

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001637.D
 Acq On : 17 Feb 2020 10:46
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:55 AM

Quant Time: Feb 17 12:12:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	342366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	147919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	38921	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
35) Dibromofluoromethane	7.75	113	40295	20.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.98%	
50) Toluene-d8	10.19	98	137211	18.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.66%	
62) 4-Bromofluorobenzene	12.49	95	62512	21.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	36063	18.804	ug/l	97
3) Chloromethane	2.13	50	49813	23.814	ug/l	100
4) Vinyl Chloride	2.26	62	51365	23.828	ug/l	95
5) Bromomethane	2.66	94	32683	24.200	ug/l	98
6) Chloroethane	2.80	64	33068	25.439	ug/l	98
7) Trichlorofluoromethane	3.15	101	67239	19.788	ug/l	99
8) Diethyl Ether	3.55	74	26464	22.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42311	20.560	ug/l	96
10) Methyl Iodide	4.12	142	52366	20.003	ug/l	98
11) Tert butyl alcohol	5.00	59	29936	97.438	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	43363	21.166	ug/l	97
13) Acrolein	3.75	56	22081	116.345	ug/l	99
14) Allyl chloride	4.52	41	77657	23.990	ug/l	99
15) Acrylonitrile	5.20	53	66862	119.967	ug/l	99
16) Acetone	3.97	43	61109	99.607	ug/l	95
17) Carbon Disulfide	4.22	76	142701	21.657	ug/l	99
18) Methyl Acetate	4.51	43	31032	24.199	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	119077	21.531	ug/l	99
20) Methylene Chloride	4.75	84	52235	20.448	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	49720	21.699	ug/l	97
22) Diisopropyl ether	6.15	45	157615	24.428	ug/l	99
23) Vinyl Acetate	6.10	43	504938	121.532	ug/l	99
24) 1,1-Dichloroethane	6.05	63	84930	22.386	ug/l	99
25) 2-Butanone	7.02	43	88915	111.617	ug/l	99
26) 2,2-Dichloropropane	7.02	77	74164	20.753	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	55712	22.214	ug/l	97
28) Bromochloromethane	7.36	49	32929	24.593	ug/l	100
29) Tetrahydrofuran	7.38	42	57827	122.295	ug/l	98
30) Chloroform	7.53	83	81867	21.519	ug/l	95
31) Cyclohexane	7.81	56	88276	22.653	ug/l	93
32) 1,1,1-Trichloroethane	7.73	97	69994	20.528	ug/l	99
36) 1,1-Dichloropropene	7.94	75	68109	21.634	ug/l	99
37) Ethyl Acetate	7.10	43	38898	24.296	ug/l	99
38) Carbon Tetrachloride	7.92	117	60028	20.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	88901	21.473	ug/l	96
40) Benzene	8.19	78	201532	22.320	ug/l	98
41) Methacrylonitrile	7.35	41	20395m	28.452	ug/l	
42) 1,2-Dichloroethane	8.26	62	55226	21.921	ug/l	99
43) Isopropyl Acetate	8.30	43	75264	23.829	ug/l	99
44) Trichloroethene	8.96	130	50048	20.827	ug/l	97
45) 1,2-Dichloropropane	9.24	63	51158	23.290	ug/l	99
46) Dibromomethane	9.32	93	25671	20.990	ug/l	97
47) Bromodichloromethane	9.51	83	63078	21.267	ug/l	98
48) Methyl methacrylate	9.31	41	33411	23.361	ug/l	97
49) 1,4-Dioxane	9.31	88	7141	433.516	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	188818	120.038	ug/l	99
52) Toluene	10.25	92	124756	21.773	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	69215	21.226	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	80073	21.513	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	38243	21.651	ug/l	99
56) Ethyl methacrylate	10.52	69	55560	21.817	ug/l	97
57) 1,3-Dichloropropane	10.80	76	67833	21.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	136880	148.639	ug/l	99
59) 2-Hexanone	10.85	43	138133	118.972	ug/l	97
60) Dibromochloromethane	10.99	129	42222	20.506	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35624	20.594	ug/l	99
64) Tetrachloroethene	10.73	164	40366	20.320	ug/l	98
65) Chlorobenzene	11.52	112	128543	21.384	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	44037	21.009	ug/l	97
67) Ethyl Benzene	11.60	91	240787	21.612	ug/l	99
68) m/p-Xylenes	11.71	106	180747	43.191	ug/l	99
69) o-Xylene	12.03	106	84948	21.510	ug/l	97
70) Styrene	12.05	104	147698	21.573	ug/l	100
71) Bromoform	12.21	173	23960	20.284	ug/l #	100
73) Isopropylbenzene	12.34	105	230745	20.567	ug/l	100
74) N-amyl acetate	12.15	43	71555	23.347	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	46798	21.238	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32979m	20.800	ug/l	
77) Bromobenzene	12.61	156	50671	20.873	ug/l	95
78) n-propylbenzene	12.67	91	281396	20.824	ug/l	100
79) 2-Chlorotoluene	12.76	91	158313	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	190826	20.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17627	20.820	ug/l #	92
82) 4-Chlorotoluene	12.86	91	165628	20.490	ug/l	99
83) tert-Butylbenzene	13.08	119	163729	20.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	191847	20.481	ug/l	100
85) sec-Butylbenzene	13.26	105	235809	20.916	ug/l	100
86) p-Isopropyltoluene	13.38	119	209437	21.095	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	99062	21.151	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	99172	21.147	ug/l	100
89) n-Butylbenzene	13.70	91	211592	21.467	ug/l	99
90) Hexachloroethane	13.97	117	37672	19.803	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	90988	21.405	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7878	19.681	ug/l	97

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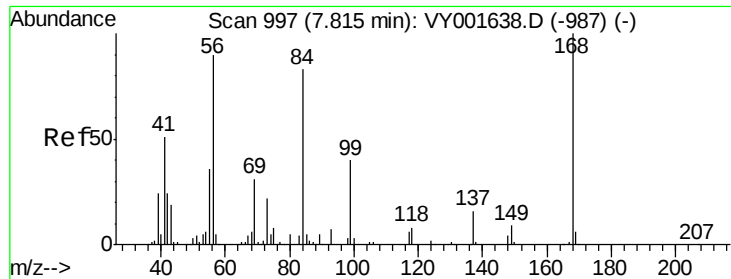
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	60117	20.981	ug/l	98
94) Hexachlorobutadiene	15.11	225	29998	20.846	ug/l	98
95) Naphthalene	15.23	128	134911	19.847	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	52626	20.749	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 194636

Ion Ratio Lower Upper

168 100

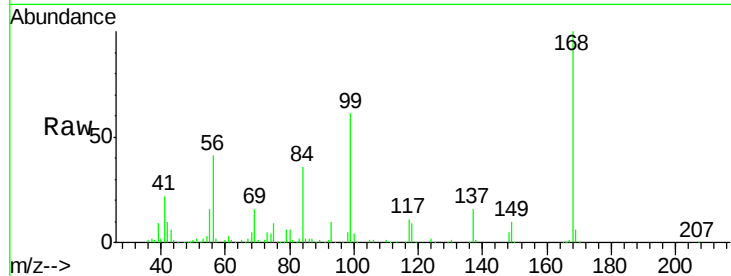
99 61.4 46.6 69.8

Manual Integrations

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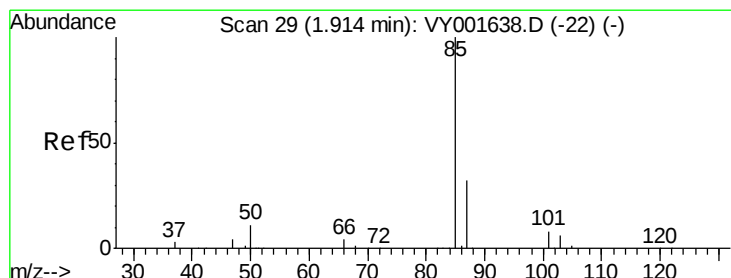
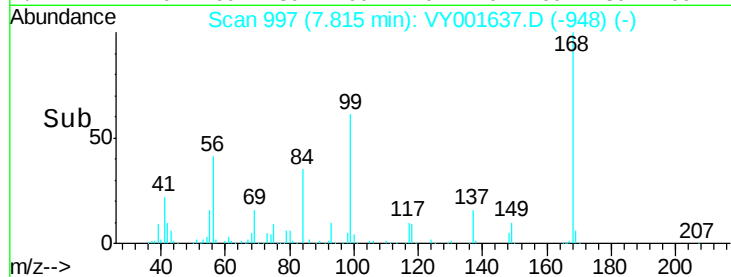
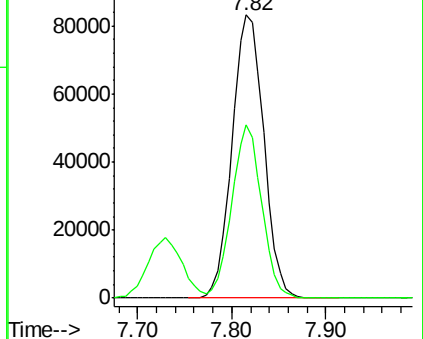
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Abundance Ion 167.90 (167.60 to 168.60): VY001637.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001637.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 18.804 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001637.D

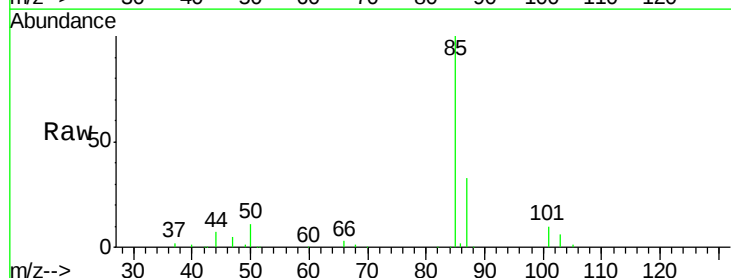
Acq: 17 Feb 2020 10:46

Tgt Ion: 85 Resp: 36063

Ion Ratio Lower Upper

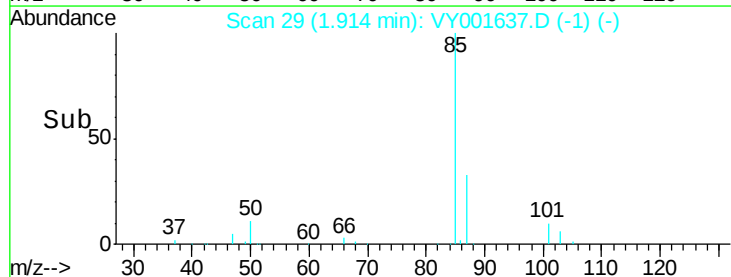
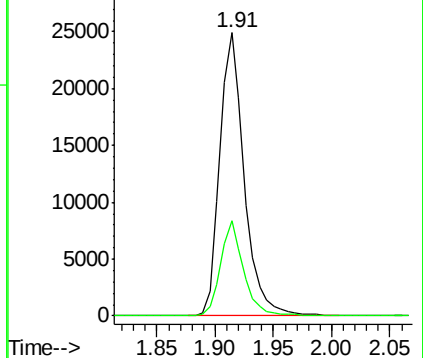
85 100

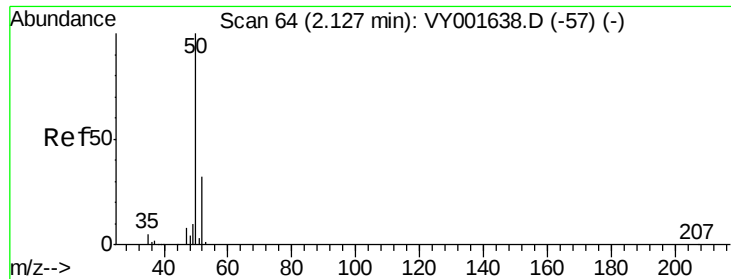
87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VY001637.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001637.D (-22) (-)





#3

Chloromethane

Concen: 23.814 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 49813

Ion Ratio Lower Upper

50 100

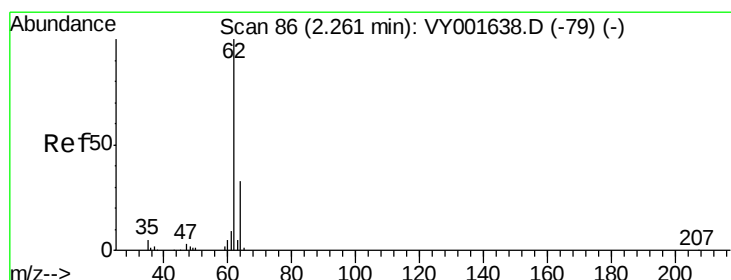
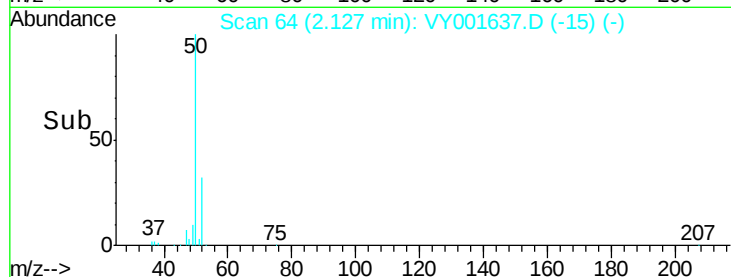
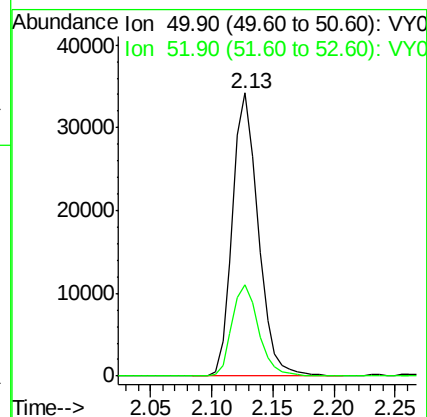
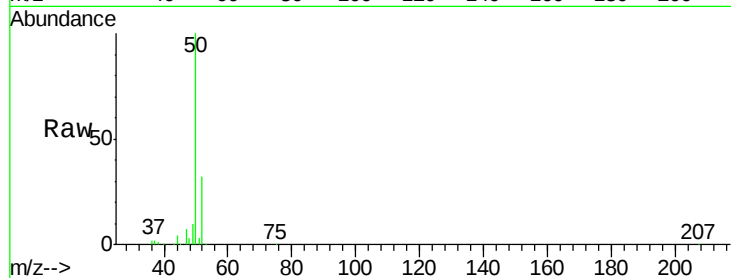
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.828 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001637.D

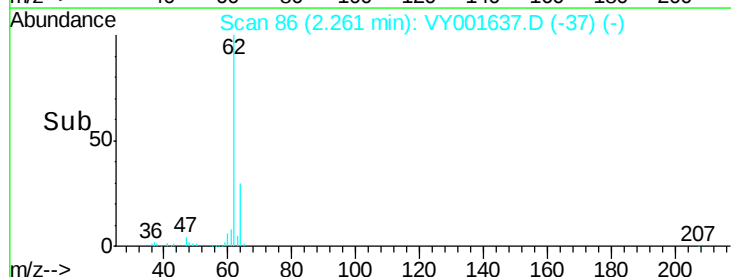
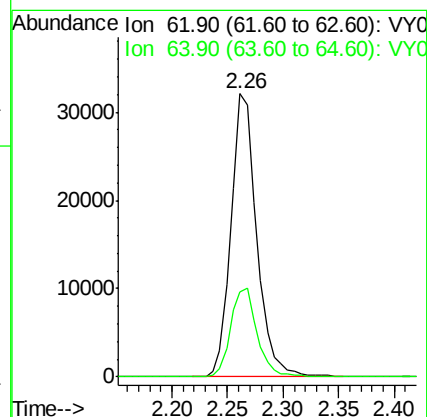
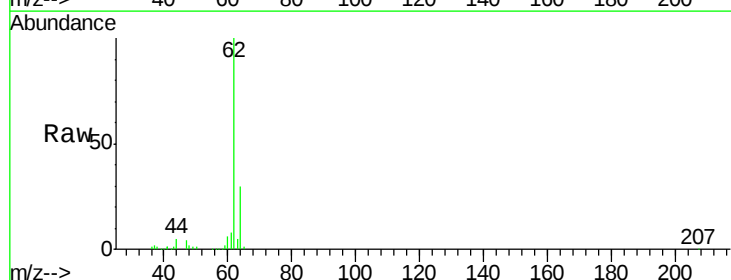
Acq: 17 Feb 2020 10:46

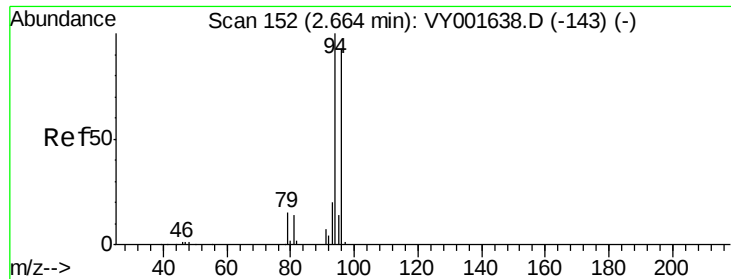
Tgt Ion: 62 Resp: 51365

Ion Ratio Lower Upper

62 100

64 30.2 26.3 39.5





#5

Bromomethane

Concen: 24.200 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 32683

Ion Ratio Lower Upper

94 100

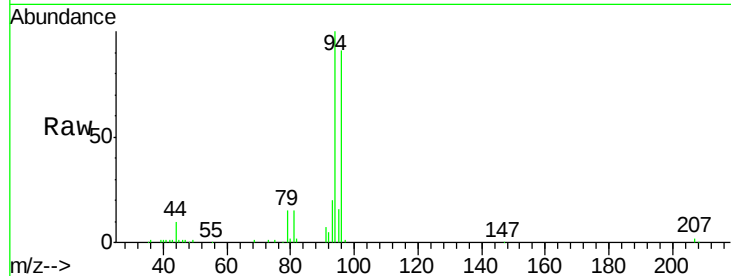
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Manual Integrations

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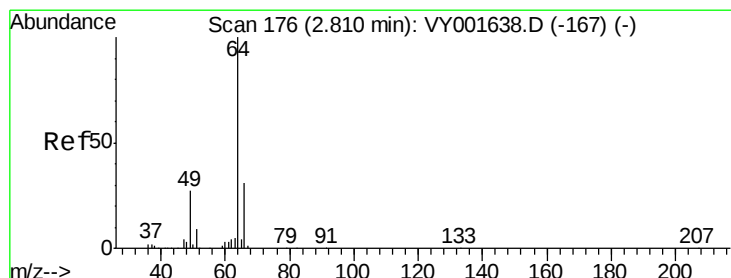
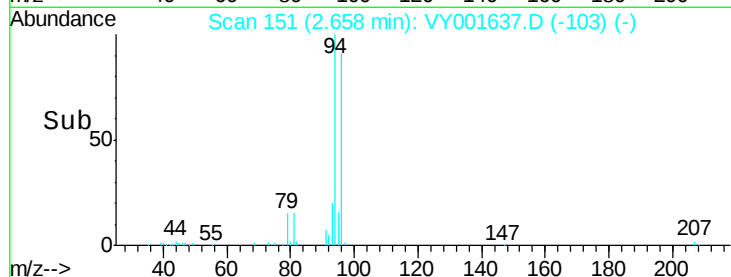
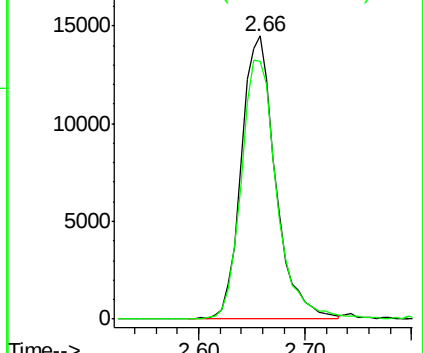
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 25.439 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001637.D

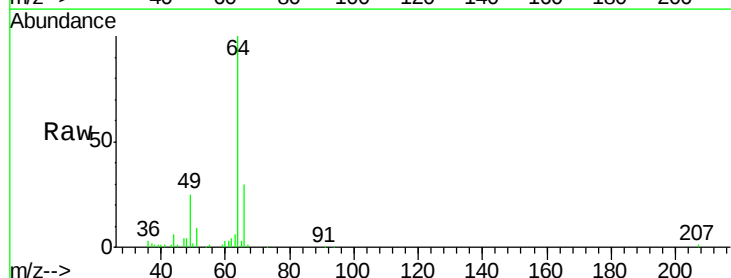
Acq: 17 Feb 2020 10:46

Tgt Ion: 64 Resp: 33068

Ion Ratio Lower Upper

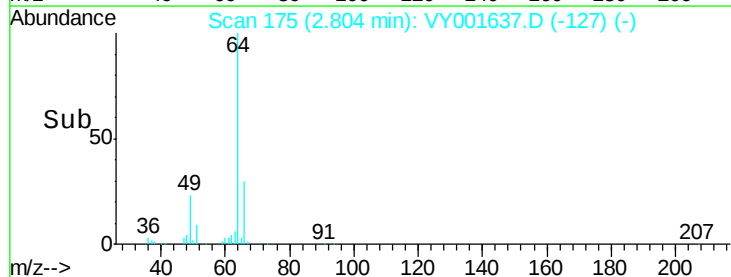
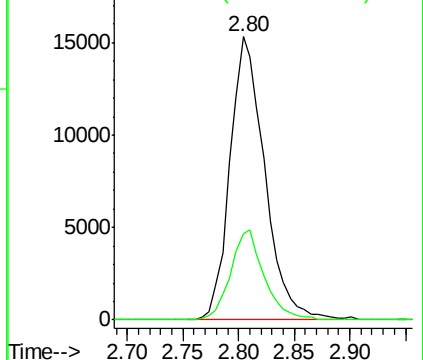
64 100

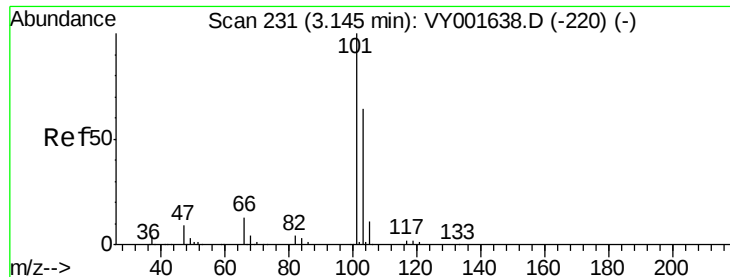
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

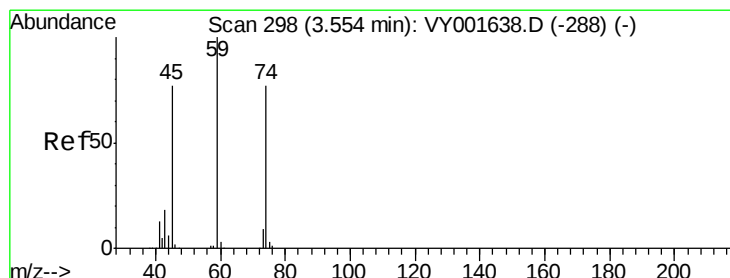
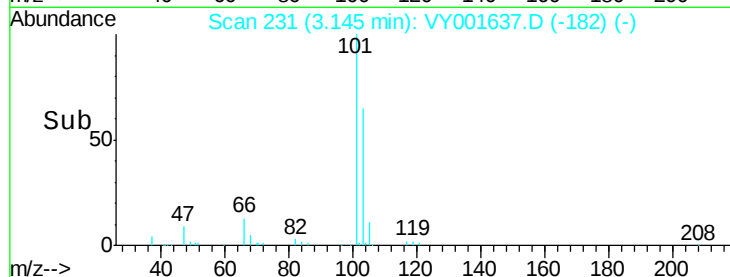
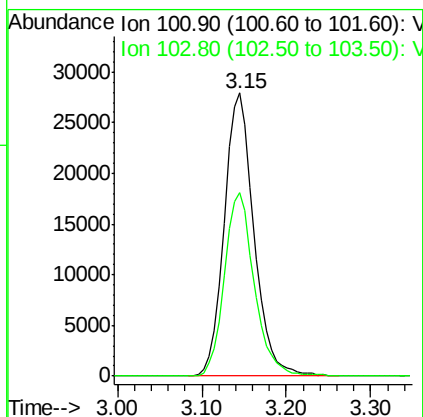
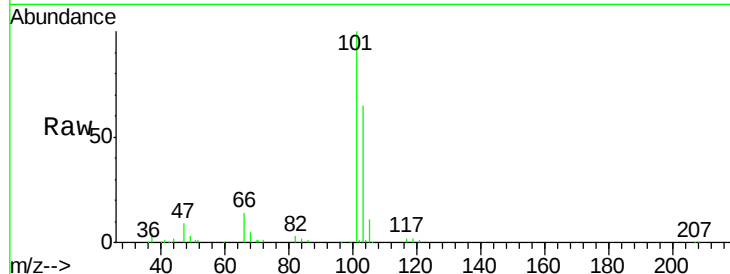
Trichlorofluoromethane
Concen: 19.788 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

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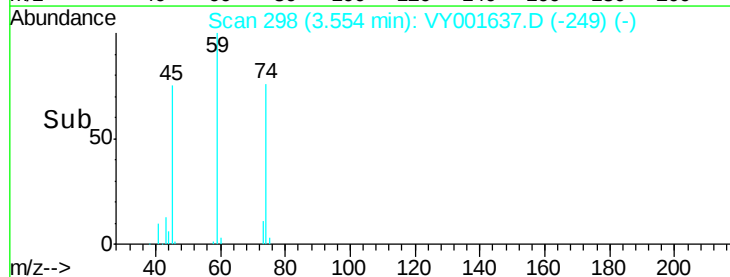
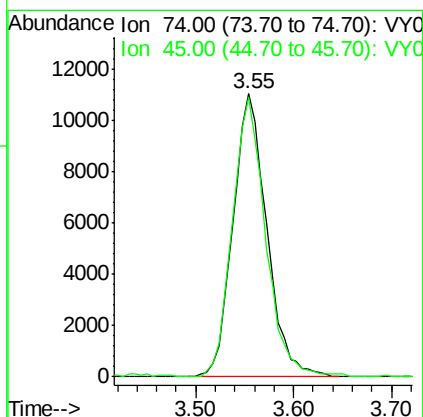
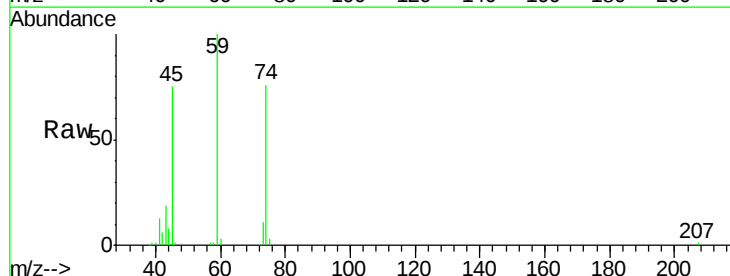
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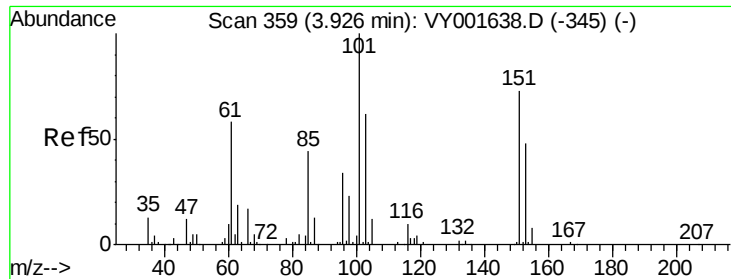


#8

Diethyl Ether
Concen: 22.449 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.560 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

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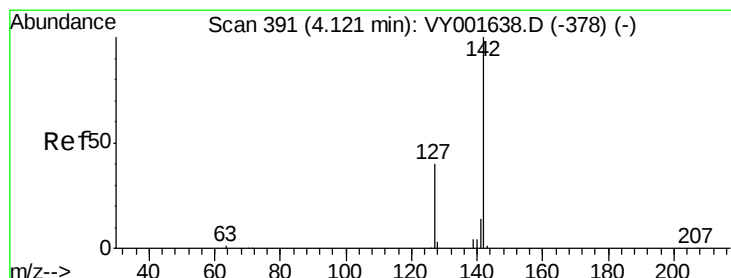
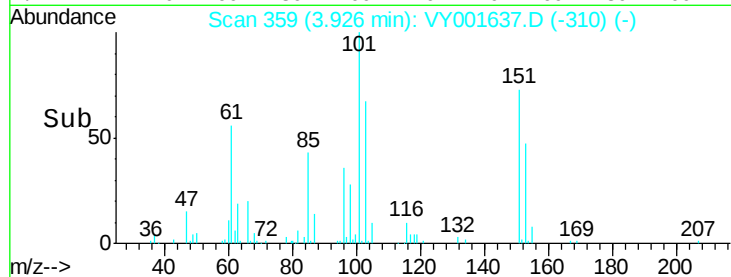
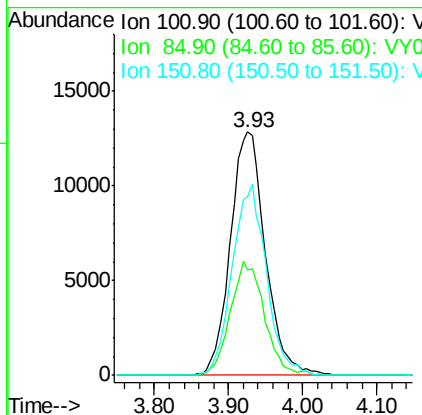
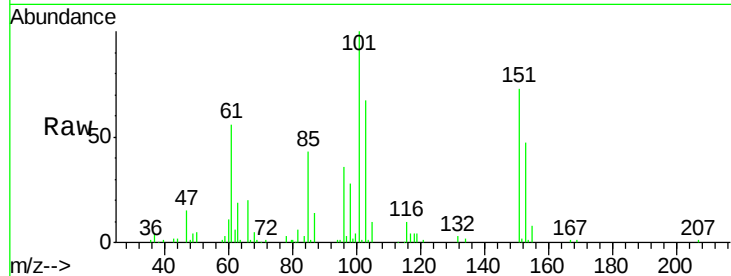
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	42311
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.6	52.0
151	76.6	58.6	88.0

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#10

Methyl Iodide

Concen: 20.003 ug/l

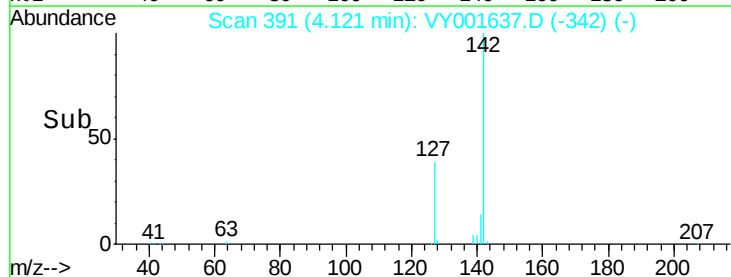
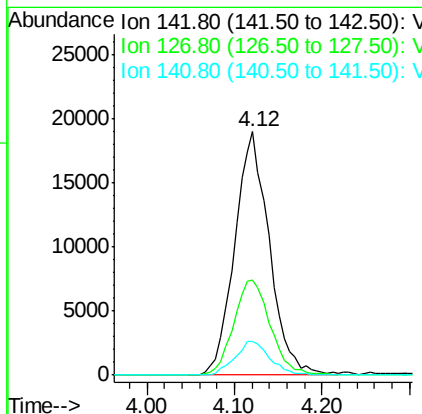
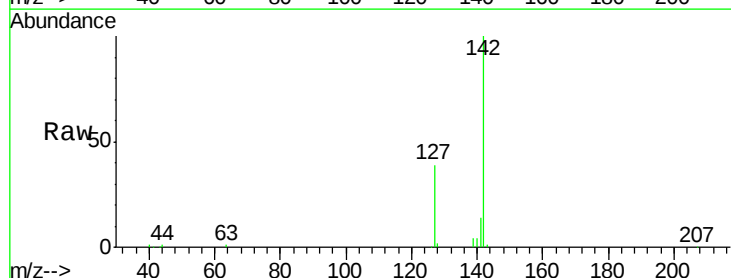
RT: 4.12 min Scan# 391

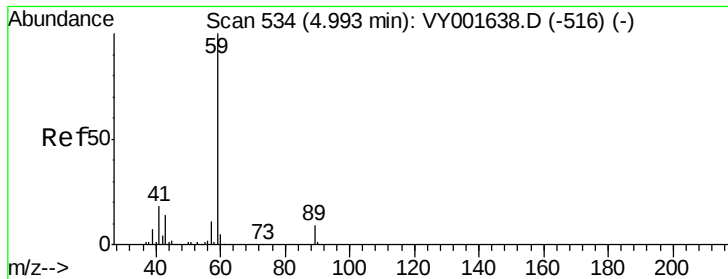
Delta R.T. -0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion:	142	Resp:	52366
Ion Ratio	Lower	Upper	
142	100		
127	41.2	31.8	47.8
141	13.9	11.3	16.9





#11

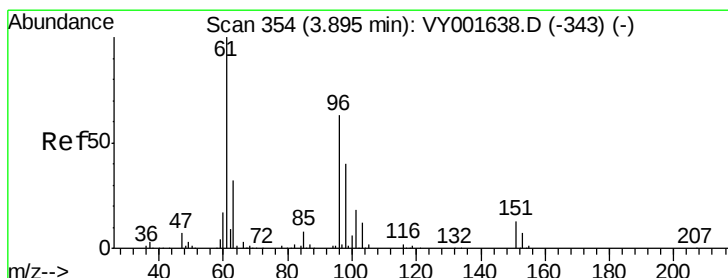
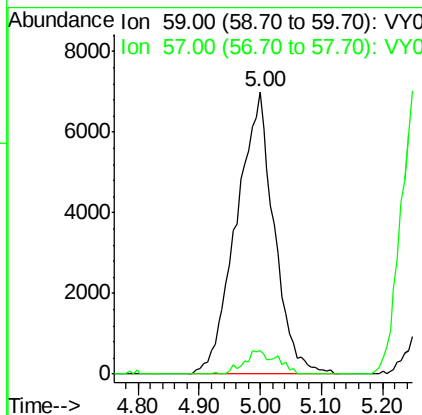
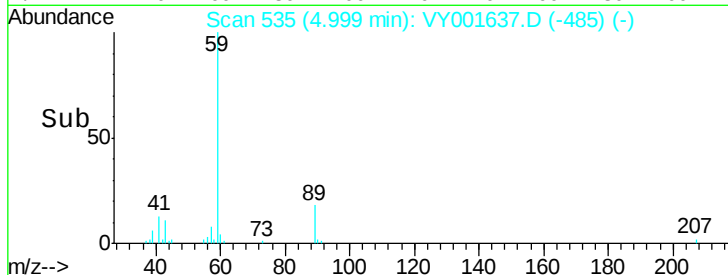
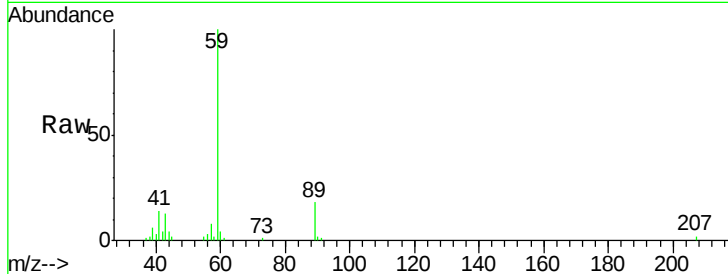
Tert butyl alcohol
Concen: 97.438 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29936		
57	5.1		7.4	11.2#

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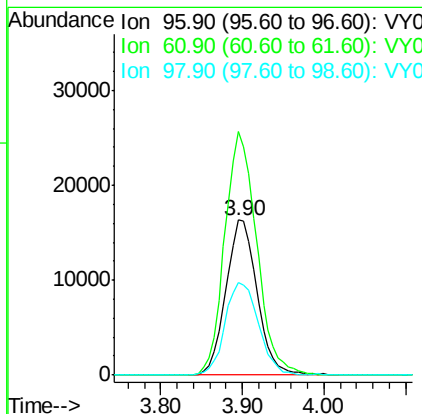
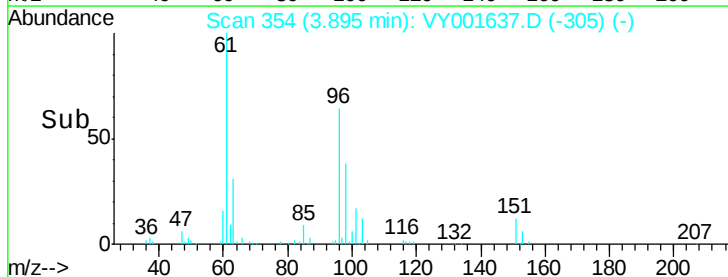
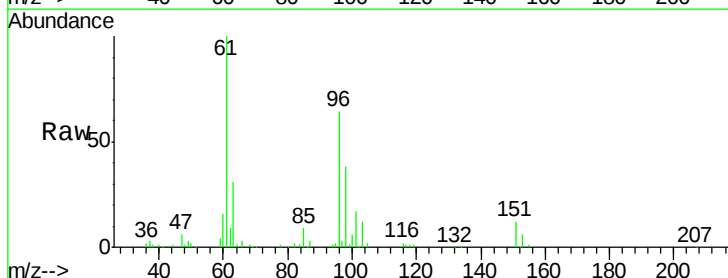
MMDadoda
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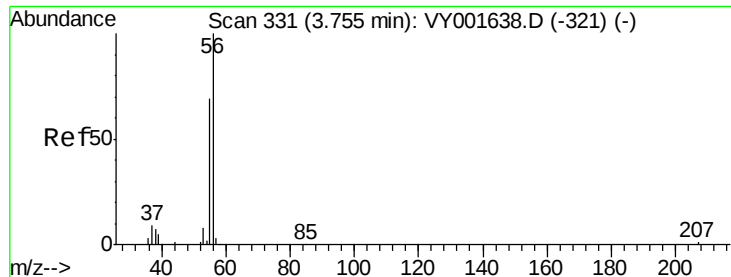


#12

1,1-Dichloroethene
Concen: 21.166 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	43363		
61	157.3		127.9	191.9
98	60.1		51.0	76.4





#13

Acrolein

Concen: 116.345 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 22081

Ion Ratio Lower Upper

56 100

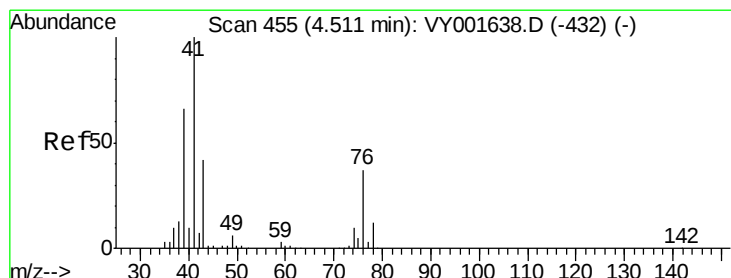
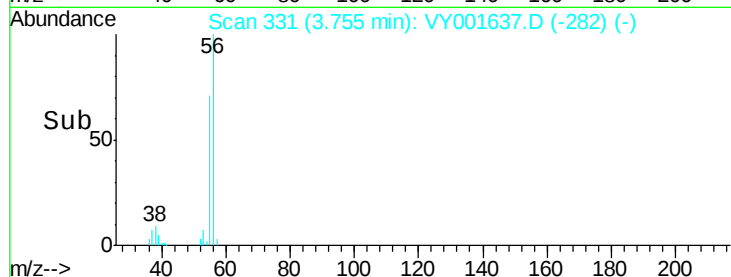
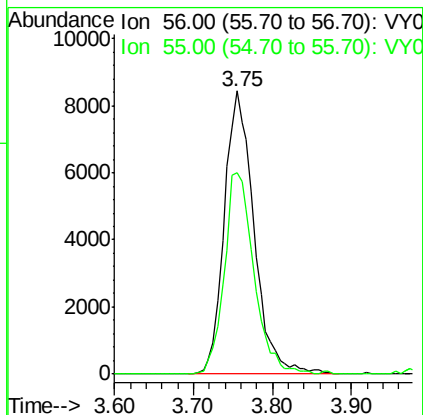
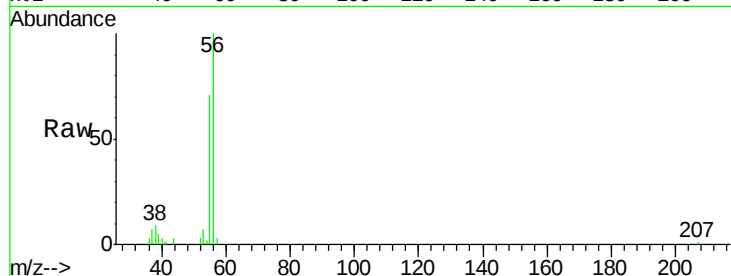
55 71.1 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 23.990 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

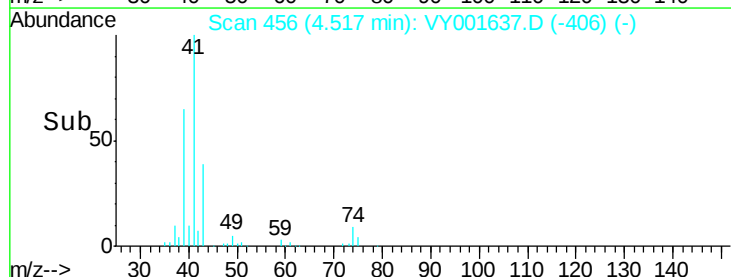
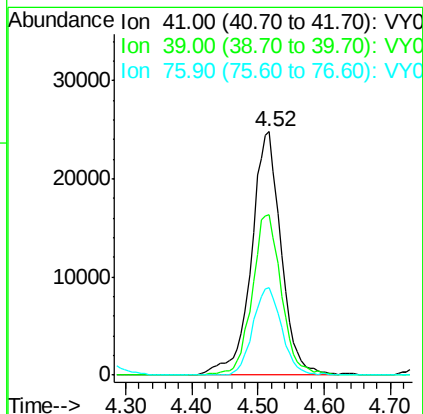
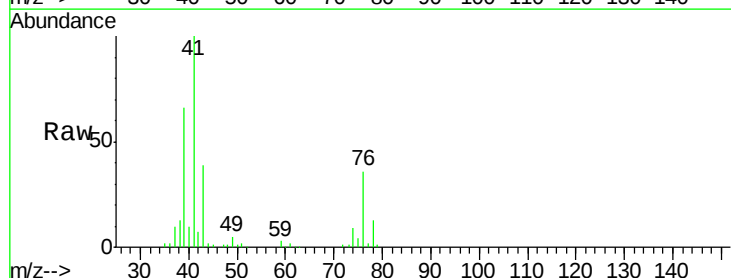
Tgt Ion: 41 Resp: 77657

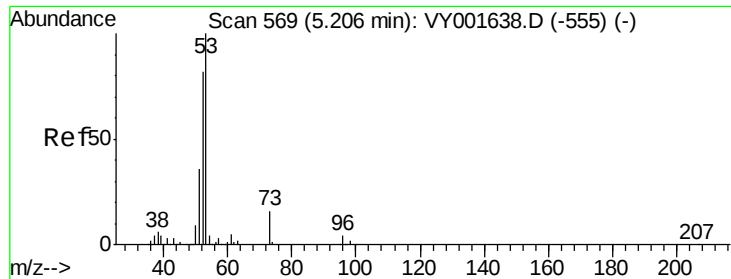
Ion Ratio Lower Upper

41 100

39 64.8 51.0 76.4

76 34.6 28.2 42.4





#15

Acrylonitrile

Concen: 119.967 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

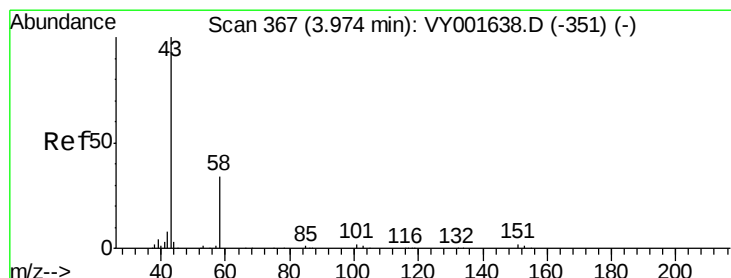
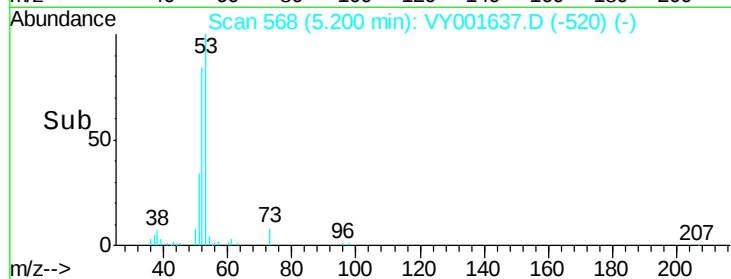
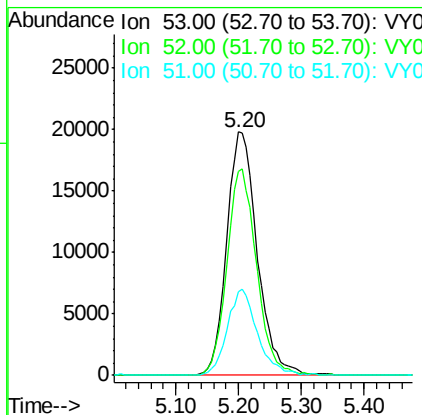
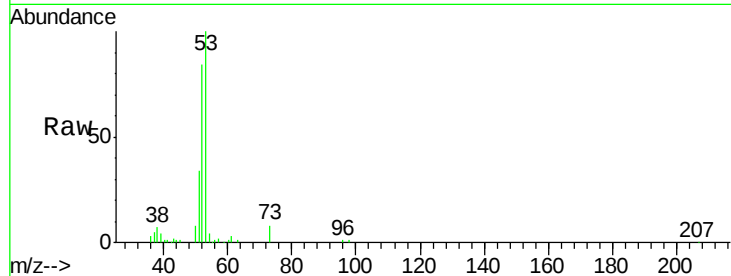
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	66862
Ion Ratio	Lower	Upper	
53	100		
52	82.2	64.9	97.3
51	34.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 99.607 ug/l

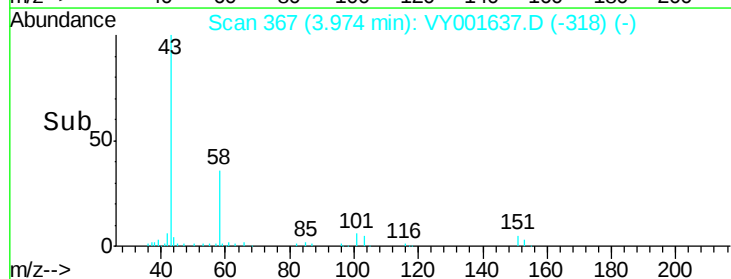
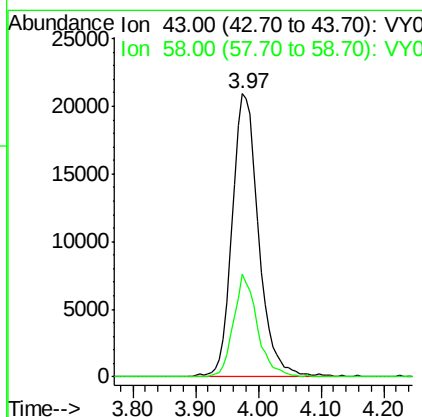
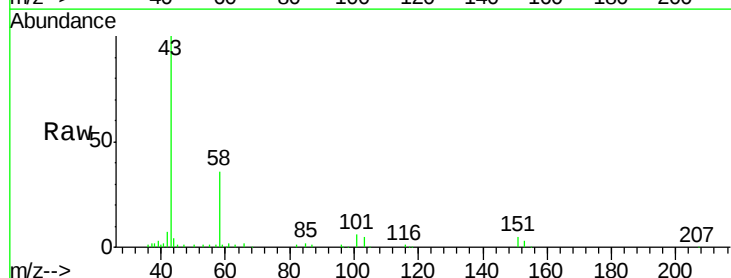
RT: 3.97 min Scan# 367

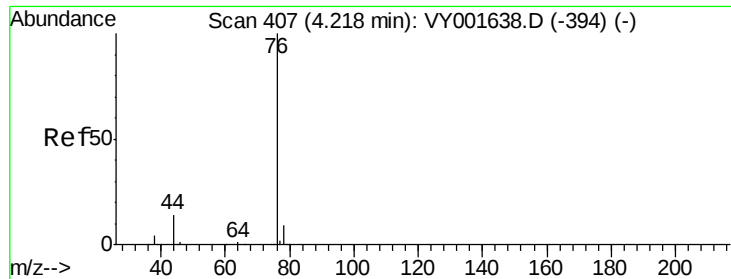
Delta R.T. -0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion:	43	Resp:	61109
Ion Ratio	Lower	Upper	
43	100		
58	36.3	27.0	40.4





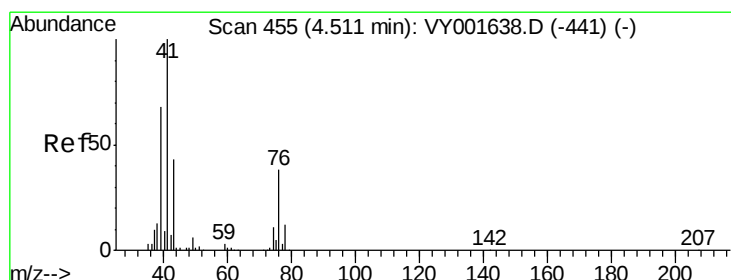
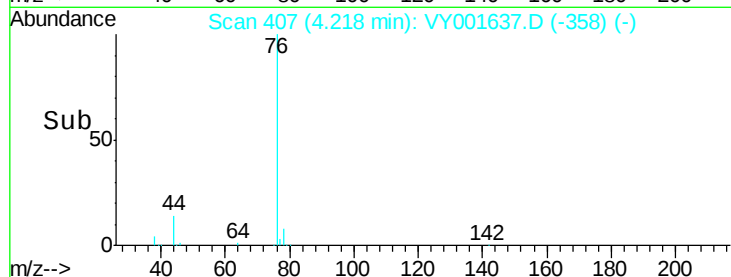
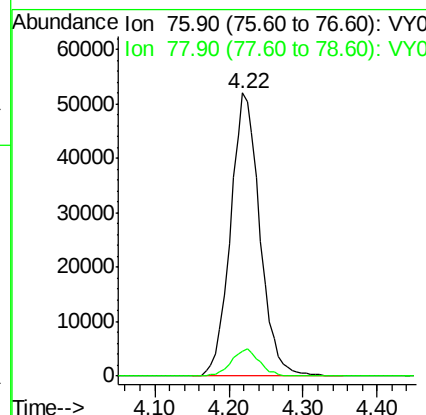
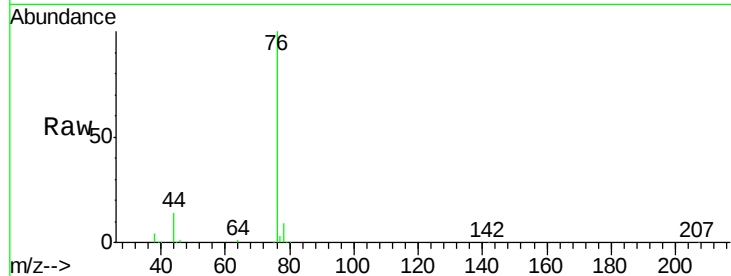
#17
Carbon Disulfide
Concen: 21.657 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

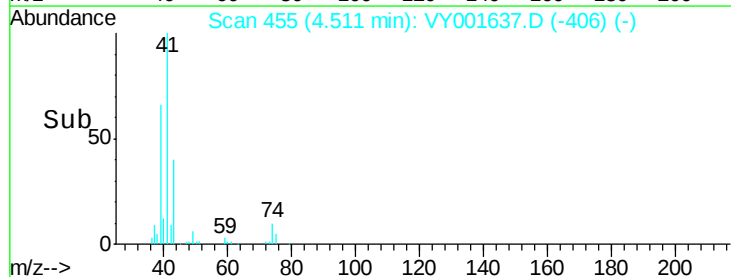
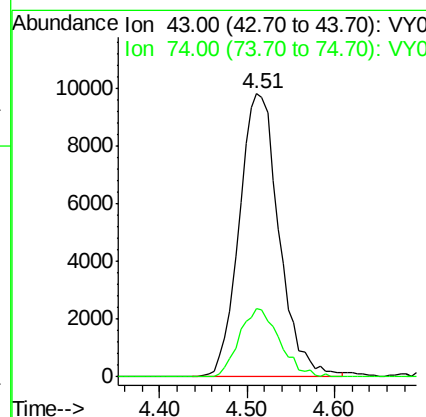
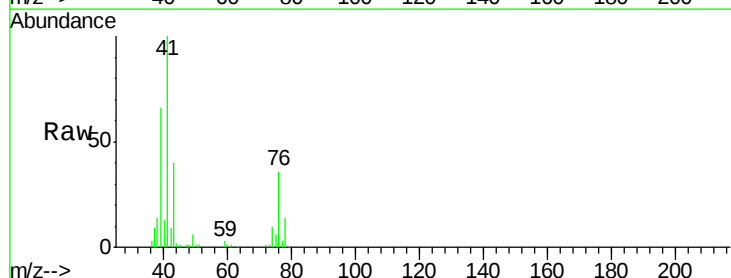
Manual Integrations
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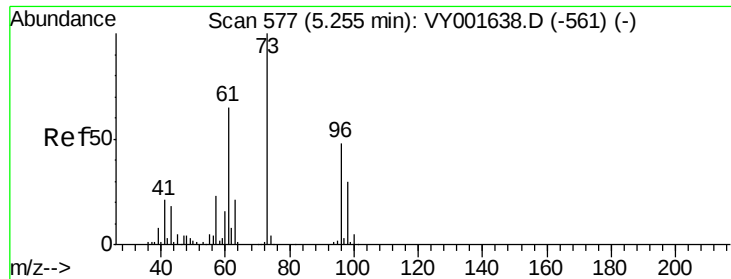
MMDadoda
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#18
Methyl Acetate
Concen: 24.199 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.2	27.4





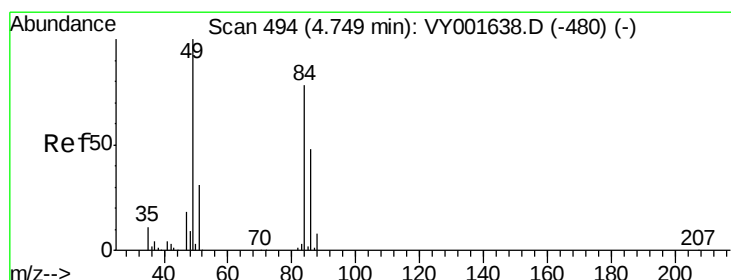
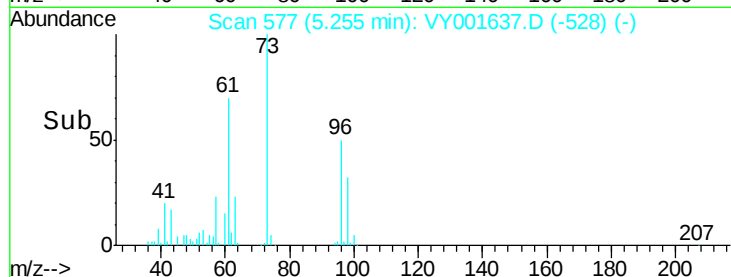
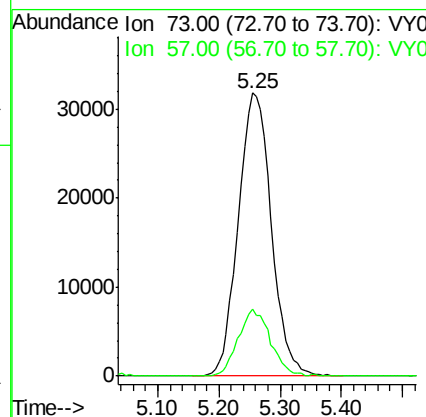
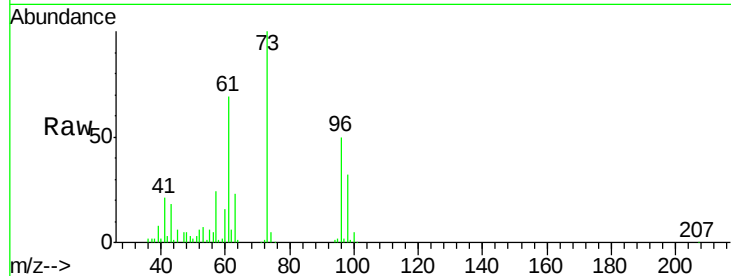
#19
Methvl tert-butvl Ether
Concen: 21.531 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 119077
Ion Ratio Lower Upper
73 100
57 23.9 18.6 27.8

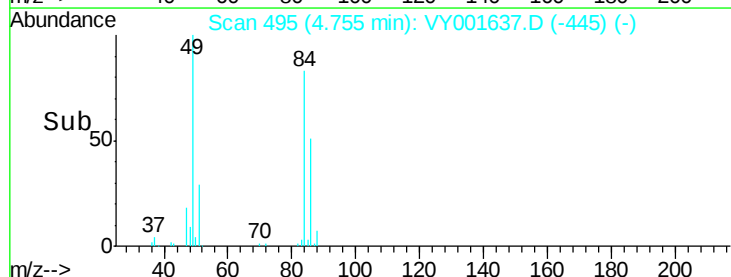
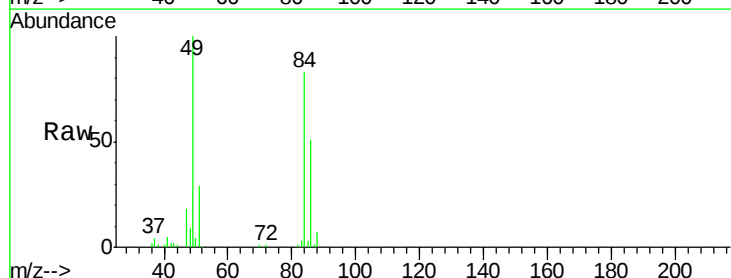
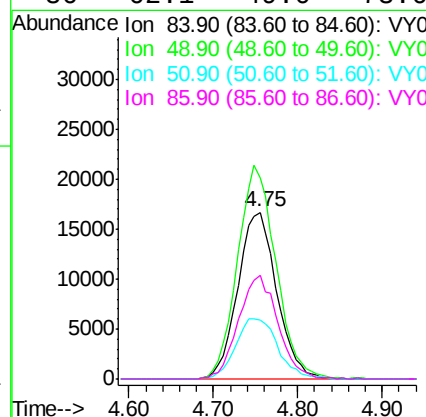
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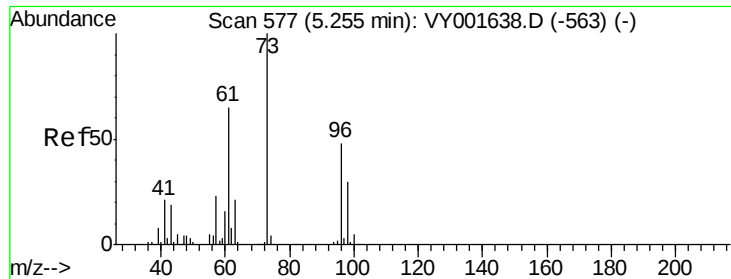
MMDadoda
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#20
Methylene Chloride
Concen: 20.448 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion: 84 Resp: 52235
Ion Ratio Lower Upper
84 100
49 120.7 102.3 153.5
51 35.1 31.4 47.2
86 62.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.699 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

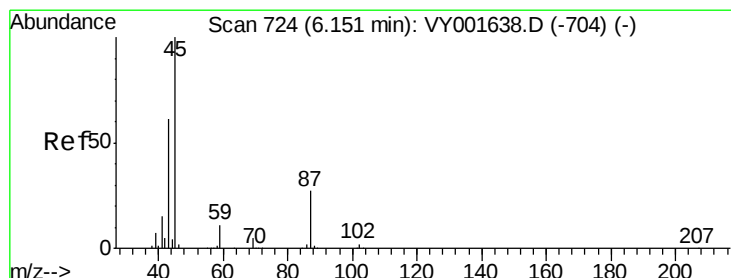
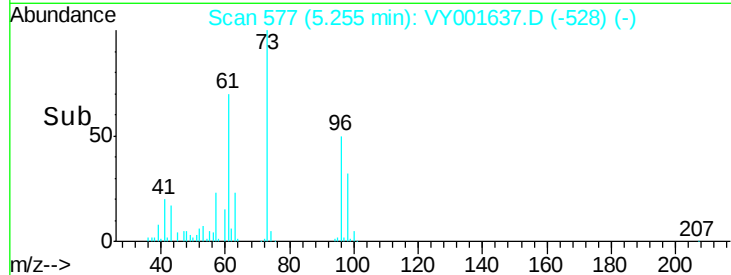
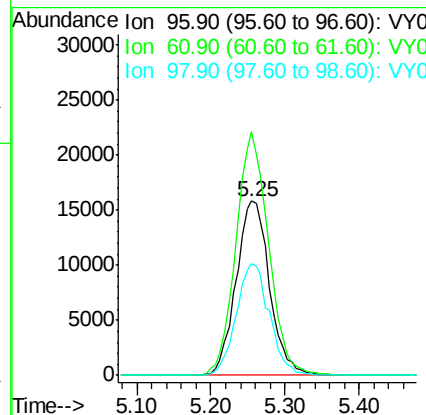
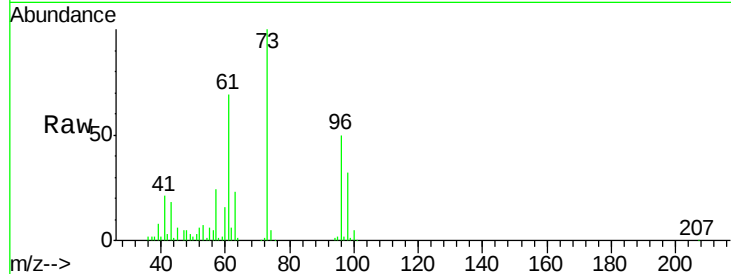
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	49720
Ion	Ratio	Lower	Upper
96	100		
61	139.9	109.0	163.4
98	64.1	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.428 ug/l

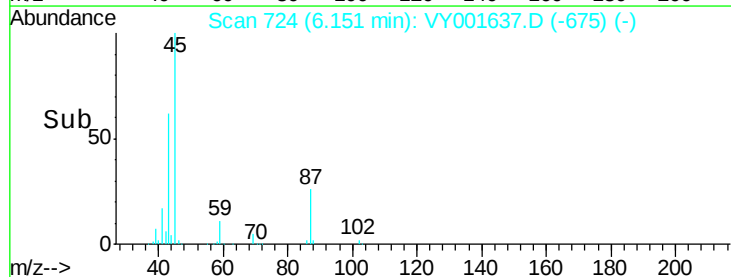
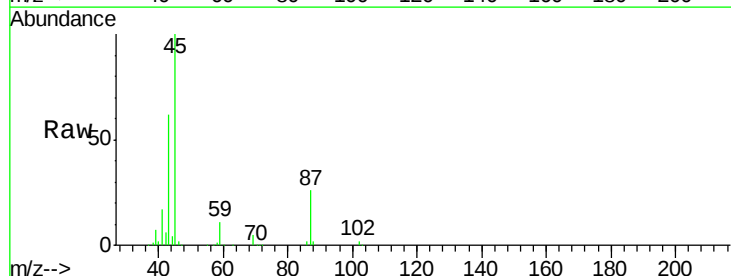
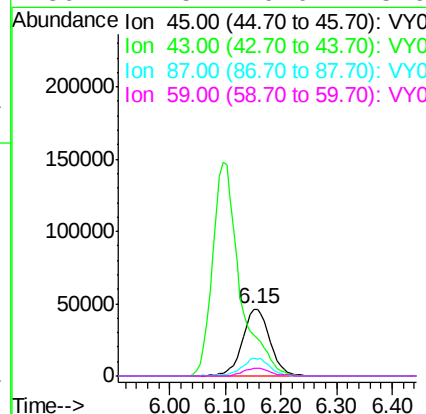
RT: 6.15 min Scan# 724

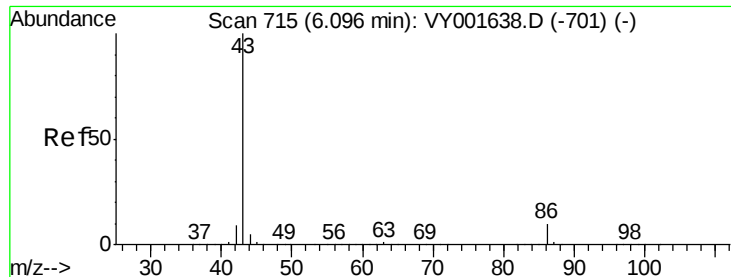
Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion:	45	Resp:	157615
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.6	72.8
87	25.9	21.7	32.5
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 121.532 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 504938

Ion Ratio Lower Upper

43 100

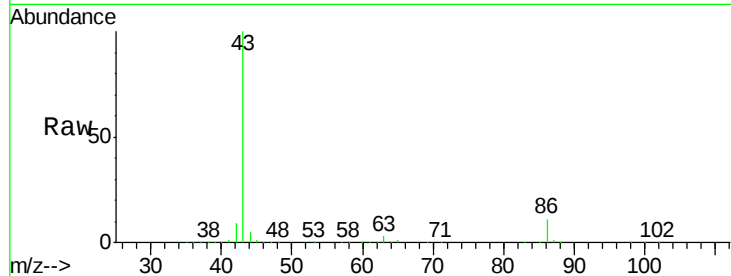
86 10.7 8.3 12.5

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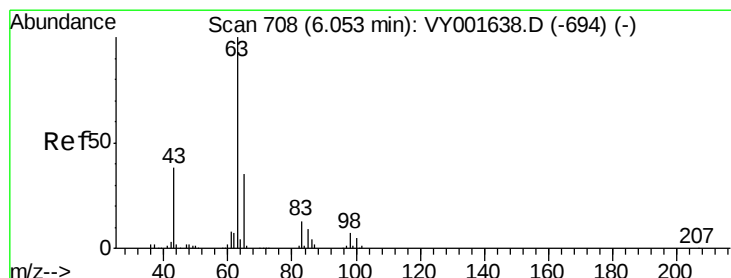
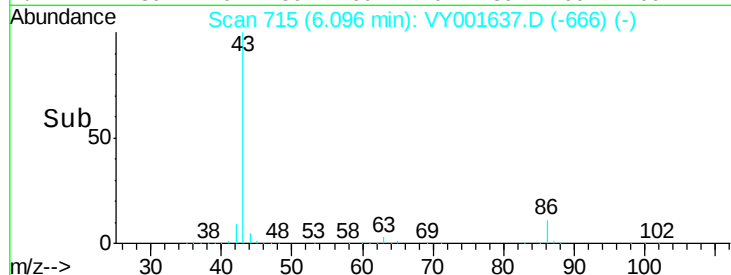
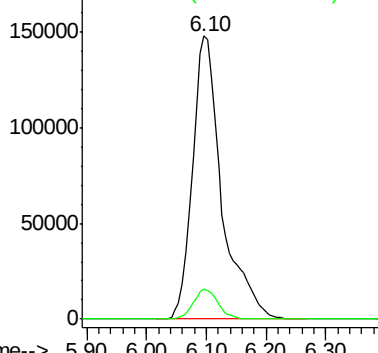
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.386 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

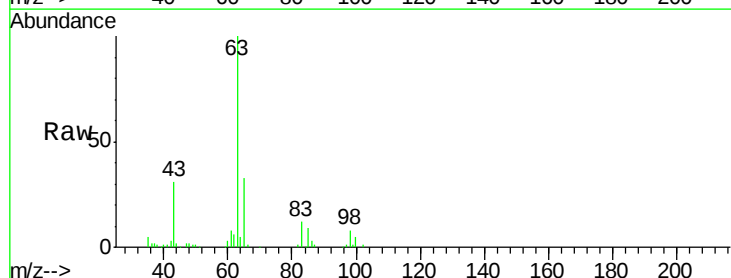
Tgt Ion: 63 Resp: 84930

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

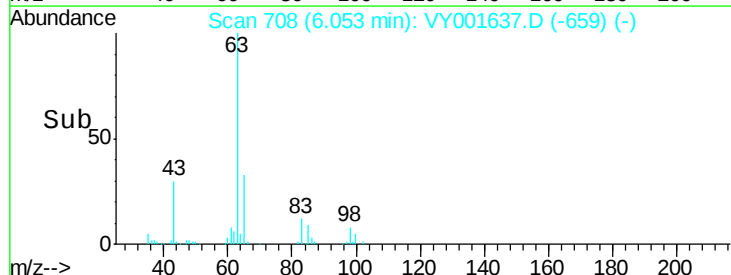
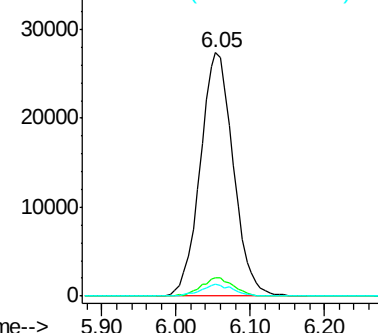
100 4.8 2.3 6.9

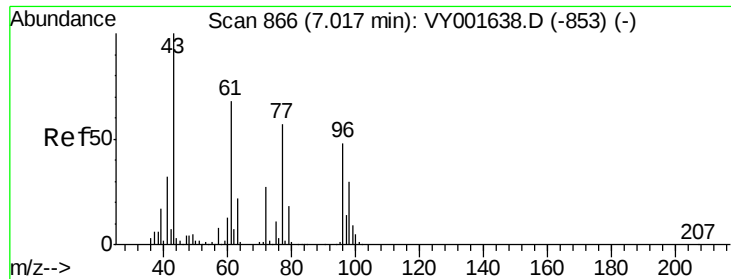


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 111.617 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 88915

Ion Ratio Lower Upper

43 100

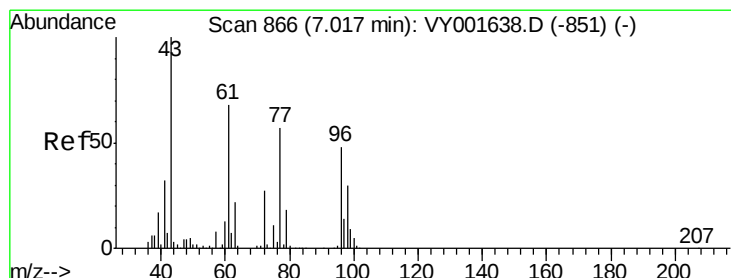
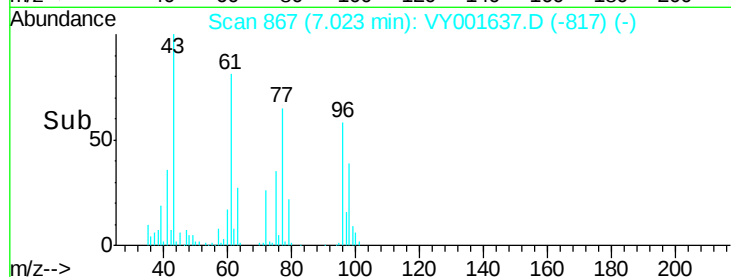
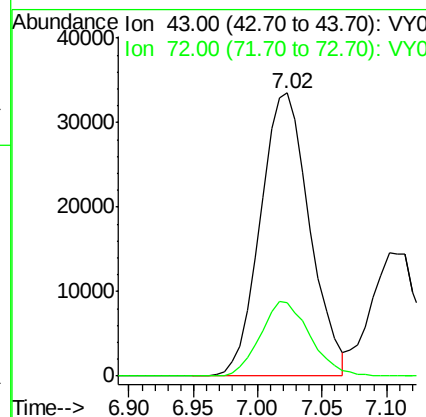
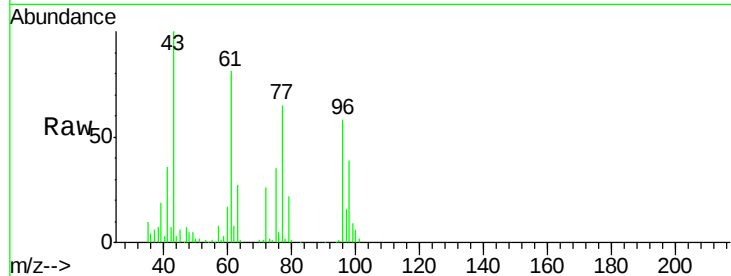
72 25.9 21.3 31.9

Manual Integrations

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MMDadoda

2/19/2020 10:49:55 AM



#26

2,2-Dichloropropane

Concen: 20.753 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001637.D

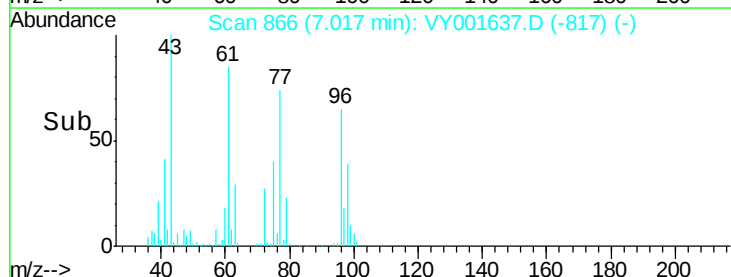
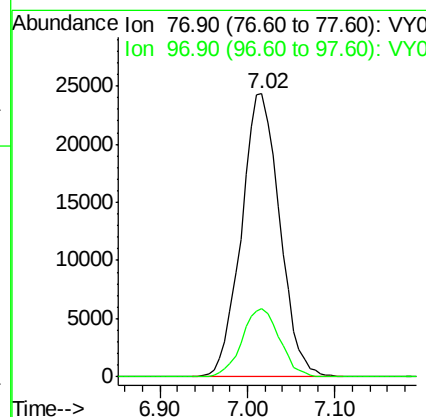
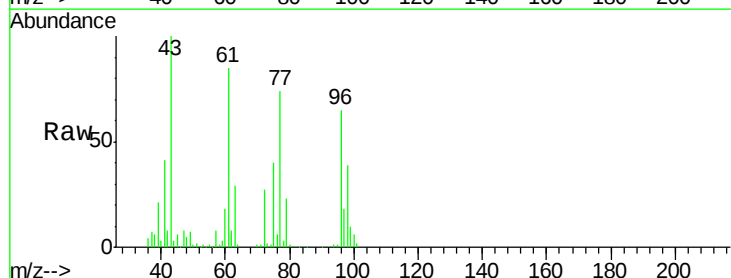
Acq: 17 Feb 2020 10:46

Tgt Ion: 77 Resp: 74164

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





#27

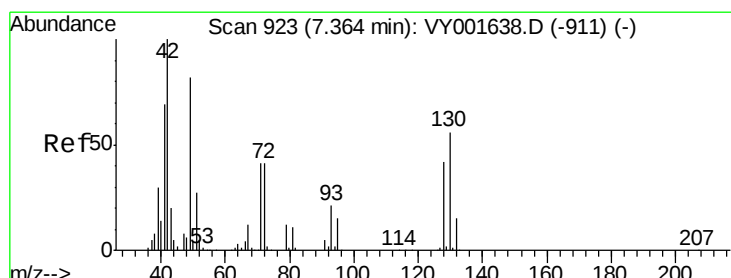
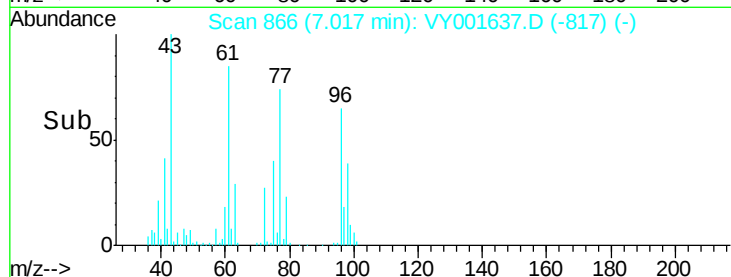
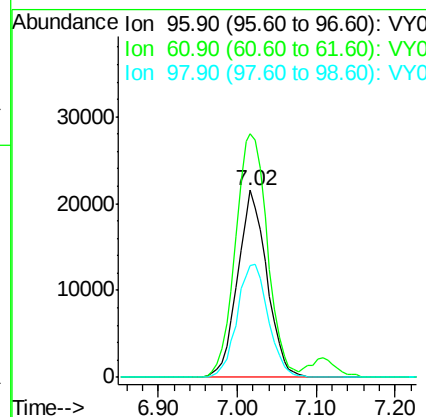
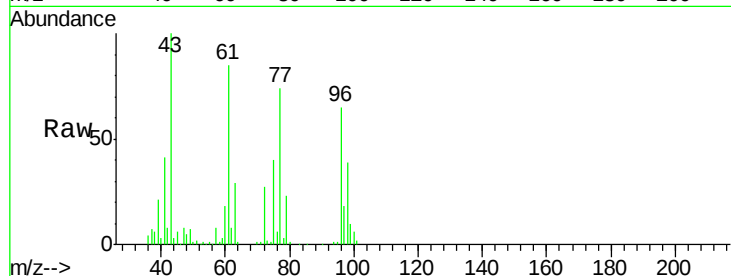
cis-1,2-Dichloroethene
Concen: 22.214 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	291.4
98	63.9	0.0	128.6

Manual Integrations
APPROVED

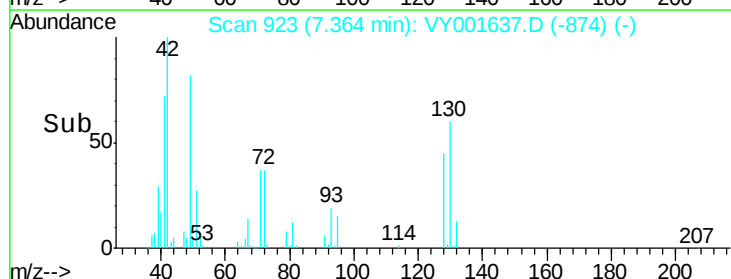
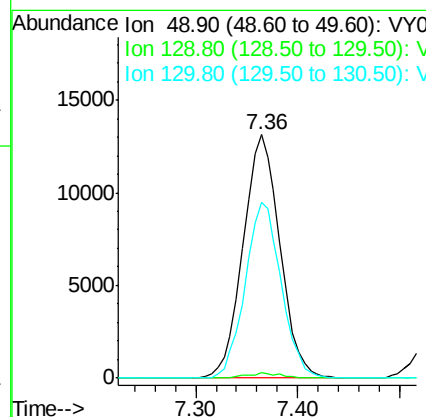
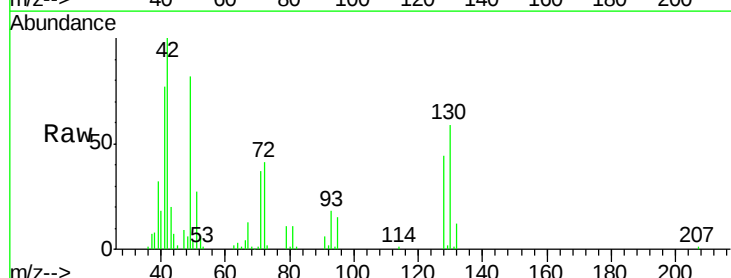
MMDadoda
2/19/2020 10:49:55 AM

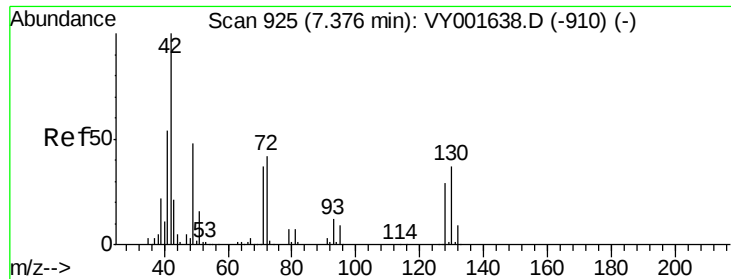


#28

Bromochloromethane
Concen: 24.593 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.4	56.4	84.6





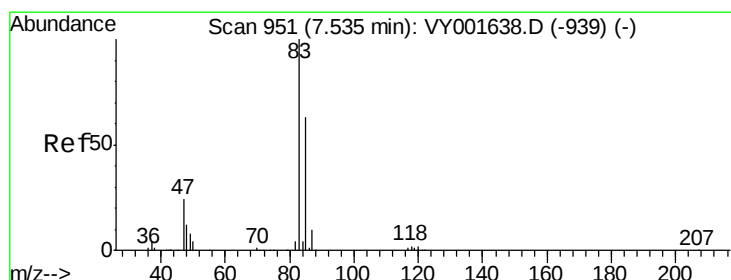
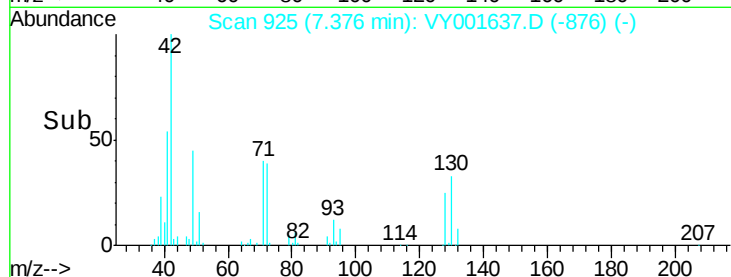
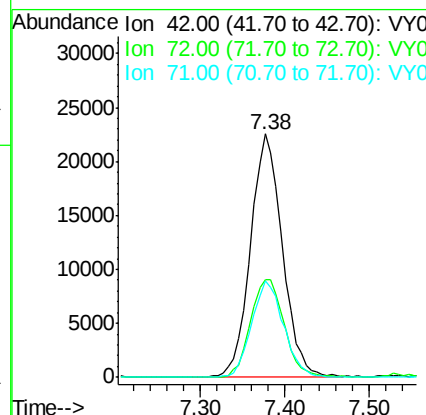
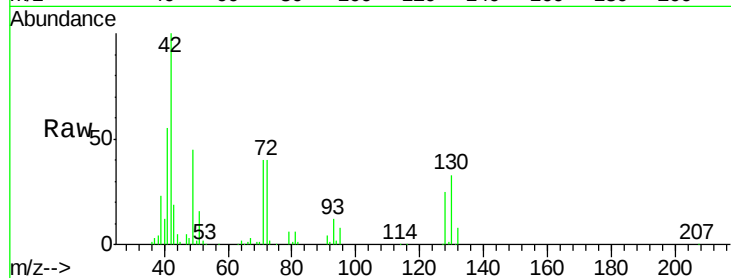
#29
Tetrahydrofuran
Concen: 122.295 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.2	49.8
71	39.7	31.0	46.6

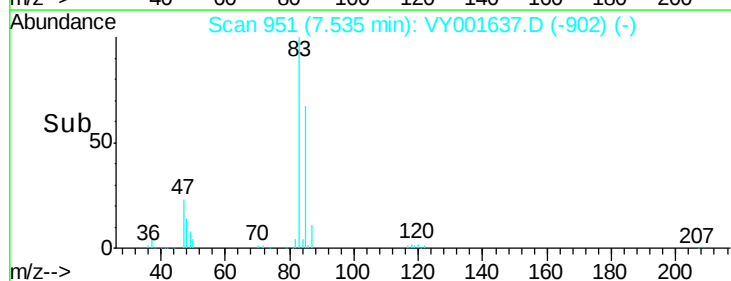
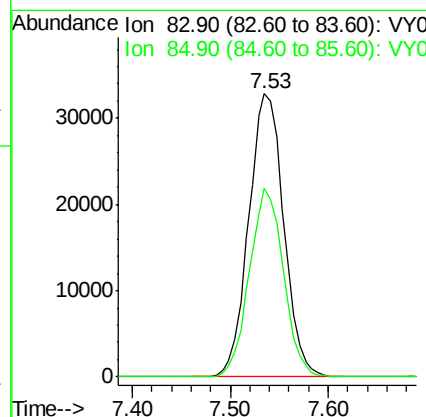
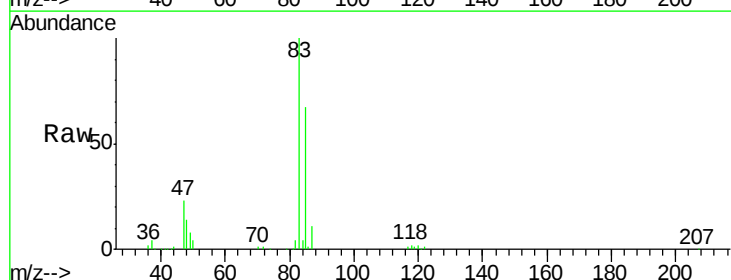
Manual Integrations
APPROVED

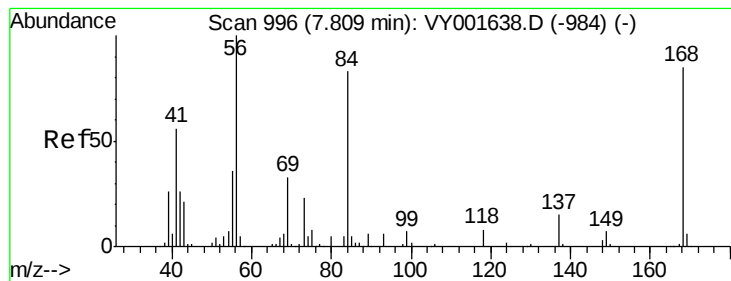
MMDadoda
2/19/2020 10:49:55 AM



#30
Chloroform
Concen: 21.519 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.2	75.4





#31

Cyclohexane

Concen: 22.653 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

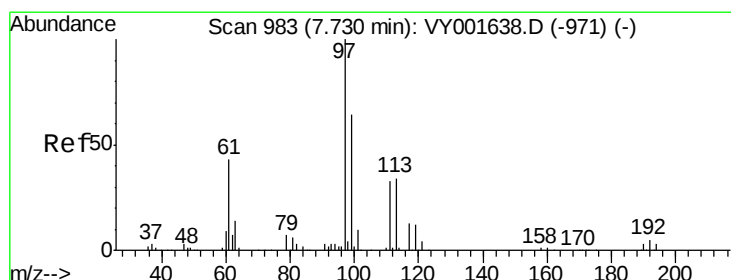
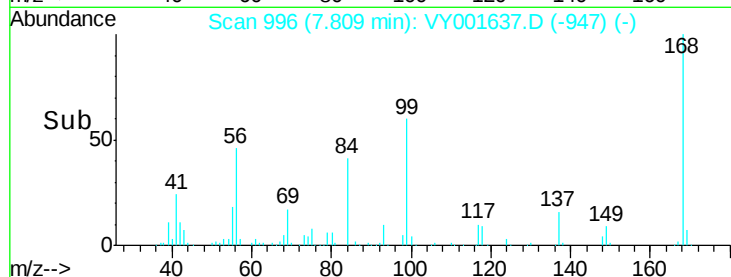
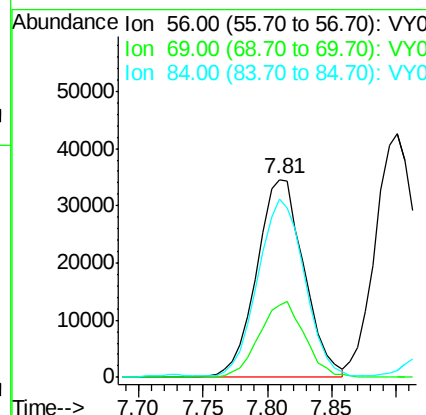
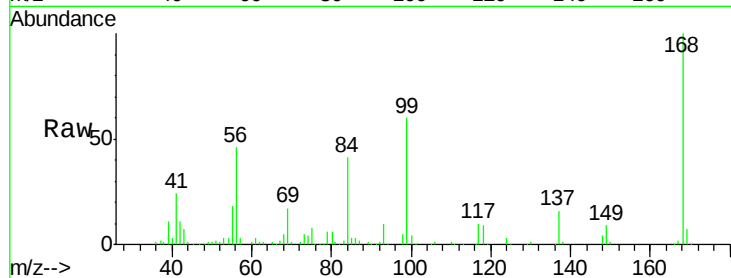
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	88276
Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.3	39.5
84	89.3	66.6	99.8

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:55 AM



#32

1,1,1-Trichloroethane

Concen: 20.528 ug/l

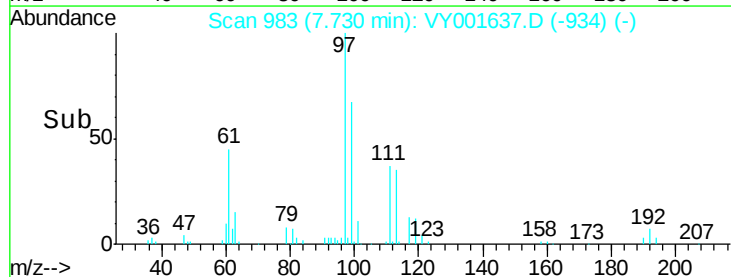
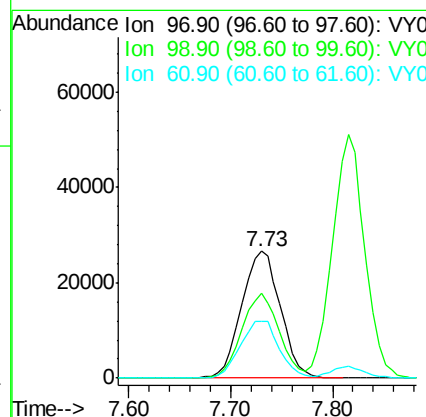
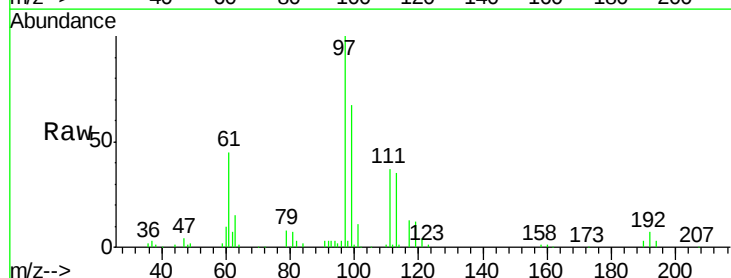
RT: 7.73 min Scan# 983

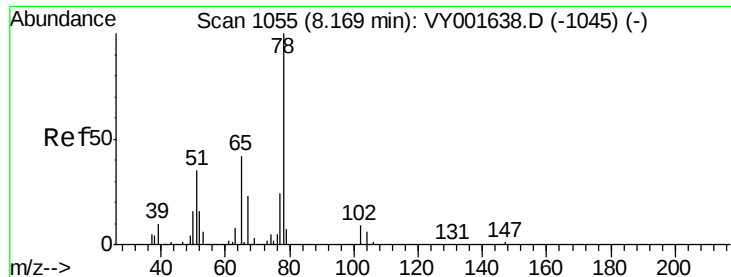
Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion:	97	Resp:	69994
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	45.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 19.620 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 38921

Ion Ratio Lower Upper

65 100

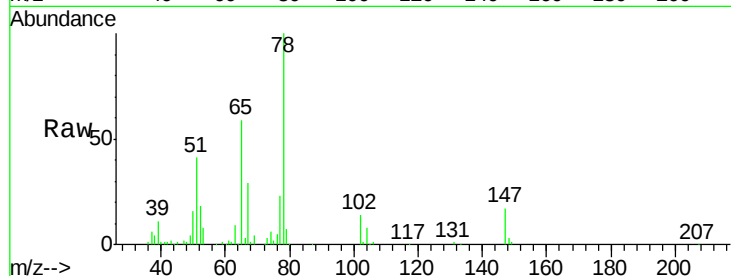
67 56.4 0.0 109.8

Manual Integrations

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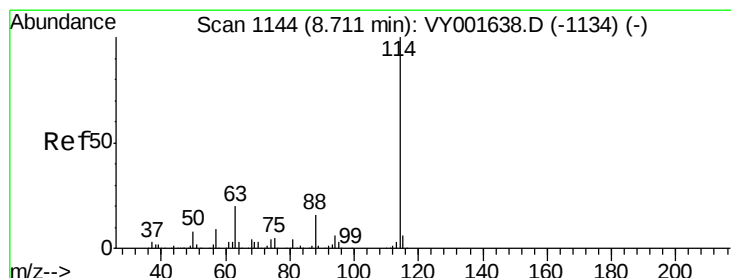
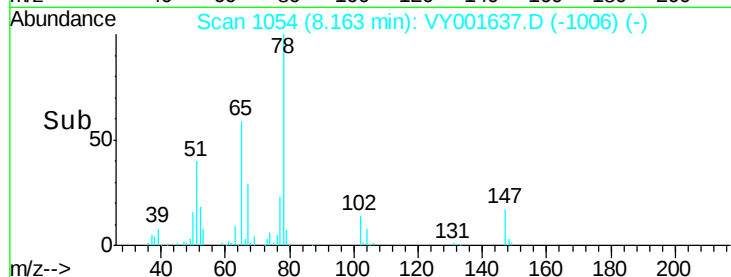
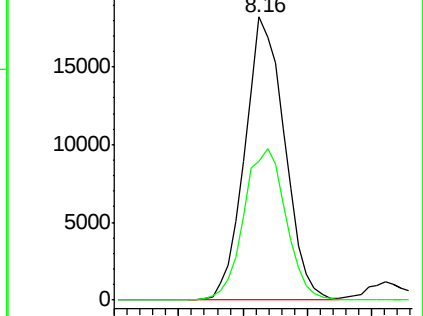
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

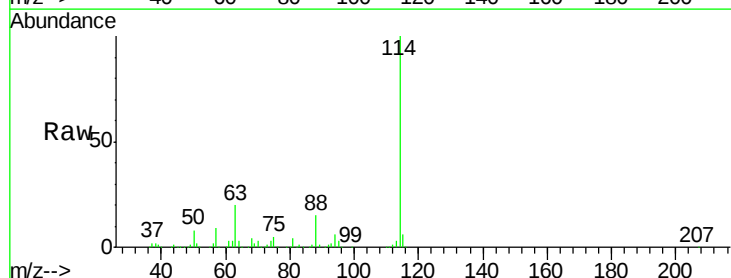
Tgt Ion: 114 Resp: 342366

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

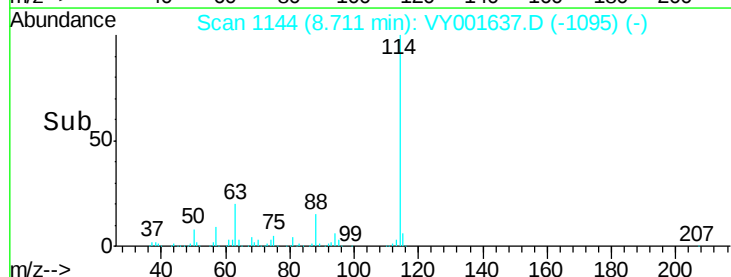
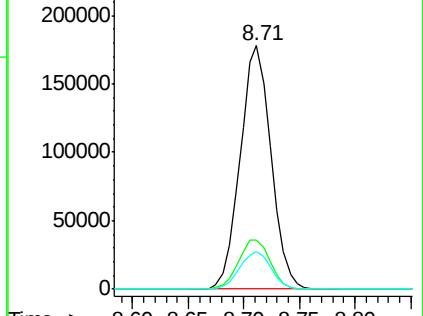
88 15.4 0.0 32.2

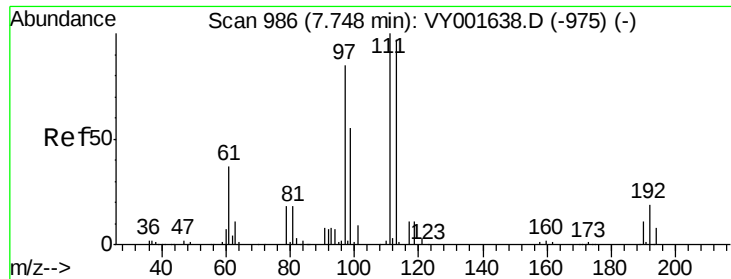


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





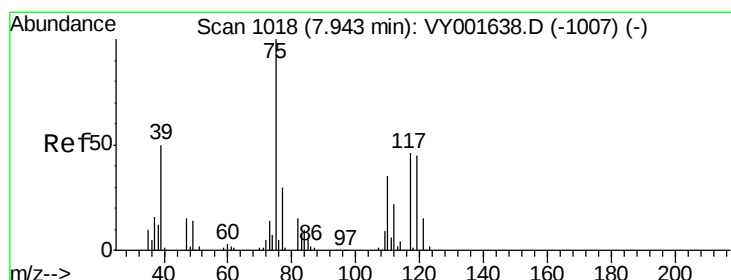
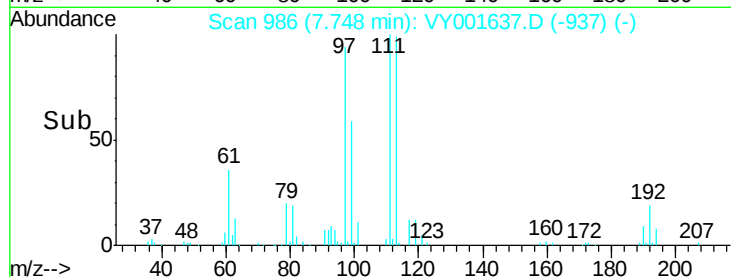
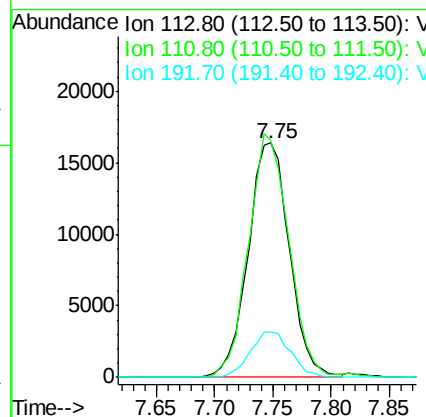
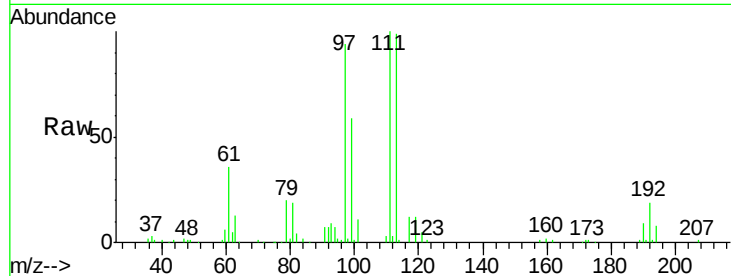
#35
 Dibromofluoromethane
 Concen: 20.492 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	40295		
111	101.4		83.4	125.0
192	19.0		15.2	22.8

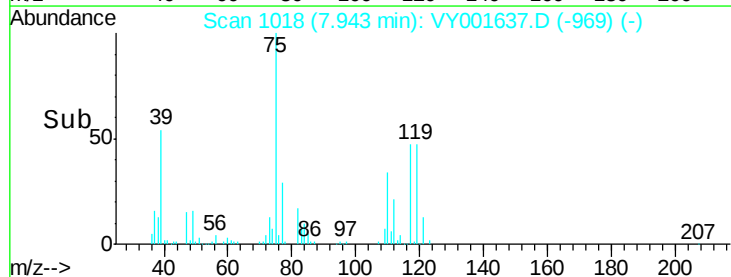
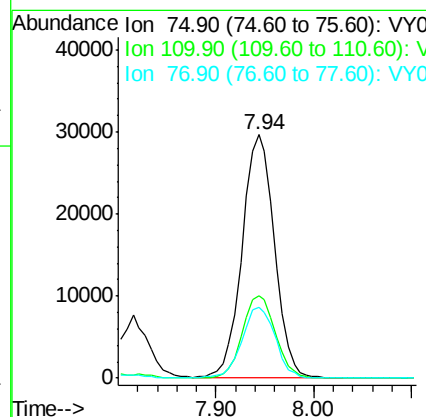
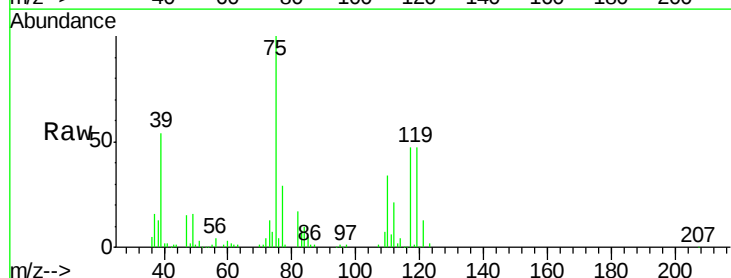
Manual Integrations
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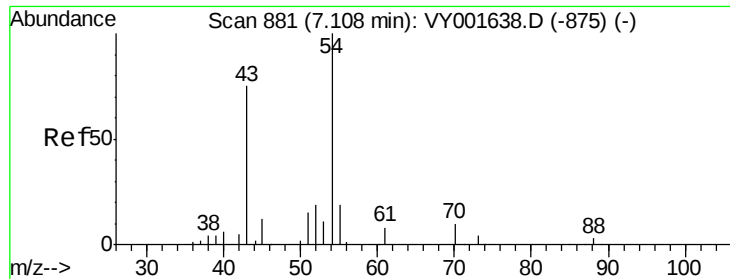
MMDadoda
 2/19/2020 10:49:55 AM



#36
 1,1-Dichloropropene
 Concen: 21.634 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68109		
110	34.3		17.6	52.8
77	30.1		24.4	36.6





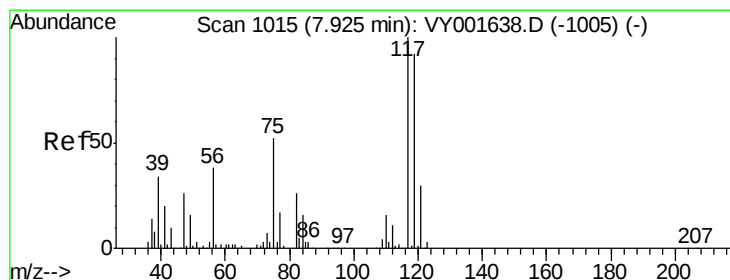
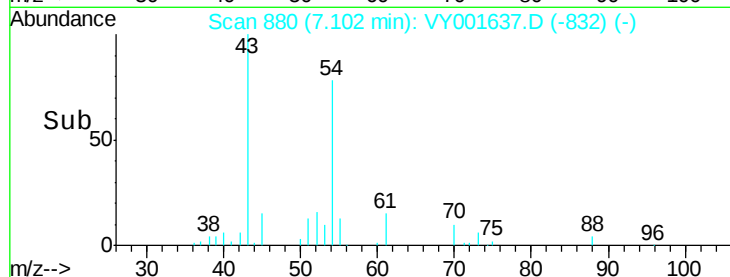
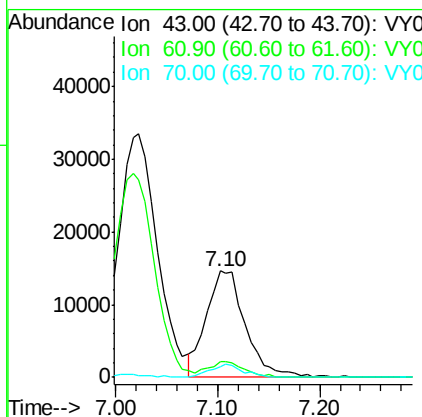
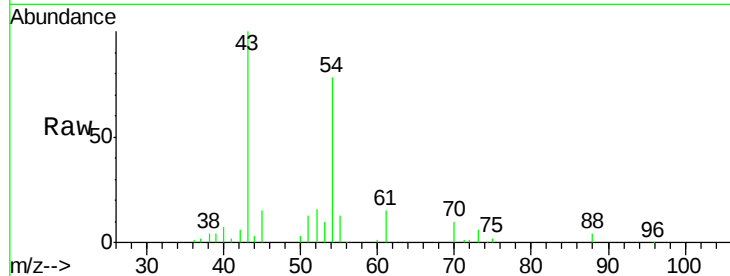
#37
Ethyl Acetate
Concen: 24.296 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	10.2	8.6	12.8

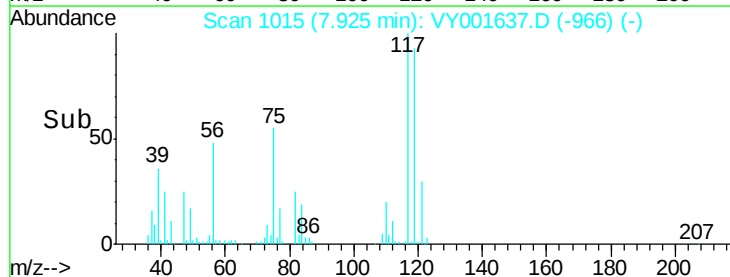
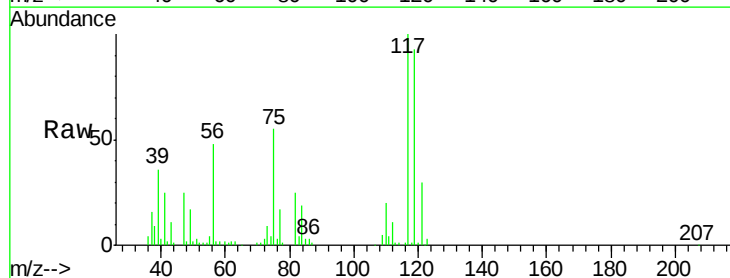
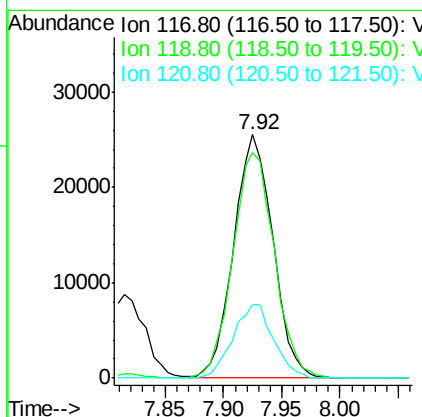
Manual Integrations
APPROVED

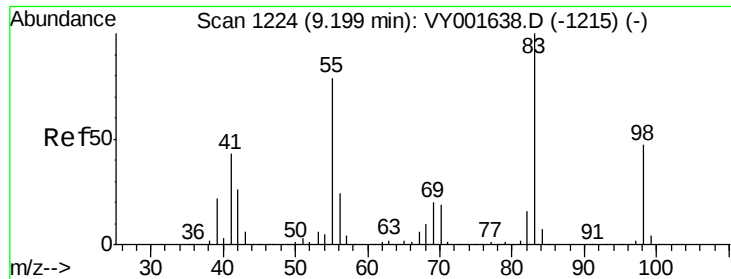
MMDadoda
2/19/2020 10:49:55 AM



#38
Carbon Tetrachloride
Concen: 20.019 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.0
121	30.1	23.7	35.5





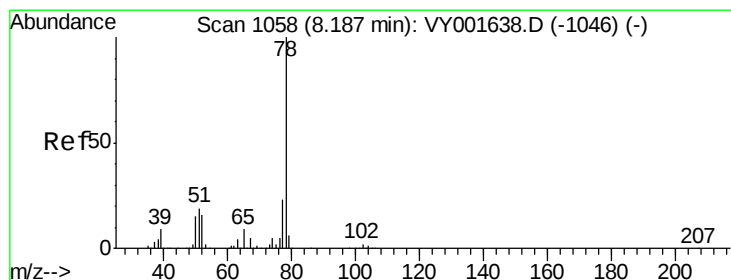
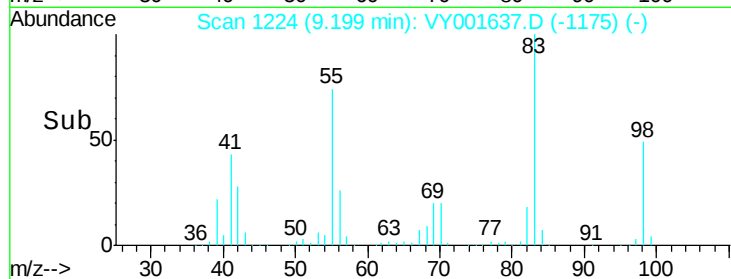
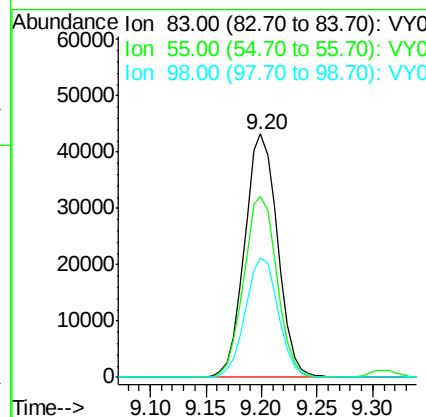
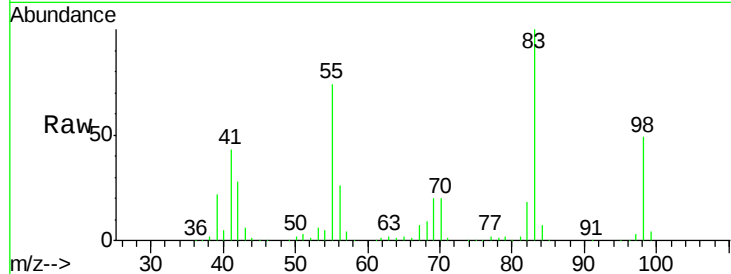
#39
Methvlcvclohexane
Concen: 21.473 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	63.3	94.9
98	49.0	37.9	56.9

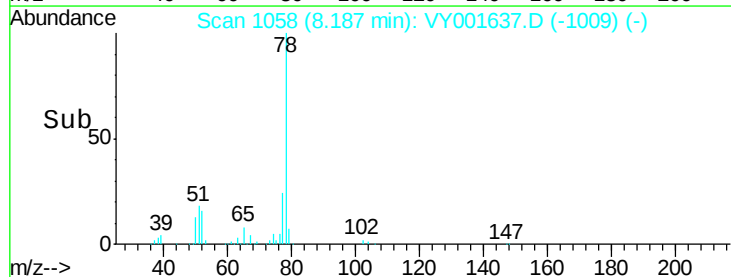
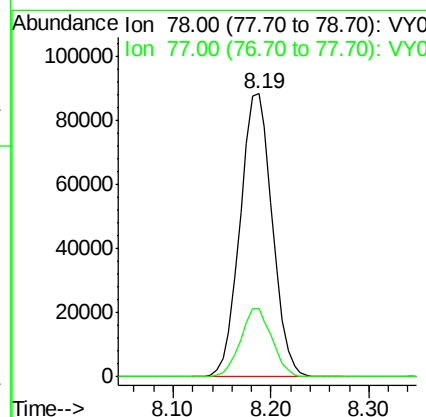
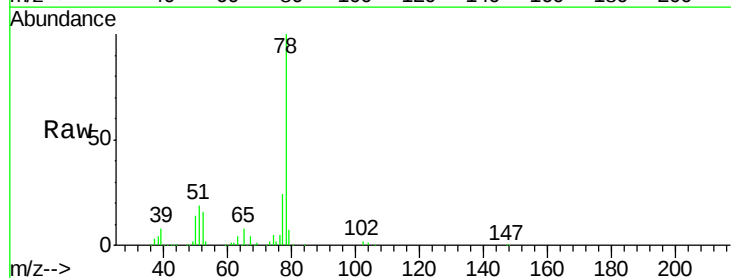
Manual Integrations
APPROVED

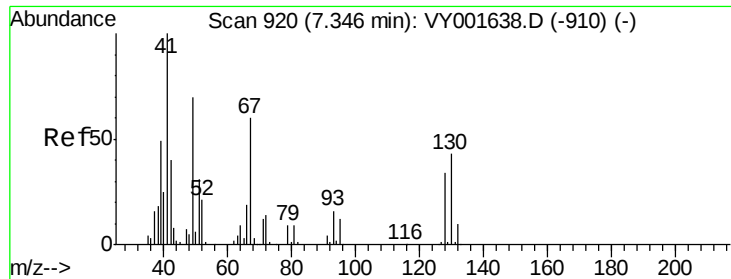
MMDadoda
2/19/2020 10:49:55 AM



#40
Benzene
Concen: 22.320 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





#41

Methacrylonitrile

Concen: 28.452 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 20395

Ion Ratio Lower Upper

41 100

39 0.0 114.2 171.4#

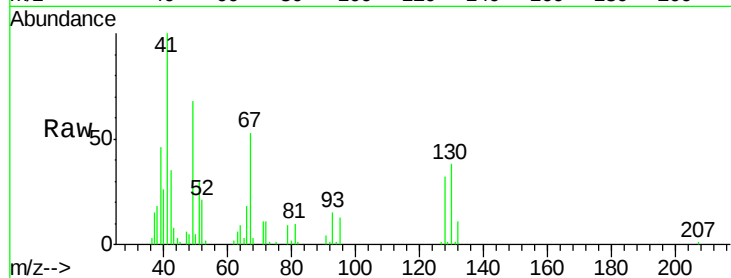
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/19/2020 10:49:55 AM

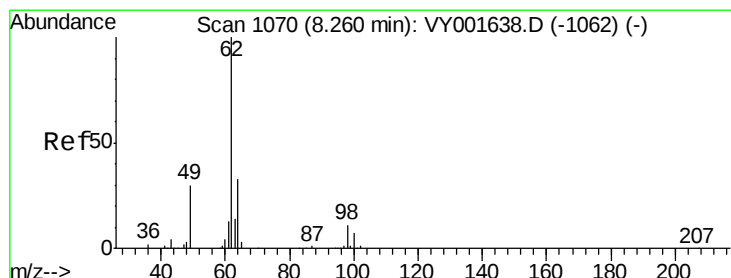
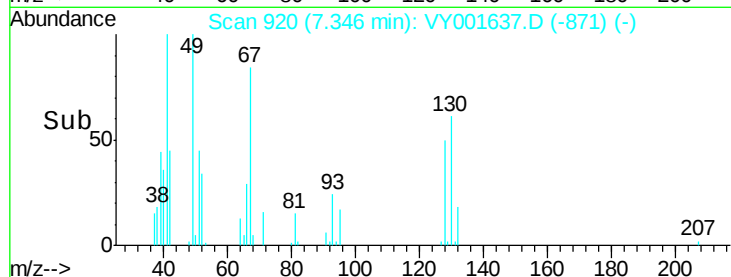
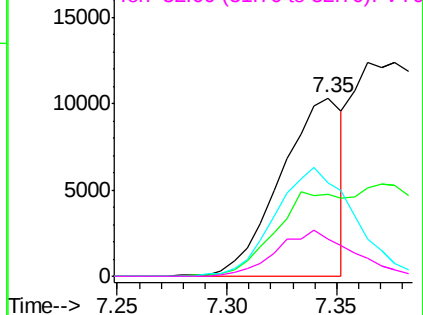


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.921 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY001637.D

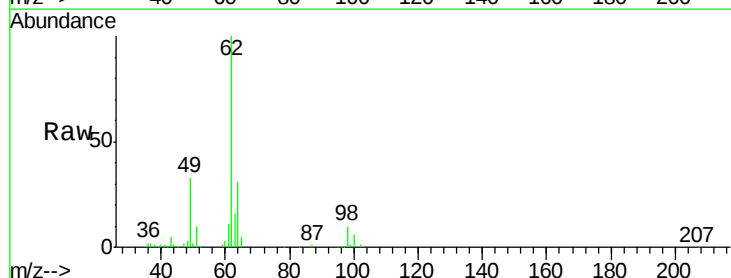
Acq: 17 Feb 2020 10:46

Tgt Ion: 62 Resp: 55226

Ion Ratio Lower Upper

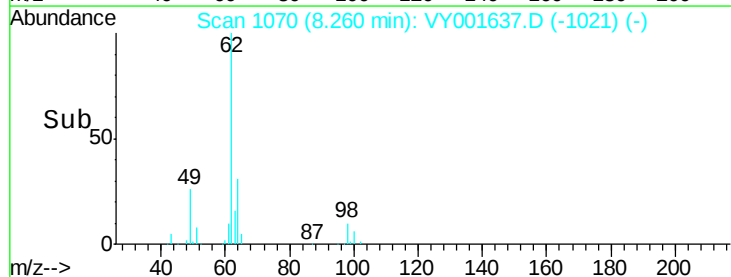
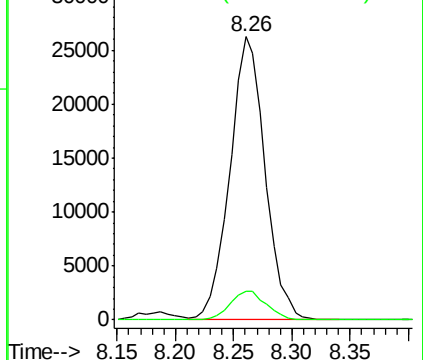
62 100

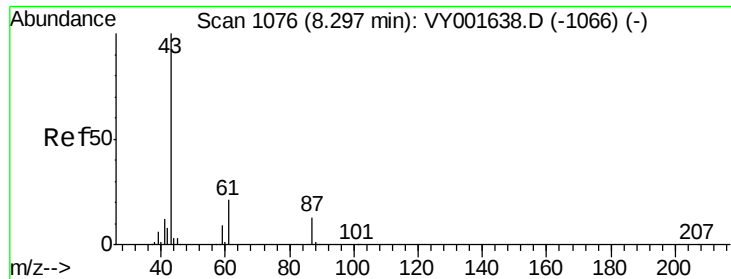
98 10.4 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





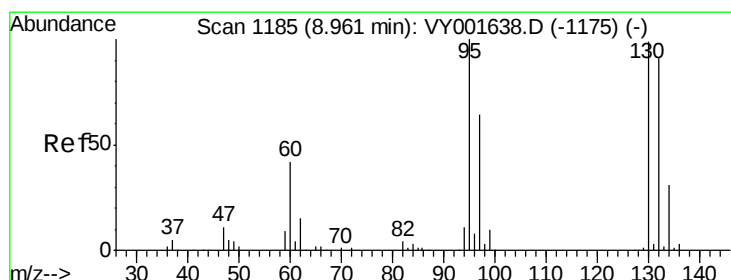
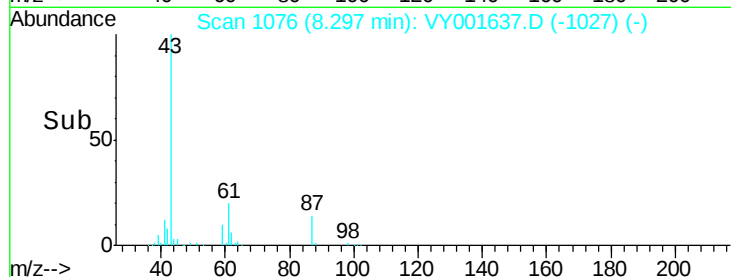
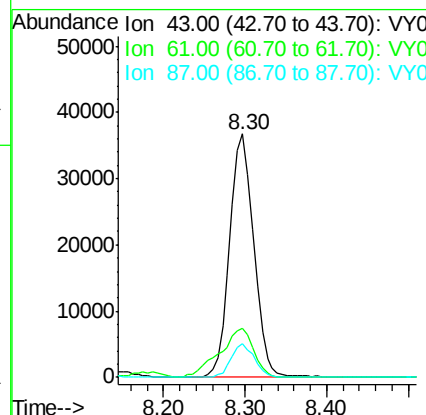
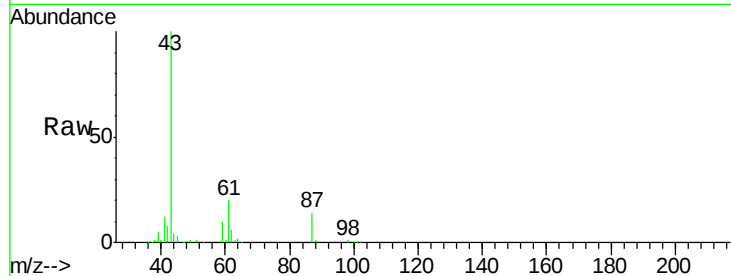
#43
Isopropyl Acetate
Concen: 23.829 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	13.1	10.4	15.6

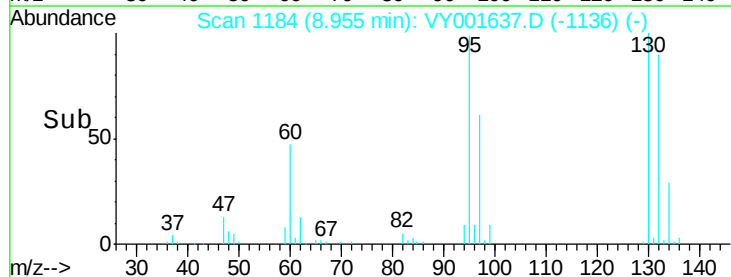
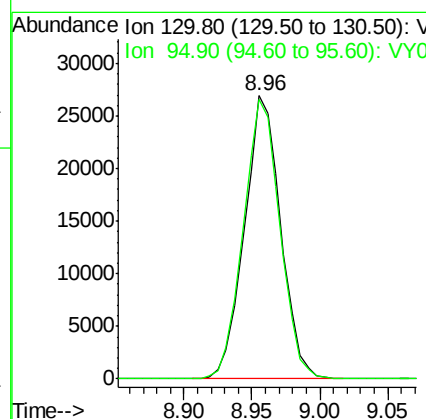
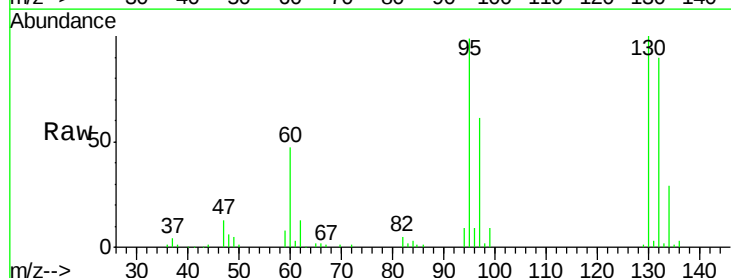
Manual Integrations
APPROVED

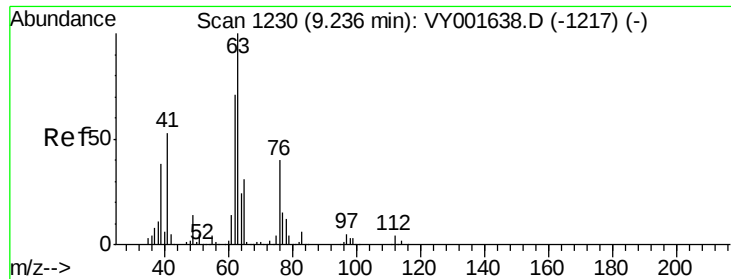
MMDadoda
2/19/2020 10:49:55 AM



#44
Trichloroethene
Concen: 20.827 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	203.0





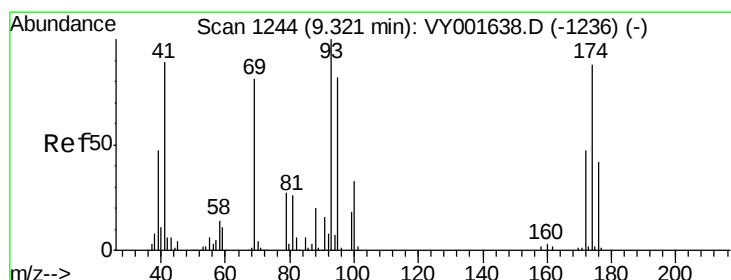
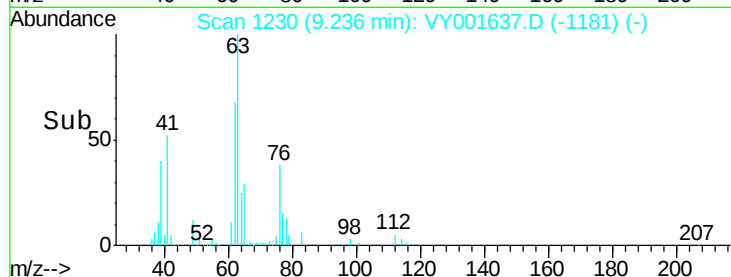
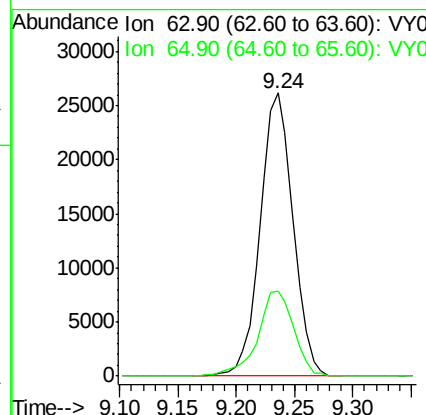
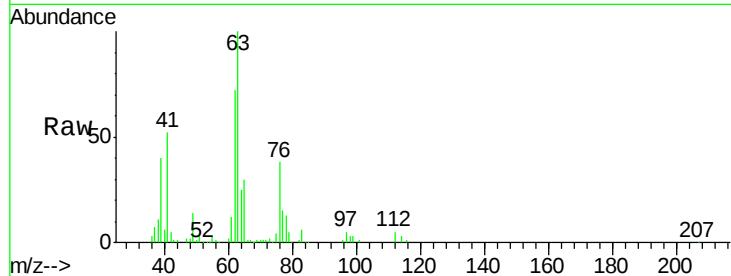
#45
 1,2-Dichloropropane
 Concen: 23.290 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 51158
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

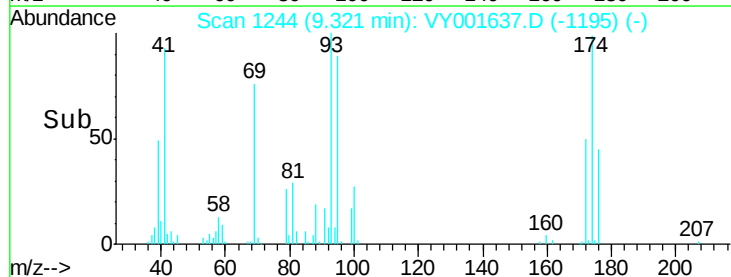
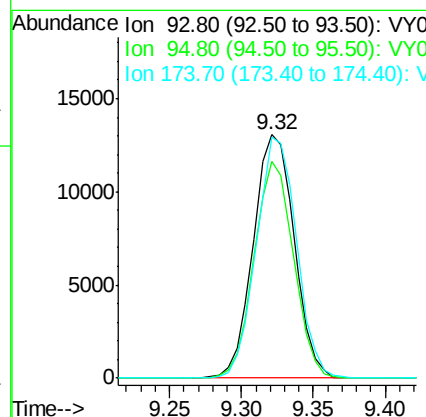
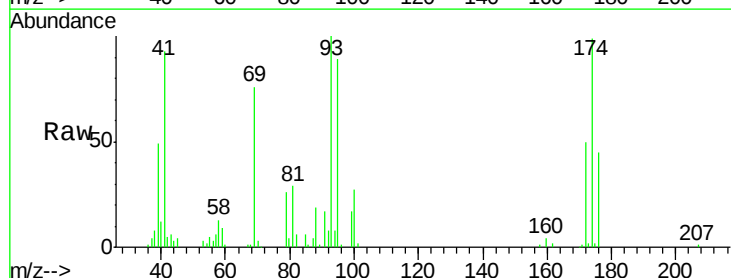
Manual Integrations
 APPROVED

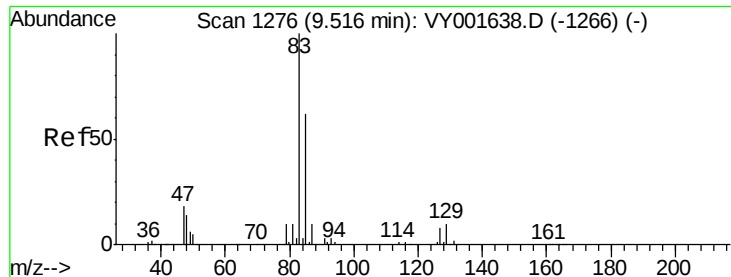
MMDadoda
 2/19/2020 10:49:55 AM



#46
 Dibromomethane
 Concen: 20.990 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Tgt Ion: 93 Resp: 25671
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.3 100.9
 174 97.1 74.1 111.1





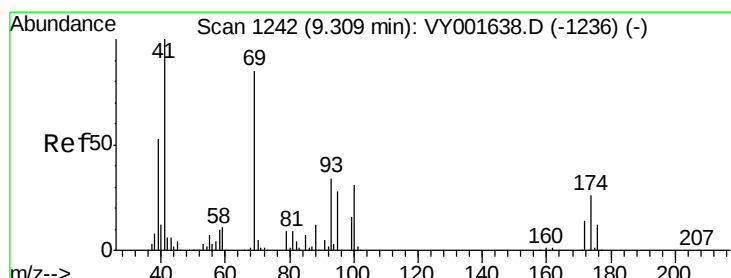
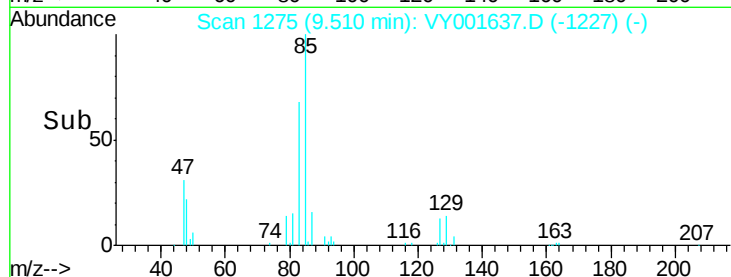
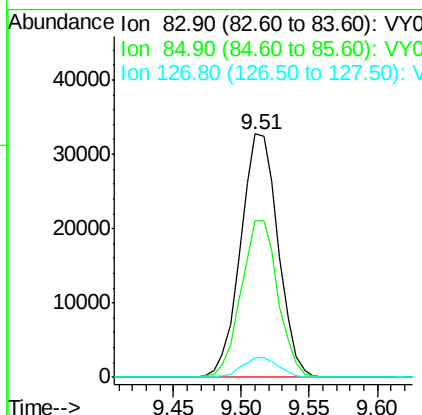
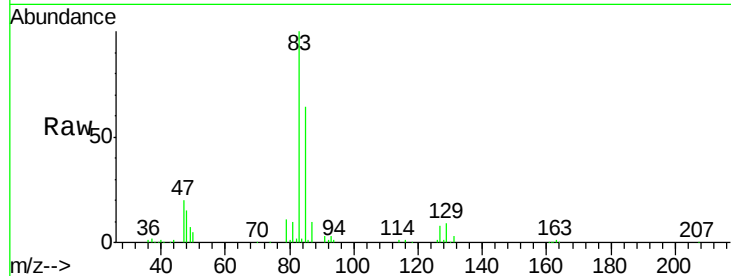
#47
Bromodichloromethane
Concen: 21.267 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	63078
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.0	75.0
127	8.2	6.3	9.5

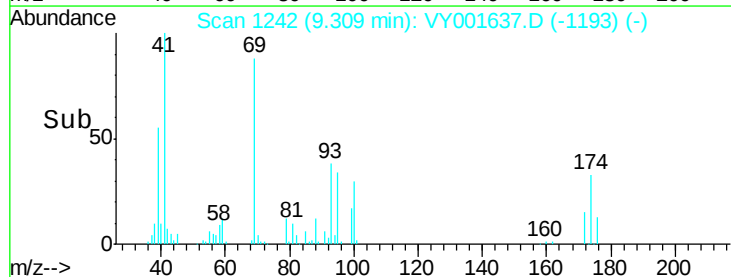
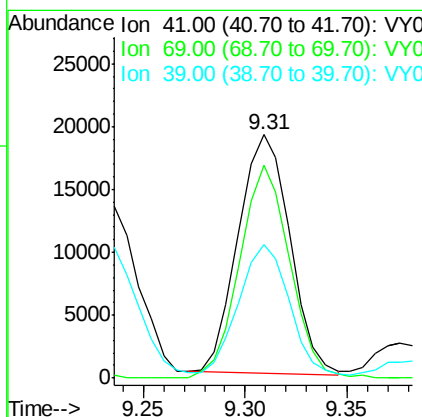
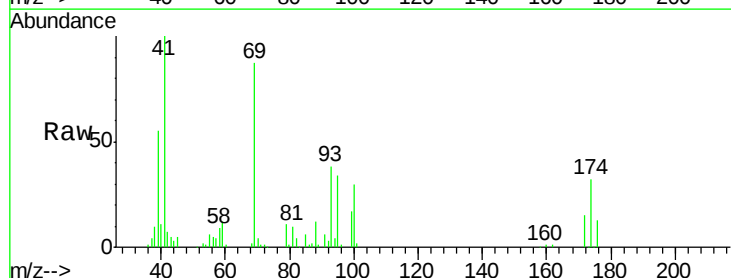
Manual Integrations
APPROVED

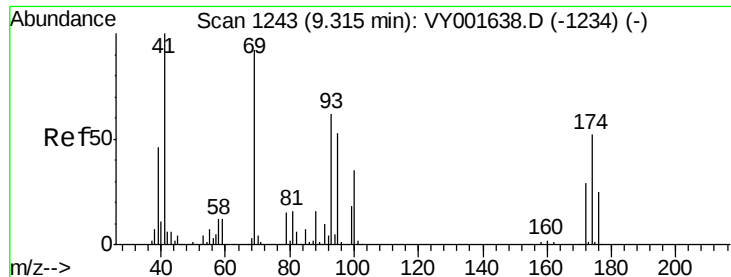
MMDadoda
2/19/2020 10:49:55 AM



#48
Methyl methacrylate
Concen: 23.361 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	41	Resp	33411
Ion Ratio	100	Lower	Upper
41	100		
69	86.6	69.5	104.3
39	56.8	41.8	62.6





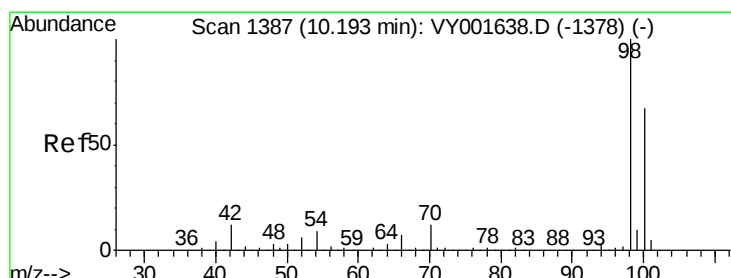
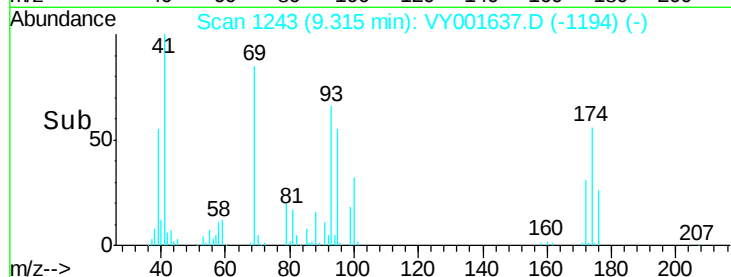
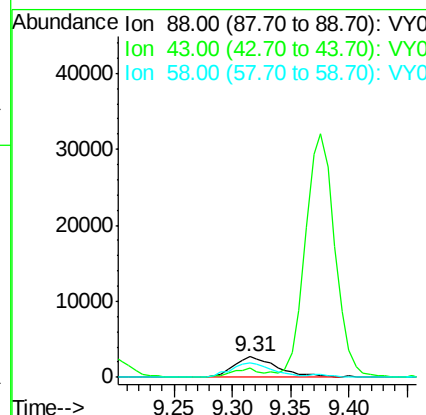
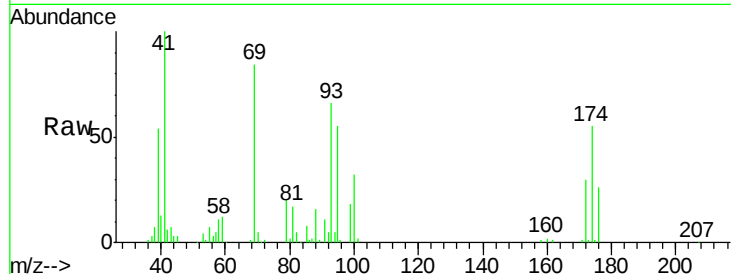
#49
1,4-Dioxane
Concen: 433.516 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.6	41.4#
58	66.6	60.4	90.6

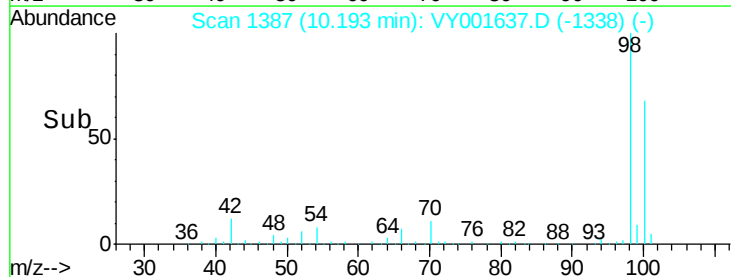
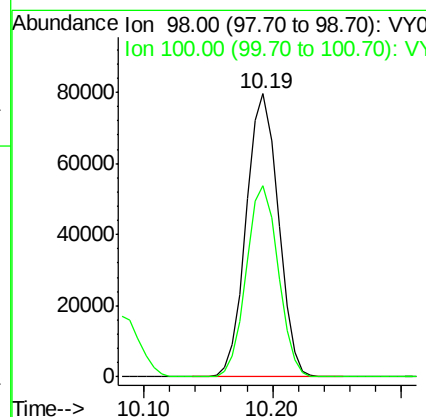
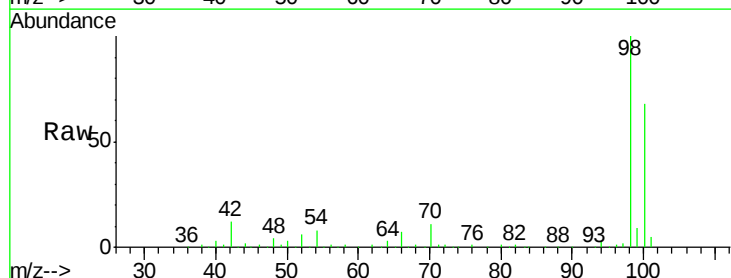
Manual Integrations
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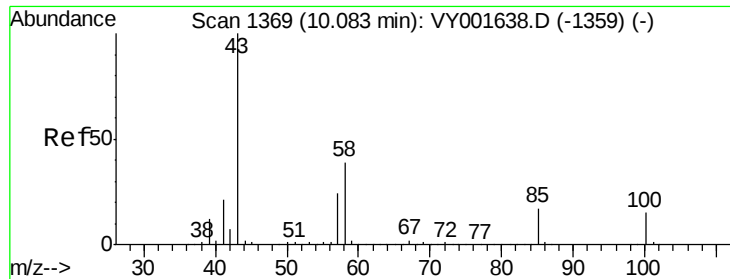
MMDadoda
2/19/2020 10:49:55 AM



#50
Toluene-d8
Concen: 18.327 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8





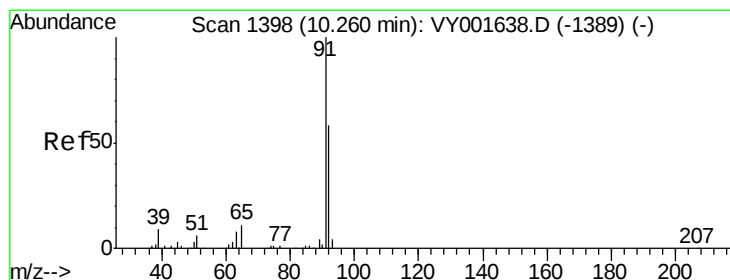
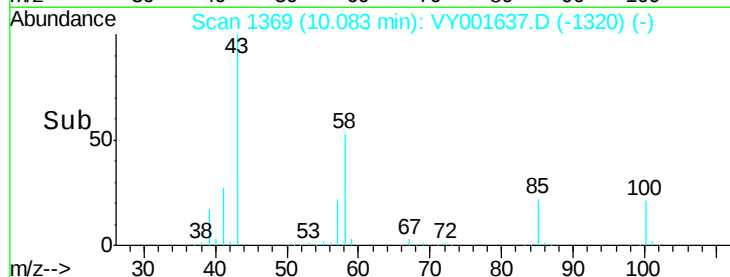
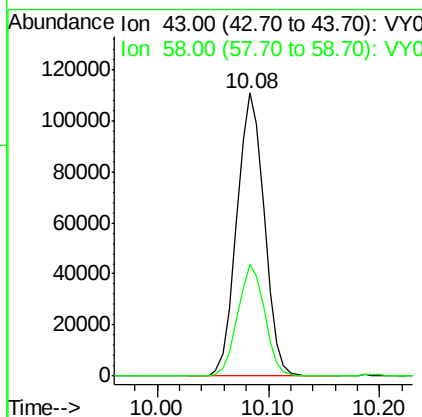
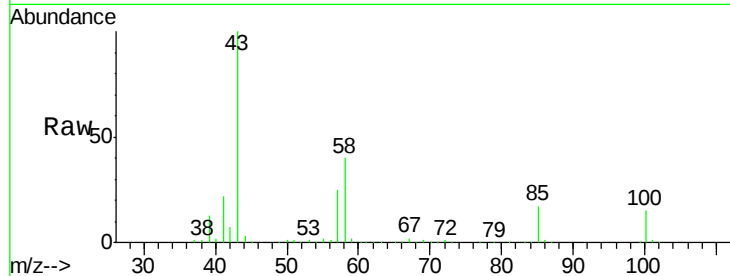
#51
4-Methyl-2-Pentanone
Concen: 120.038 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	58	Ratio	Lower	Upper
188818	100	38.7		31.4	47.2

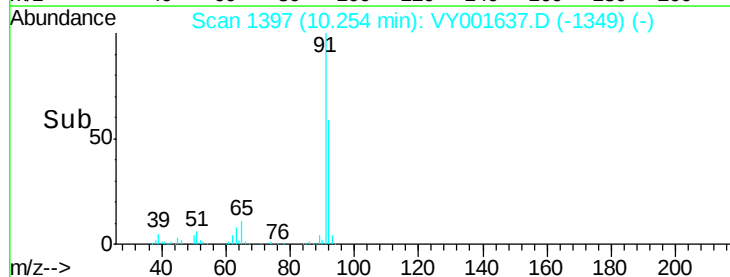
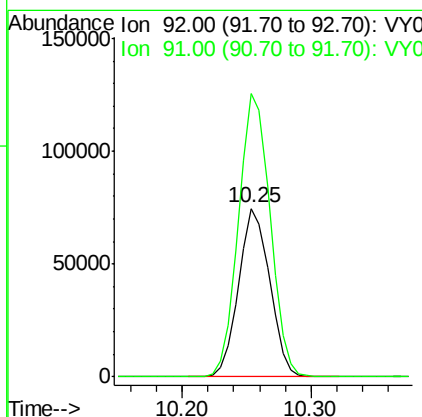
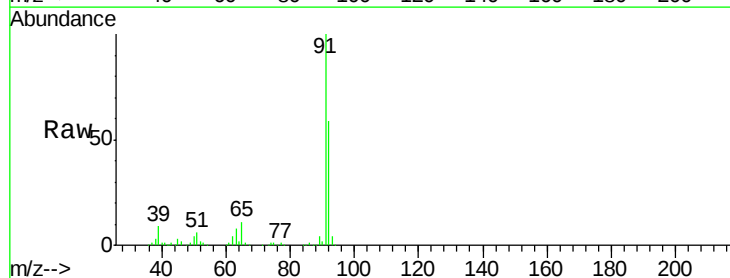
Manual Integrations
APPROVED

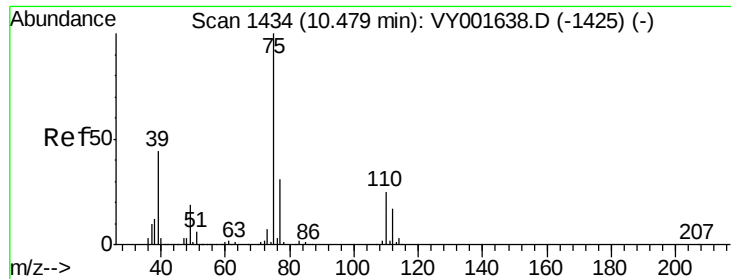
MMDadoda
2/19/2020 10:49:55 AM



#52
Toluene
Concen: 21.773 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	92	91	Ratio	Lower	Upper
124756	100	171.1		136.6	204.8





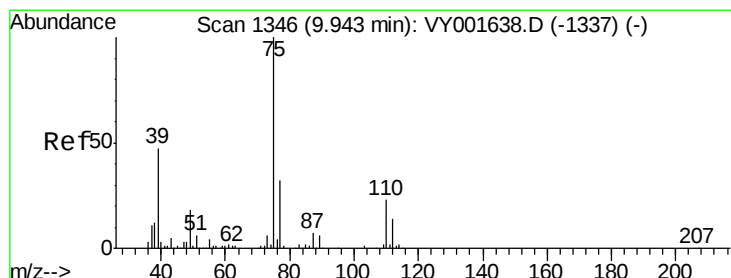
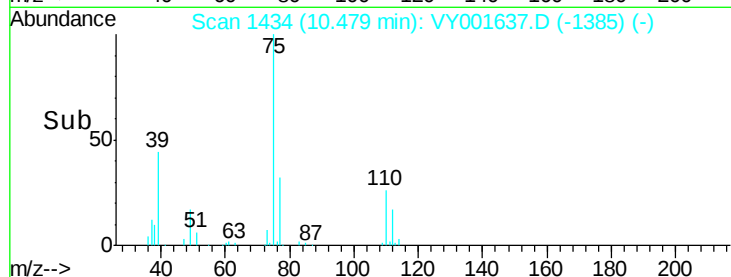
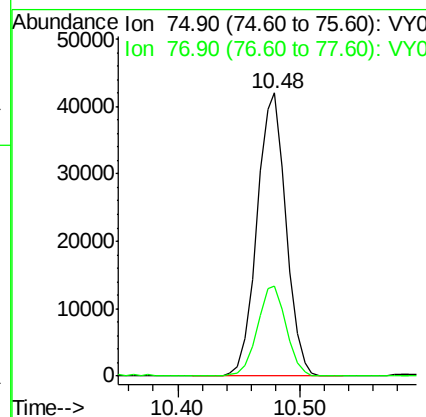
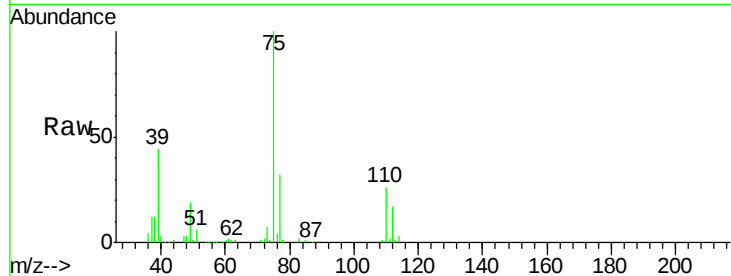
#53
t-1,3-Dichloropropene
Concen: 21.226 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 69215
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

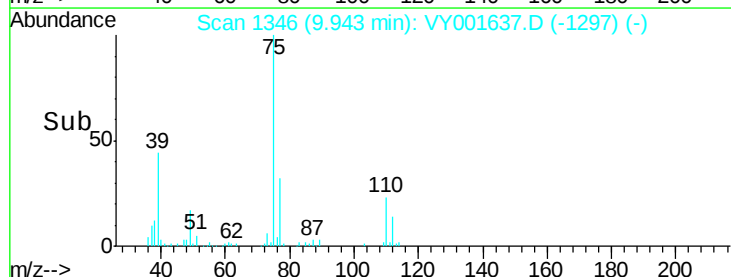
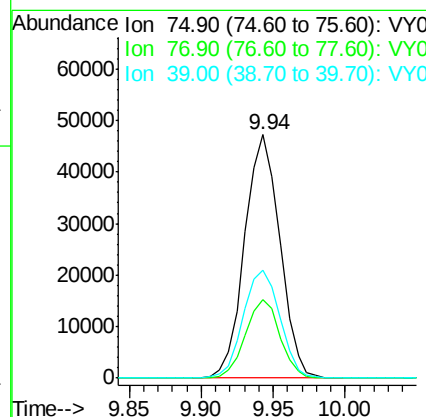
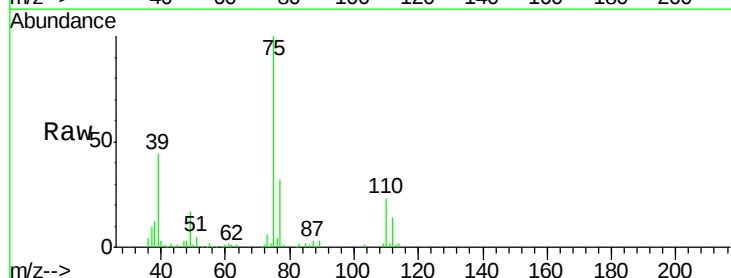
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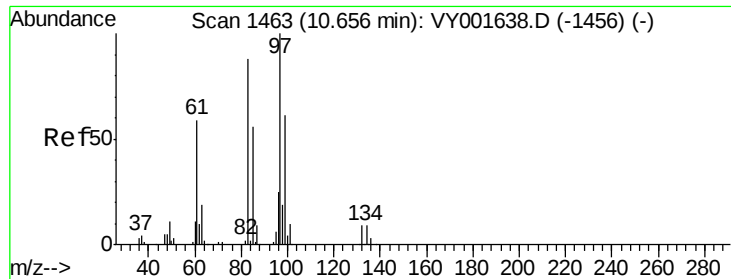
MMDadoda
2/19/2020 10:49:55 AM



#54
cis-1,3-Dichloropropene
Concen: 21.513 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion: 75 Resp: 80073
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9
39 44.1 37.3 55.9





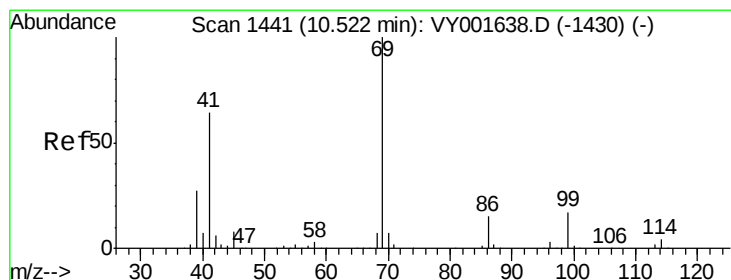
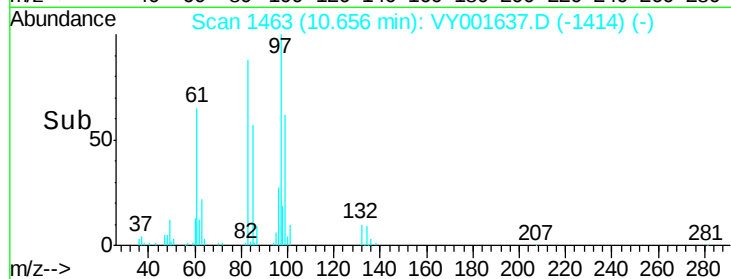
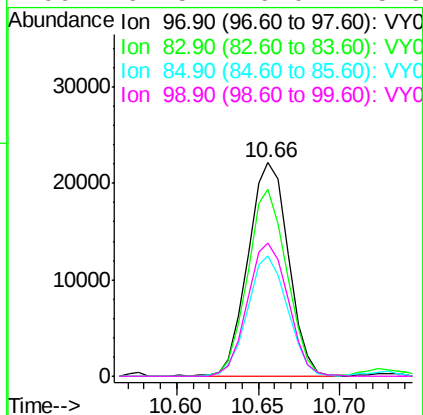
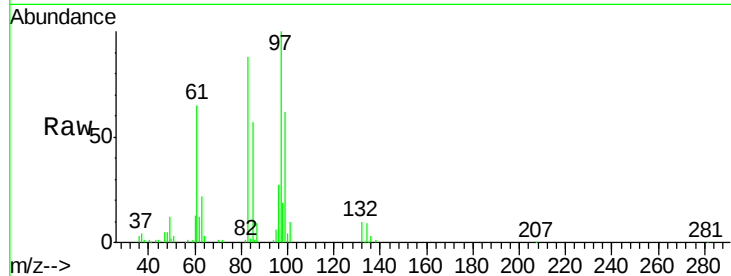
#55
 1,1,2-Trichloroethane
 Concen: 21.651 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38243		
83	87.7	70.3	105.5		
85	56.5	44.6	66.8		
99	62.5	49.0	73.6		

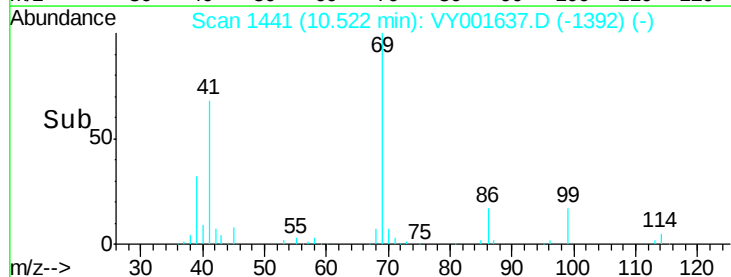
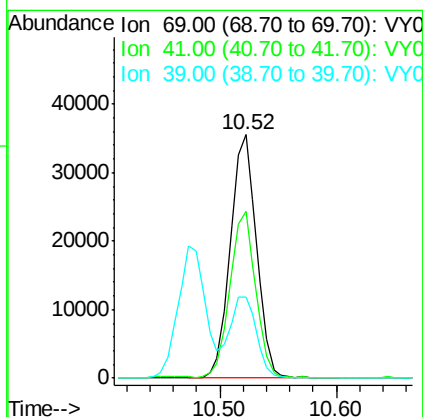
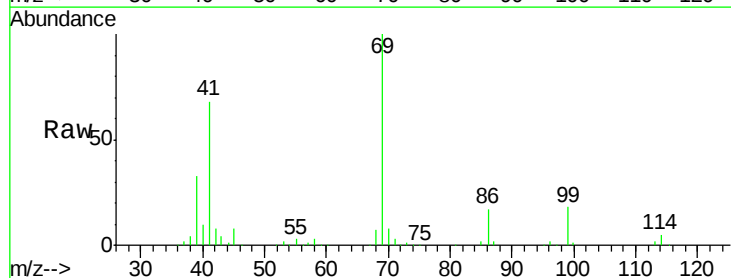
Manual Integrations
 APPROVED

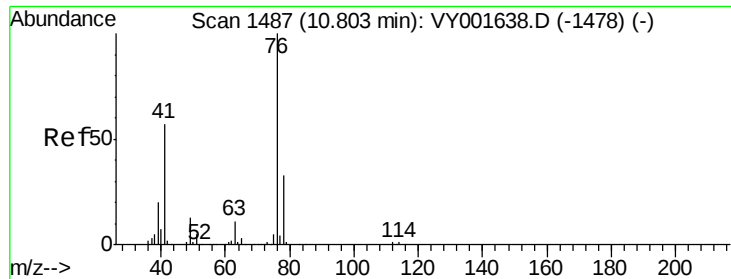
MMDadoda
 2/19/2020 10:49:55 AM



#56
 Ethyl methacrylate
 Concen: 21.817 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		55560		
41	68.1	51.9	77.9		
39	34.5	26.9	40.3		





#57

1,3-Dichloropropane

Concen: 21.714 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 67833

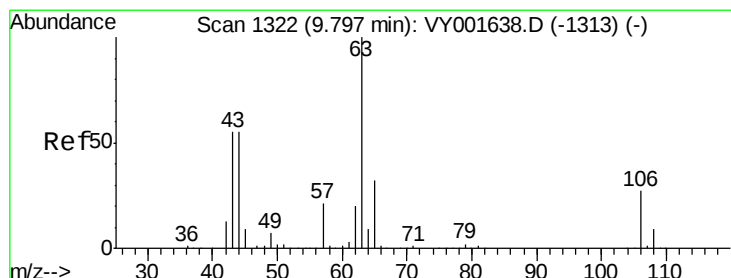
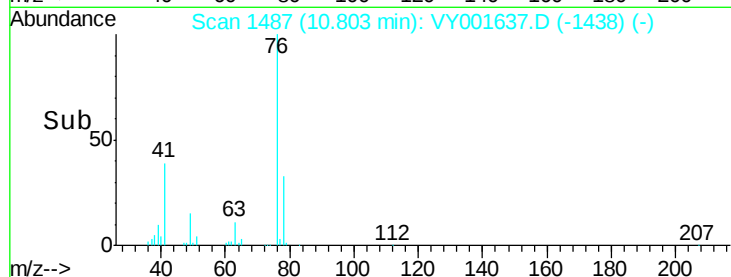
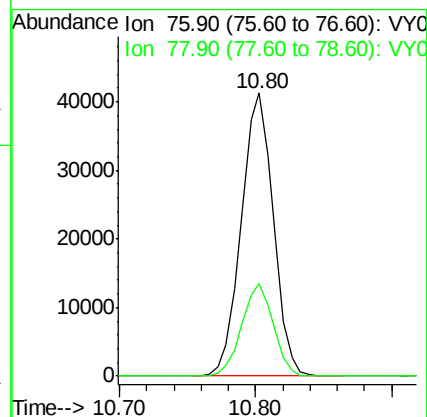
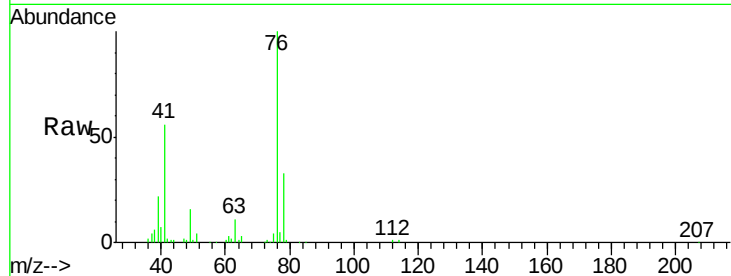
Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 148.639 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001637.D

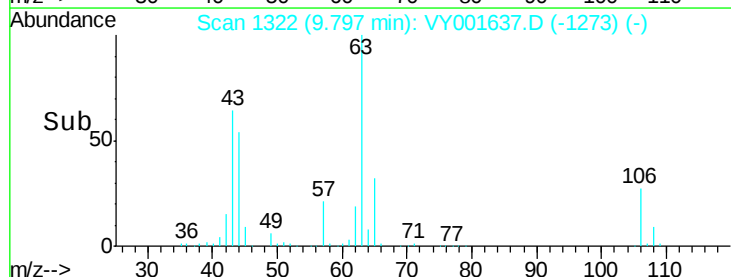
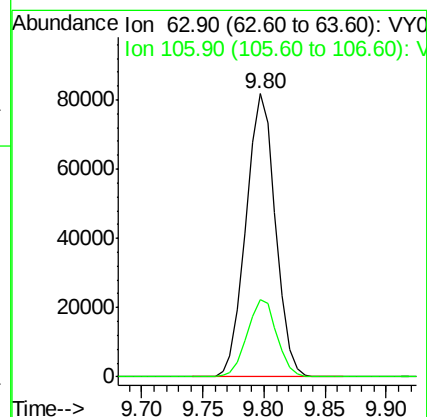
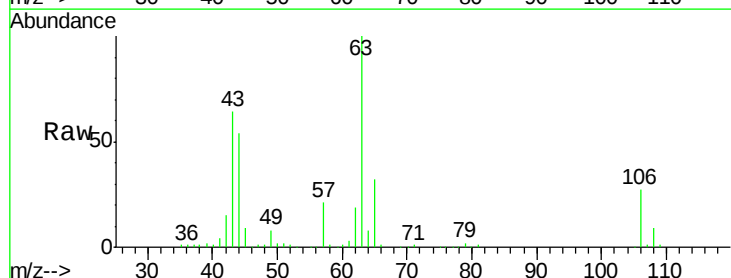
Acq: 17 Feb 2020 10:46

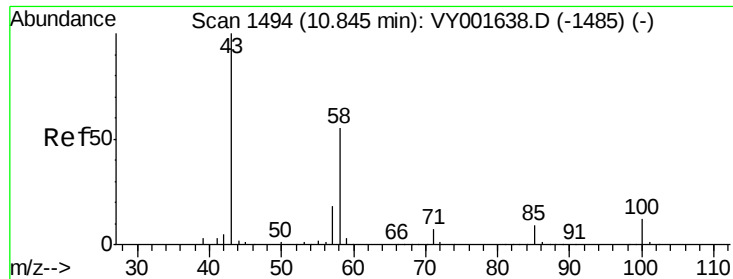
Tgt Ion: 63 Resp: 136880

Ion Ratio Lower Upper

63 100

106 27.5 21.5 32.3





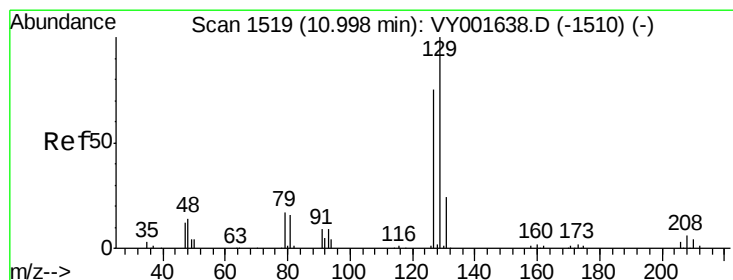
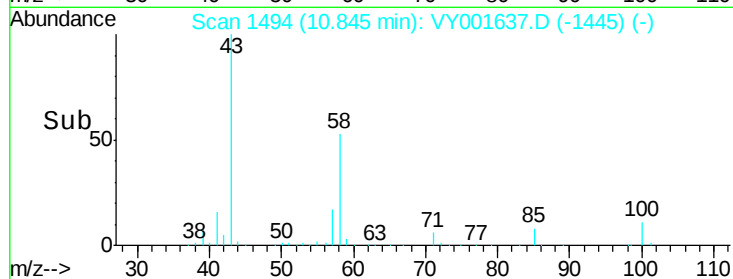
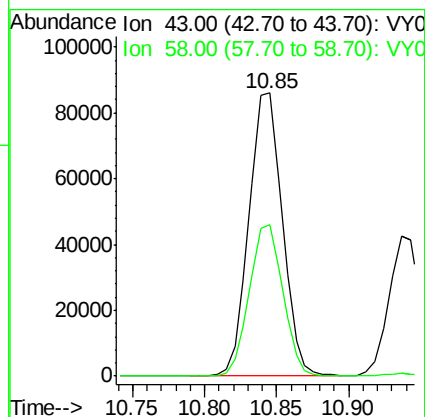
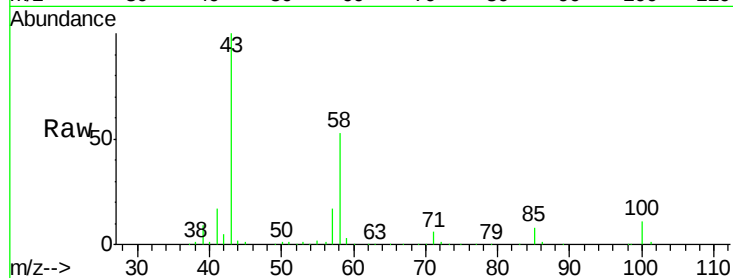
#59
2-Hexanone
Concen: 118.972 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 138133
Ion Ratio Lower Upper
43 100
58 53.6 27.8 83.3

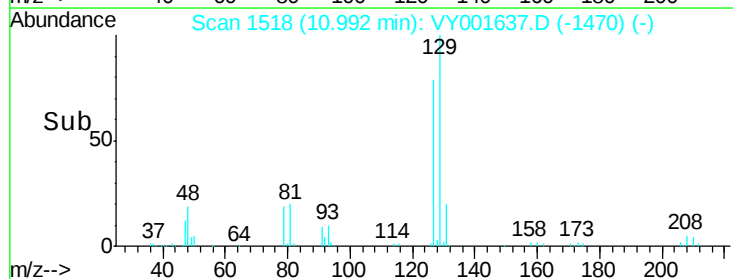
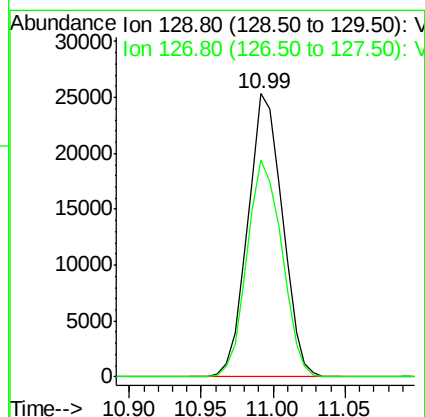
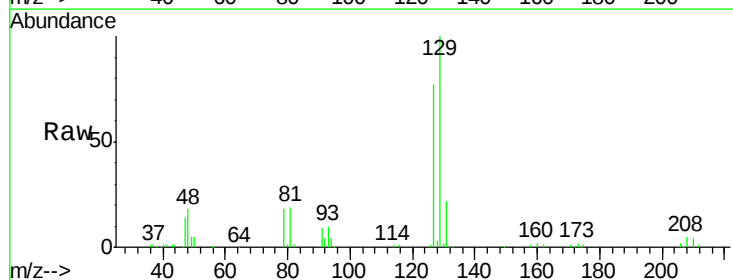
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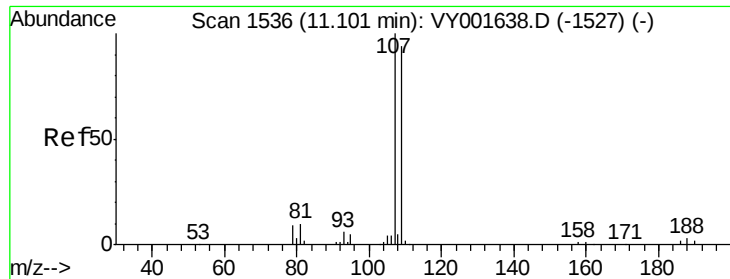
MMDadoda
2/19/2020 10:49:55 AM



#60
Dibromochloromethane
Concen: 20.506 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion: 129 Resp: 42222
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





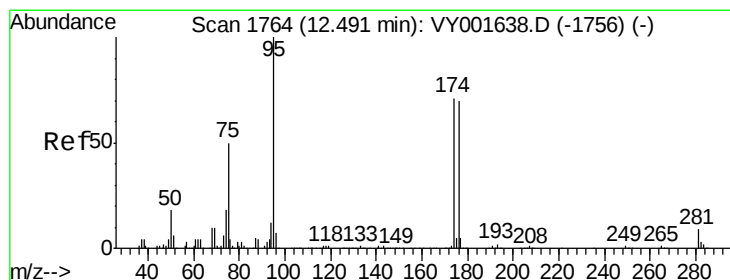
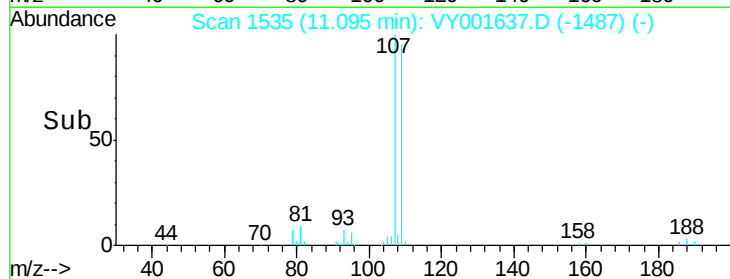
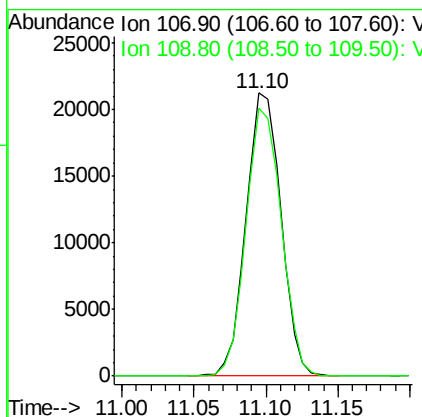
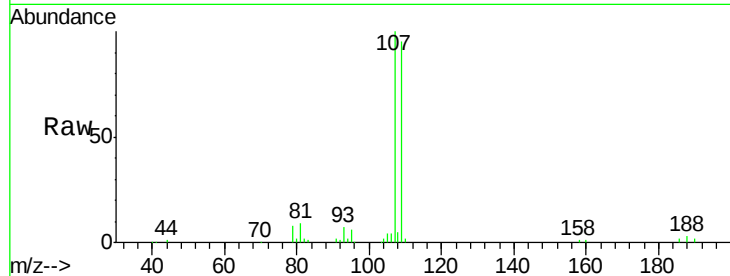
#61
 1,2-Dibromoethane
 Concen: 20.594 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 35624
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.0 114.0

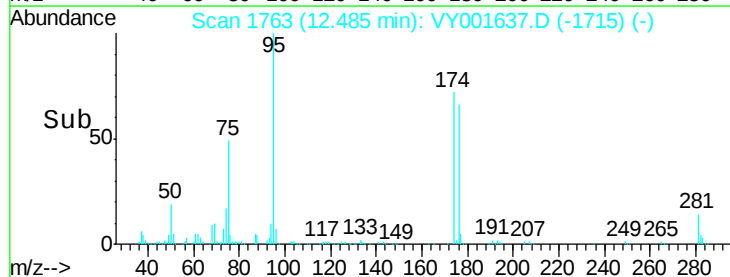
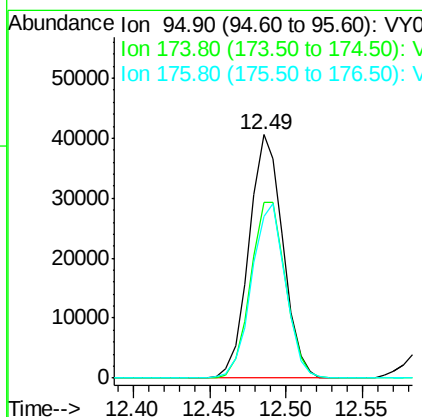
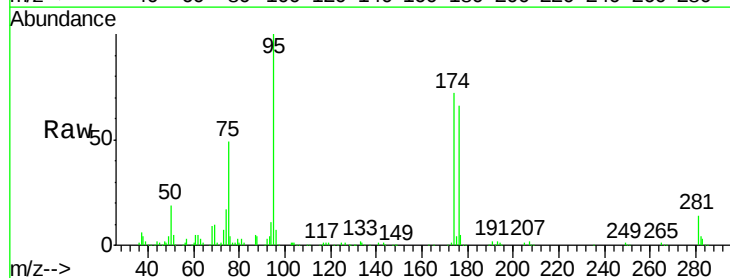
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 21.192 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Tgt Ion: 95 Resp: 62512
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 144.4
 176 71.2 0.0 140.2





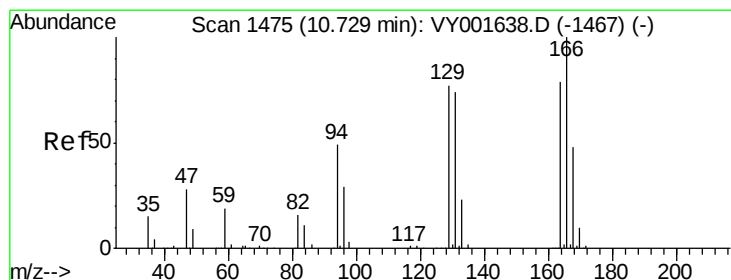
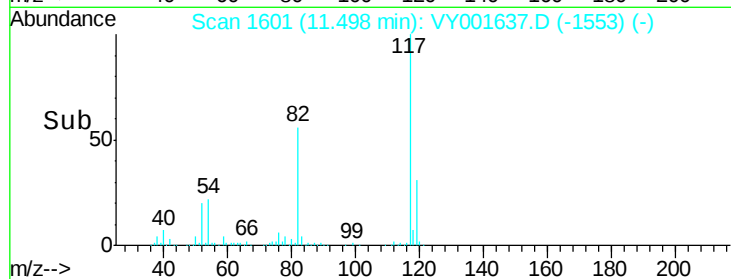
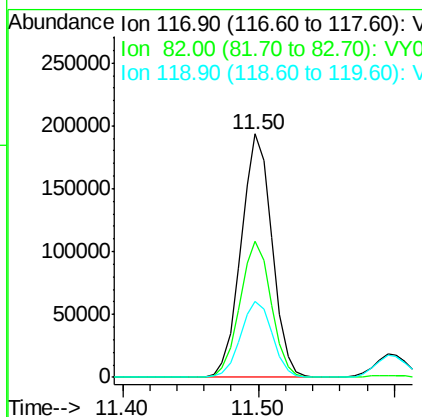
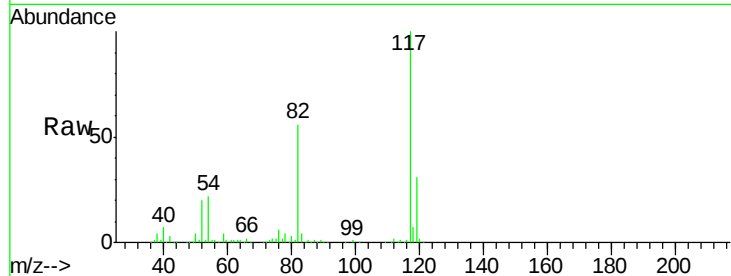
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306654		
82	56.1		44.3	66.5
119	31.3		25.3	37.9

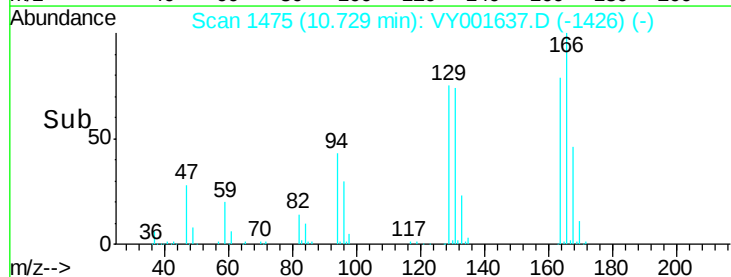
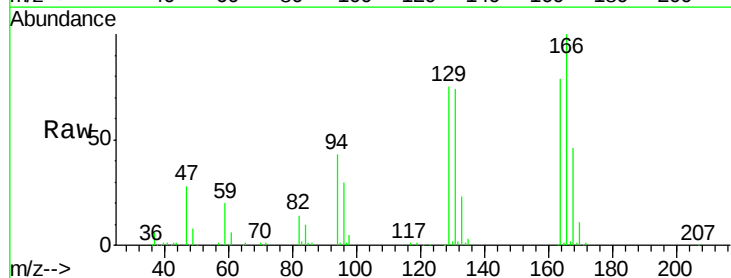
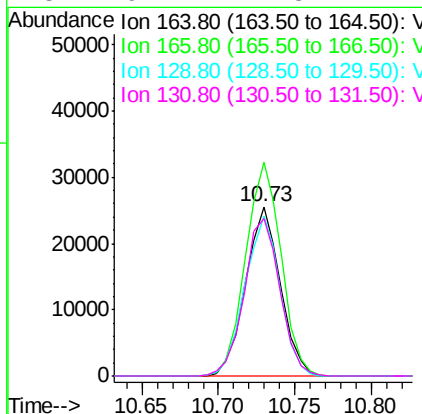
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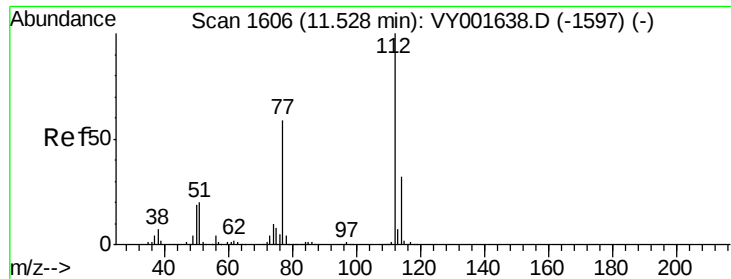
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#64
Tetrachloroethene
Concen: 20.320 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40366		
166	126.1		101.7	152.5
129	94.4		78.6	118.0
131	92.7		74.8	112.2





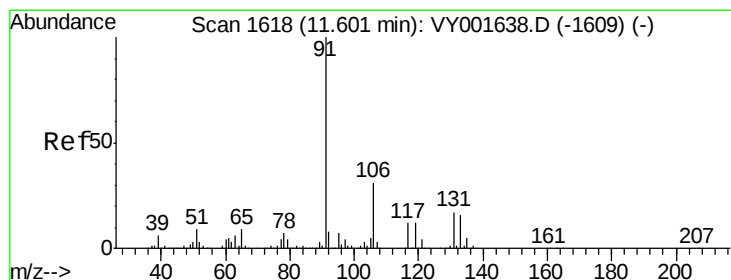
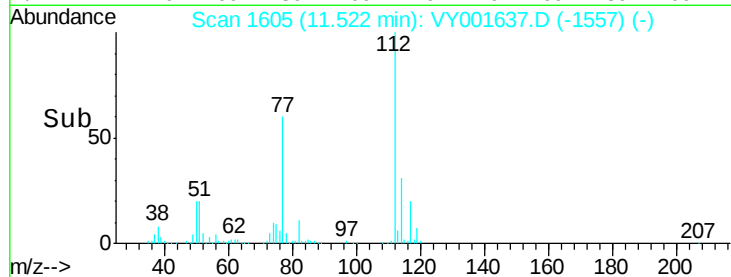
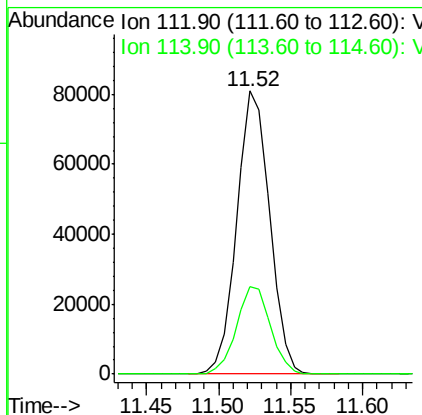
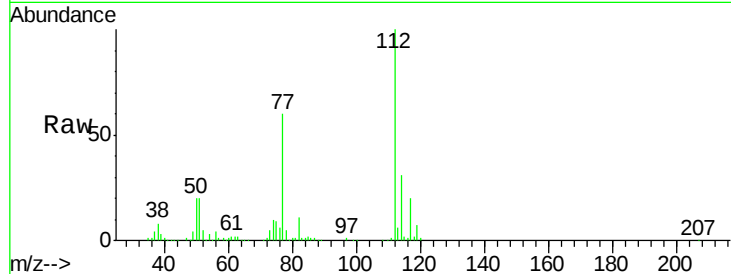
#65
Chlorobenzene
Concen: 21.384 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.7	38.5

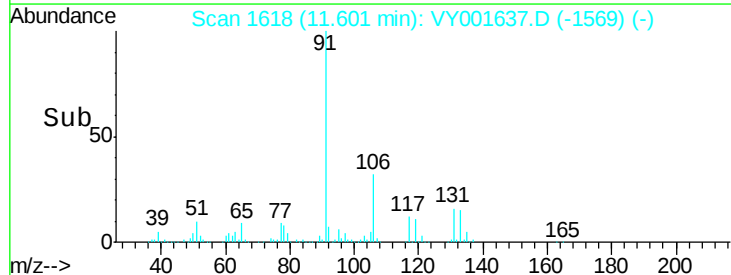
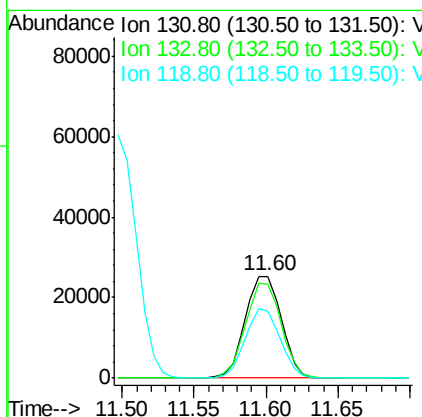
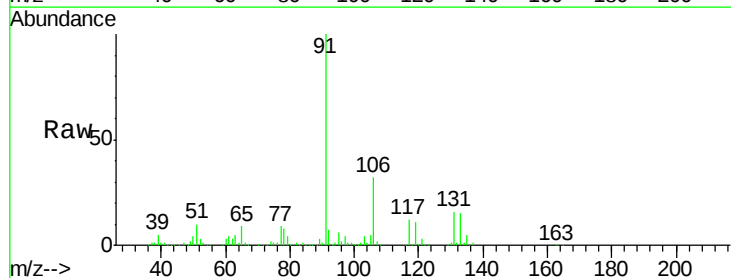
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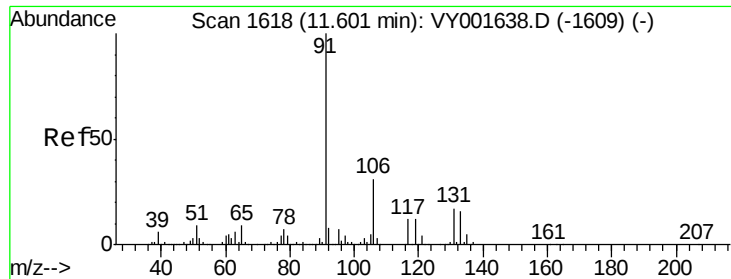
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.009 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	47.4	142.2
119	65.6	33.9	101.7





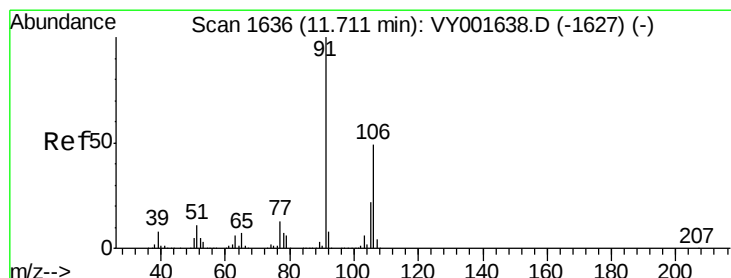
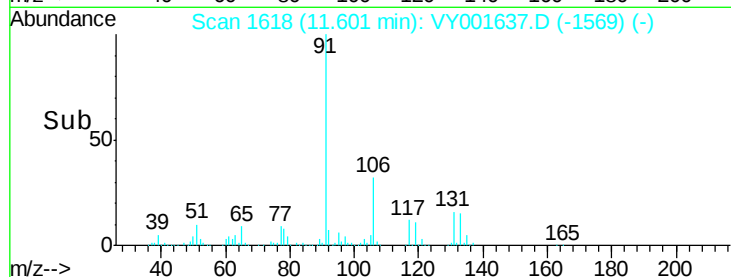
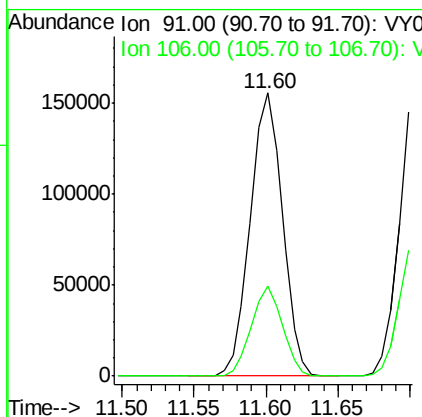
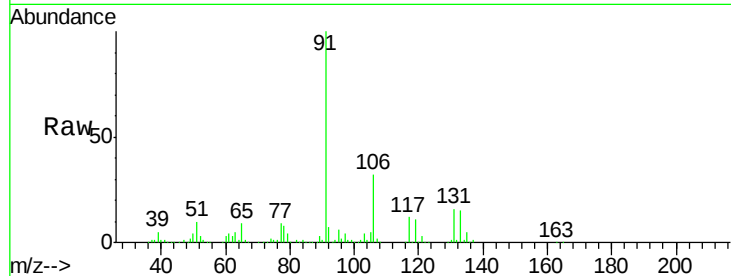
#67
Ethyl Benzene
Concen: 21.612 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 240787
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

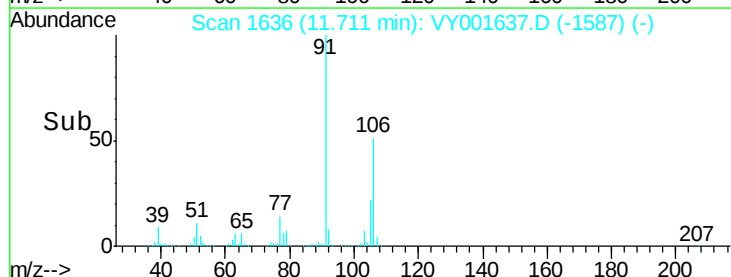
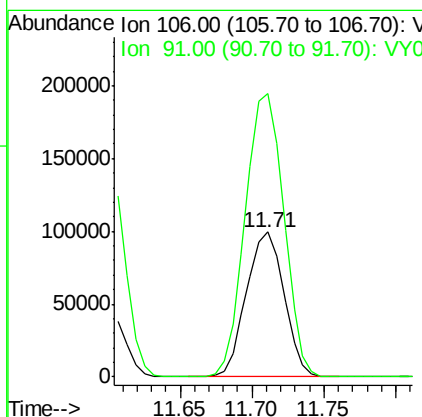
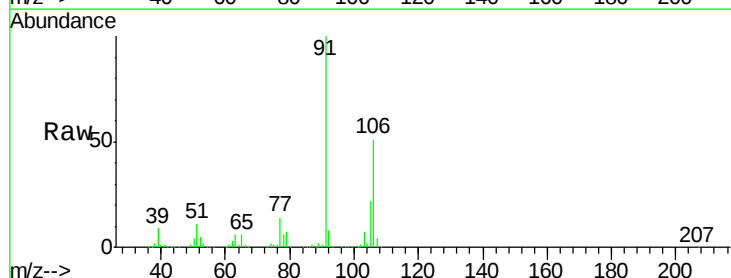
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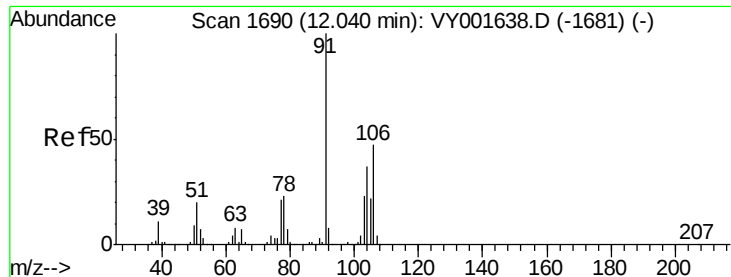
MMDadoda
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#68
m/p-Xylenes
Concen: 43.191 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion: 106 Resp: 180747
Ion Ratio Lower Upper
106 100
91 200.0 161.7 242.5





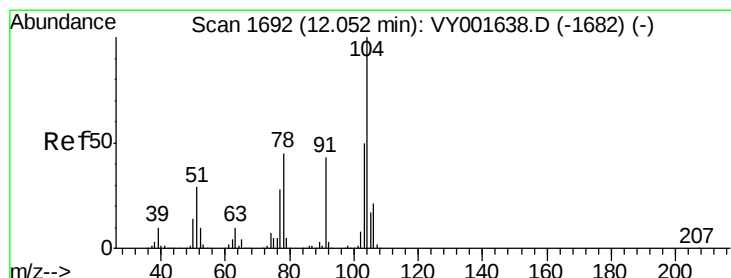
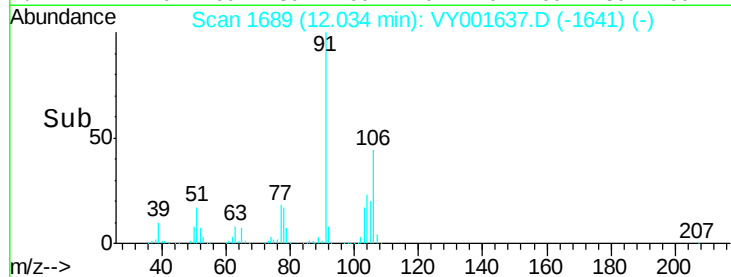
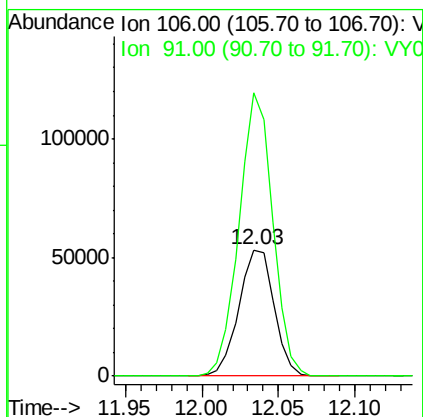
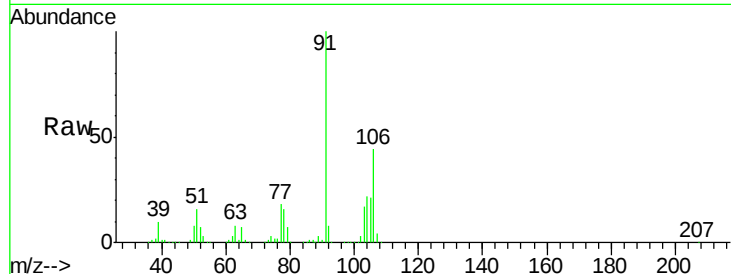
#69
o-Xylene
Concen: 21.510 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 84948
Ion Ratio Lower Upper
106 100
91 214.8 105.1 315.3

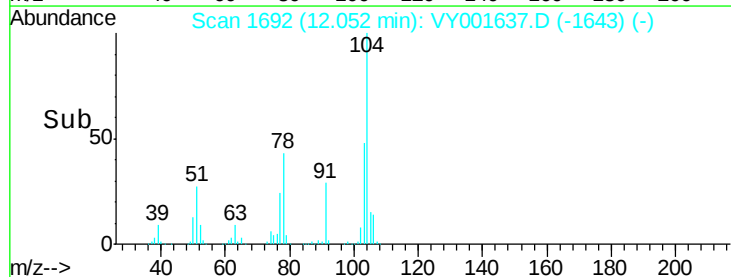
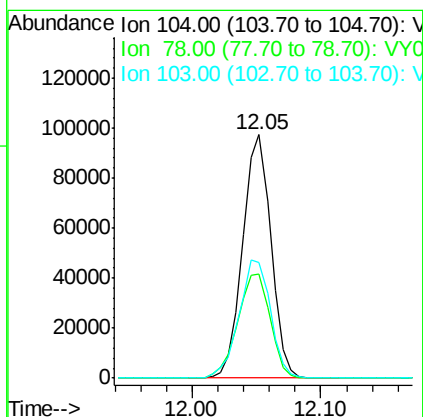
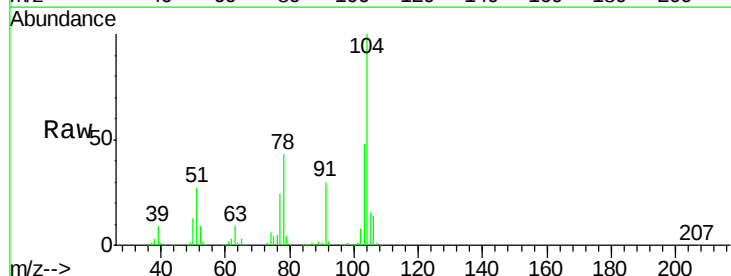
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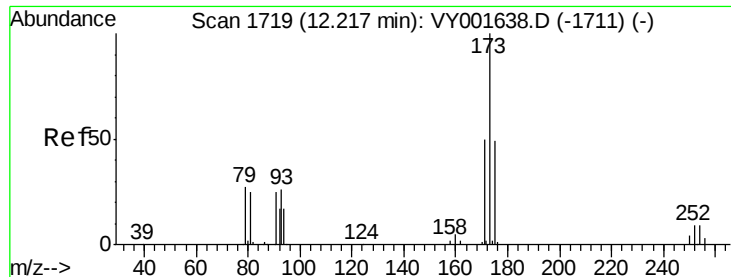
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#70
Styrene
Concen: 21.573 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion:104 Resp: 147698
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.8 42.8 64.2





#71

Bromoform

Concen: 20.284 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 23960

Ion Ratio Lower Upper

173 100

175 47.4 23.8 71.4

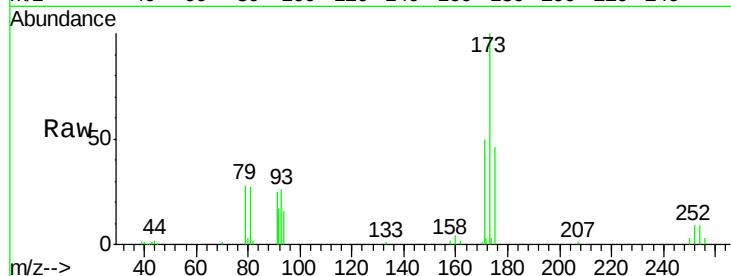
254 0.0 0.0 0.0

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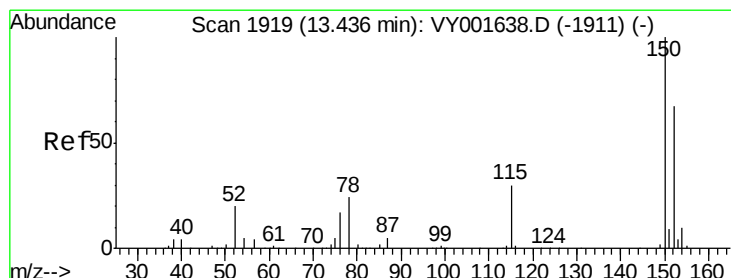
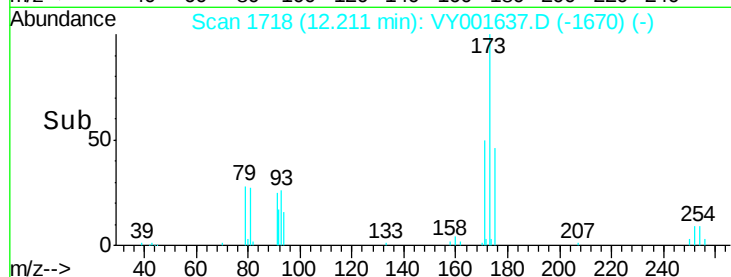
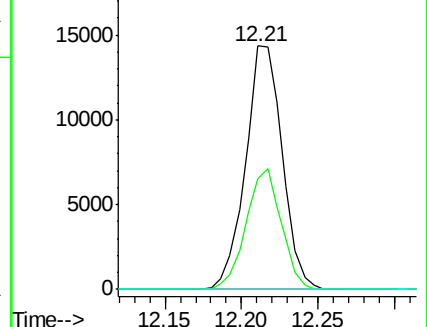
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

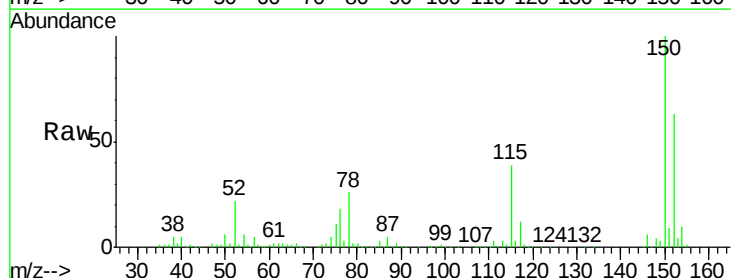
Tgt Ion:152 Resp: 147919

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.8

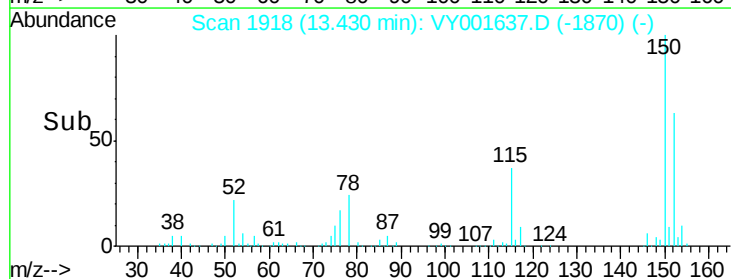
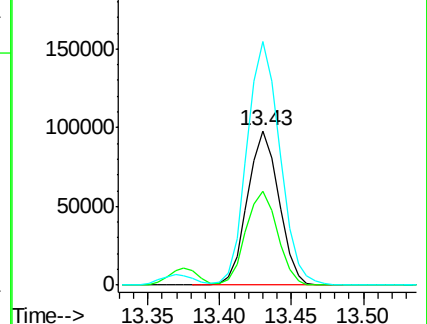
150 165.5 0.0 350.0

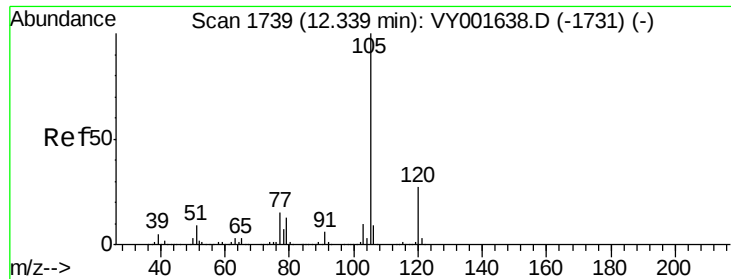


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.567 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 230745

Ion Ratio Lower Upper

105 100

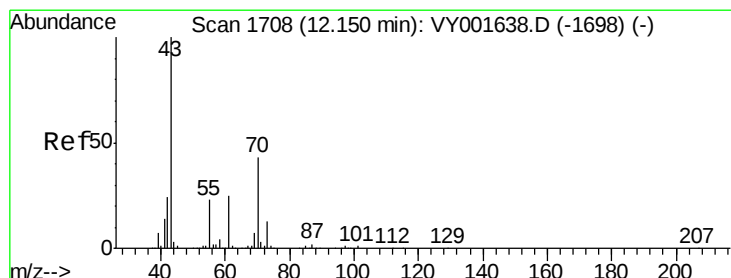
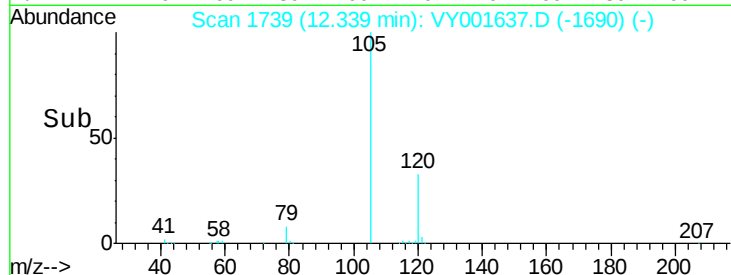
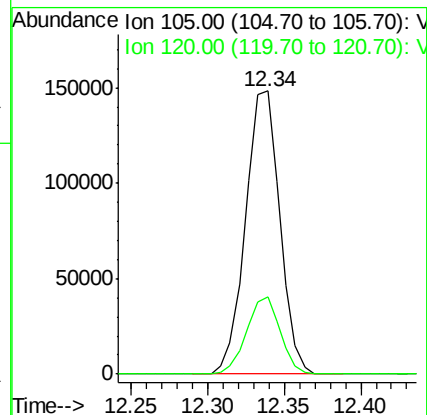
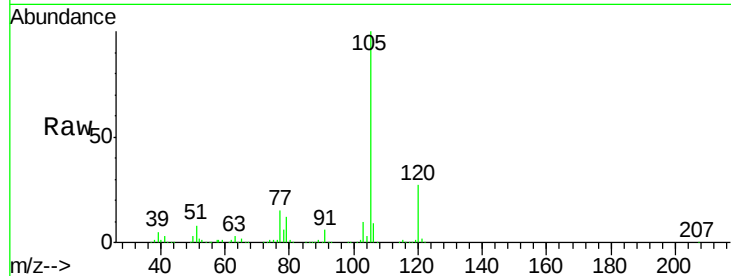
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 23.347 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion: 43 Resp: 71555

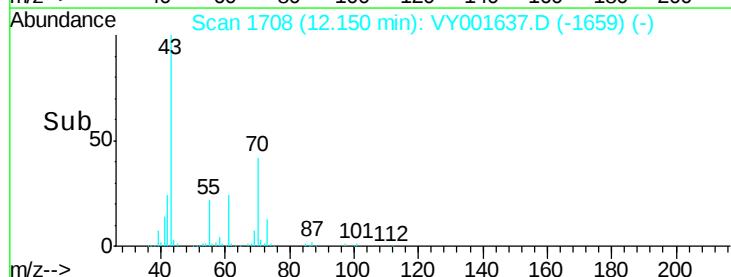
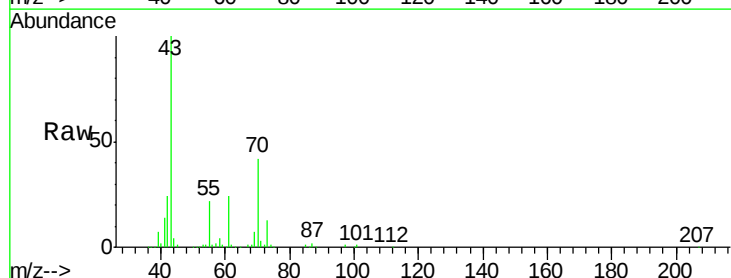
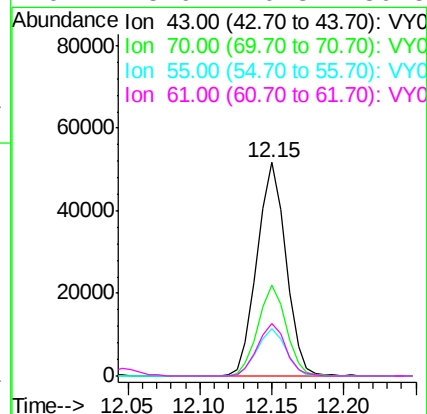
Ion Ratio Lower Upper

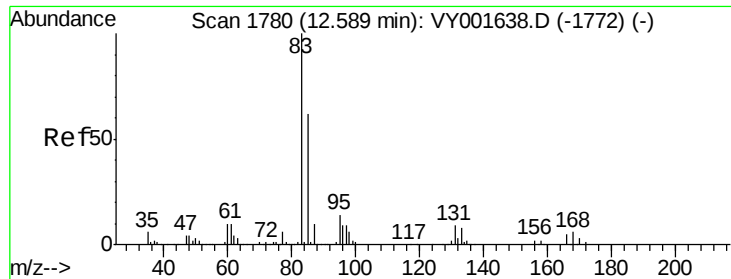
43 100

70 41.7 35.0 52.6

55 22.6 18.3 27.5

61 23.9 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.238 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

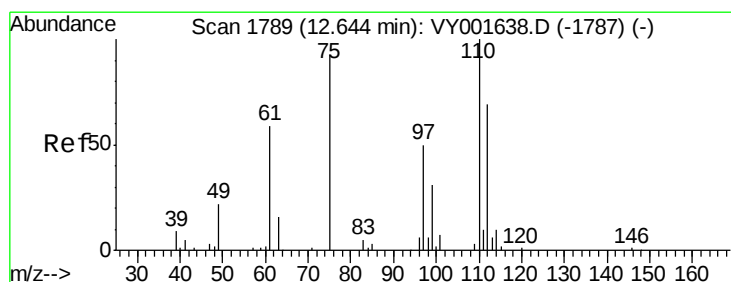
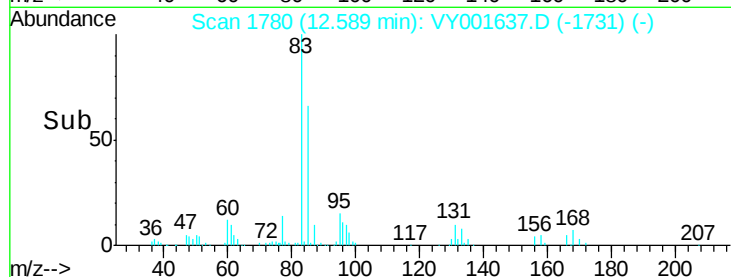
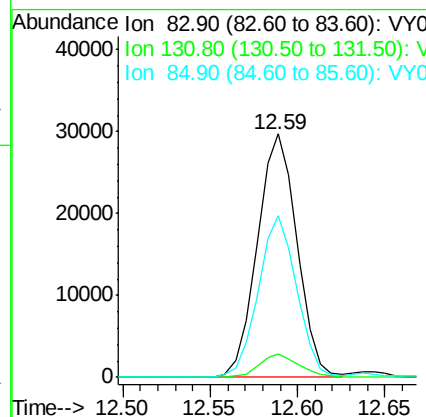
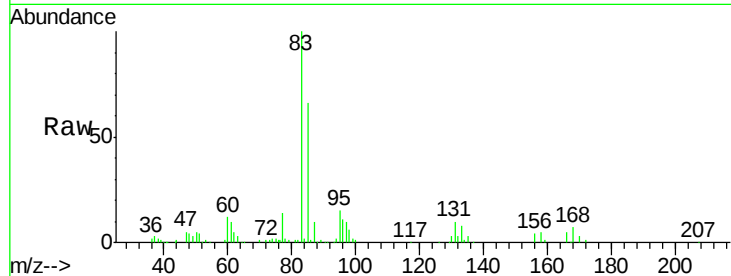
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	46798
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.2	31.5	94.5

Manual Integrations
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2/19/2020 10:49:55 AM



#76

1,2,3-Trichloropropane

Concen: 20.800 ug/l m

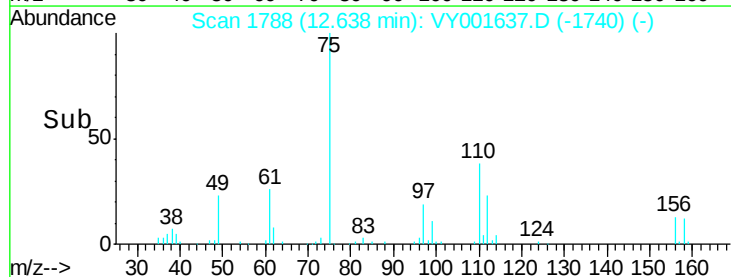
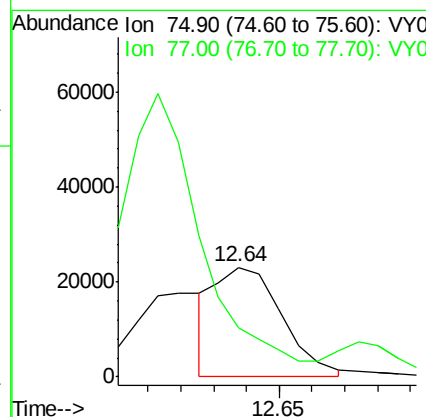
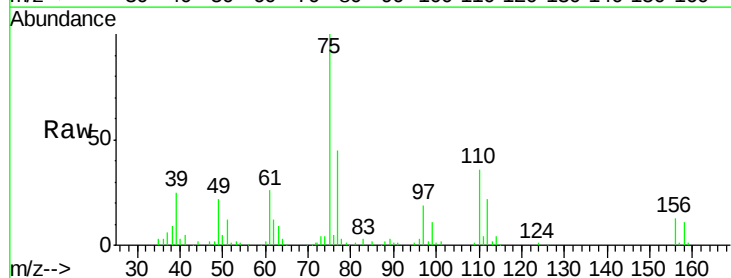
RT: 12.64 min Scan# 1788

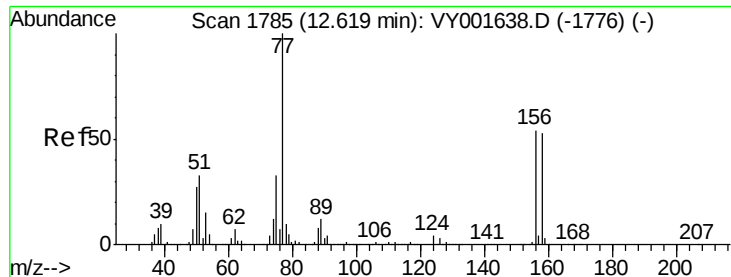
Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion:	75	Resp:	32979
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.873 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

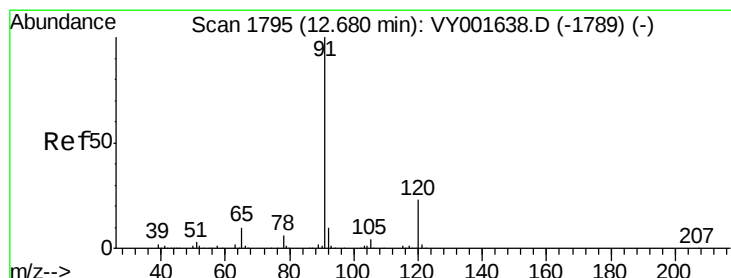
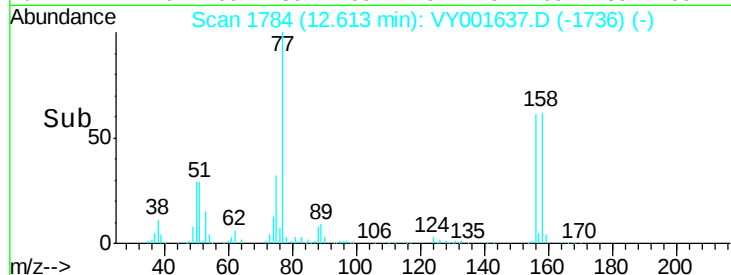
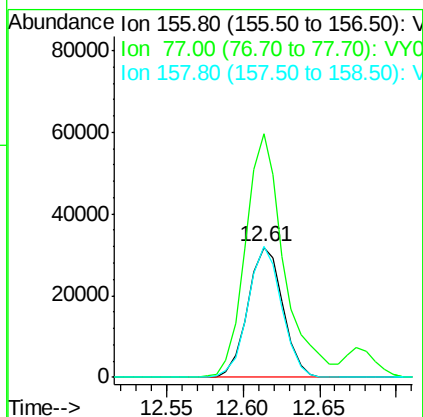
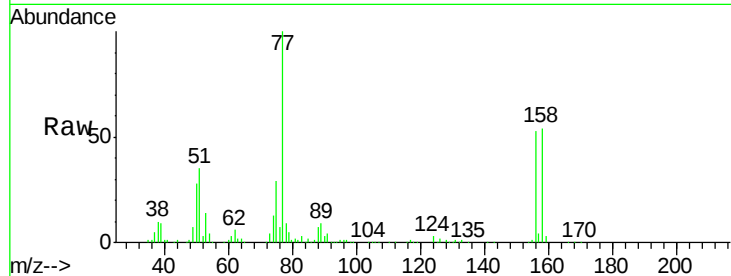
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.5	107.8	323.4
158	96.9	48.6	145.9

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#78

n-propylbenzene

Concen: 20.824 ug/l

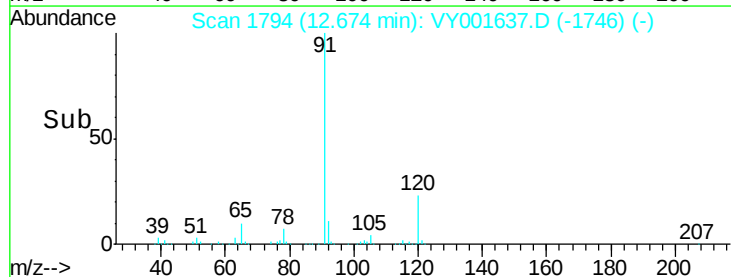
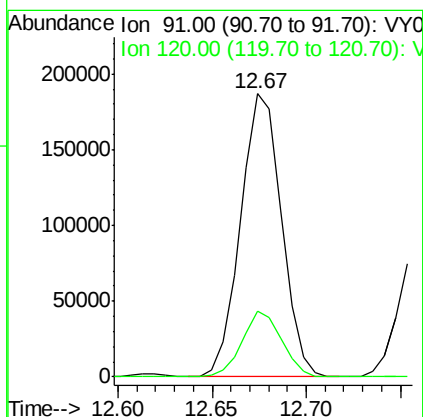
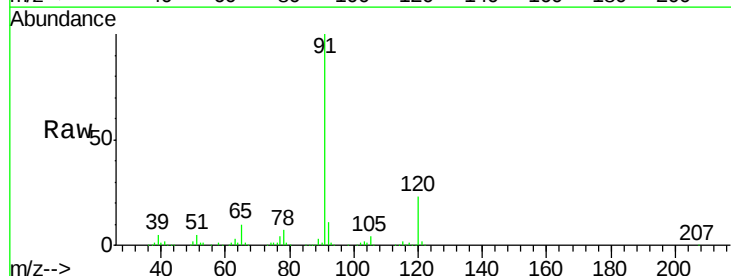
RT: 12.67 min Scan# 1794

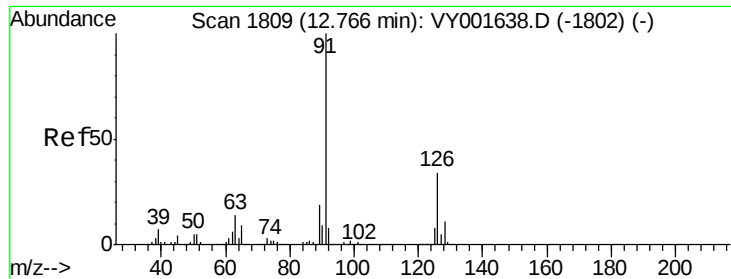
Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 20.647 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 158313

Ion Ratio Lower Upper

91 100

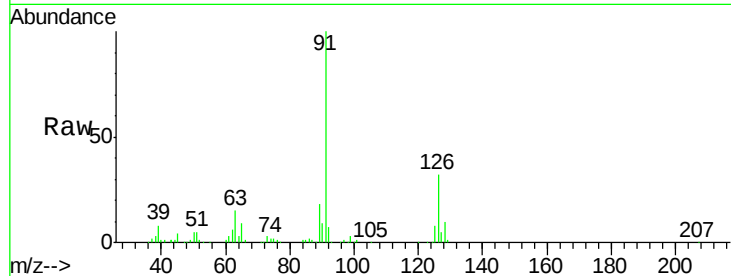
126 33.1 16.8 50.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001637.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001637.D (-1760) (-)

200000

150000

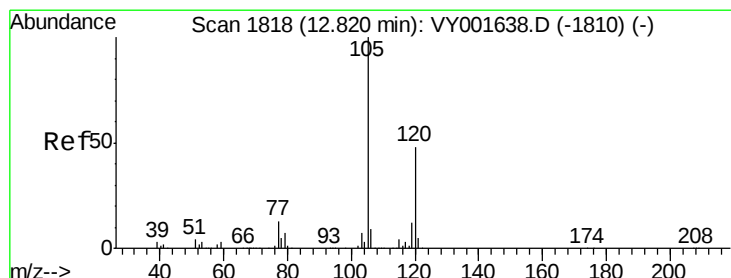
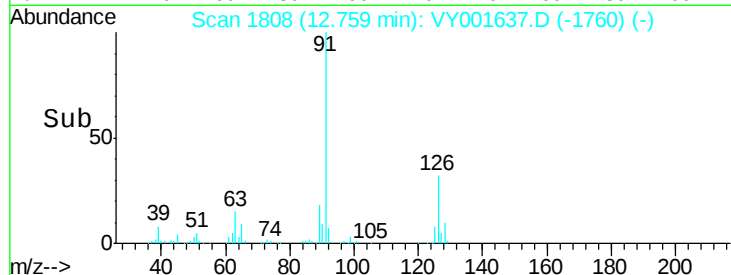
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.189 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001637.D

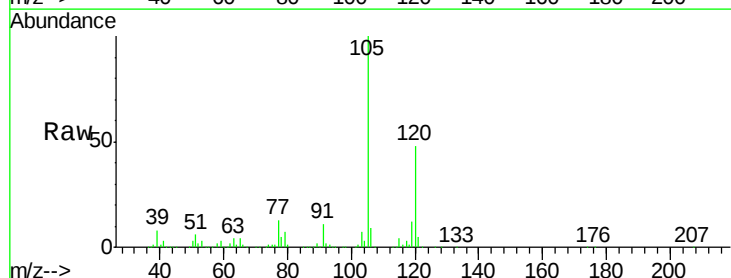
Acq: 17 Feb 2020 10:46

Tgt Ion: 105 Resp: 190826

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001637.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001637.D (-1769) (-)

150000

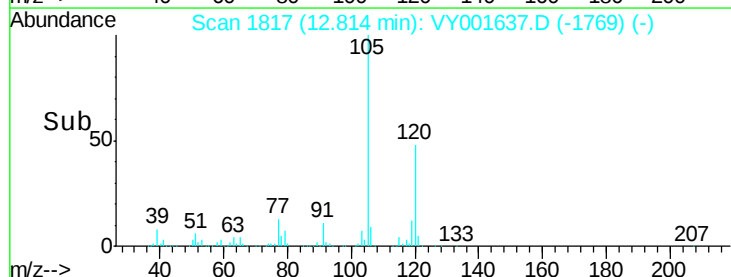
100000

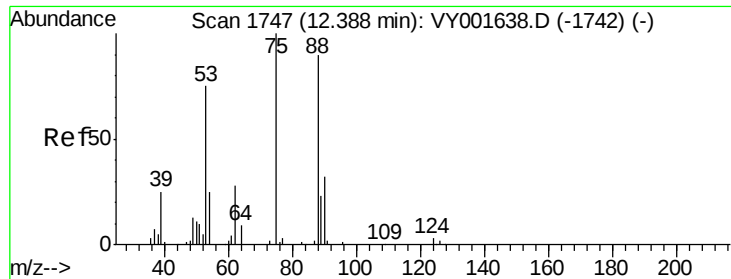
50000

0

12.75 12.80 12.85 12.90

Time-->





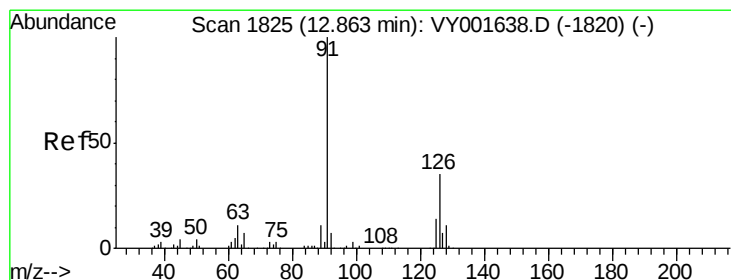
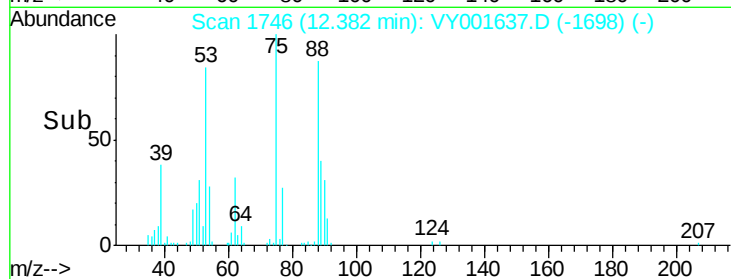
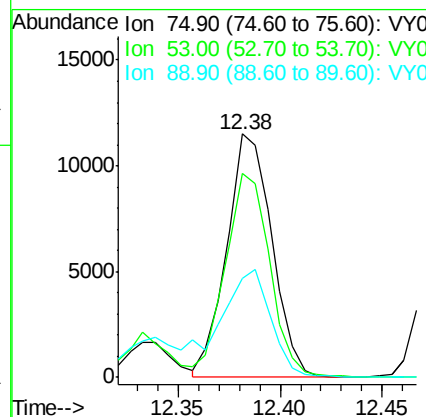
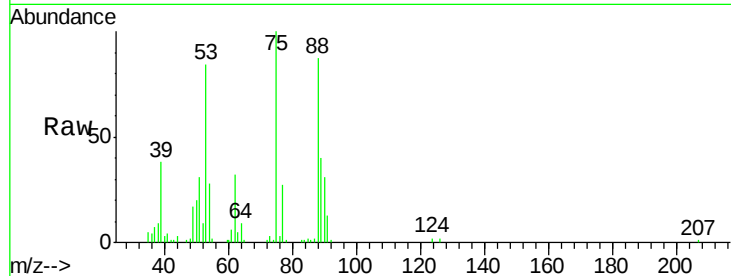
#81
trans-1,4-Dichloro-2-butene
Concen: 20.820 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.7	63.4	95.0
89	50.7	33.0	49.4

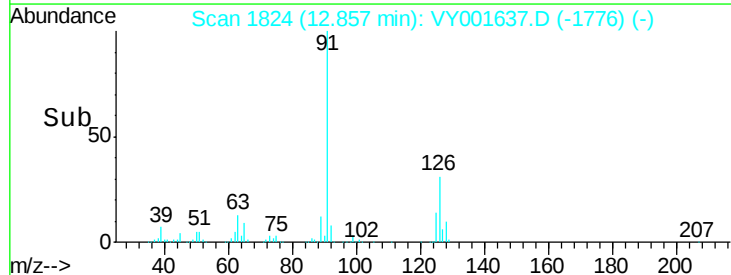
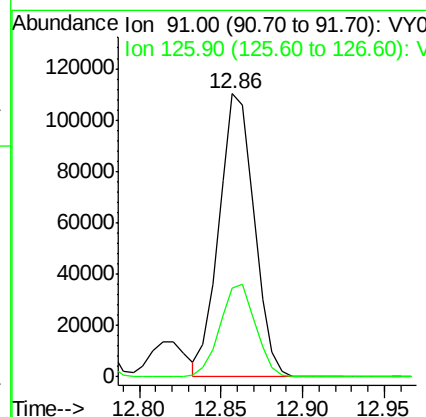
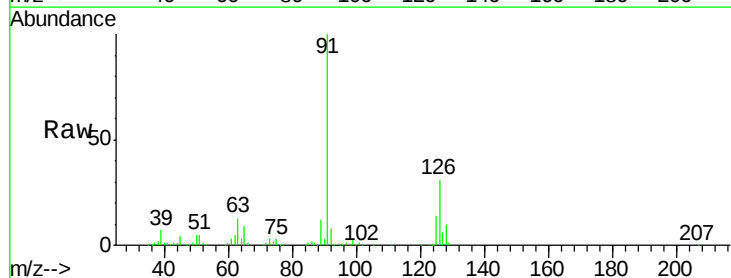
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#82
4-Chlorotoluene
Concen: 20.490 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.8





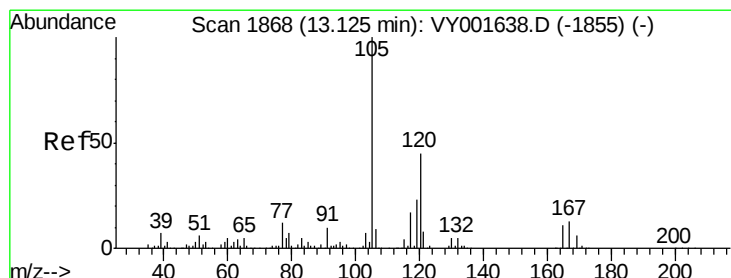
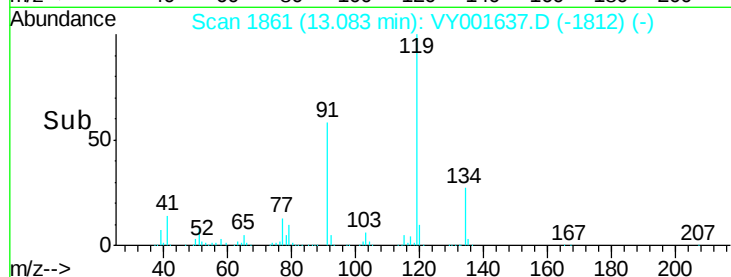
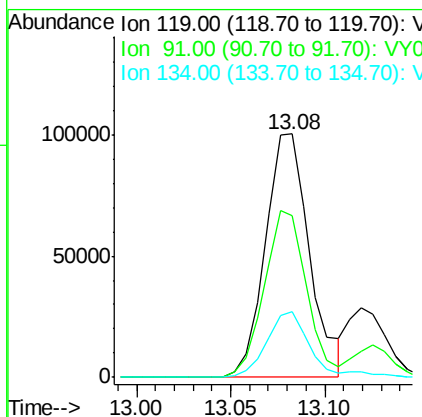
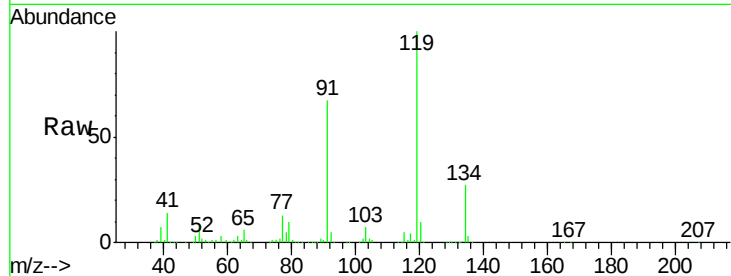
#83
tert-Butylbenzene
Concen: 20.545 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	163729		
91	65.2		33.1	99.5
134	26.8		13.0	39.0

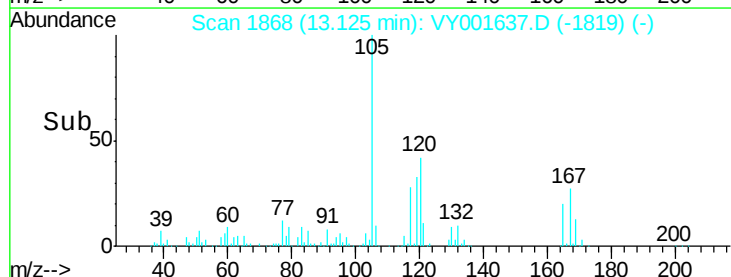
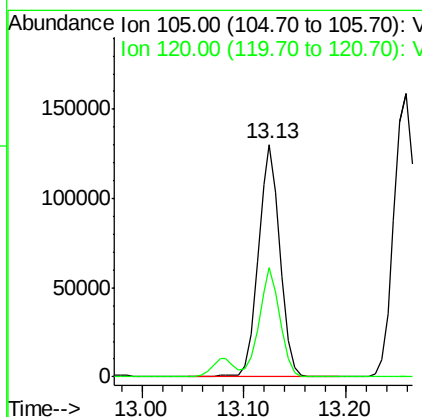
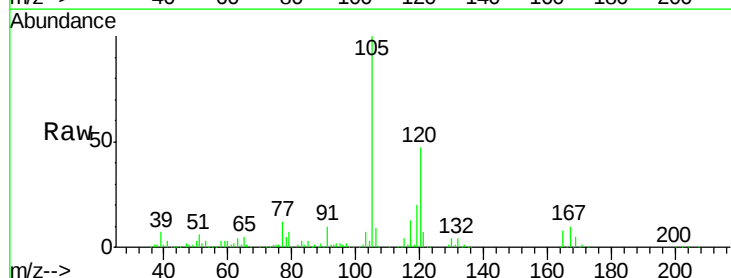
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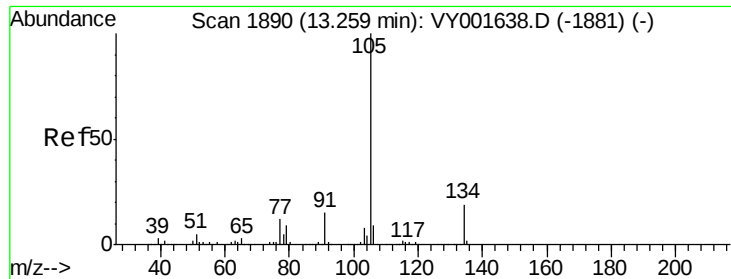
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.481 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191847		
120	45.4		22.8	68.4





#85

sec-Butylbenzene

Concen: 20.916 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 235809

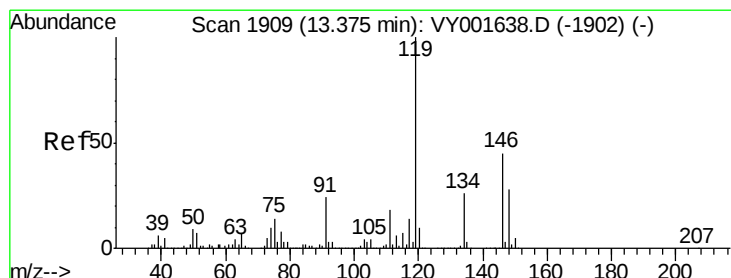
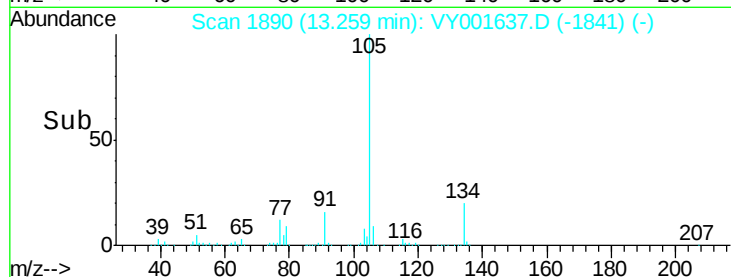
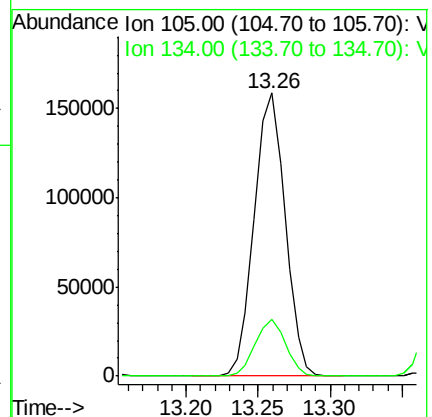
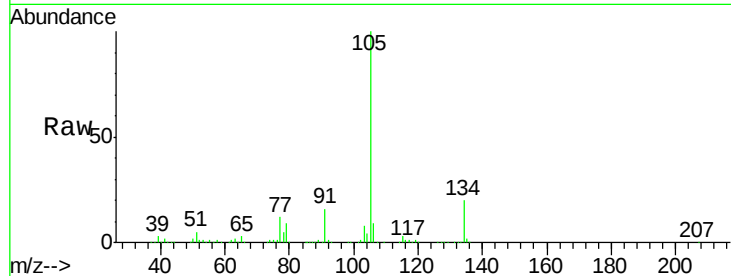
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.095 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001637.D

Acq: 17 Feb 2020 10:46

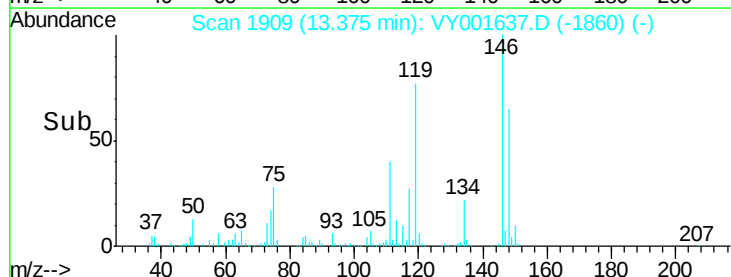
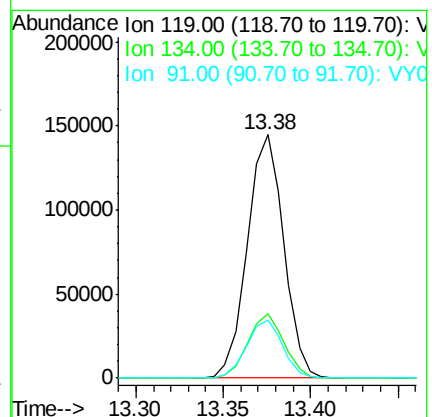
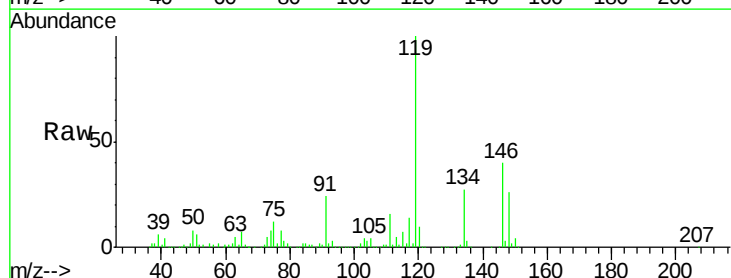
Tgt Ion:119 Resp: 209437

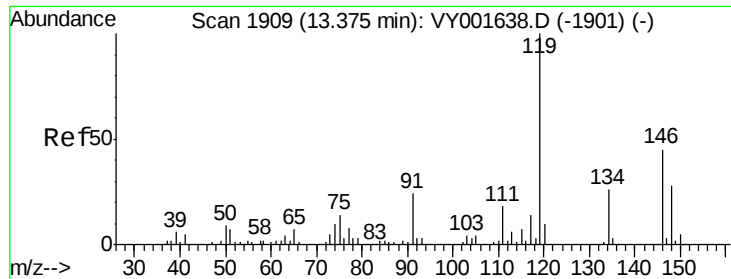
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 23.6 11.9 35.7





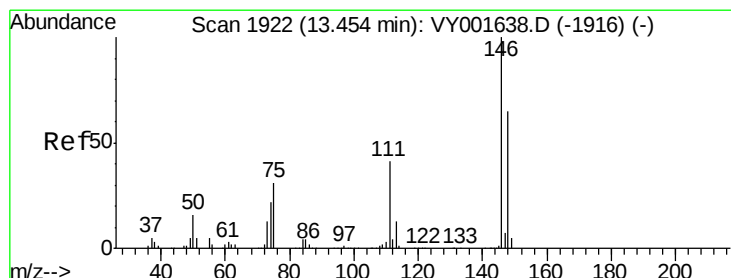
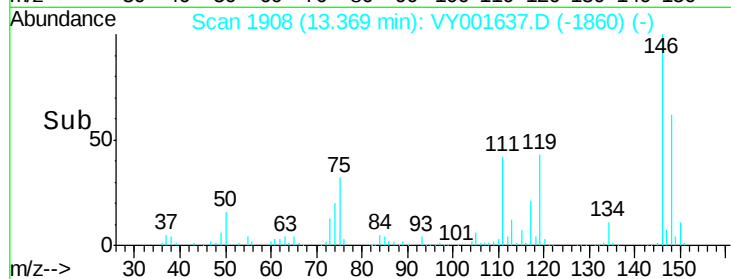
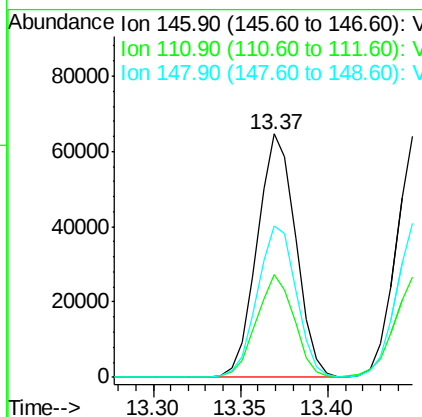
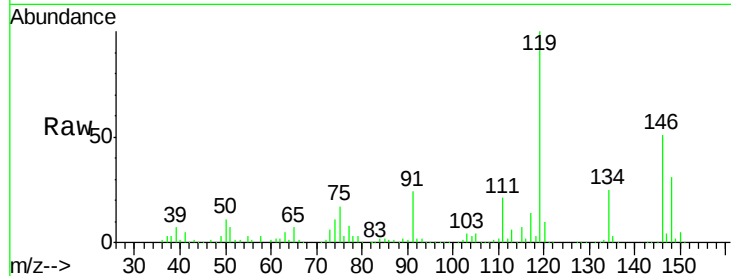
#87
 1,3-Dichlorobenzene
 Concen: 21.151 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	62.7	31.6	94.7

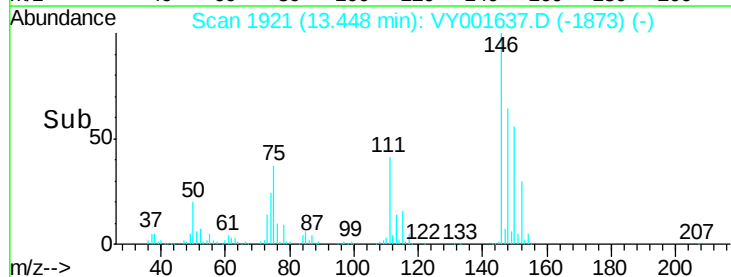
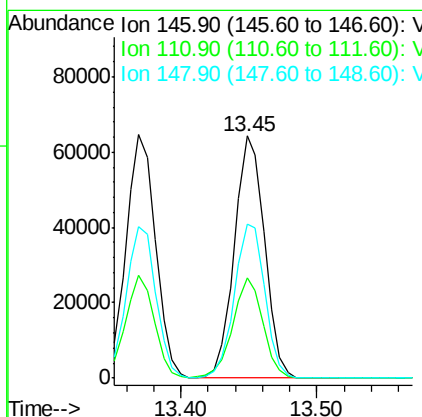
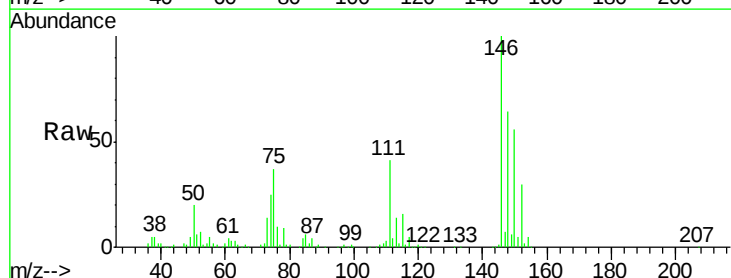
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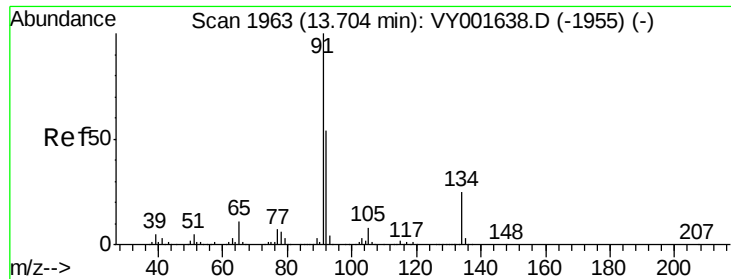
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#88
 1,4-Dichlorobenzene
 Concen: 21.147 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001637.D
 Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	64.3	32.0	96.2





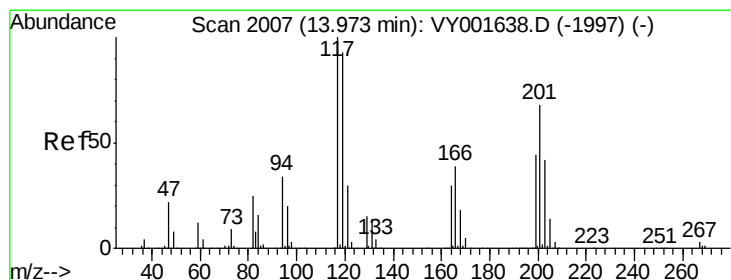
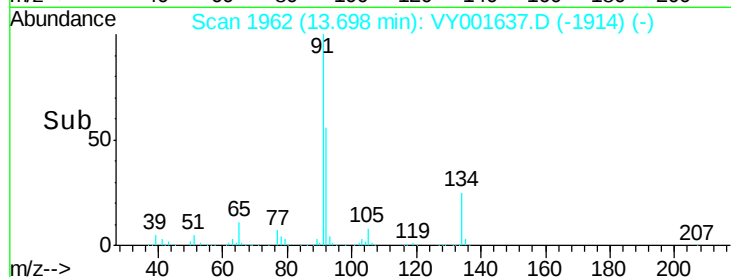
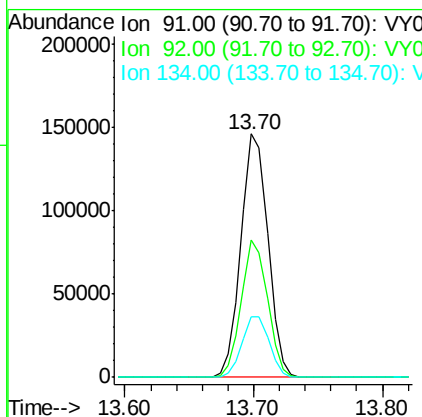
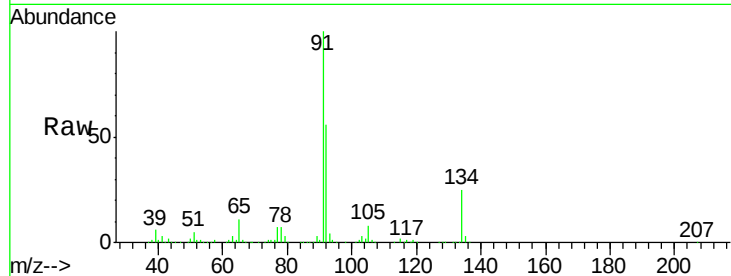
#89
n-Butylbenzene
Concen: 21.467 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.3	81.8
134	25.3	12.6	37.6

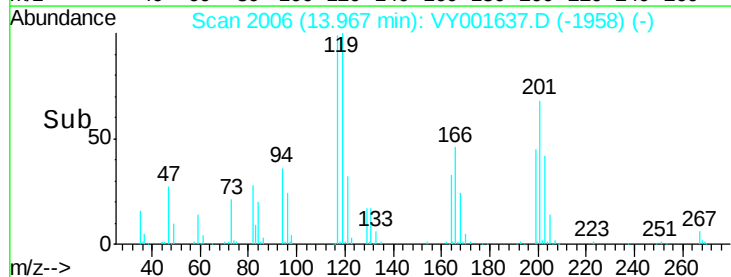
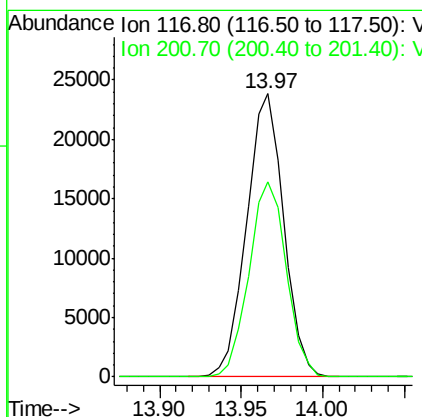
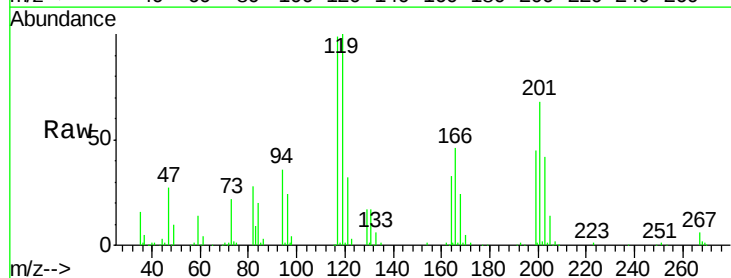
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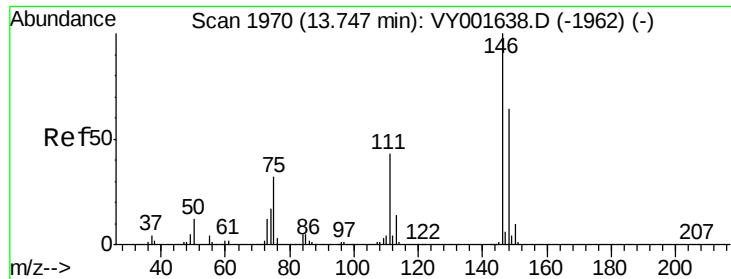
MMDadoda
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#90
Hexachloroethane
Concen: 19.803 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.4	33.3	99.8





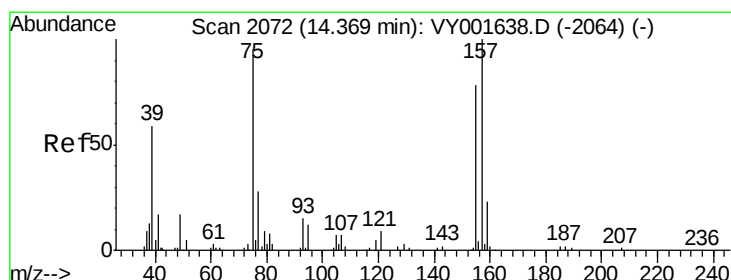
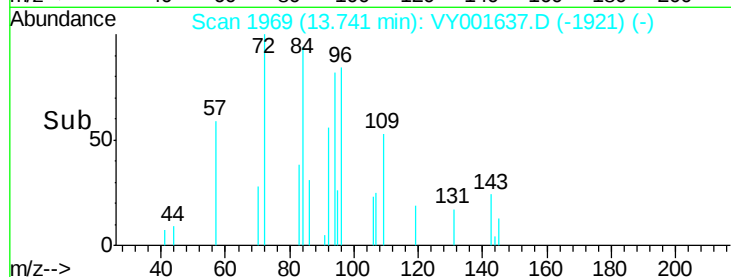
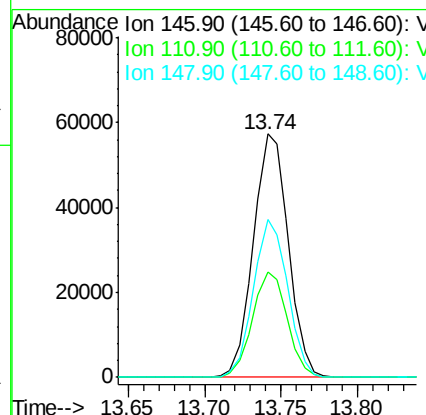
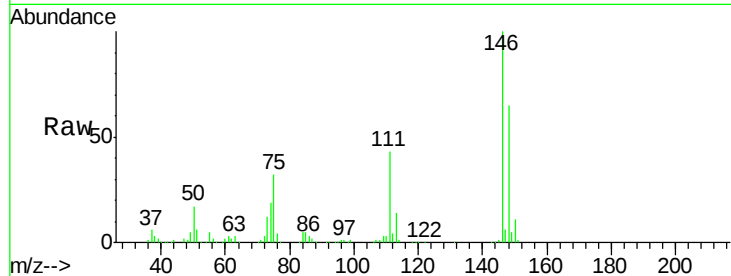
#91
1,2-Dichlorobenzene
Concen: 21.405 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.9	31.5	94.5

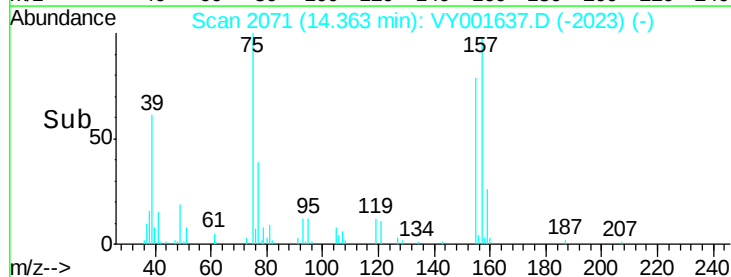
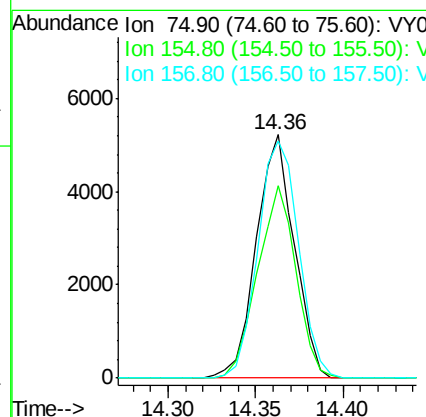
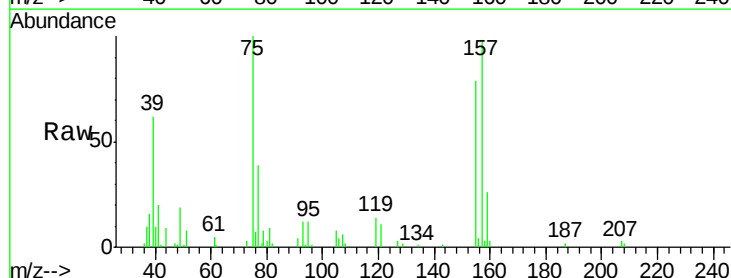
Manual Integrations
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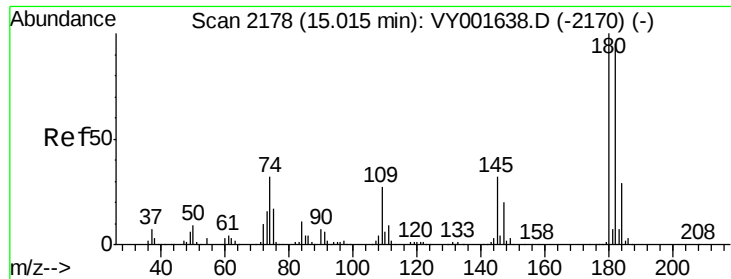
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.681 ug/l
RT: 14.36 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	42.1	126.4
157	104.2	53.0	159.1





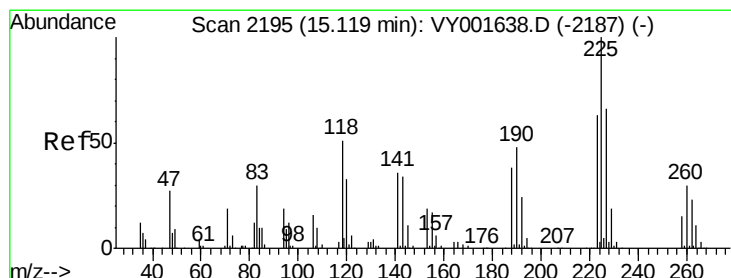
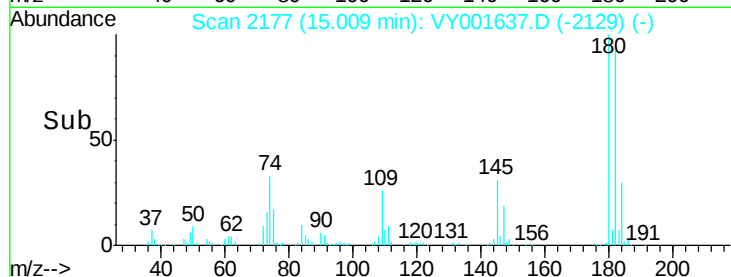
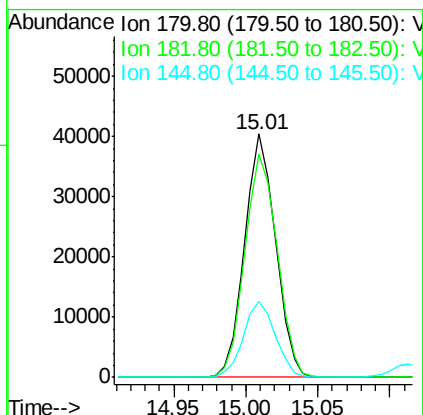
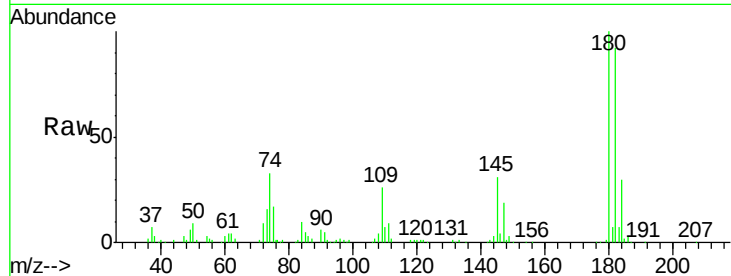
#93
1,2,4-Trichlorobenzene
Concen: 20.981 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60117		
182	95.8	46.9	140.7	
145	31.9	15.6	46.8	

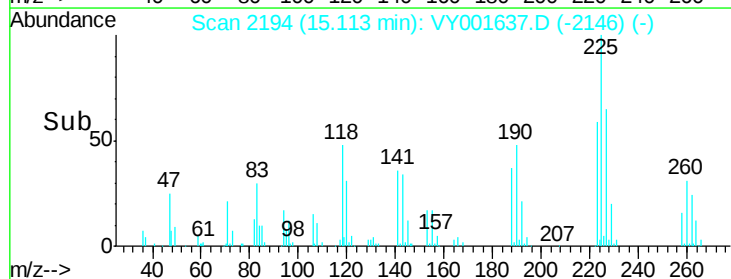
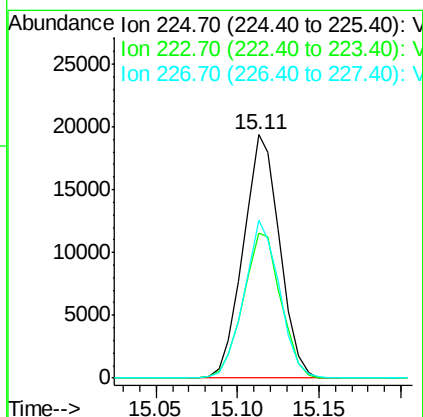
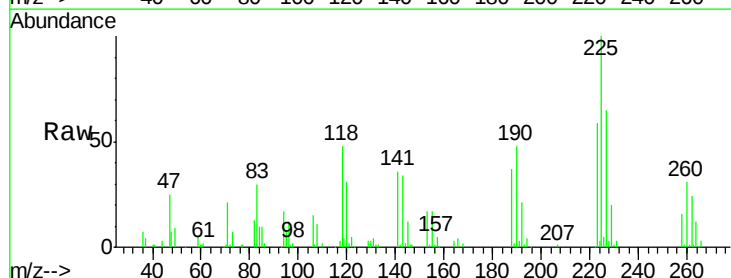
Manual Integrations
APPROVED

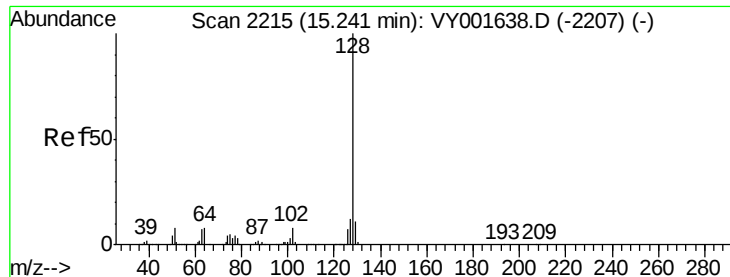
MMDadoda
2/19/2020 10:49:55 AM



#94
Hexachlorobutadiene
Concen: 20.846 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29998		
223	61.3	31.6	94.8	
227	63.3	32.3	96.8	





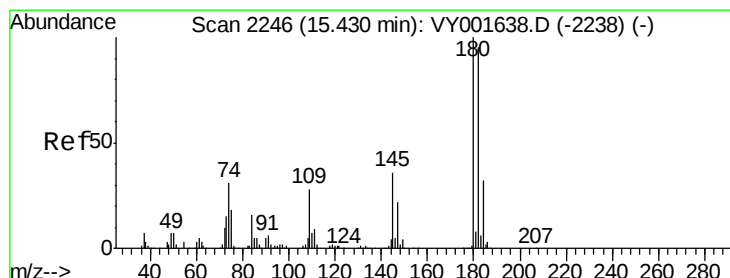
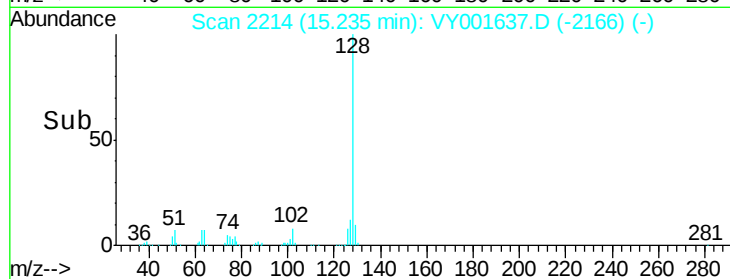
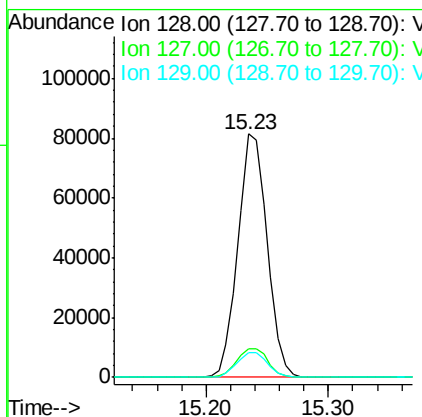
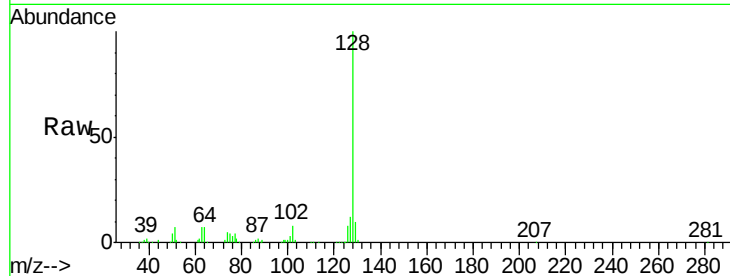
#95
Naphthalene
Concen: 19.847 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.749 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001637.D
Acq: 17 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	32.1	16.9	50.6

