

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000404.D
 Acq On : 24 Oct 2019 13:09
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:27 PM

Quant Time: Oct 25 06:52:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	219683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	361738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	323028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	130084	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	
35) Dibromofluoromethane	7.73	113	117342	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.18	98	467458	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	12.48	95	165586	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	42510	22.062	ug/l	97
3) Chloromethane	2.12	50	65136	24.264	ug/l	98
4) Vinyl Chloride	2.26	62	55199	20.375	ug/l	96
5) Bromomethane	2.64	94	34871	17.367	ug/l	98
6) Chloroethane	2.79	64	34919	19.976	ug/l	93
7) Trichlorofluoromethane	3.13	101	77858	21.009	ug/l	99
8) Diethyl Ether	3.53	74	31282	23.894	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48051	21.380	ug/l	98
10) Methyl Iodide	4.09	142	47481	15.666	ug/l	98
11) Tert butyl alcohol	4.97	59	23732	97.860	ug/l	98
12) 1,1-Dichloroethene	3.88	96	46487	20.952	ug/l #	95
13) Acrolein	3.74	56	20139	70.833	ug/l	99
14) Allyl chloride	4.49	41	75197	20.452	ug/l	99
15) Acrylonitrile	5.18	53	74717	101.965	ug/l	95
16) Acetone	3.96	43	72550	96.676	ug/l	98
17) Carbon Disulfide	4.19	76	136345	19.518	ug/l	99
18) Methyl Acetate	4.49	43	41531	22.274	ug/l	93
19) Methyl tert-butyl Ether	5.23	73	132697	21.484	ug/l	100
20) Methylene Chloride	4.72	84	75276	27.303	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	53254	20.920	ug/l	97
22) Diisopropyl ether	6.13	45	167443	21.532	ug/l	95
23) Vinyl Acetate	6.07	43	520639	102.622	ug/l	99
24) 1,1-Dichloroethane	6.03	63	89762	21.146	ug/l	98
25) 2-Butanone	7.00	43	105796	100.078	ug/l	100
26) 2,2-Dichloropropane	6.99	77	83343	21.308	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	62011	22.513	ug/l	96
28) Bromochloromethane	7.35	49	33592	18.435	ug/l	95
29) Tetrahydrofuran	7.35	42	63779	99.551	ug/l	98
30) Chloroform	7.52	83	93711	21.922	ug/l	97
31) Cyclohexane	7.79	56	94914	21.409	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	84847	22.325	ug/l	97
36) 1,1-Dichloropropene	7.93	75	73170	20.660	ug/l	99
37) Ethyl Acetate	7.09	43	44415	21.180	ug/l	96
38) Carbon Tetrachloride	7.91	117	73527	21.442	ug/l	94

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Quant Time: Oct 25 06:52:54 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	95582	20.620	ug/l	95
40) Benzene	8.17	78	219634	21.459	ug/l	99
41) Methacrylonitrile	7.32	41	18765m	18.799	ug/l	
42) 1,2-Dichloroethane	8.25	62	64233	21.971	ug/l	100
43) Isopropyl Acetate	8.28	43	82439	20.675	ug/l	100
44) Trichloroethene	8.94	130	61206	21.313	ug/l	100
45) 1,2-Dichloropropane	9.22	63	53963	21.485	ug/l	97
46) Dibromomethane	9.31	93	30246	21.542	ug/l	96
47) Bromodichloromethane	9.50	83	73095	22.090	ug/l	98
48) Methyl methacrylate	9.30	41	35704	20.432	ug/l	100
49) 1,4-Dioxane	9.31	88	8279	393.255	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	218407	106.198	ug/l	100
52) Toluene	10.25	92	137131	21.103	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	74171	20.915	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	84657	21.021	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	42223	20.682	ug/l	94
56) Ethyl methacrylate	10.51	69	60675	20.852	ug/l	99
57) 1,3-Dichloropropane	10.80	76	77407	22.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	149373	128.698	ug/l	98
59) 2-Hexanone	10.83	43	155623	107.805	ug/l	99
60) Dibromochloromethane	10.99	129	50431	22.288	ug/l	97
61) 1,2-Dibromoethane	11.09	107	41989	21.421	ug/l	98
64) Tetrachloroethene	10.72	164	62322	20.266	ug/l	97
65) Chlorobenzene	11.52	112	145083	21.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	52530	21.935	ug/l	99
67) Ethyl Benzene	11.60	91	266300	21.072	ug/l	98
68) m/p-Xylenes	11.70	106	207205	42.889	ug/l	98
69) o-Xylene	12.03	106	96422	20.921	ug/l	99
70) Styrene	12.05	104	165666	21.314	ug/l	99
71) Bromoform	12.20	173	29668	21.551	ug/l #	97
73) Isopropylbenzene	12.33	105	258520	20.305	ug/l	99
74) N-amyl acetate	12.14	43	71671	22.930	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	51498	21.543	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	41290m	20.565	ug/l	
77) Bromobenzene	12.61	156	59753	21.091	ug/l	95
78) n-propylbenzene	12.67	91	312205	20.424	ug/l	100
79) 2-Chlorotoluene	12.75	91	171135	20.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	217400	20.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17708	19.297	ug/l	96
82) 4-Chlorotoluene	12.86	91	182756	20.480	ug/l	99
83) tert-Butylbenzene	13.08	119	187251	20.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	214312	20.340	ug/l	97
85) sec-Butylbenzene	13.25	105	267882	20.482	ug/l	99
86) p-Isopropyltoluene	13.37	119	237996	20.873	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	116859	20.935	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	119122	21.351	ug/l	97
89) n-Butylbenzene	13.70	91	233425	20.716	ug/l	99
90) Hexachloroethane	13.96	117	43687	20.691	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	109697	21.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8527	18.808	ug/l	95

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ClientSampleId :
VY1024SBS01

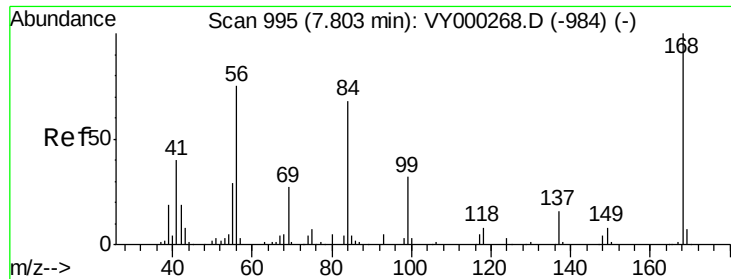
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	75533	21.476	ug/l	99
94) Hexachlorobutadiene	15.11	225	39442	20.722	ug/l	99
95) Naphthalene	15.23	128	164733	20.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	68467	21.600	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:168 Resp: 219683

Ion Ratio Lower Upper

168 100

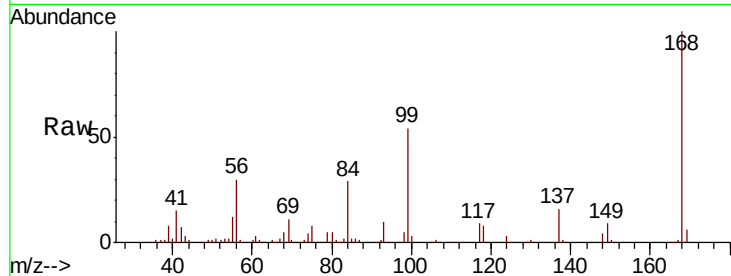
99 54.0 46.6 69.8

Manual Integrations

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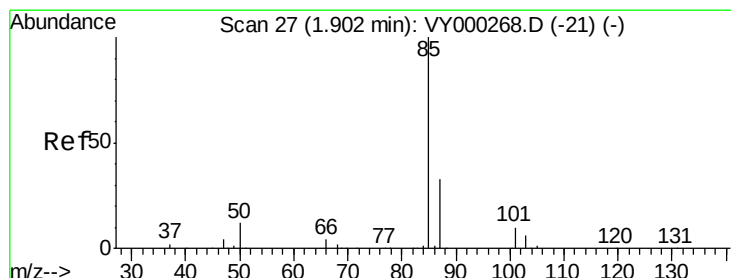
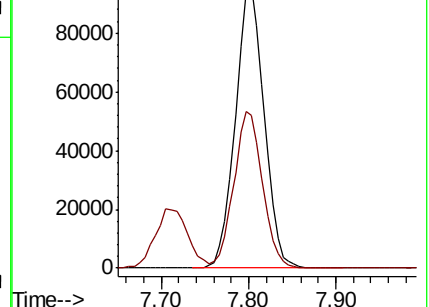
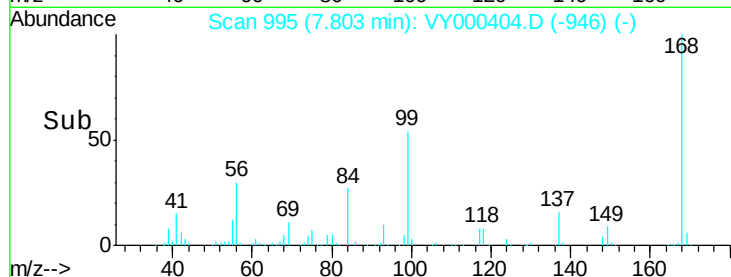
10/25/2019 4:46:27 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000404.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000404.D (-946) (-)

Time-->



#2

Dichlorodifluoromethane

Concen: 22.062 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000404.D

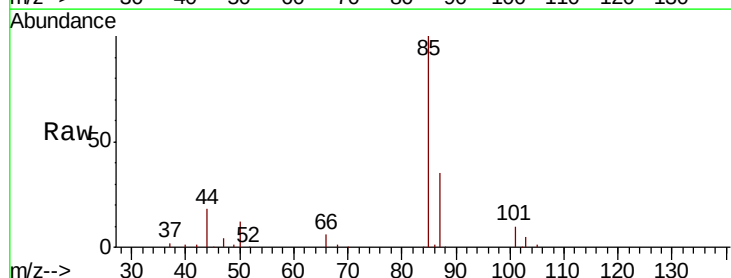
Acq: 24 Oct 2019 13:09

Tgt Ion: 85 Resp: 42510

Ion Ratio Lower Upper

85 100

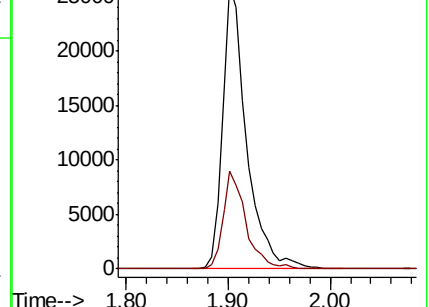
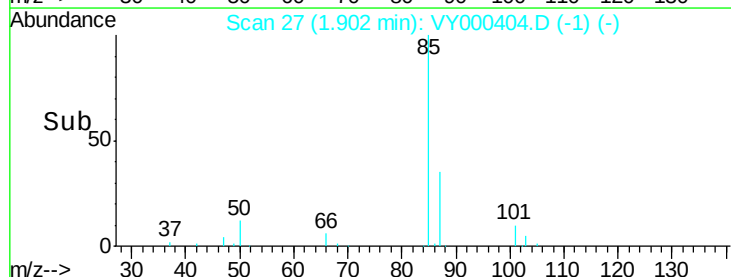
87 34.7 16.6 49.8

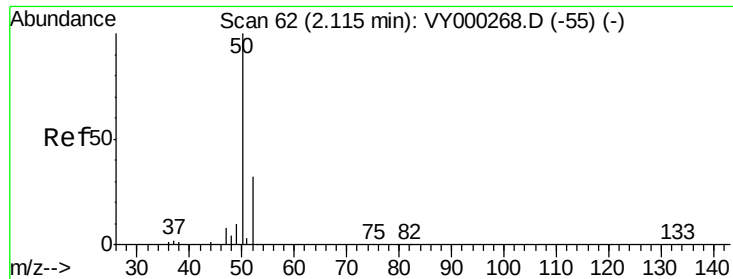


Abundance Ion 84.90 (84.60 to 85.60): VY000404.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000404.D (-1) (-)

Time-->





#3

Chloromethane

Concen: 24.264 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 50 Resp: 65136

Ion Ratio Lower Upper

50 100

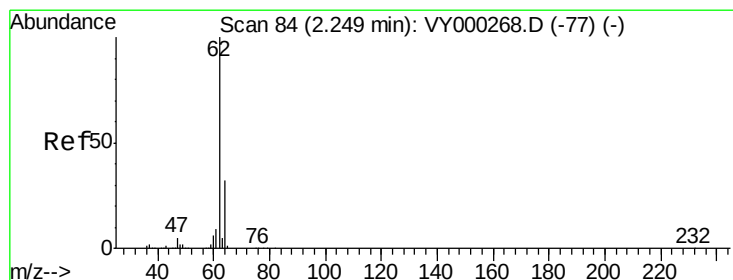
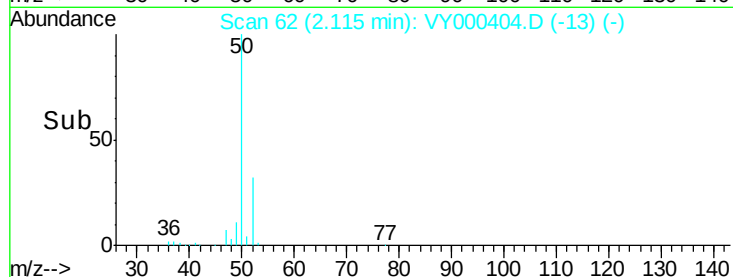
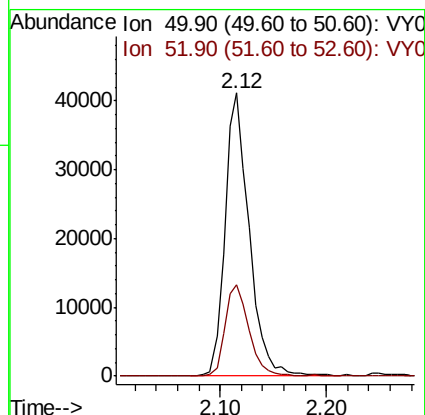
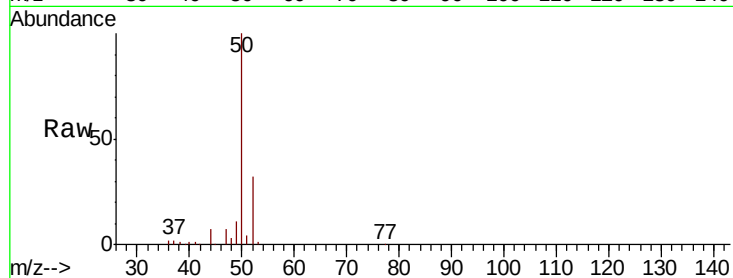
52 32.5 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.375 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000404.D

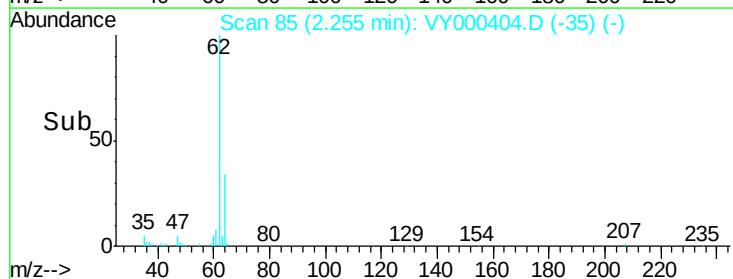
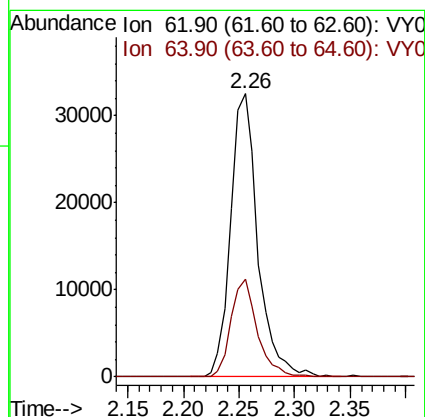
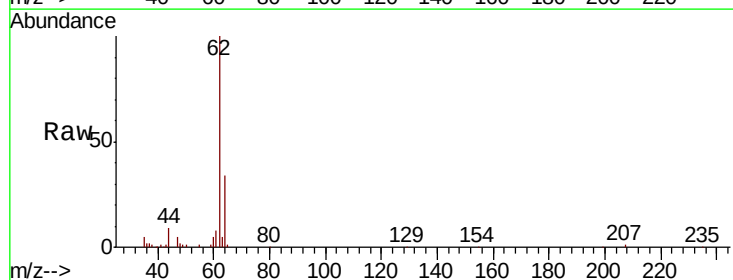
Acq: 24 Oct 2019 13:09

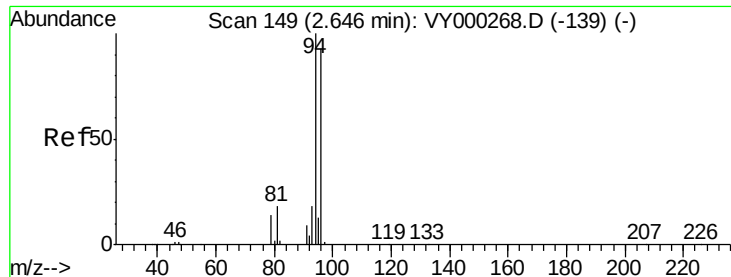
Tgt Ion: 62 Resp: 55199

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#5

Bromomethane

Concen: 17.367 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 94 Resp: 34871

Ion Ratio Lower Upper

94 100

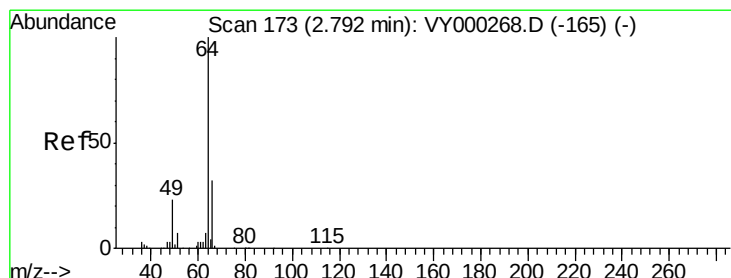
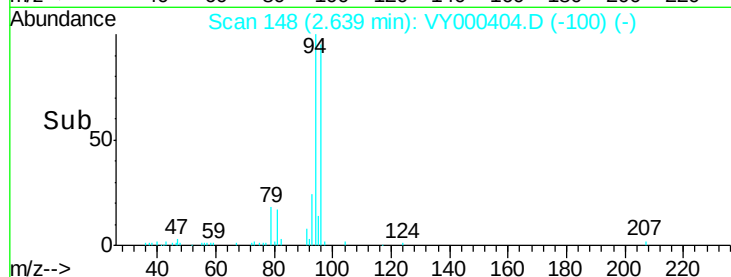
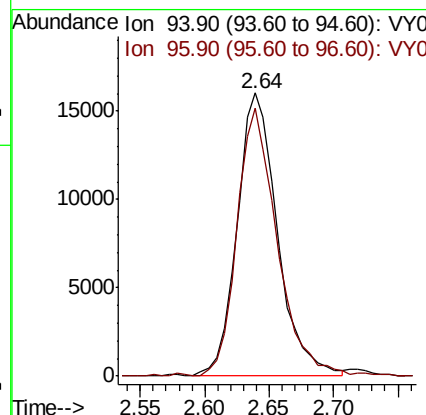
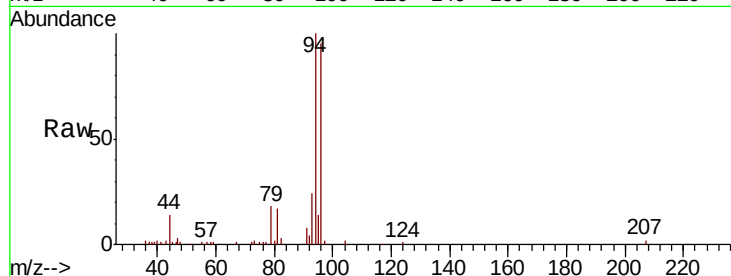
96 94.9 74.2 111.2

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 19.976 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000404.D

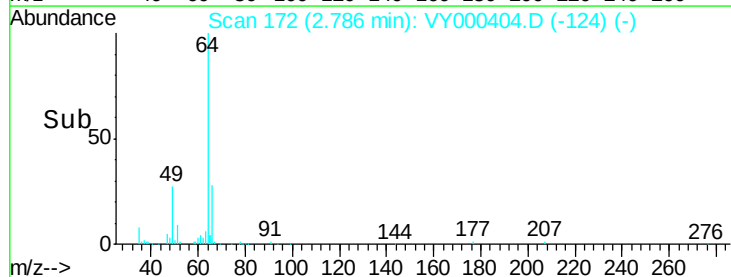
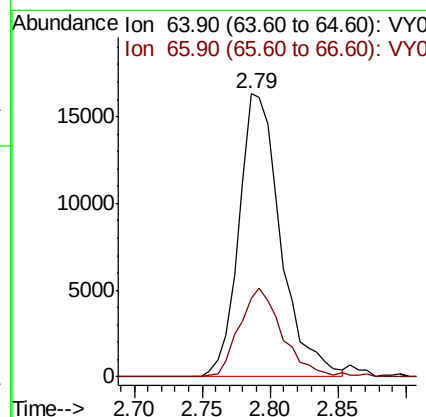
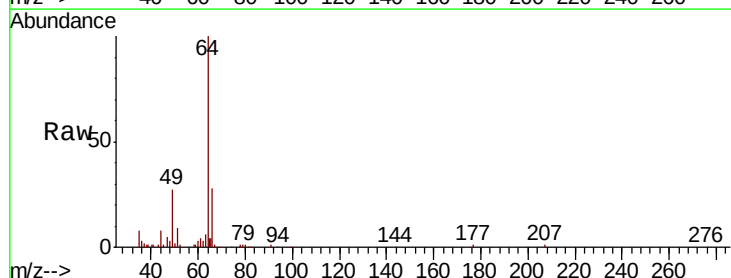
Acq: 24 Oct 2019 13:09

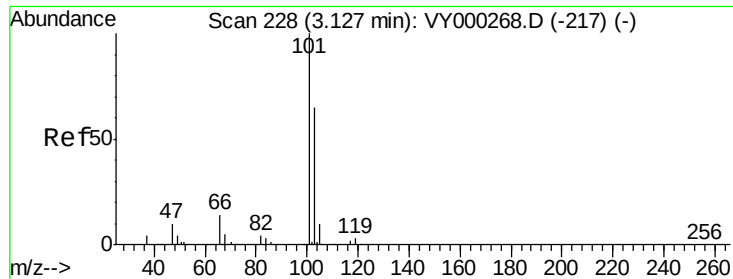
Tgt Ion: 64 Resp: 34919

Ion Ratio Lower Upper

64 100

66 27.9 25.6 38.4





#7

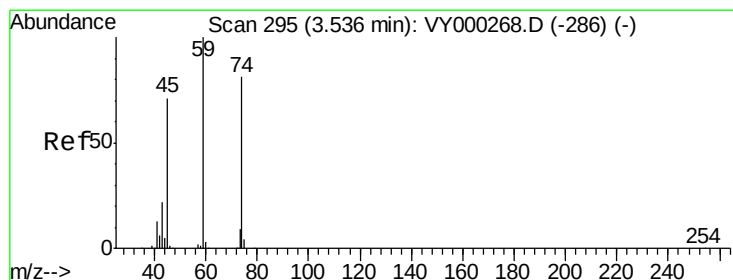
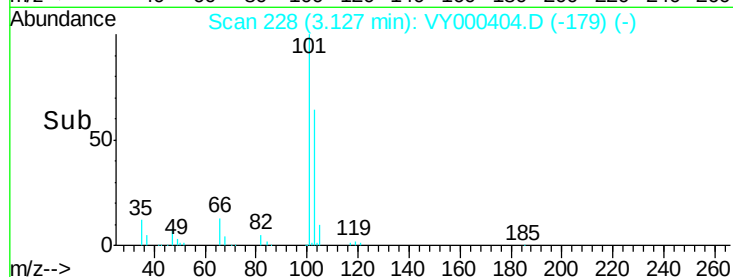
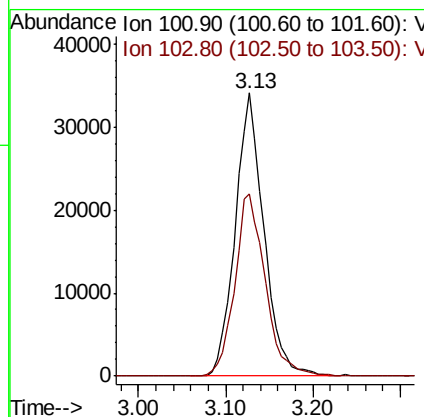
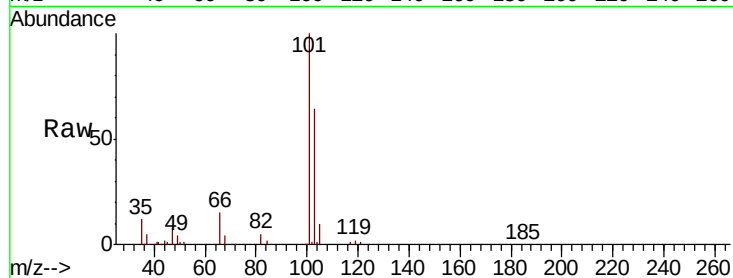
Trichlorofluoromethane
 Concen: 21.009 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

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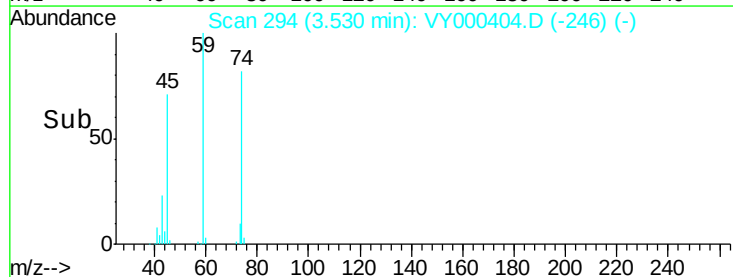
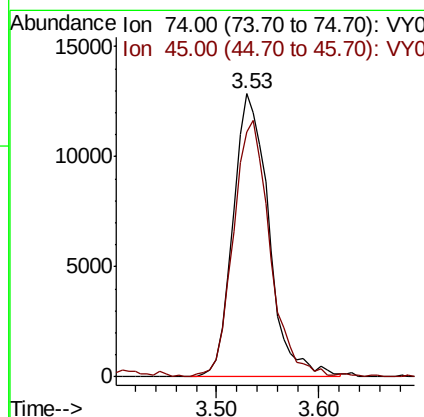
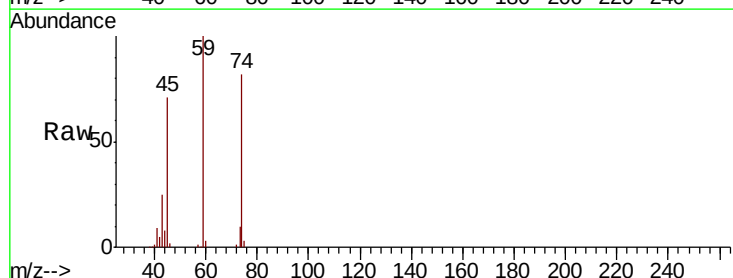
MMDadoda
 10/25/2019 4:46:27 PM

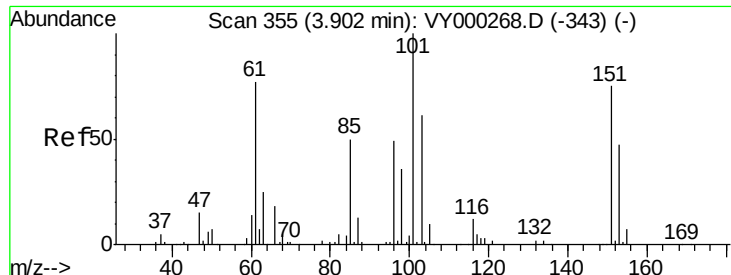


#8

Diethyl Ether
 Concen: 23.894 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.380 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

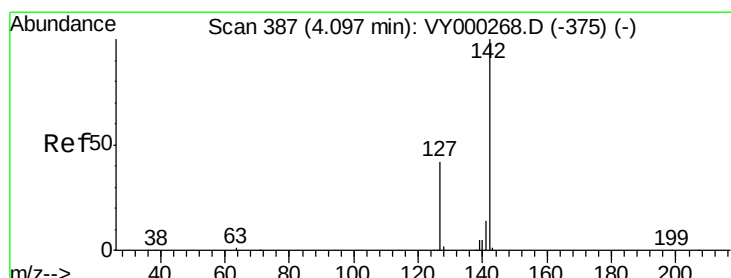
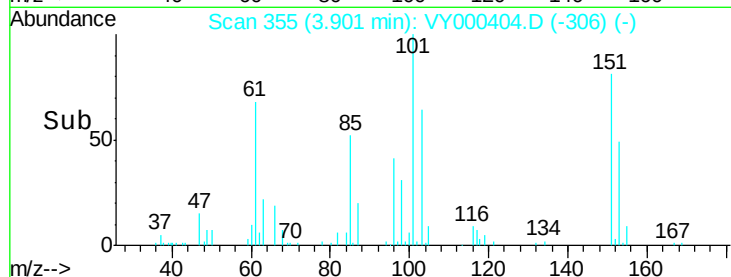
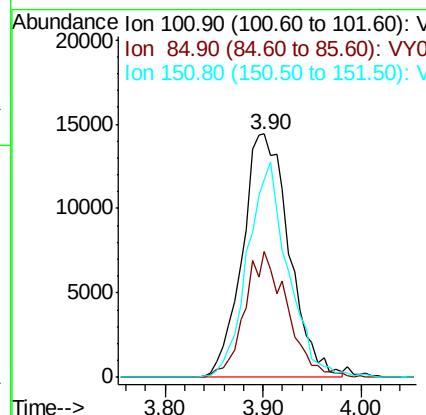
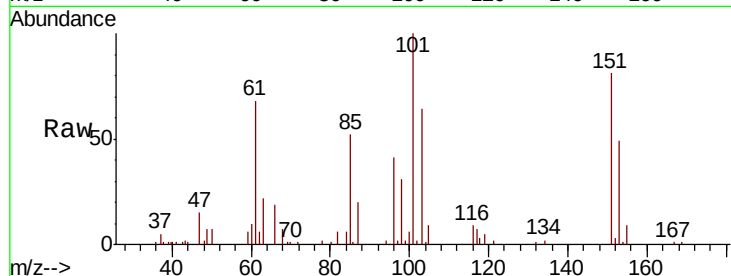
ClientSampleId :

VY1024SBS01

Tot Ion:	101	Resp:	48051
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.6	55.0
151	76.8	63.1	94.7

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#10

Methyl Iodide

Concen: 15.666 ug/l

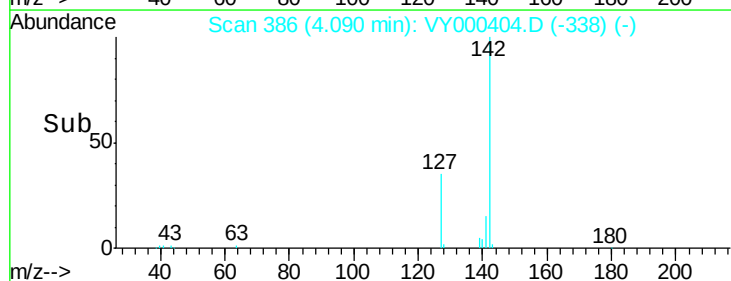
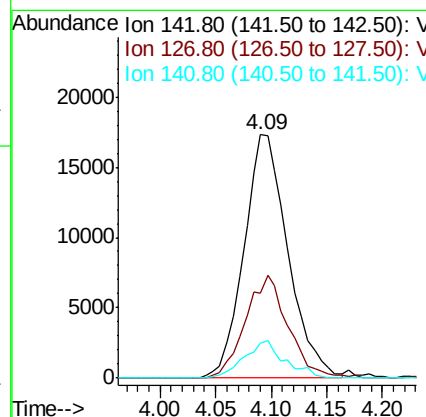
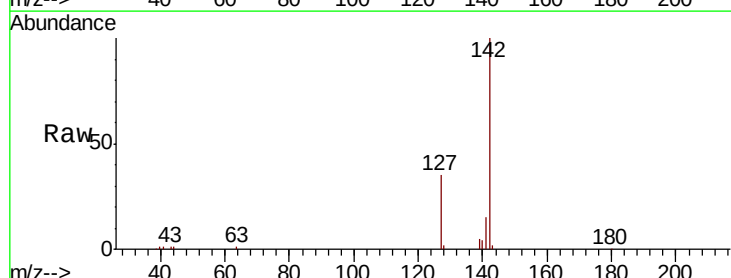
RT: 4.09 min Scan# 386

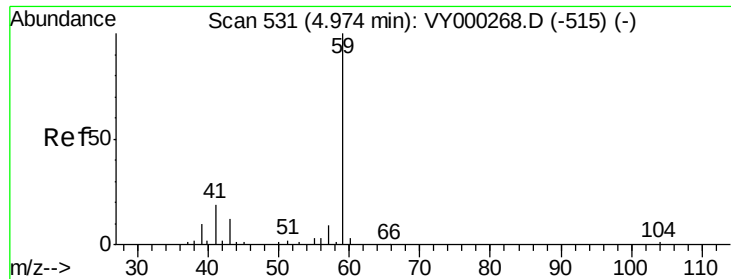
Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	142	Resp:	47481
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.9	50.9
141	14.3	11.2	16.8





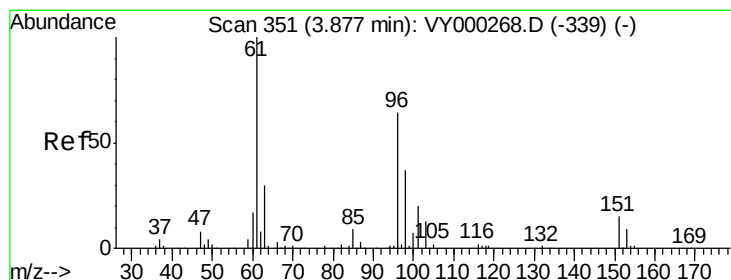
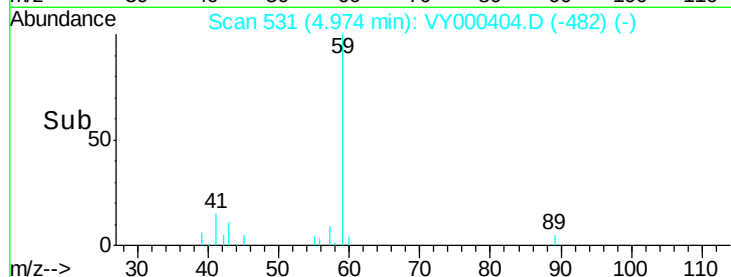
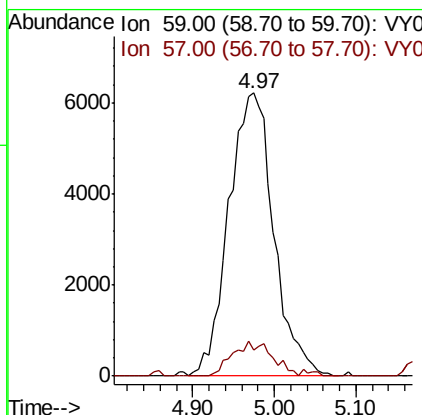
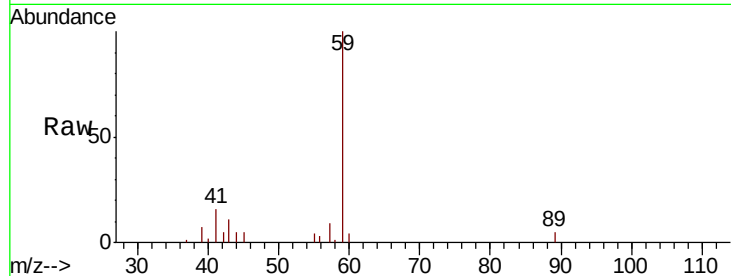
#11
Tert butyl alcohol
Concen: 97.860 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 59 Resp: 23732
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

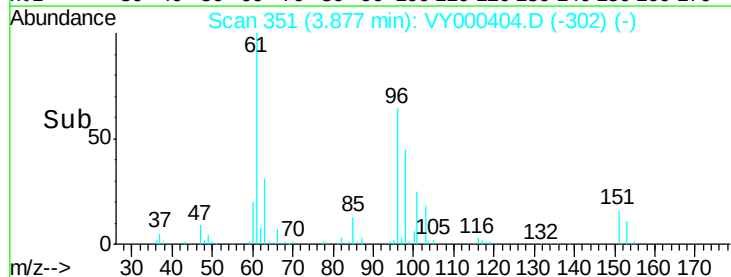
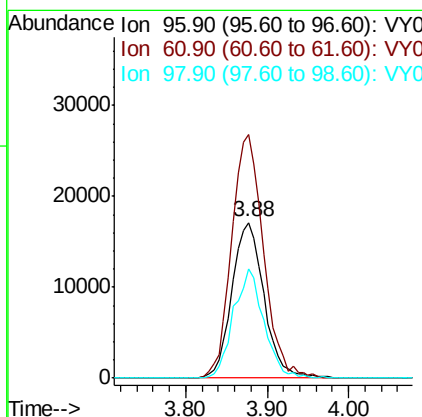
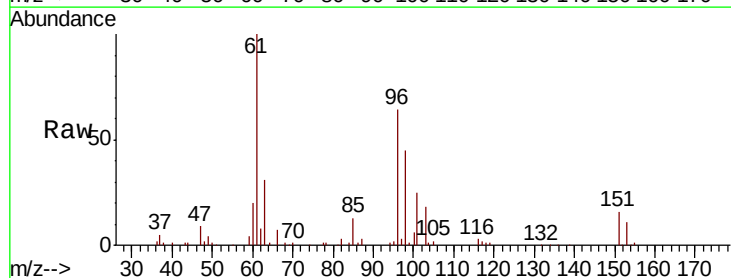
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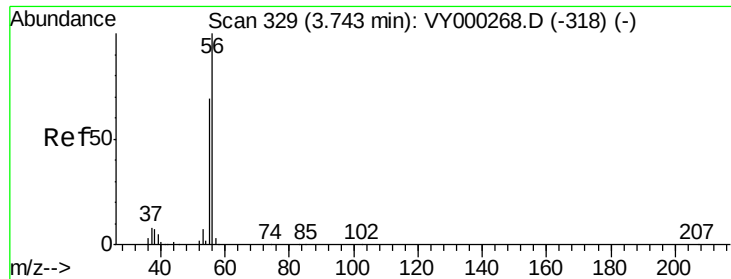
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#12
1,1-Dichloroethene
Concen: 20.952 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion: 96 Resp: 46487
Ion Ratio Lower Upper
96 100
61 156.4 125.8 188.6
98 70.1 46.2 69.2#





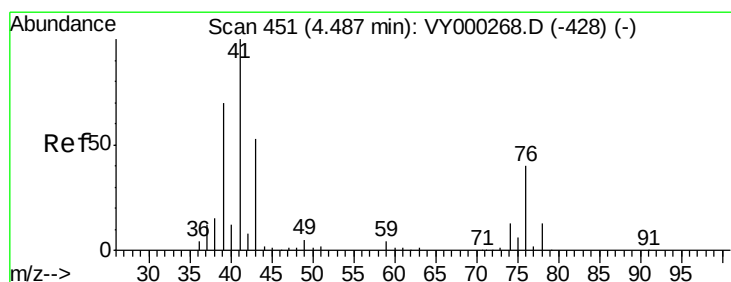
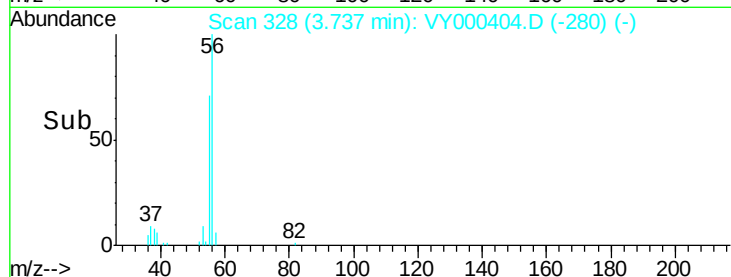
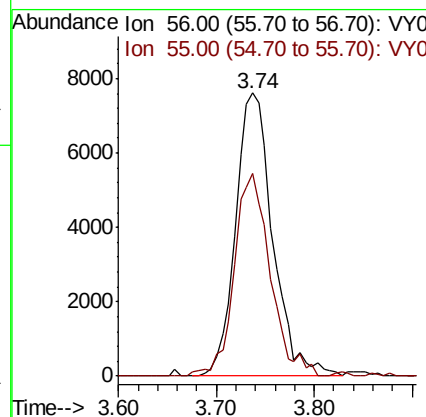
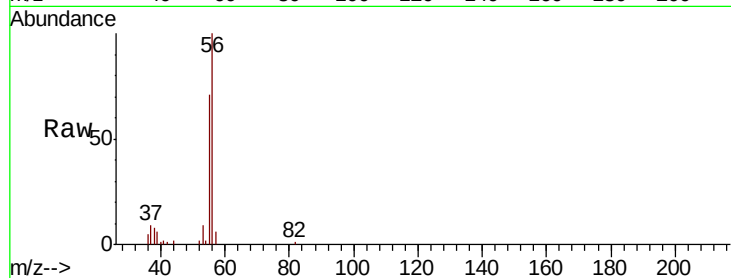
#13
Acrolein
Concen: 70.833 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	56	Resp	20139
Ion Ratio	100	Lower	Upper
55	69.1	55.7	83.5

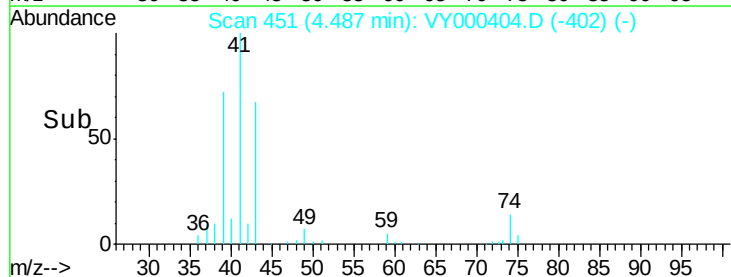
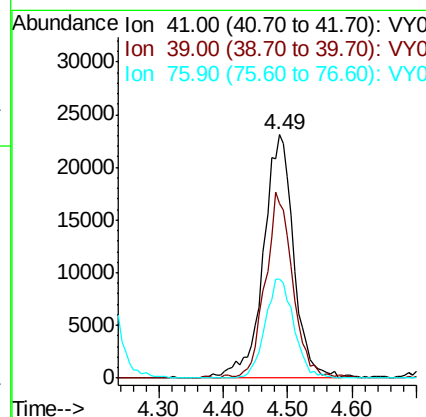
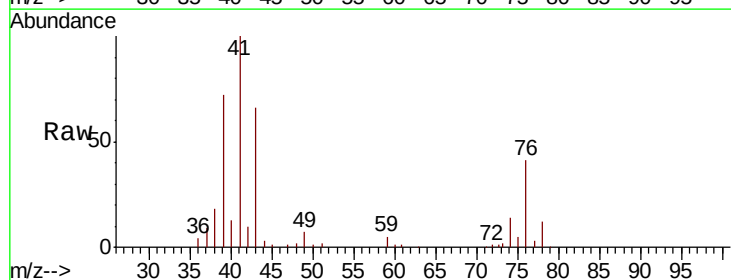
Manual Integrations
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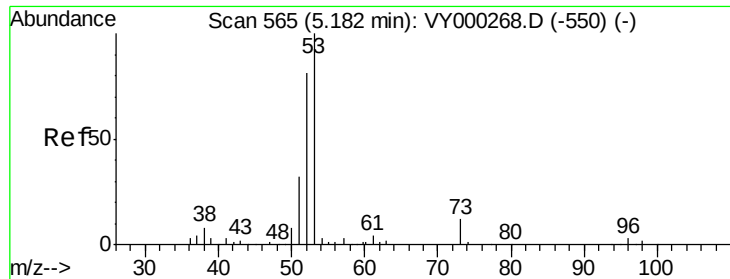
MMDadoda
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#14
Allyl chloride
Concen: 20.452 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	41	Resp	75197
Ion Ratio	100	Lower	Upper
39	69.2	54.0	81.0
76	38.5	30.7	46.1





#15

Acrylonitrile

Concen: 101.965 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

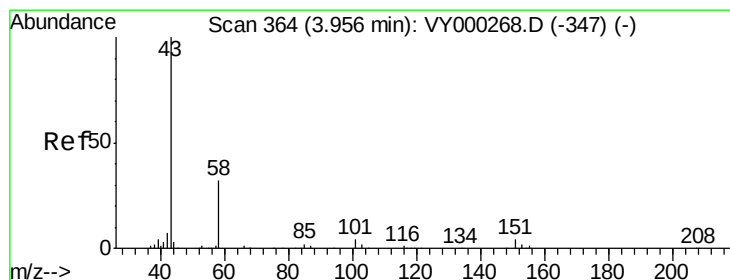
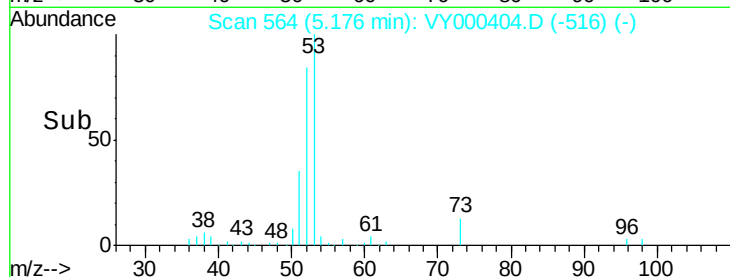
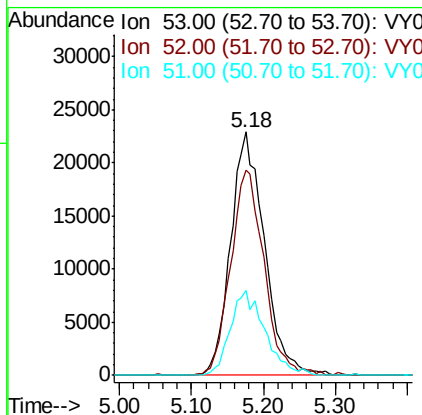
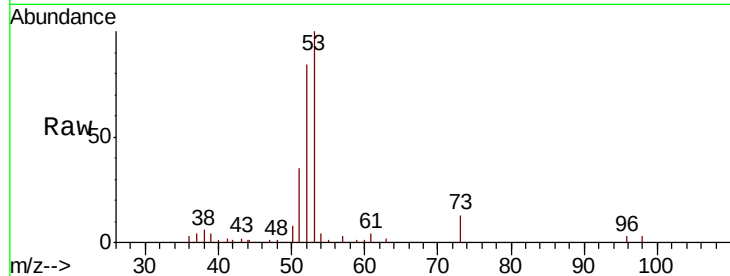
ClientSampleId :

VY1024SBS01

Tot Ion:	53	Resp:	74717
Ion	Ratio	Lower	Upper
53	100		
52	83.7	62.9	94.3
51	35.7	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 96.676 ug/l

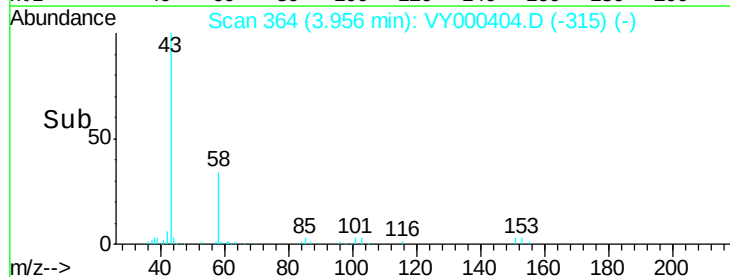
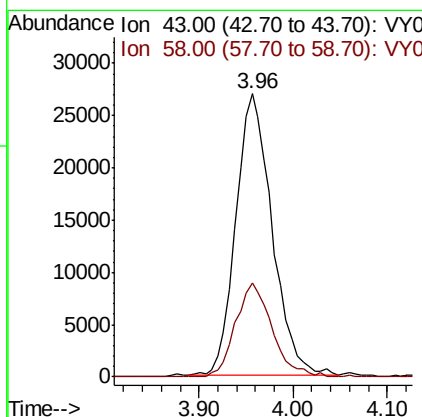
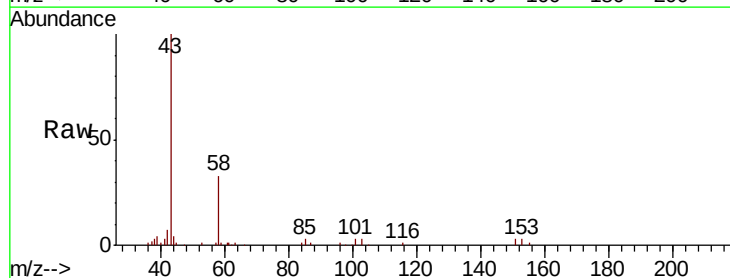
RT: 3.96 min Scan# 364

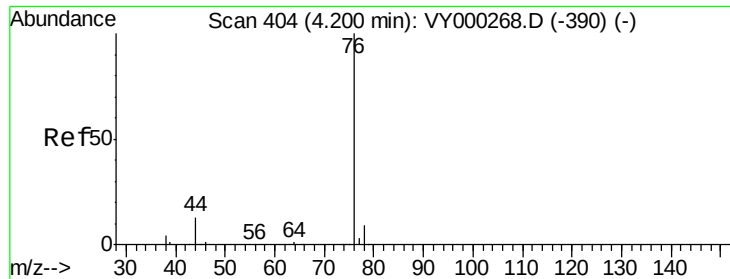
Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	43	Resp:	72550
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.8	38.6





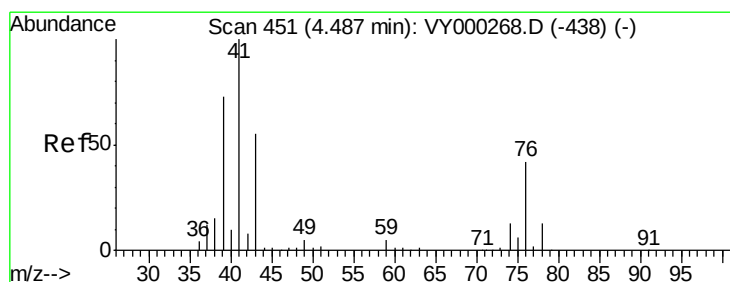
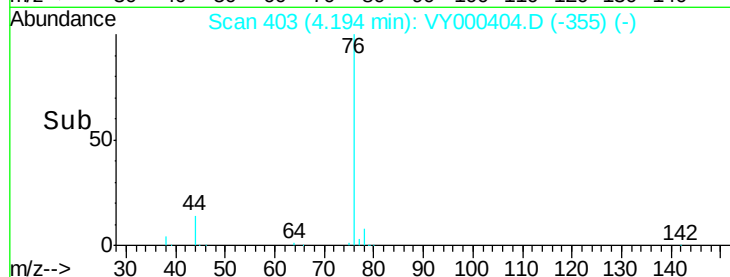
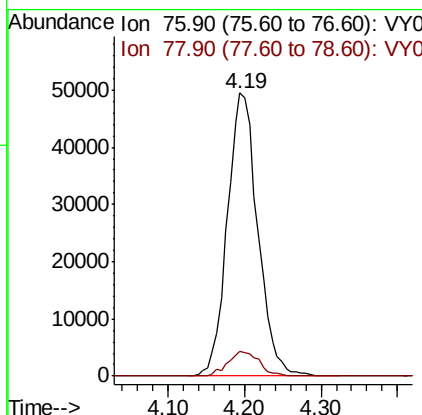
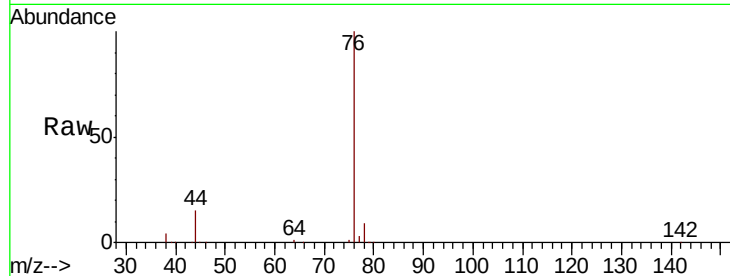
#17
Carbon Disulfide
Concen: 19.518 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

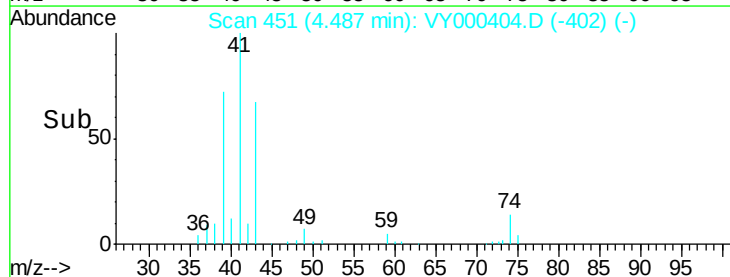
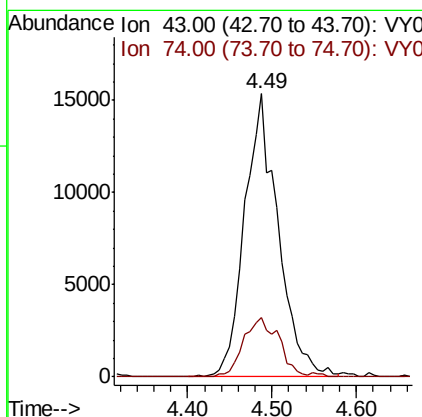
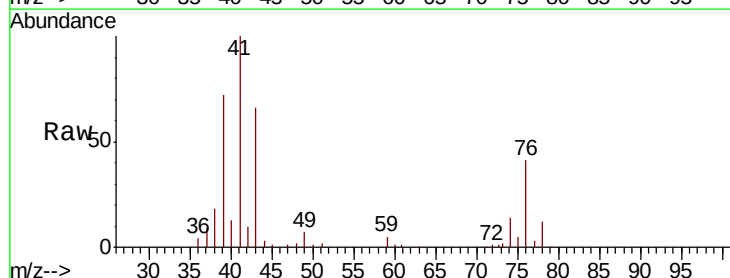
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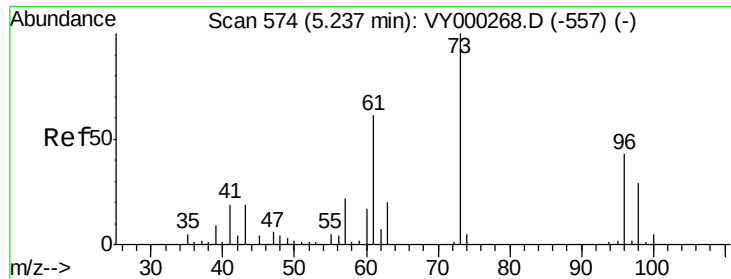
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#18
Methyl Acetate
Concen: 22.274 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	20.4	30.6





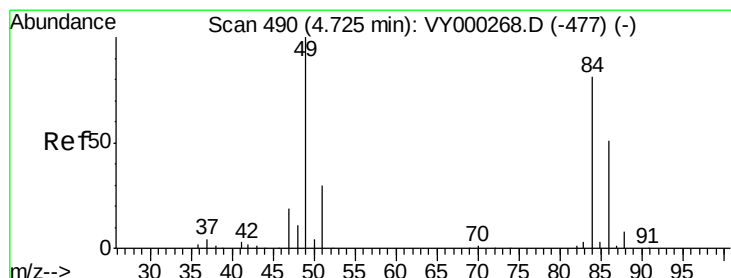
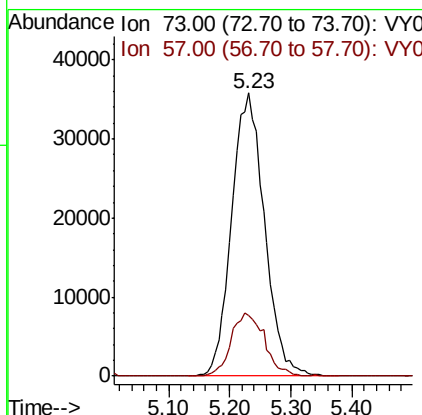
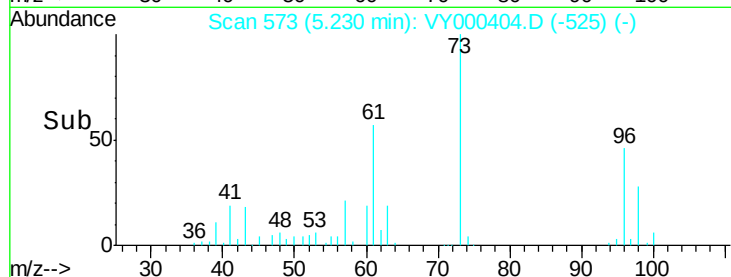
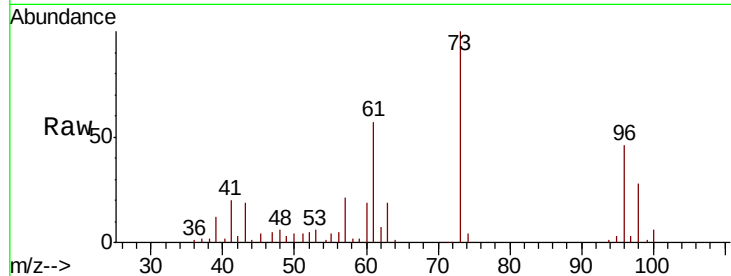
#19
Methyl tert-butyl Ether
Concen: 21.484 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 73 Resp: 132697
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0

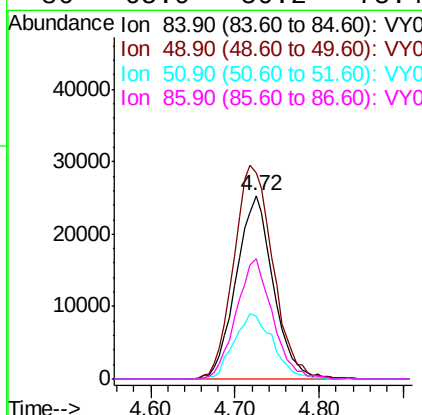
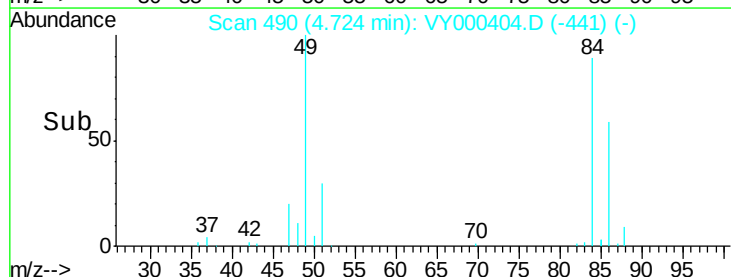
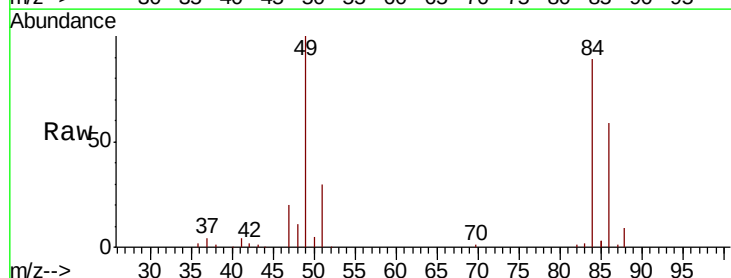
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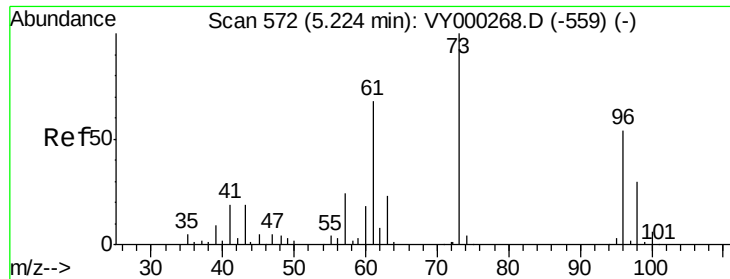
MMDadoda
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#20
Methylene Chloride
Concen: 27.303 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion: 84 Resp: 75276
Ion Ratio Lower Upper
84 100
49 112.5 99.0 148.4
51 34.2 29.3 43.9
86 65.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.920 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

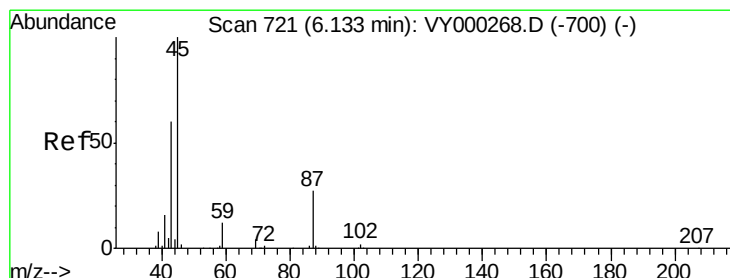
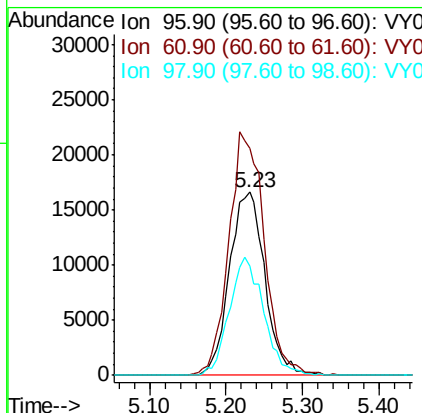
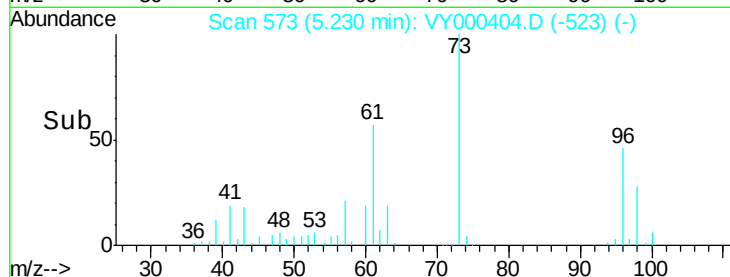
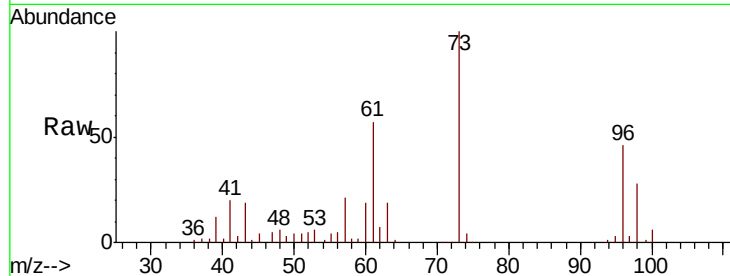
ClientSampleId :

VY1024SBS01

Tot Ion:	96	Resp:	53254
Ion	Ratio	Lower	Upper
96	100		
61	123.9	100.4	150.6
98	59.5	44.6	66.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.532 ug/l

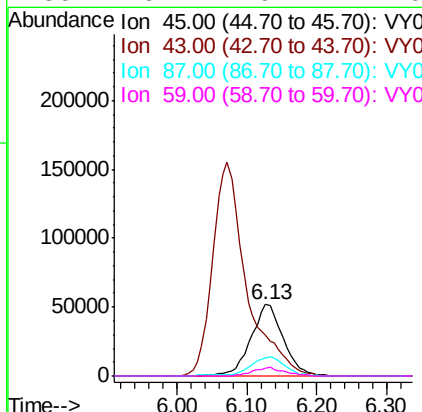
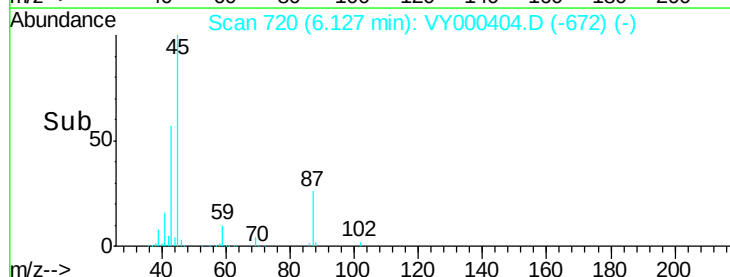
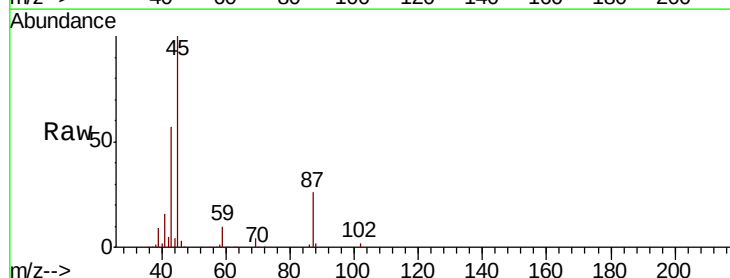
RT: 6.13 min Scan# 720

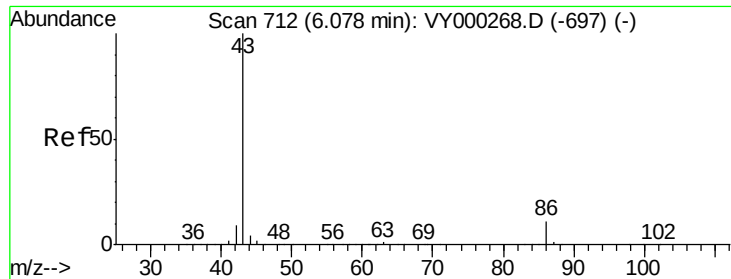
Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	45	Resp:	167443
Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.5	72.7
87	25.7	21.5	32.3
59	10.1	9.4	14.0





#23

Vinyl Acetate

Concen: 102.622 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 43 Resp: 520639

Ion Ratio Lower Upper

43 100

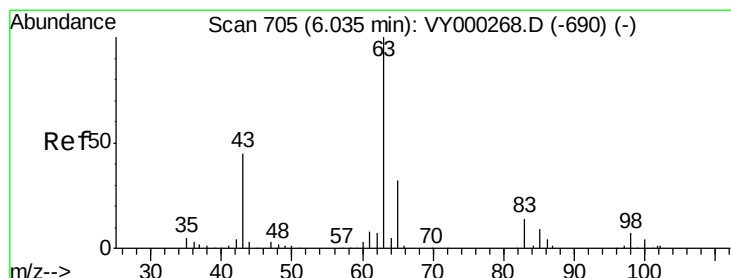
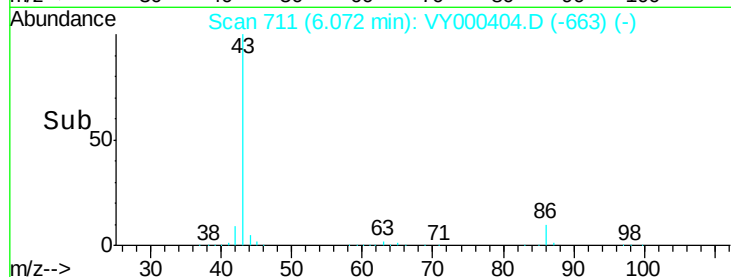
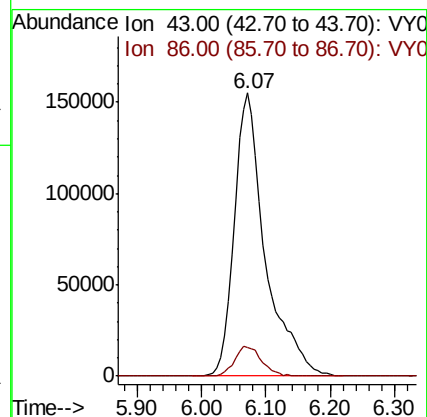
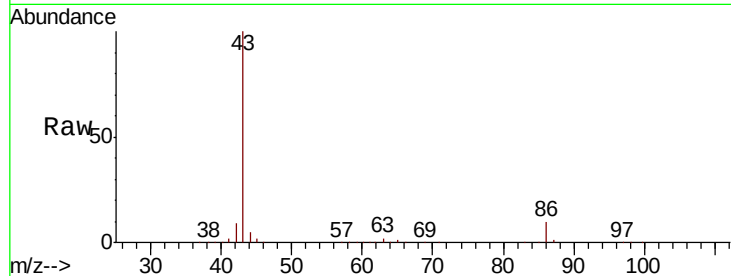
86 10.2 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 21.146 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

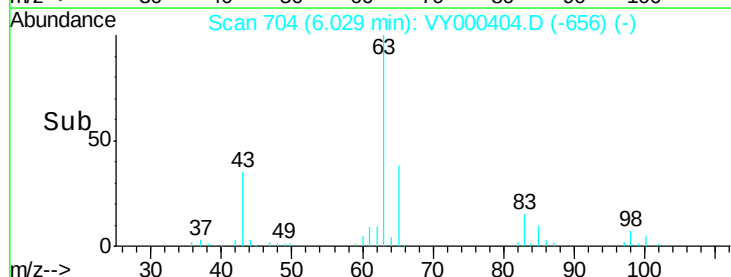
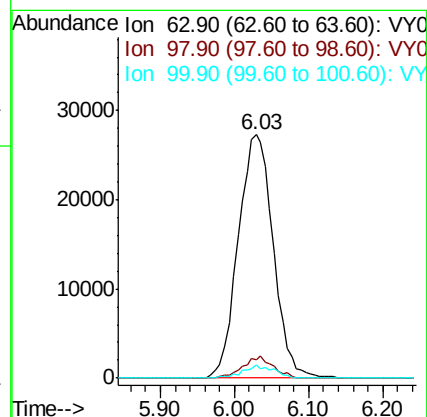
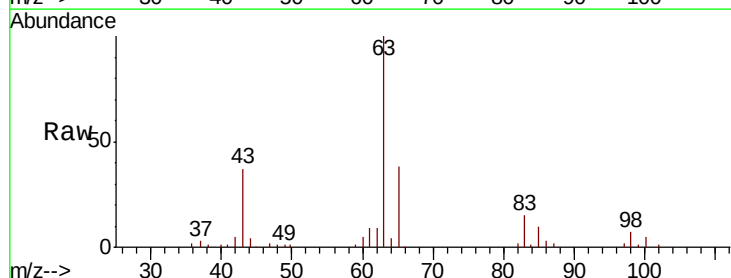
Tgt Ion: 63 Resp: 89762

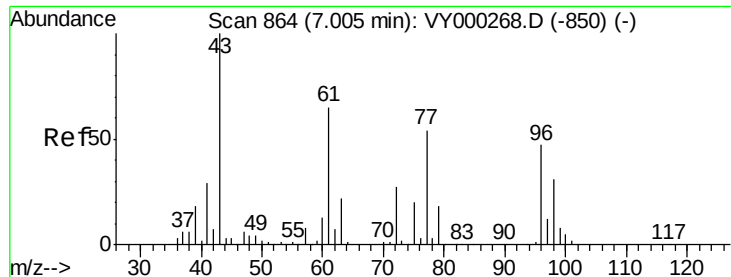
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 5.3 2.1 6.2





#25

2-Butanone

Concen: 100.078 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 43 Resp: 105796

Ion Ratio Lower Upper

43 100

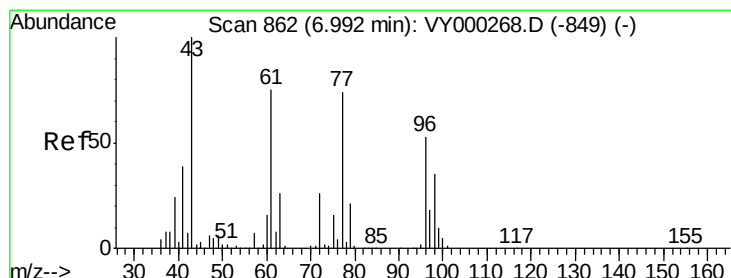
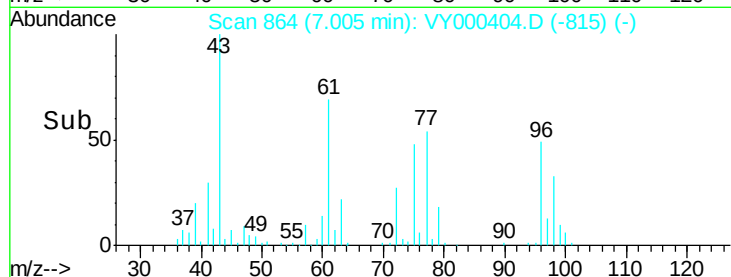
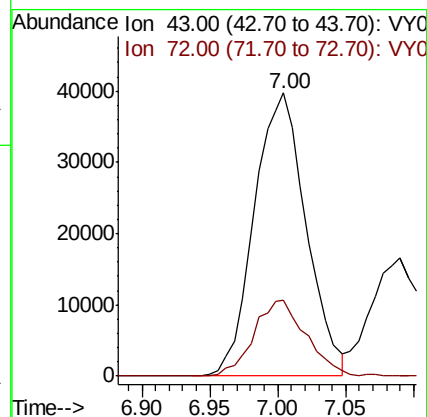
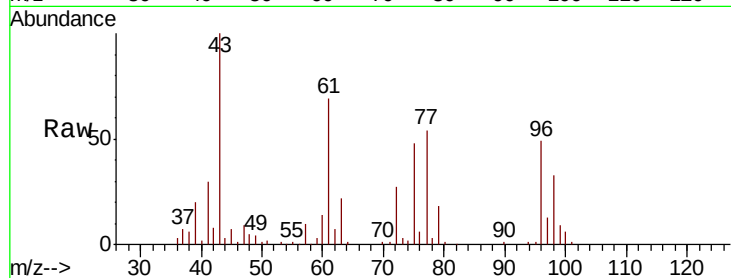
72 26.9 21.4 32.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.308 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000404.D

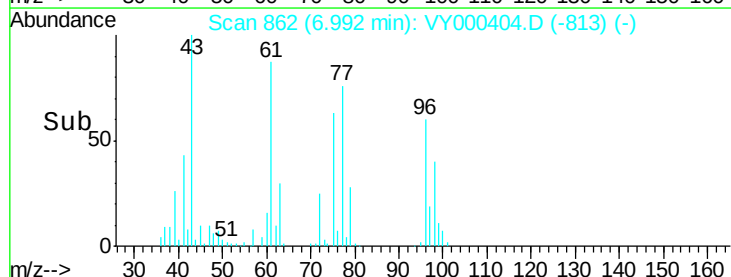
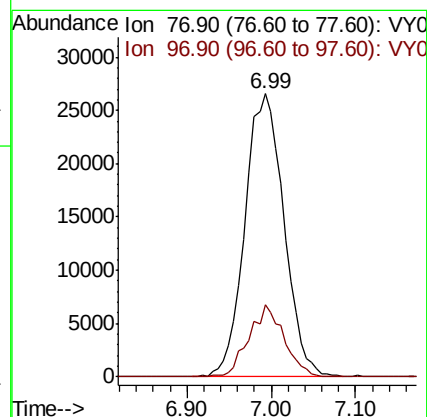
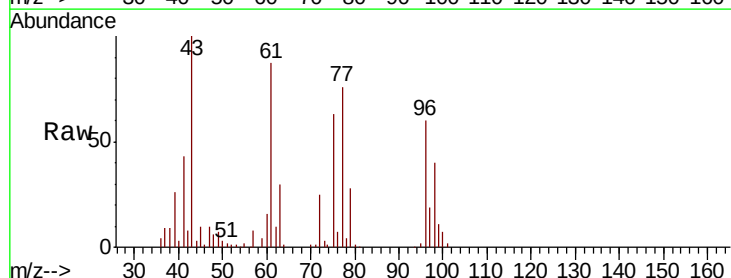
Acq: 24 Oct 2019 13:09

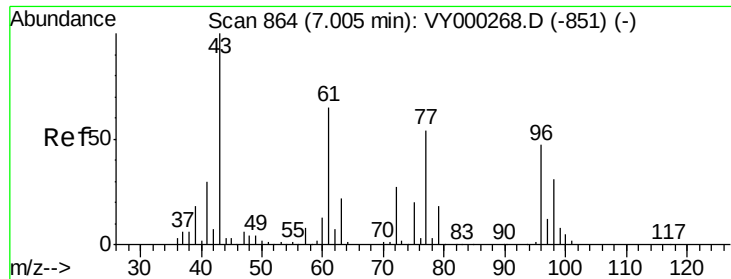
Tgt Ion: 77 Resp: 83343

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7





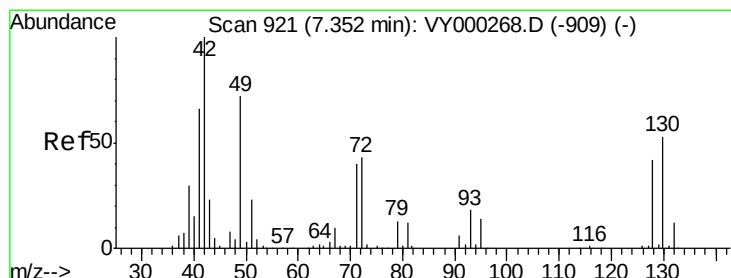
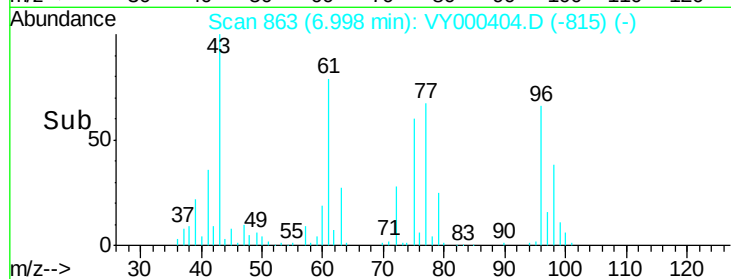
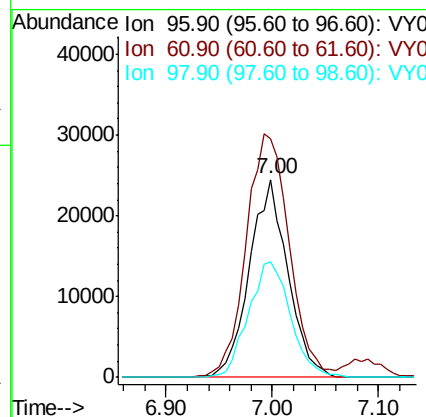
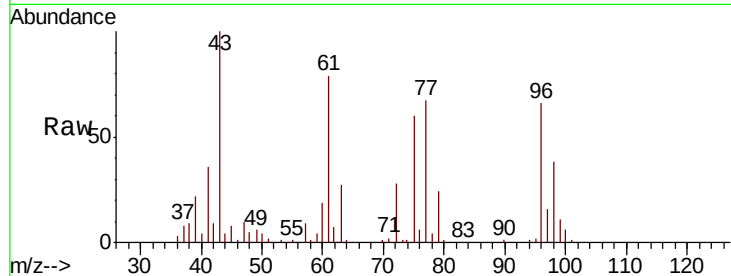
#27
 cis-1,2-Dichloroethene
 Concen: 22.513 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	289.8
98	63.7	0.0	131.8

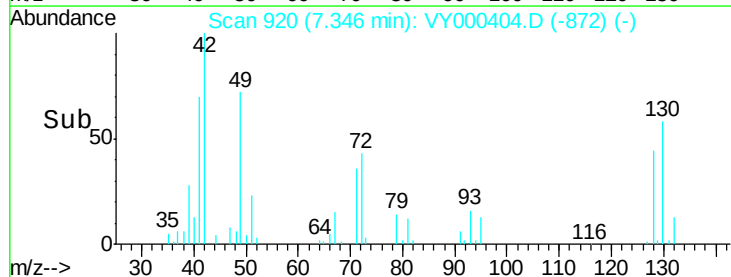
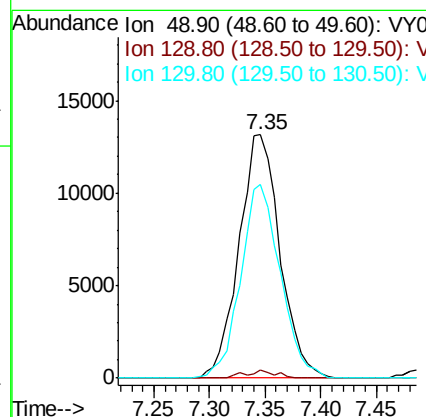
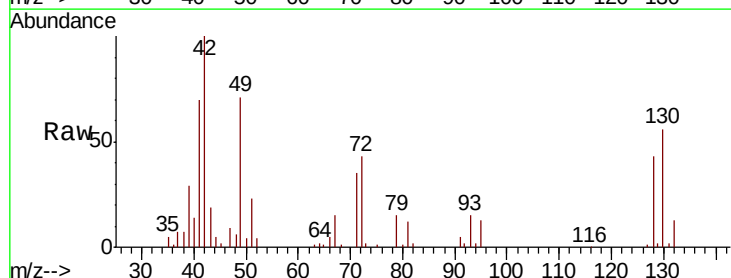
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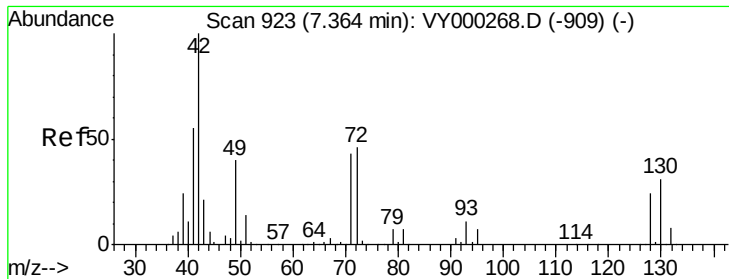
MMDadoda
 10/25/2019 4:46:27 PM



#28
 Bromochloromethane
 Concen: 18.435 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	77.3	58.2	87.2





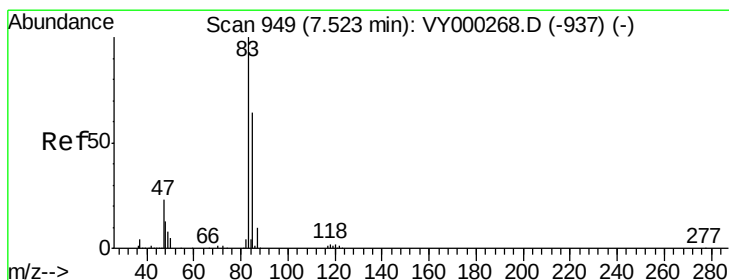
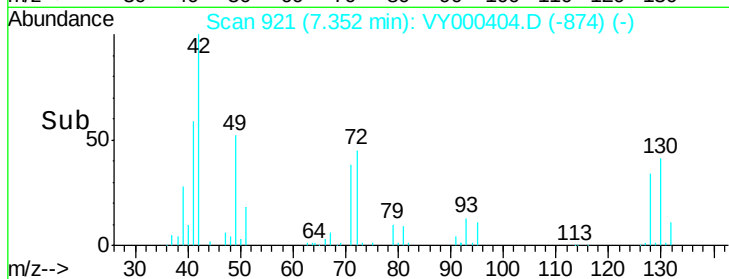
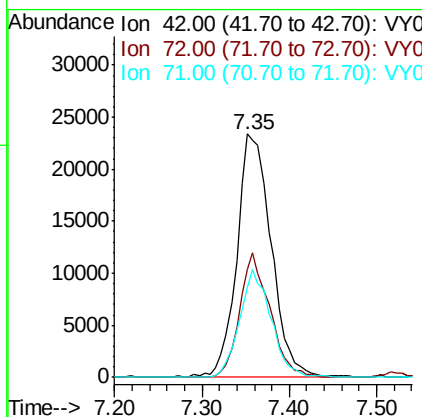
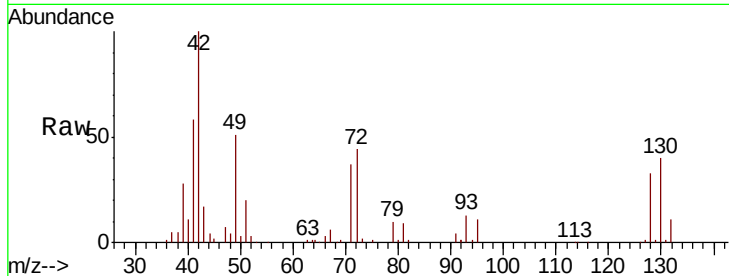
#29
Tetrahydrofuran
Concen: 99.551 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	40.6	32.7	49.1

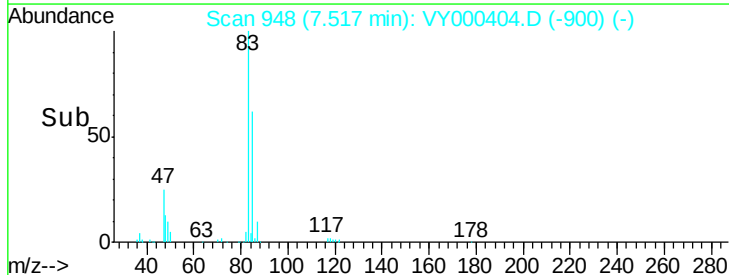
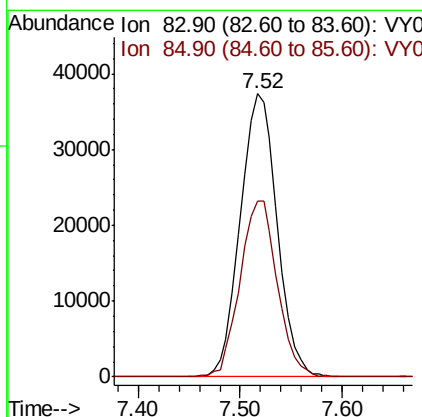
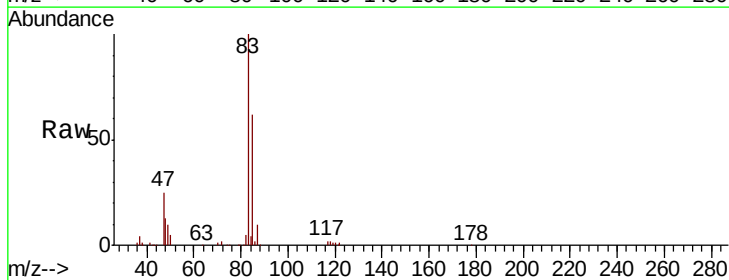
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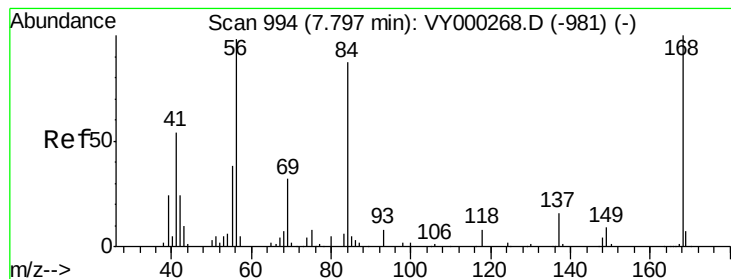
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#30
Chloroform
Concen: 21.922 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2





#31

Cyclohexane

Concen: 21.409 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

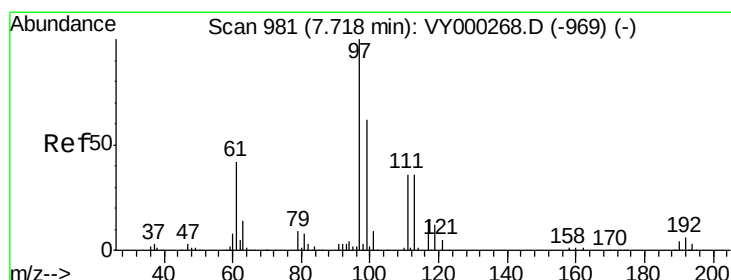
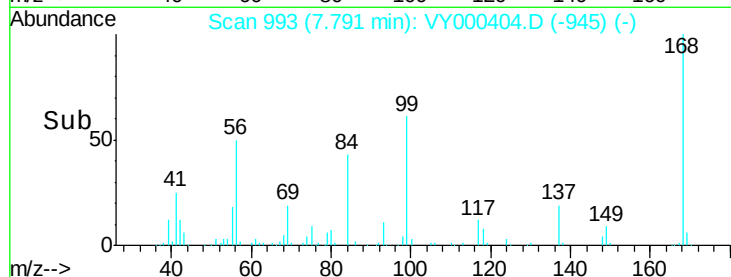
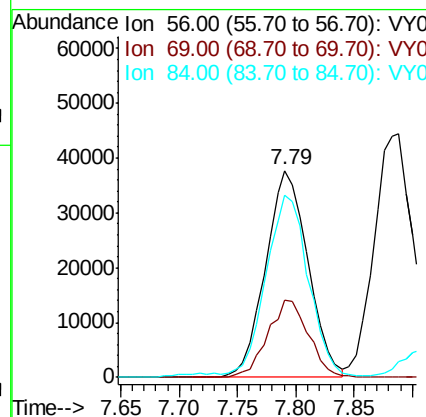
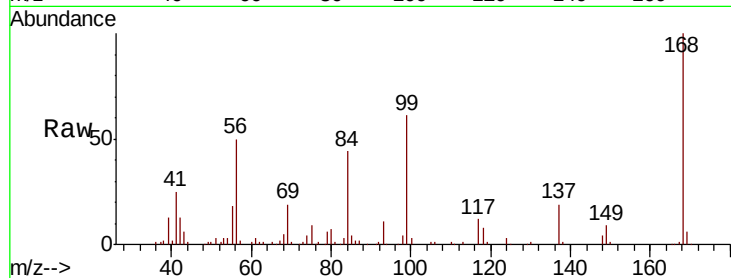
ClientSampleId :

VY1024SBS01

Tot Ion:	56	Resp:	94914
Ion	Ratio	Lower	Upper
56	100		
69	37.5	26.3	39.5
84	86.6	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 22.325 ug/l

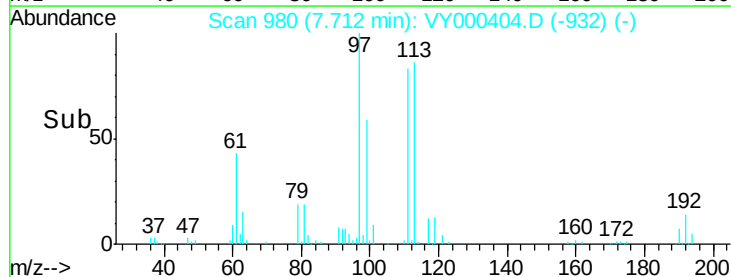
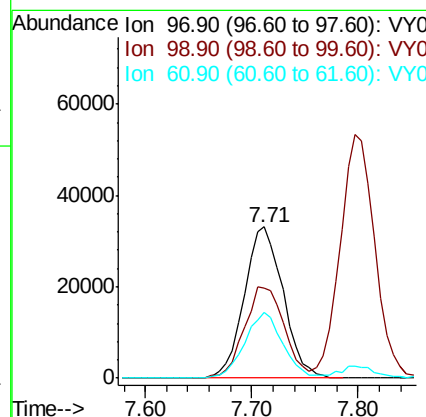
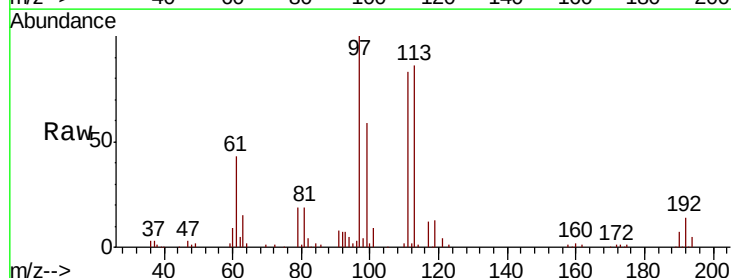
RT: 7.71 min Scan# 980

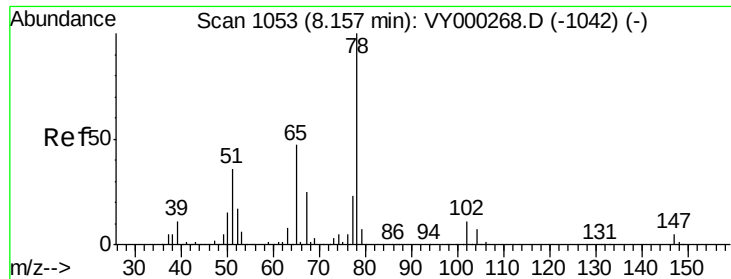
Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	97	Resp:	84847
Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.7	77.5
61	42.2	34.5	51.7





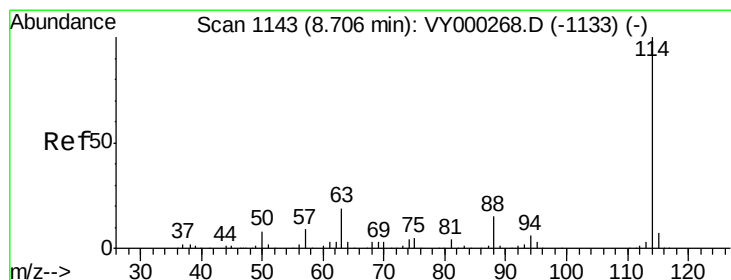
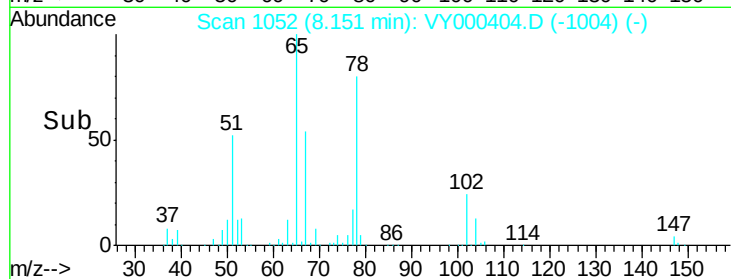
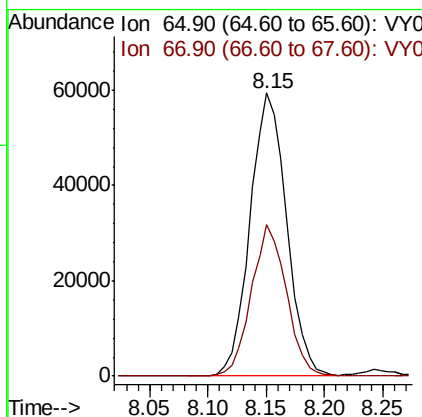
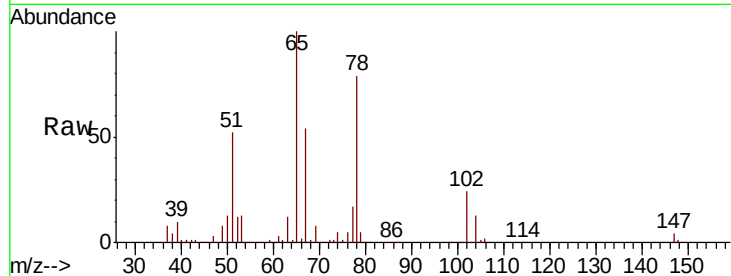
#33
 1,2-Dichloroethane-d4
 Concen: 56.136 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	109.4	

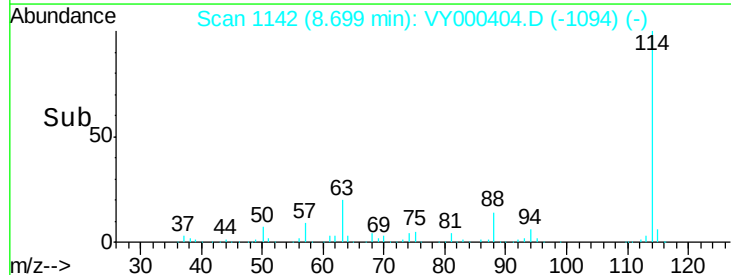
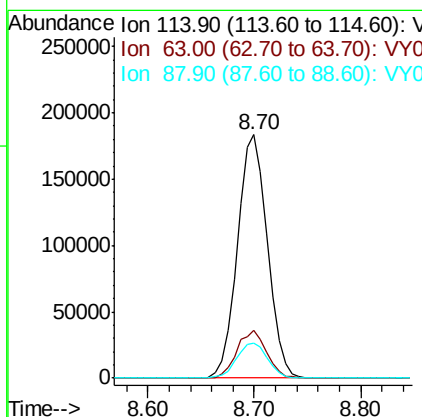
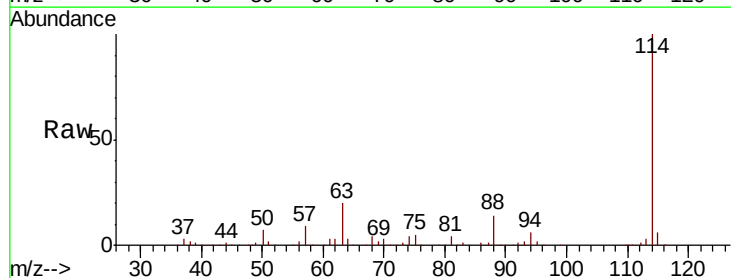
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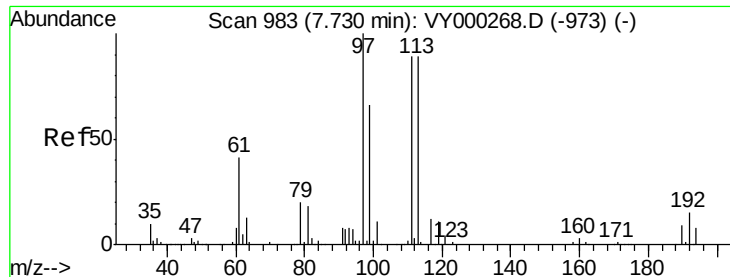
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	37.2	
88	14.3	0.0	30.2	





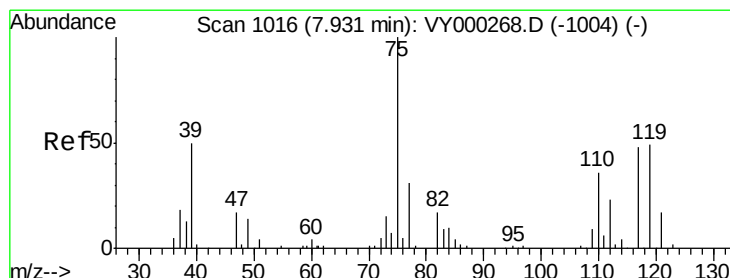
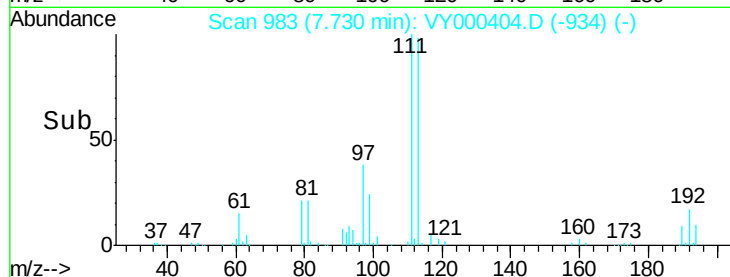
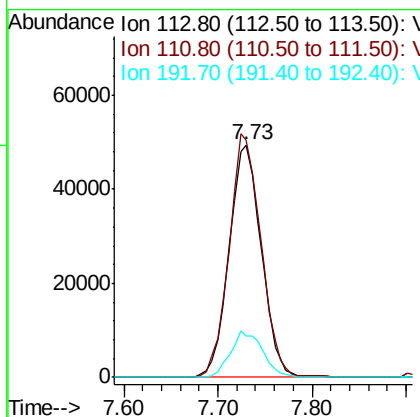
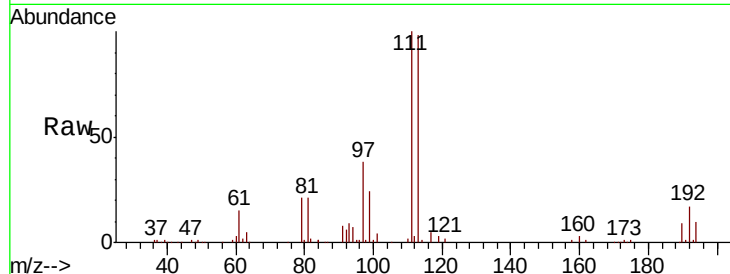
#35
 Dibromofluoromethane
 Concen: 53.776 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	19.6	15.3	22.9

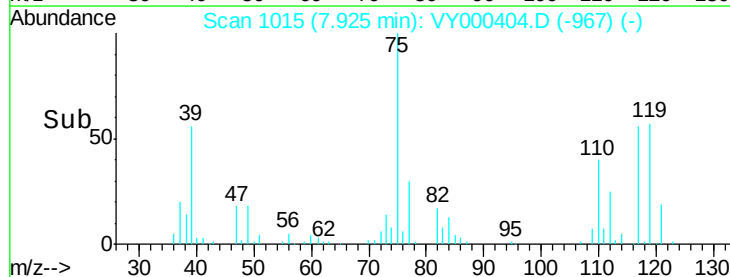
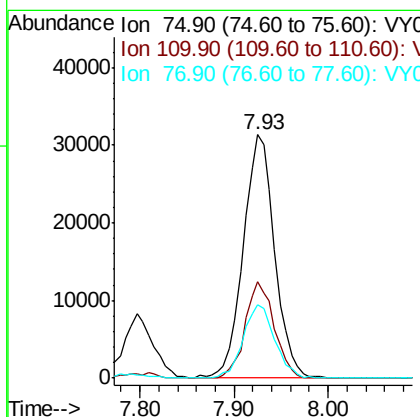
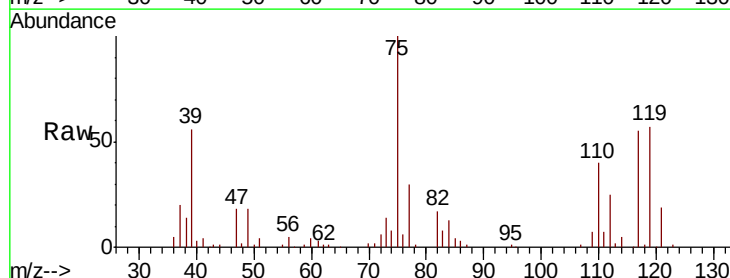
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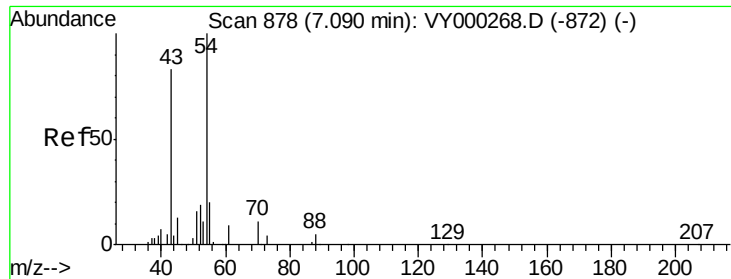
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#36
 1,1-Dichloropropene
 Concen: 20.660 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.4
77	30.4	25.0	37.6





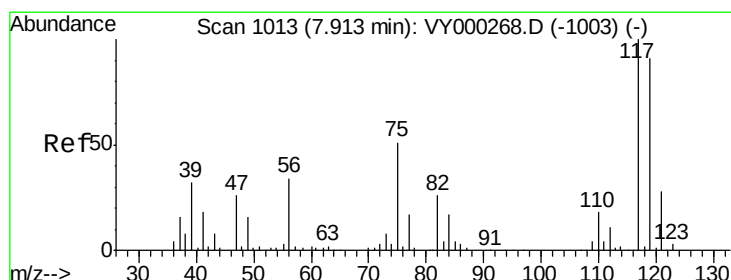
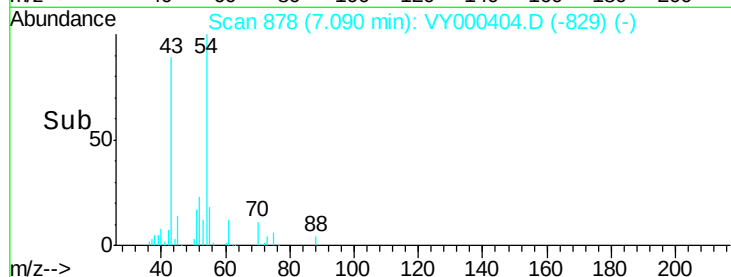
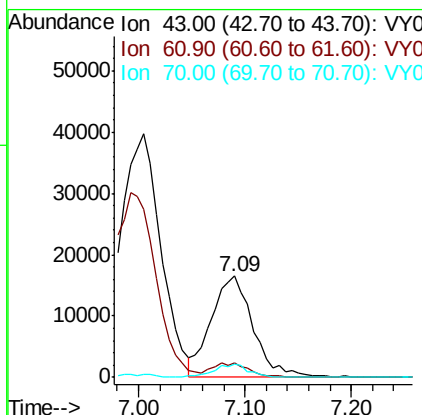
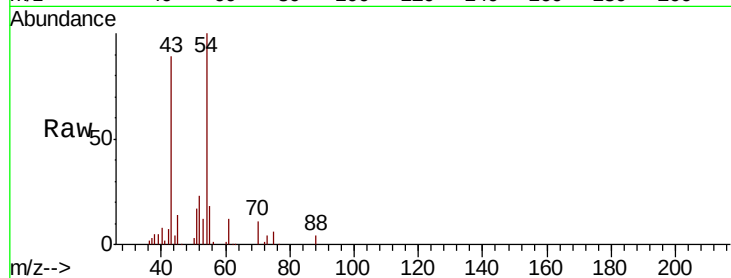
#37
Ethyl Acetate
Concen: 21.180 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.1	18.1
70	10.7	8.7	13.1

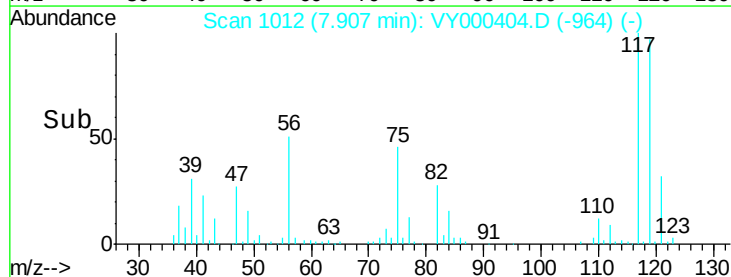
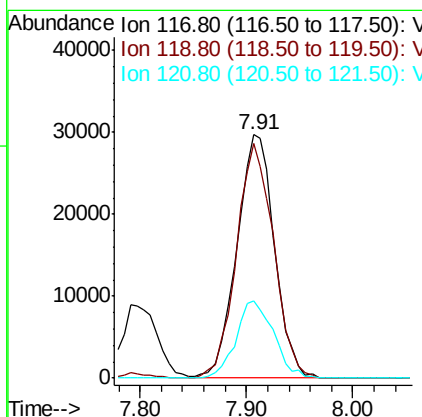
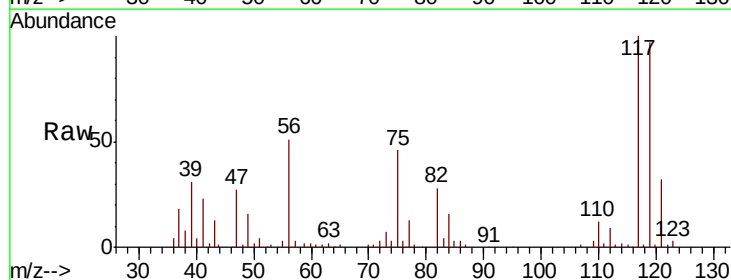
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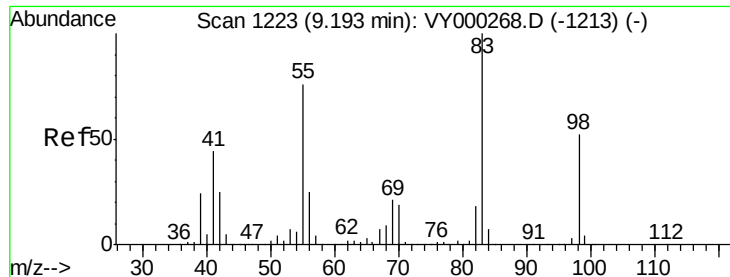
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#38
Carbon Tetrachloride
Concen: 21.442 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	72.8	109.2
121	31.6	22.2	33.2





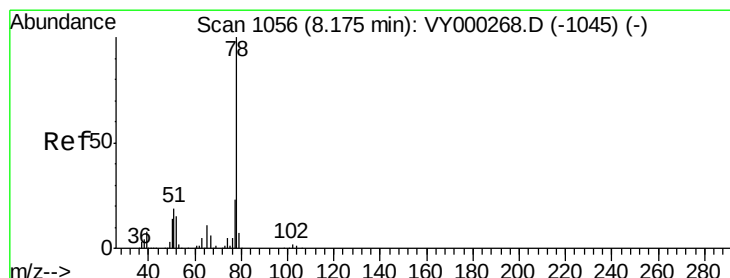
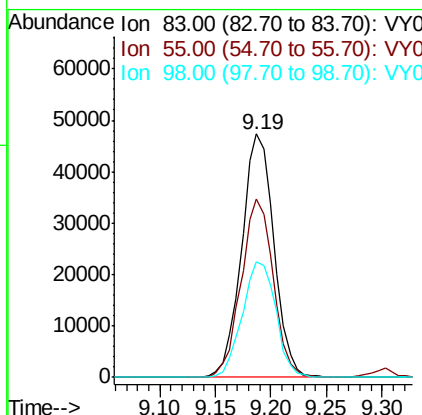
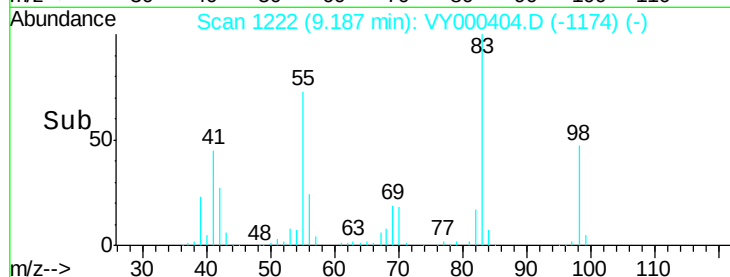
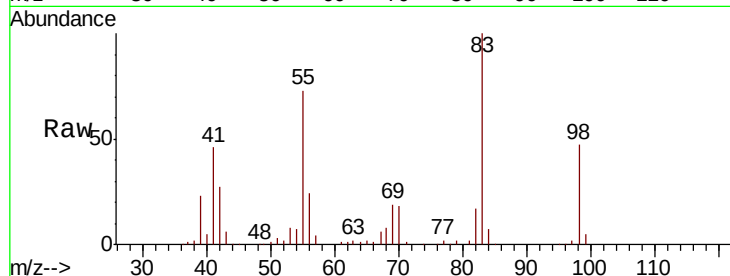
#39
Methylvlcyclohexane
Concen: 20.620 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	60.9	91.3
98	47.3	41.8	62.6

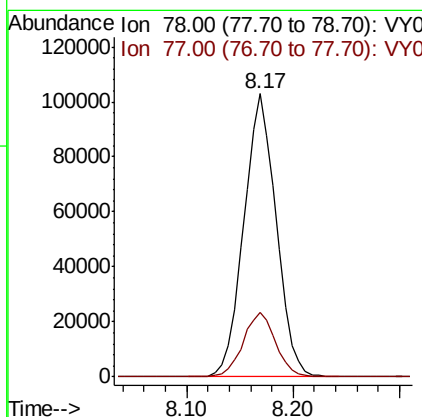
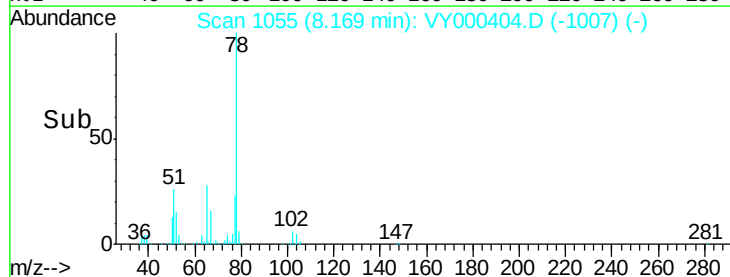
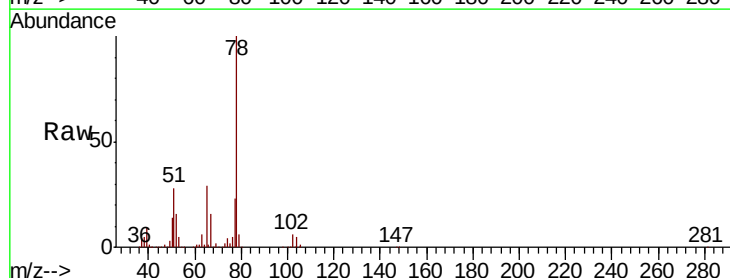
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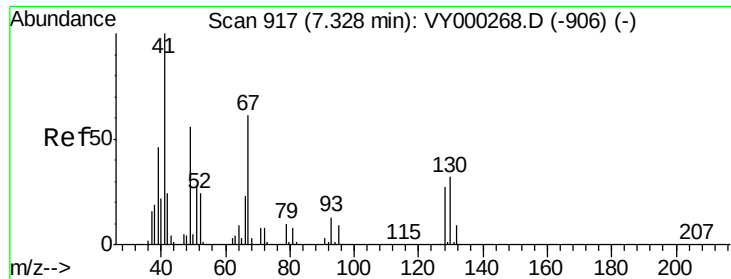
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#40
Benzene
Concen: 21.459 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





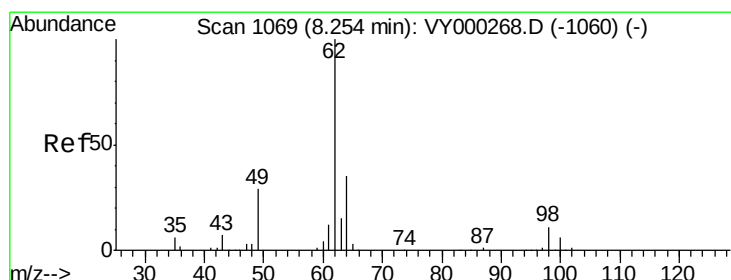
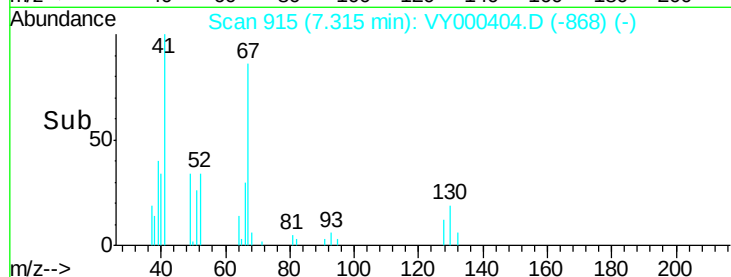
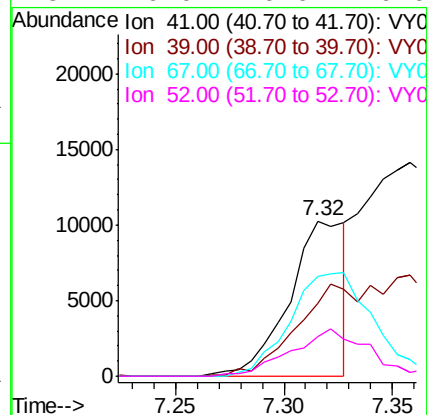
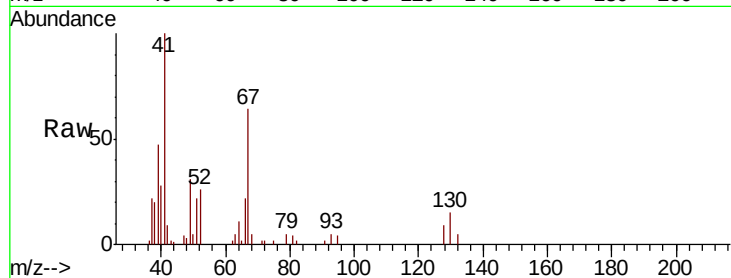
#41
Methacrylonitrile
Concen: 18.799 ug/l m
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	110.2	165.2#	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

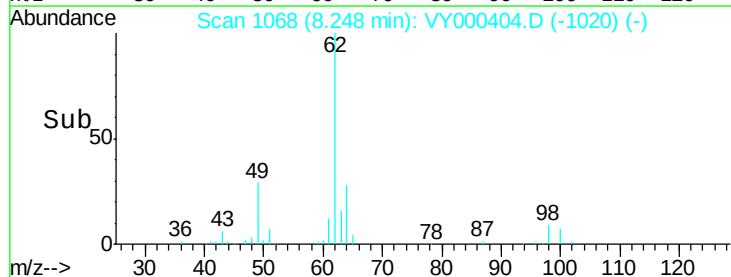
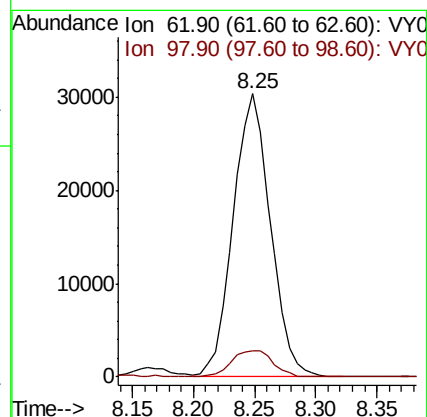
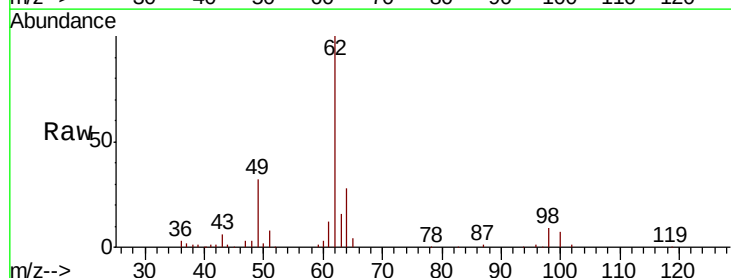
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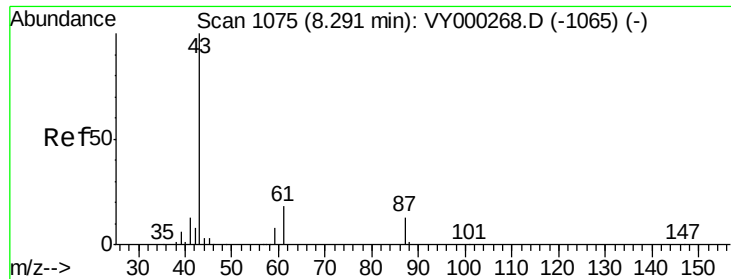
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#42
1,2-Dichloroethane
Concen: 21.971 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.675 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

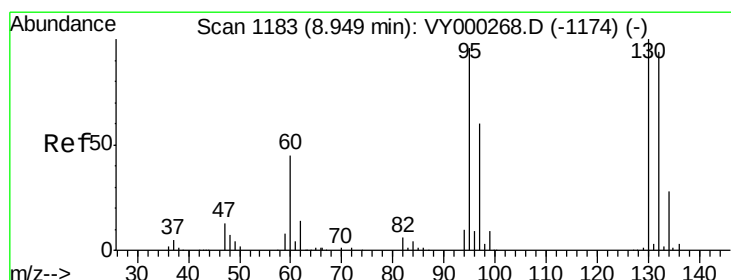
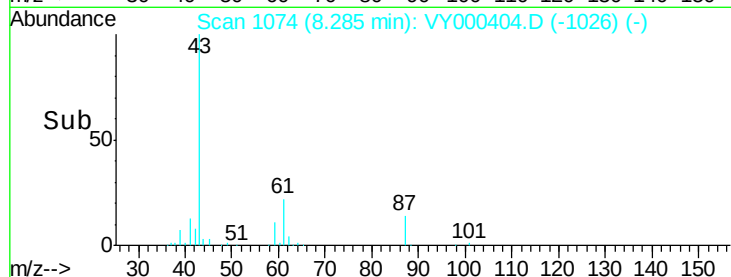
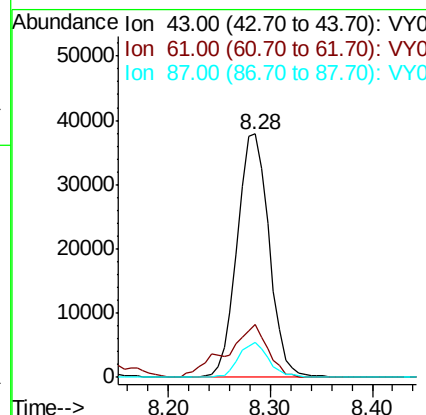
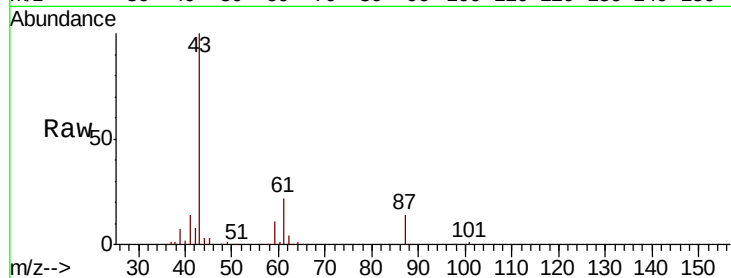
ClientSampleId :

VY1024SBS01

Tot Ion:	43	Resp:	82439
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.3	33.5
87	13.4	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 21.313 ug/l

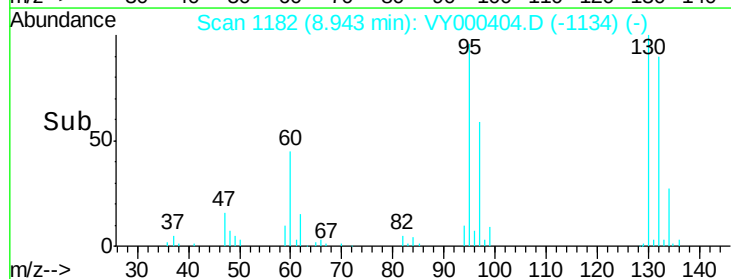
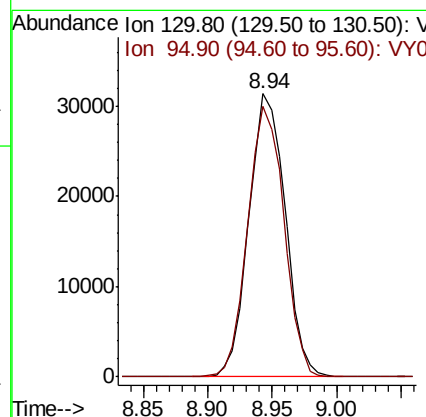
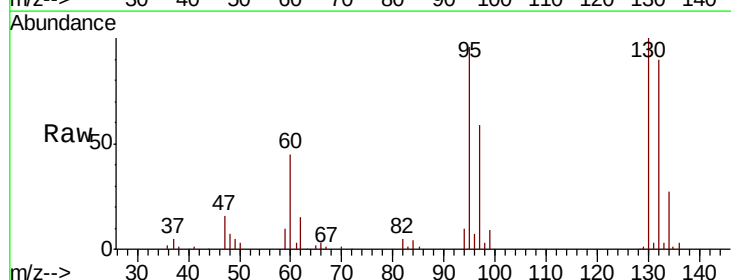
RT: 8.94 min Scan# 1182

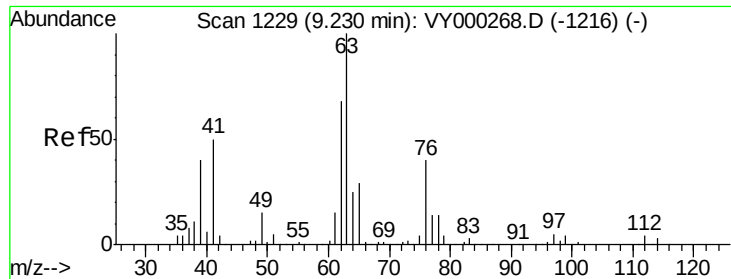
Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	130	Resp:	61206
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.4





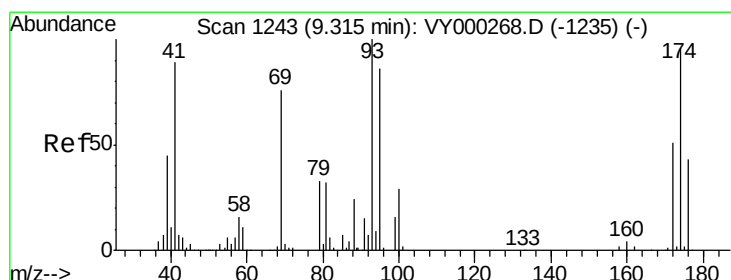
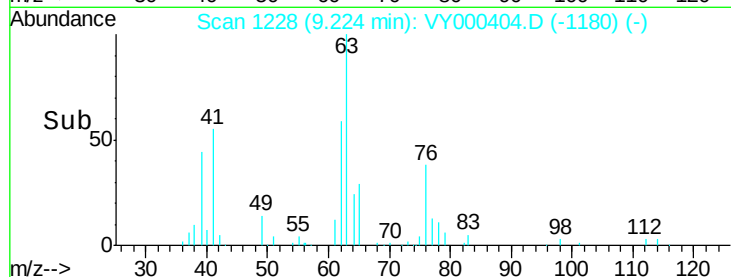
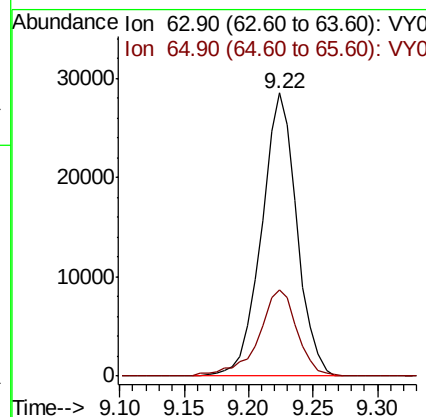
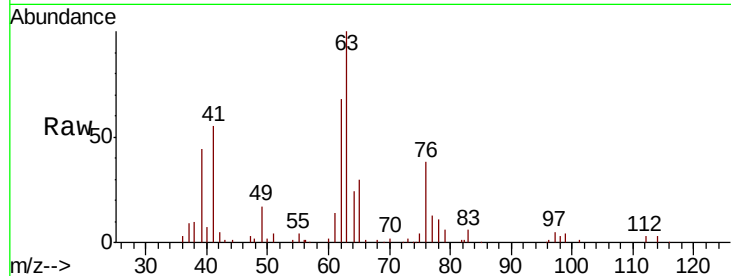
#45
 1,2-Dichloropropane
 Concen: 21.485 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.2	34.8

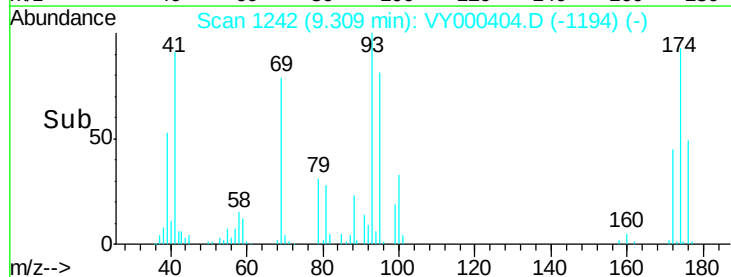
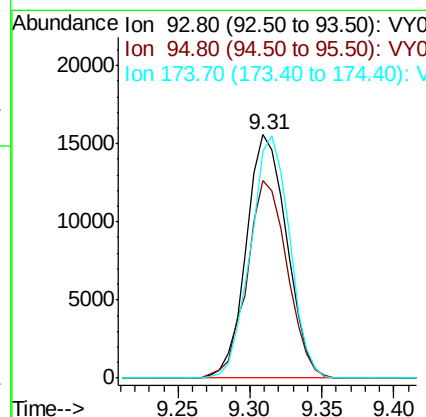
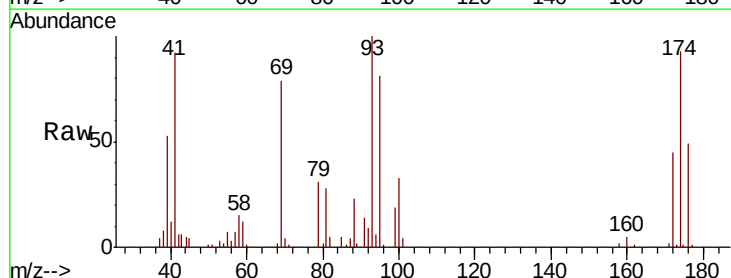
Manual Integrations
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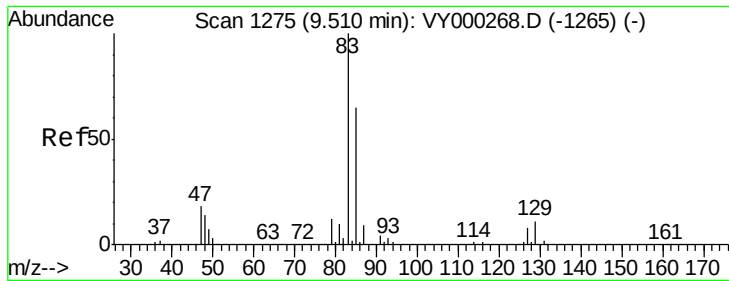
MMDadoda
 10/25/2019 4:46:27 PM



#46
 Dibromomethane
 Concen: 21.542 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	68.2	102.2
174	96.0	79.8	119.6





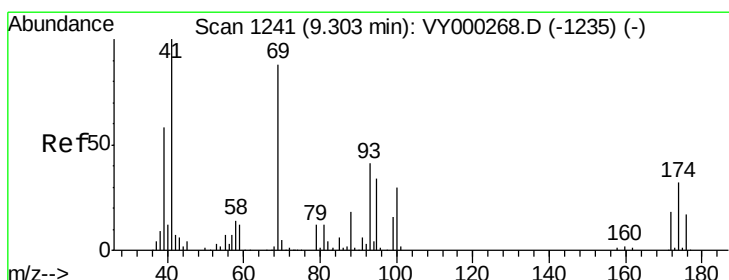
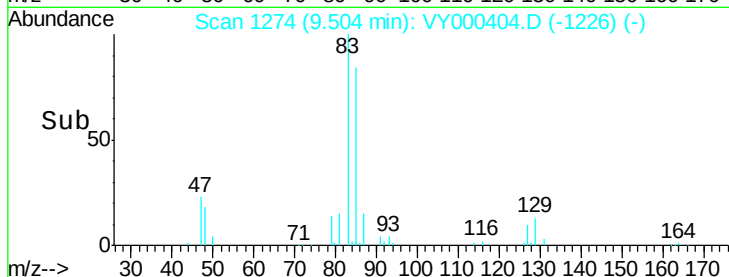
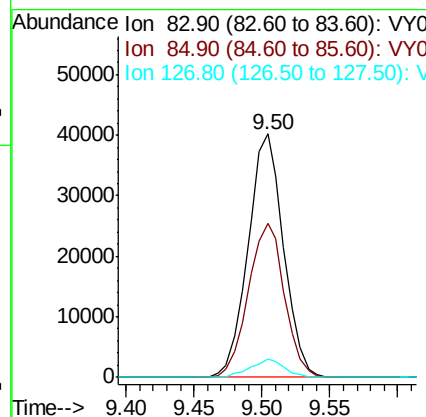
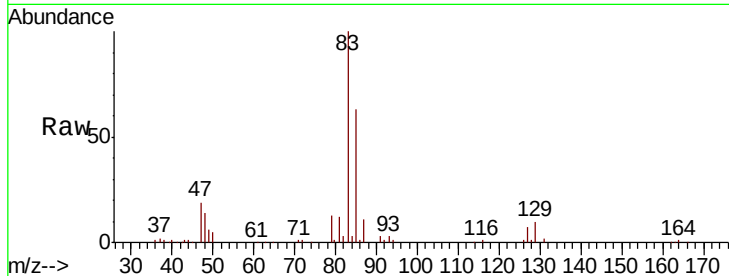
#47
Bromodichloromethane
Concen: 22.090 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	83	Resp	73095
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	52.2	78.2
127	7.4	6.3	9.5

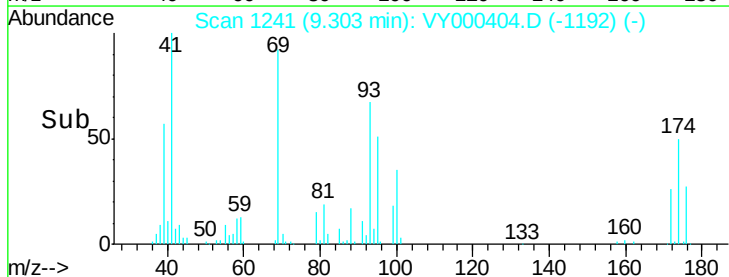
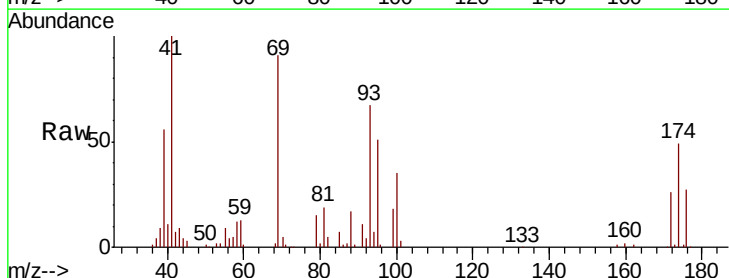
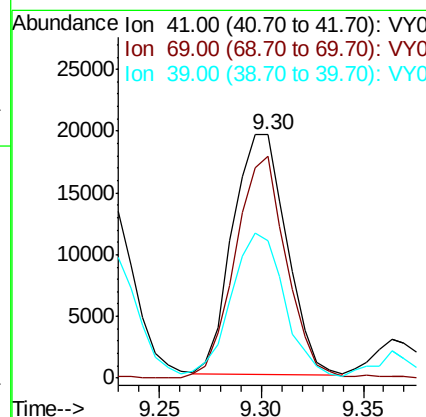
Manual Integrations
APPROVED

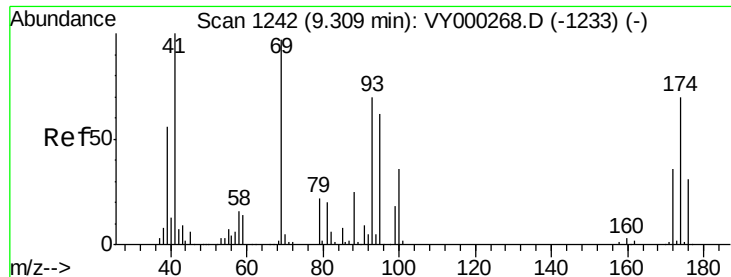
MMDadoda
10/25/2019 4:46:27 PM



#48
Methyl methacrylate
Concen: 20.432 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	41	Resp	35704
Ion Ratio	100	Lower	Upper
41	100		
69	87.5	70.0	105.0
39	60.5	47.7	71.5





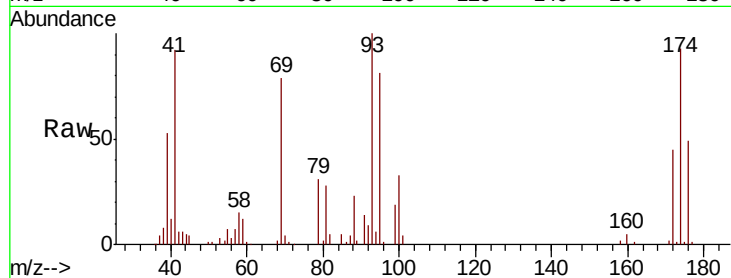
#49
1,4-Dioxane
Concen: 393.255 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	25.6	38.4
58	67.7	54.6	81.8

Manual Integrations
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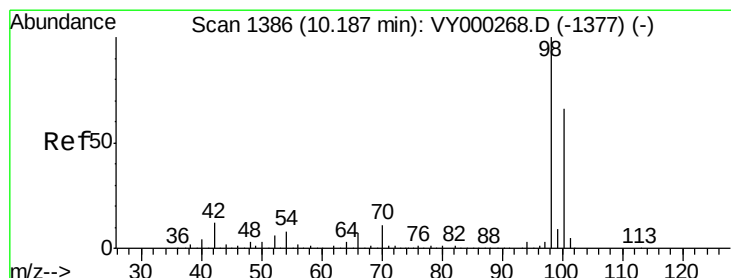
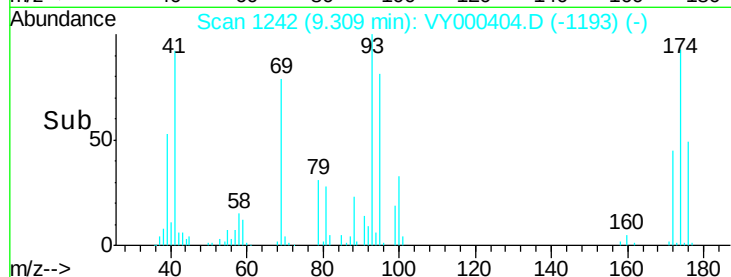
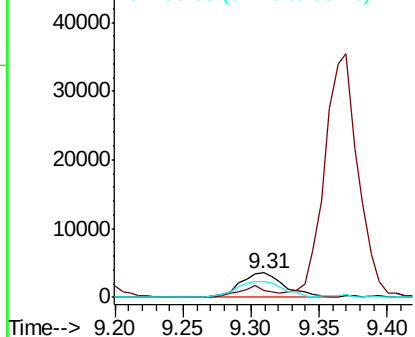


Abundance

Ion 88.00 (87.70 to 88.70): VY0

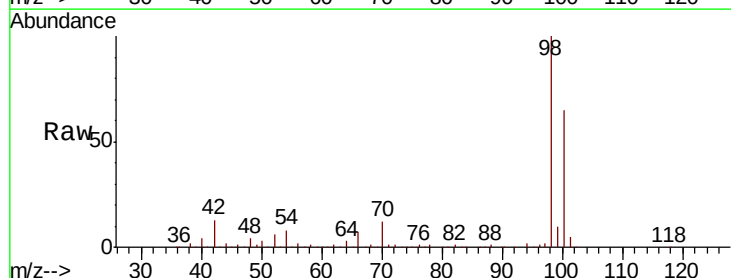
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 55.691 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

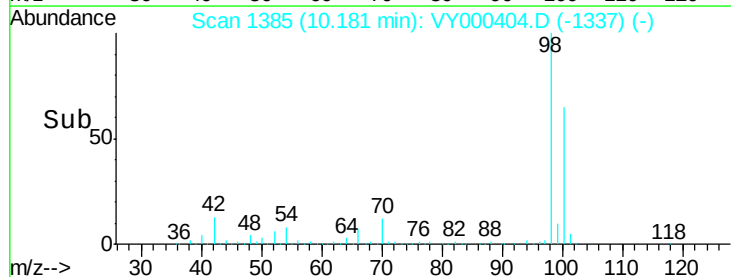
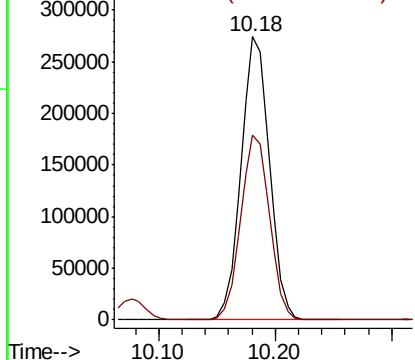
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2

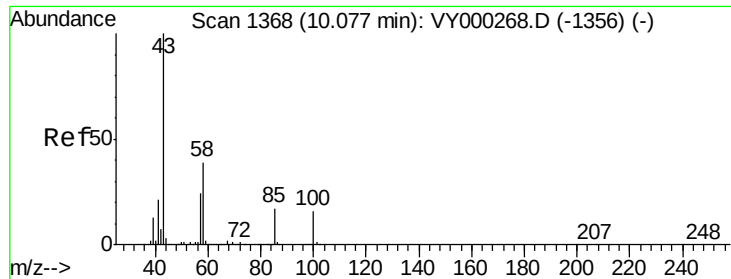


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 106.198 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 43 Resp: 218407

Ion Ratio Lower Upper

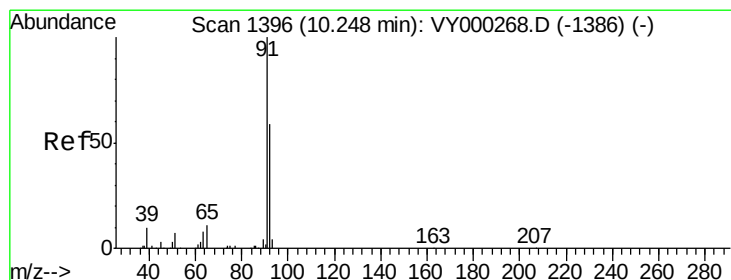
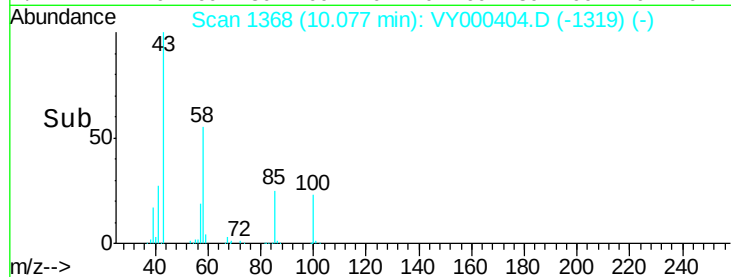
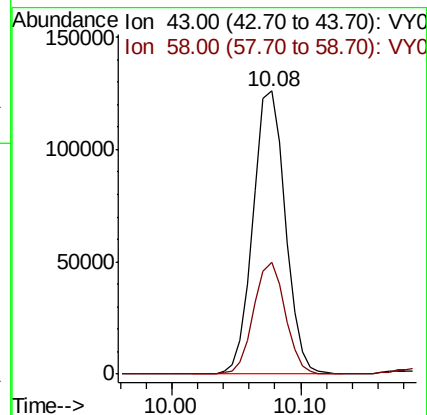
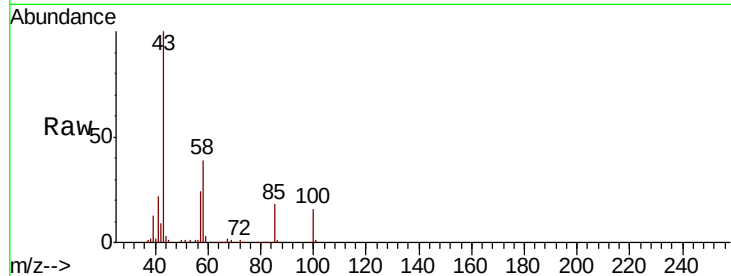
43 100

58 38.7 31.0 46.6

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#52

Toluene

Concen: 21.103 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000404.D

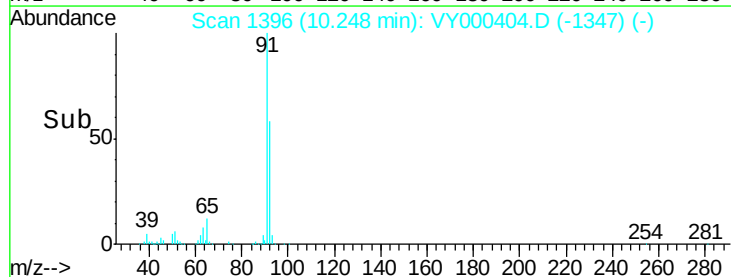
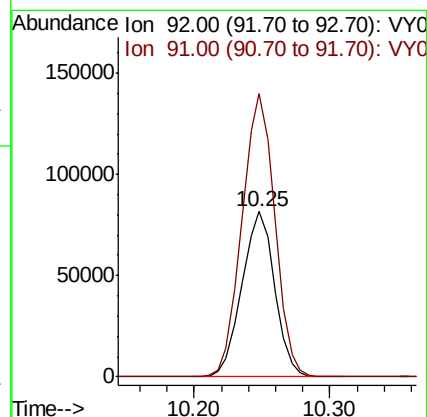
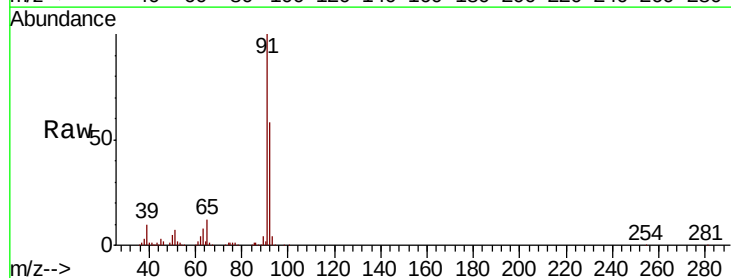
Acq: 24 Oct 2019 13:09

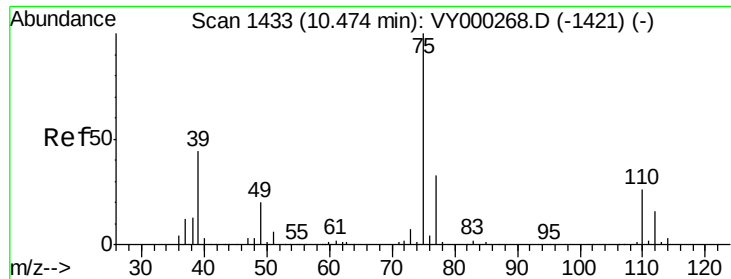
Tgt Ion: 92 Resp: 137131

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





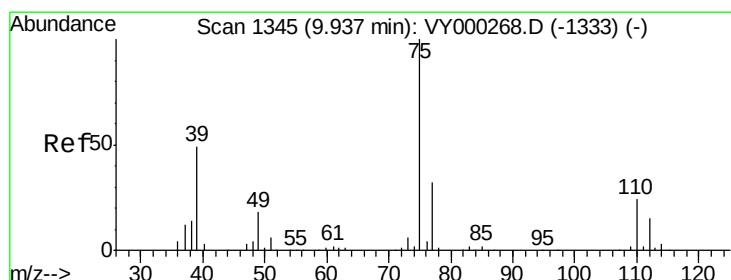
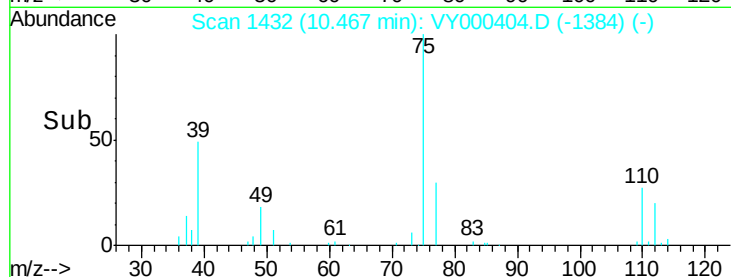
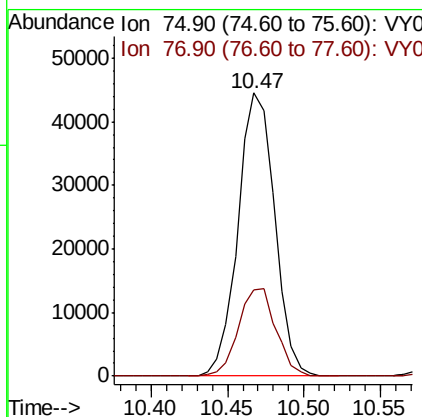
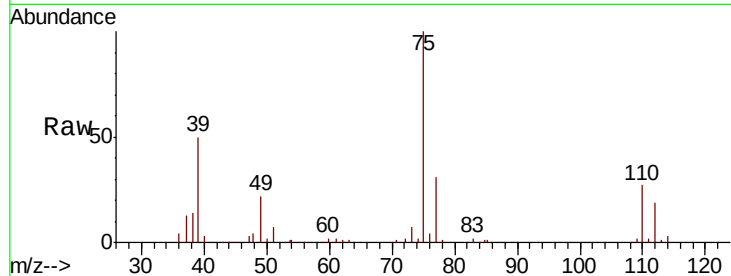
#53
t-1,3-Dichloropropene
Concen: 20.915 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 75 Resp: 74171
Ion Ratio Lower Upper
75 100
77 30.5 26.0 39.0

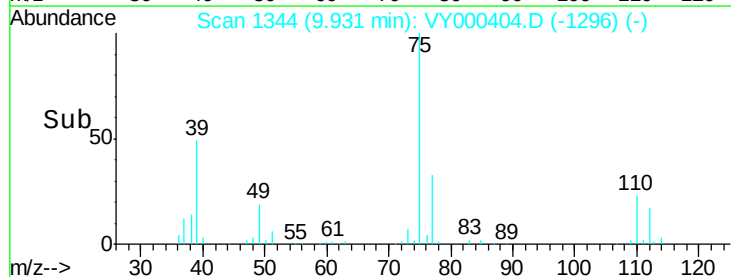
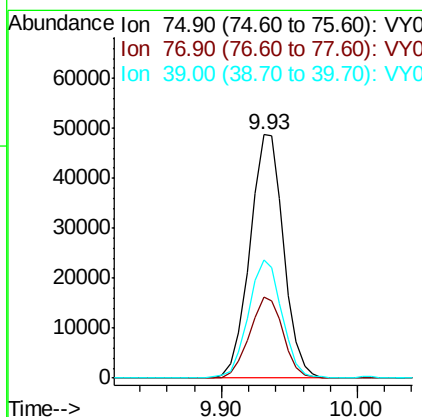
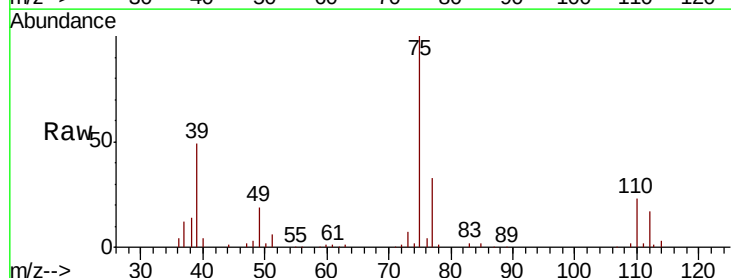
Manual Integrations
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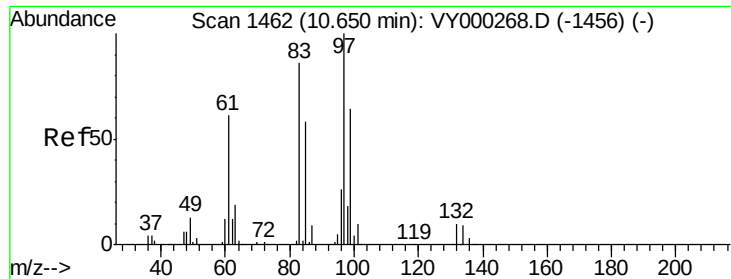
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.021 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion: 75 Resp: 84657
Ion Ratio Lower Upper
75 100
77 33.2 26.0 39.0
39 48.6 38.8 58.2





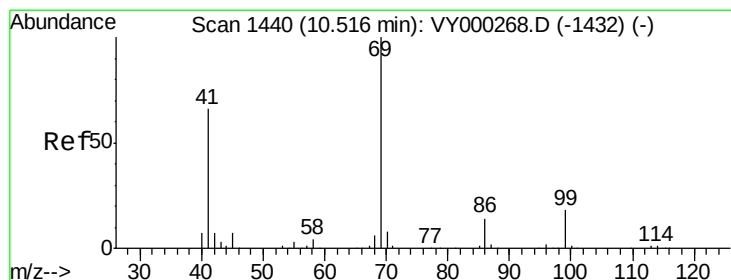
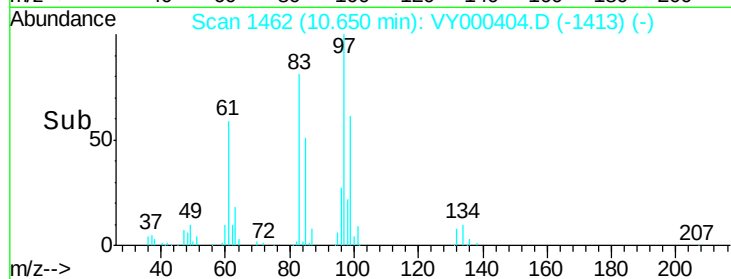
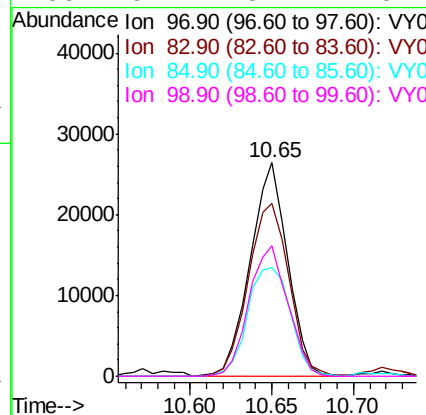
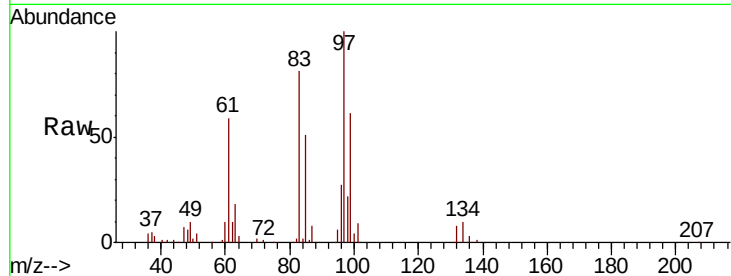
#55
 1,1,2-Trichloroethane
 Concen: 20.682 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion:	97	Resp:	42223
Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.0	103.6
85	51.2	46.2	69.4
99	61.2	51.1	76.7

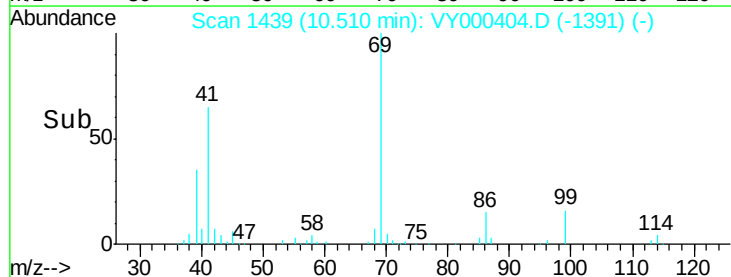
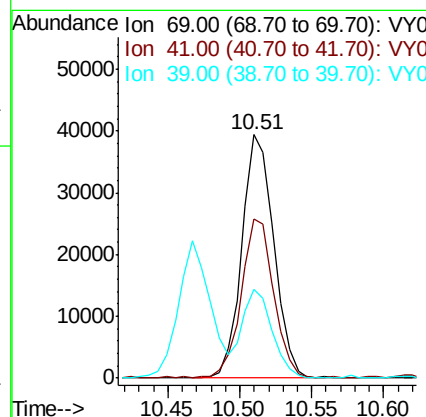
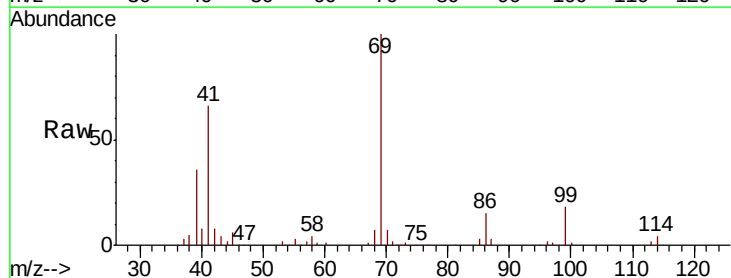
Manual Integrations
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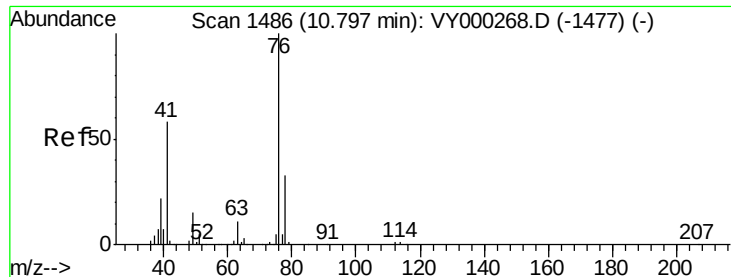
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.852 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion:	69	Resp:	60675
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.5	78.7
39	34.7	26.7	40.1





#57

1,3-Dichloropropane

Concen: 22.078 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 76 Resp: 77407

Ion Ratio Lower Upper

76 100

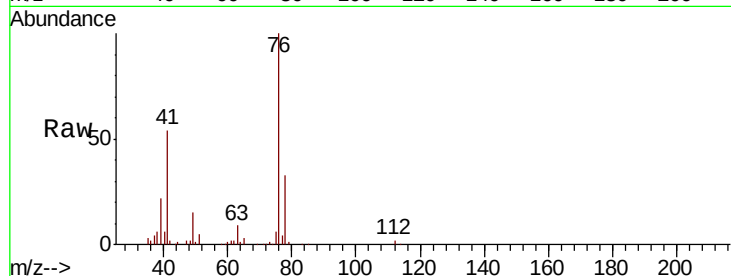
78 33.0 26.2 39.2

Manual Integrations

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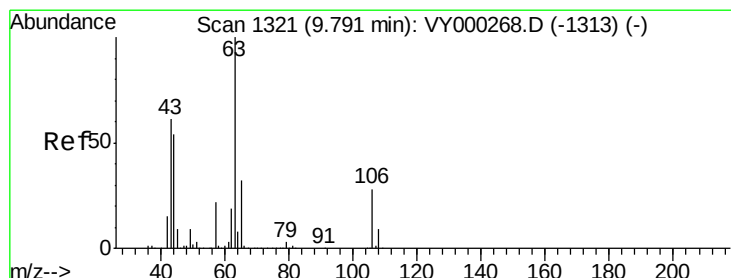
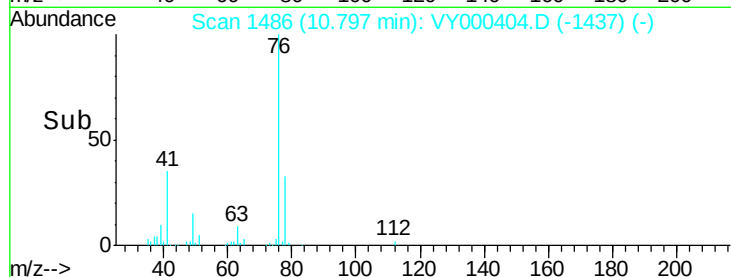
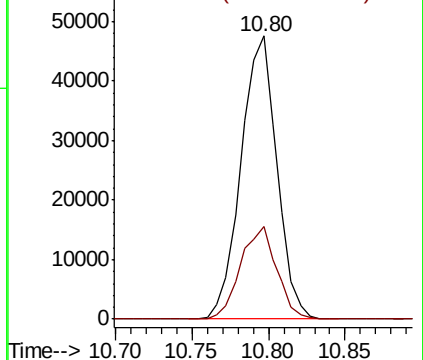
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 128.698 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000404.D

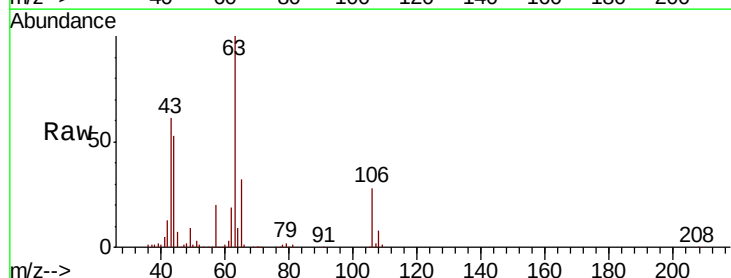
Acq: 24 Oct 2019 13:09

Tgt Ion: 63 Resp: 149373

Ion Ratio Lower Upper

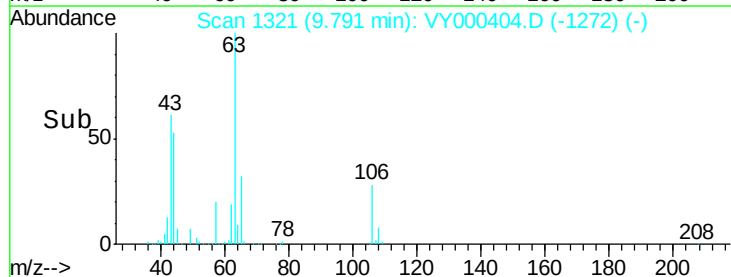
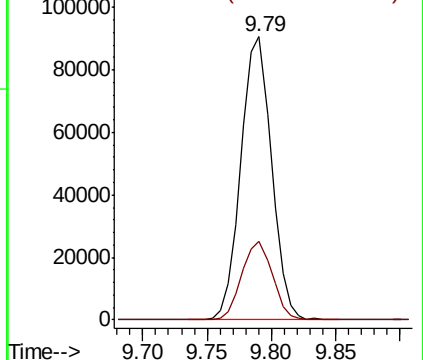
63 100

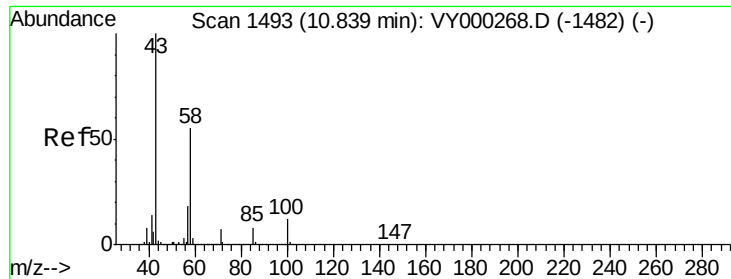
106 27.8 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





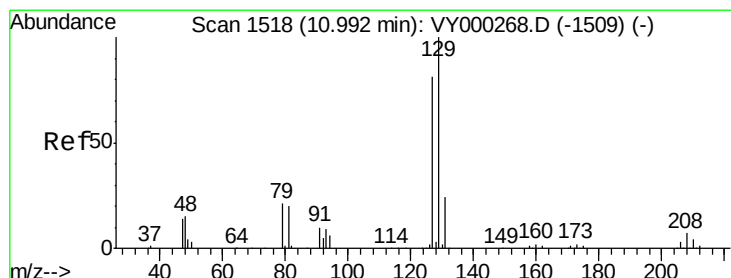
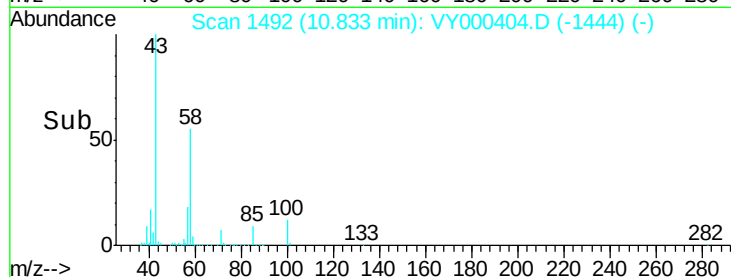
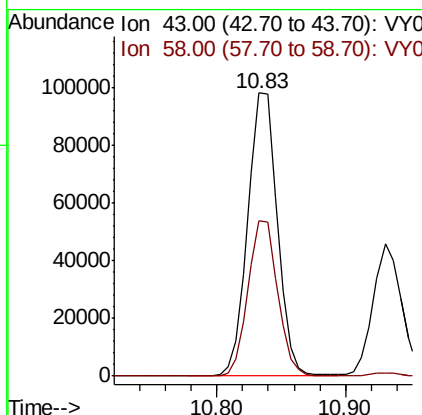
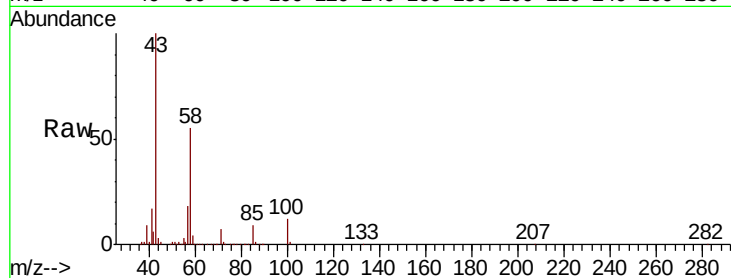
#59
2-Hexanone
Concen: 107.805 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 43 Resp: 155623
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1

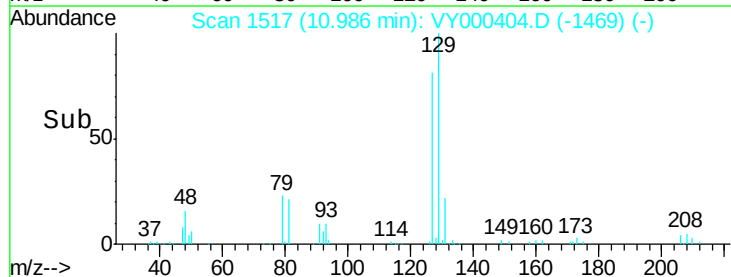
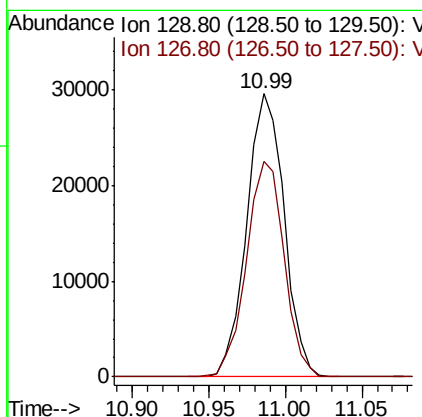
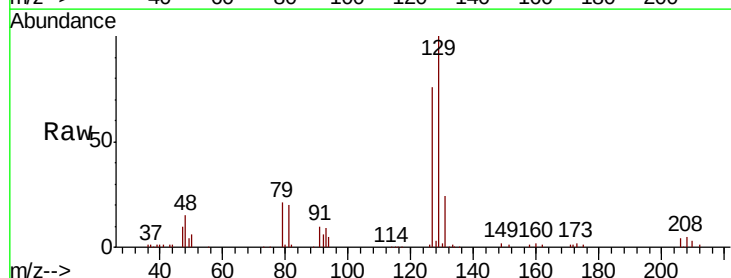
Manual Integrations
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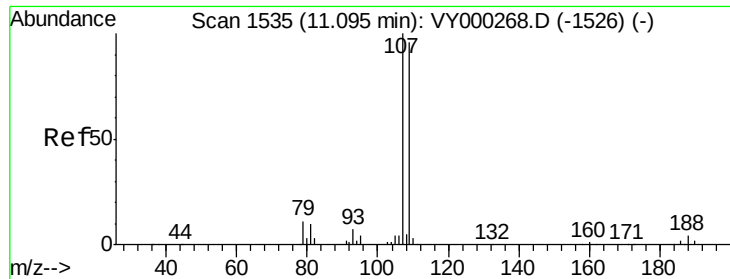
MMDadoda
10/25/2019 4:46:27 PM



#60
Dibromochloromethane
Concen: 22.288 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion: 129 Resp: 50431
Ion Ratio Lower Upper
129 100
127 76.8 39.9 119.7





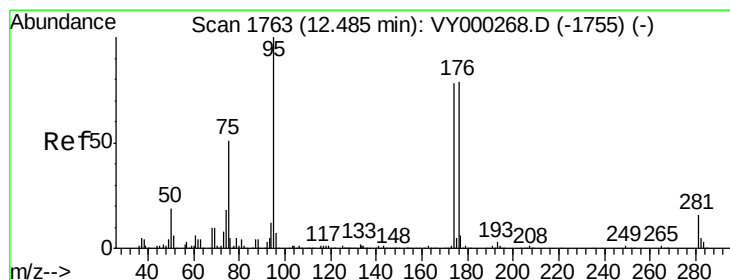
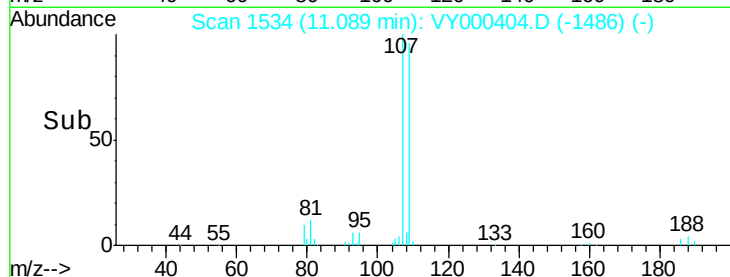
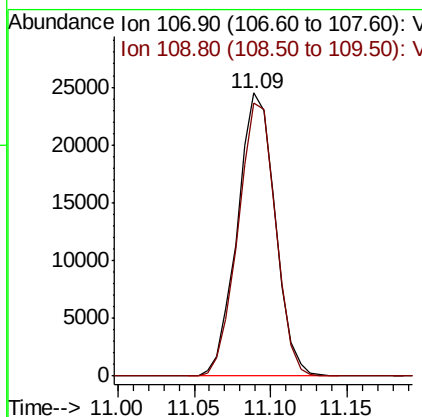
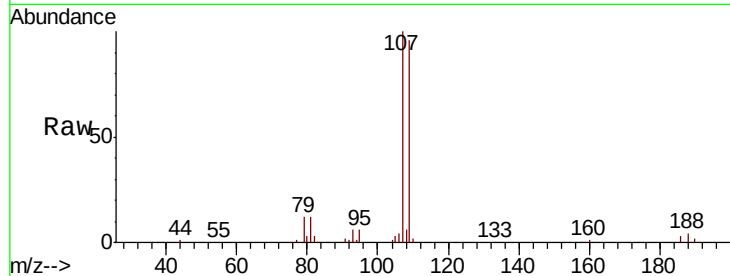
#61
 1,2-Dibromoethane
 Concen: 21.421 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.1	112.7

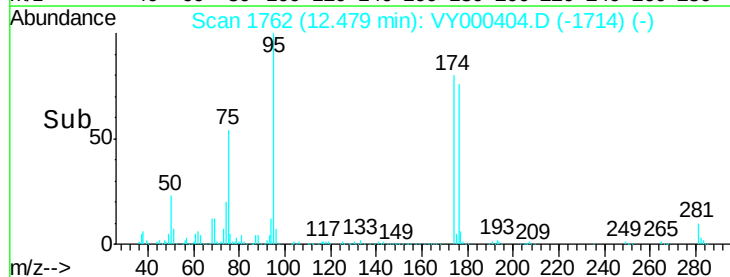
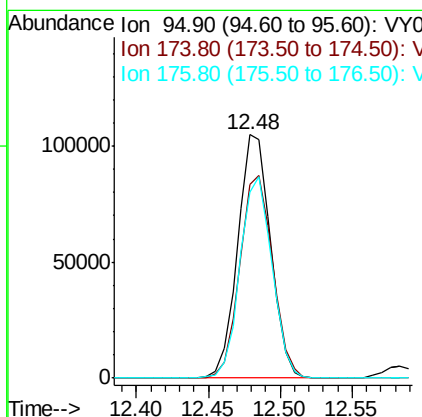
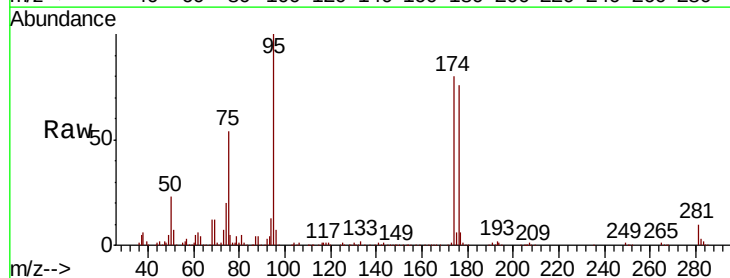
Manual Integrations
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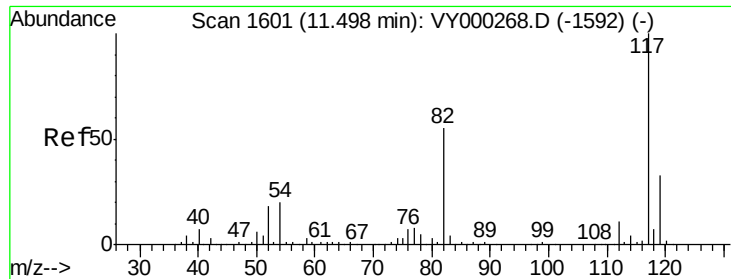
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.926 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	159.6
176	80.6	0.0	153.8





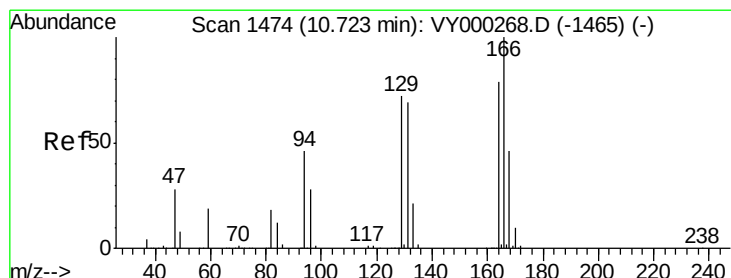
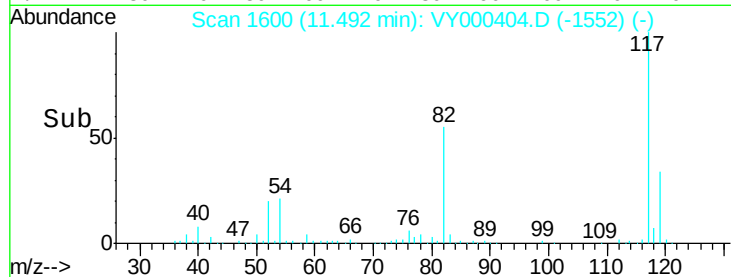
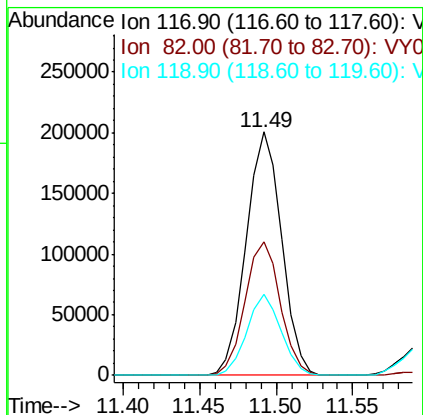
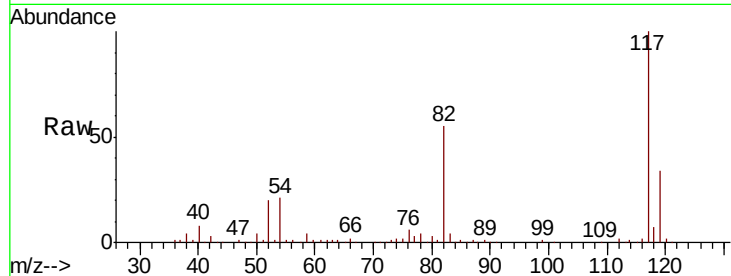
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.7	65.5
119	33.5	26.6	39.8

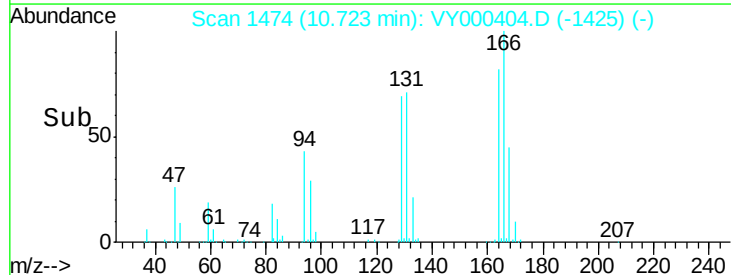
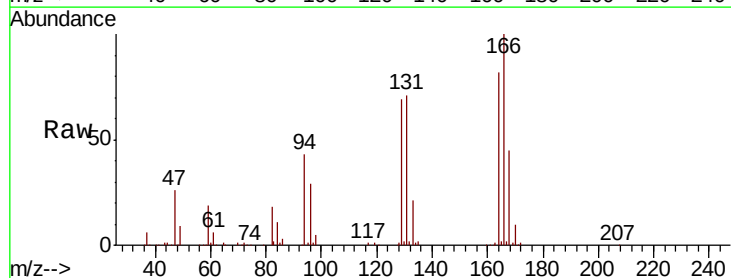
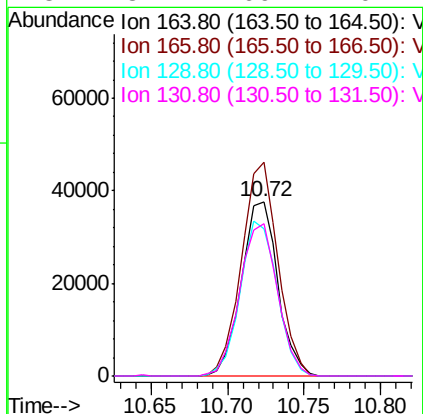
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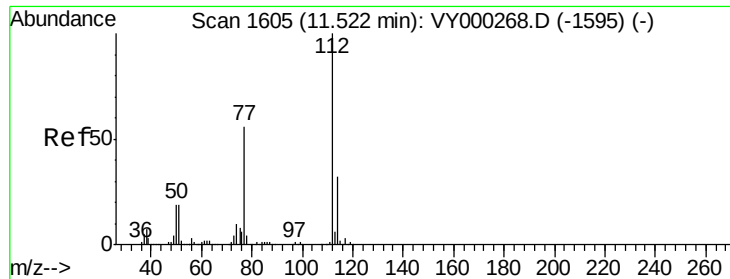
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#64
Tetrachloroethene
Concen: 20.266 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.6	151.0
129	84.4	72.8	109.2
131	87.1	69.4	104.2





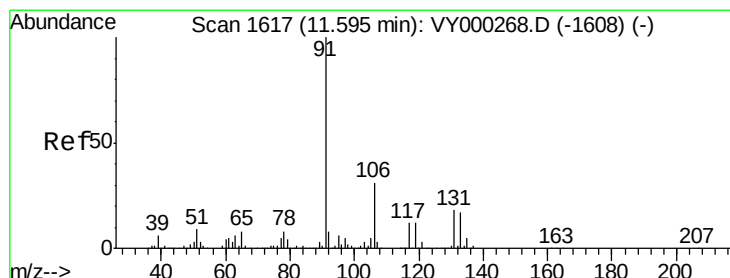
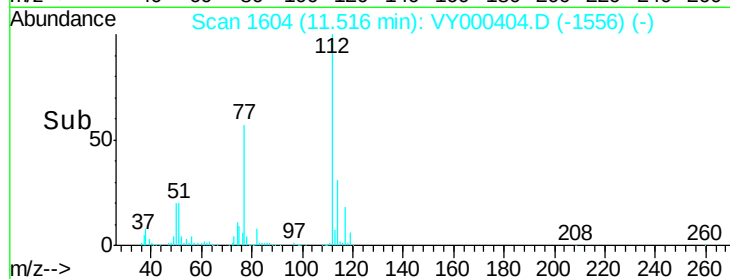
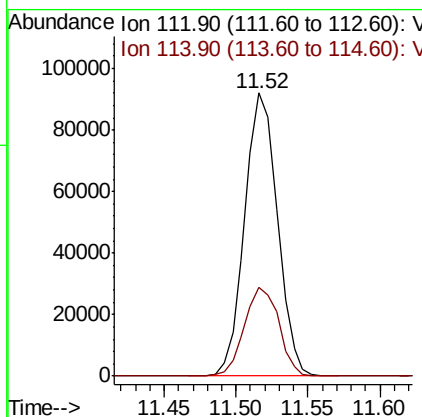
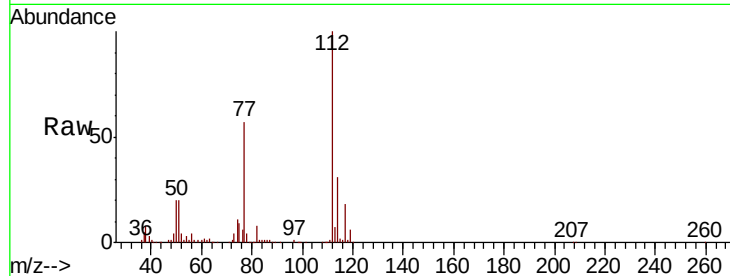
#65
Chlorobenzene
Concen: 21.282 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion:112 Resp: 145083
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5

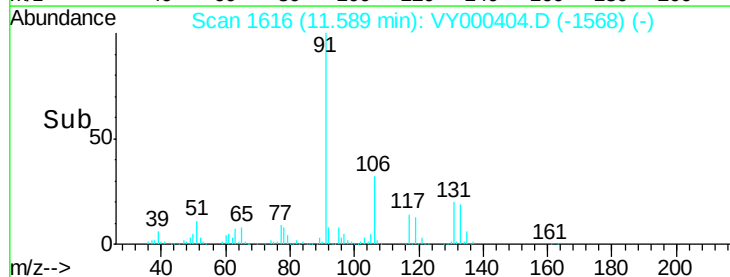
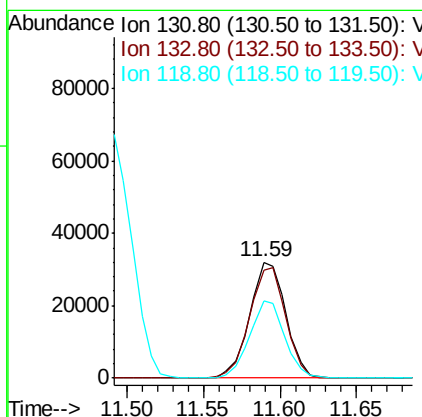
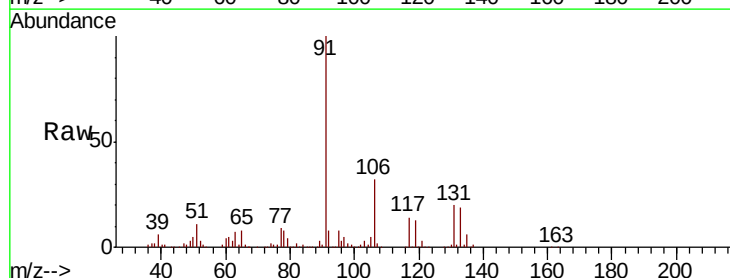
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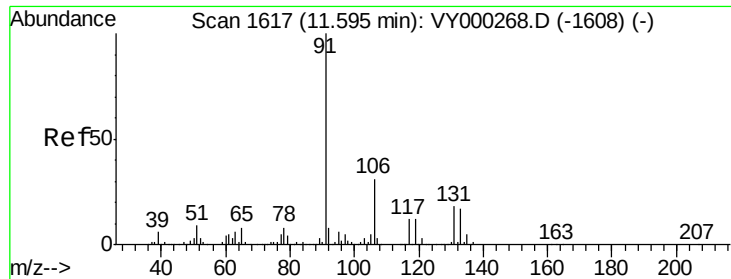
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.935 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion:131 Resp: 52530
Ion Ratio Lower Upper
131 100
133 95.8 47.2 141.6
119 65.2 32.6 98.0





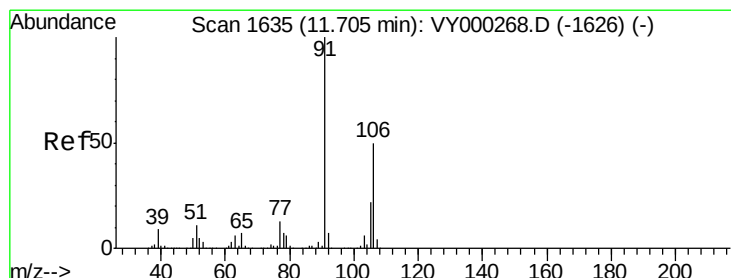
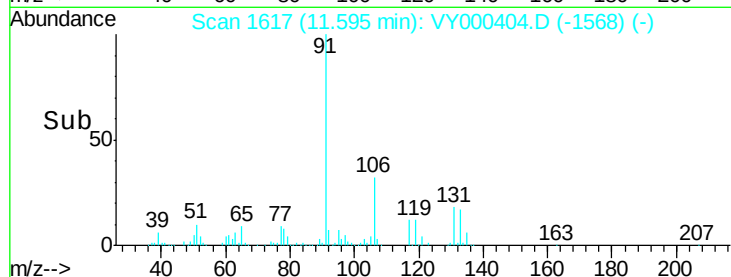
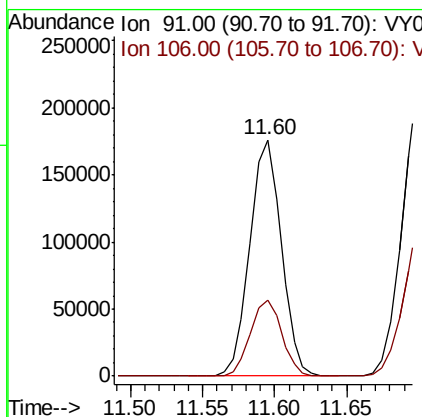
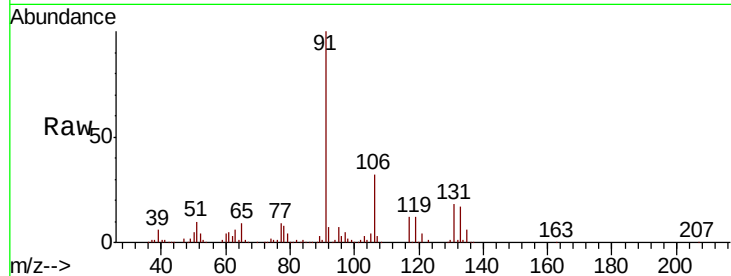
#67
Ethyl Benzene
Concen: 21.072 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 91 Resp: 266300
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.6

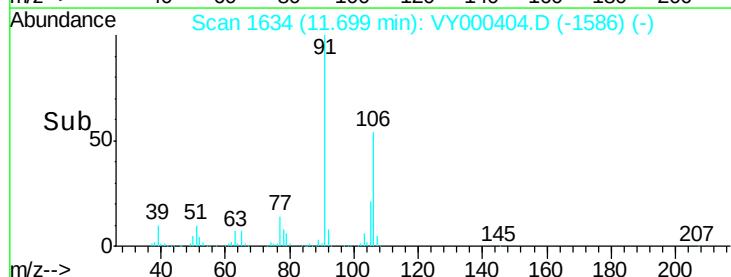
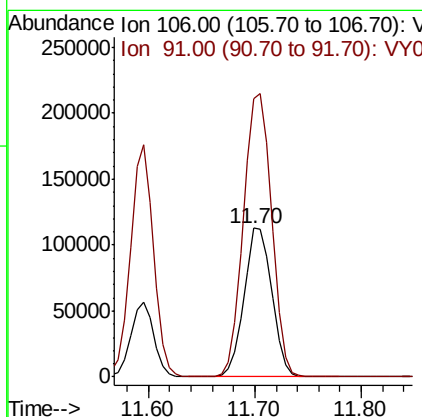
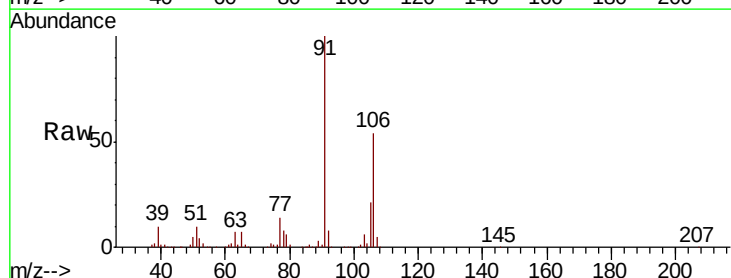
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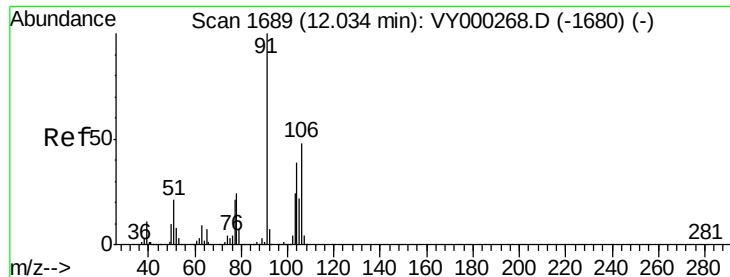
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#68
m/p-Xylenes
Concen: 42.889 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion: 106 Resp: 207205
Ion Ratio Lower Upper
106 100
91 194.1 157.5 236.3





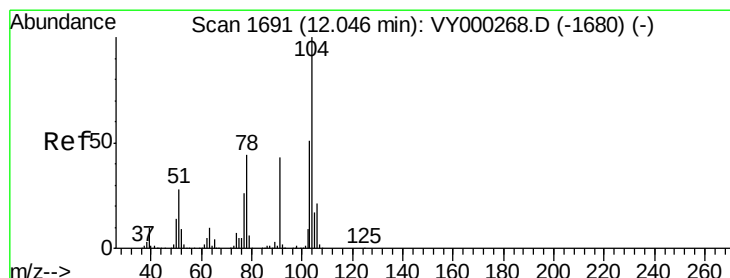
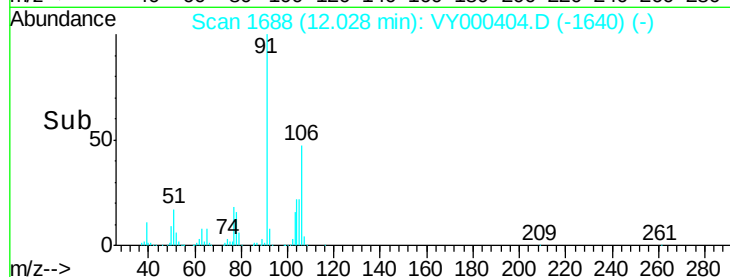
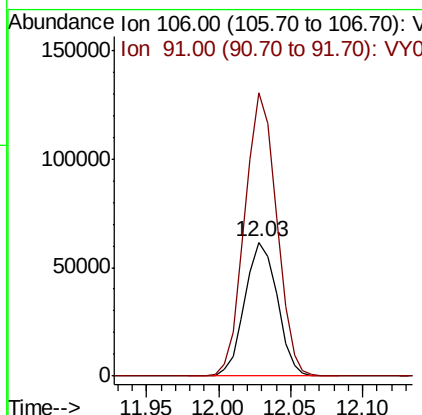
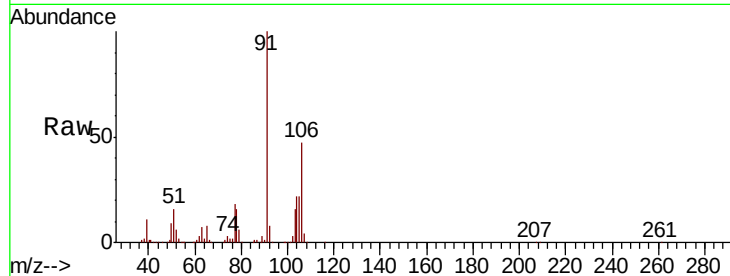
#69
o-Xylene
Concen: 20.921 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.2	104.7	313.9	

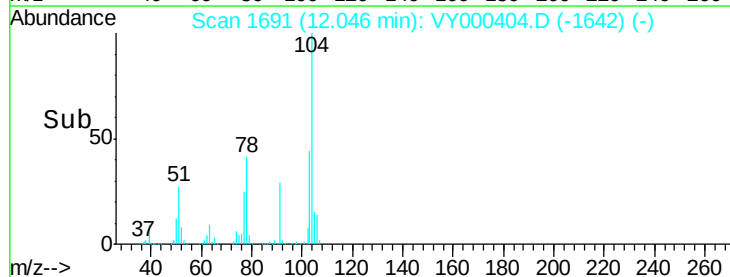
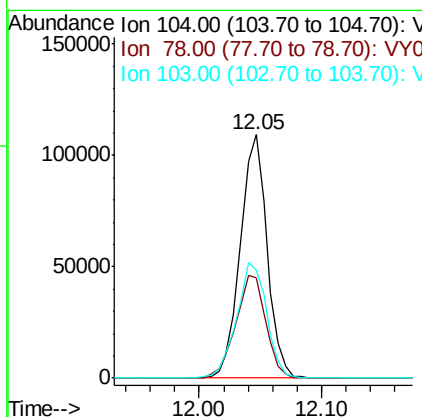
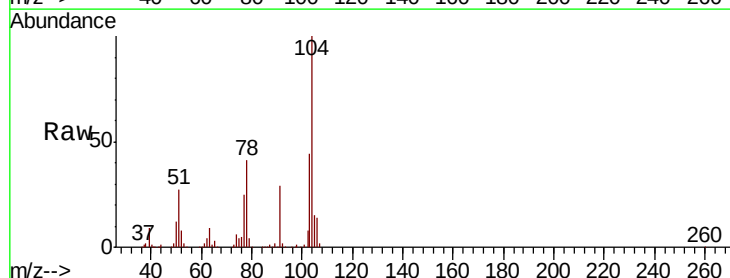
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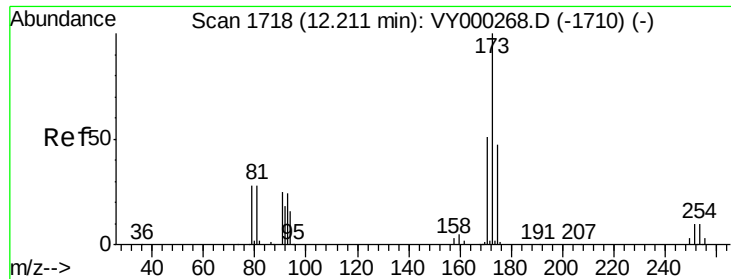
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#70
Styrene
Concen: 21.314 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	39.0	58.6	
103	53.2	43.1	64.7	





#71

Bromoform

Concen: 21.551 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:173 Resp: 29668

Ion Ratio Lower Upper

173 100

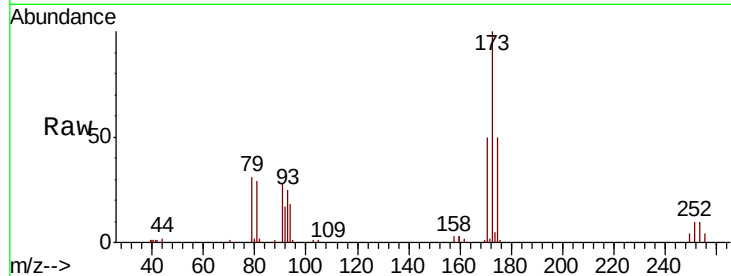
175 46.8 24.6 73.6

254 0.0 0.1 0.1#

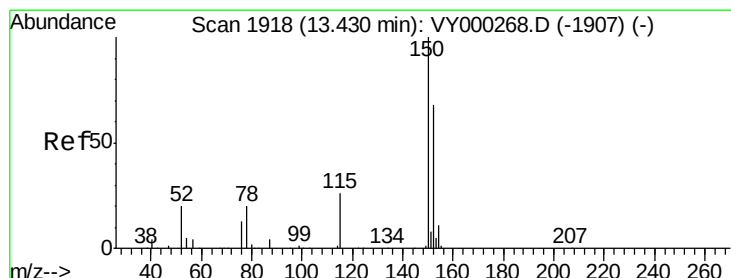
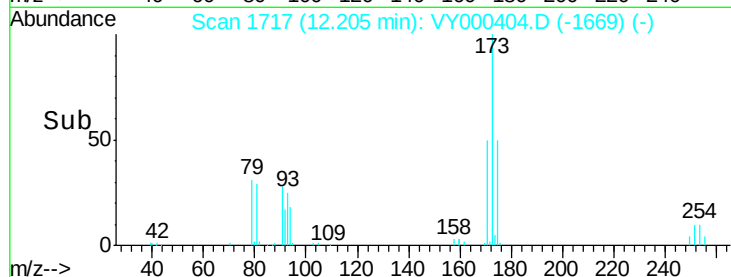
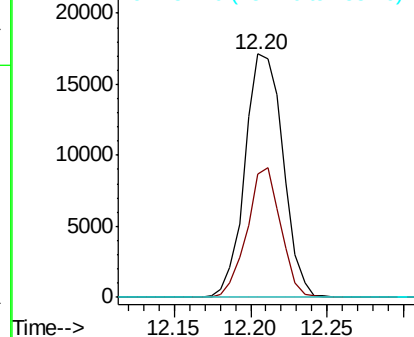
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

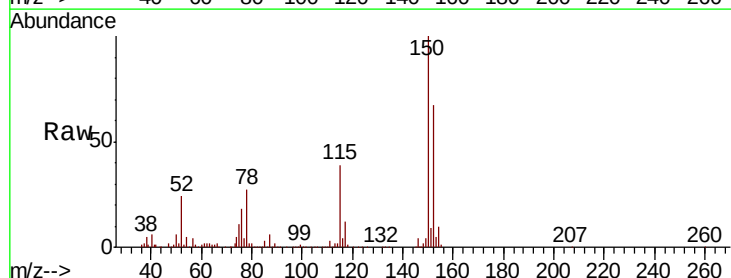
Tgt Ion:152 Resp: 163283

Ion Ratio Lower Upper

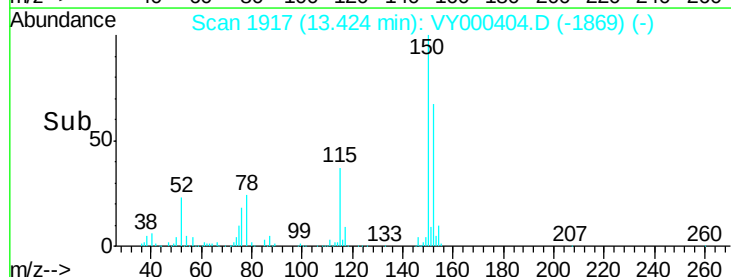
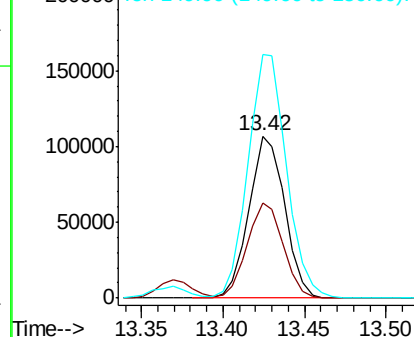
152 100

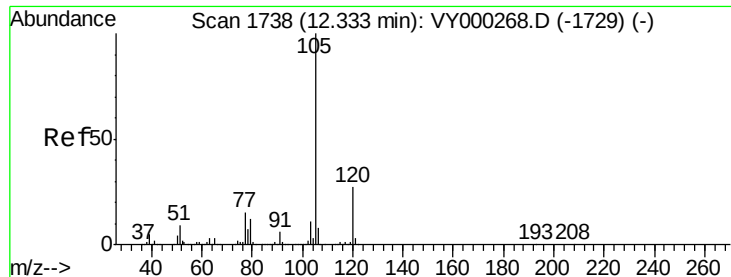
115 59.2 29.3 88.0

150 161.6 0.0 348.4



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: 20.305 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:105 Resp: 258520

Ion Ratio Lower Upper

105 100

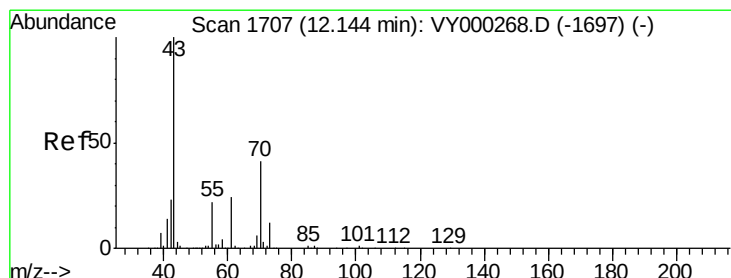
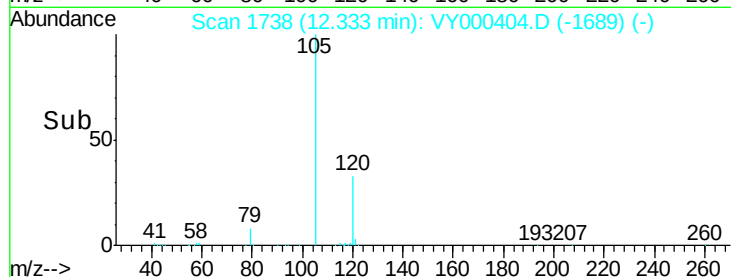
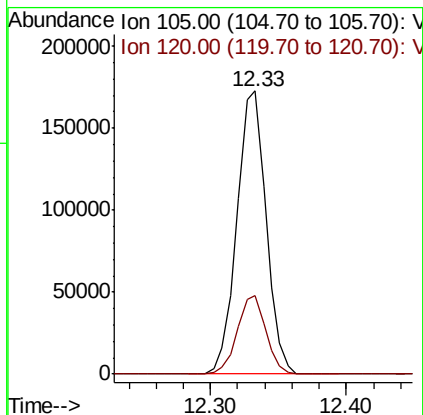
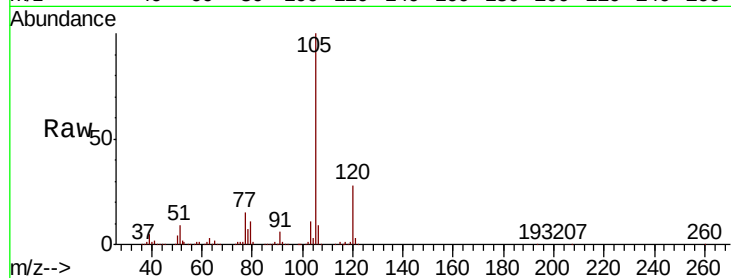
120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 22.930 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion: 43 Resp: 71671

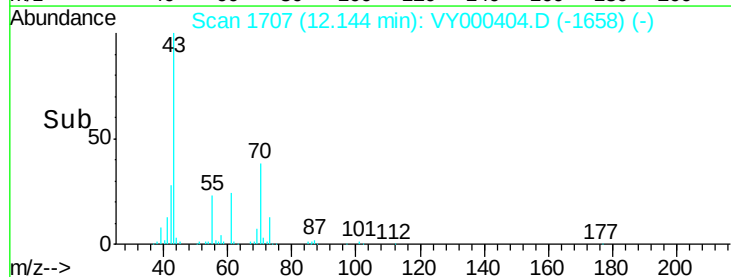
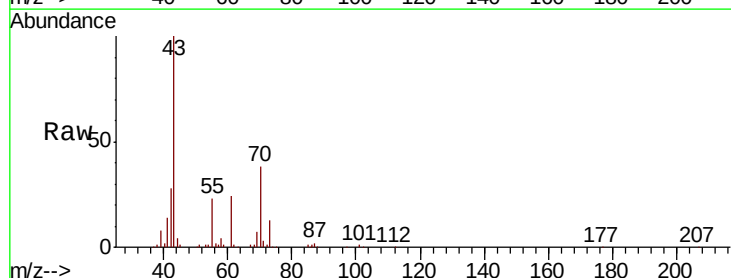
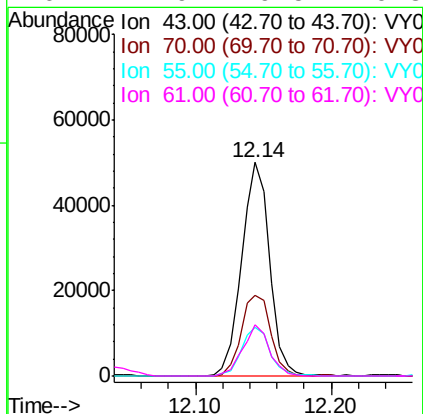
Ion Ratio Lower Upper

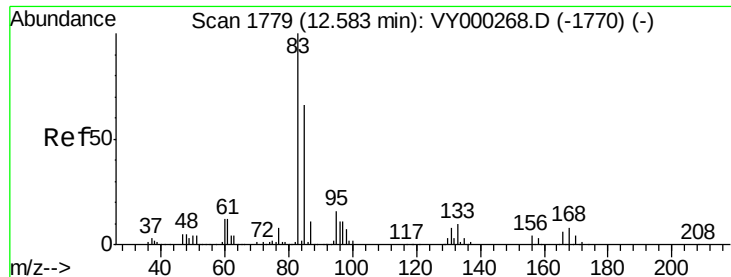
43 100

70 40.1 32.9 49.3

55 23.4 17.8 26.6

61 22.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.543 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

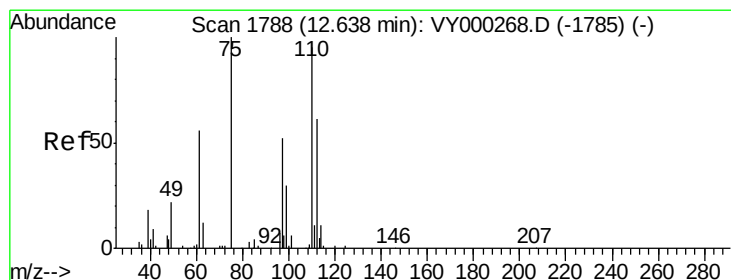
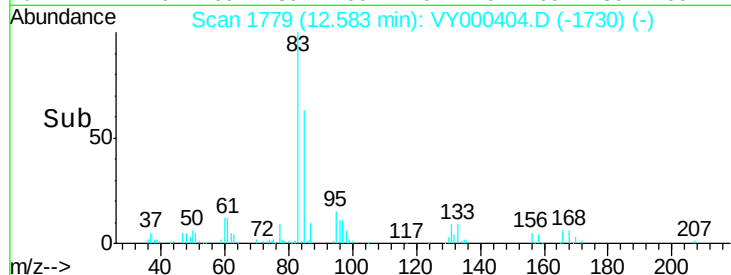
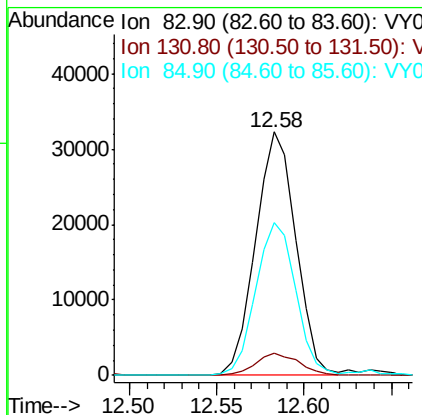
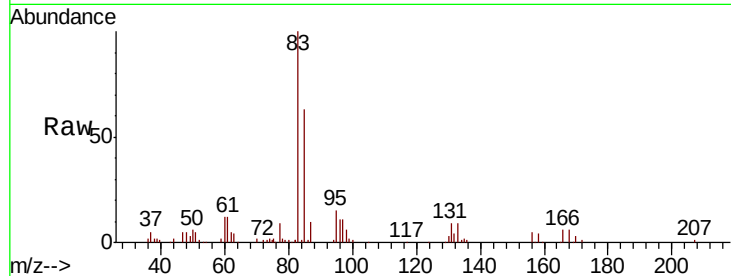
ClientSampleId :

VY1024SBS01

Tot Ion:	83	Resp:	51498
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	62.2	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 20.565 ug/l m

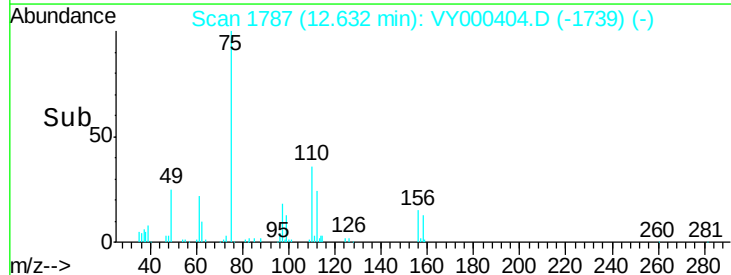
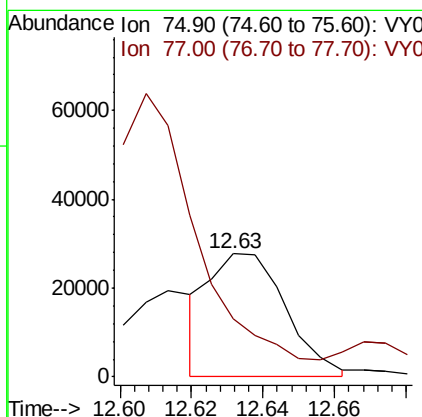
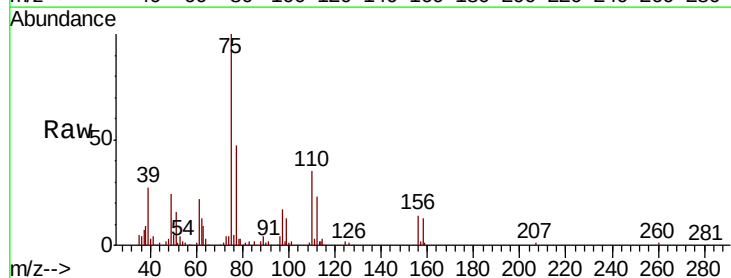
RT: 12.63 min Scan# 1787

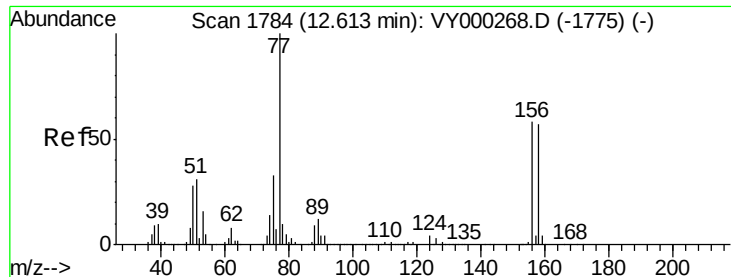
Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	75	Resp:	41290
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.091 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:156 Resp: 59753

Ion Ratio Lower Upper

156 100

77 191.6 101.0 302.9

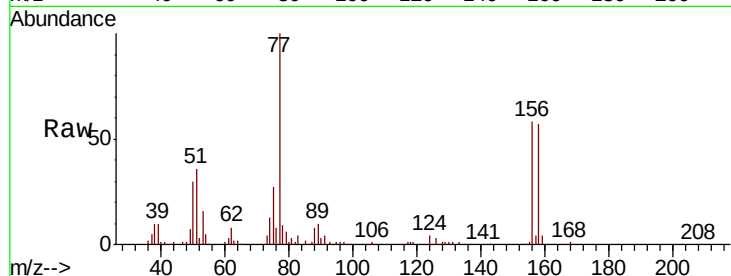
158 97.4 49.7 149.1

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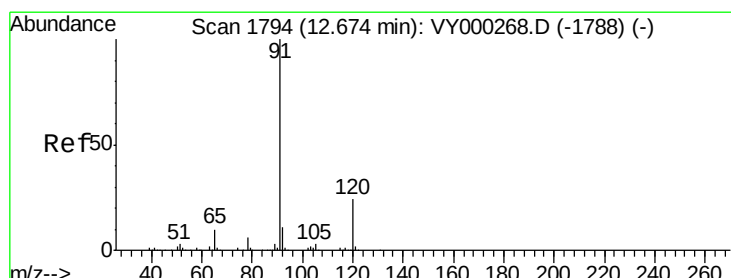
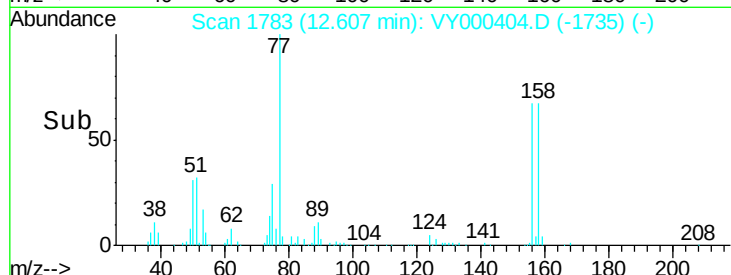
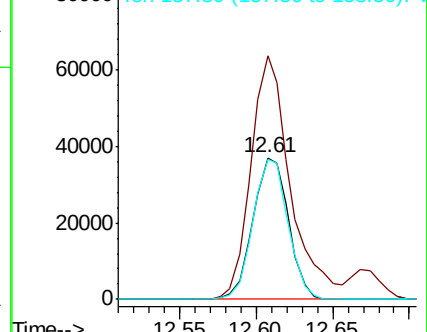
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.424 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000404.D

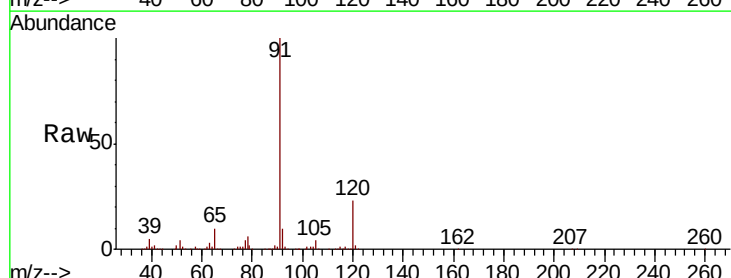
Acq: 24 Oct 2019 13:09

Tgt Ion: 91 Resp: 312205

Ion Ratio Lower Upper

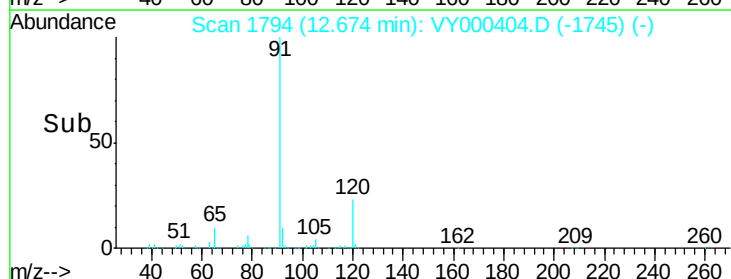
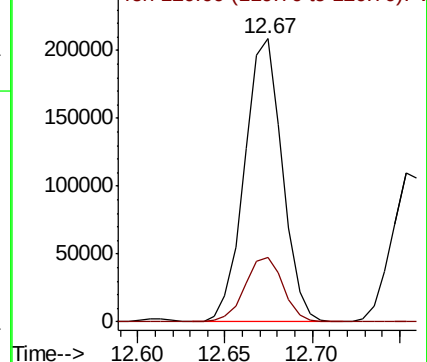
91 100

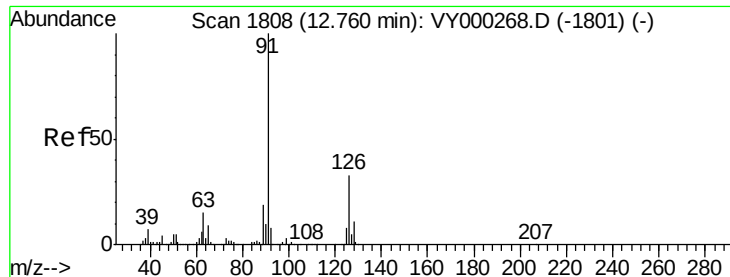
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.272 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 91 Resp: 171135

Ion Ratio Lower Upper

91 100

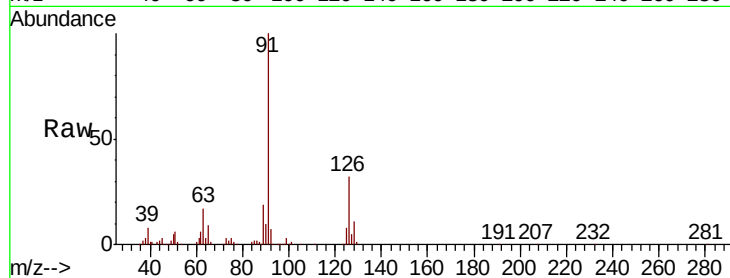
126 34.8 17.1 51.3

Manual Integrations

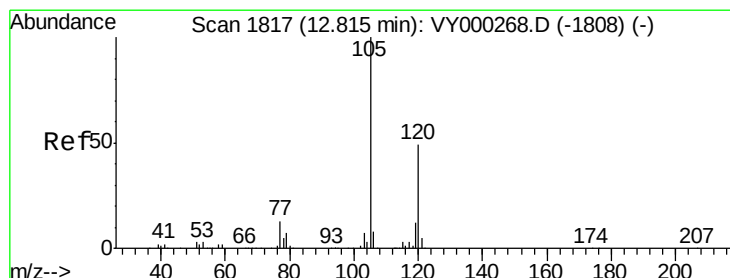
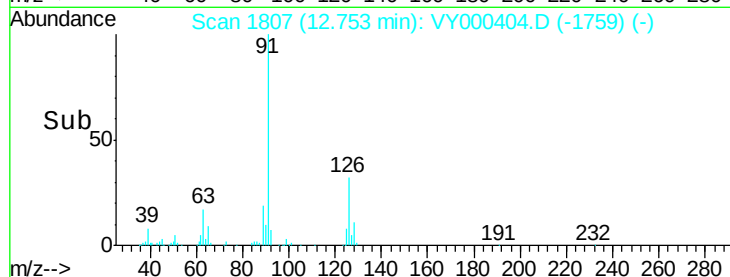
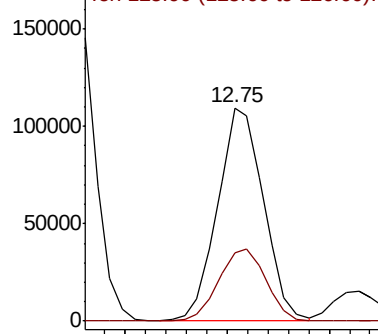
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Abundance Ion 91.00 (90.70 to 91.70): VY000404.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.364 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000404.D

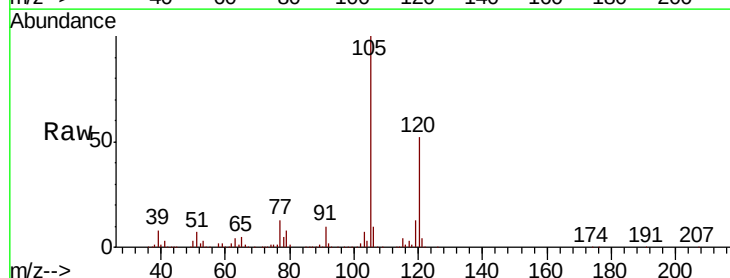
Acq: 24 Oct 2019 13:09

Tgt Ion: 105 Resp: 217400

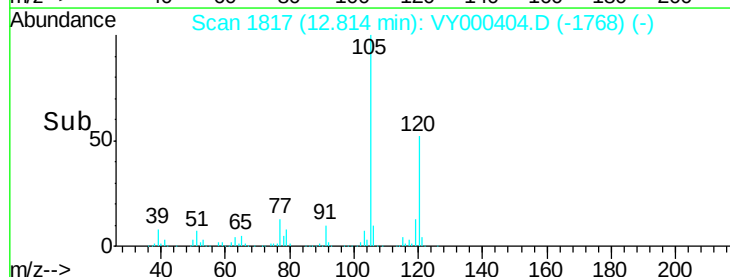
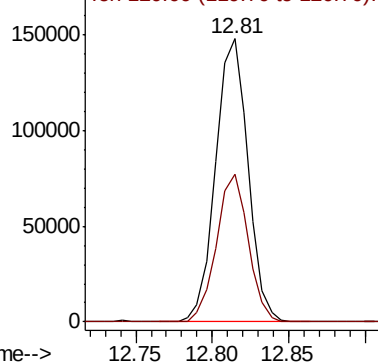
Ion Ratio Lower Upper

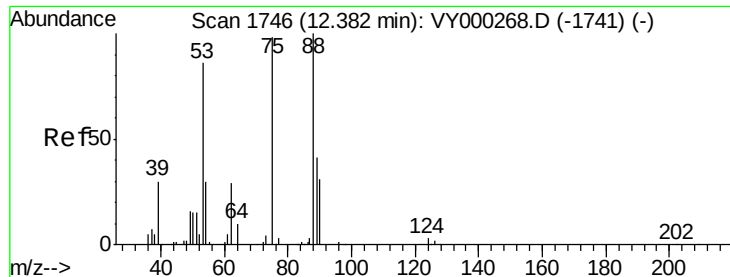
105 100

120 51.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000404.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.297 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 75 Resp: 17708

Ion Ratio Lower Upper

75 100

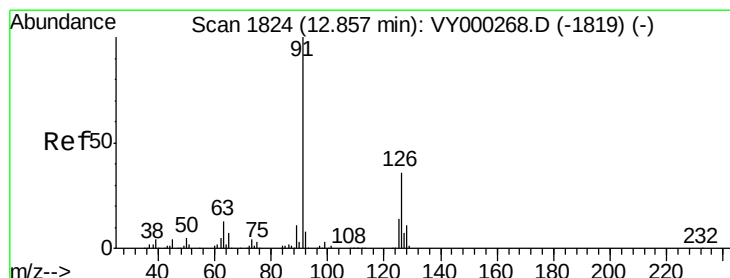
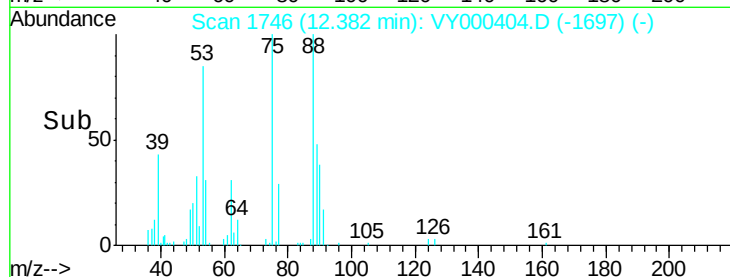
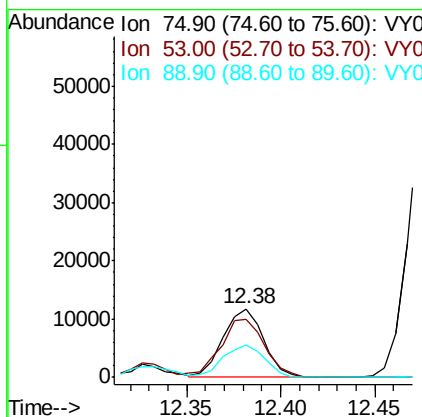
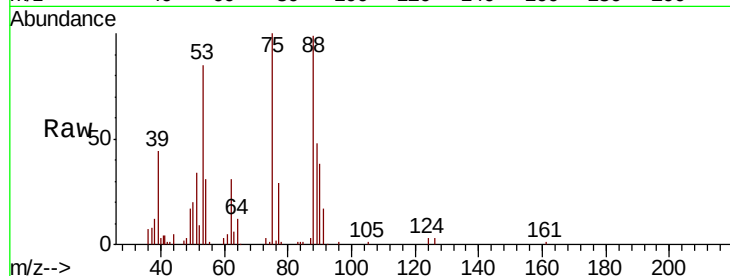
53 91.9 71.3 106.9

89 47.8 35.1 52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.480 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000404.D

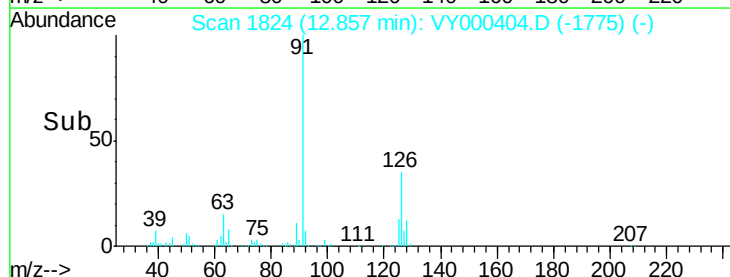
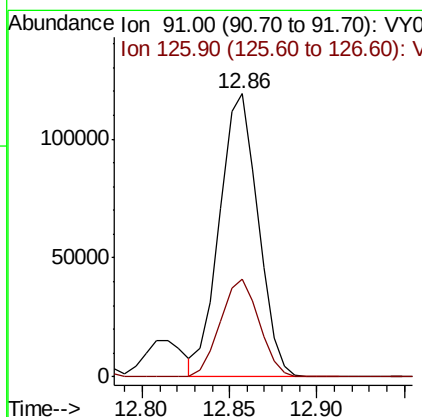
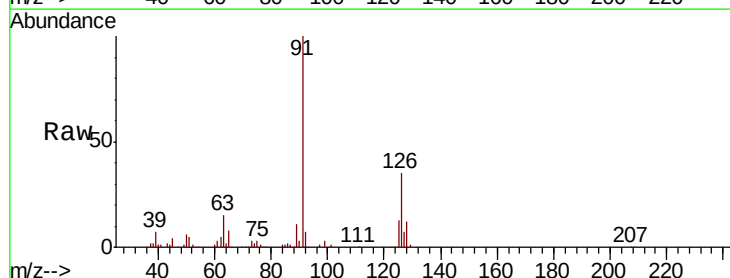
Acq: 24 Oct 2019 13:09

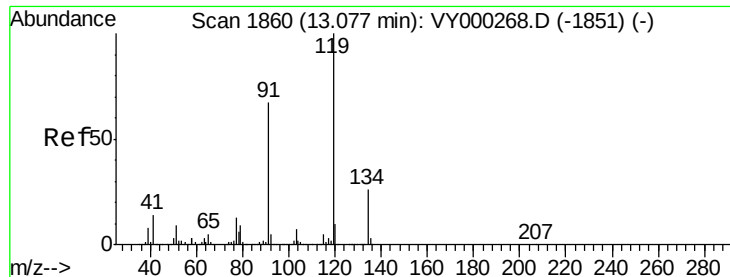
Tgt Ion: 91 Resp: 182756

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.5





#83

tert-Butylbenzene

Concen: 20.712 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

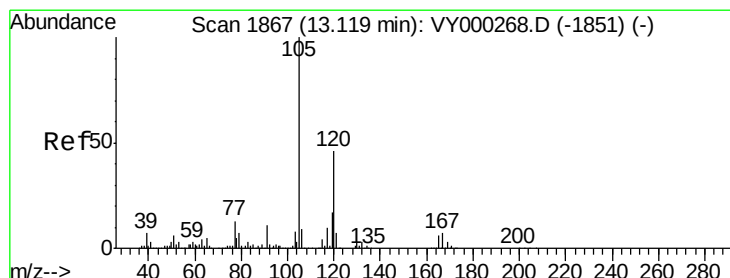
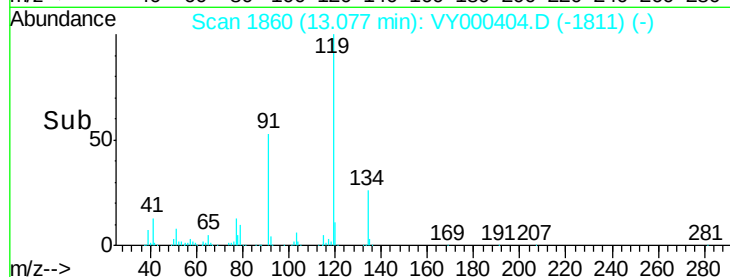
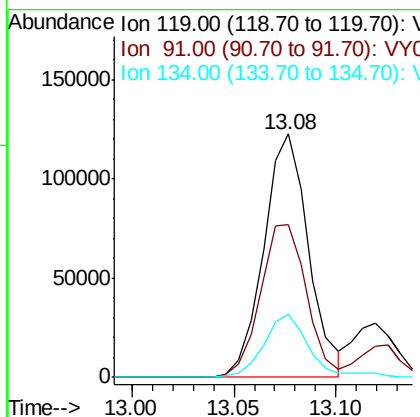
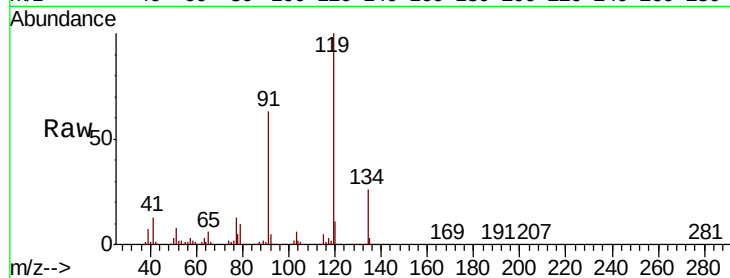
ClientSampleId :

VY1024SBS01

Tot Ion:	119	Resp:	187251
Ion Ratio	Lower	Upper	
119	100		
91	64.7	32.9	98.7
134	26.3	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.340 ug/l

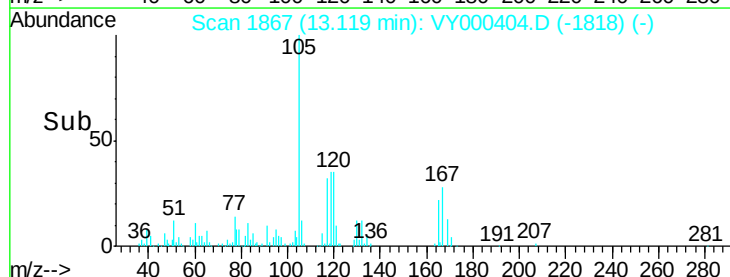
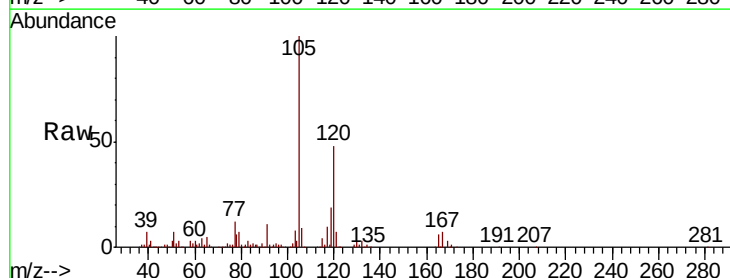
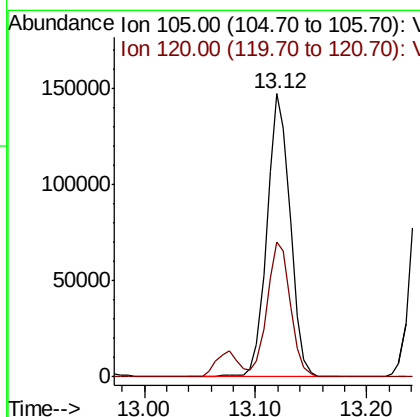
RT: 13.12 min Scan# 1867

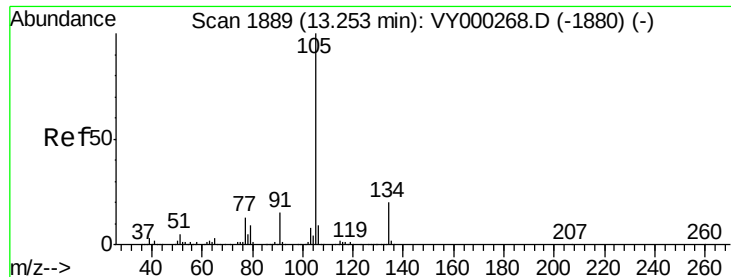
Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Tgt Ion:	105	Resp:	214312
Ion Ratio	Lower	Upper	
105	100		
120	47.6	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.482 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:105 Resp: 267882

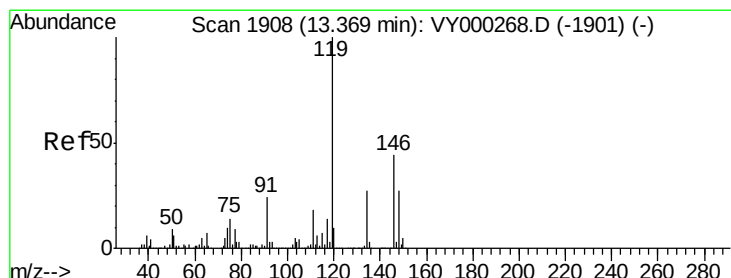
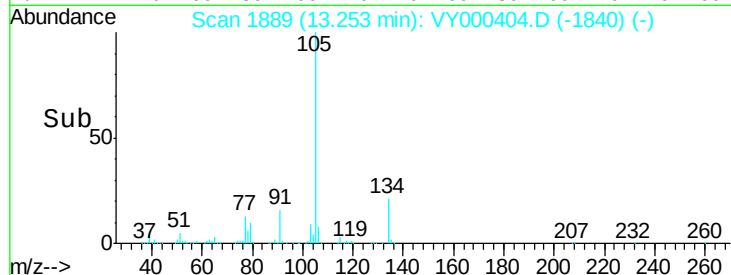
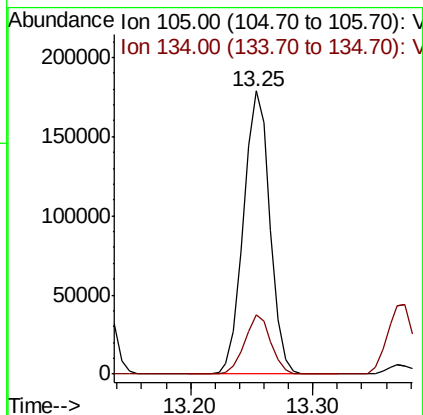
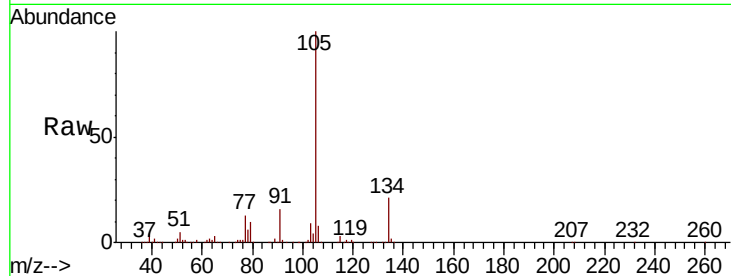
Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.873 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000404.D

Acq: 24 Oct 2019 13:09

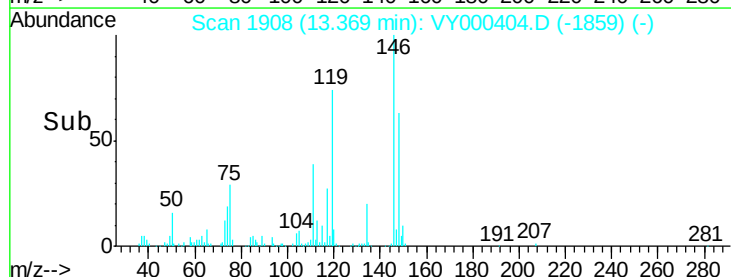
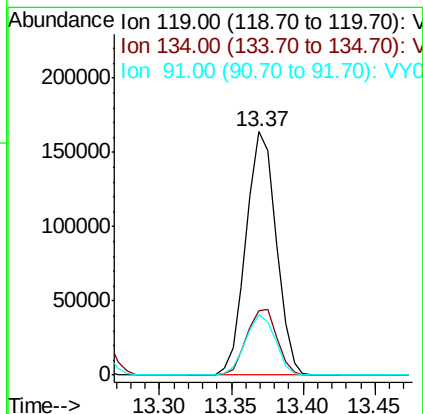
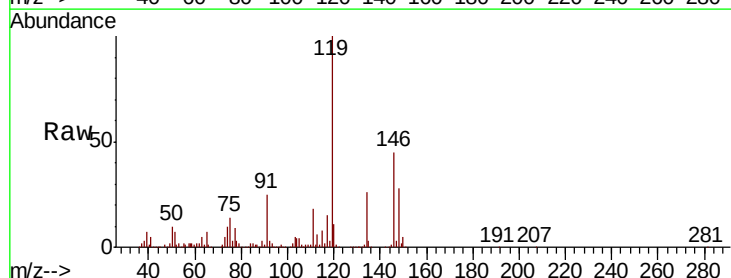
Tgt Ion:119 Resp: 237996

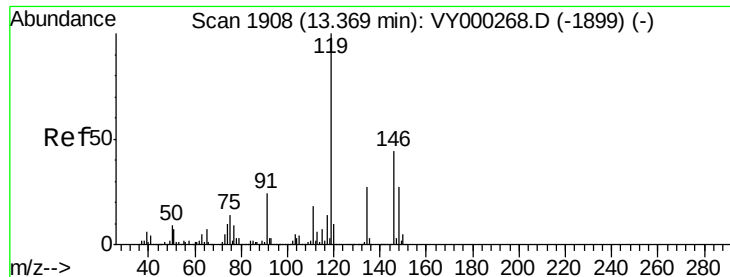
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 24.5 12.0 36.1





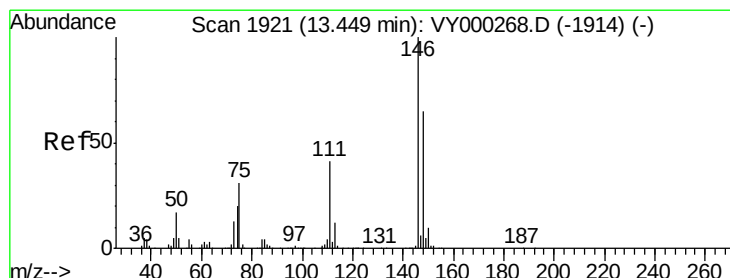
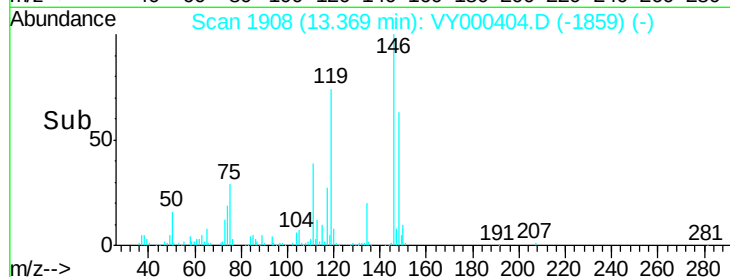
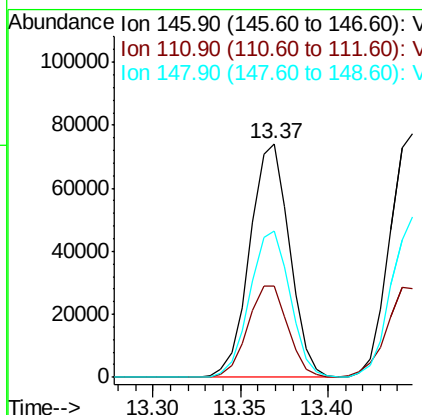
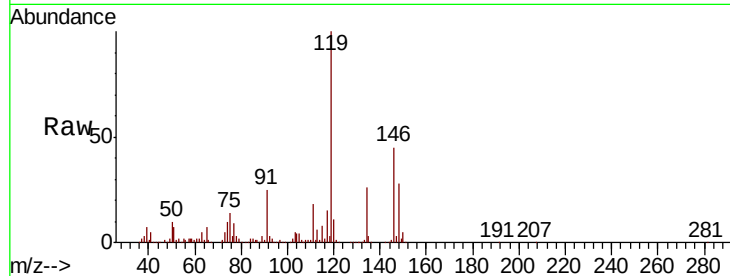
#87
 1,3-Dichlorobenzene
 Concen: 20.935 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.8
148	63.6	31.9	95.5

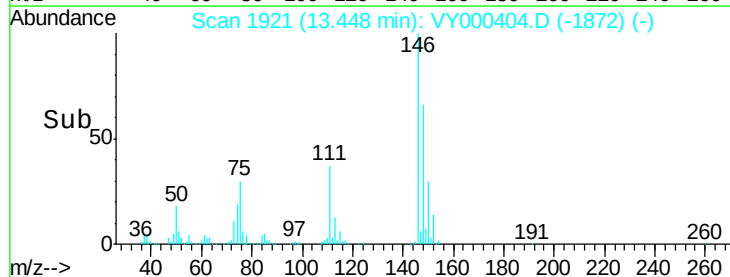
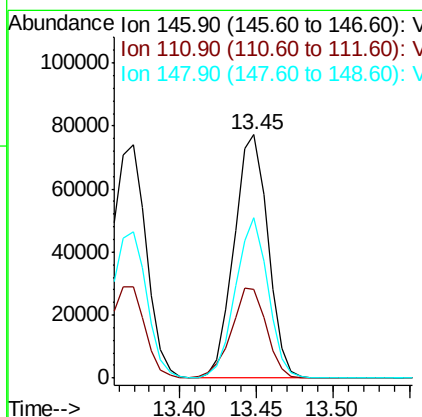
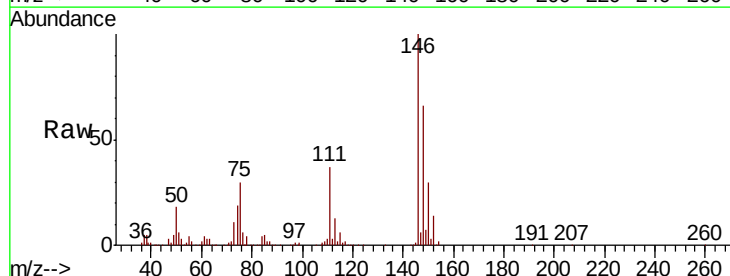
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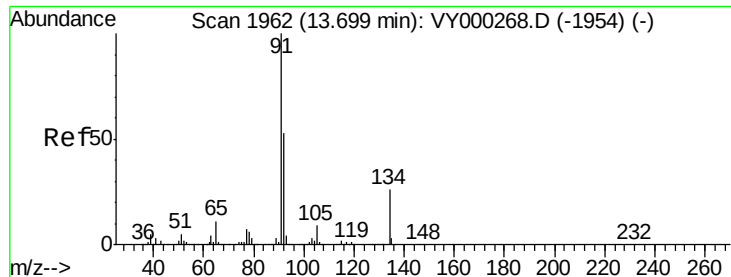
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#88
 1,4-Dichlorobenzene
 Concen: 21.351 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.1	60.2
148	62.9	32.4	97.2





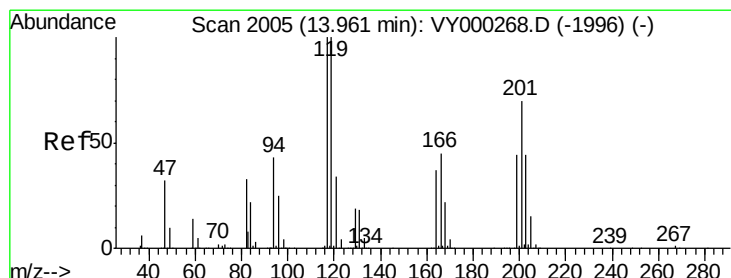
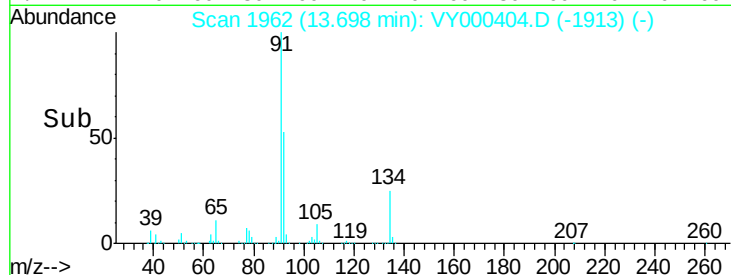
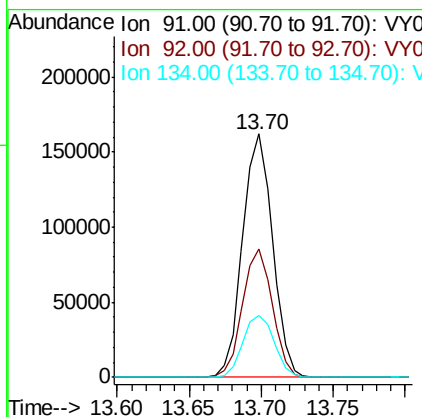
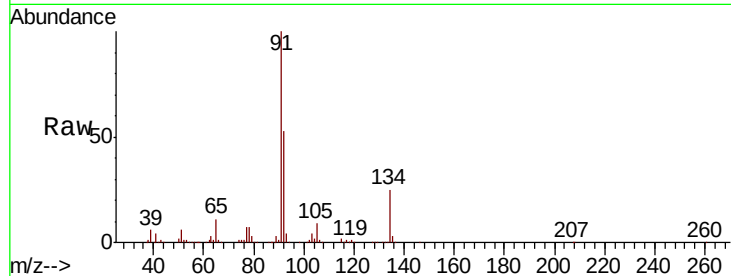
#89
n-Butylbenzene
Concen: 20.716 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.7	80.1
134	26.5	13.0	38.9

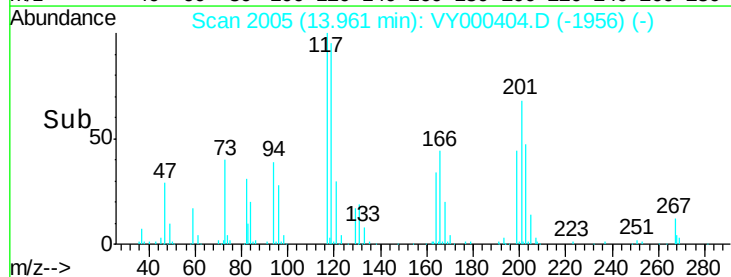
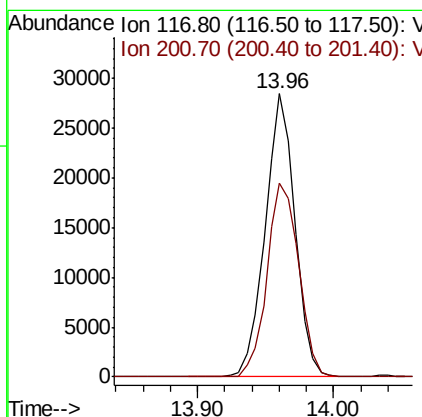
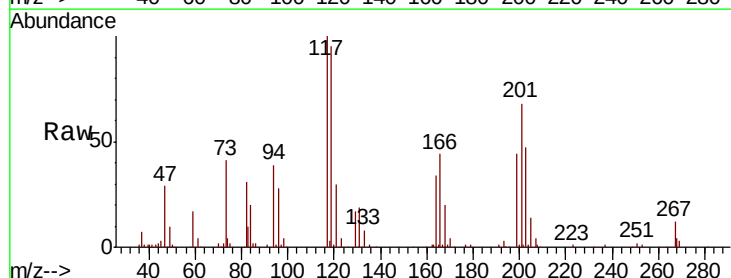
Manual Integrations
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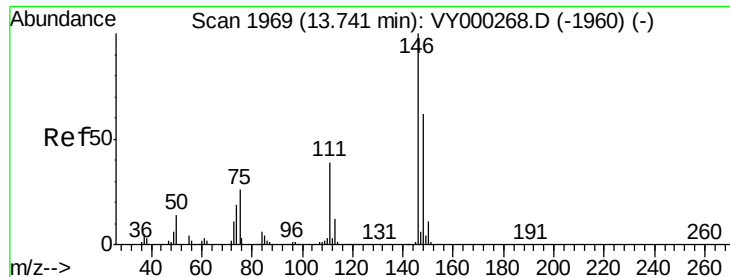
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#90
Hexachloroethane
Concen: 20.691 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	36.3	108.7





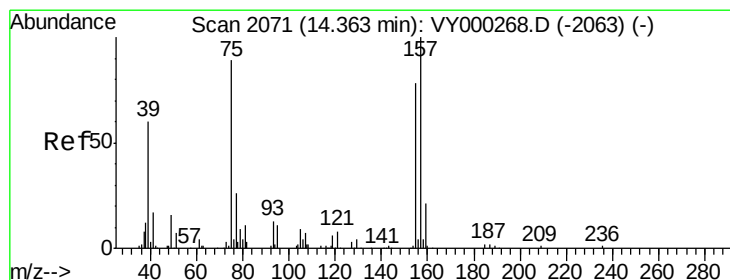
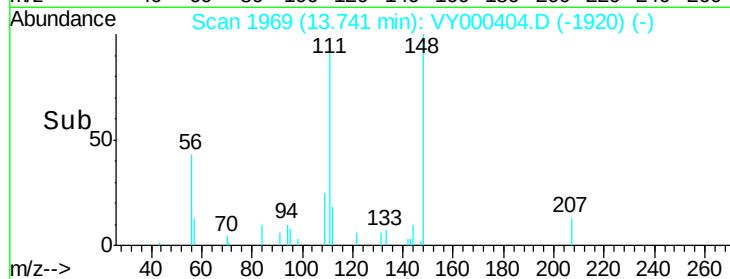
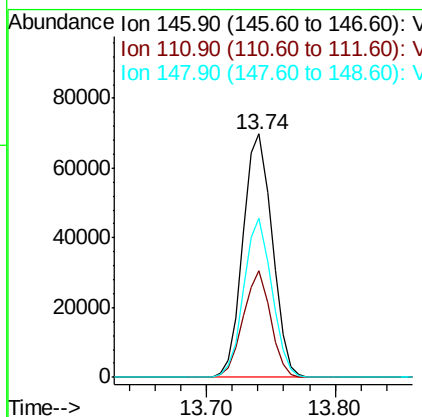
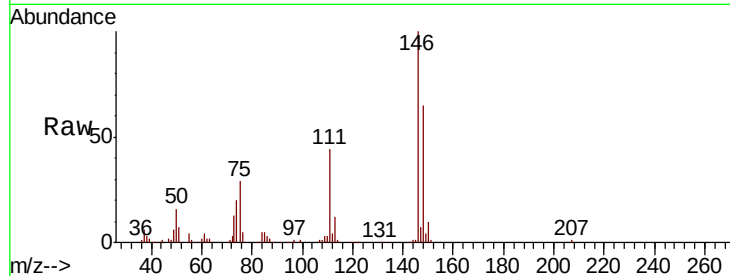
#91
 1,2-Dichlorobenzene
 Concen: 21.715 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	62.6	31.6	95.0

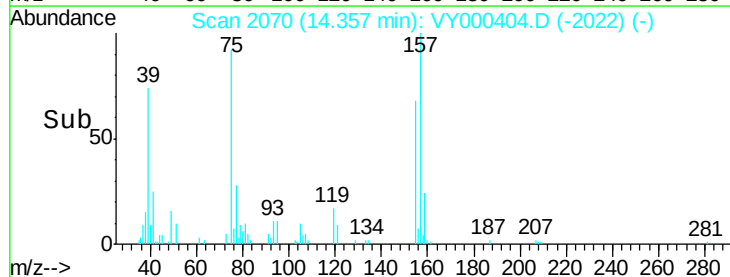
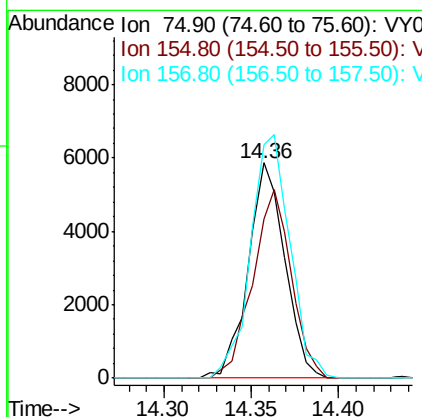
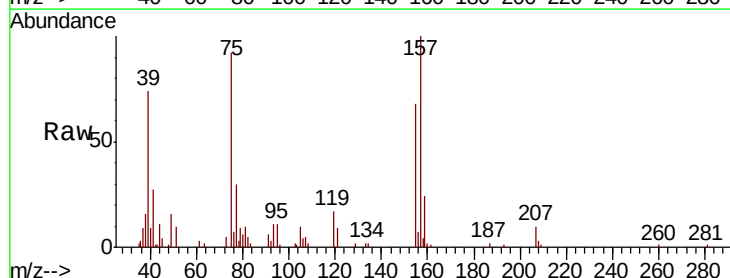
Manual Integrations
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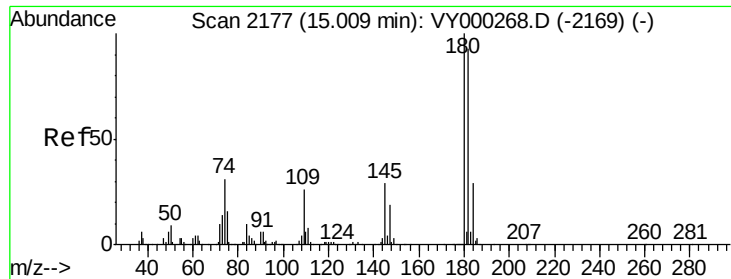
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.808 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	45.8	137.3
157	121.2	55.6	166.9





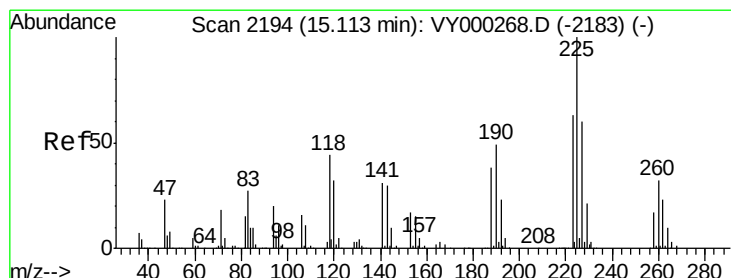
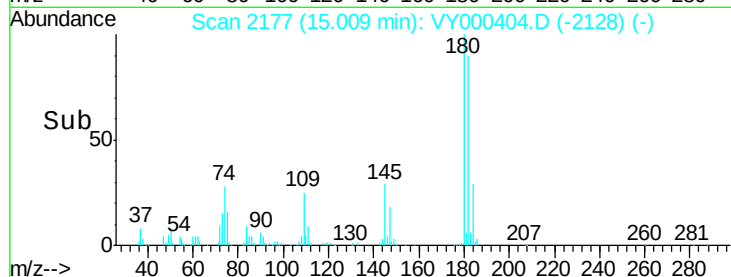
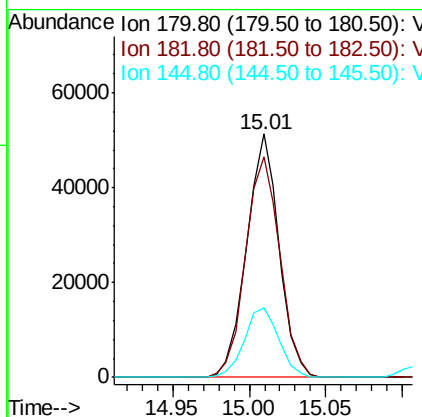
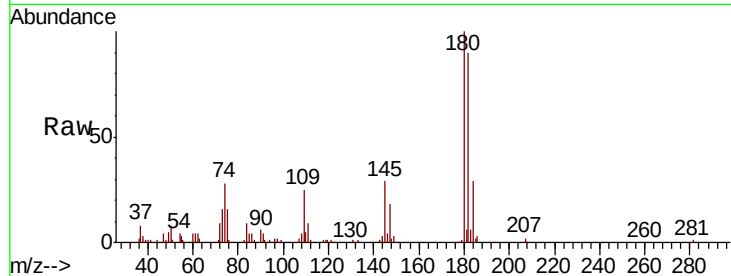
#93
 1,2,4-Trichlorobenzene
 Concen: 21.476 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75533		
182	96.0		47.5	142.6
145	30.2		15.4	46.1

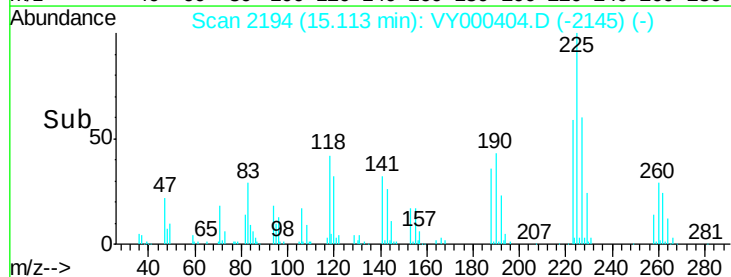
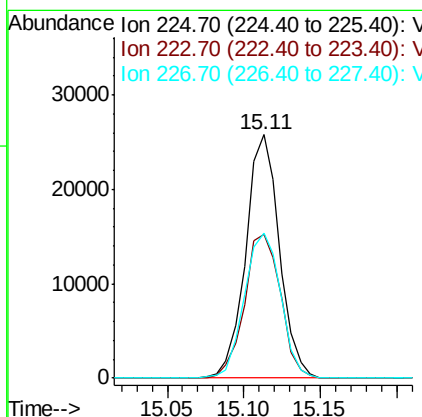
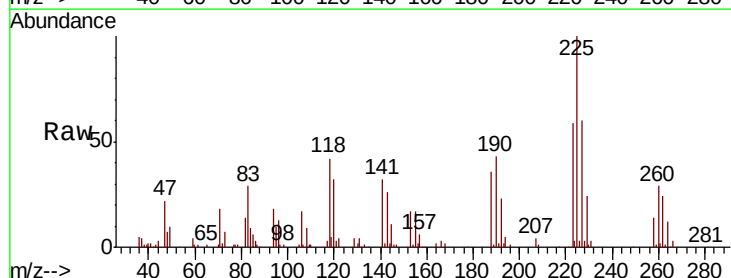
Manual Integrations
 APPROVED

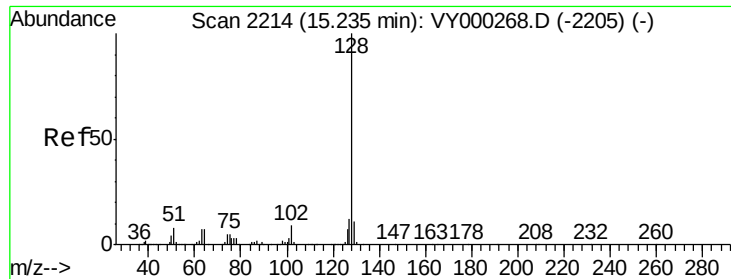
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.722 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000404.D
 Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39442		
223	63.4		31.9	95.7
227	64.3		31.4	94.2





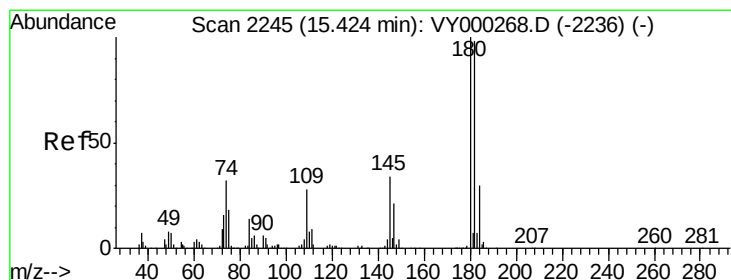
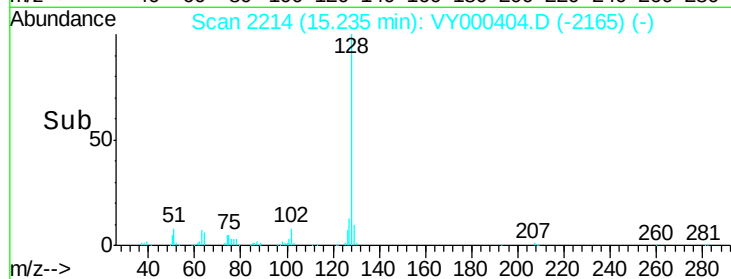
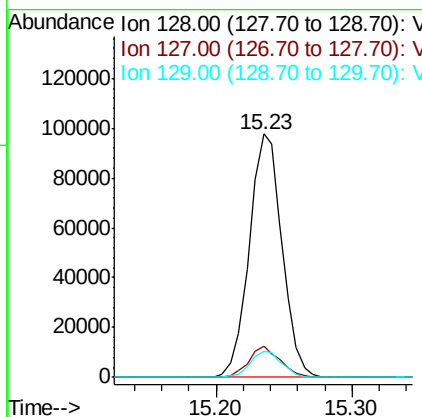
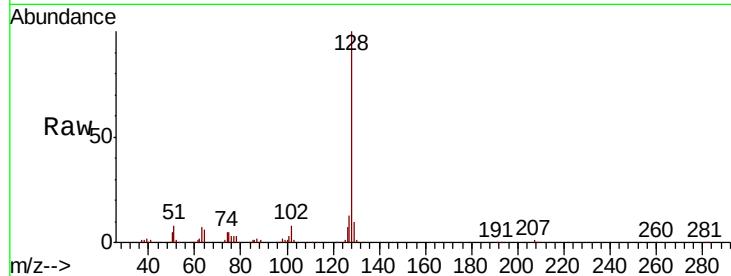
#95
Naphthalene
Concen: 20.988 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	164733		
127	12.0		9.6	14.4
129	10.5		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.600 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000404.D
Acq: 24 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68467		
182	94.8		46.5	139.5
145	31.6		16.2	48.5

