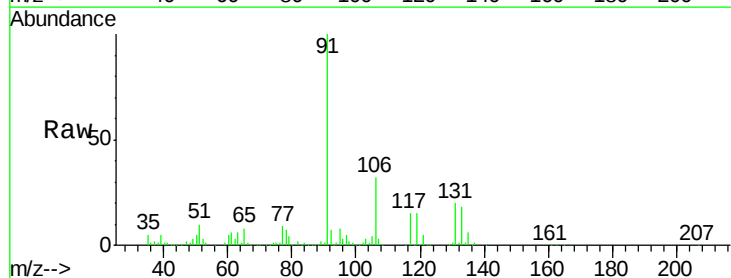
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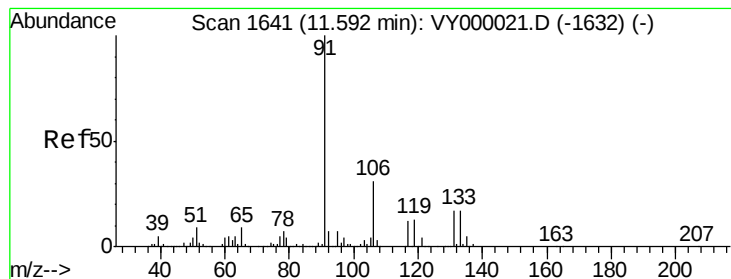
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.154 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.2	141.6
119	72.0	35.4	106.3





#67

Ethyl Benzene

Concen: 48.356 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 336369

Ion Ratio Lower Upper

91 100

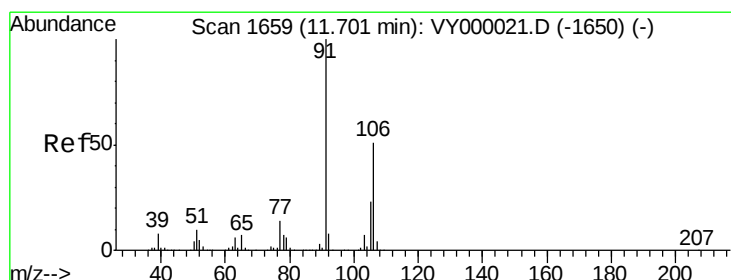
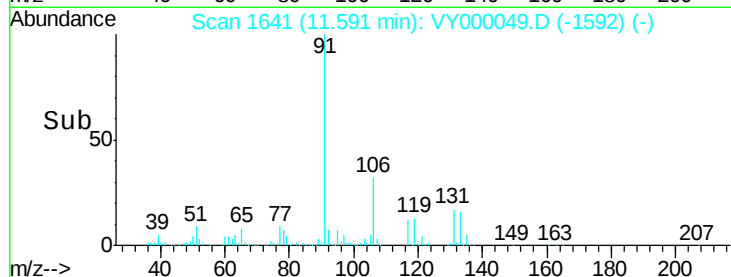
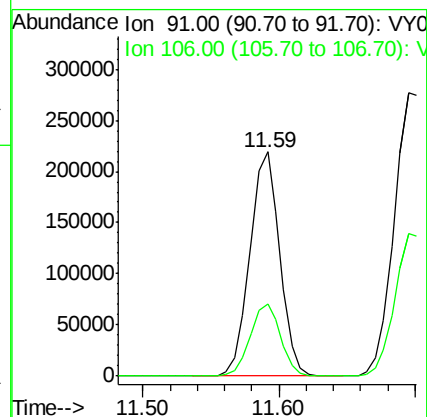
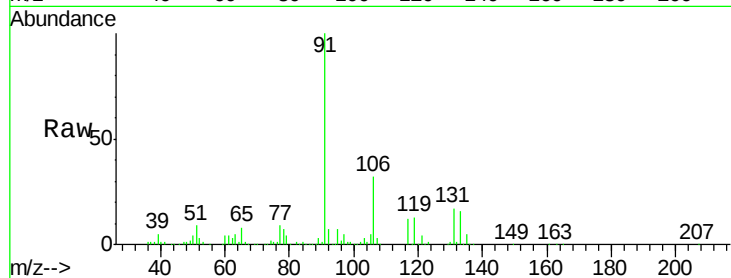
106 32.4 24.6 37.0

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#68

m/p-Xylenes

Concen: 98.539 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000049.D

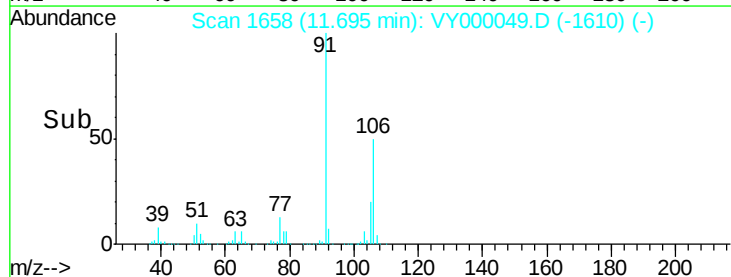
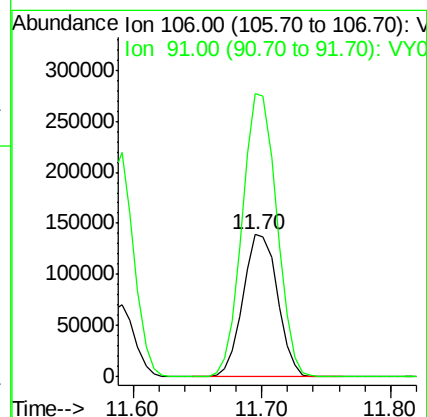
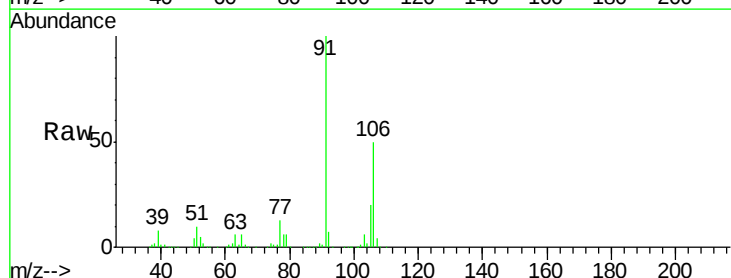
Acq: 16 Sep 2019 16:39

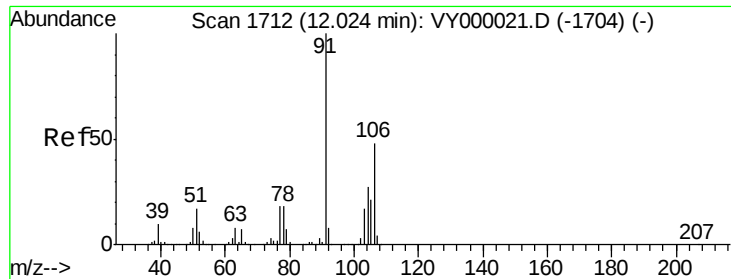
Tgt Ion: 106 Resp: 258658

Ion Ratio Lower Upper

106 100

91 198.3 158.5 237.7





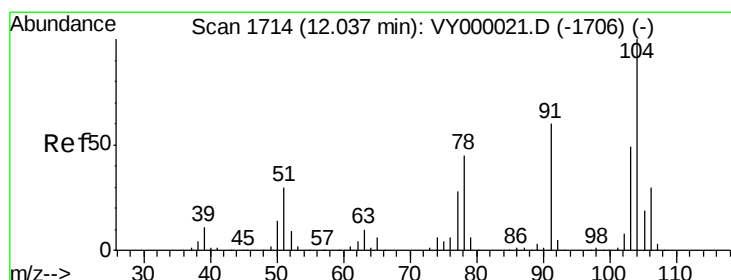
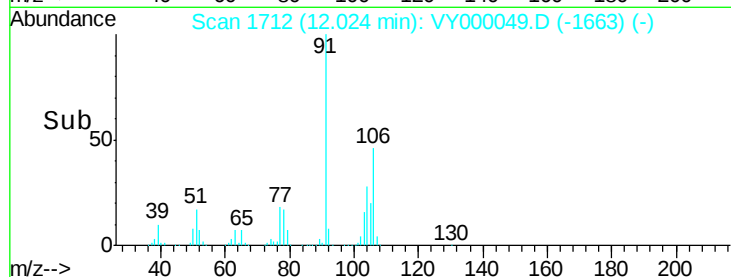
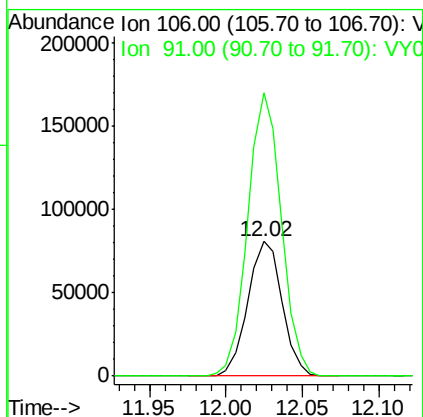
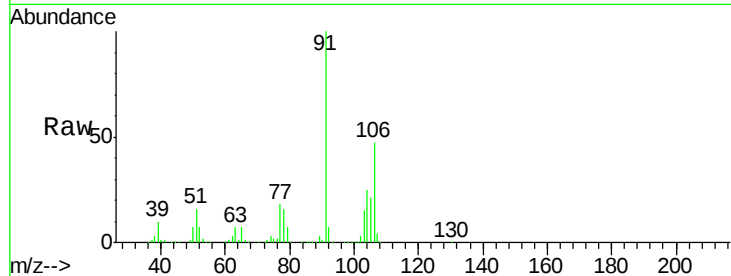
#69
o-Xylene
Concen: 49.083 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	126273		
91	91	205.4	104.0	312.0	

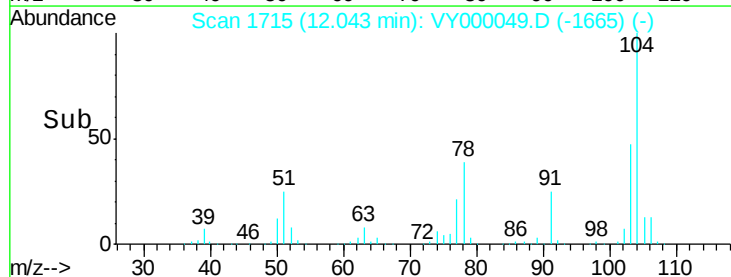
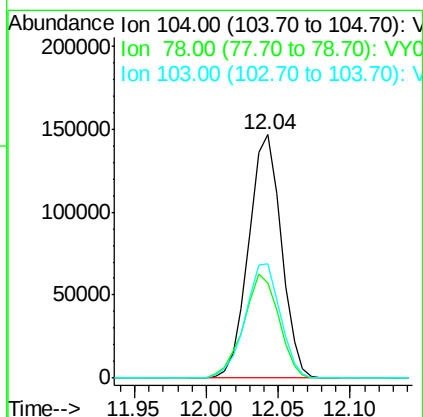
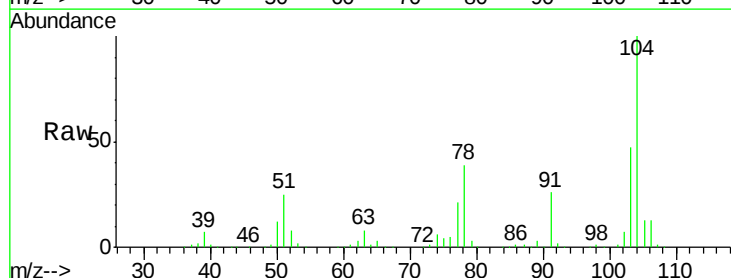
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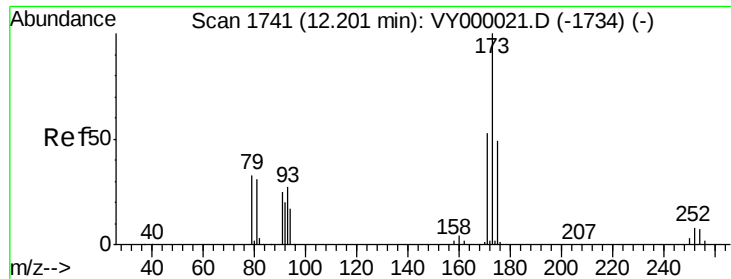
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#70
Styrene
Concen: 51.262 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	229413		
78	78	46.1	38.0	57.0	
103	103	50.7	42.4	63.6	





#71

Bromoform

Concen: 49.262 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

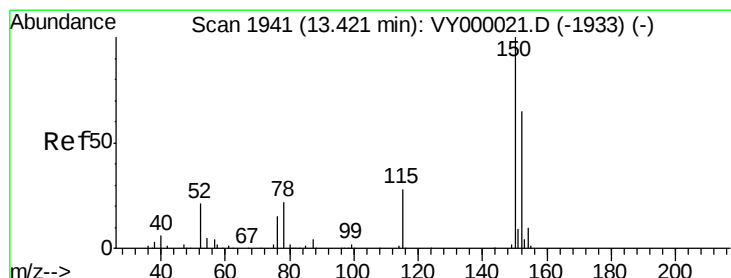
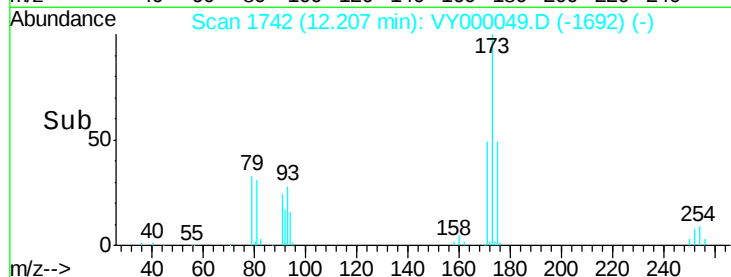
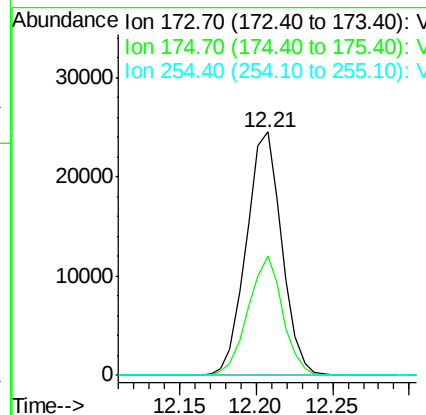
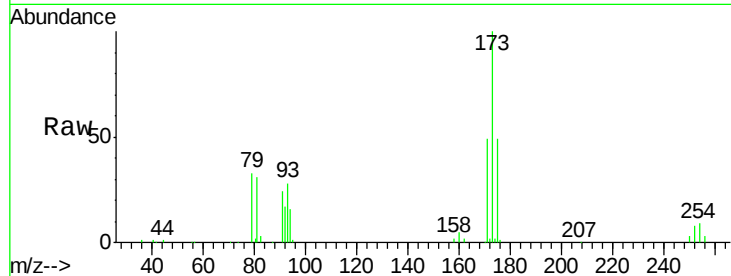
ClientSampleId :

VSTDCCC050EC

Tot Ion:173	Resp:	39462
Ion Ratio	Lower	Upper
173 100		
175 47.8	25.1	75.4
254 0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

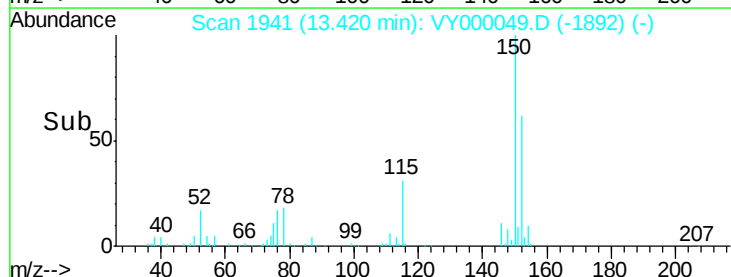
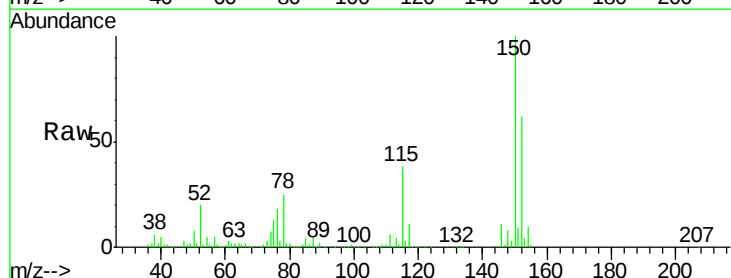
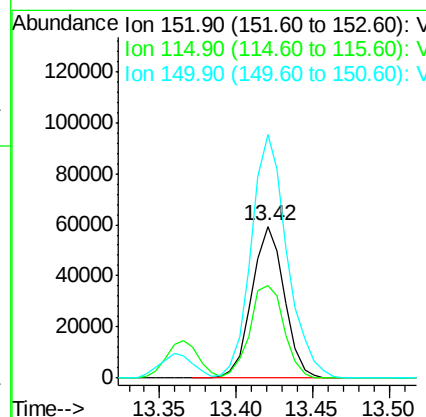
RT: 13.42 min Scan# 1941

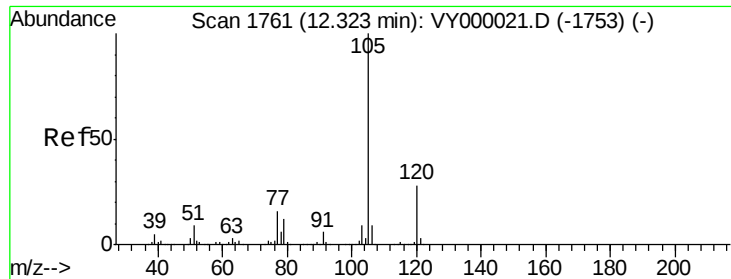
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:152	Resp:	87853
Ion Ratio	Lower	Upper
152 100		
115 64.2	29.4	88.2
150 177.0	0.0	349.0





#73

Isopropylbenzene

Concen: 49.623 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 333101

Ion Ratio Lower Upper

105 100

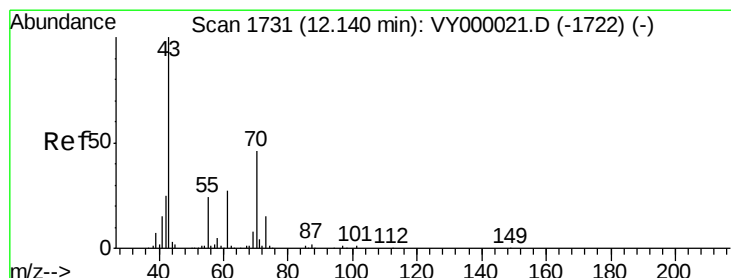
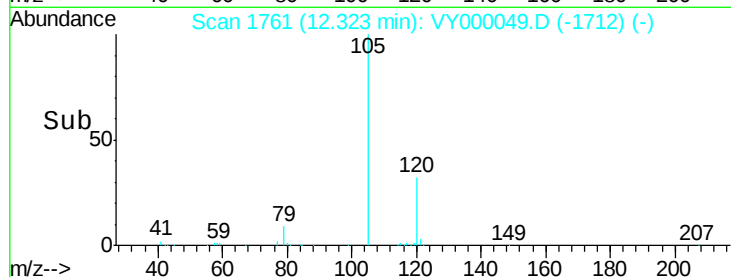
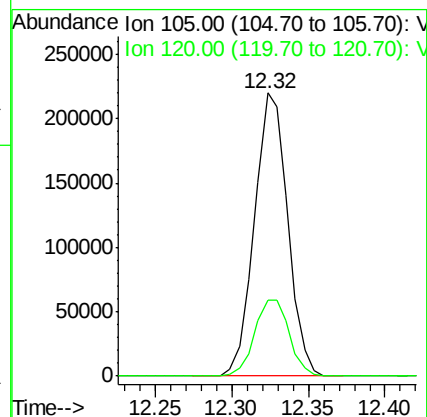
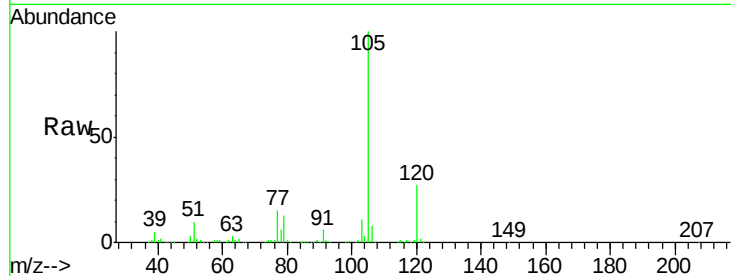
120 27.9 13.9 41.6

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#74

N-ethyl acetate

Concen: 49.970 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion: 43 Resp: 99014

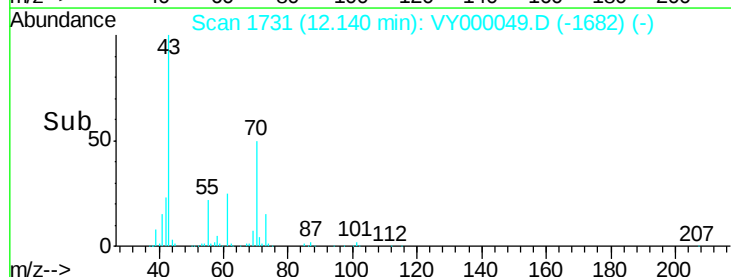
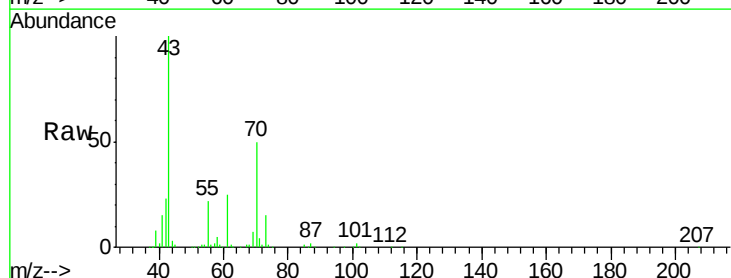
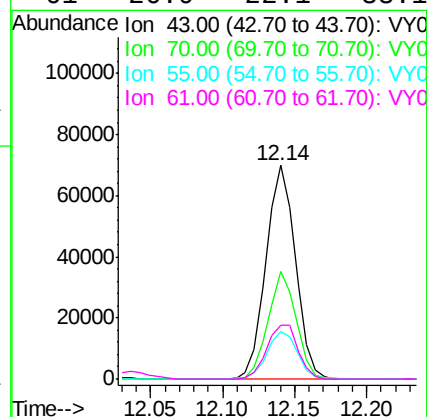
Ion Ratio Lower Upper

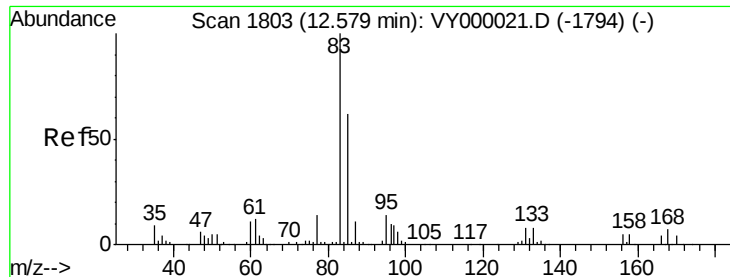
43 100

70 47.7 38.1 57.1

55 22.9 18.7 28.1

61 26.9 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.547 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

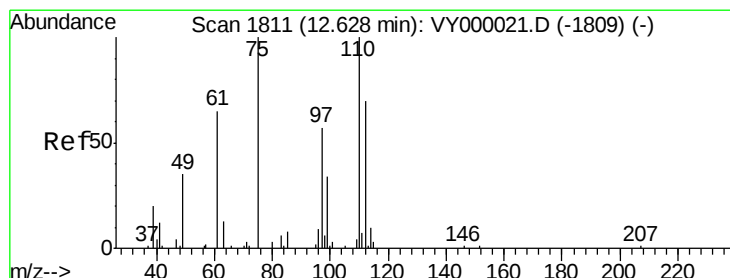
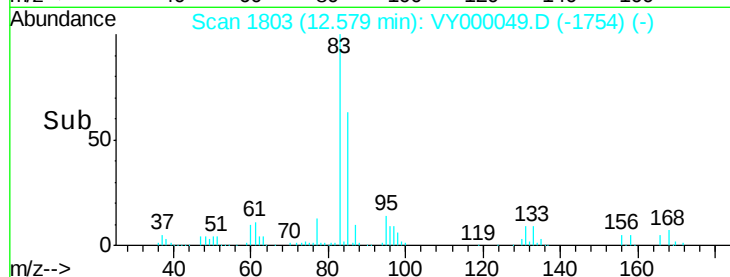
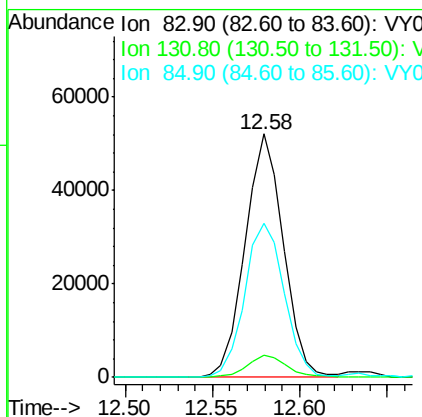
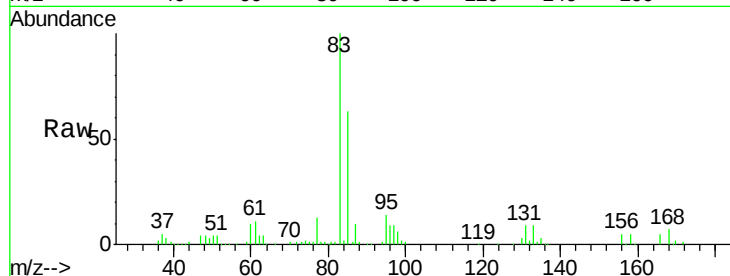
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	79519
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	65.3	31.8	95.3

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9/20/2019 1:02:24 AM



#76

1,2,3-Trichloropropane

Concen: 47.626 ug/l m

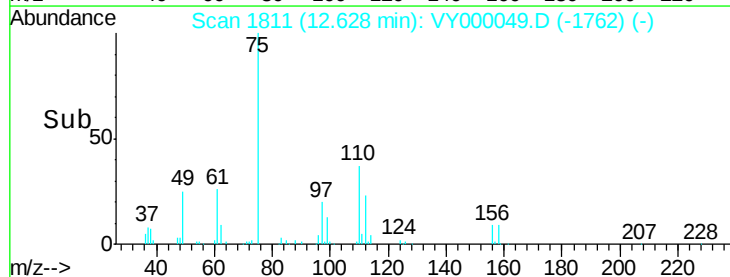
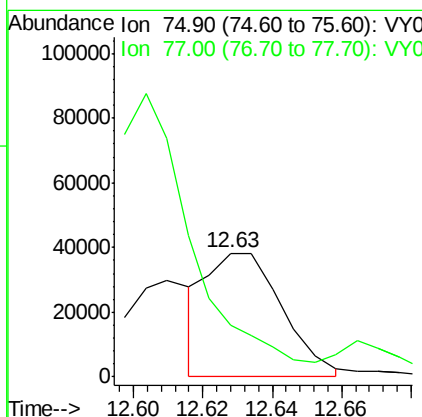
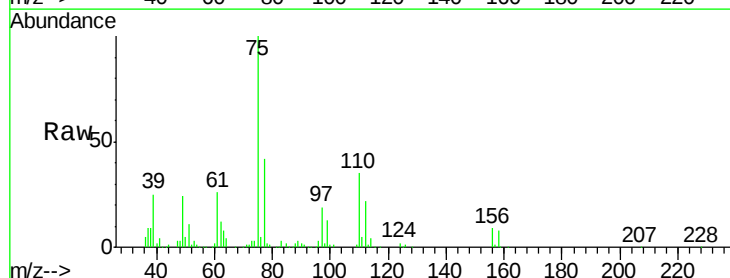
RT: 12.63 min Scan# 1811

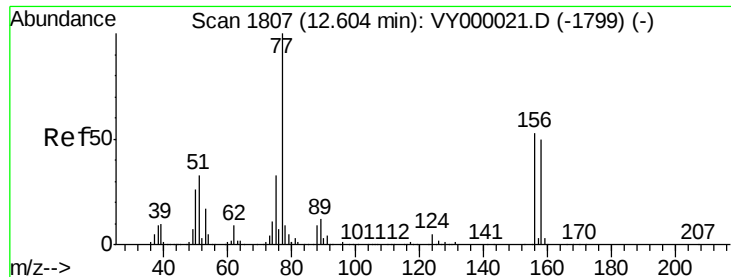
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	75	Resp:	58115
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.090 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 71126

Ion Ratio Lower Upper

156 100

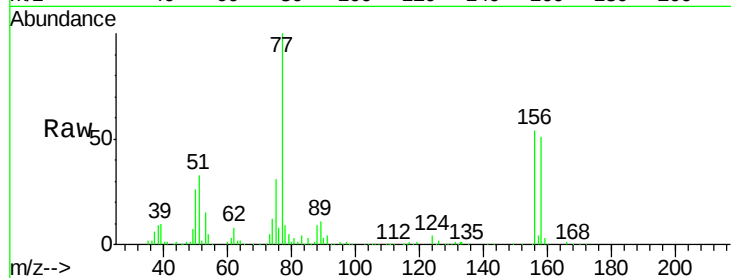
77 219.7 106.0 317.9

158 97.7 47.3 141.9

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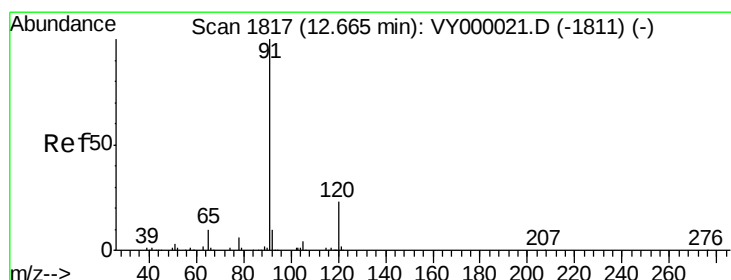
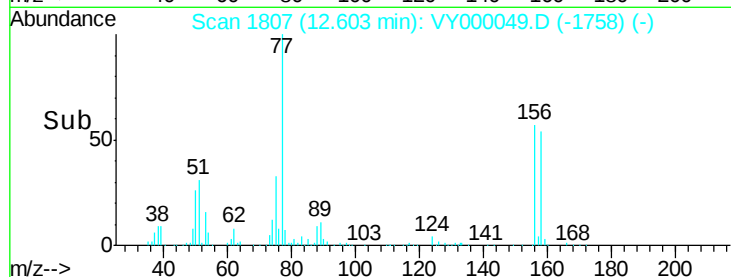
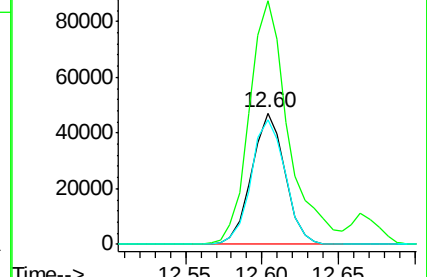
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.186 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000049.D

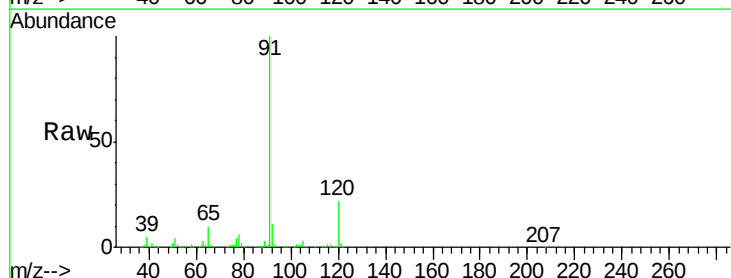
Acq: 16 Sep 2019 16:39

Tgt Ion: 91 Resp: 411693

Ion Ratio Lower Upper

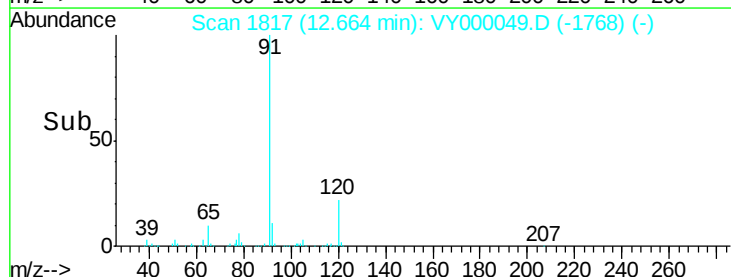
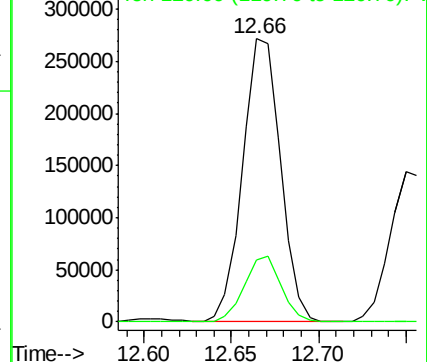
91 100

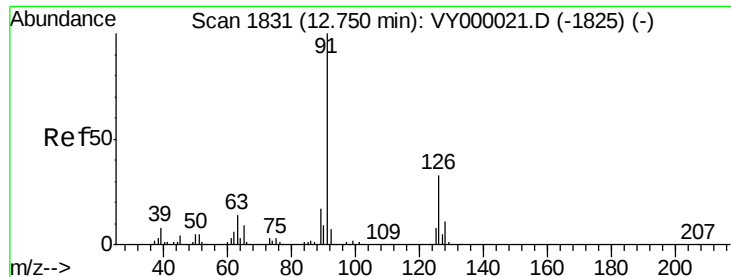
120 22.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.527 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 227189

Ion Ratio Lower Upper

91 100

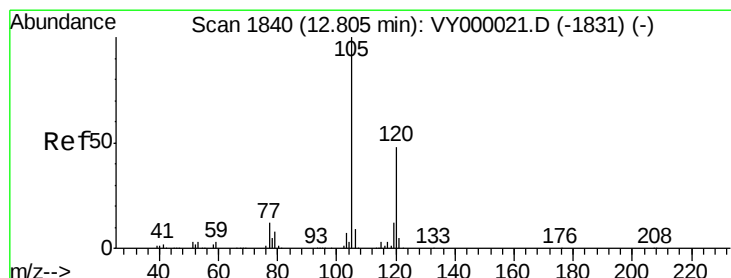
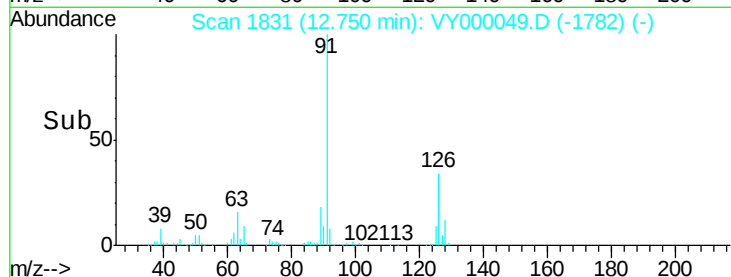
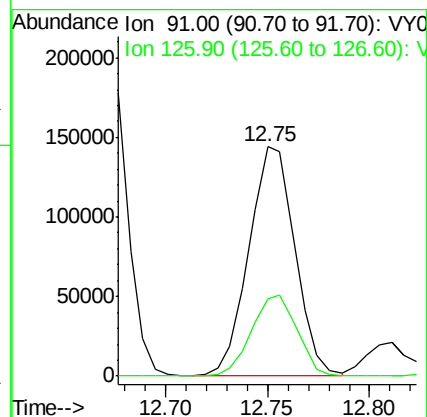
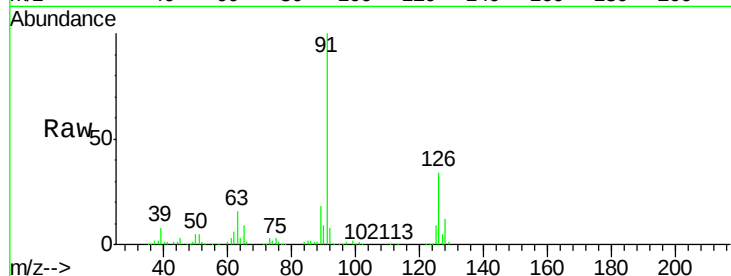
126 35.0 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.209 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VY000049.D

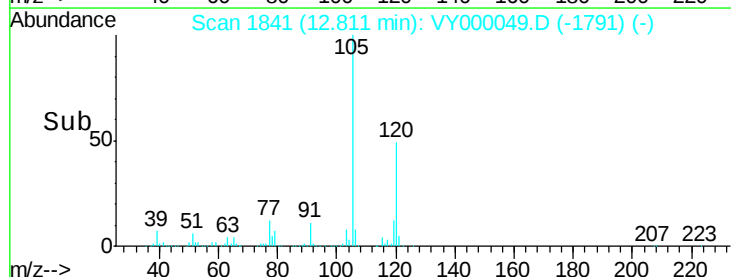
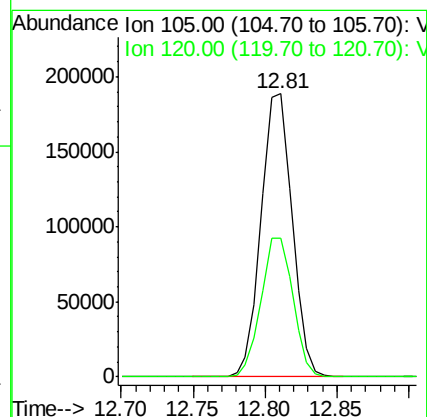
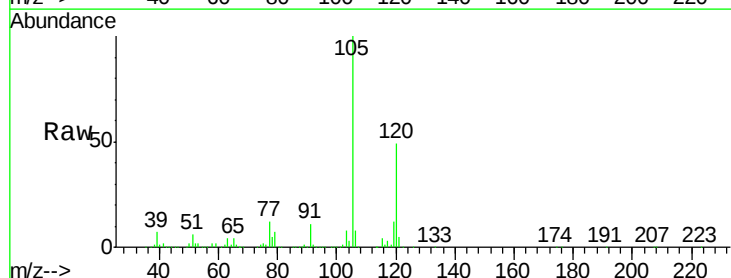
Acq: 16 Sep 2019 16:39

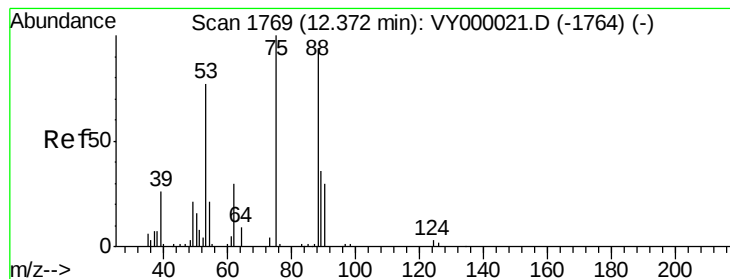
Tgt Ion: 105 Resp: 281413

Ion Ratio Lower Upper

105 100

120 50.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.786 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

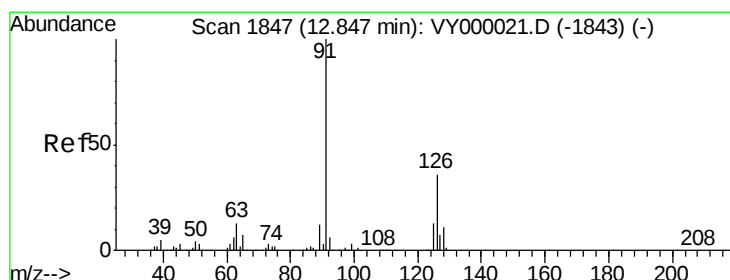
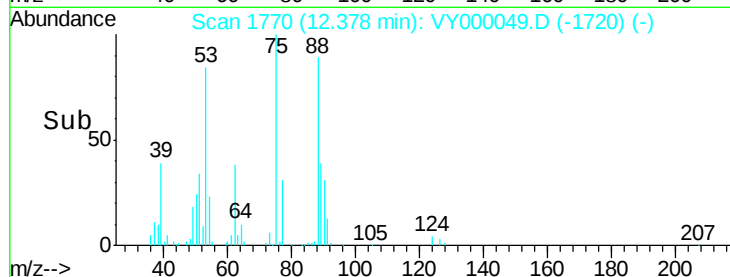
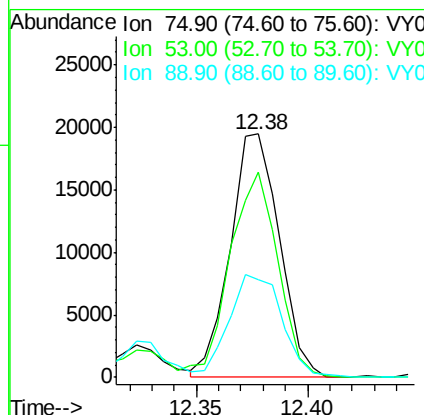
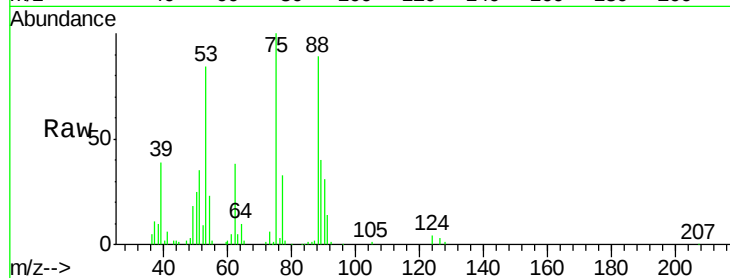
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30012
Ion	Ratio	Lower	Upper
75	100		
53	82.3	64.2	96.2
89	45.4	35.5	53.3

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#82

4-Chlorotoluene

Concen: 49.399 ug/l

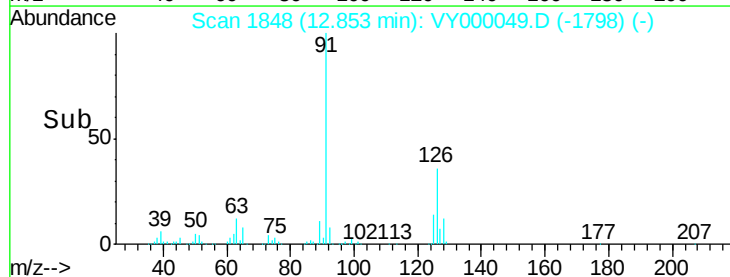
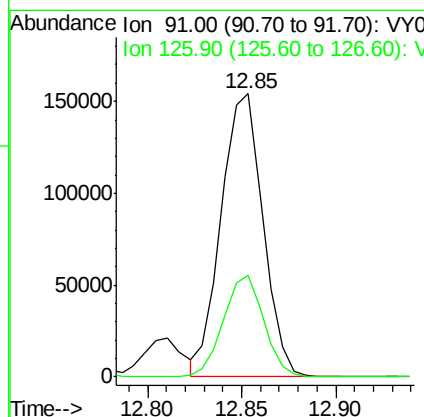
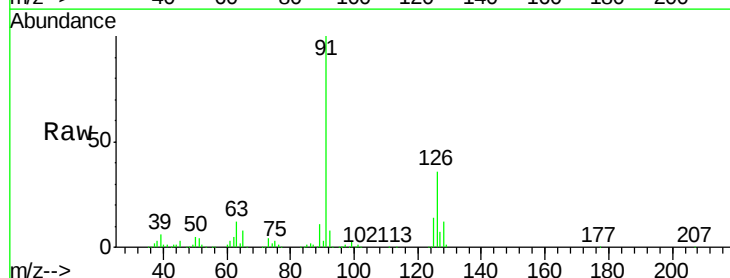
RT: 12.85 min Scan# 1848

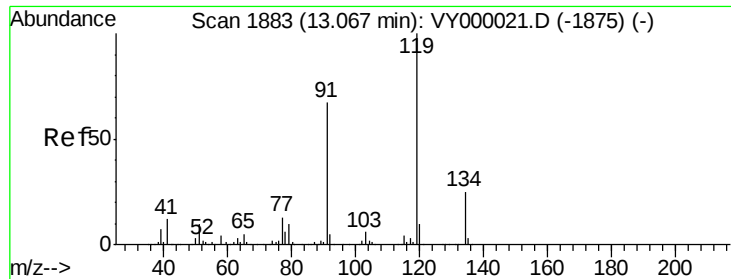
Delta R.T. 0.01 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	91	Resp:	237823
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.5





#83

tert-Butylbenzene

Concen: 50.350 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

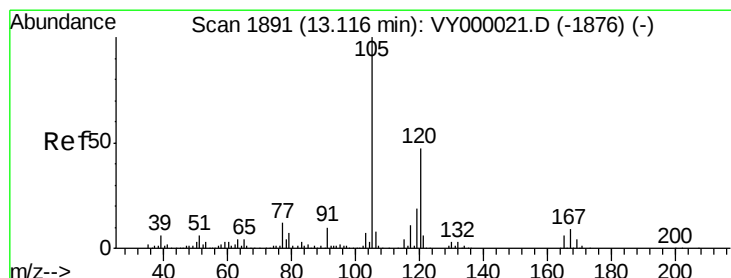
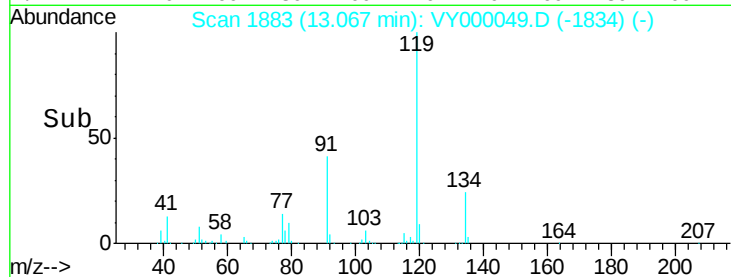
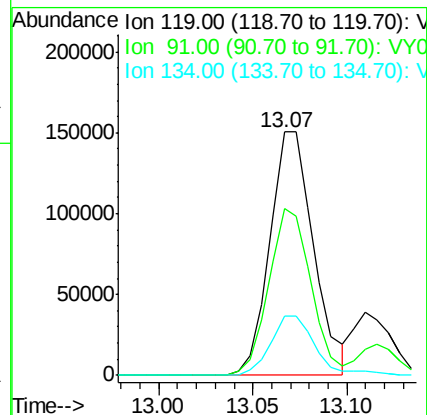
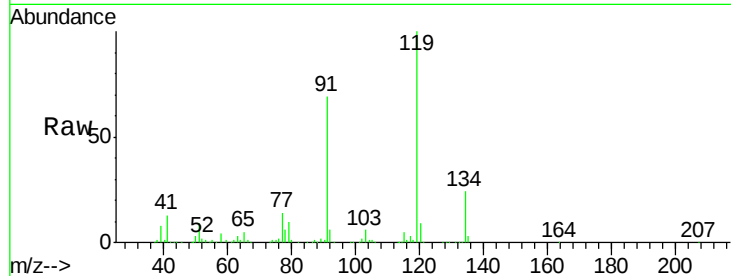
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	242476
Ion Ratio	Lower	Upper	
119	100		
91	65.9	33.1	99.5
134	25.3	13.5	40.5

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#84

1,2,4-Trimethylbenzene

Concen: 50.230 ug/l

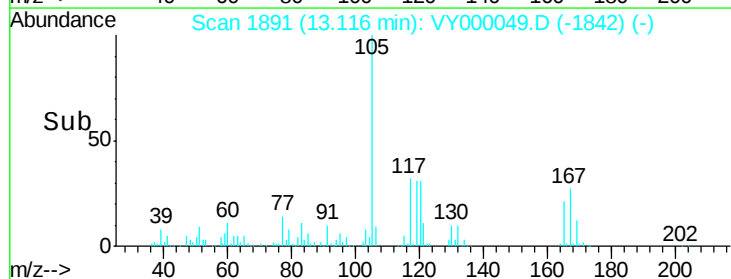
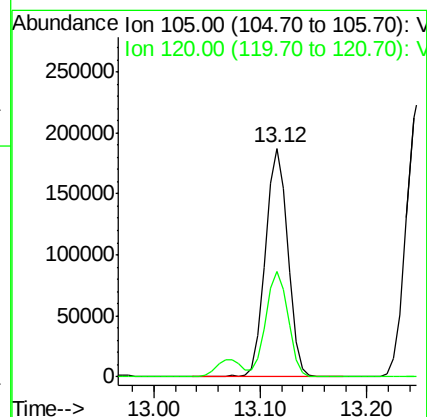
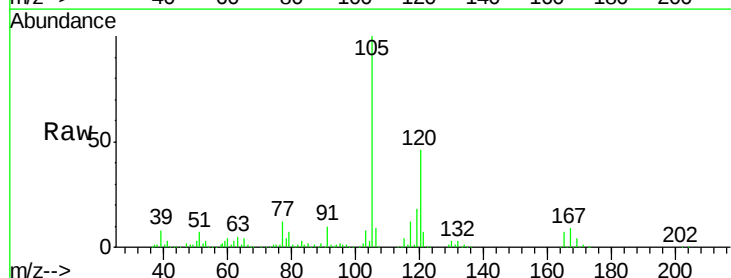
RT: 13.12 min Scan# 1891

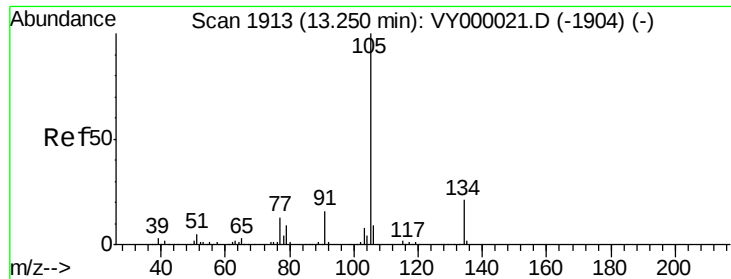
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	105	Resp:	278101
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.1	69.3





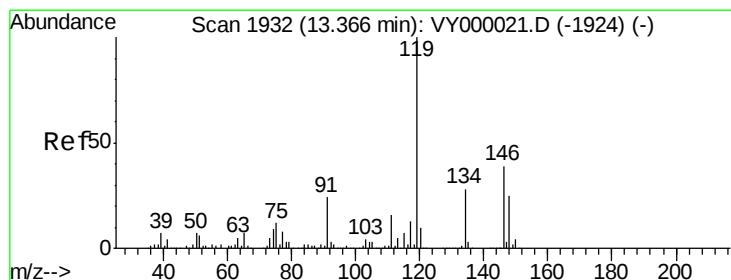
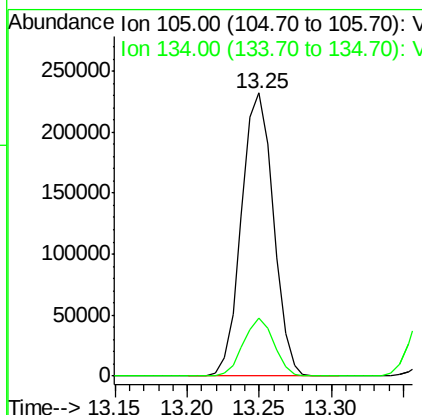
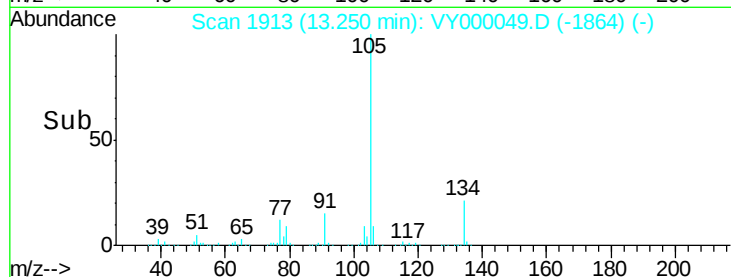
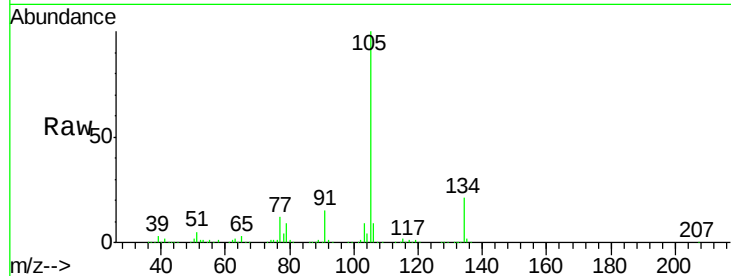
#85
 sec-Butylbenzene
 Concen: 50.241 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.1

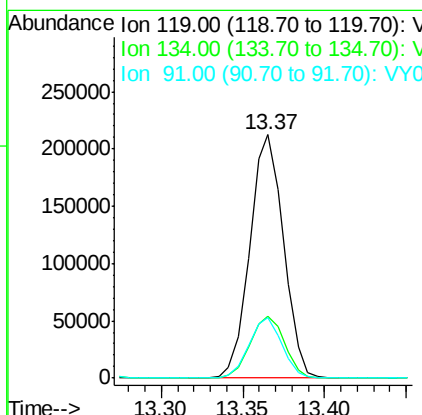
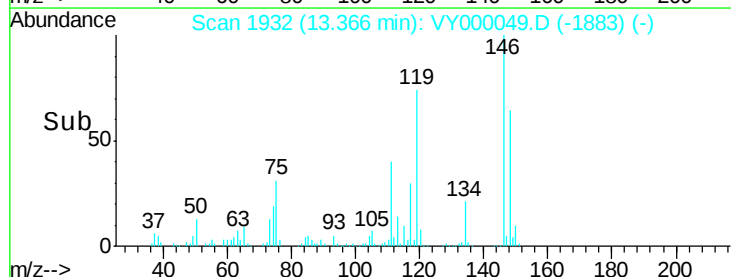
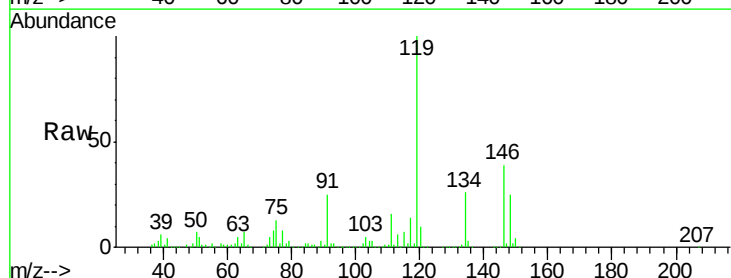
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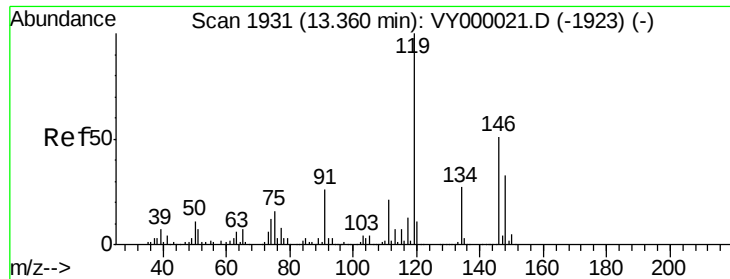
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#86
 p-Isopropyltoluene
 Concen: 50.660 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.8	41.3
91	24.4	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 49.883 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Instrument :

MSVOA_Y

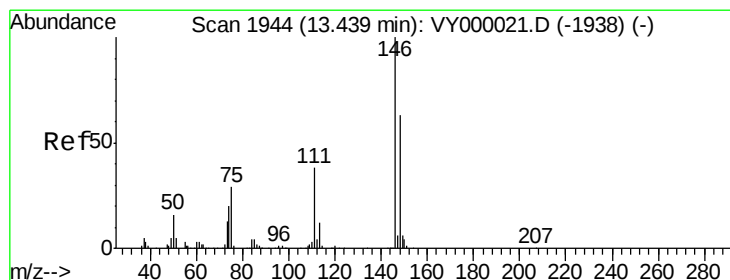
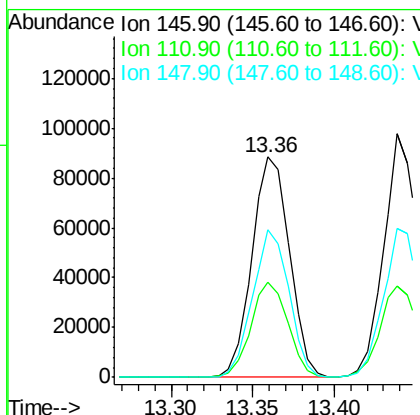
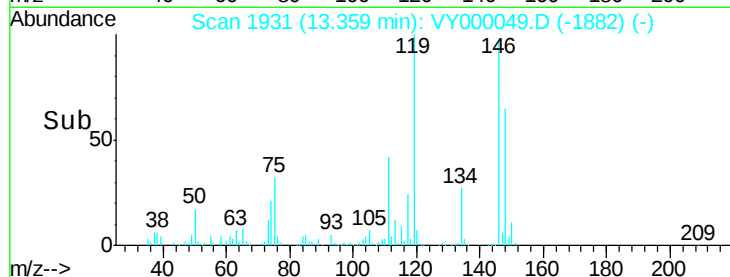
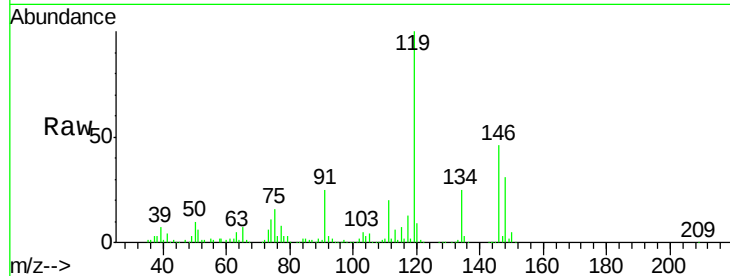
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	142555
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.2	63.6
148	64.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 49.791 ug/l

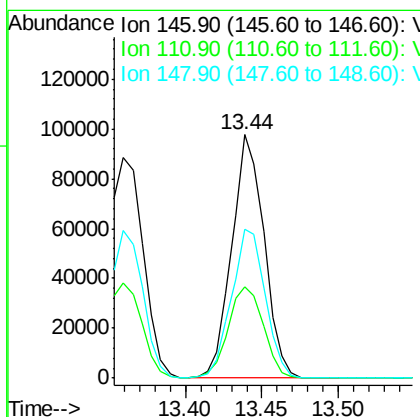
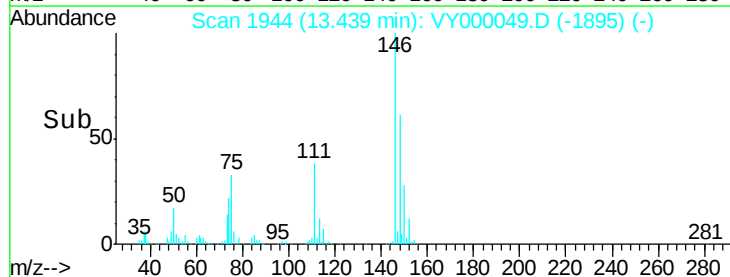
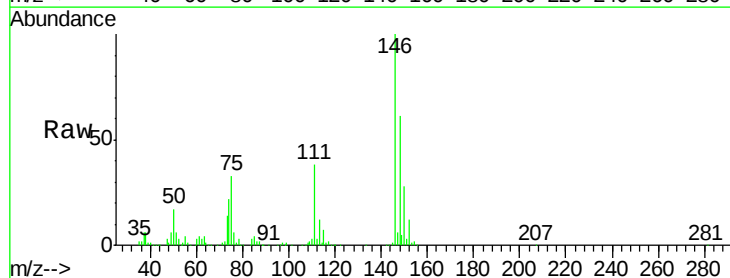
RT: 13.44 min Scan# 1944

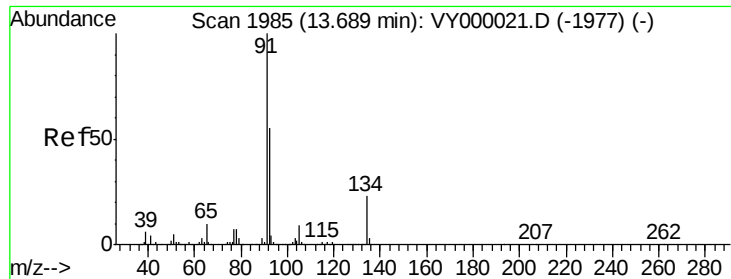
Delta R.T. -0.00 min

Lab File: VY000049.D

Acq: 16 Sep 2019 16:39

Tgt Ion:	146	Resp:	143191
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.3	60.9
148	64.2	31.7	95.1





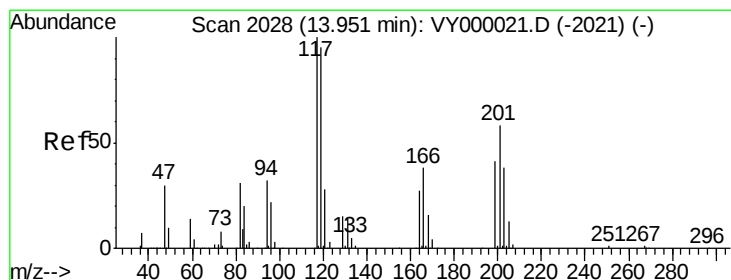
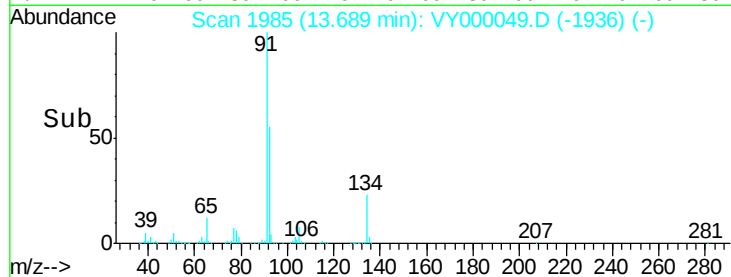
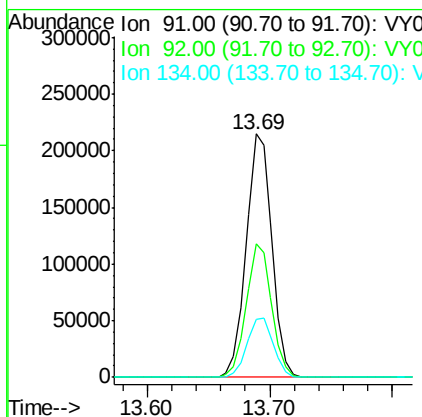
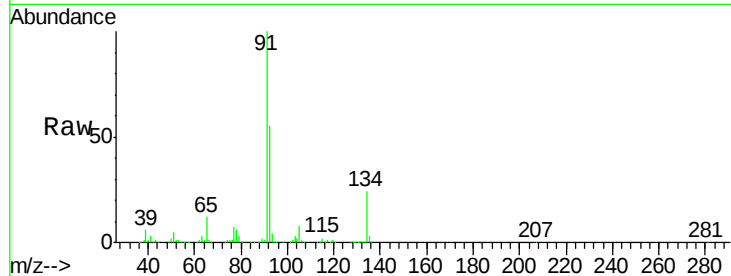
#89
n-Butylbenzene
Concen: 51.137 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	25.2	12.6	37.6

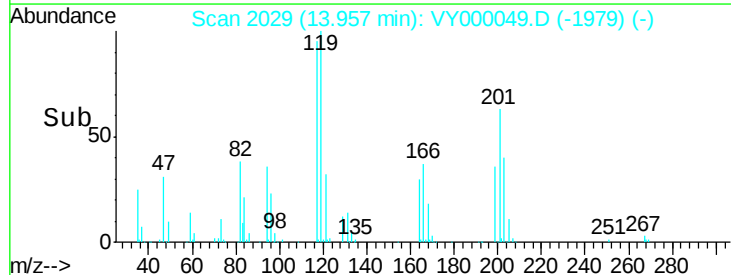
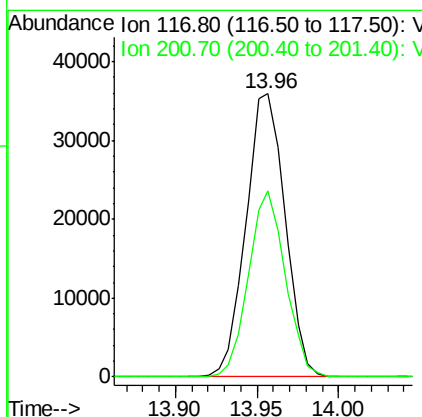
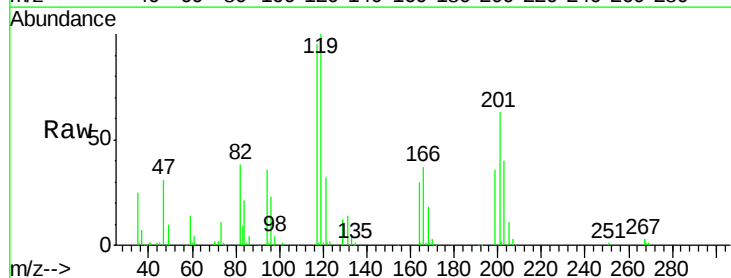
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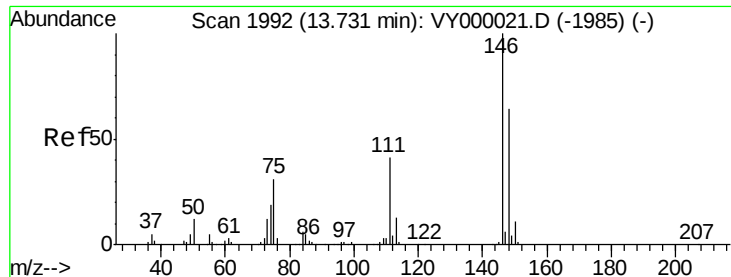
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#90
Hexachloroethane
Concen: 49.832 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.0	31.4	94.0





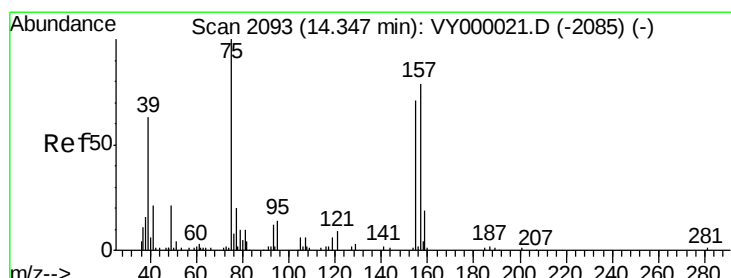
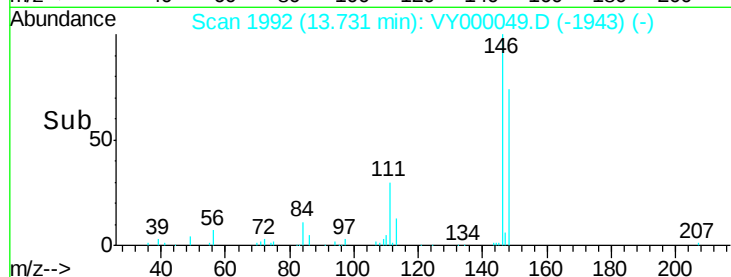
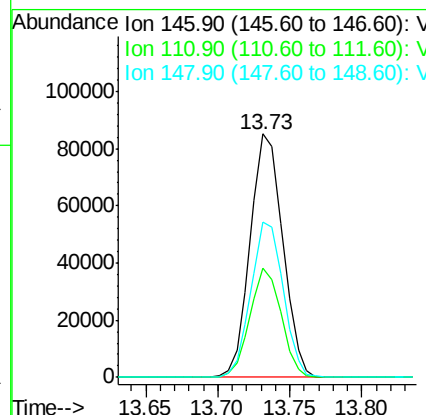
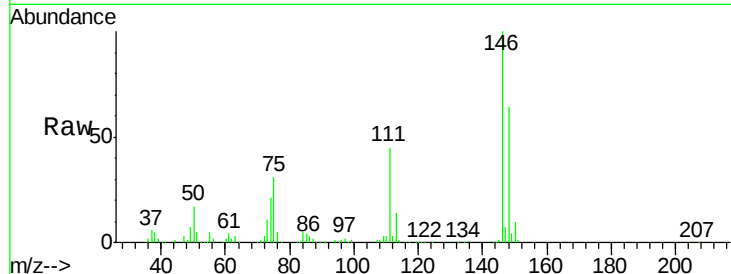
#91
 1,2-Dichlorobenzene
 Concen: 49.993 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.0	63.0
148	63.5	31.6	95.0

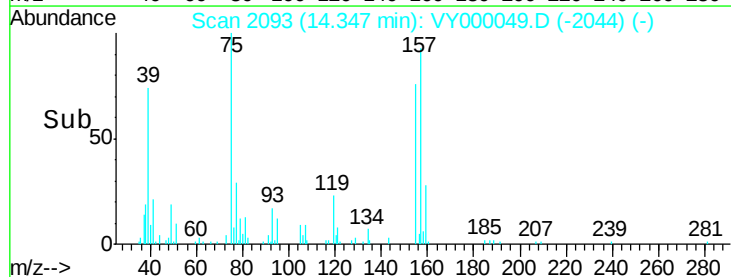
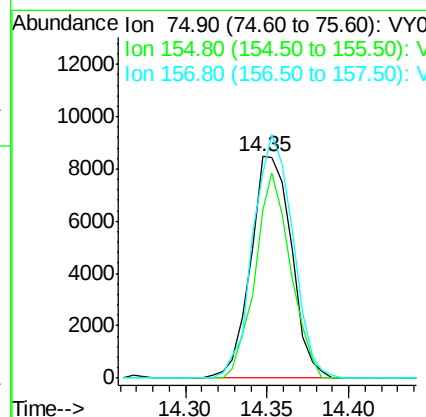
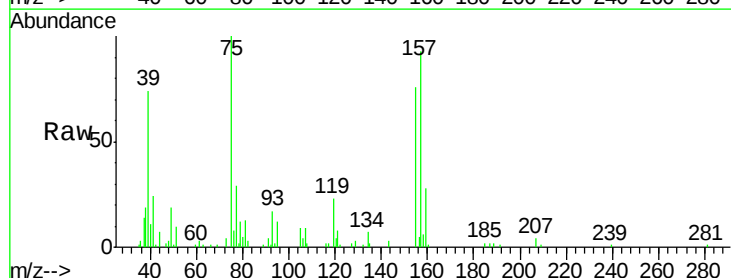
Manual Integrations
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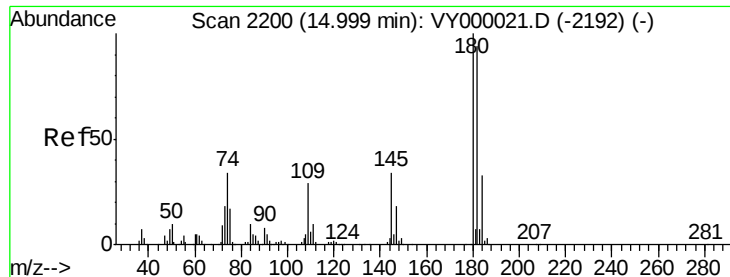
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.062 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	41.8	125.3
157	107.3	51.3	153.9





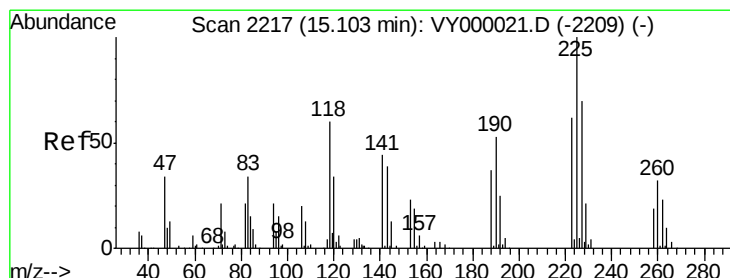
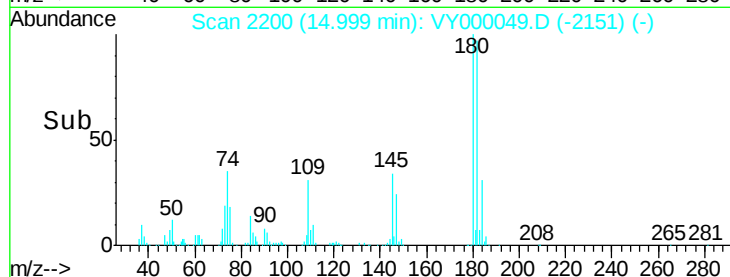
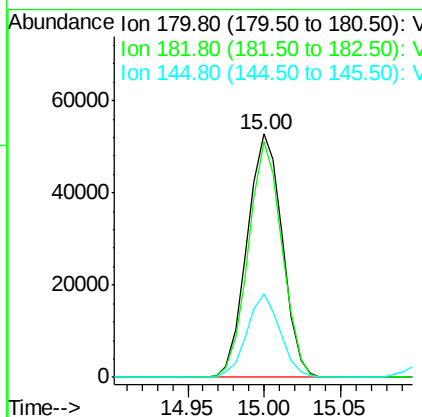
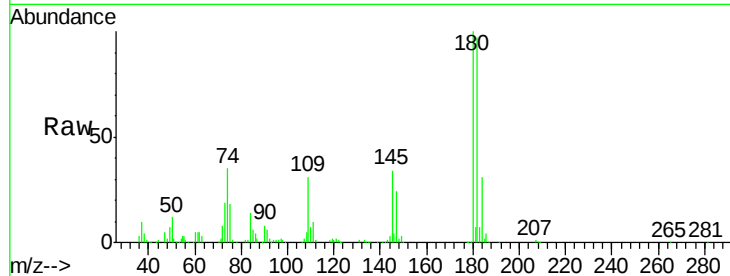
#93
 1,2,4-Trichlorobenzene
 Concen: 49.792 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.7	47.0	141.0	
145	32.2	16.7	50.1	

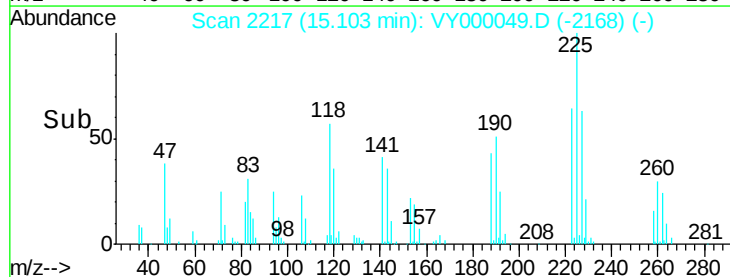
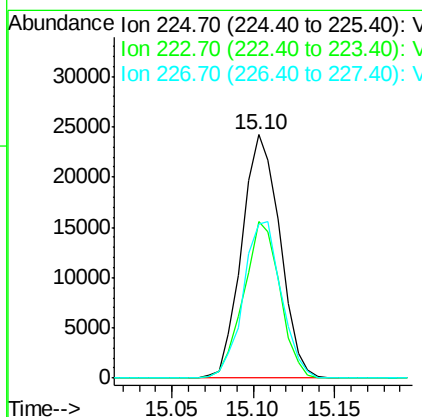
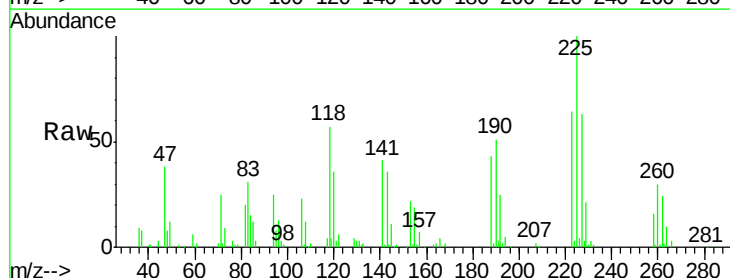
Manual Integrations
 APPROVED

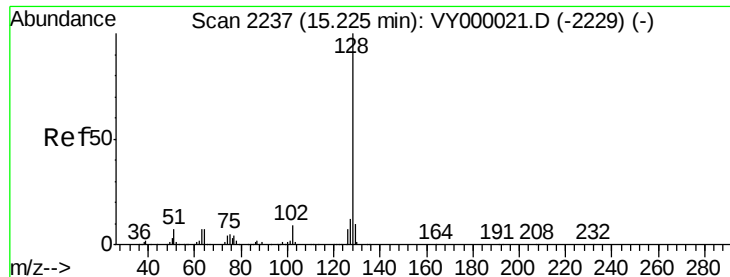
MMDadoda
 9/20/2019 1:02:24 AM



#94
 Hexachlorobutadiene
 Concen: 50.715 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000049.D
 Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	30.9	92.7	
227	64.0	31.0	93.0	





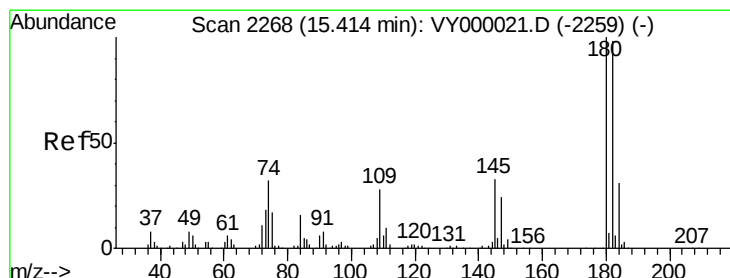
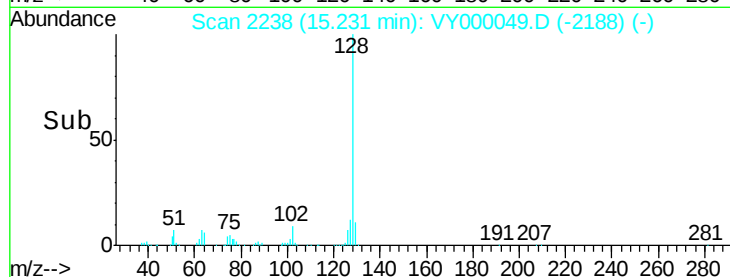
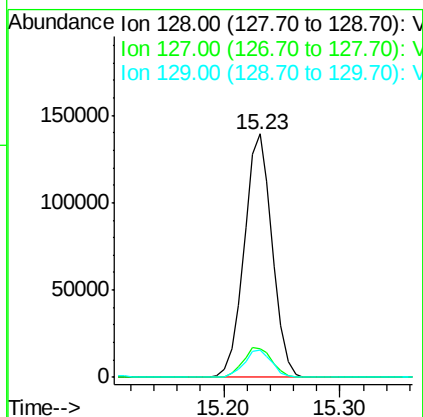
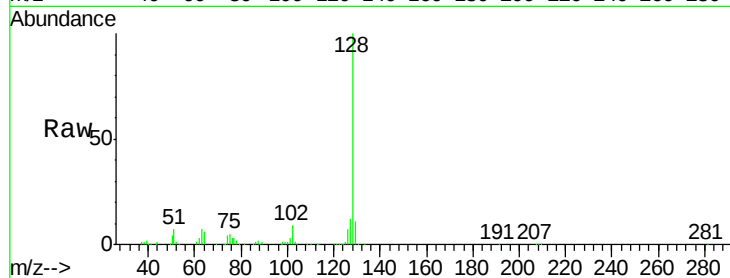
#95
Naphthalene
Concen: 49.853 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	231456		
127	12.7		9.8	14.8
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:02:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.880 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.01 min
Lab File: VY000049.D
Acq: 16 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75989		
182	94.9		46.8	140.4
145	34.8		17.3	51.7

