

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000809.D
 Acq On : 27 Nov 2019 10:55
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:38 AM

Quant Time: Nov 27 12:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	547312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	489629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	34511	10.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.32%	
35) Dibromofluoromethane	7.73	113	32872	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	10.18	98	116080	9.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.16%	
62) 4-Bromofluorobenzene	12.48	95	49021	10.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	36663	11.660	ug/l 98
3) Chloromethane	2.12	50	44057	10.294	ug/l 99
4) Vinyl Chloride	2.25	62	46172	11.506	ug/l 97
5) Bromomethane	2.65	94	28180	11.590	ug/l 99
6) Chloroethane	2.79	64	27009	10.695	ug/l 100
7) Trichlorofluoromethane	3.13	101	59189	10.852	ug/l 89
8) Diethyl Ether	3.54	74	21607	11.011	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	36356	10.953	ug/l 100
10) Methyl Iodide	4.10	142	41296	10.506	ug/l 99
11) Tert butyl alcohol	4.97	59	17992	54.278	ug/l 96
12) 1,1-Dichloroethene	3.88	96	34451	10.772	ug/l 98
13) Acrolein	3.74	56	18216	63.549	ug/l 96
14) Allyl chloride	4.48	41	57333	10.773	ug/l 97
15) Acrylonitrile	5.18	53	58294	57.493	ug/l 96
16) Acetone	3.96	43	42313	48.644	ug/l 98
17) Carbon Disulfide	4.20	76	114161	11.153	ug/l 100
18) Methyl Acetate	4.49	43	29327	10.045	ug/l 99
19) Methyl tert-butyl Ether	5.23	73	93470	10.381	ug/l 94
20) Methylene Chloride	4.72	84	44548	11.261	ug/l 93
21) trans-1,2-Dichloroethene	5.22	96	38851	10.645	ug/l 90
22) Diisopropyl ether	6.13	45	127035	11.076	ug/l 98
23) Vinyl Acetate	6.07	43	402972	55.646	ug/l 99
24) 1,1-Dichloroethane	6.03	63	68190	10.941	ug/l 95
25) 2-Butanone	7.00	43	74099	50.667	ug/l 100
26) 2,2-Dichloropropane	7.00	77	58119	10.365	ug/l 98
27) cis-1,2-Dichloroethene	7.00	96	43386	10.858	ug/l 98
28) Bromochloromethane	7.35	49	16960	7.071	ug/l 92
29) Tetrahydrofuran	7.35	42	49597	54.574	ug/l 97
30) Chloroform	7.52	83	70487	11.294	ug/l 97
31) Cyclohexane	7.79	56	74354	11.406	ug/l # 88
32) 1,1,1-Trichloroethane	7.71	97	57187	10.391	ug/l 99
36) 1,1-Dichloropropene	7.92	75	55169	10.509	ug/l 100
37) Ethyl Acetate	7.08	43	34122	10.851	ug/l 98
38) Carbon Tetrachloride	7.91	117	49478	9.937	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74566	10.995	ug/l	99
40) Benzene	8.17	78	162313	10.538	ug/l	99
41) Methacrylonitrile	7.33	41	16594m	9.578	ug/l	
42) 1,2-Dichloroethane	8.25	62	42712	9.904	ug/l	99
43) Isopropyl Acetate	8.28	43	61042	10.343	ug/l	99
44) Trichloroethene	8.95	130	40968	10.124	ug/l	94
45) 1,2-Dichloropropane	9.22	63	40341	10.569	ug/l #	85
46) Dibromomethane	9.31	93	21433	10.291	ug/l	99
47) Bromodichloromethane	9.50	83	49313	10.040	ug/l	99
48) Methyl methacrylate	9.30	41	27379	10.525	ug/l	98
49) 1,4-Dioxane	9.30	88	5968	209.156	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	161226	51.705	ug/l	97
52) Toluene	10.25	92	99267	10.216	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52770	10.027	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	61026	10.083	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	31423	10.410	ug/l	98
56) Ethyl methacrylate	10.51	69	42326	9.837	ug/l	92
57) 1,3-Dichloropropane	10.79	76	54485	10.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	91602	49.085	ug/l	99
59) 2-Hexanone	10.83	43	113150	49.559	ug/l	97
60) Dibromochloromethane	10.99	129	32778	9.579	ug/l	96
61) 1,2-Dibromoethane	11.09	107	28474	9.837	ug/l	96
64) Tetrachloroethene	10.72	164	45544	11.123	ug/l	89
65) Chlorobenzene	11.52	112	102992	10.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	34818	10.074	ug/l	96
67) Ethyl Benzene	11.59	91	189862	10.297	ug/l	96
68) m/p-Xylenes	11.70	106	145025	20.465	ug/l	100
69) o-Xylene	12.03	106	66611	9.953	ug/l	97
70) Styrene	12.04	104	114114	9.979	ug/l	97
71) Bromoform	12.20	173	18271	9.181	ug/l #	98
73) Isopropylbenzene	12.33	105	180948	10.744	ug/l	100
74) N-amyl acetate	12.14	43	50390	10.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	35079	10.397	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	25790m	10.267	ug/l	
77) Bromobenzene	12.61	156	38867	10.206	ug/l	98
78) n-propylbenzene	12.67	91	219586	10.790	ug/l	99
79) 2-Chlorotoluene	12.75	91	119866	10.613	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	150258	10.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	11812	9.949	ug/l	89
82) 4-Chlorotoluene	12.85	91	124628	10.690	ug/l	100
83) tert-Butylbenzene	13.07	119	127841	10.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	149376	10.743	ug/l	98
85) sec-Butylbenzene	13.25	105	184731	10.885	ug/l	98
86) p-Isopropyltoluene	13.36	119	164884	10.917	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	79282	10.701	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	77290	10.431	ug/l	97
89) n-Butylbenzene	13.69	91	162668	10.881	ug/l	99
90) Hexachloroethane	13.95	117	28220	10.071	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	69017	10.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6206	10.495	ug/l	92

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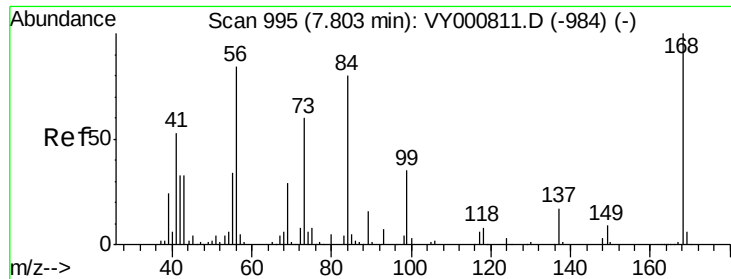
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	46966	10.208	ug/l	98
94) Hexachlorobutadiene	15.11	225	24952	10.714	ug/l	99
95) Naphthalene	15.23	128	107469	10.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	41779	10.200	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 316544

Ion Ratio Lower Upper

168 100

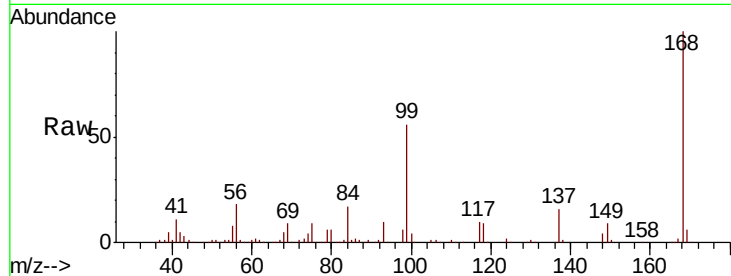
99 56.1 45.0 67.6

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Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

150000

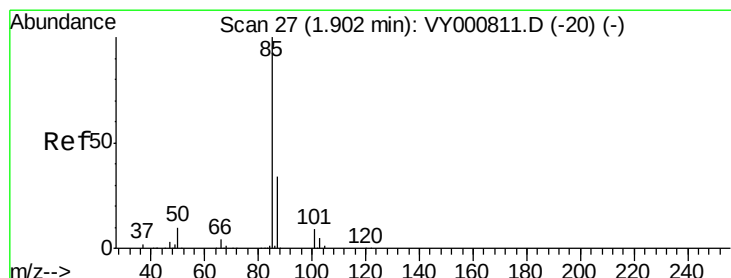
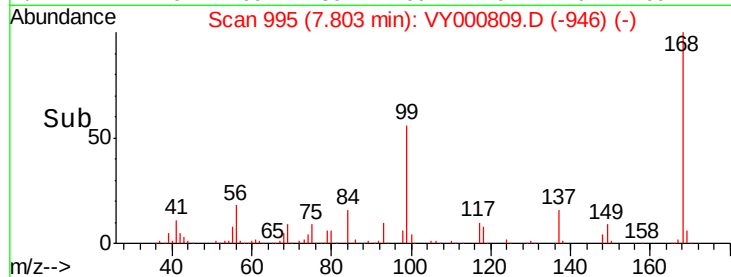
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 11.660 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000809.D

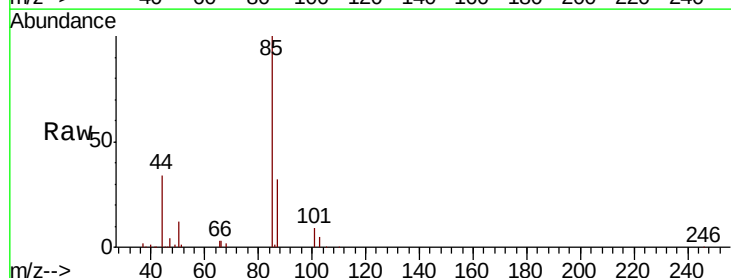
Acq: 27 Nov 2019 10:55

Tgt Ion: 85 Resp: 36663

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000811.D (-20) (-)

1.90

25000

20000

15000

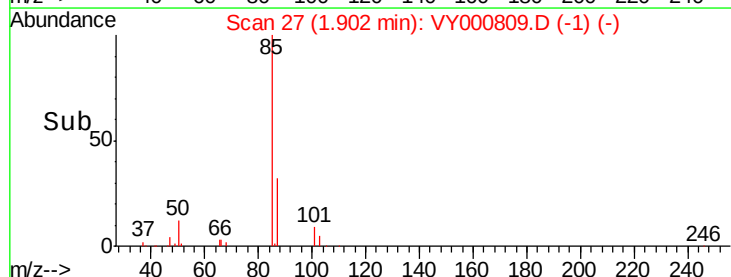
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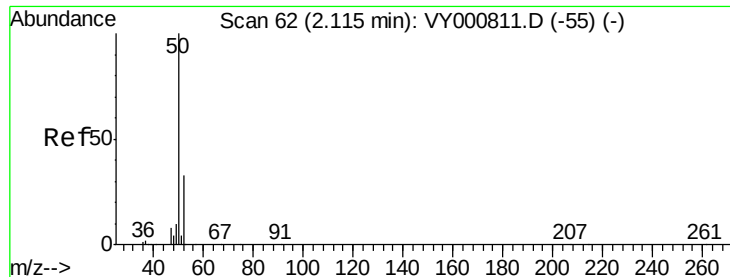
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 10.294 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 44057

Ion Ratio Lower Upper

50 100

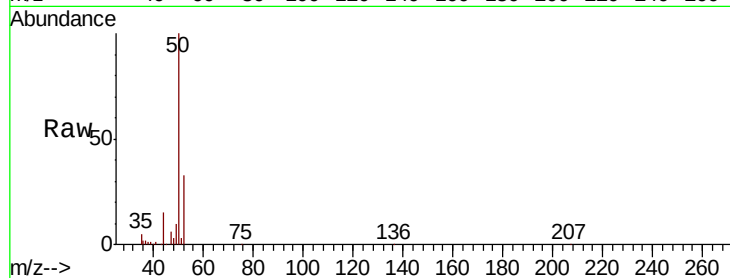
52 33.3 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VY0

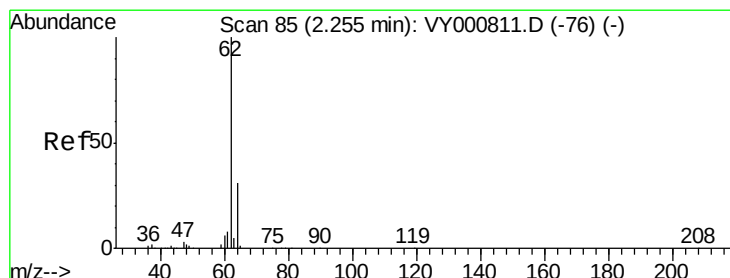
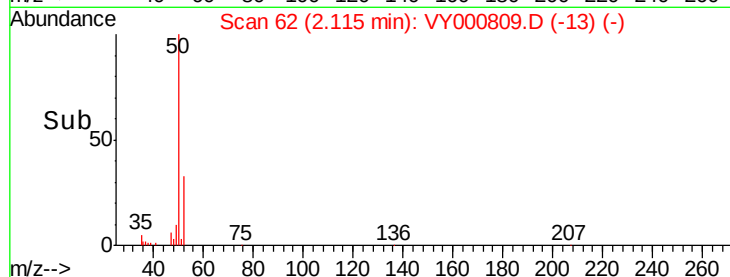
Ion 51.90 (51.60 to 52.60): VY0

2.12

2.15

2.20

Time-->



#4

Vinyl Chloride

Concen: 11.506 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000809.D

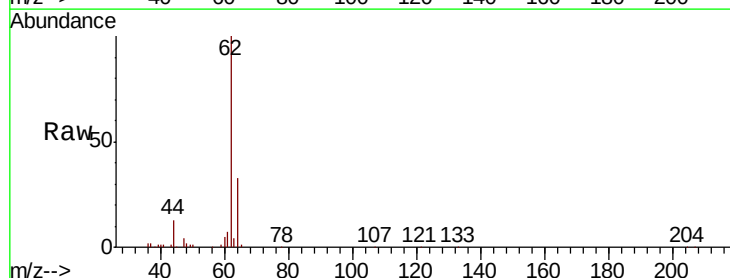
Acq: 27 Nov 2019 10:55

Tgt Ion: 62 Resp: 46172

Ion Ratio Lower Upper

62 100

64 33.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

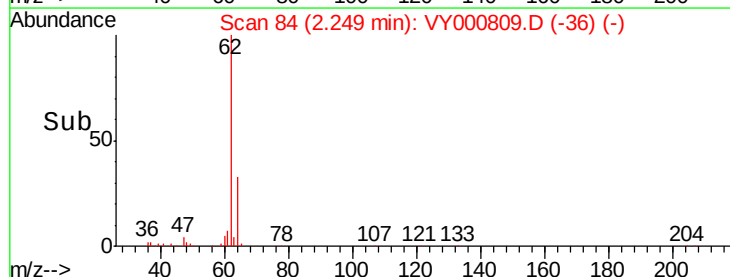
Ion 63.90 (63.60 to 64.60): VY0

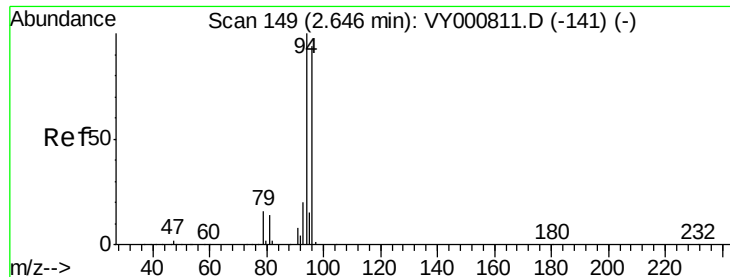
2.25

2.30

2.35

Time-->





#5

Bromomethane

Concen: 11.590 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 28180

Ion Ratio Lower Upper

94 100

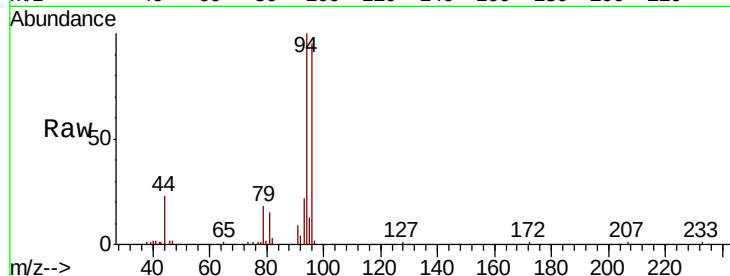
96 94.7 75.2 112.8

Manual Integrations

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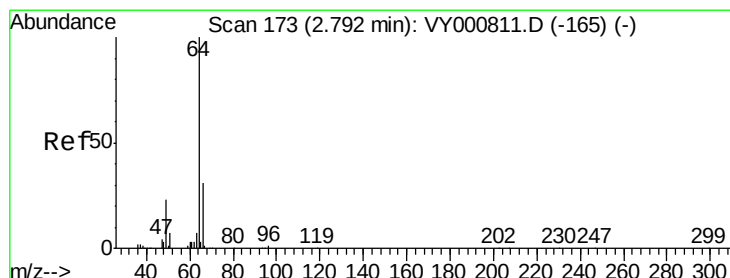
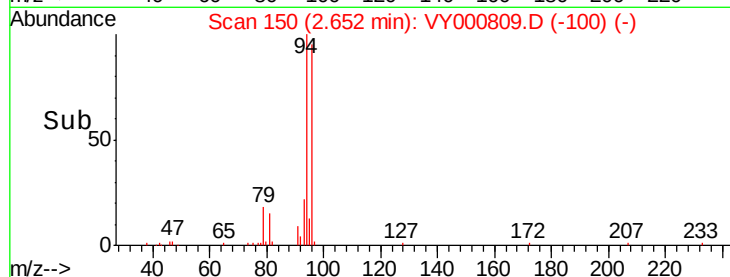
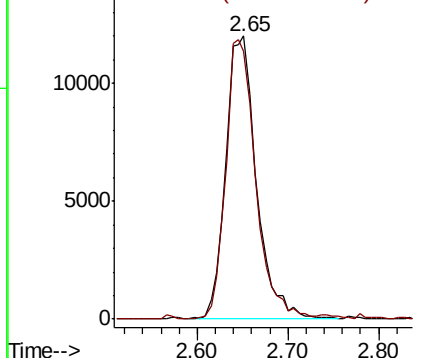
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 10.695 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000809.D

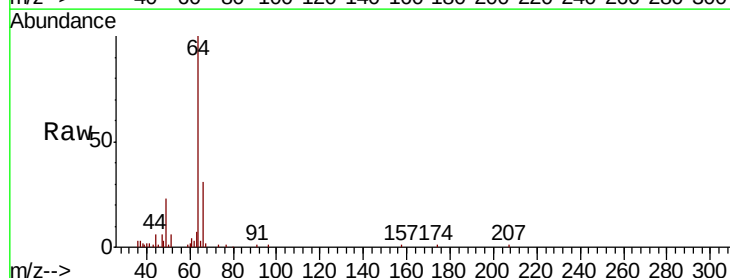
Acq: 27 Nov 2019 10:55

Tgt Ion: 64 Resp: 27009

Ion Ratio Lower Upper

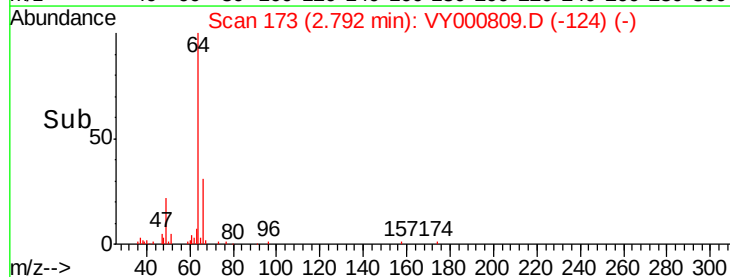
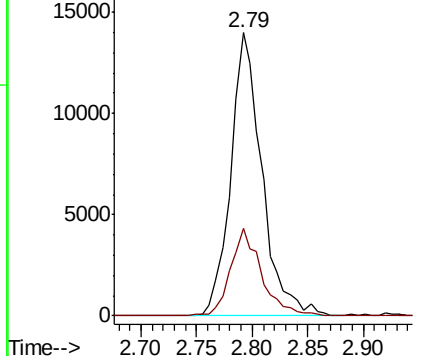
64 100

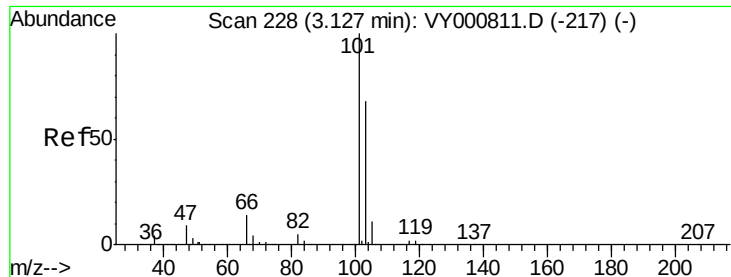
66 31.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

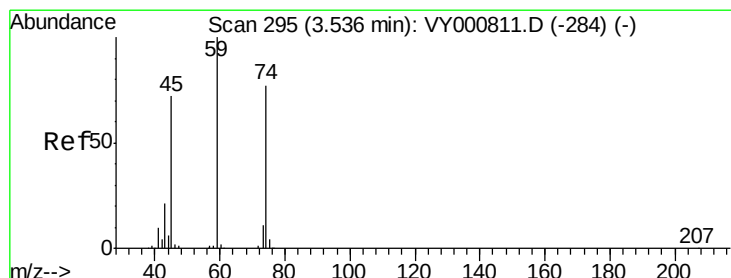
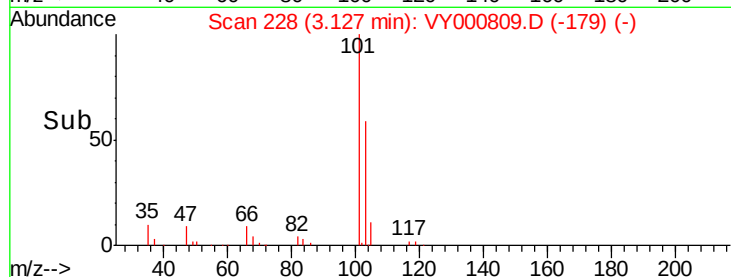
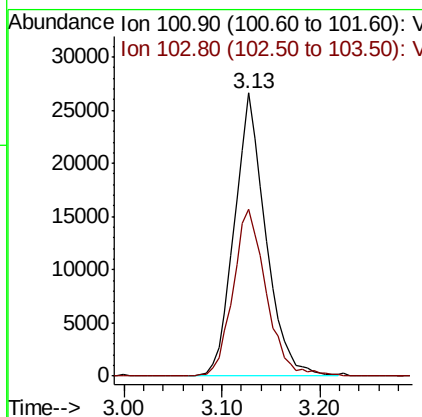
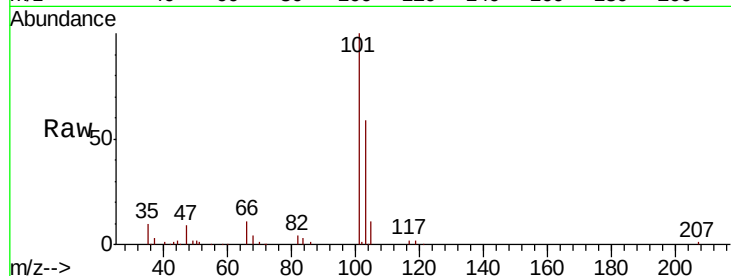
Trichlorofluoromethane
 Concen: 10.852 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	54.2	81.2

Manual Integrations
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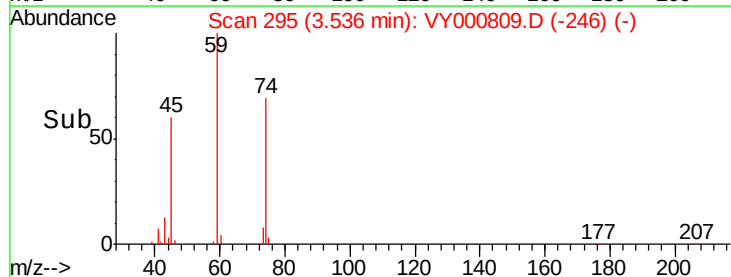
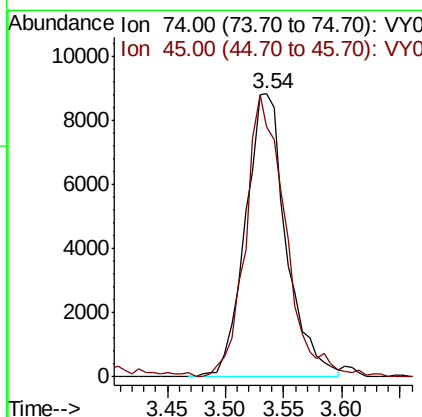
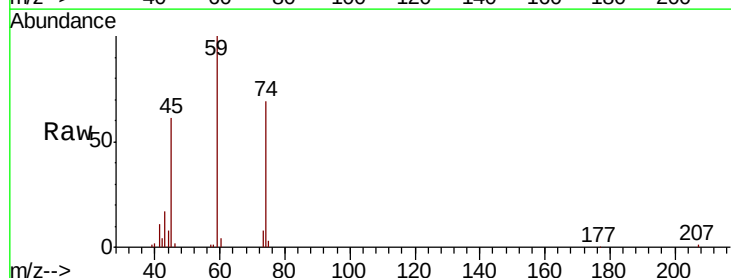
MMDadoda
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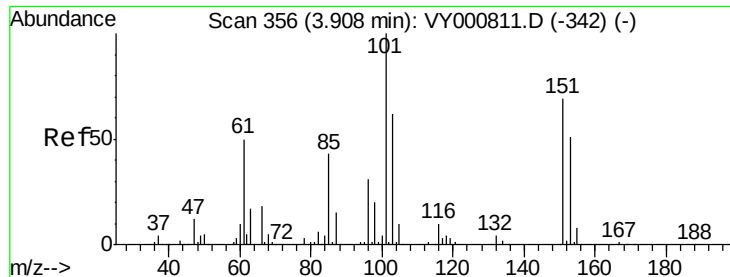


#8

Diethyl Ether
 Concen: 11.011 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.953 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

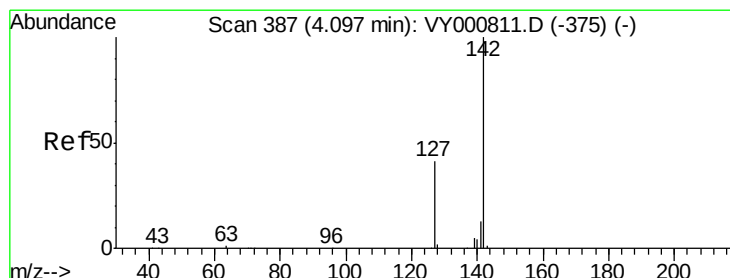
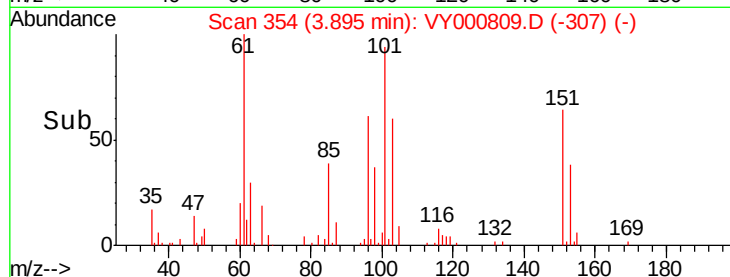
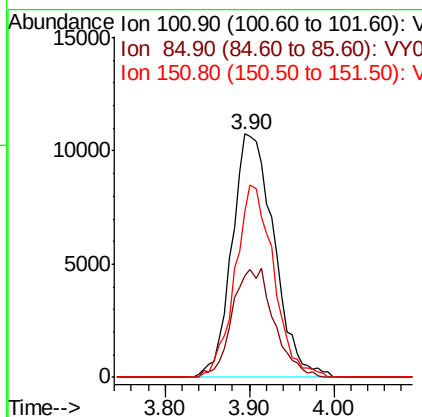
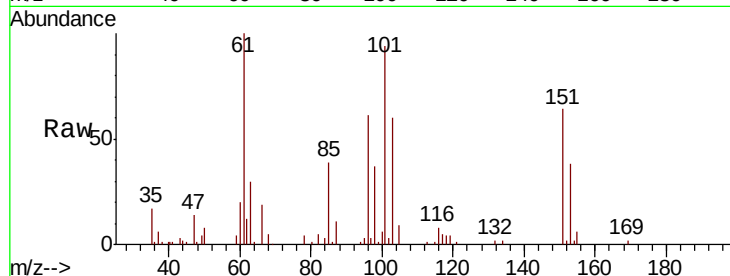
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	36356
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	72.6	58.2	87.2

Manual Integrations
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12/2/2019 11:37:38 AM



#10

Methyl Iodide

Concen: 10.506 ug/l

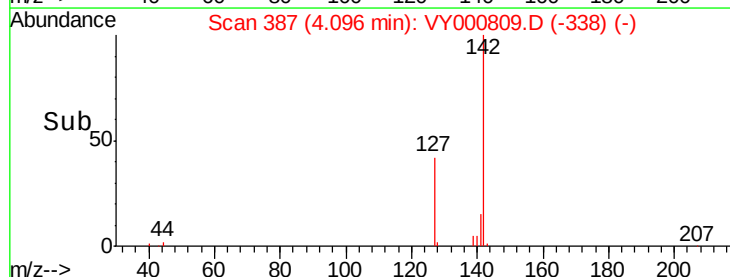
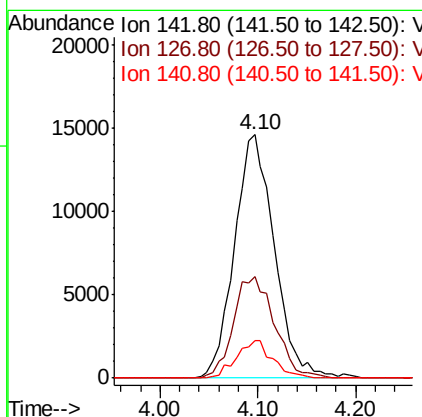
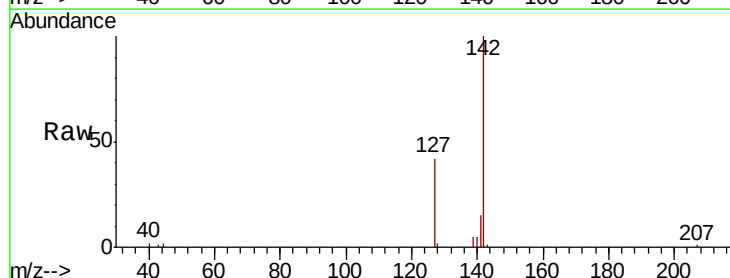
RT: 4.10 min Scan# 387

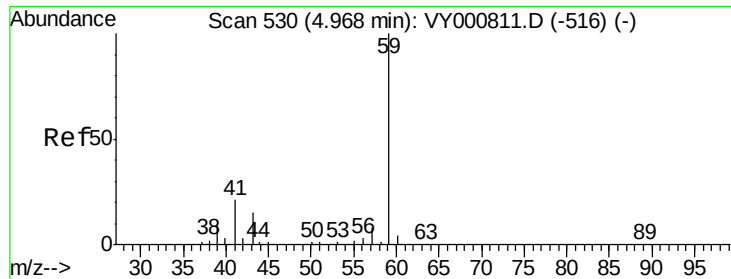
Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Tgt Ion:	142	Resp:	41296
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.8
141	14.1	10.9	16.3





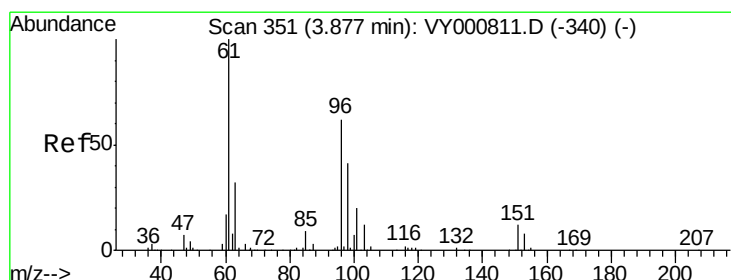
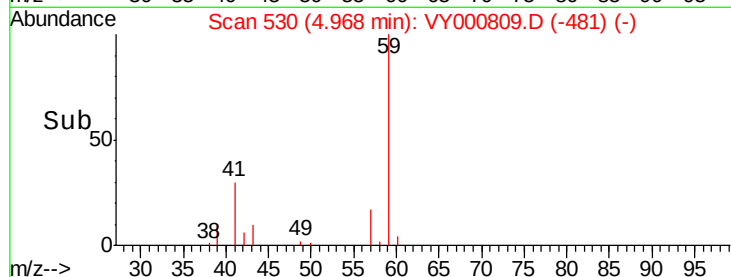
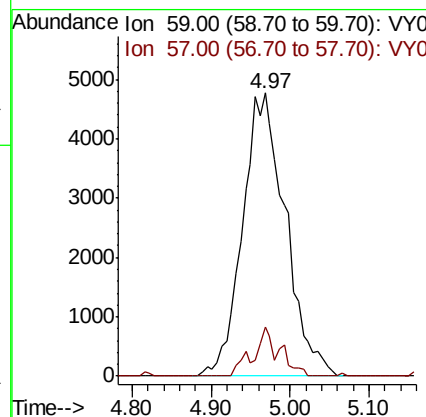
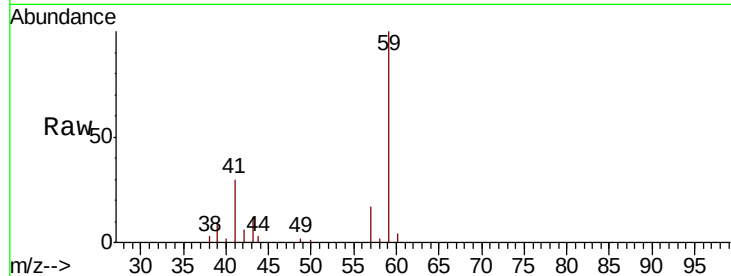
#11
Tert butyl alcohol
Concen: 54.278 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.8	11.6

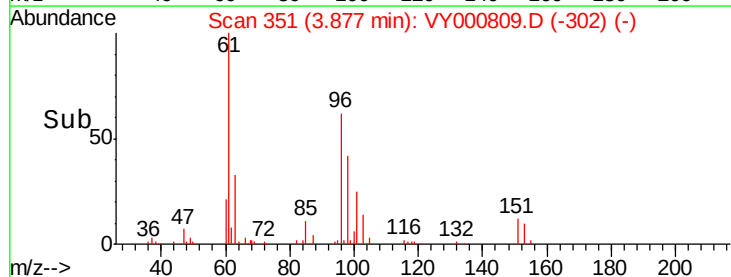
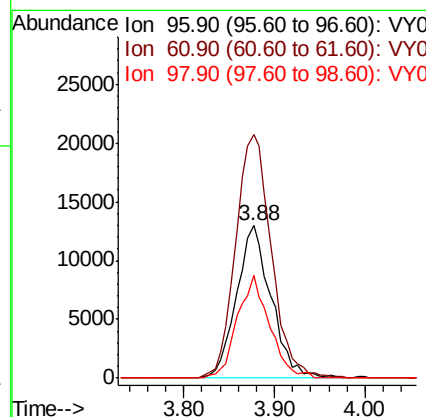
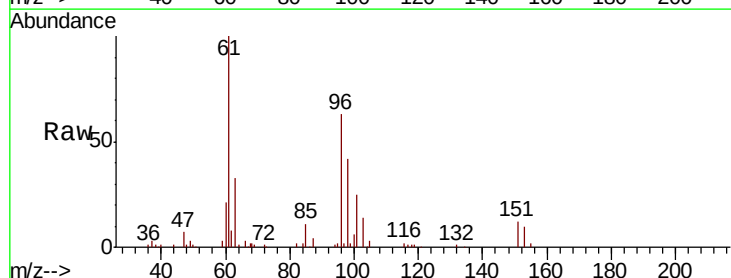
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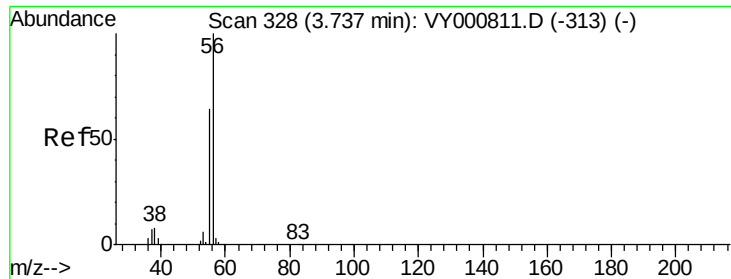
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.772 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	129.4	194.2
98	67.6	53.4	80.0





#13

Acrolein

Concen: 63.549 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 18216

Ion Ratio Lower Upper

56 100

55 73.2

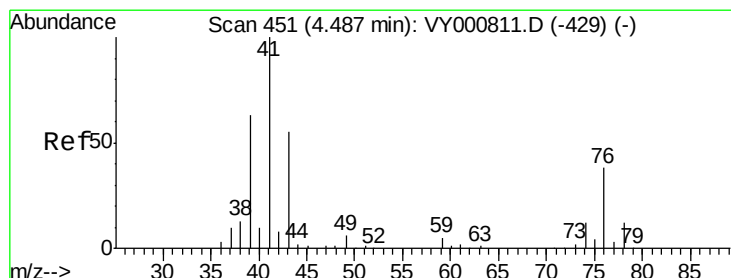
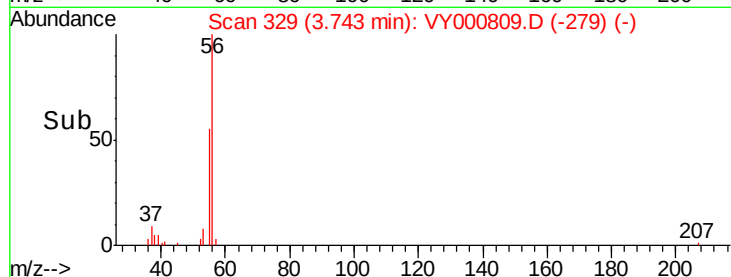
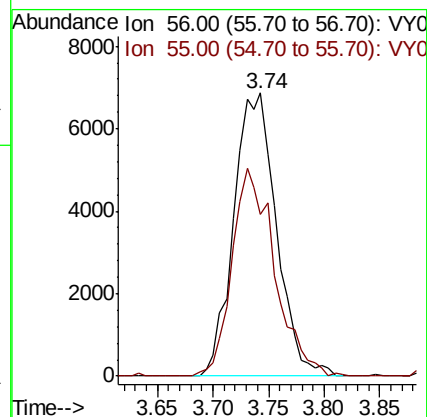
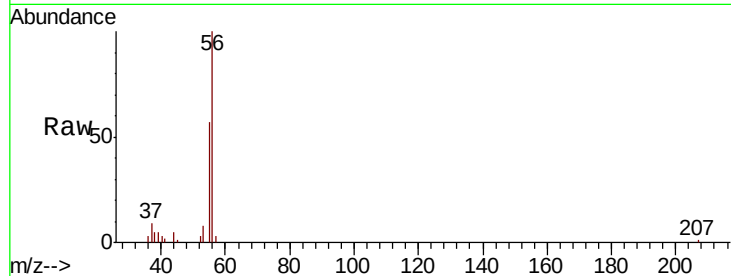
55.7 83.5

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#14

Allyl chloride

Concen: 10.773 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Tgt Ion: 41 Resp: 57333

Ion Ratio Lower Upper

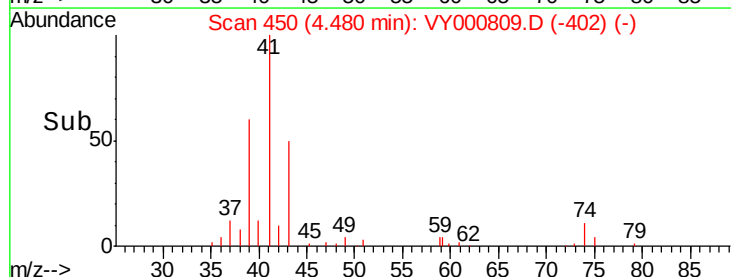
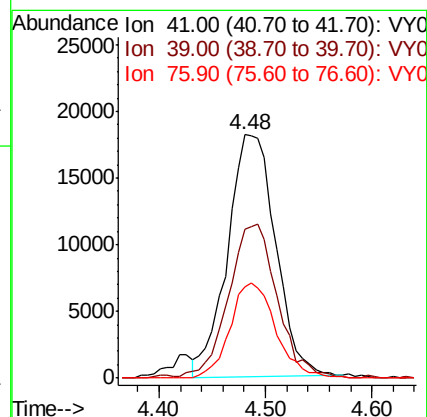
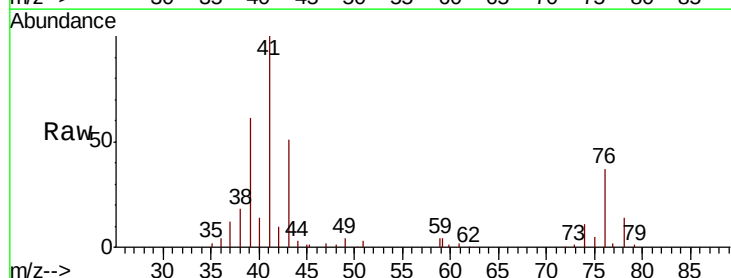
41 100

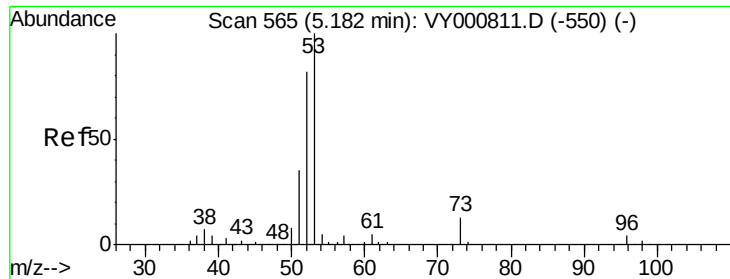
39 64.5

76 37.4

49.2 73.8

29.2 43.8





#15

Acrylonitrile

Concen: 57.493 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

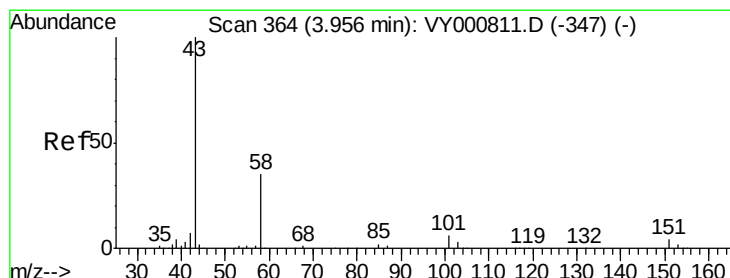
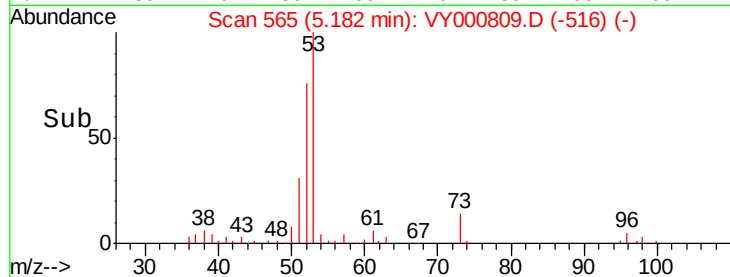
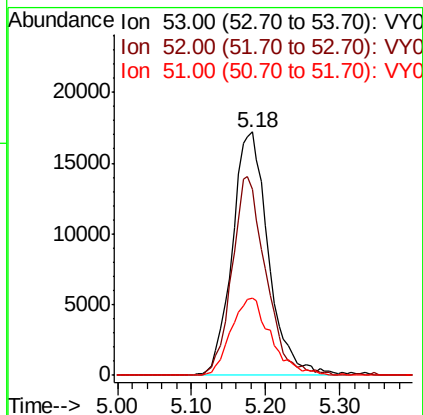
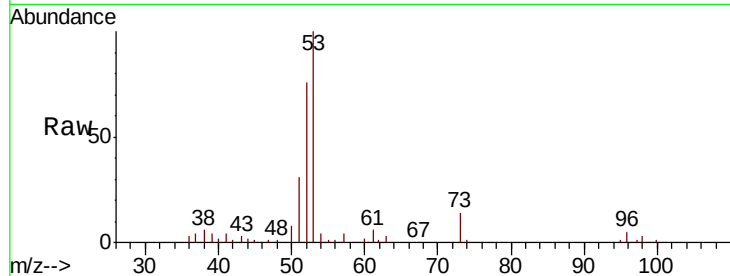
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	58294
Ion	Ratio	Lower	Upper
53	100		
52	76.7	65.1	97.7
51	34.9	29.0	43.4

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#16

Acetone

Concen: 48.644 ug/l

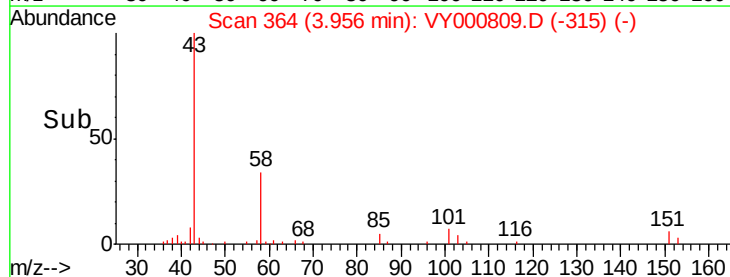
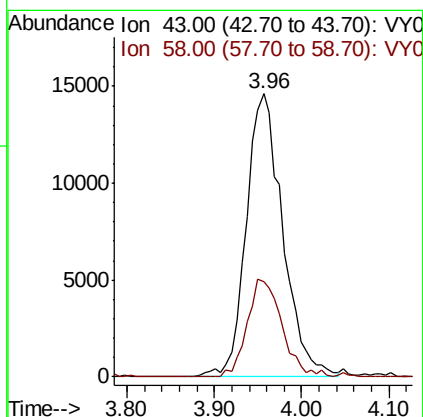
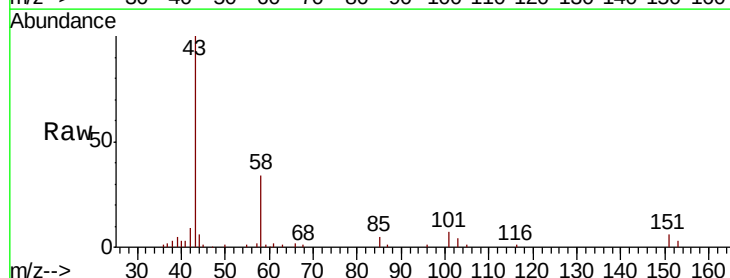
RT: 3.96 min Scan# 364

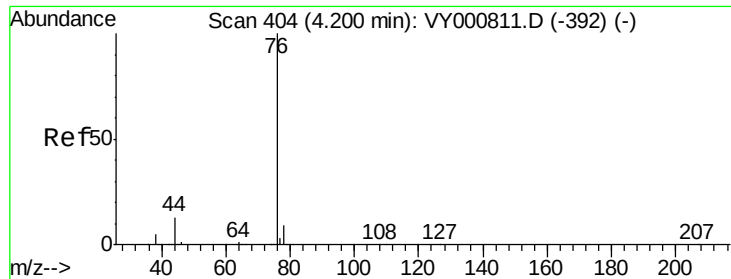
Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Tgt Ion:	43	Resp:	42313
Ion	Ratio	Lower	Upper
43	100		
58	33.7	28.0	42.0





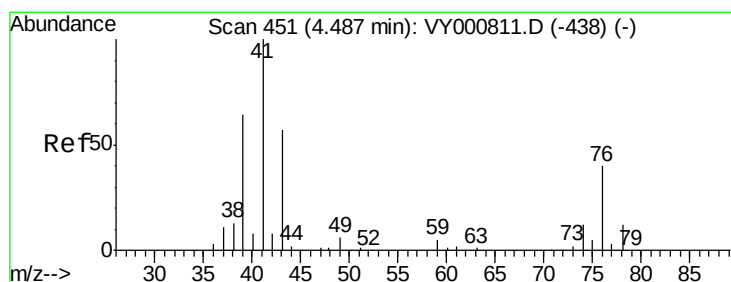
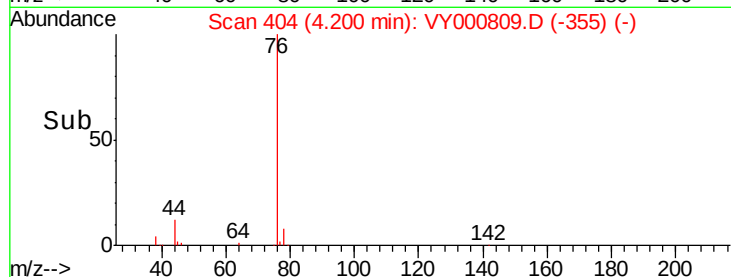
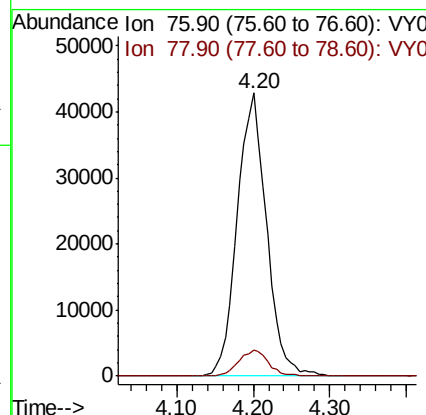
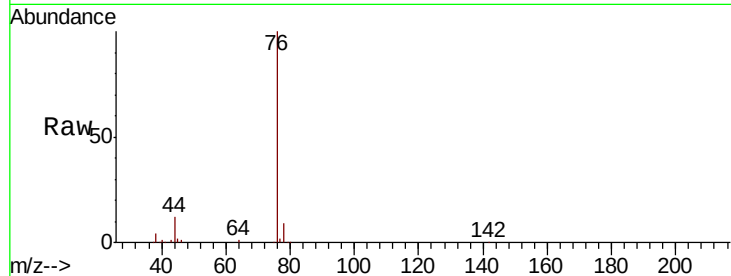
#17
Carbon Disulfide
Concen: 11.153 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

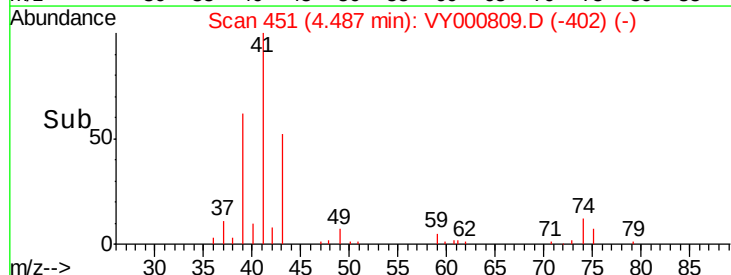
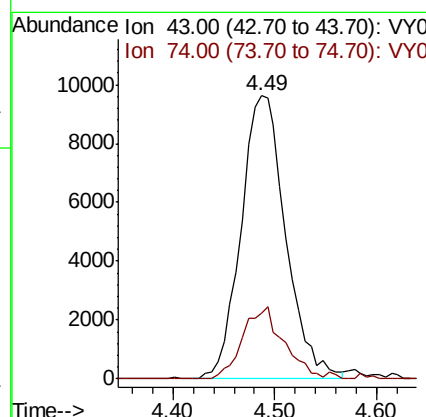
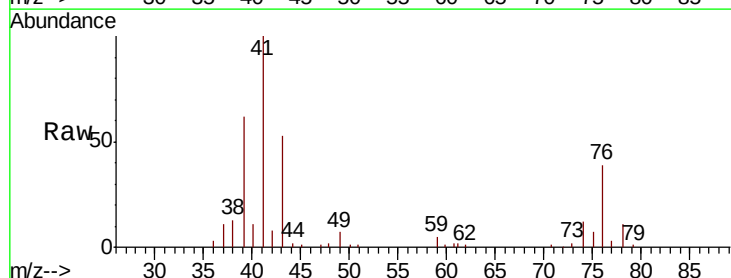
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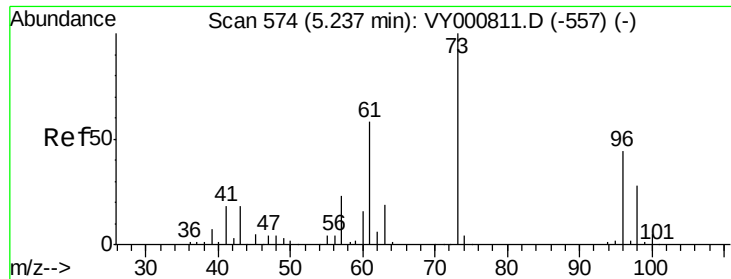
MMDadoda
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#18
Methyl Acetate
Concen: 10.045 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.5	27.7





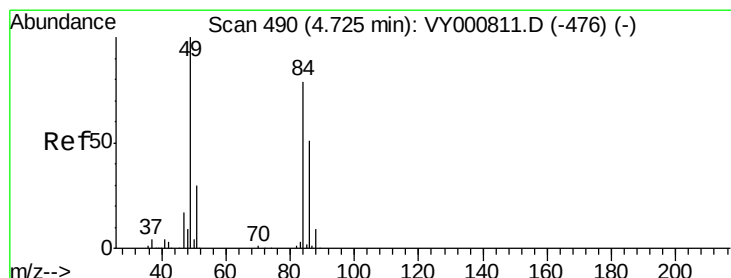
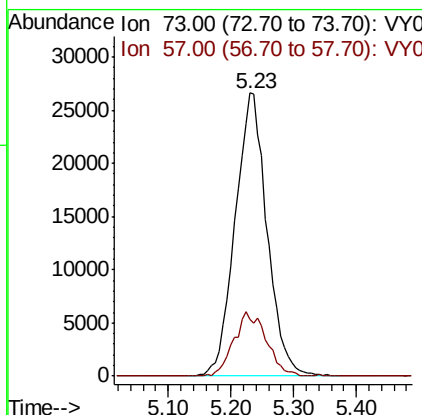
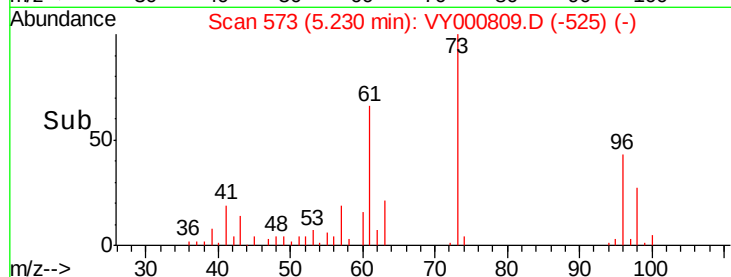
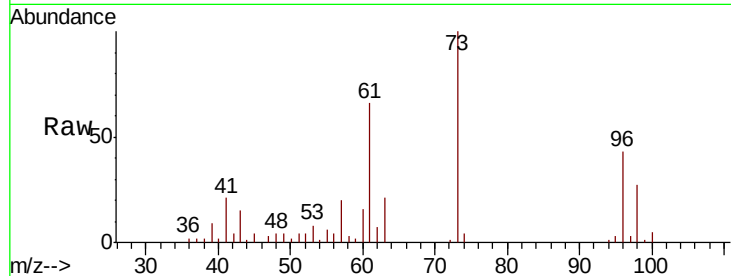
#19
Methyl tert-butyl Ether
Concen: 10.381 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 93470
Ion Ratio Lower Upper
73 100
57 20.1 18.2 27.4

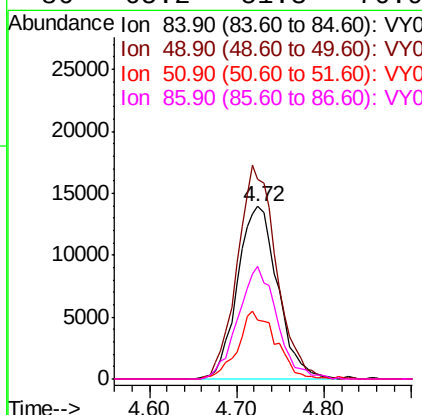
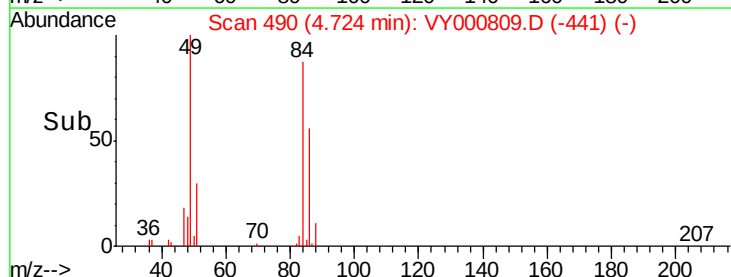
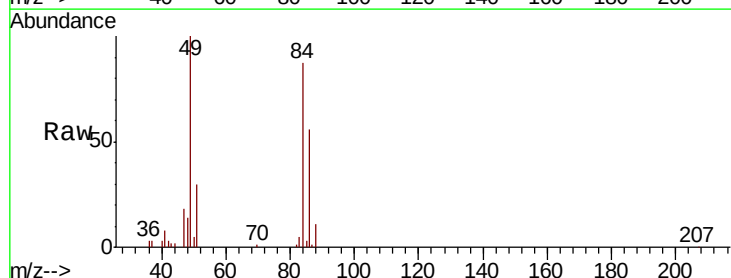
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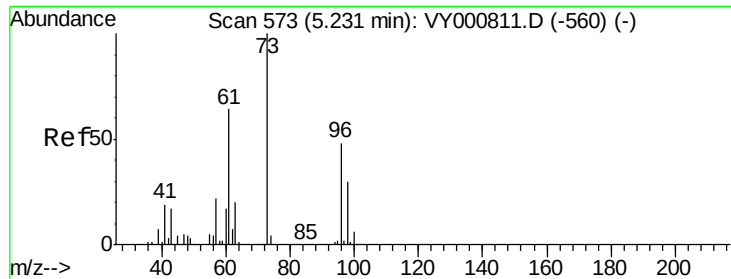
MMDadoda
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#20
Methylene Chloride
Concen: 11.261 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion: 84 Resp: 44548
Ion Ratio Lower Upper
84 100
49 115.5 101.3 151.9
51 34.2 30.6 45.8
86 65.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 10.645 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

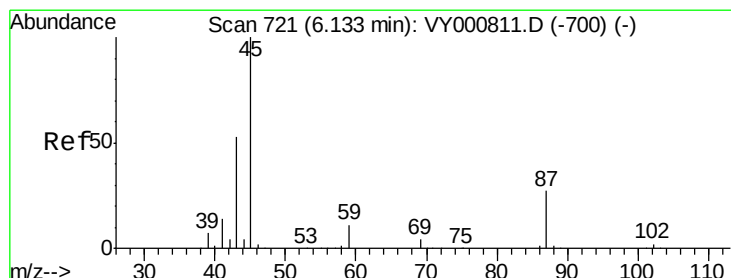
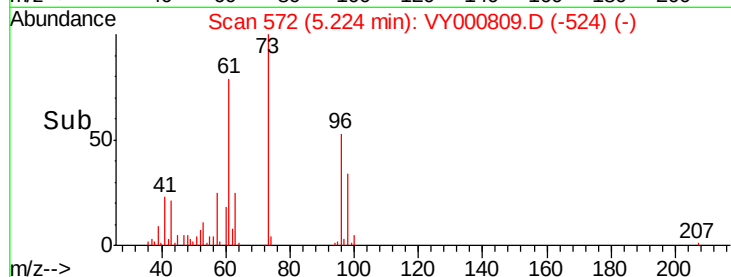
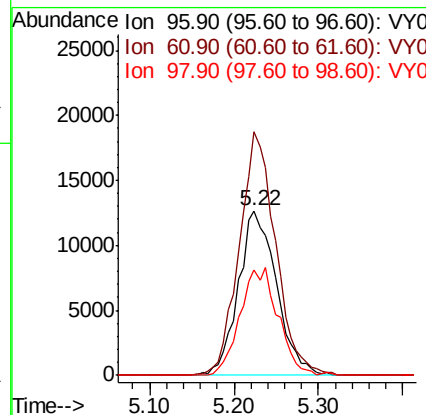
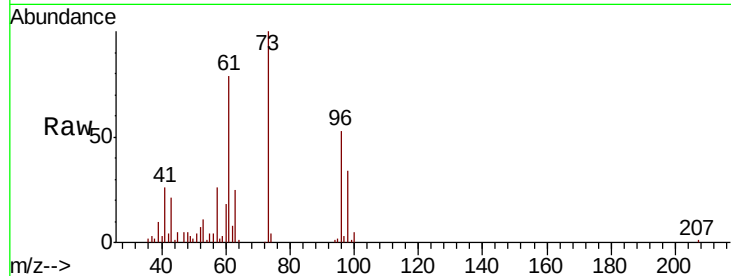
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	38851
Ion	Ratio	Lower	Upper
96	100		
61	147.8	105.9	158.9
98	64.1	49.4	74.2

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#22

Diisopropyl ether

Concen: 11.076 ug/l

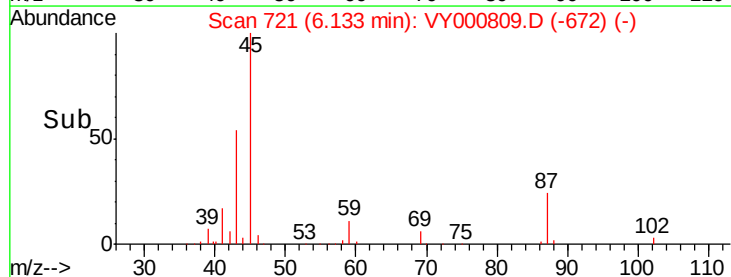
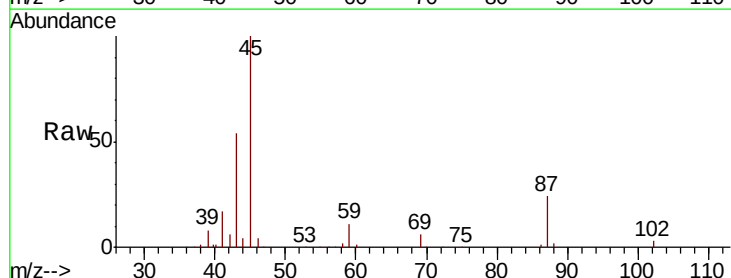
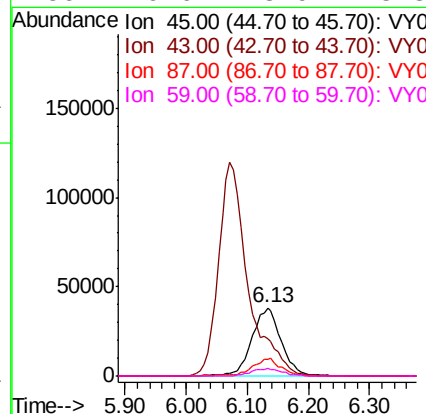
RT: 6.13 min Scan# 721

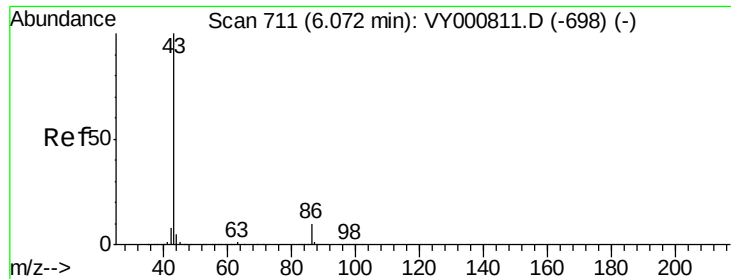
Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Tgt Ion:	45	Resp:	127035
Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.7	64.1
87	24.0	22.0	33.0
59	10.6	8.9	13.3





#23

Vinyl Acetate

Concen: 55.646 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 402972

Ion Ratio Lower Upper

43 100

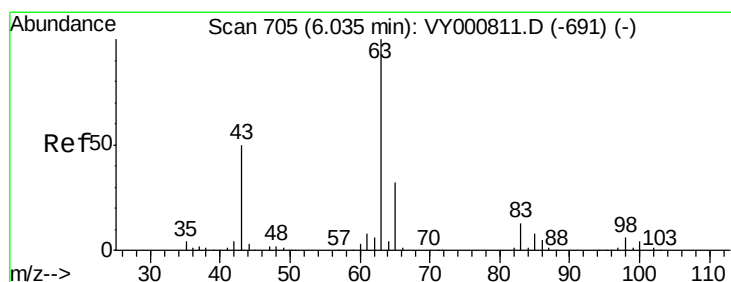
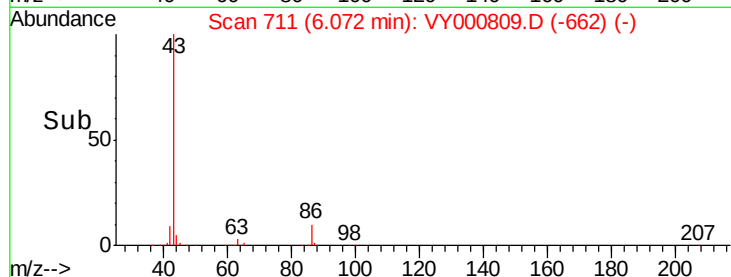
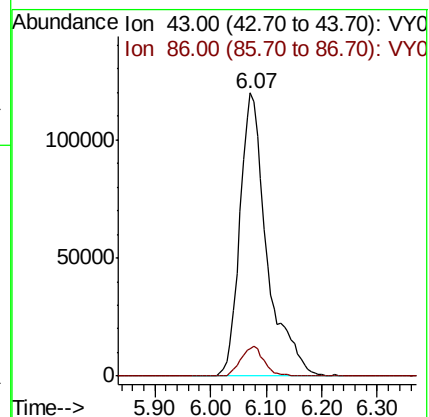
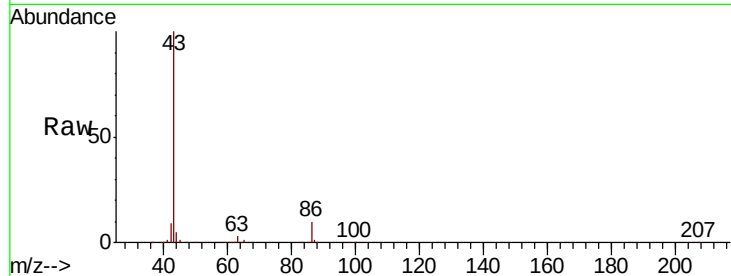
86 9.8 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 10.941 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

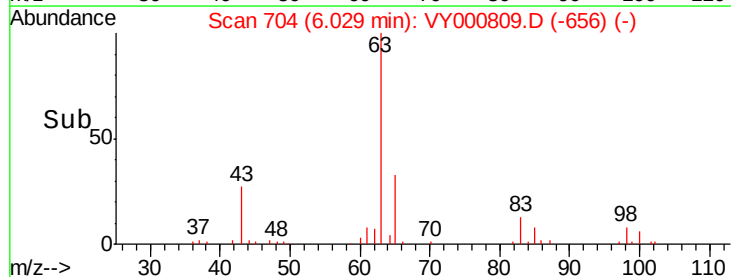
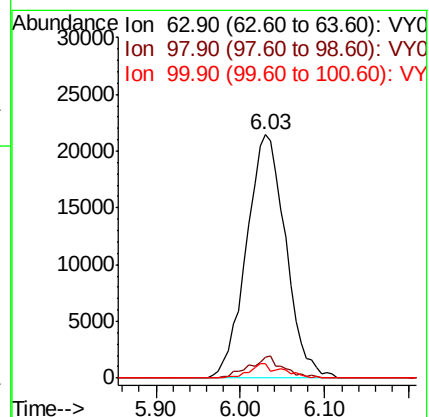
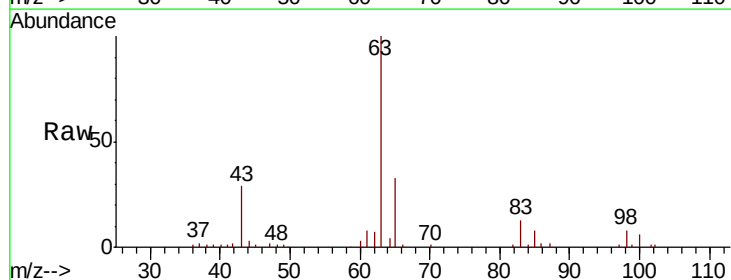
Tgt Ion: 63 Resp: 68190

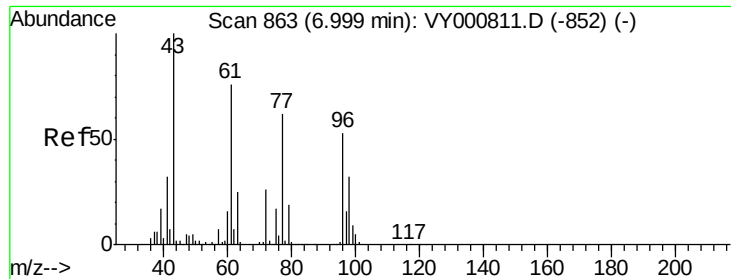
Ion Ratio Lower Upper

63 100

98 8.4 3.3 9.8

100 6.0 2.2 6.6





#25

2-Butanone

Concen: 50.667 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 74099

Ion Ratio Lower Upper

43 100

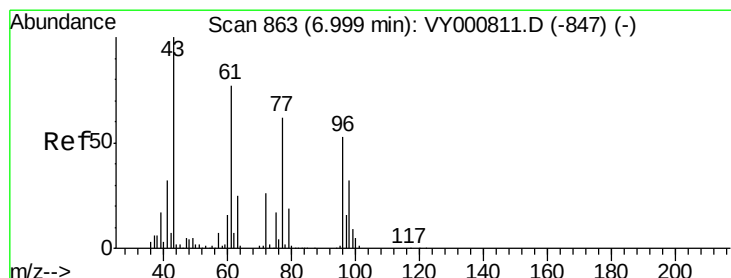
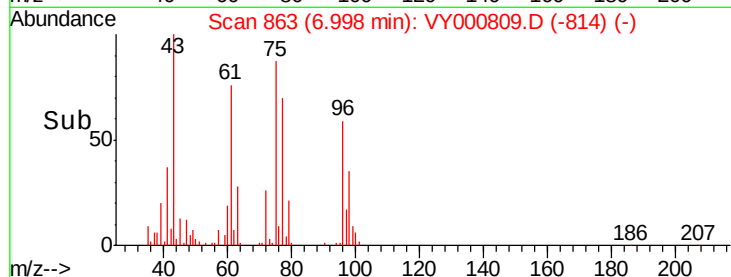
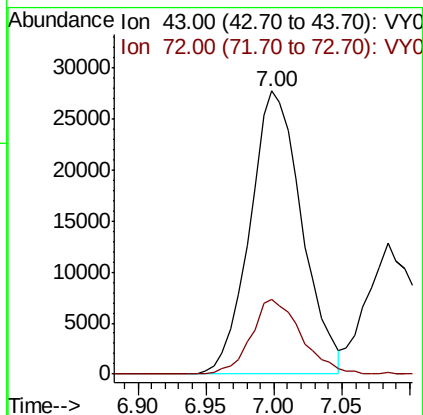
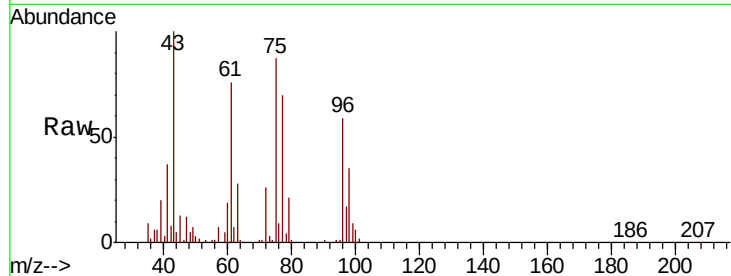
72 26.3 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.365 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000809.D

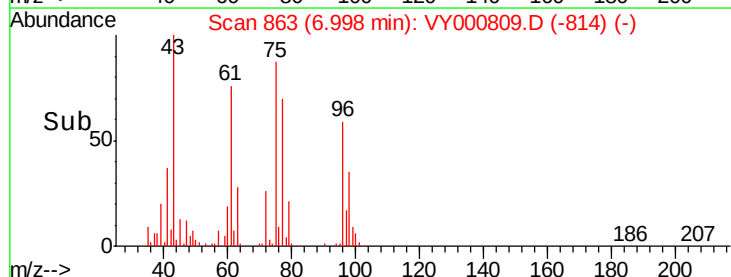
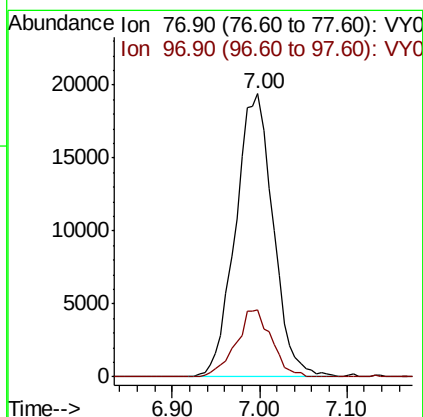
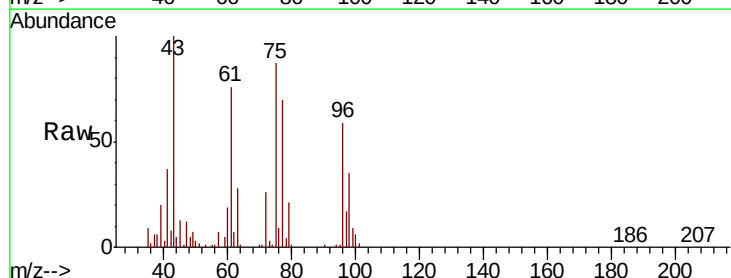
Acq: 27 Nov 2019 10:55

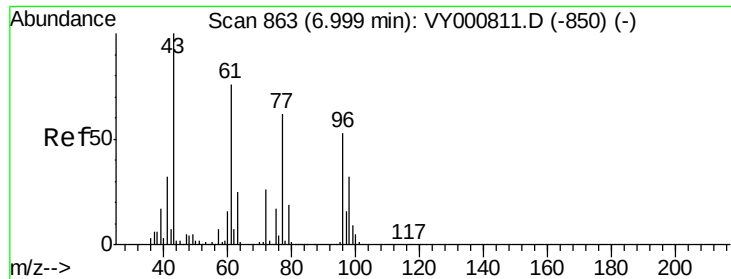
Tgt Ion: 77 Resp: 58119

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9





#27

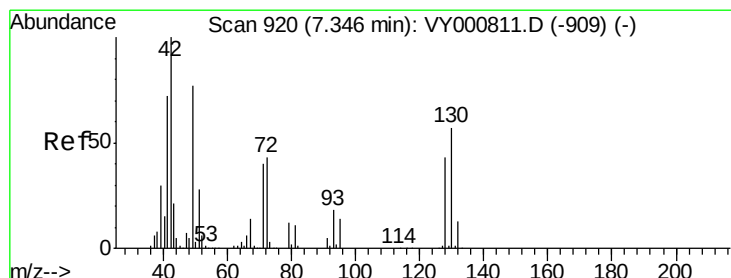
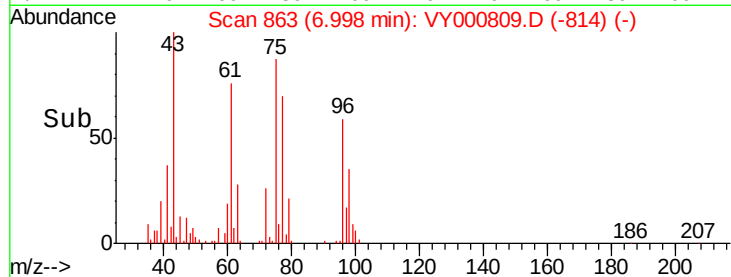
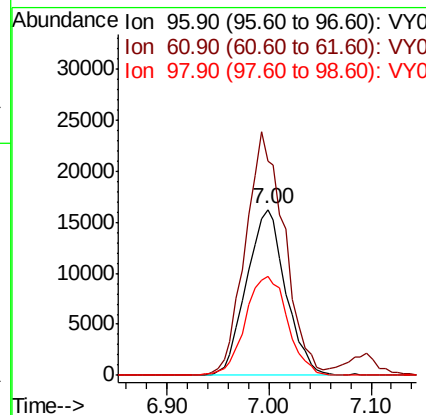
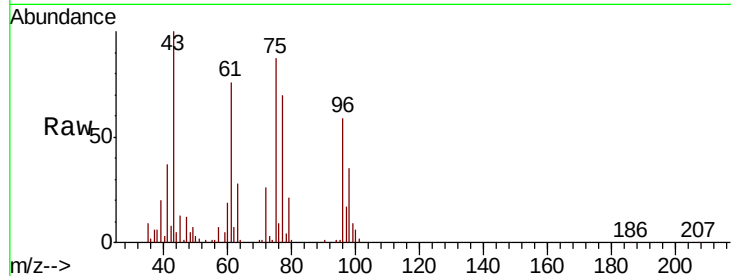
cis-1,2-Dichloroethene
Concen: 10.858 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	285.0
98	64.2	0.0	128.0

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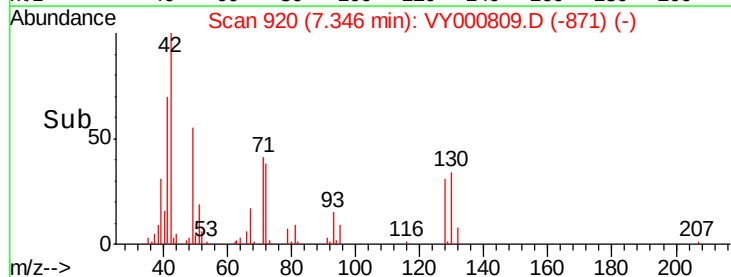
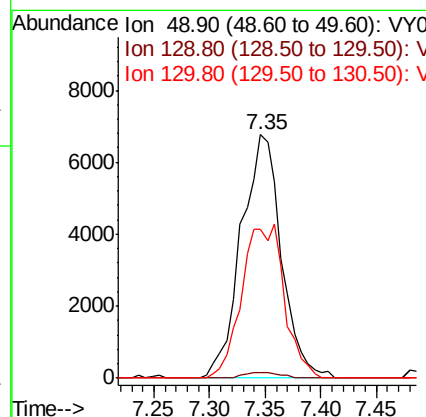
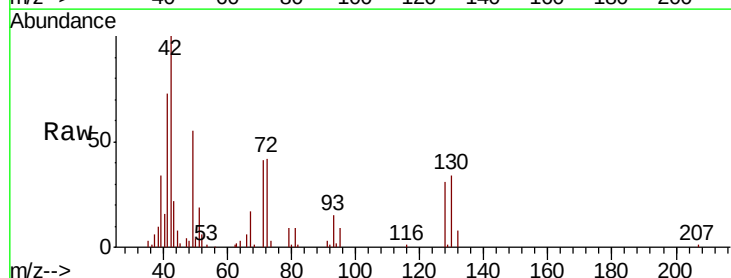
MMDadoda
12/2/2019 11:37:38 AM

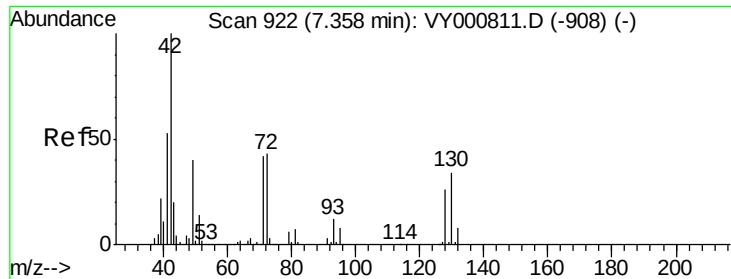


#28

Bromochloromethane
Concen: 7.071 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	66.6	58.7	88.1





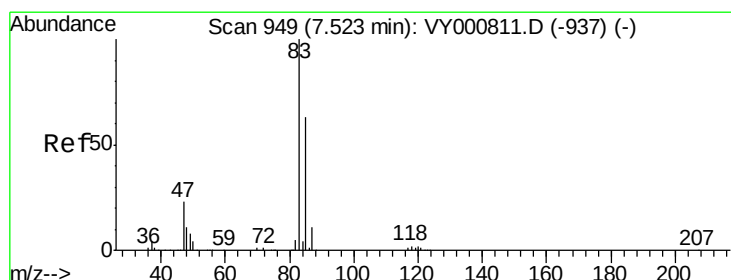
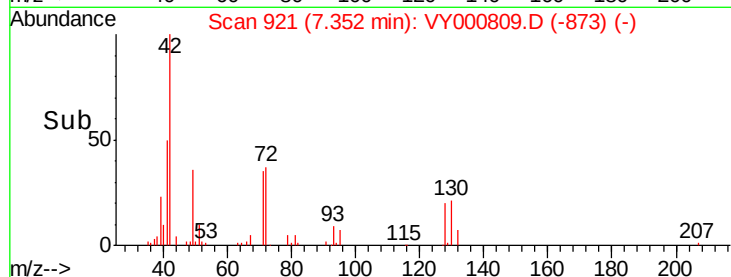
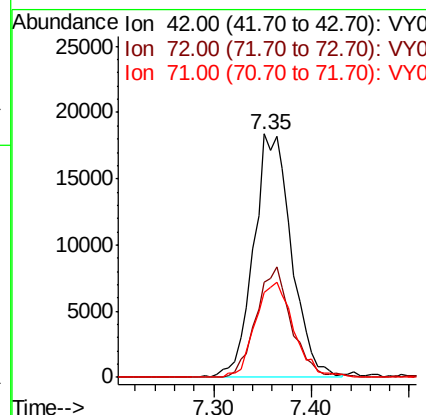
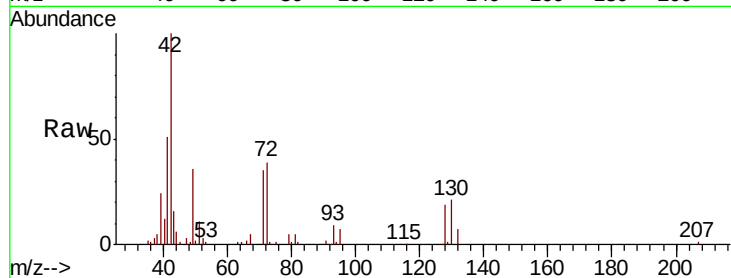
#29
Tetrahydrofuran
Concen: 54.574 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.1	52.7
71	39.6	32.8	49.2

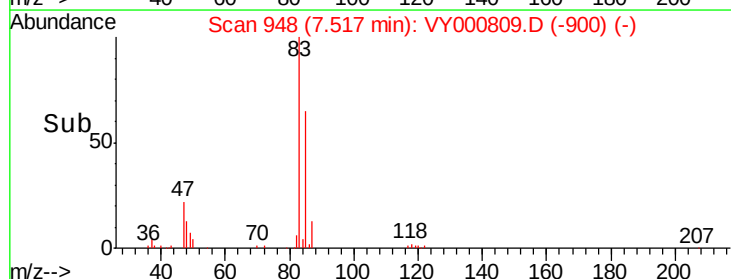
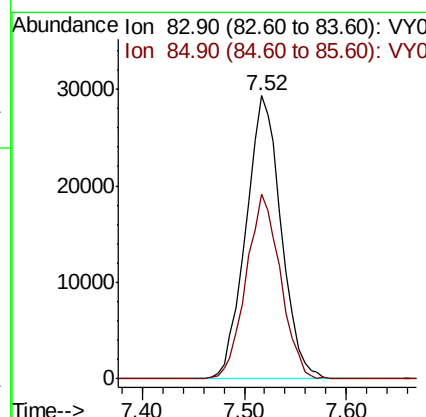
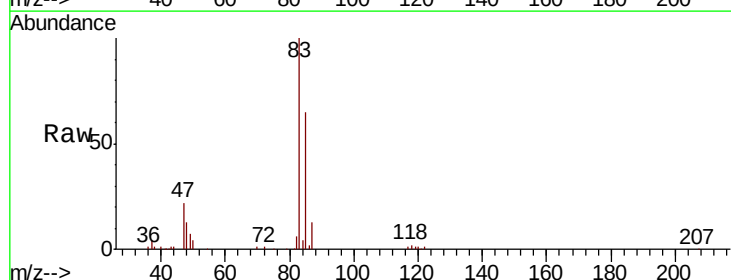
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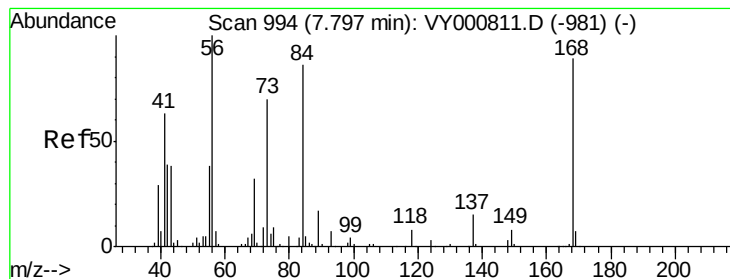
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12/2/2019 11:37:38 AM



#30
Chloroform
Concen: 11.294 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 11.406 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 74354

Ion Ratio Lower Upper

56 100

69 42.4 25.9 38.9#

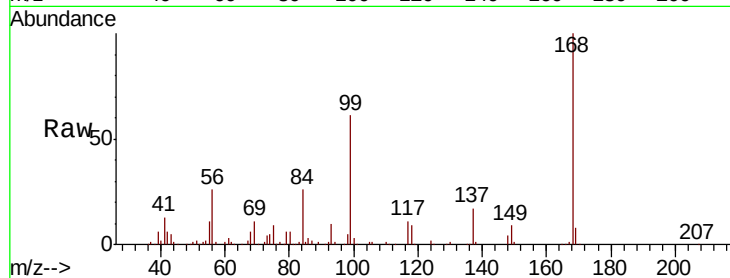
84 95.1 68.6 102.8

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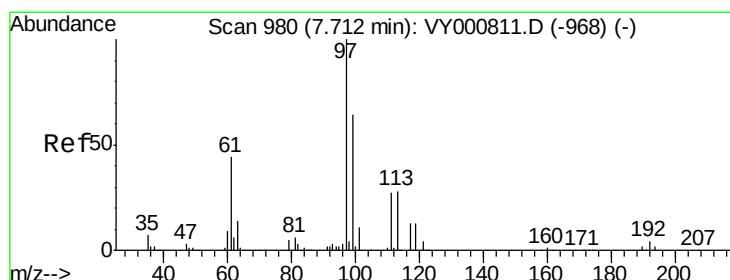
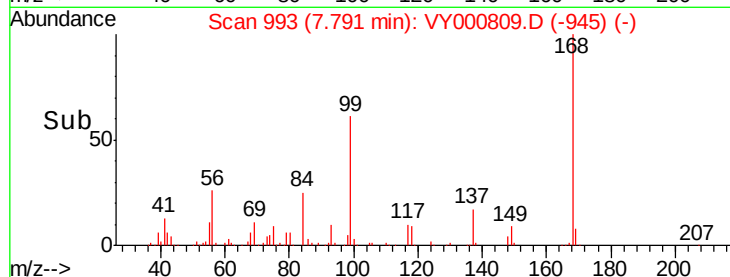
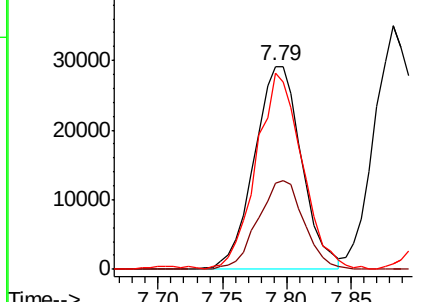
12/2/2019 11:37:38 AM



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: 10.391 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

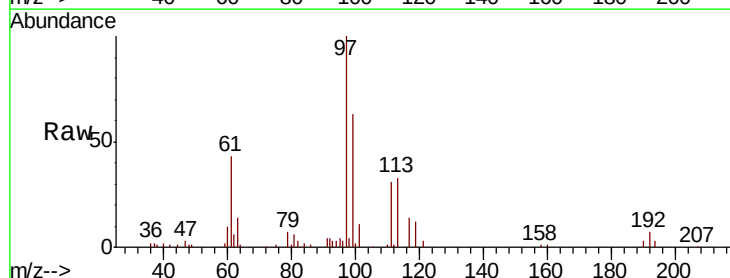
Tgt Ion: 97 Resp: 57187

Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

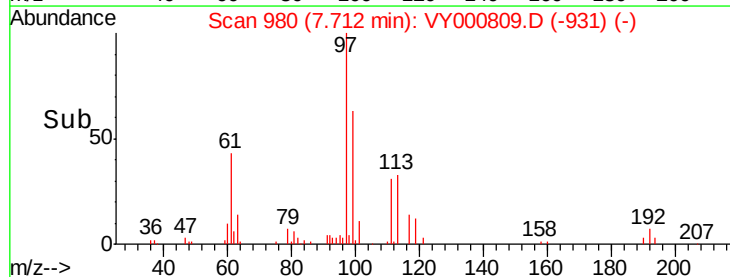
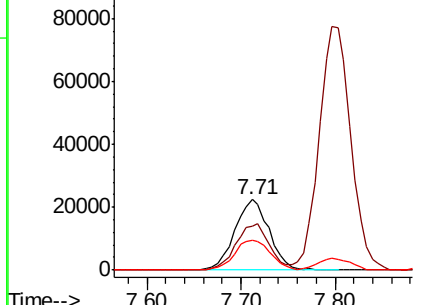
61 44.4 35.0 52.6

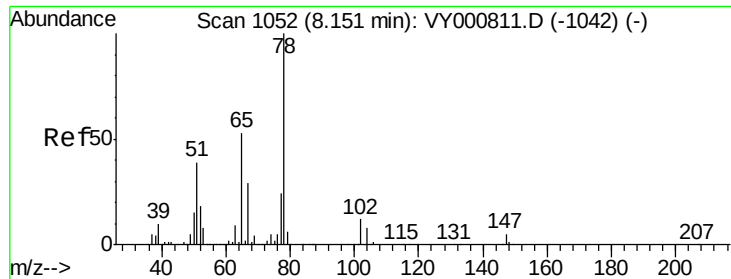


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





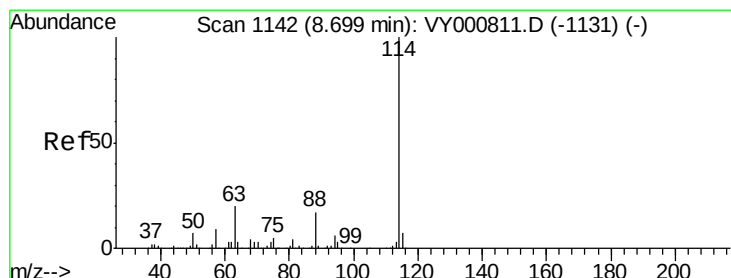
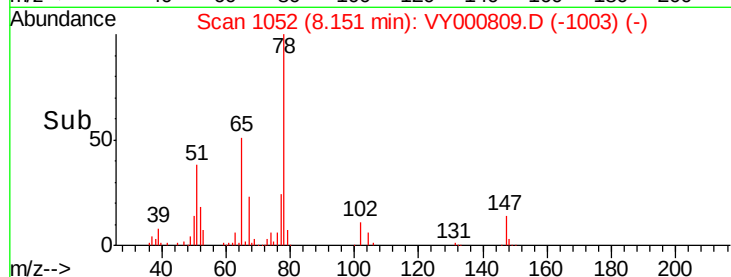
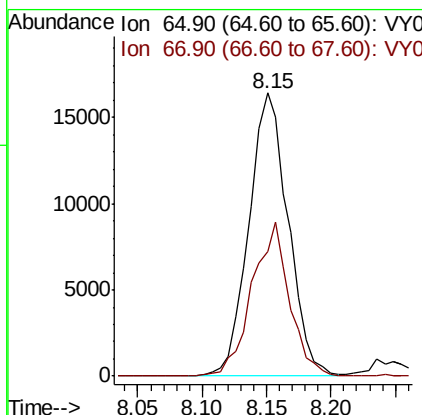
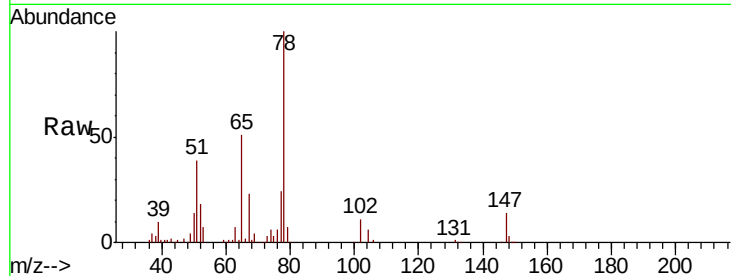
#33
 1,2-Dichloroethane-d4
 Concen: 10.661 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	112.0	

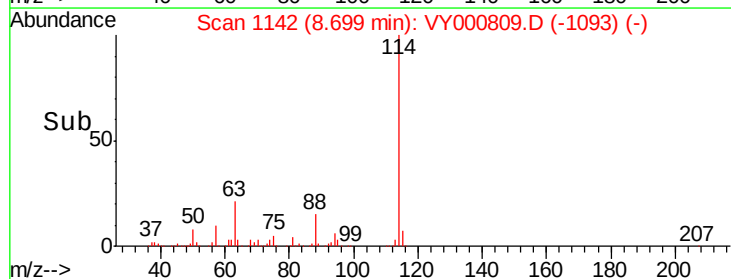
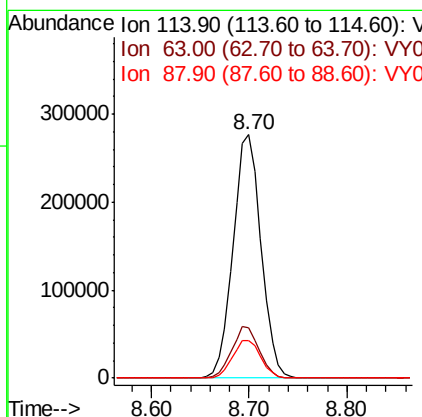
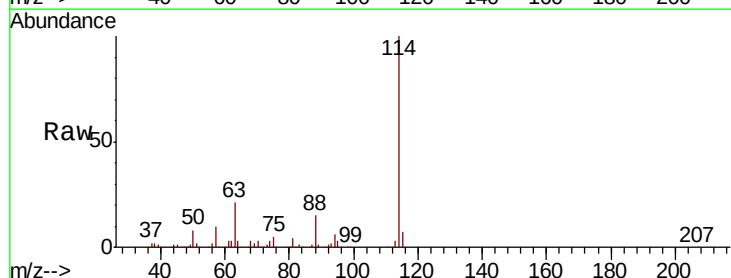
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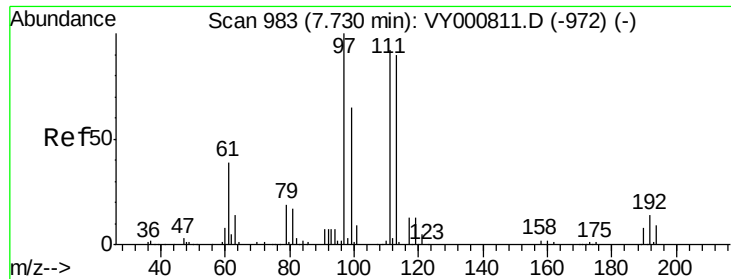
MMDadoda
 12/2/2019 11:37:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	39.8	
88	15.4	0.0	33.2	





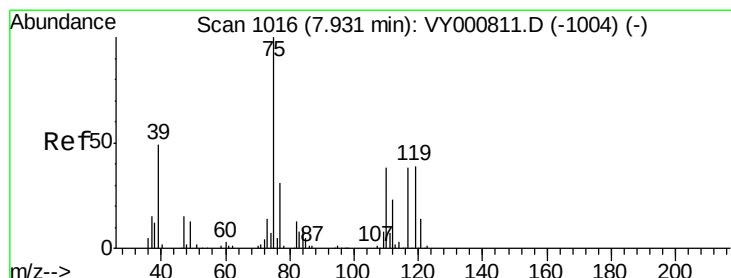
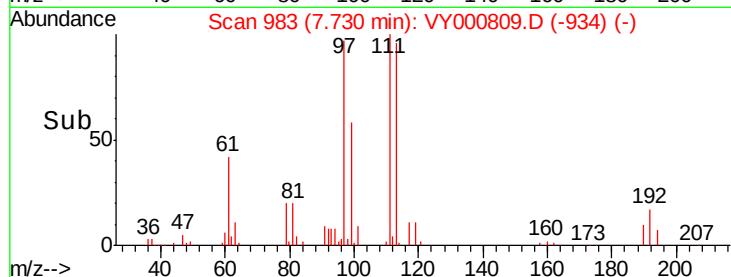
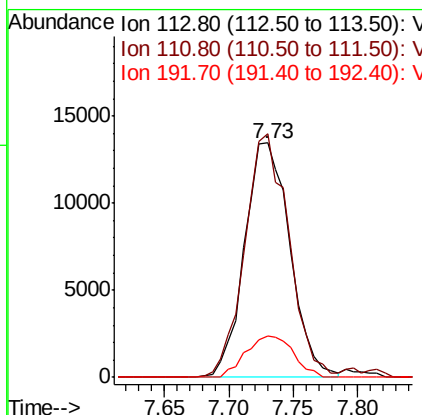
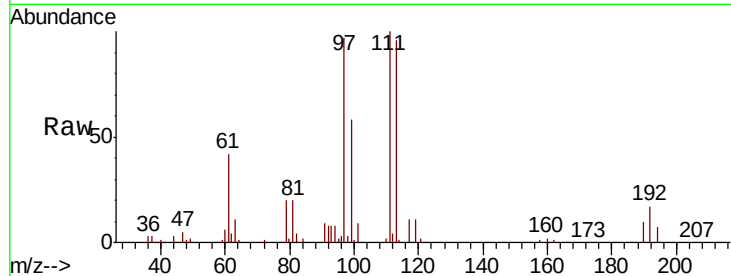
#35
 Dibromofluoromethane
 Concen: 10.341 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	18.5	14.2	21.2

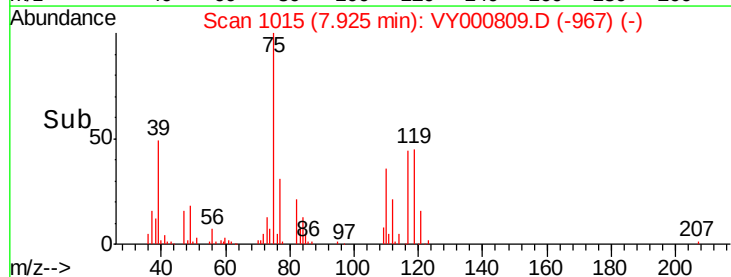
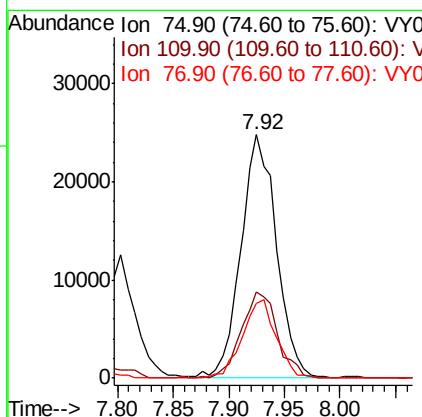
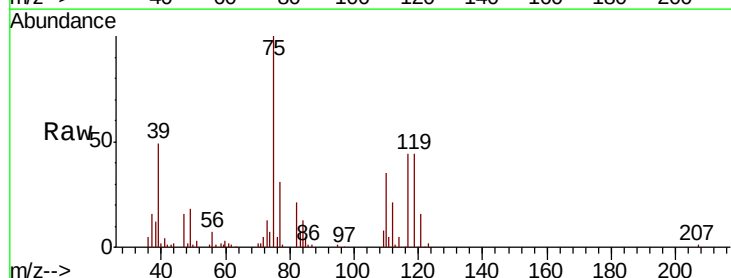
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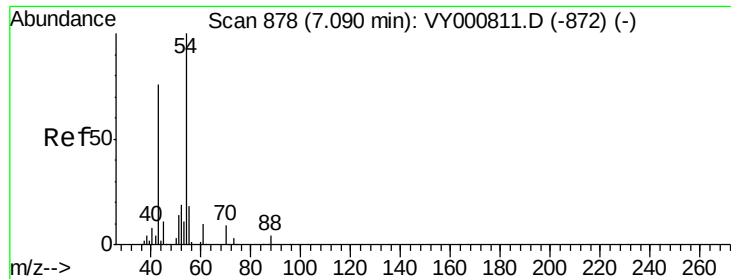
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#36
 1,1-Dichloropropene
 Concen: 10.509 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	30.6	24.7	37.1





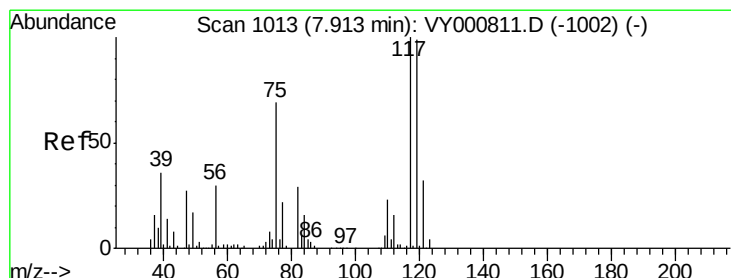
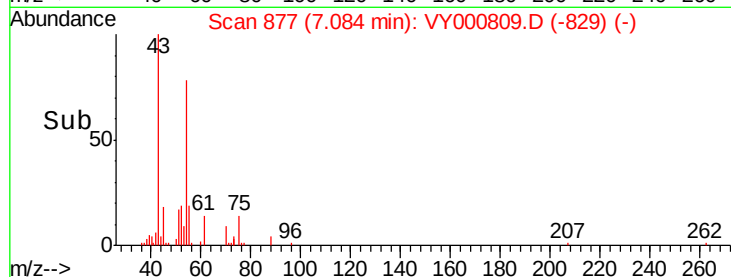
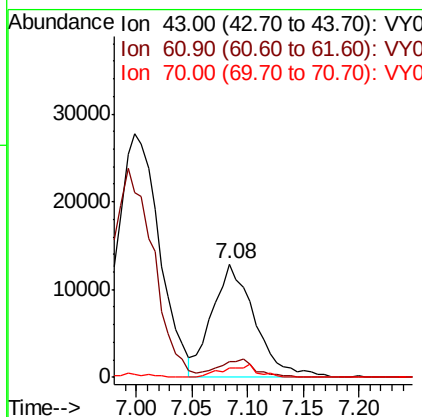
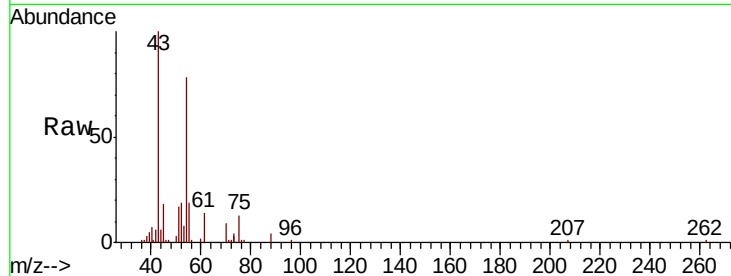
#37
Ethyl Acetate
Concen: 10.851 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	9.6	8.7	13.1

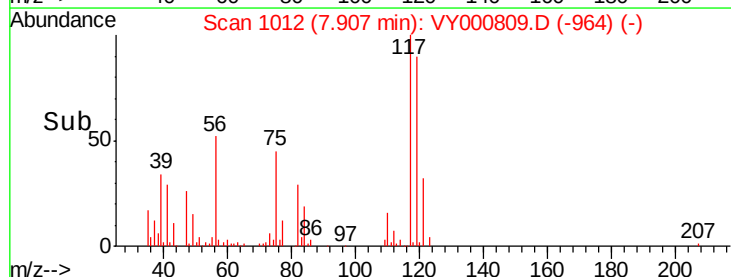
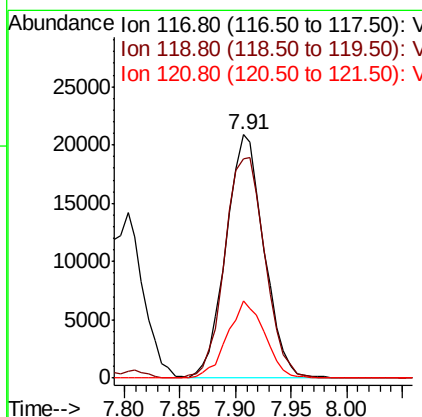
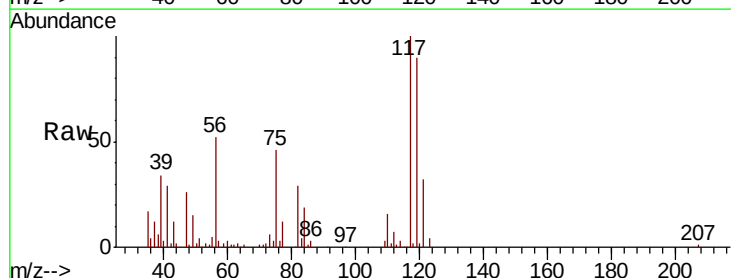
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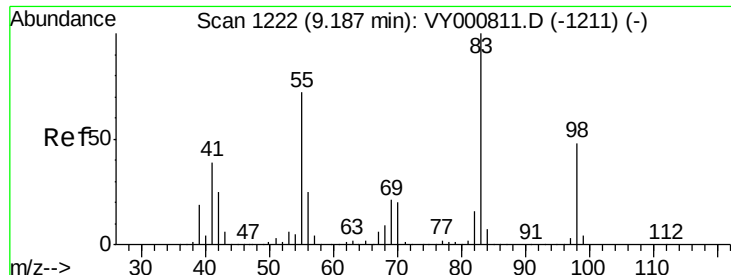
MMDadoda
12/2/2019 11:37:38 AM



#38
Carbon Tetrachloride
Concen: 9.937 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	79.3	118.9
121	31.9	25.5	38.3





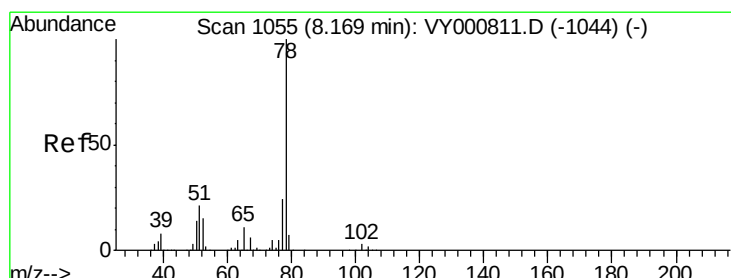
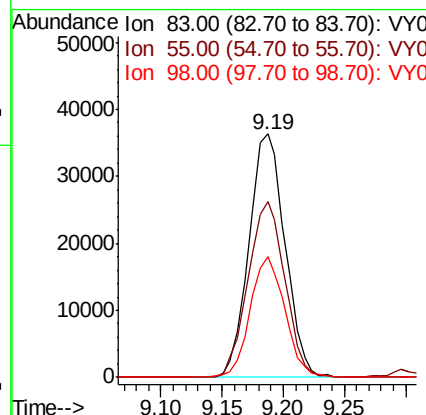
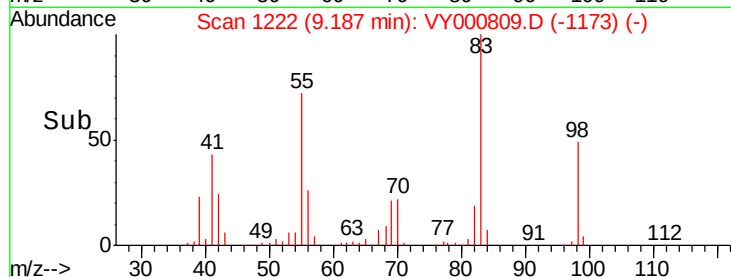
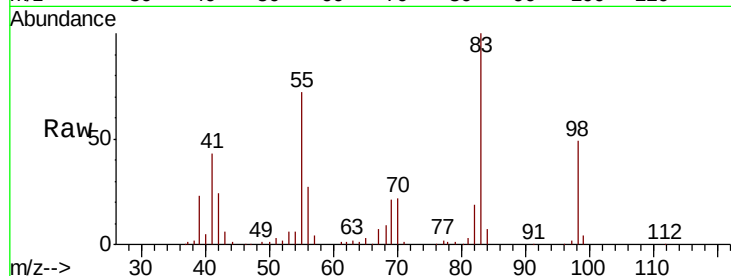
#39
Methylvlcyclohexane
Concen: 10.995 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.8	86.6
98	49.4	38.6	58.0

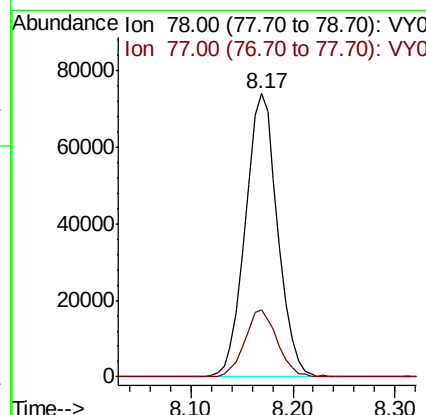
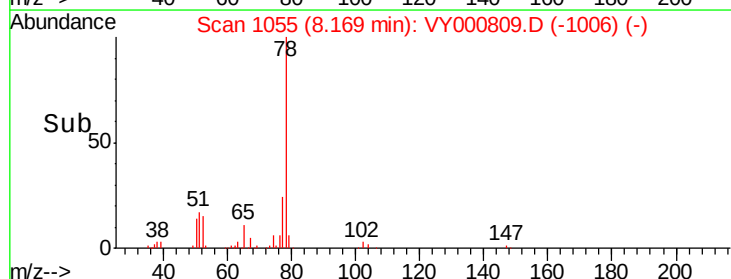
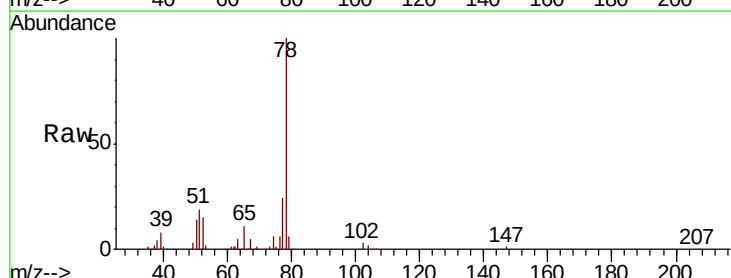
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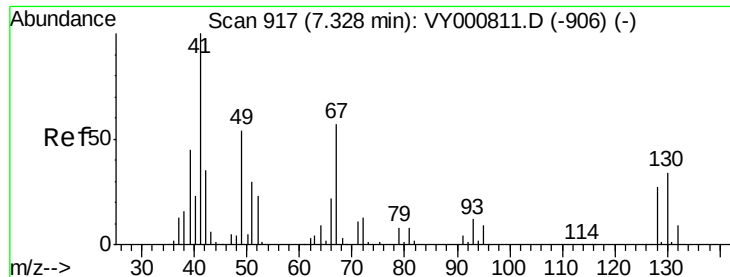
MMDadoda
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#40
Benzene
Concen: 10.538 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41

Methacrylonitrile

Concen: 9.578 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 16594

Ion Ratio Lower Upper

41 100

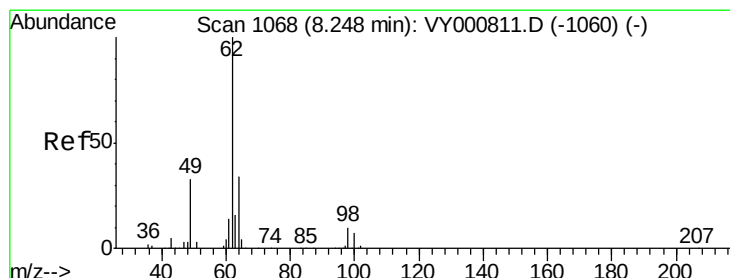
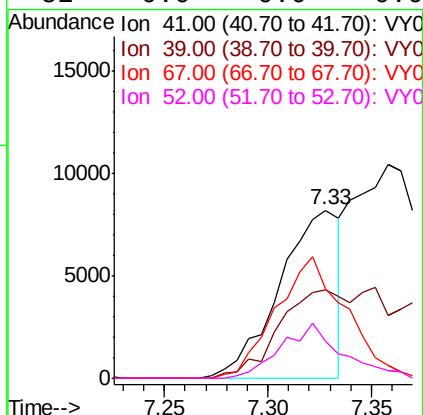
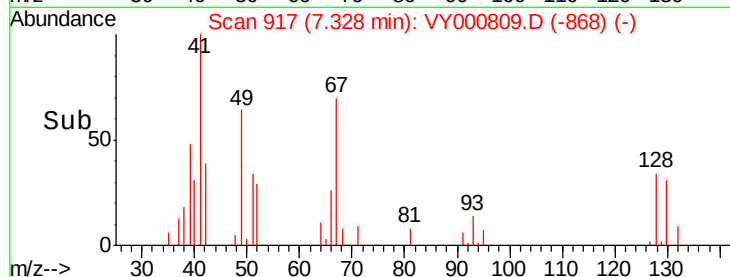
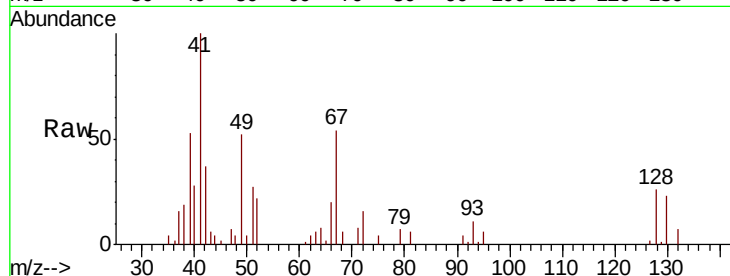
39 0.0 95.7 143.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
12/2/2019 11:37:38 AM



#42

1,2-Dichloroethane

Concen: 9.904 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000809.D

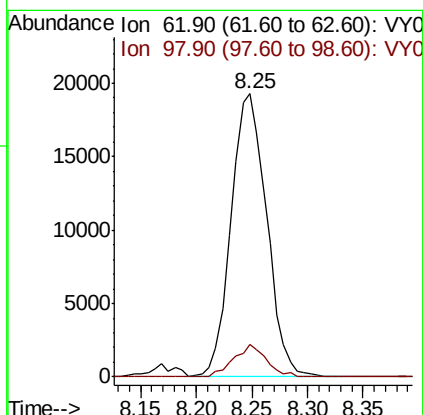
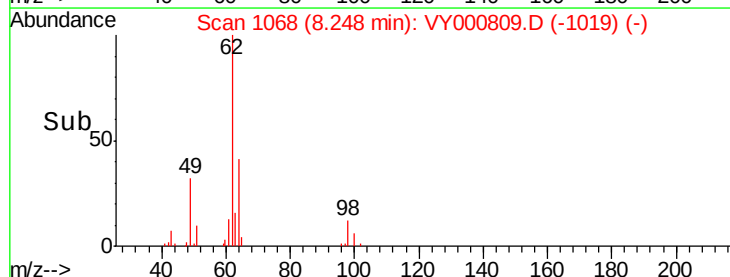
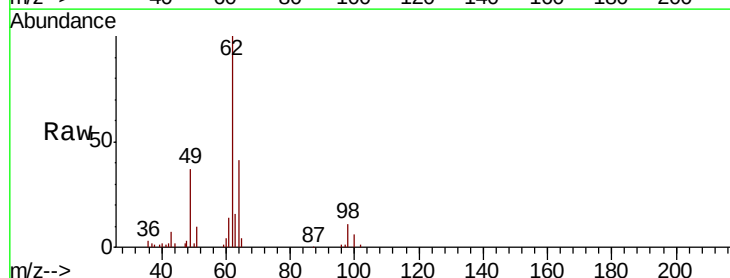
Acq: 27 Nov 2019 10:55

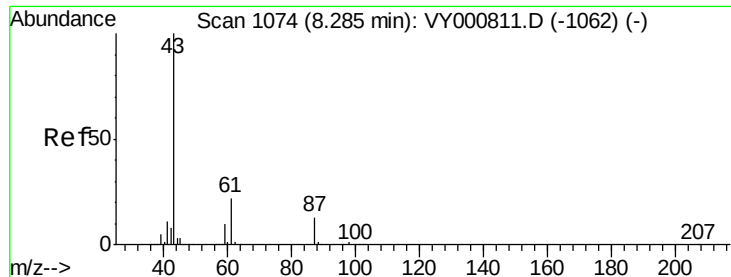
Tgt Ion: 62 Resp: 42712

Ion Ratio Lower Upper

62 100

98 10.3 0.0 21.4





#43

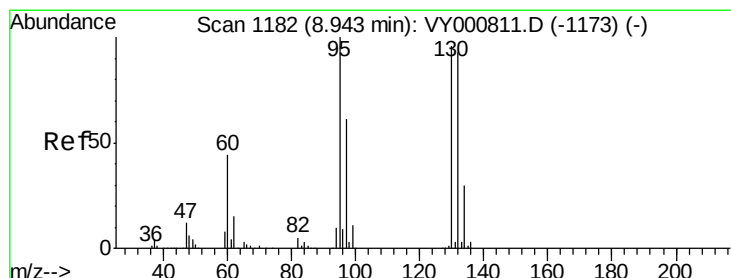
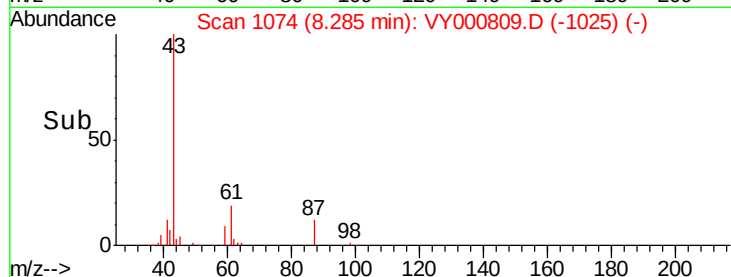
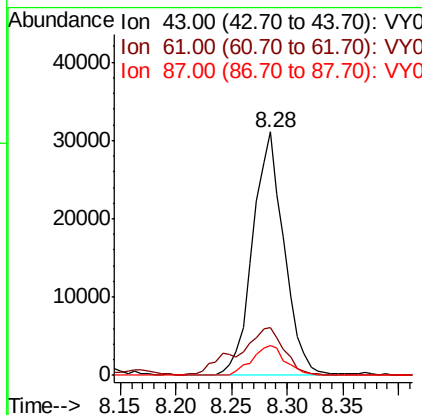
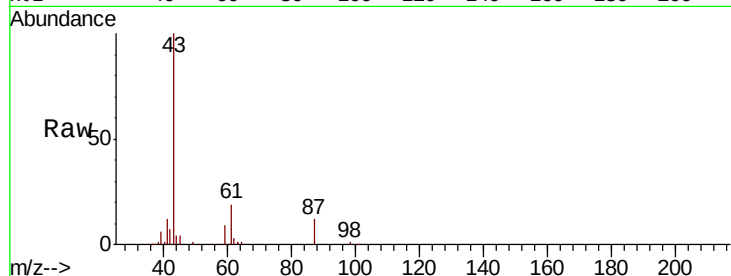
Isopropyl Acetate
 Concen: 10.343 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	43	61	87
Resp	61042		
Ratio	100	28.8	12.9
Lower		23.7	10.6
Upper		35.5	15.8

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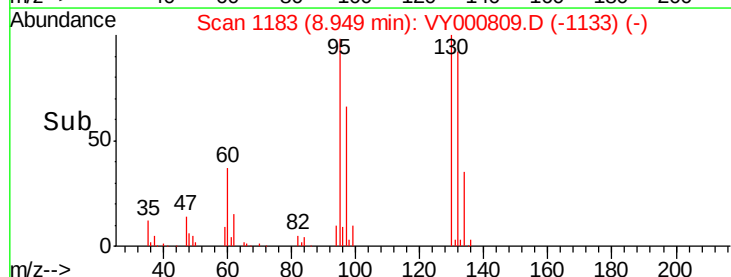
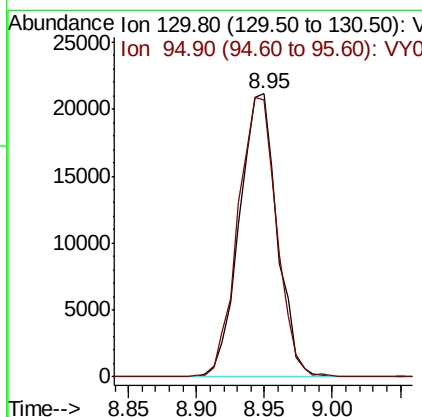
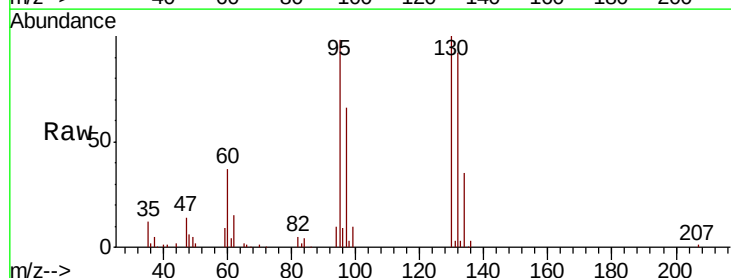
MMDadoda
 12/2/2019 11:37:38 AM

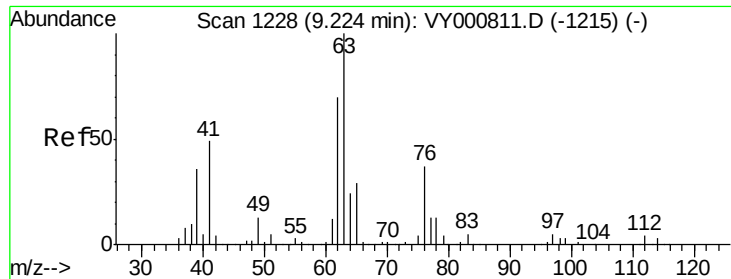


#44

Trichloroethene
 Concen: 10.124 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	130	95
Resp	40968	
Ratio	100	98.1
Lower		0.0
Upper		207.8





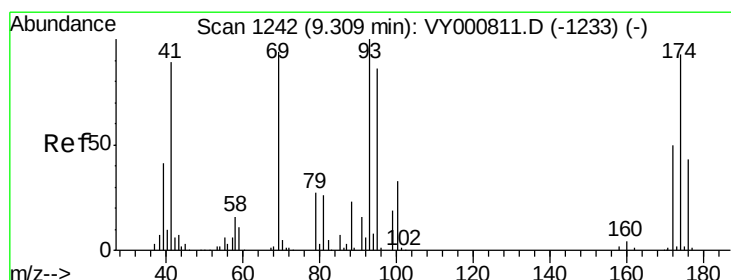
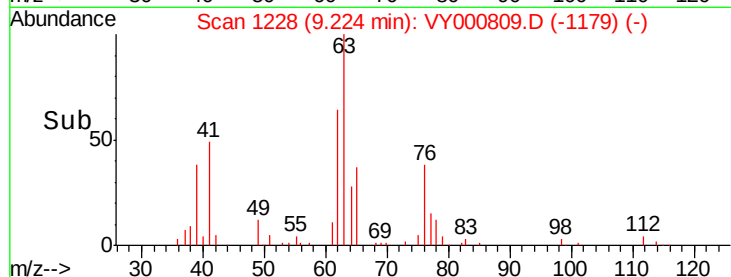
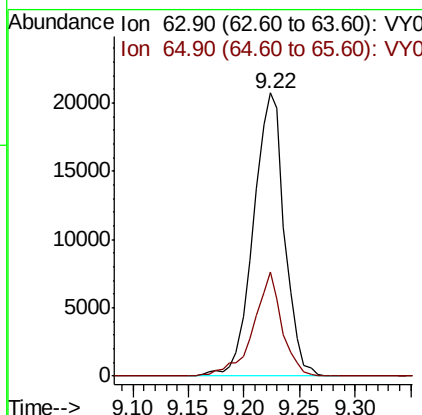
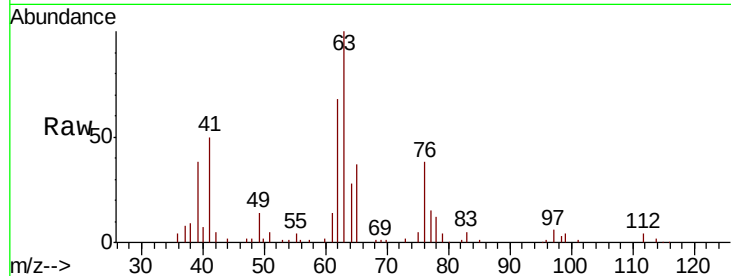
#45
 1,2-Dichloropropane
 Concen: 10.569 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 40341
 Ion Ratio Lower Upper
 63 100
 65 36.9 23.2 34.8#

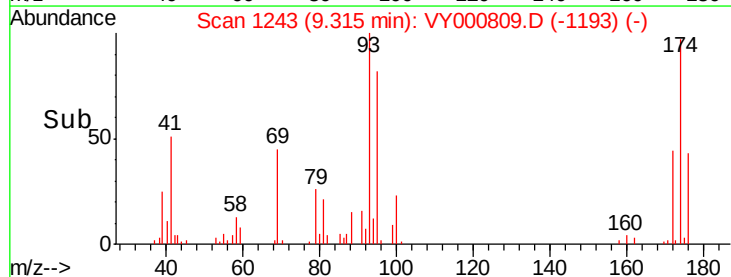
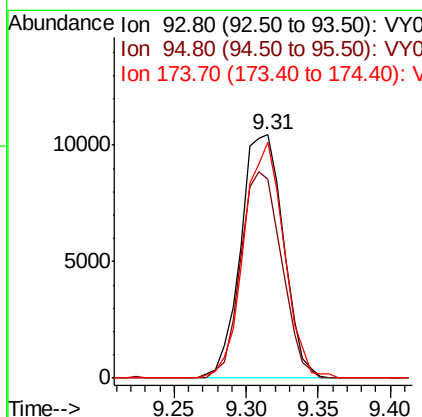
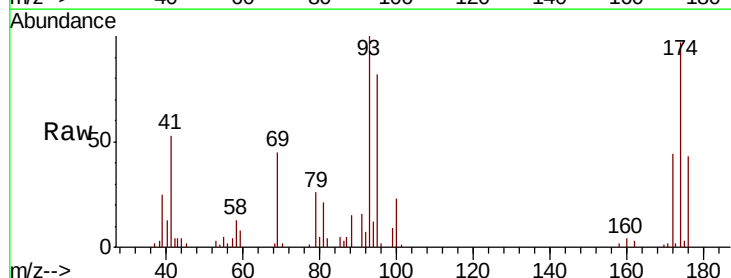
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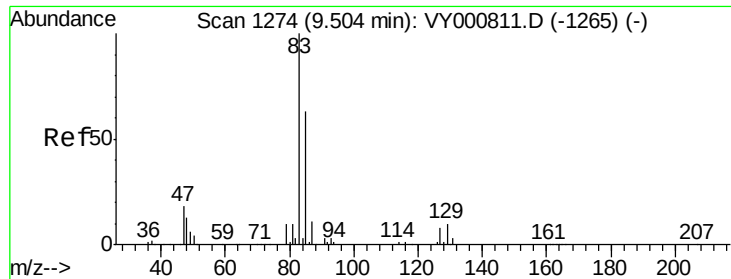
MMDadoda
 12/2/2019 11:37:38 AM



#46
 Dibromomethane
 Concen: 10.291 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion: 93 Resp: 21433
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.4 99.6
 174 90.9 73.0 109.6





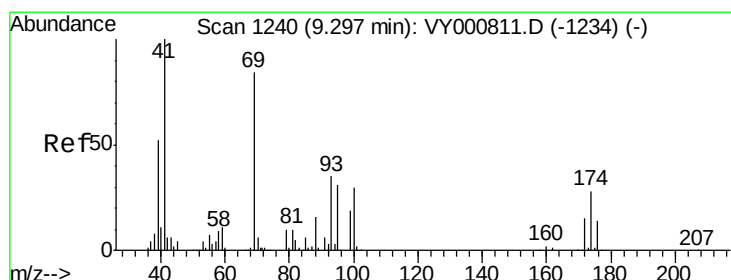
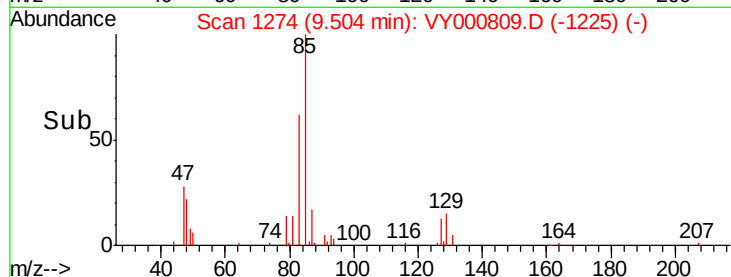
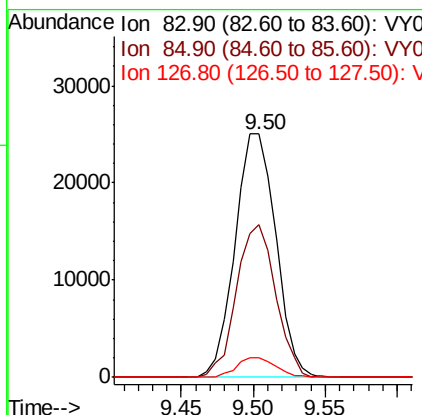
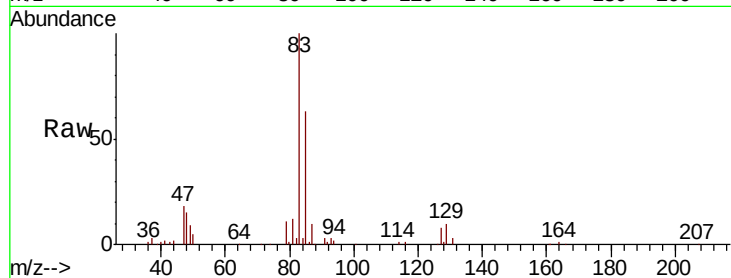
#47
Bromodichloromethane
Concen: 10.040 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	49313
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.8	76.2
127	8.1	6.6	10.0

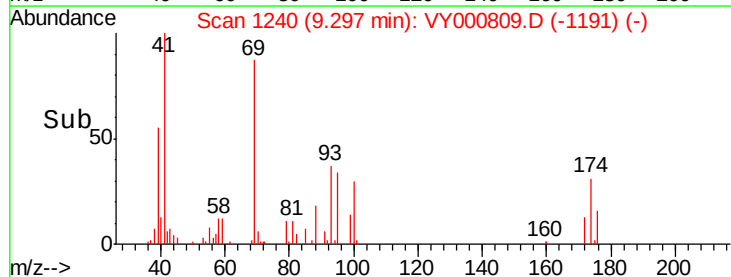
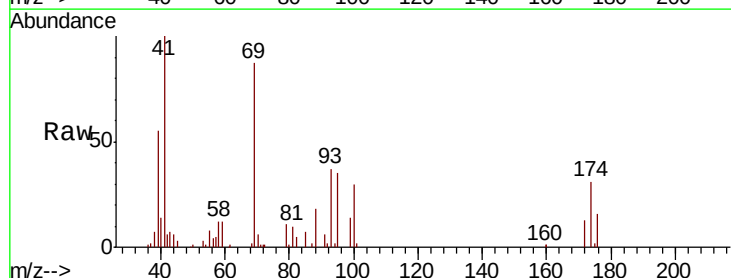
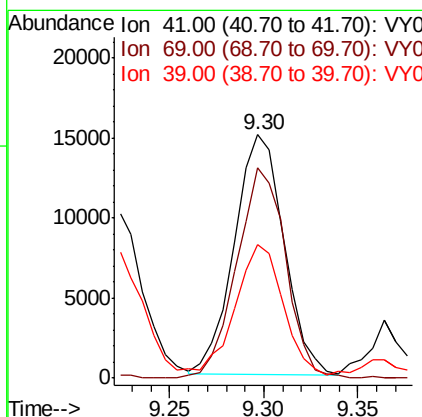
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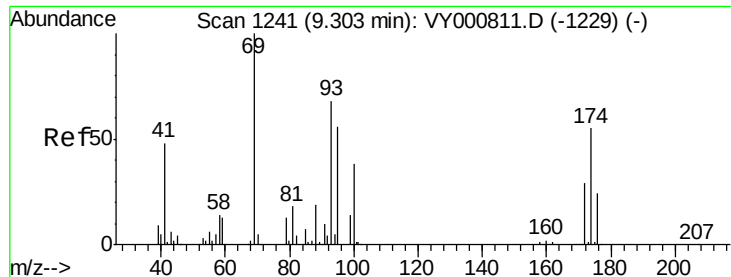
MMDadoda
12/2/2019 11:37:38 AM



#48
Methyl methacrylate
Concen: 10.525 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	41	Resp	27379
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	70.4	105.6
39	54.2	40.9	61.3





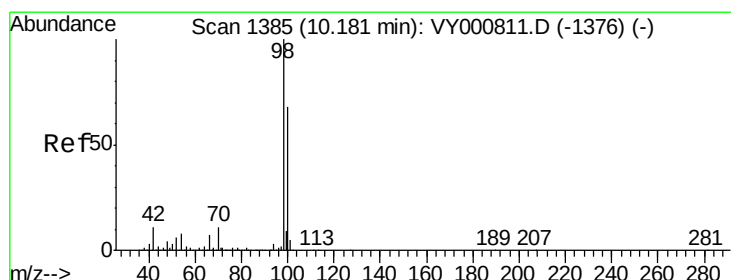
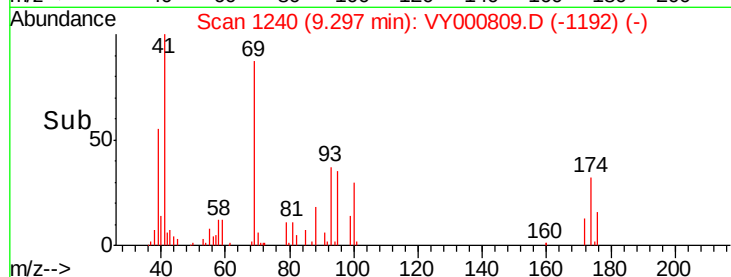
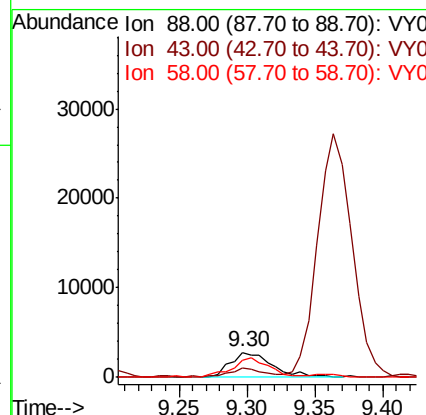
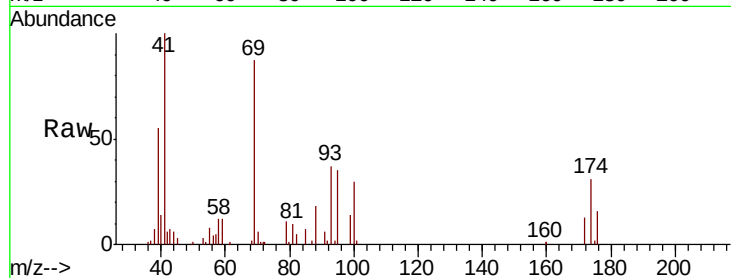
#49
1,4-Dioxane
Concen: 209.156 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.1	31.7
58	69.6	50.7	76.1

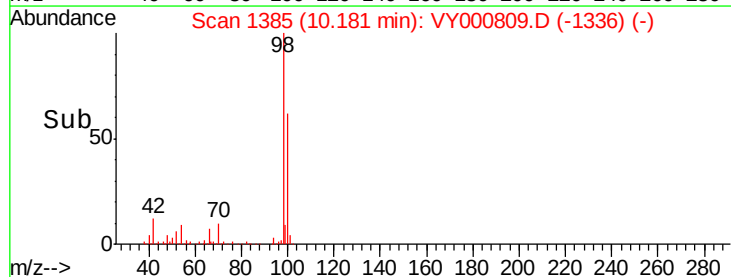
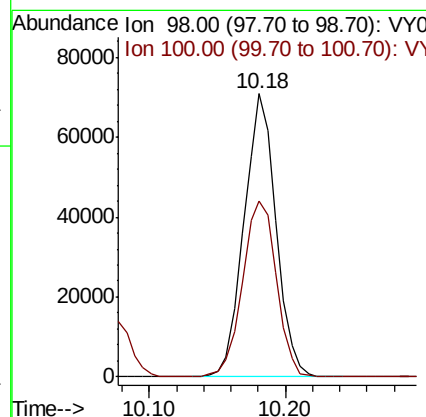
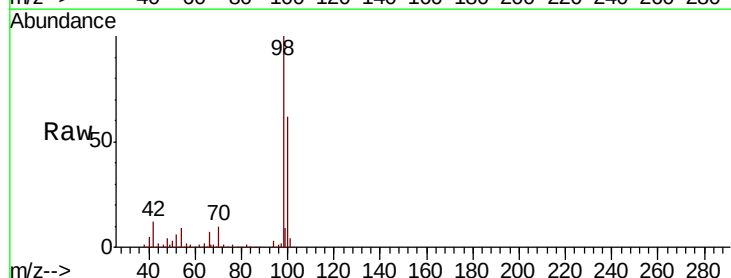
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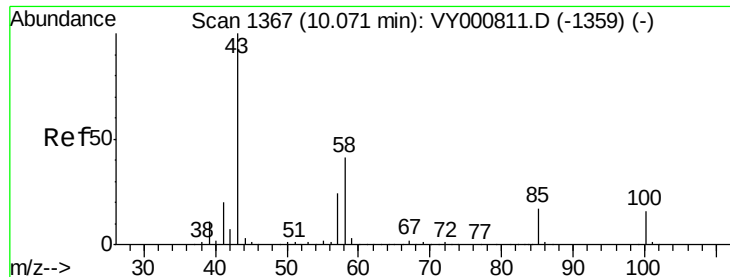
MMDadoda
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#50
Toluene-d8
Concen: 9.583 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7





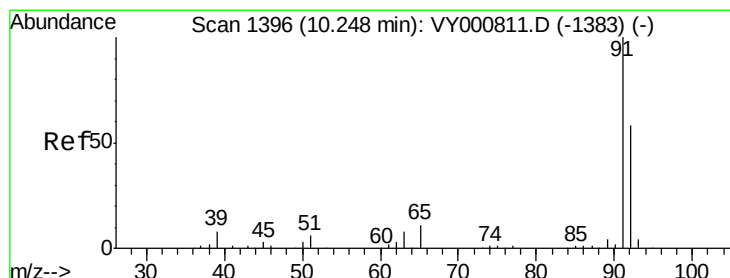
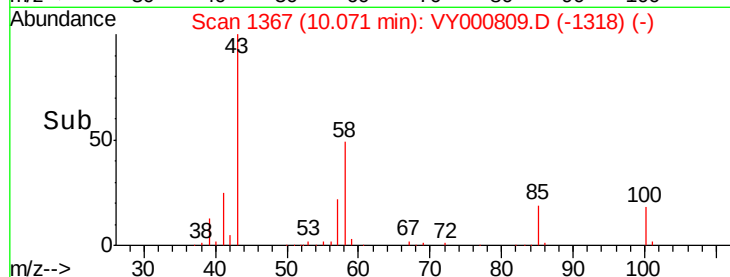
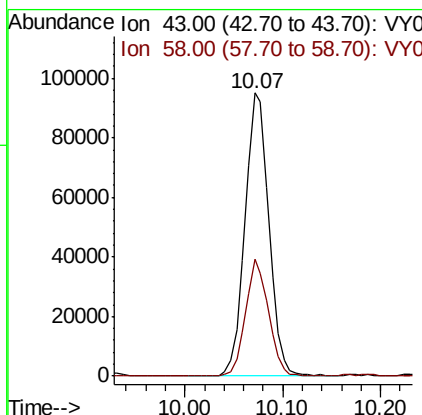
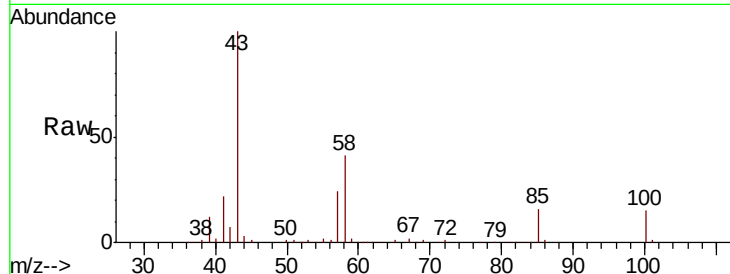
#51
4-Methyl-2-Pentanone
Concen: 51.705 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	33.1	49.7

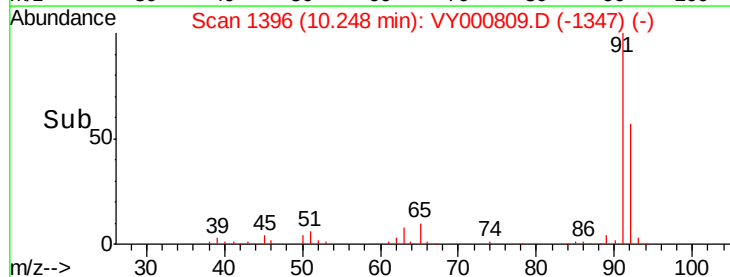
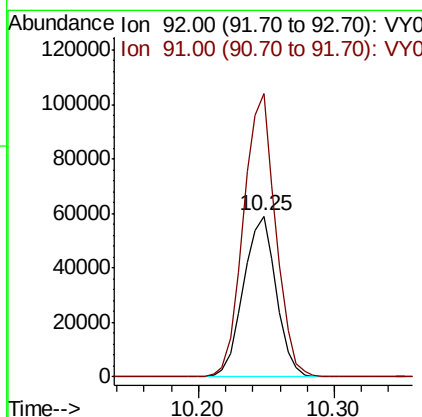
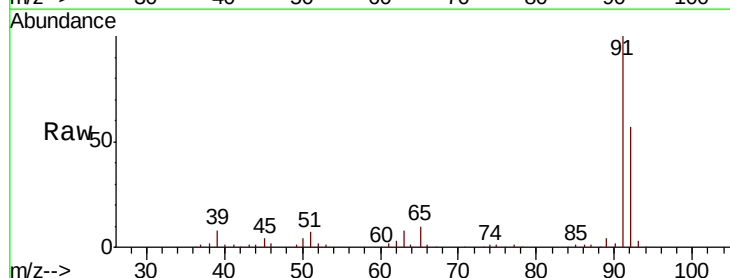
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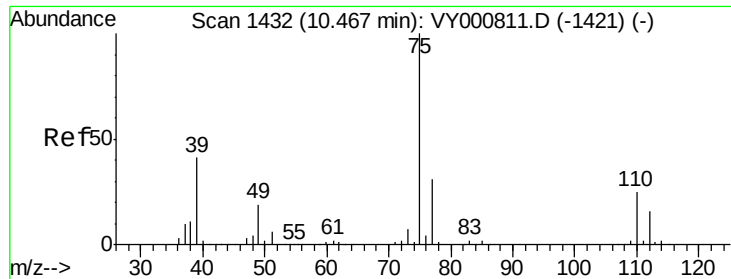
MMDadoda
12/2/2019 11:37:38 AM



#52
Toluene
Concen: 10.216 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.6	204.8





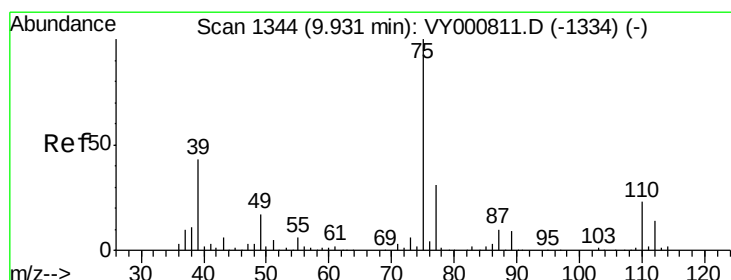
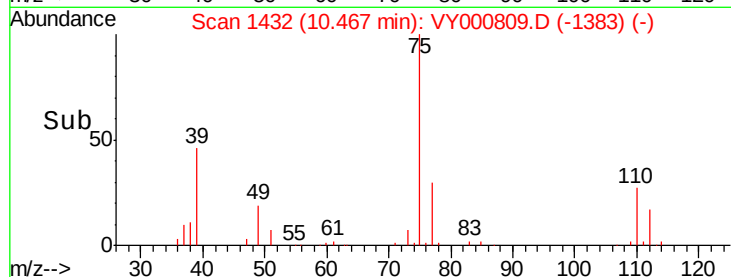
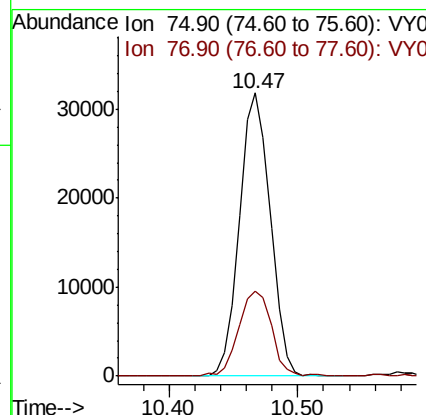
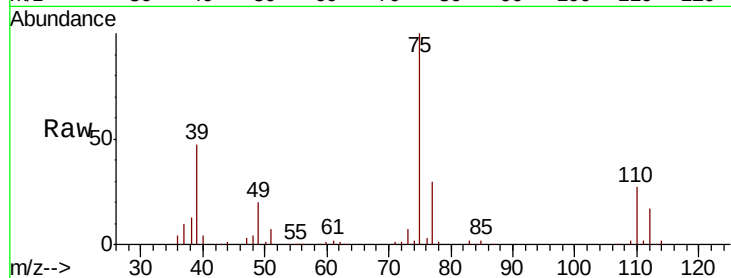
#53
 t-1,3-Dichloropropene
 Concen: 10.027 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 52770
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.1 37.7

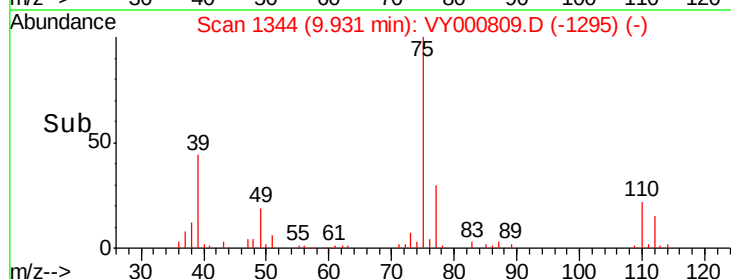
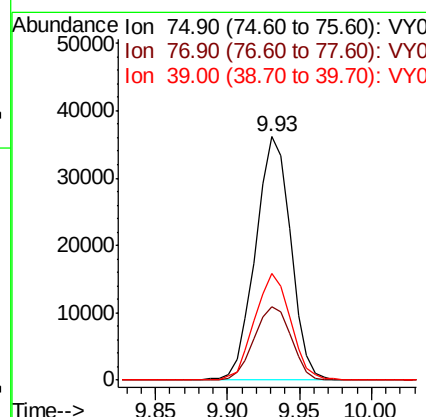
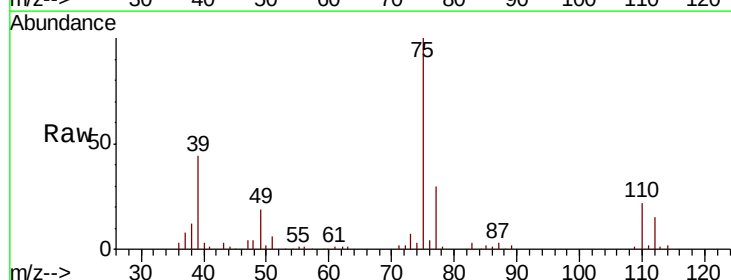
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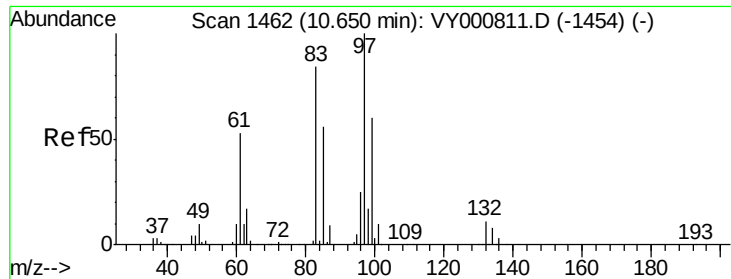
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#54
 cis-1,3-Dichloropropene
 Concen: 10.083 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion: 75 Resp: 61026
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.7 37.1
 39 43.9 34.5 51.7





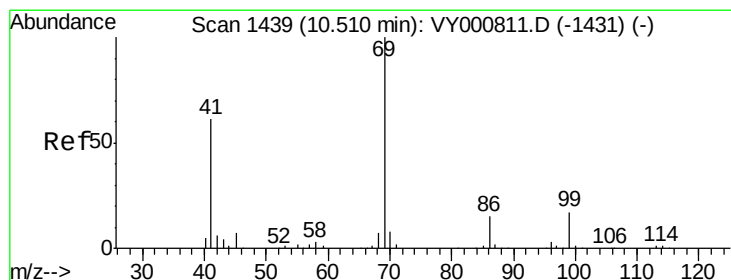
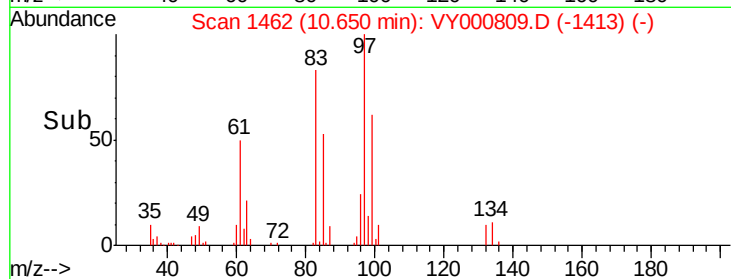
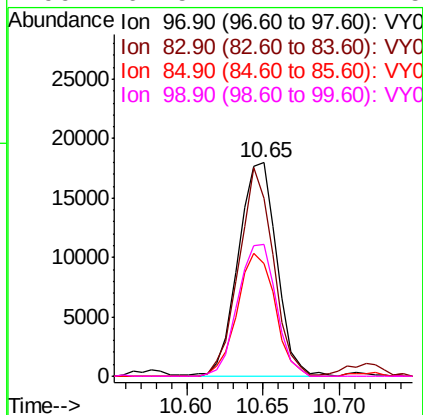
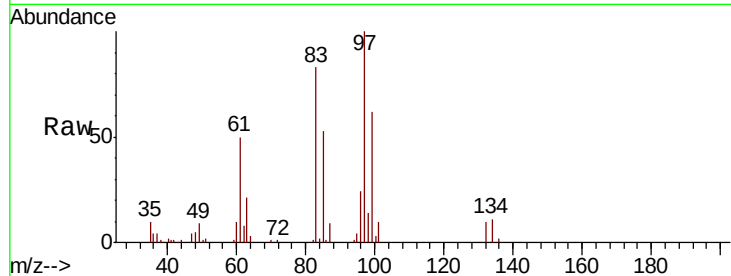
#55
 1,1,2-Trichloroethane
 Concen: 10.410 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.5	101.3
85	53.0	44.5	66.7
99	61.5	47.7	71.5

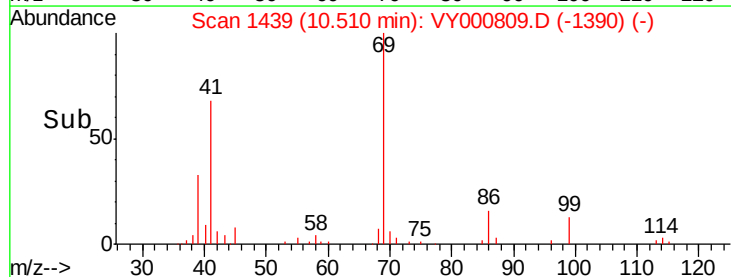
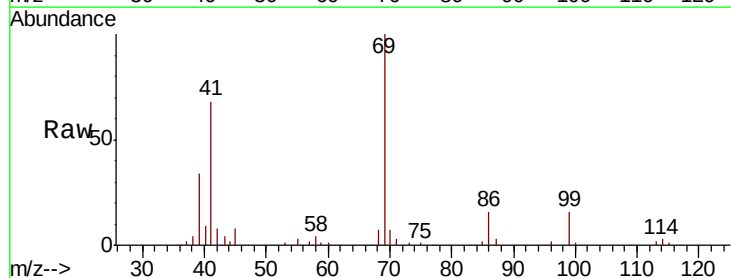
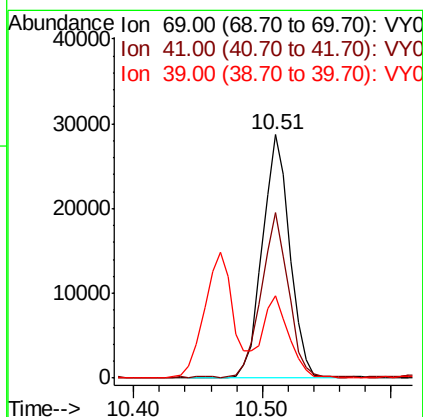
Manual Integrations
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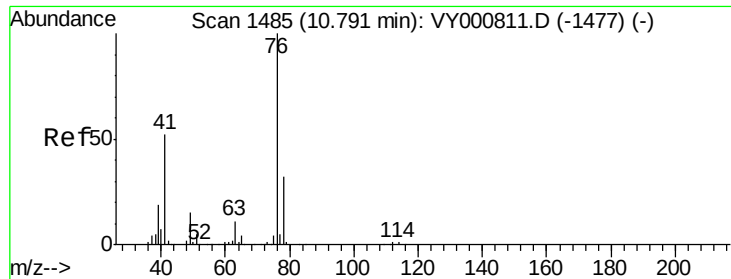
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#56
 Ethyl methacrylate
 Concen: 9.837 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	49.0	73.6
39	32.2	23.1	34.7





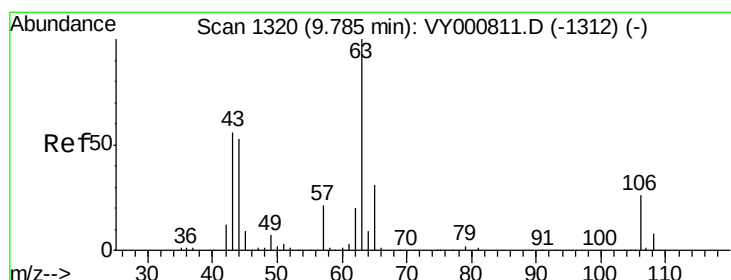
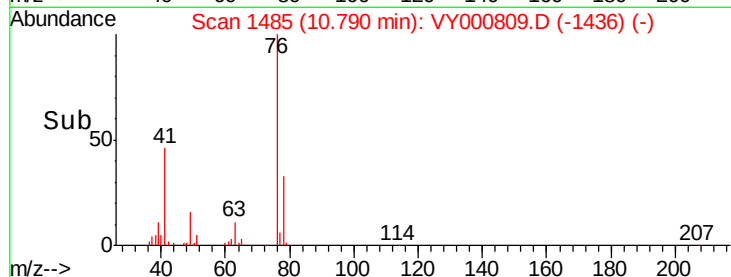
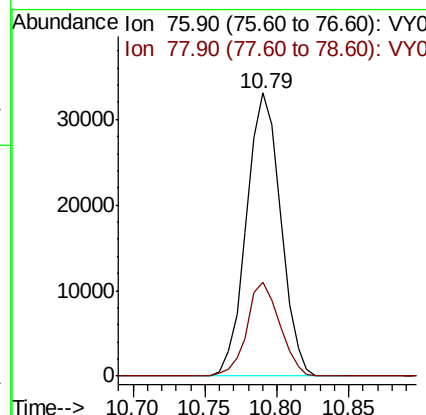
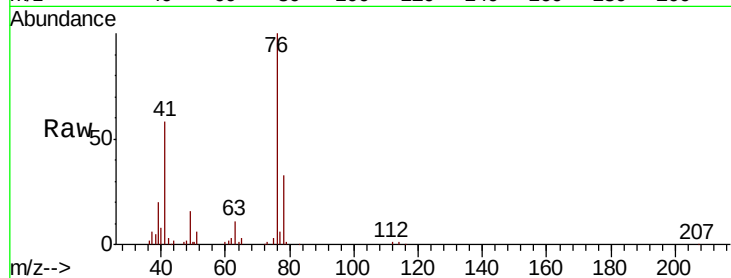
#57
 1,3-Dichloropropane
 Concen: 10.322 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.4	39.6

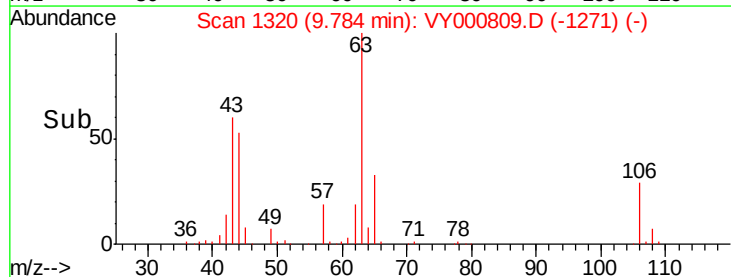
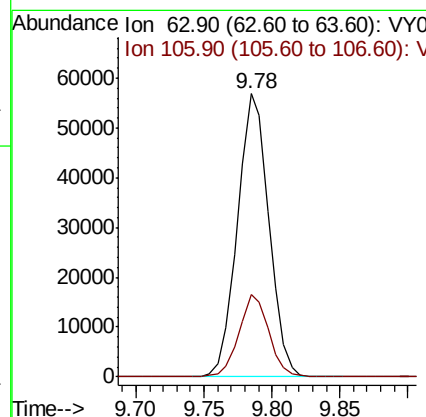
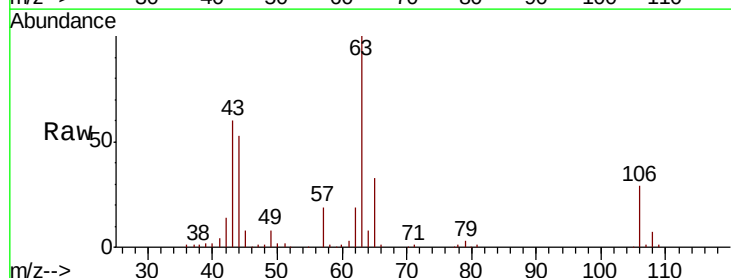
Manual Integrations
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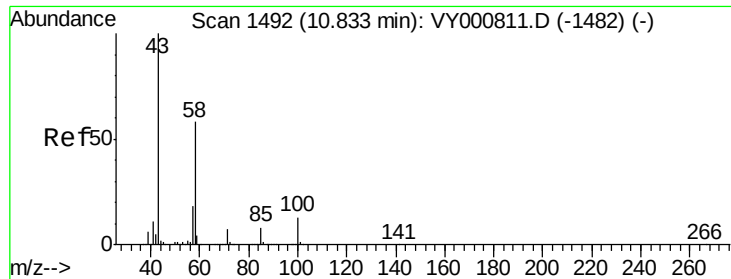
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 12/2/2019 11:37:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.085 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.5	32.3





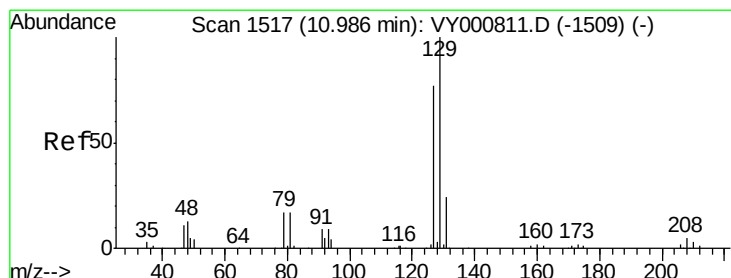
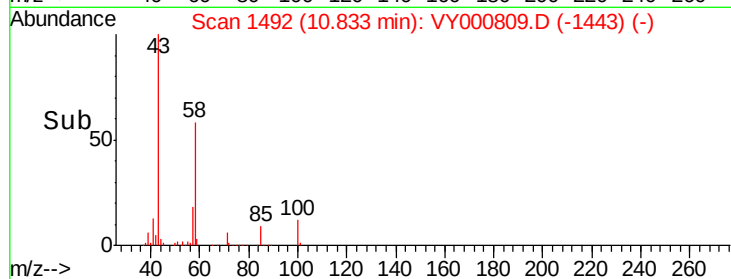
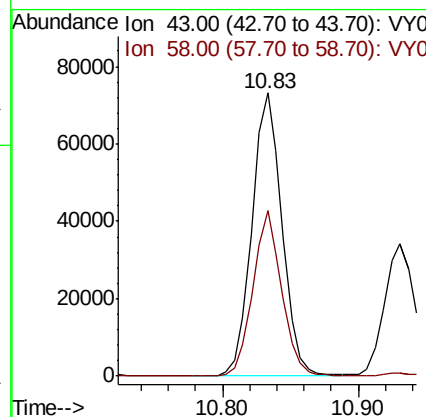
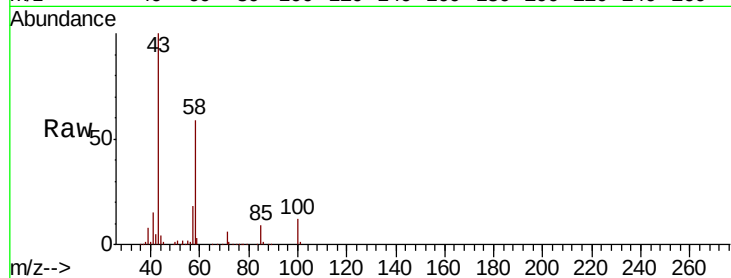
#59
2-Hexanone
Concen: 49.559 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	29.0	87.1

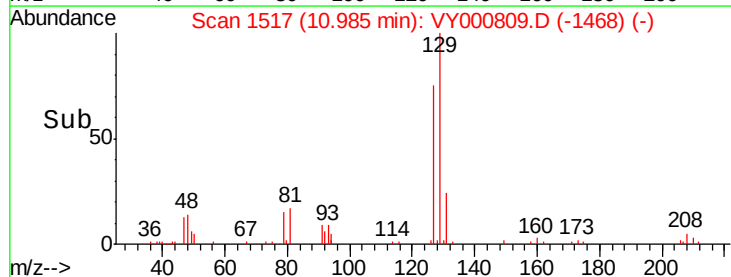
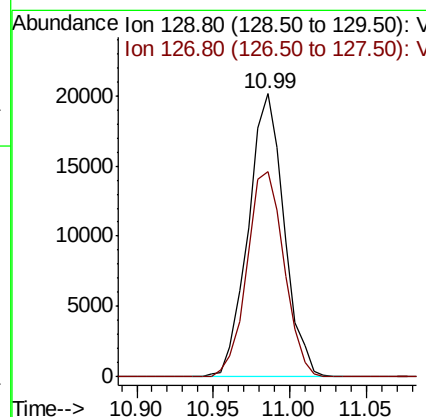
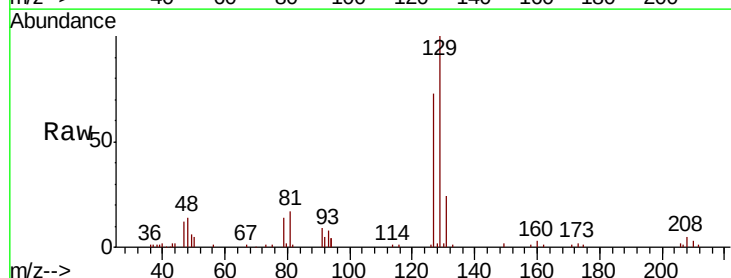
Manual Integrations
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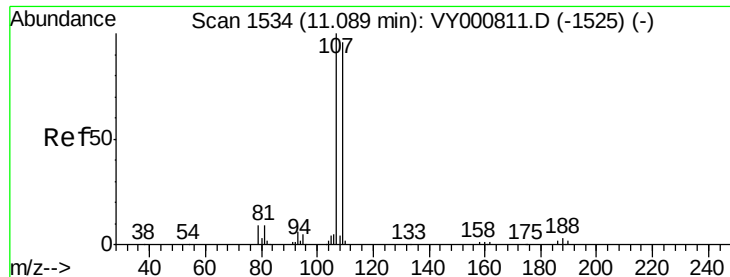
MMDadoda
12/2/2019 11:37:38 AM



#60
Dibromochloromethane
Concen: 9.579 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	39.1	117.2





#61

1,2-Dibromoethane

Concen: 9.837 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 28474

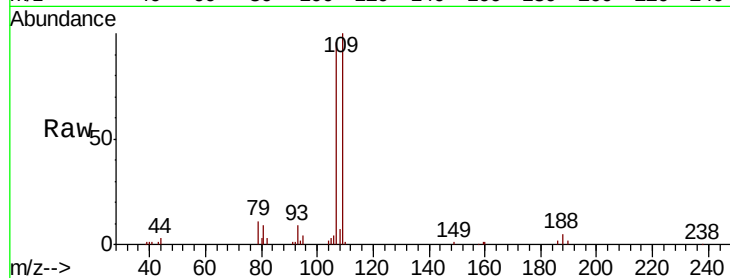
Ion Ratio Lower Upper

107 100

109 99.1 75.9 113.9

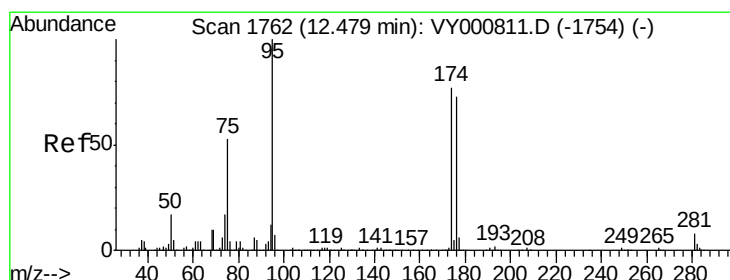
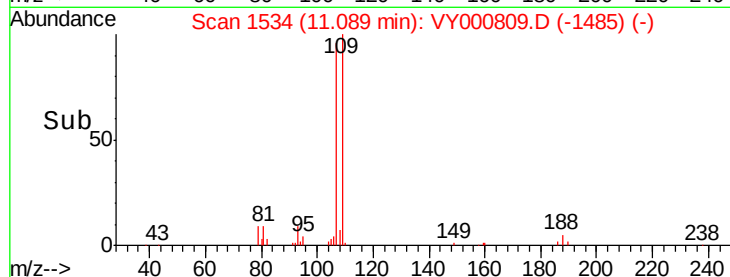
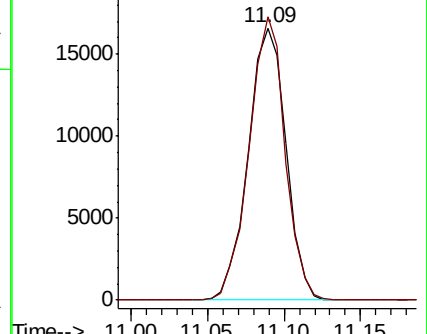
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.661 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

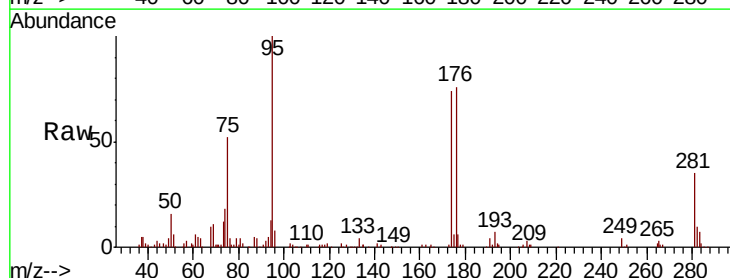
Tgt Ion: 95 Resp: 49021

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

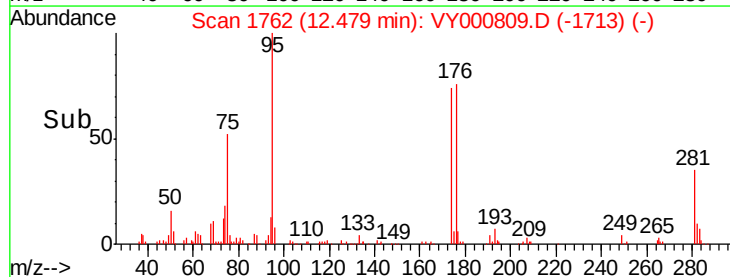
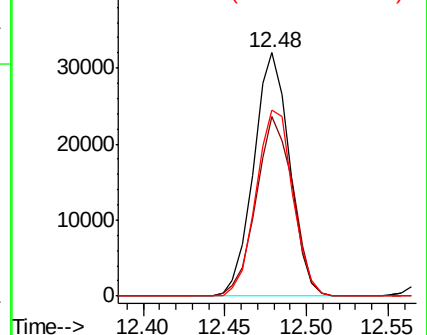
176 78.1 0.0 145.2

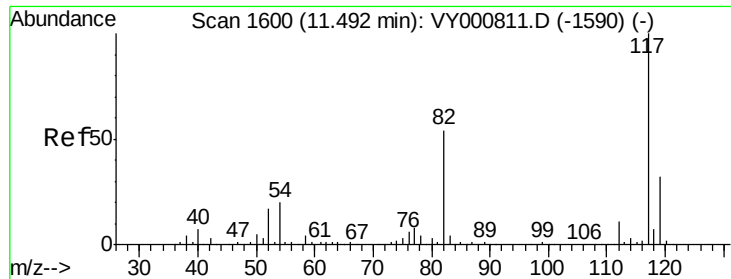


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





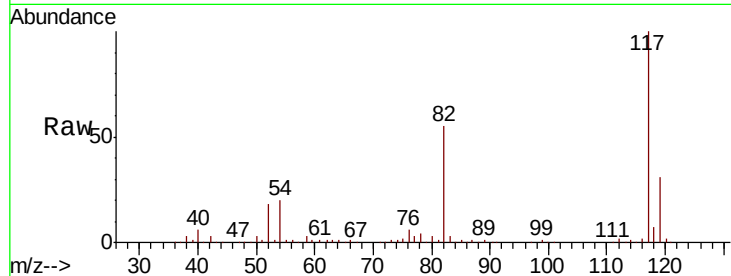
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.1	64.7
119	30.7	25.3	37.9

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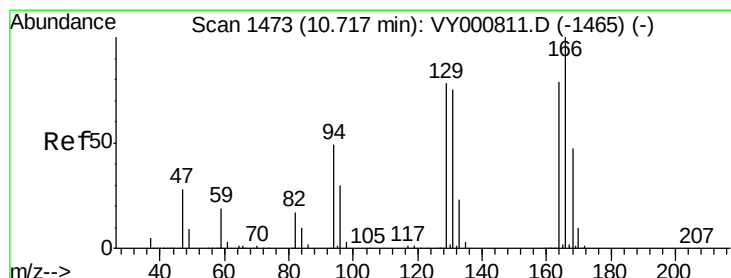
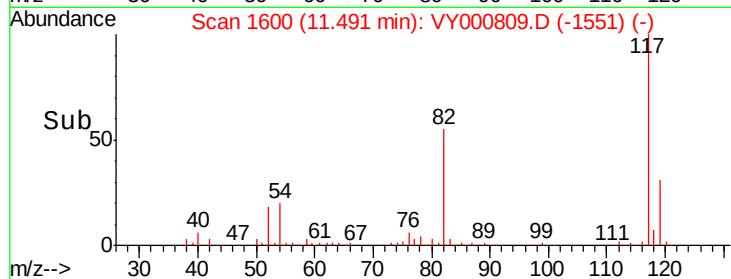
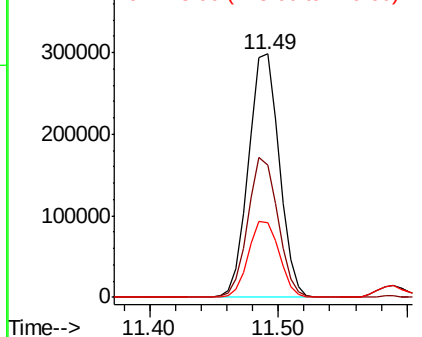


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 11.123 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	101.8	152.8
129	79.4	79.3	118.9
131	86.7	76.4	114.6

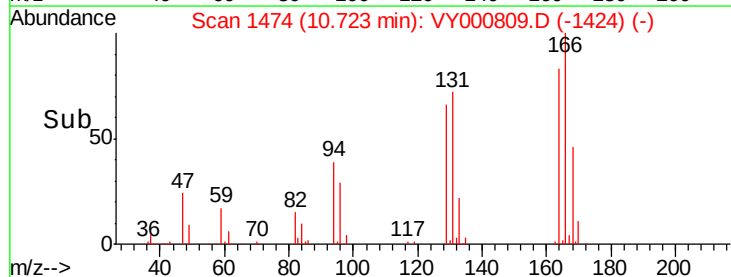
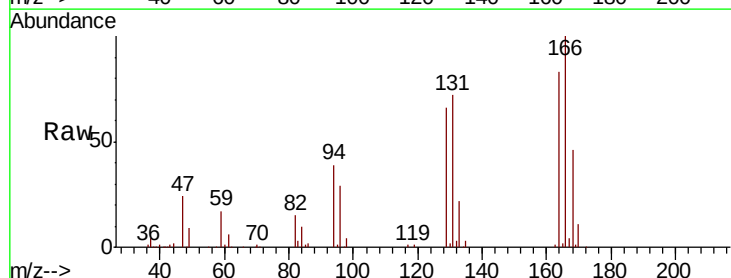
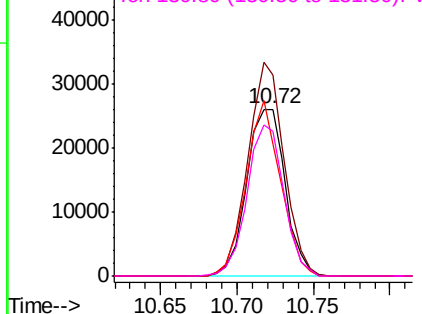
Abundance

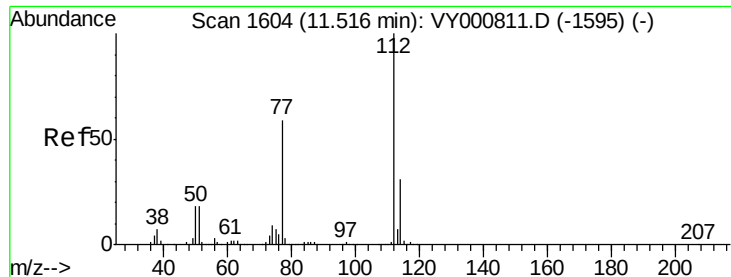
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





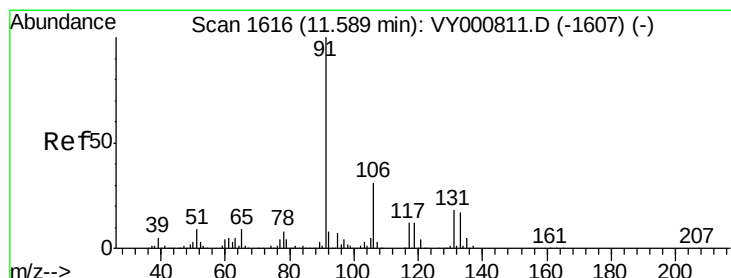
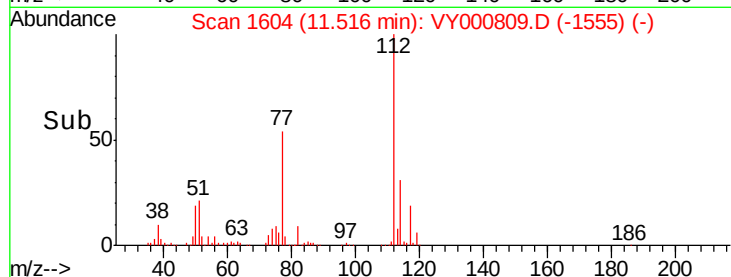
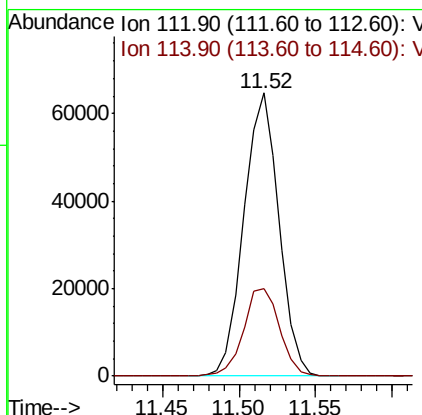
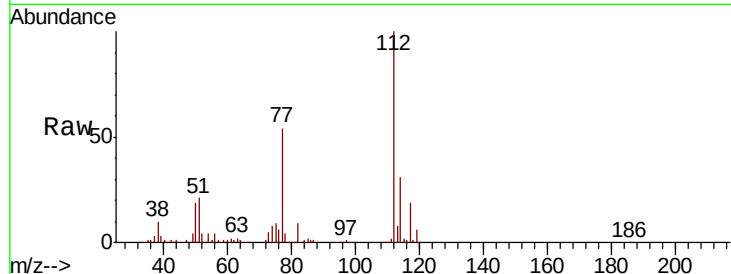
#65
Chlorobenzene
Concen: 10.252 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.1	37.7

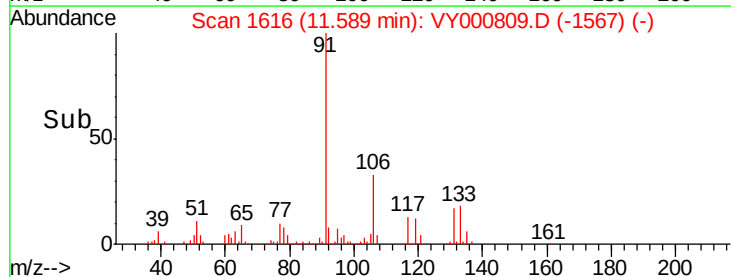
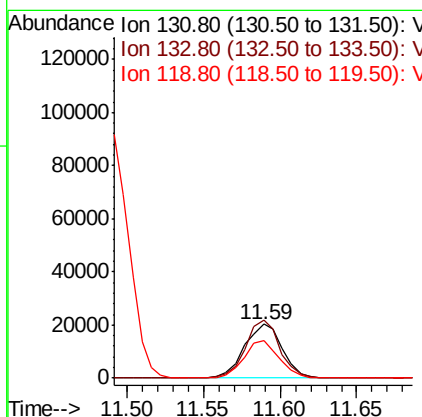
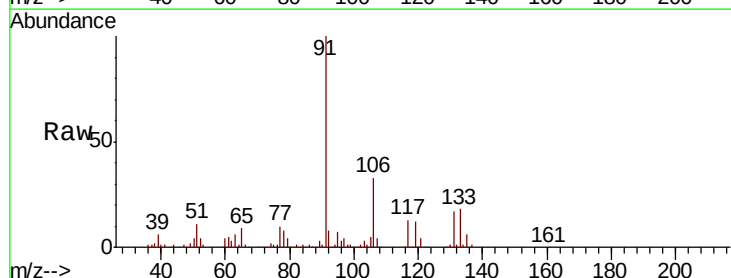
Manual Integrations
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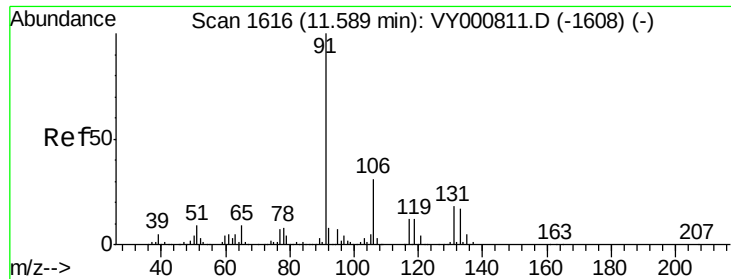
MMDadoda
12/2/2019 11:37:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.074 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.3	47.4	142.2
119	64.6	33.8	101.3





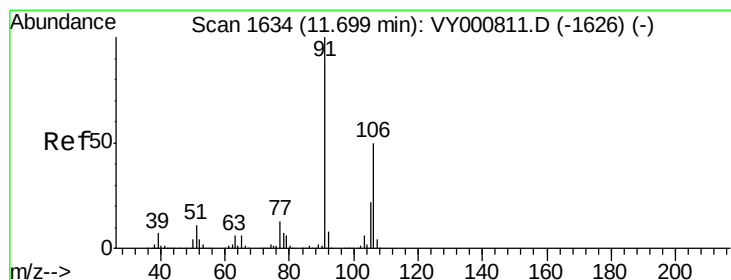
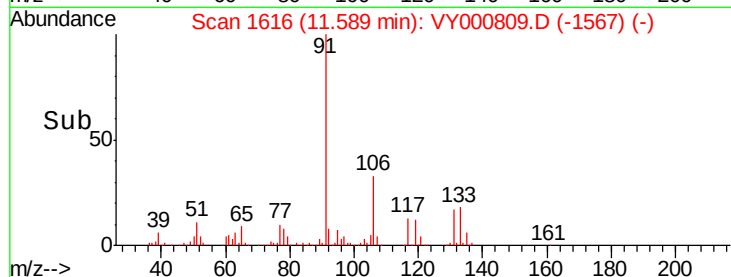
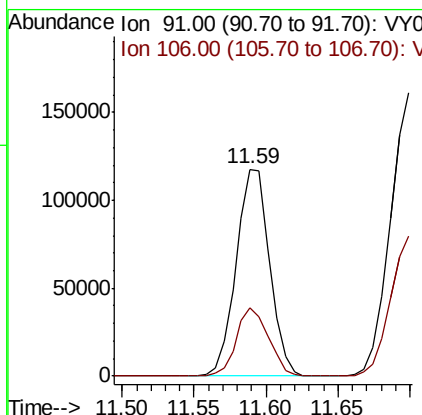
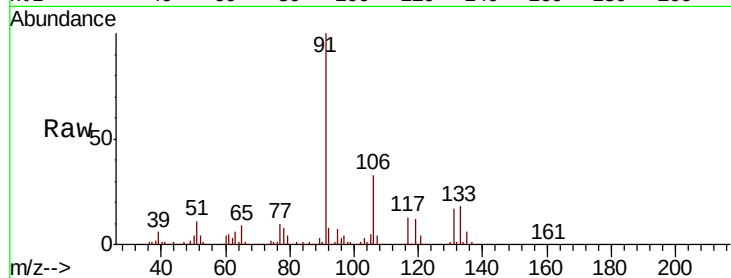
#67
Ethyl Benzene
Concen: 10.297 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 189862
Ion Ratio Lower Upper
91 100
106 32.9 24.4 36.6

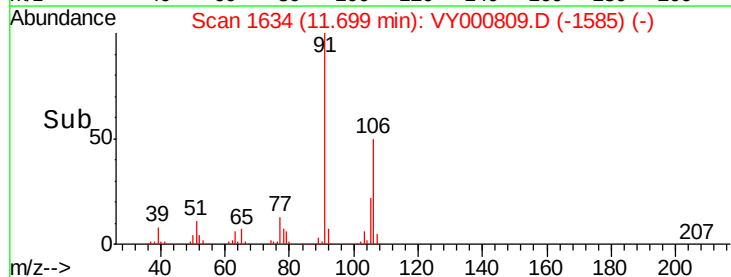
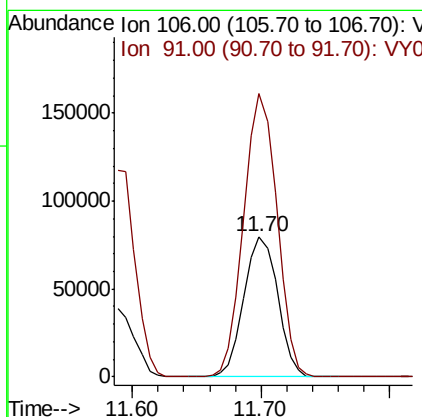
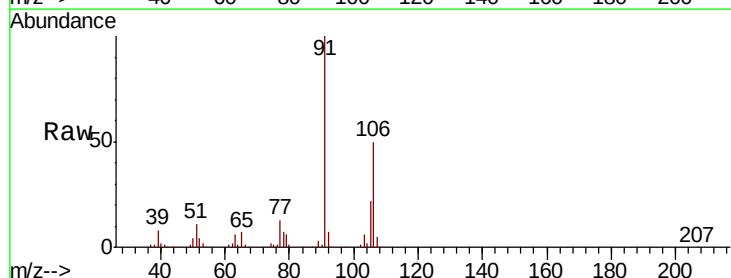
Manual Integrations
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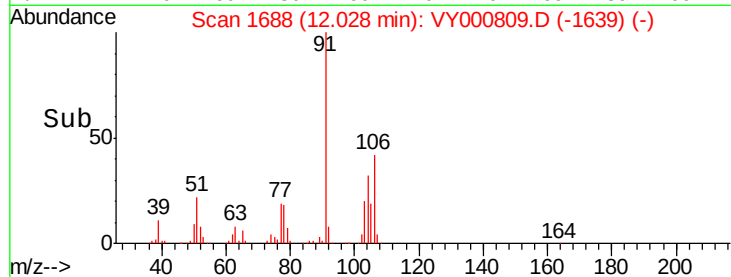
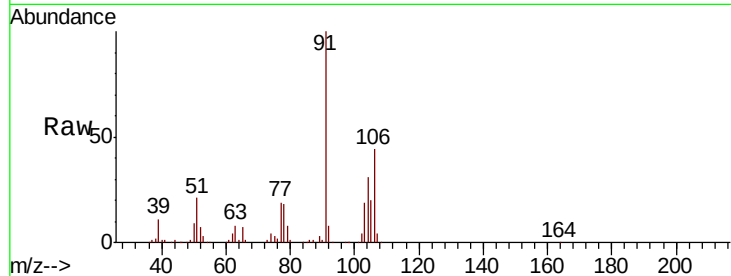
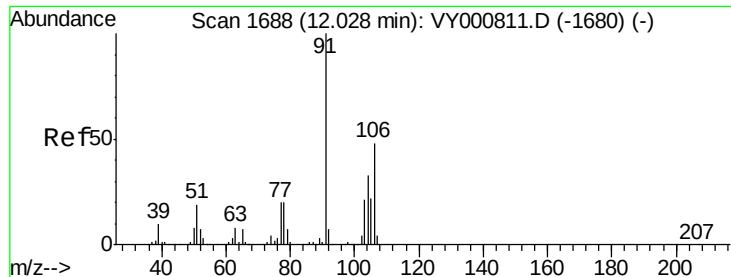
MMDadoda
12/2/2019 11:37:38 AM



#68
m/p-Xylenes
Concen: 20.465 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion: 106 Resp: 145025
Ion Ratio Lower Upper
106 100
91 199.2 159.6 239.4





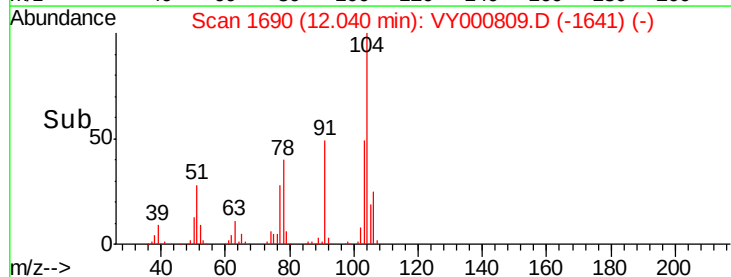
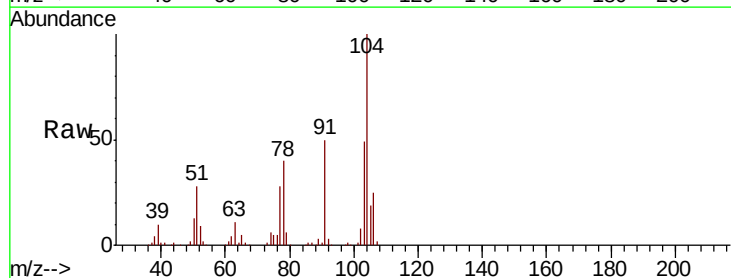
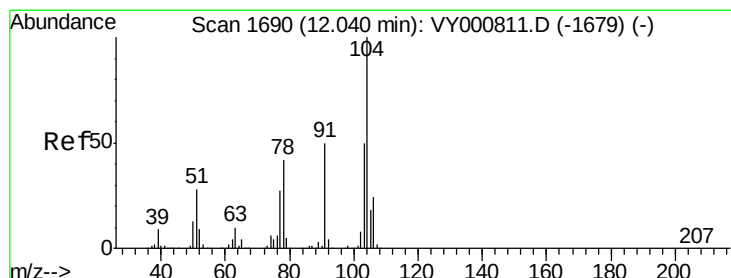
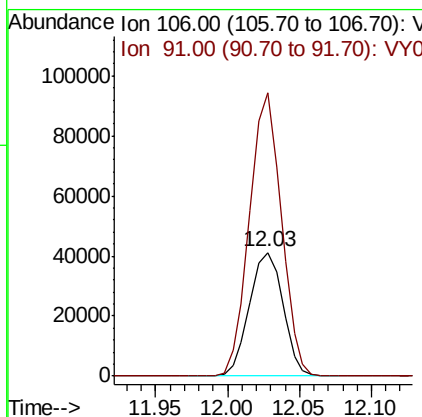
#69
o-Xylene
Concen: 9.953 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tot Ion:106 Resp: 66611
Ion Ratio Lower Upper
106 100
91 217.4 106.1 318.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

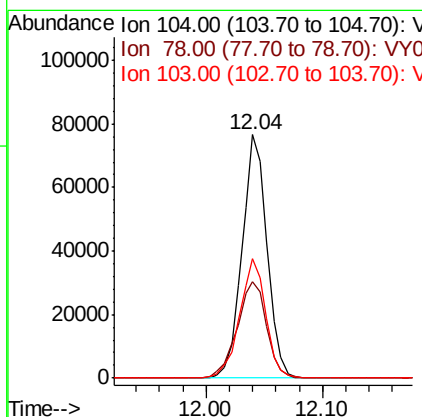
Manual Integrations
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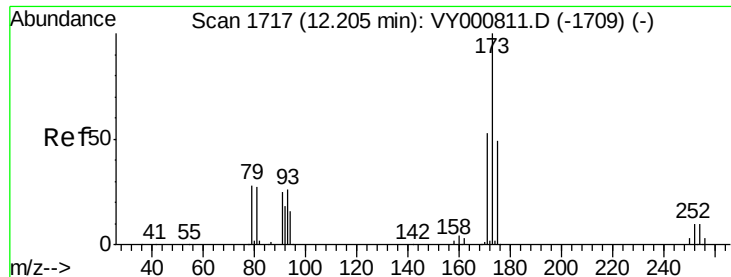
MMDadoda
12/2/2019 11:37:38 AM



#70
Styrene
Concen: 9.979 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion:104 Resp: 114114
Ion Ratio Lower Upper
104 100
78 46.7 38.2 57.4
103 51.0 43.4 65.0





#71

Bromoform

Concen: 9.181 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 18271

Ion Ratio Lower Upper

173 100

175 50.2 24.5 73.5

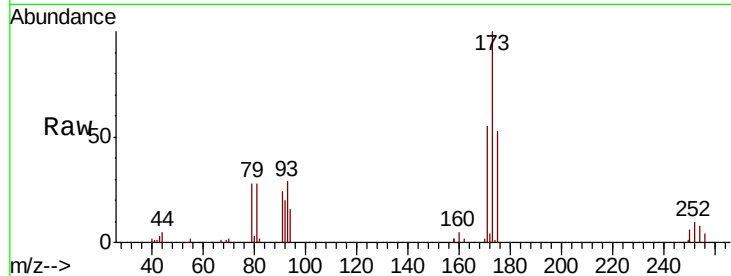
254 0.0 0.0 0.0

Manual Integrations

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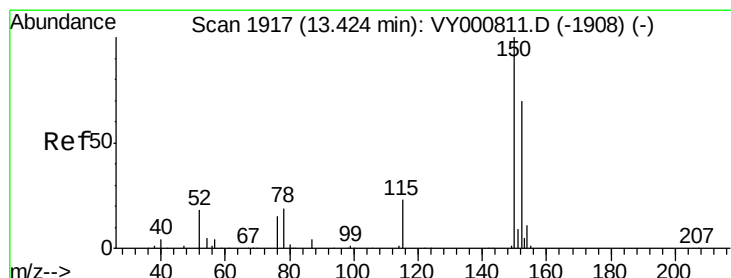
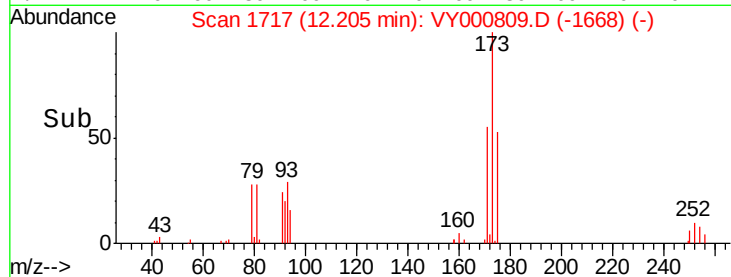
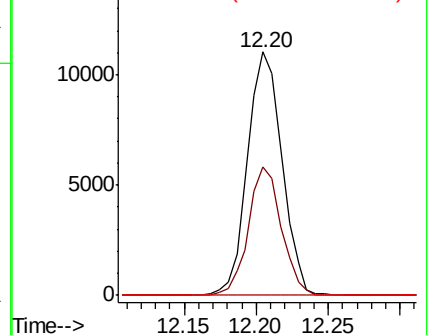
12/2/2019 11:37:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

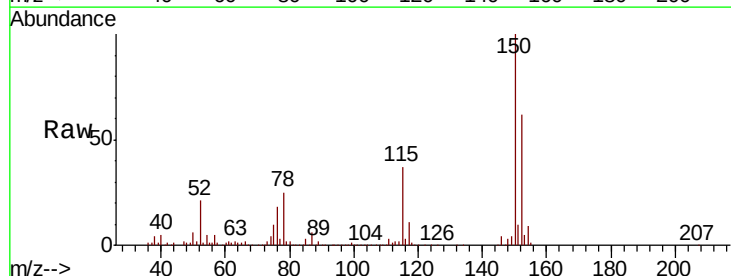
Tgt Ion:152 Resp: 223605

Ion Ratio Lower Upper

152 100

115 61.3 29.3 87.8

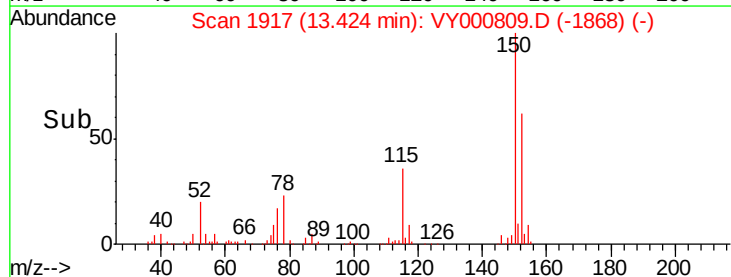
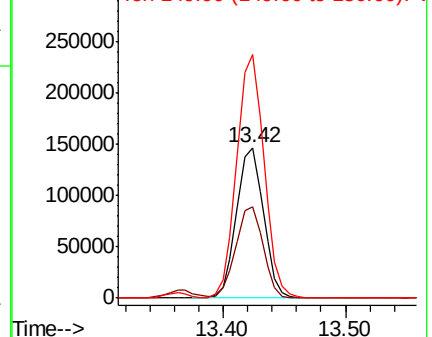
150 163.8 0.0 351.2

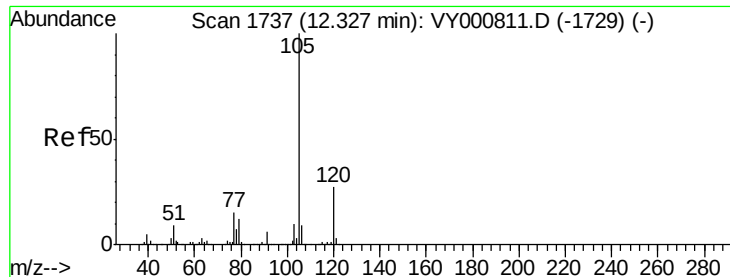


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





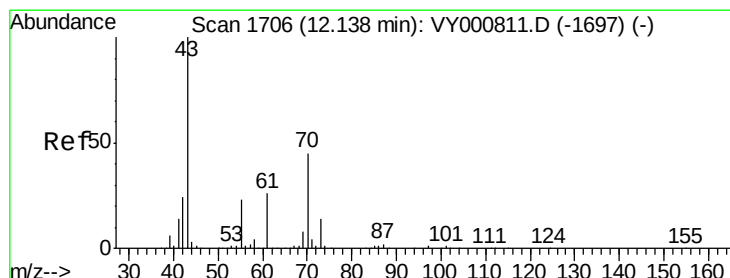
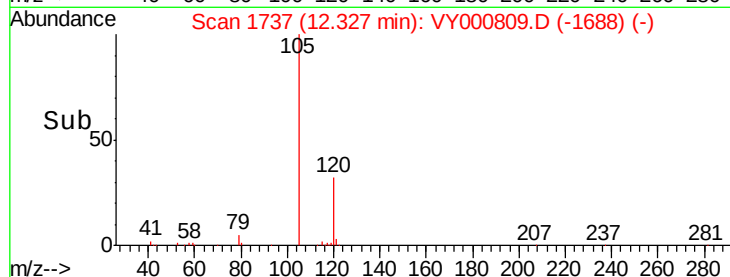
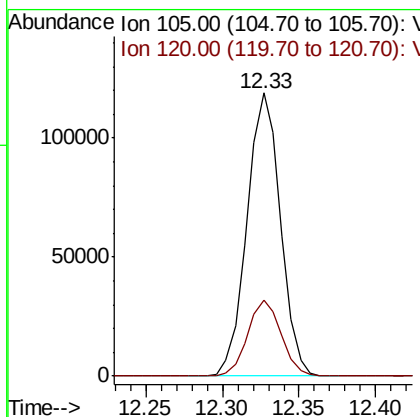
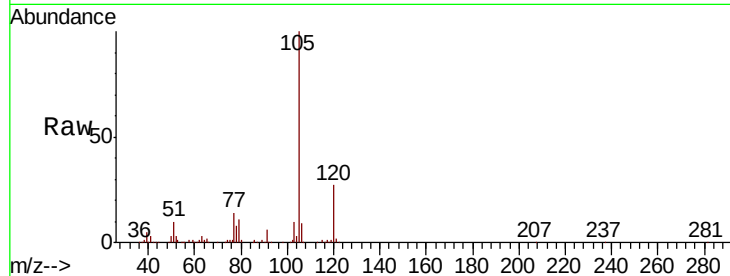
#73
Isopropylbenzene
Concen: 10.744 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

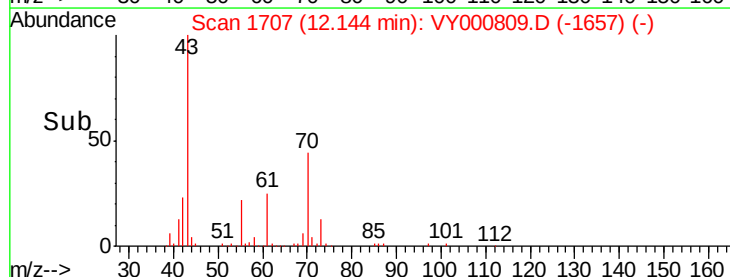
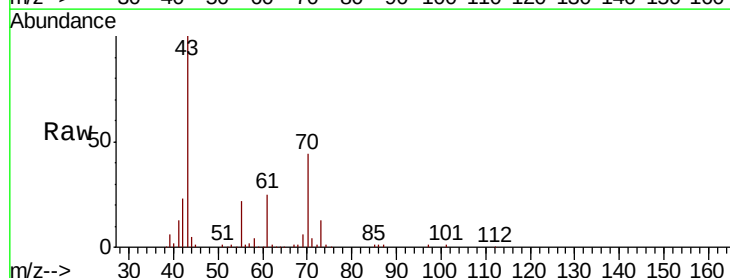
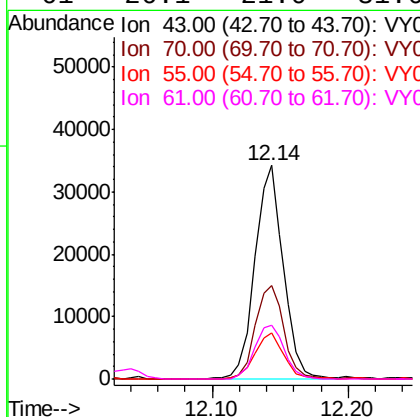
Manual Integrations
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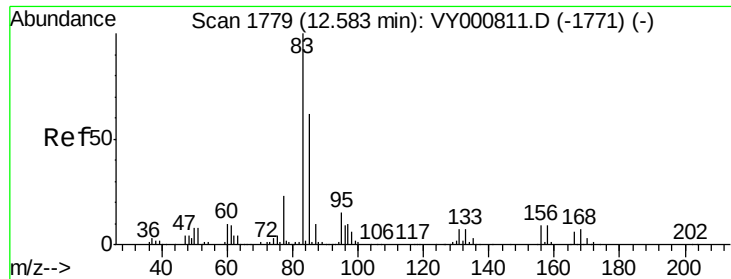
MMDadoda
12/2/2019 11:37:38 AM



#74
N-ethyl acetate
Concen: 10.443 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	36.6	54.8
55	22.0	18.8	28.2
61	26.1	21.0	31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 10.397 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

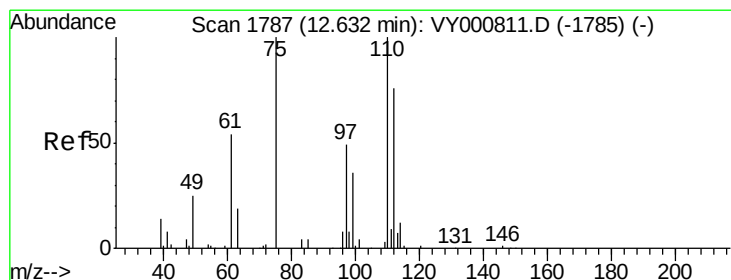
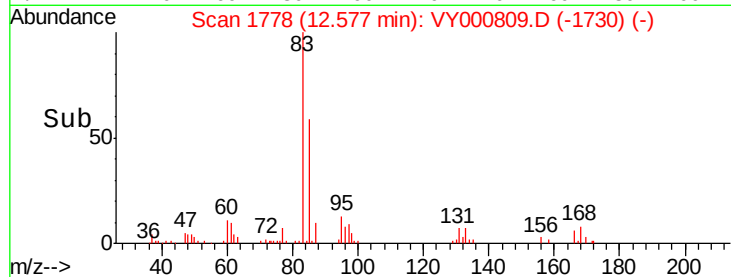
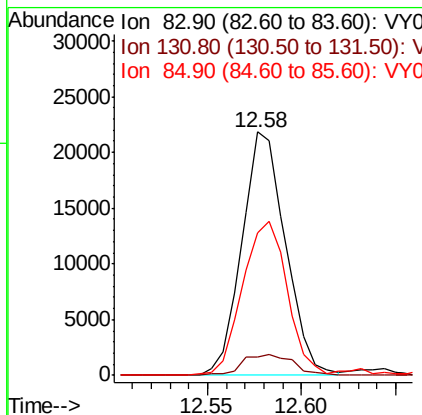
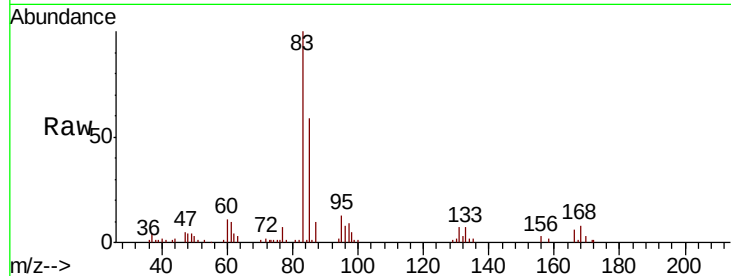
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35079
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.3	13.1
85	65.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.267 ug/l m

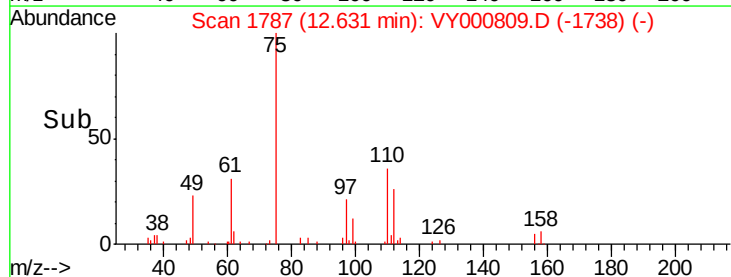
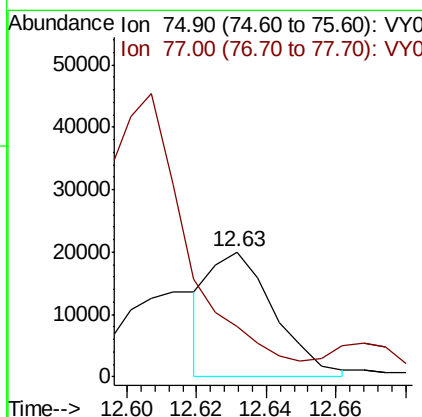
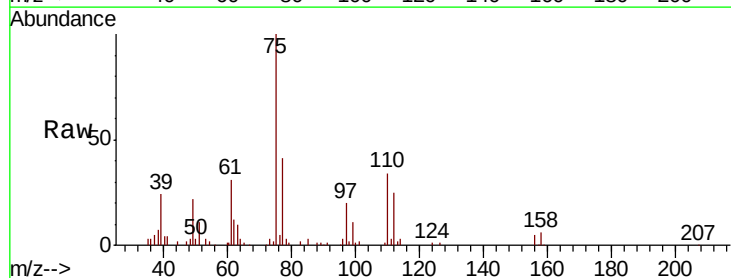
RT: 12.63 min Scan# 1787

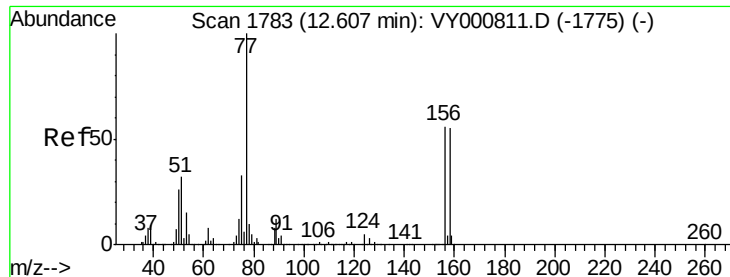
Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Tgt Ion:	75	Resp:	25790
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.206 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 38867

Ion Ratio Lower Upper

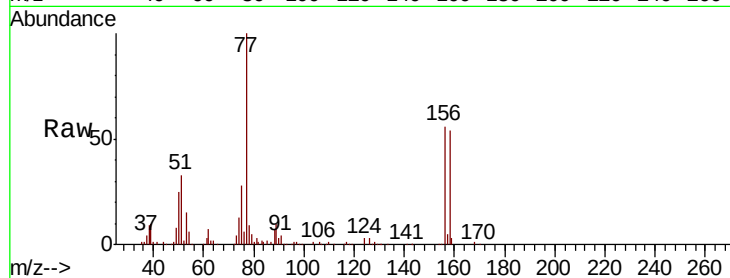
156 100

77 206.6 102.6 307.7

158 99.0 47.6 142.8

Manual Integrations
APPROVED

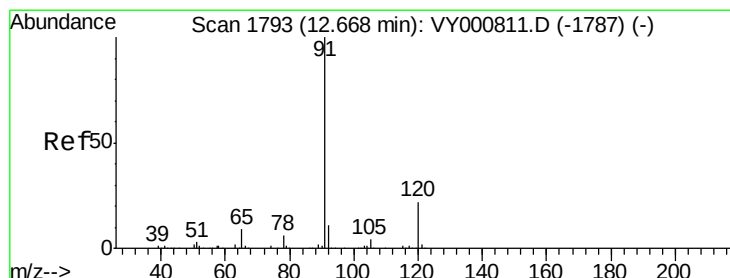
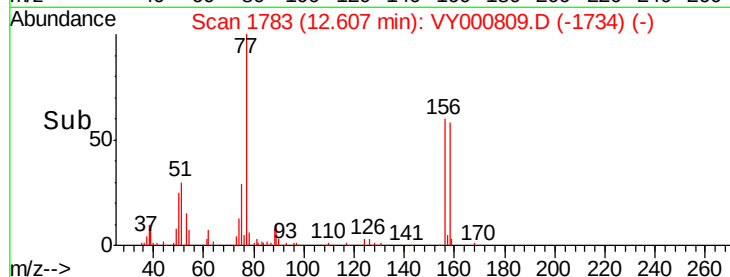
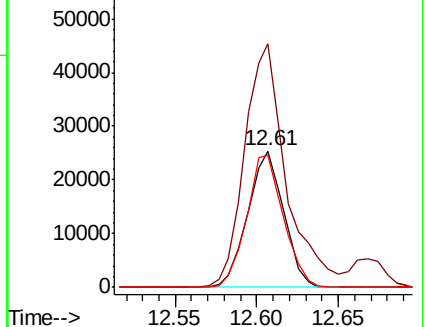
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.790 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000809.D

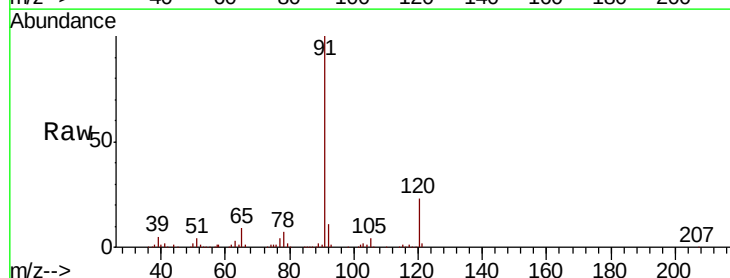
Acq: 27 Nov 2019 10:55

Tgt Ion: 91 Resp: 219586

Ion Ratio Lower Upper

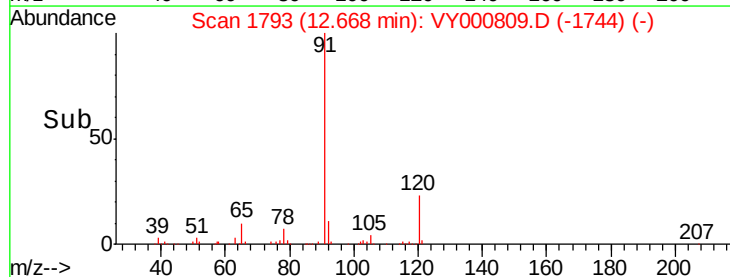
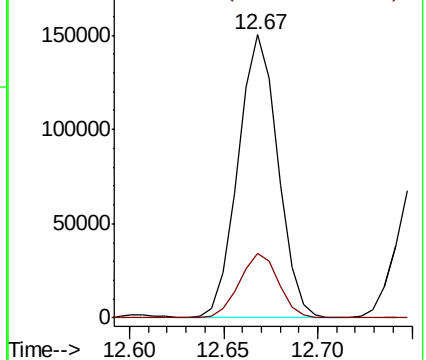
91 100

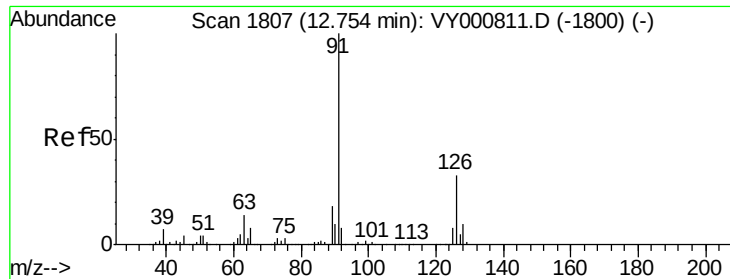
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





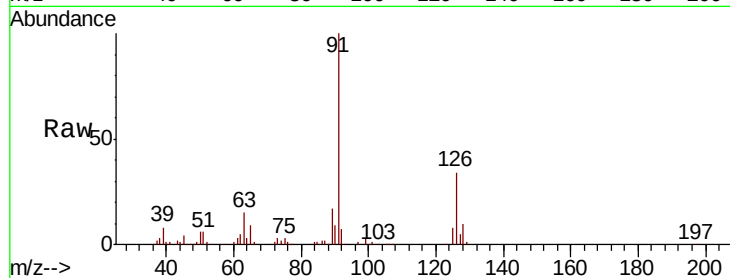
#79
 2-Chlorotoluene
 Concen: 10.613 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

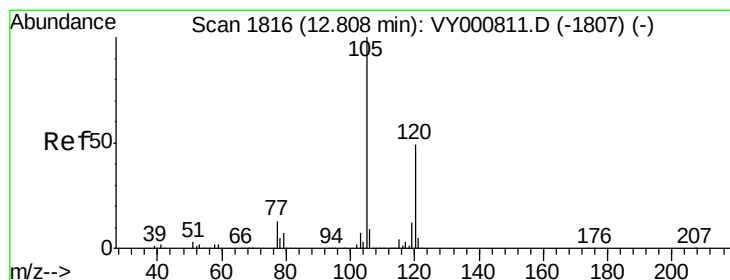
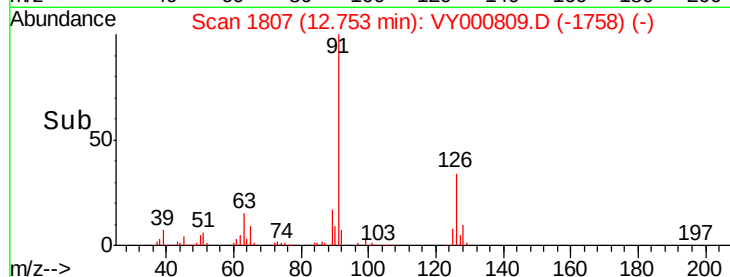
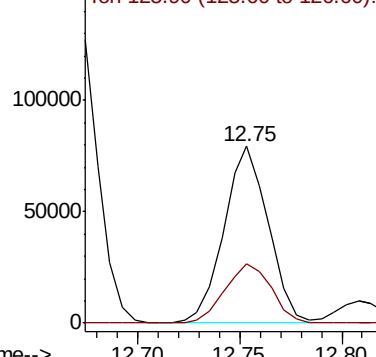
Tot Ion: 91 Resp: 119866
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.0 51.0

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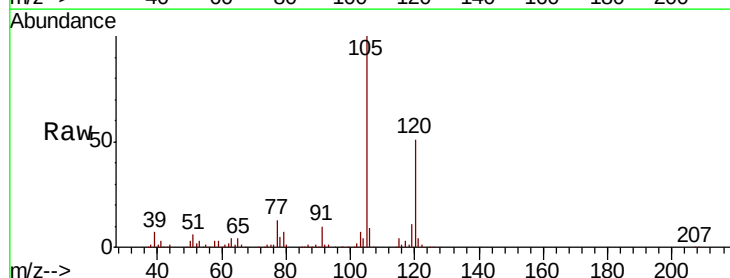


Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1800) (-)
 Ion 125.90 (125.60 to 126.60): VY000811.D (-1800) (-)

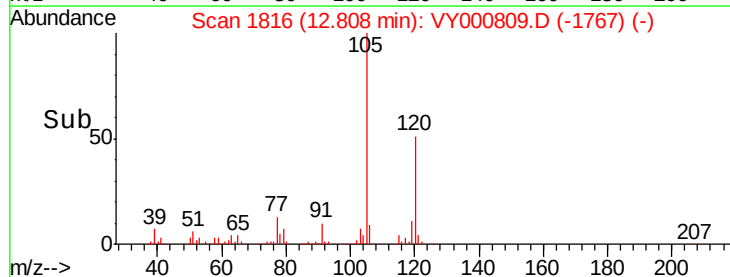
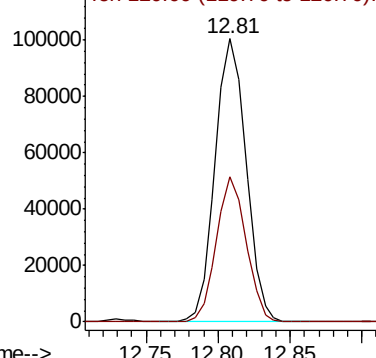


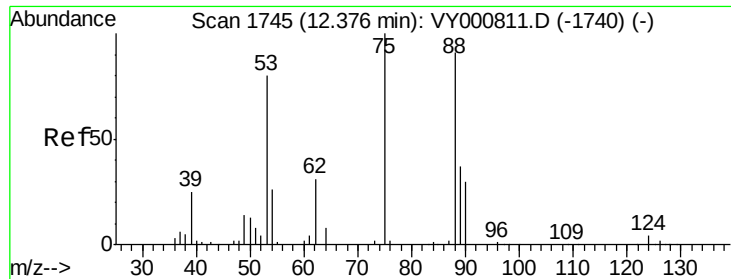
#80
 1,3,5-Trimethylbenzene
 Concen: 10.745 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion: 105 Resp: 150258
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000811.D (-1807) (-)
 Ion 120.00 (119.70 to 120.70): VY000811.D (-1807) (-)





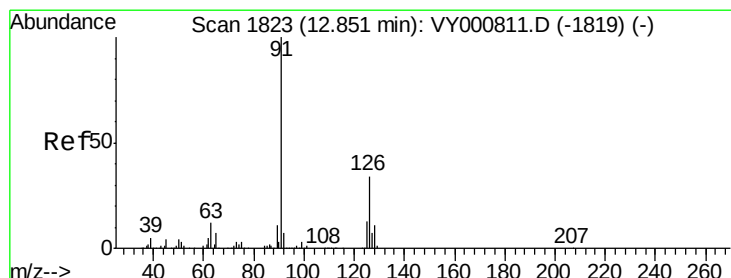
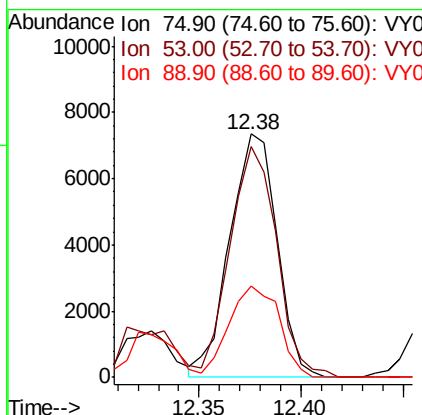
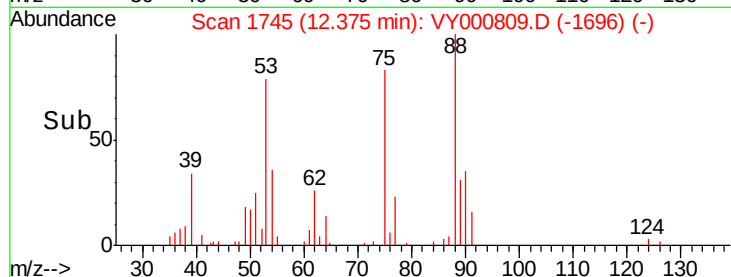
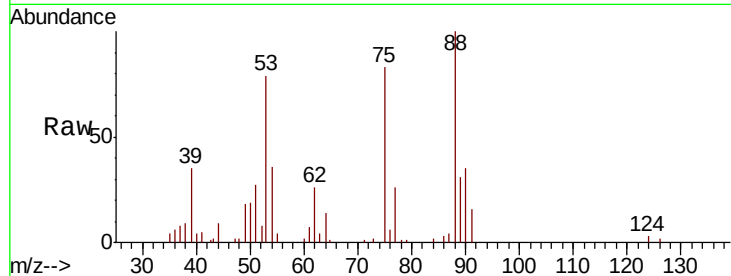
#81
trans-1,4-Dichloro-2-butene
Concen: 9.949 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	64.6	96.8
89	39.6	33.6	50.4

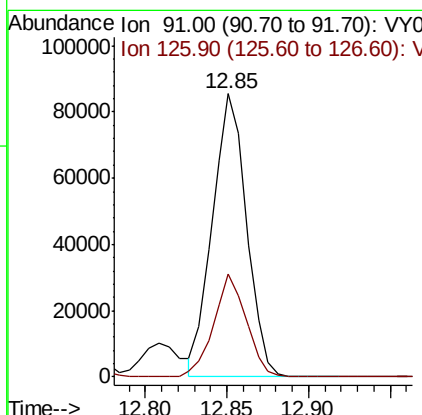
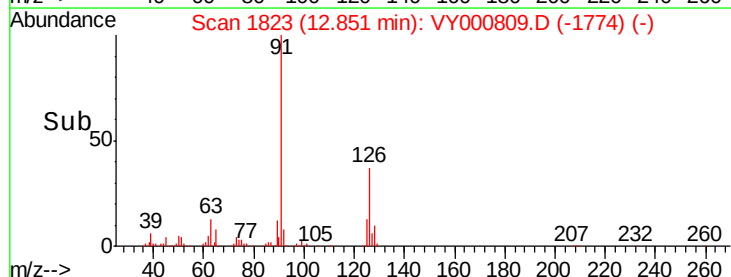
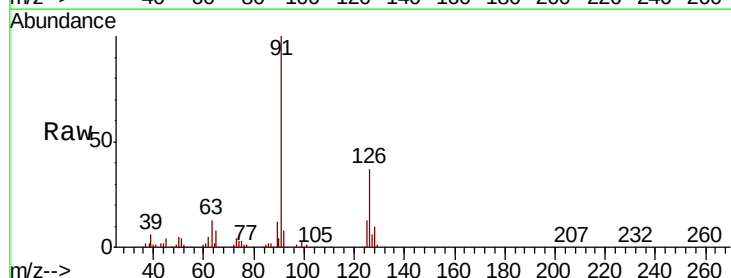
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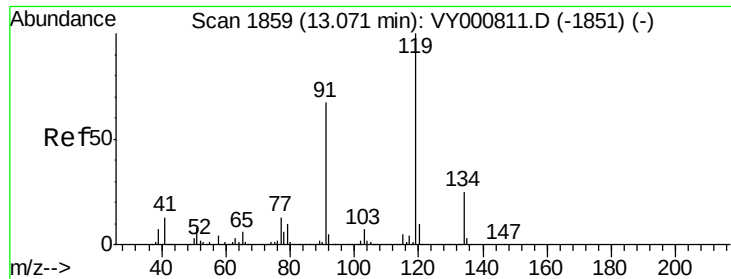
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.690 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.9





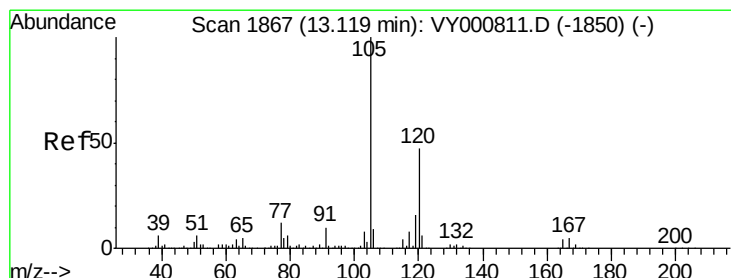
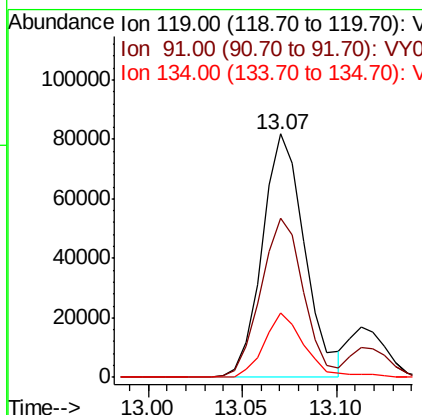
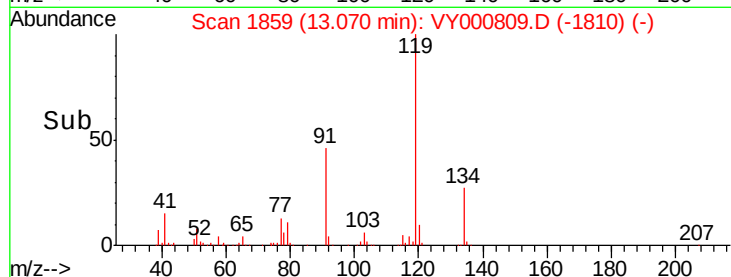
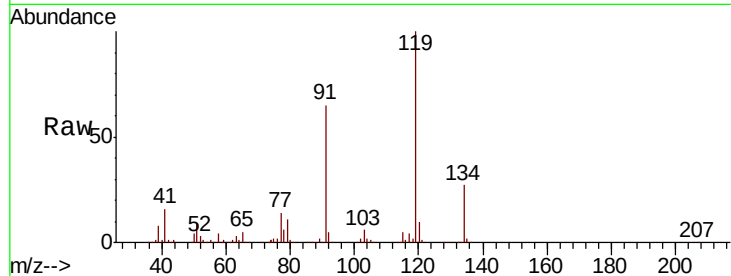
#83
 tert-Butylbenzene
 Concen: 10.719 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.3	96.8
134	25.5	12.9	38.7

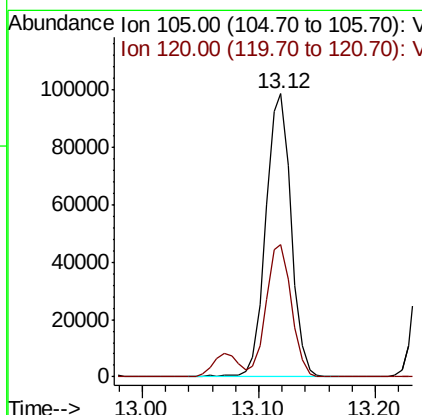
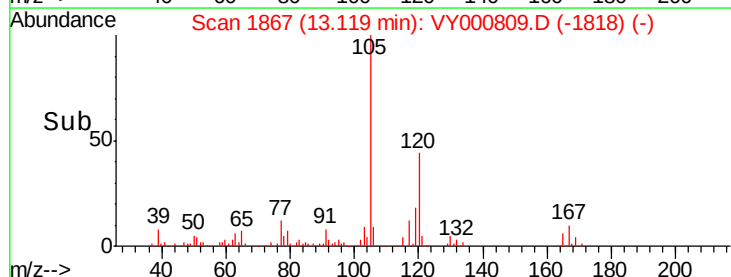
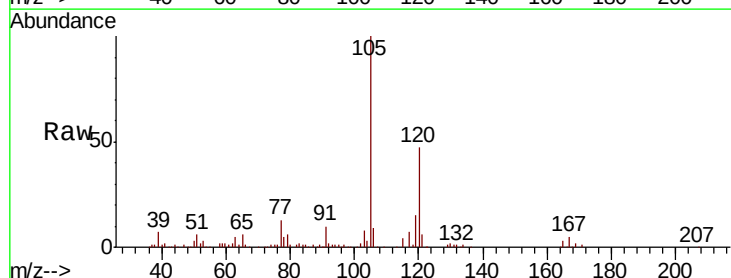
Manual Integrations
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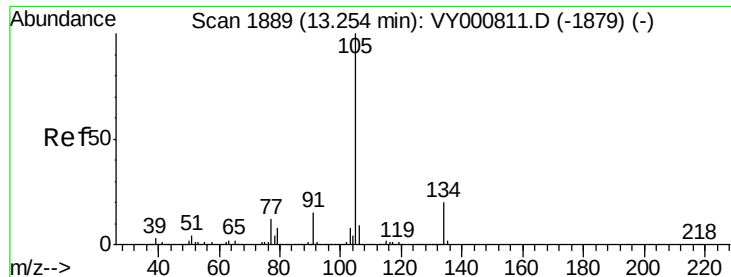
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 12/2/2019 11:37:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 10.743 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 10.885 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 184731

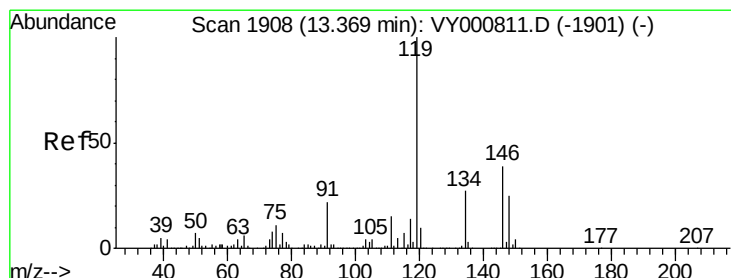
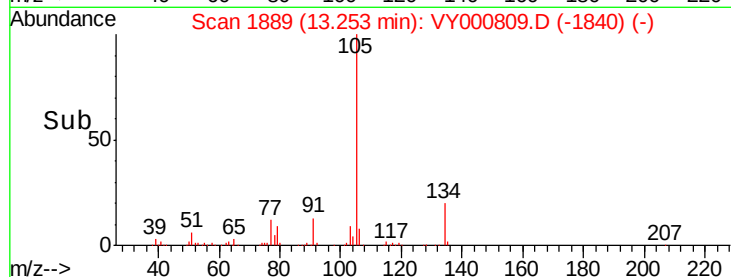
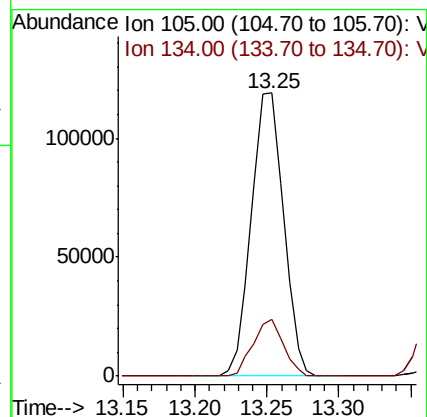
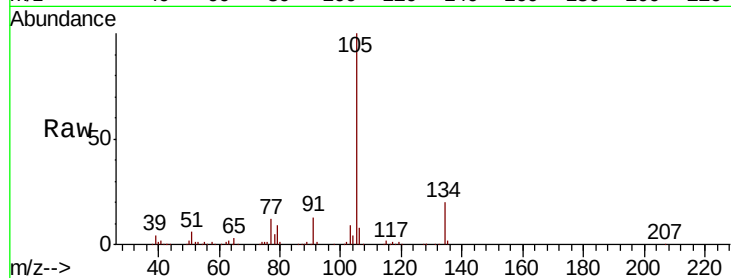
Ion Ratio Lower Upper

105 100

134 19.0 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 10.917 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000809.D

Acq: 27 Nov 2019 10:55

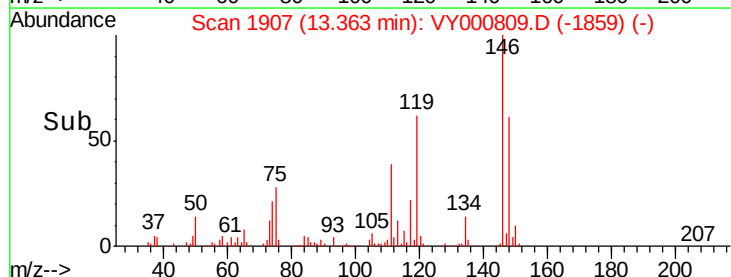
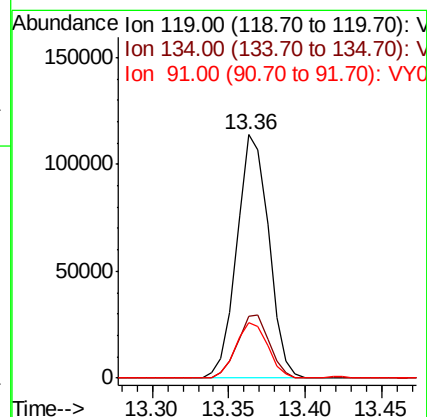
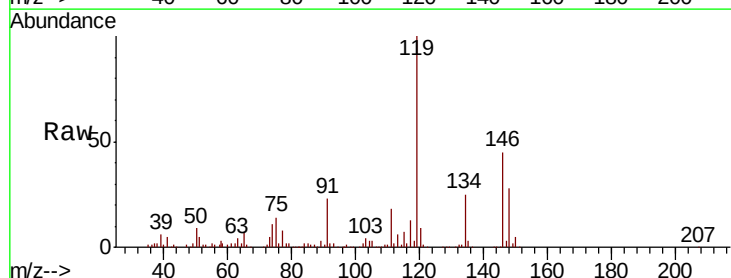
Tgt Ion:119 Resp: 164884

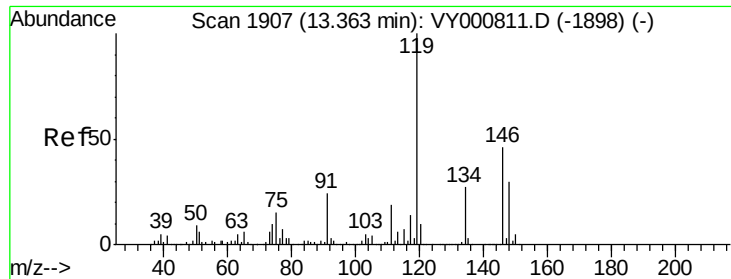
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.1 11.5 34.5





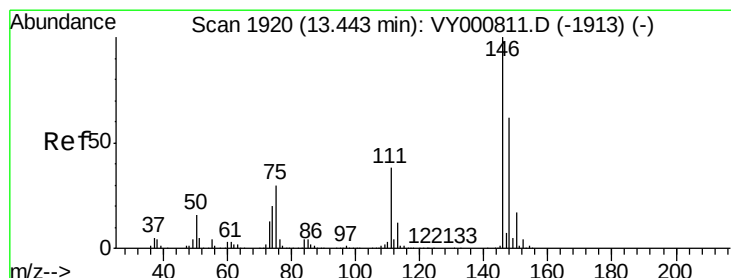
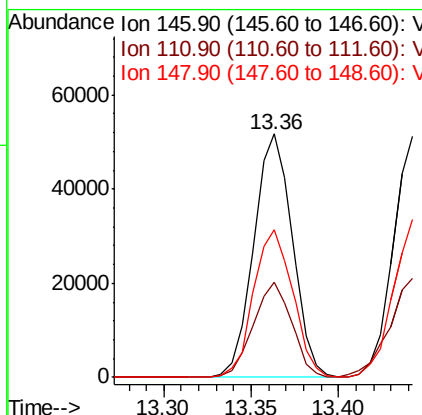
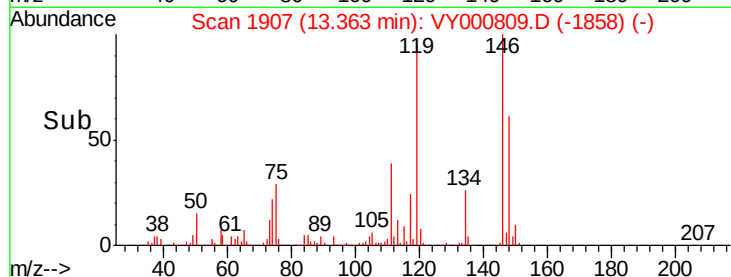
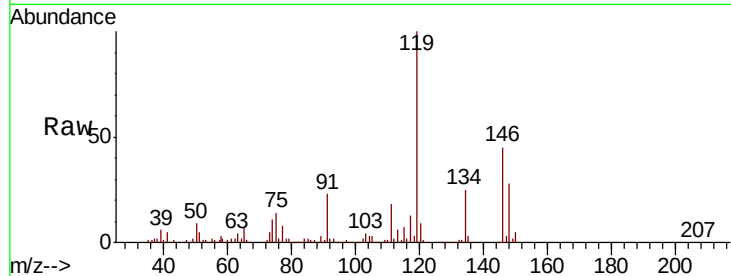
#87
 1,3-Dichlorobenzene
 Concen: 10.701 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	61.7	32.1	96.5

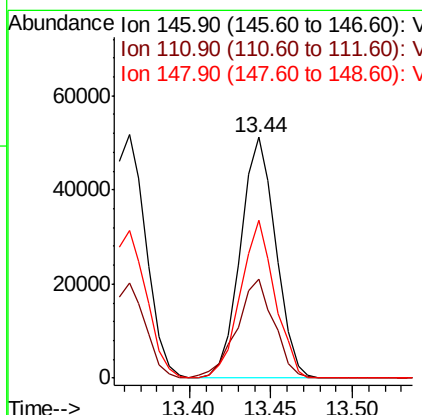
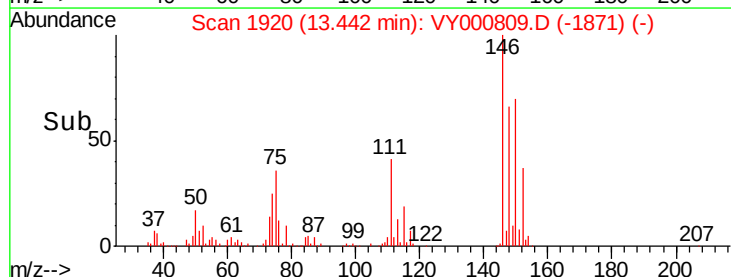
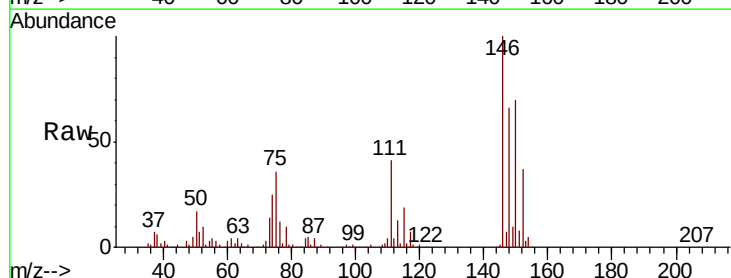
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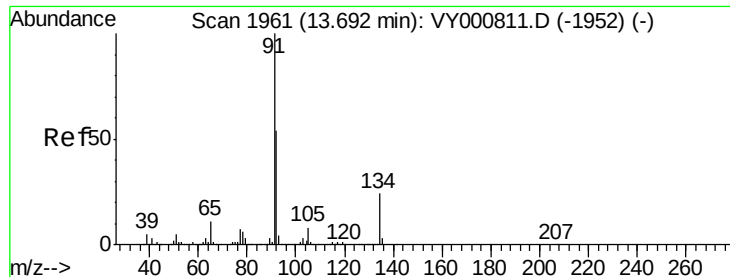
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#88
 1,4-Dichlorobenzene
 Concen: 10.431 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.0	59.9
148	63.9	31.7	95.1





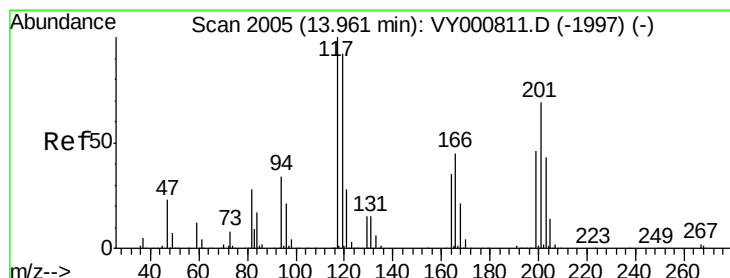
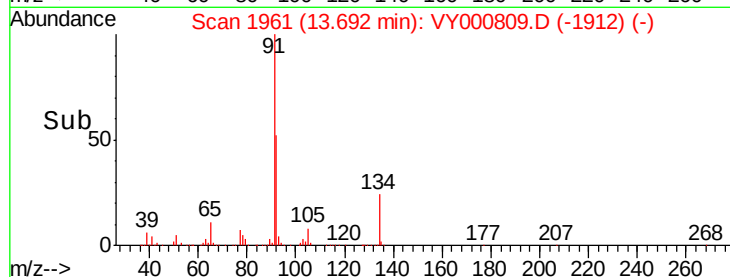
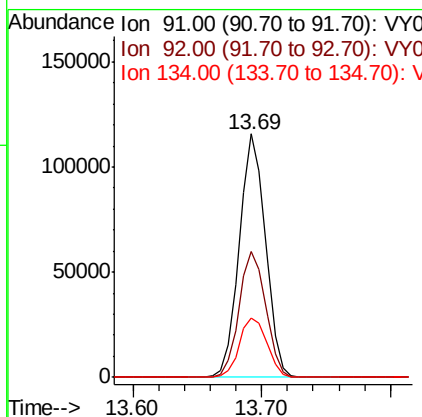
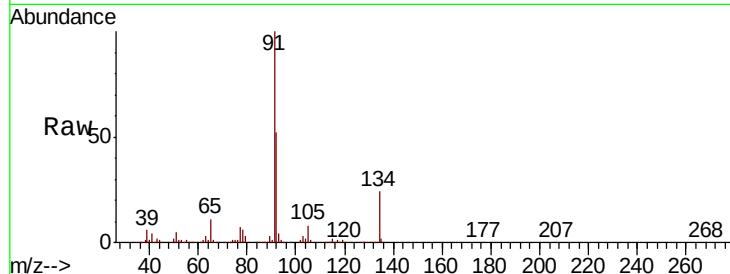
#89
n-Butylbenzene
Concen: 10.881 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	25.7	12.6	37.6

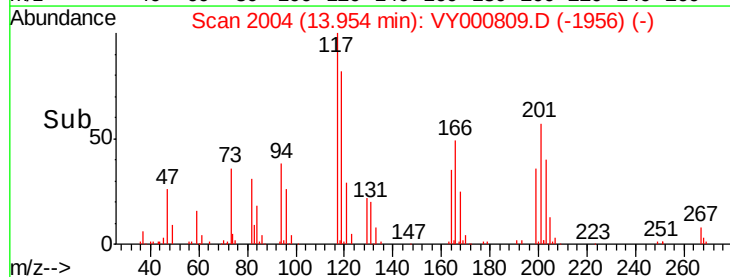
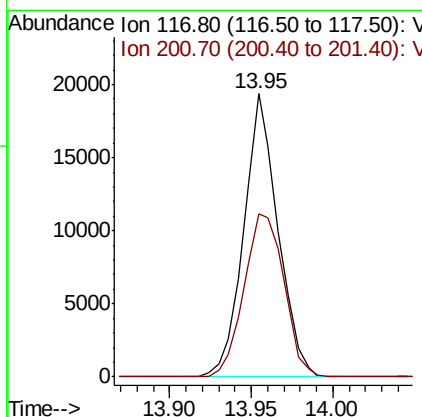
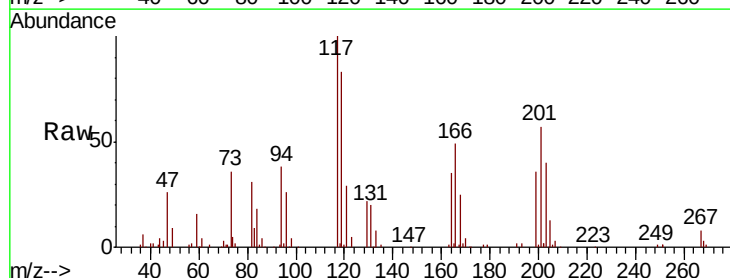
Manual Integrations
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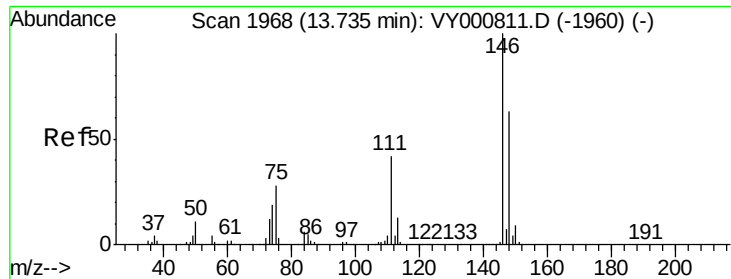
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#90
Hexachloroethane
Concen: 10.071 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.0	102.0





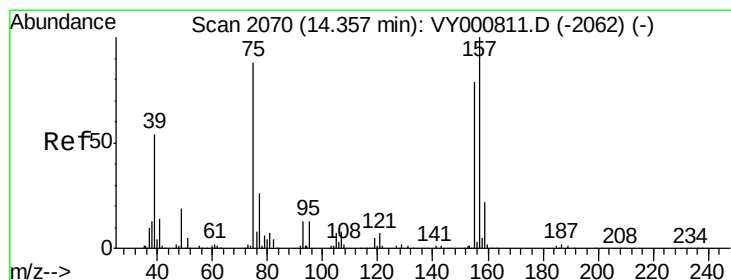
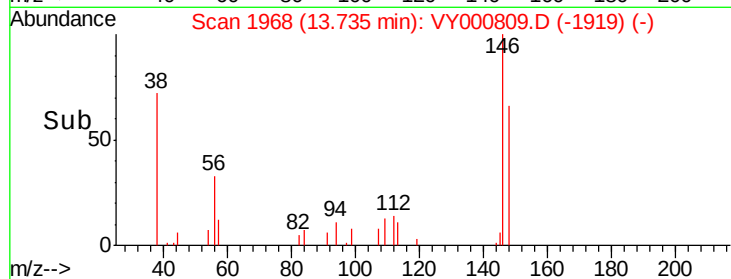
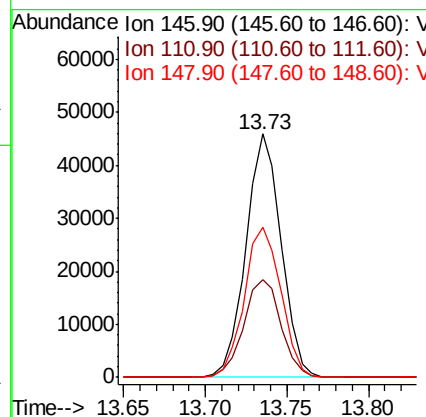
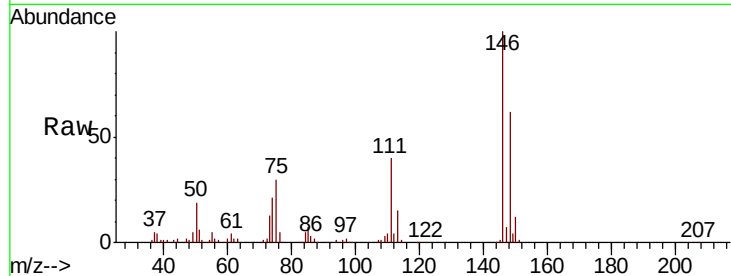
#91
 1,2-Dichlorobenzene
 Concen: 10.260 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.9	62.7
148	64.2	32.1	96.3

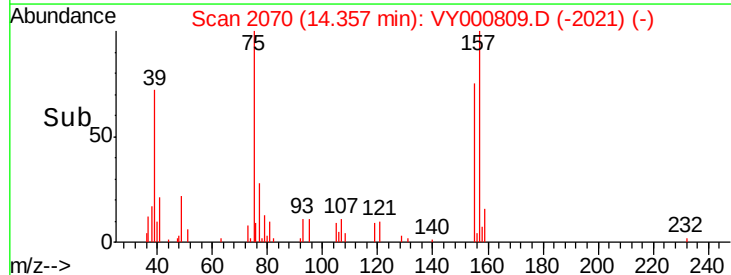
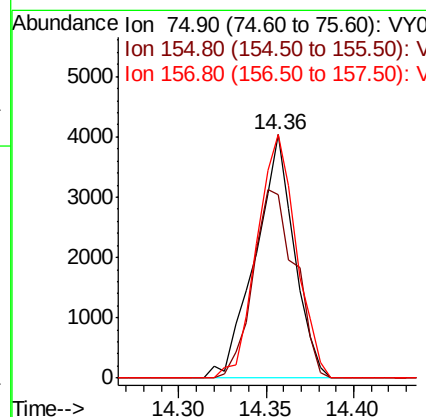
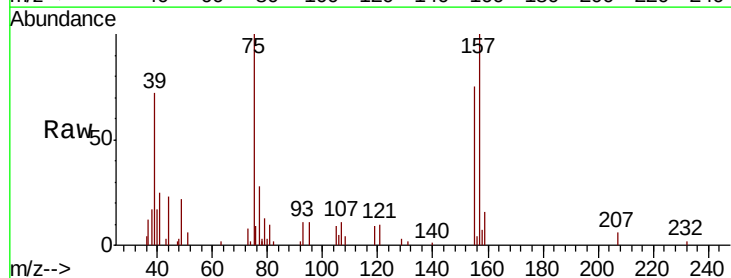
Manual Integrations
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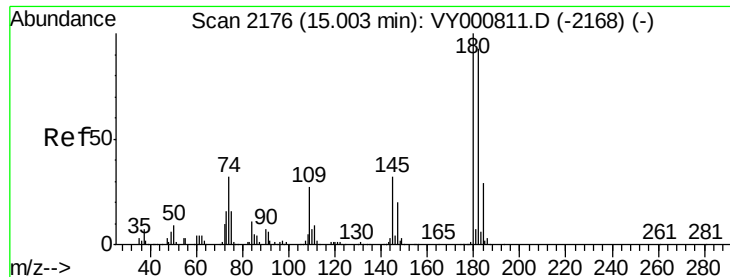
MMDadoda
 12/2/2019 11:37:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.495 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	44.3	132.9
157	101.3	56.3	168.9





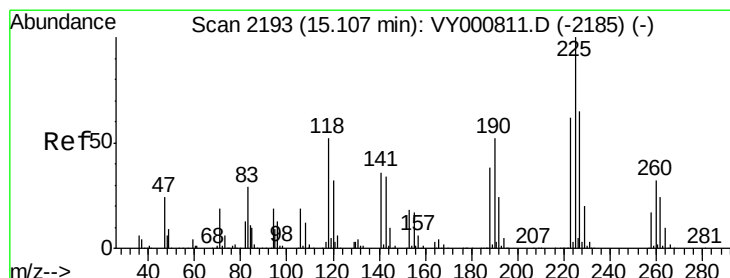
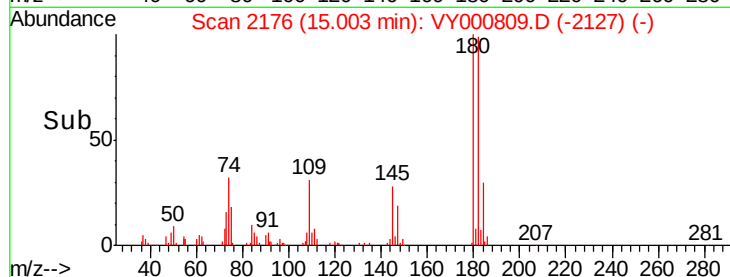
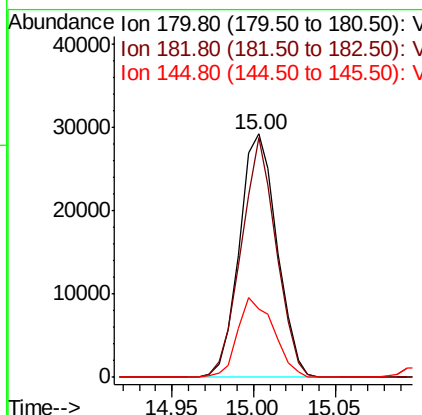
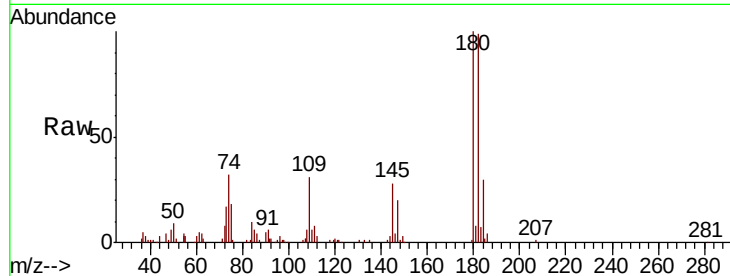
#93
 1,2,4-Trichlorobenzene
 Concen: 10.208 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46966		
182	92.4	47.3	141.9	
145	31.5	16.0	47.9	

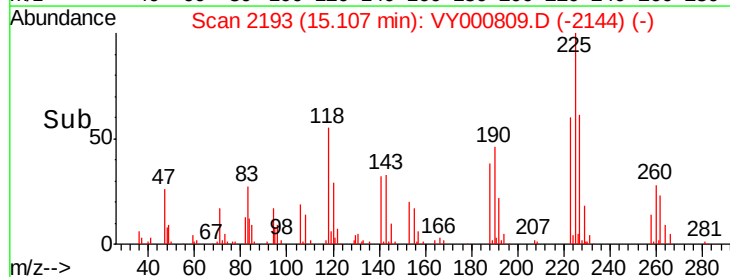
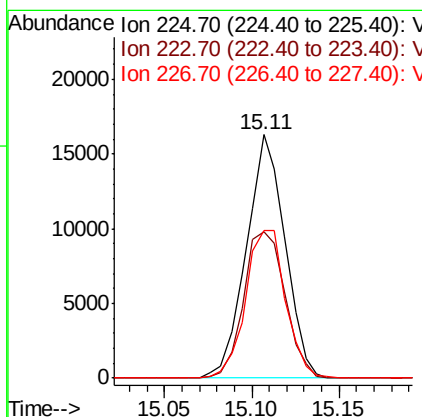
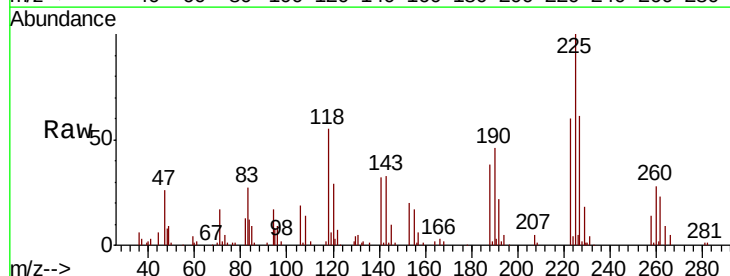
Manual Integrations
 APPROVED

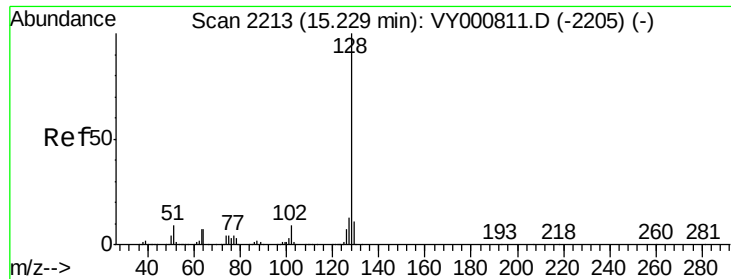
MMDadoda
 12/2/2019 11:37:38 AM



#94
 Hexachlorobutadiene
 Concen: 10.714 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000809.D
 Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24952		
223	64.6	31.4	94.3	
227	63.1	31.8	95.3	





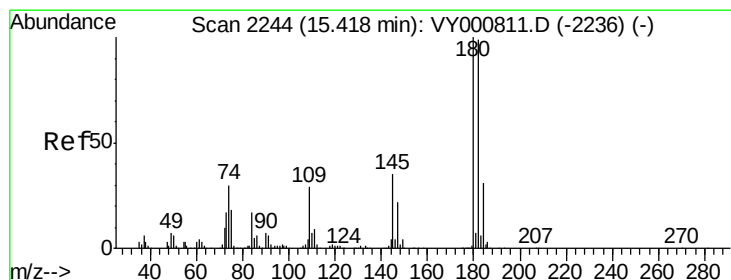
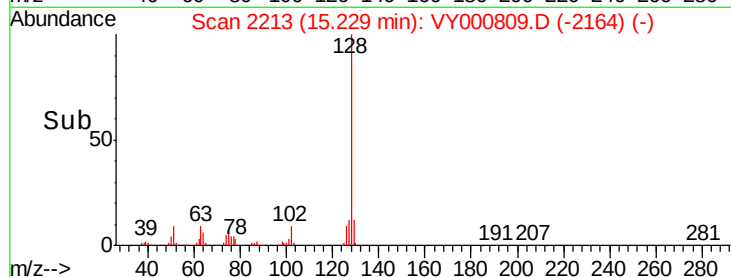
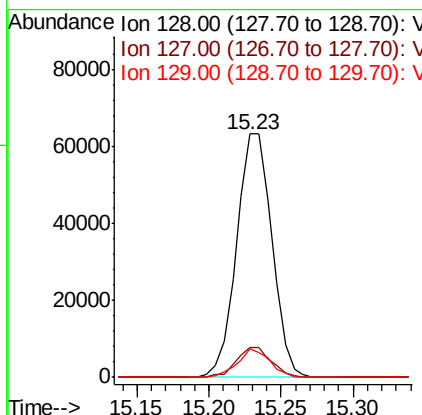
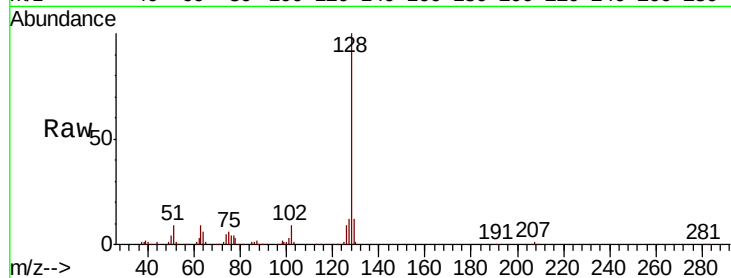
#95
Naphthalene
Concen: 10.416 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.200 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000809.D
Acq: 27 Nov 2019 10:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	48.0	144.0
145	31.3	16.9	50.6

