

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000405.D
 Acq On : 24 Oct 2019 13:32
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:31 PM

Quant Time: Oct 25 07:02:32 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	223800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	370331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	331429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	122344	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.73	113	110746	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.19	98	444070	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.48	95	161353	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	45193	23.231	ug/l	95
3) Chloromethane	2.11	50	69714	25.492	ug/l	94
4) Vinyl Chloride	2.25	62	59044	21.393	ug/l	94
5) Bromomethane	2.63	94	36299	17.746	ug/l	96
6) Chloroethane	2.79	64	39321	22.080	ug/l	99
7) Trichlorofluoromethane	3.13	101	82669	21.897	ug/l	99
8) Diethyl Ether	3.54	74	32869	24.645	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	52191	22.795	ug/l	97
10) Methyl Iodide	4.10	142	54665	17.551	ug/l	99
11) Tert butyl alcohol	4.97	59	26825	108.580	ug/l	97
12) 1,1-Dichloroethene	3.88	96	50073	22.153	ug/l	95
13) Acrolein	3.74	56	22362	77.205	ug/l	100
14) Allyl chloride	4.49	41	81739	21.822	ug/l	97
15) Acrylonitrile	5.18	53	79855	106.972	ug/l	99
16) Acetone	3.96	43	78413	102.567	ug/l	99
17) Carbon Disulfide	4.19	76	143944	20.226	ug/l	98
18) Methyl Acetate	4.49	43	43183	22.734	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	143623	22.825	ug/l	95
20) Methylene Chloride	4.72	84	80242	28.852	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	54248	20.919	ug/l	94
22) Diisopropyl ether	6.13	45	178215	22.495	ug/l	96
23) Vinyl Acetate	6.07	43	560495	108.446	ug/l	99
24) 1,1-Dichloroethane	6.03	63	95126	21.998	ug/l	96
25) 2-Butanone	7.00	43	116755	108.413	ug/l	99
26) 2,2-Dichloropropane	7.00	77	88529	22.217	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	64537	22.999	ug/l	96
28) Bromochloromethane	7.35	49	36089	19.441	ug/l	98
29) Tetrahydrofuran	7.36	42	71330	109.289	ug/l	98
30) Chloroform	7.52	83	97789	22.455	ug/l	99
31) Cyclohexane	7.79	56	93804	20.769	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	87242	22.533	ug/l	98
36) 1,1-Dichloropropene	7.93	75	77732	21.439	ug/l	98
37) Ethyl Acetate	7.09	43	46586	21.699	ug/l	99
38) Carbon Tetrachloride	7.91	117	74852	21.322	ug/l	94

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Manual Integrations
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Quant Time: Oct 25 07:02:32 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)
39) Methylcyclohexane	9.19	83	98493	20.755	ug/l	98
40) Benzene	8.17	78	224745	21.449	ug/l	99
41) Methacrylonitrile	7.33	41	27144m	26.562	ug/l	
42) 1,2-Dichloroethane	8.25	62	67443	22.533	ug/l	99
43) Isopropyl Acetate	8.28	43	87595	21.458	ug/l	99
44) Trichloroethene	8.94	130	60780	20.673	ug/l	98
45) 1,2-Dichloropropane	9.22	63	57551	22.382	ug/l	93
46) Dibromomethane	9.31	93	31651	22.019	ug/l	99
47) Bromodichloromethane	9.50	83	74269	21.924	ug/l	97
48) Methyl methacrylate	9.30	41	37568	20.999	ug/l	97
49) 1,4-Dioxane	9.30	88	9558	443.474	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	236359	112.260	ug/l	99
52) Toluene	10.25	92	146833	22.072	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	79020	21.765	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	91278	22.139	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	45747	21.889	ug/l	96
56) Ethyl methacrylate	10.51	69	63125	21.190	ug/l	95
57) 1,3-Dichloropropane	10.80	76	80271	22.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	156713	131.889	ug/l	99
59) 2-Hexanone	10.83	43	175740	118.916	ug/l	98
60) Dibromochloromethane	10.99	129	53494	23.093	ug/l	95
61) 1,2-Dibromoethane	11.09	107	45715	22.781	ug/l	98
64) Tetrachloroethene	10.72	164	64256	20.365	ug/l	98
65) Chlorobenzene	11.52	112	156270	22.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	53859	21.920	ug/l	98
67) Ethyl Benzene	11.59	91	284503	21.941	ug/l	98
68) m/p-Xylenes	11.70	106	214446	43.262	ug/l	99
69) o-Xylene	12.03	106	103592	21.907	ug/l	97
70) Styrene	12.05	104	169212	21.218	ug/l	99
71) Bromoform	12.21	173	31092	22.012	ug/l #	96
73) Isopropylbenzene	12.33	105	275110	21.661	ug/l	99
74) N-amyl acetate	12.14	43	76513	24.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53915	22.610	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	42684m	21.311	ug/l	
77) Bromobenzene	12.61	156	63909	22.614	ug/l	93
78) n-propylbenzene	12.67	91	329299	21.595	ug/l	99
79) 2-Chlorotoluene	12.75	91	181214	21.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	233999	21.972	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	18592	20.310	ug/l	91
82) 4-Chlorotoluene	12.85	91	191203	21.479	ug/l	99
83) tert-Butylbenzene	13.07	119	197076	21.852	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	233119	22.179	ug/l	98
85) sec-Butylbenzene	13.25	105	283407	21.723	ug/l	99
86) p-Isopropyltoluene	13.37	119	254867	22.408	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	120321	21.608	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	123087	22.116	ug/l	99
89) n-Butylbenzene	13.70	91	244275	21.733	ug/l	99
90) Hexachloroethane	13.95	117	45177	21.450	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	113461	22.516	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10136	22.412	ug/l	92

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MSVOA_Y
ClientSampleId :
VY1024SBSD01

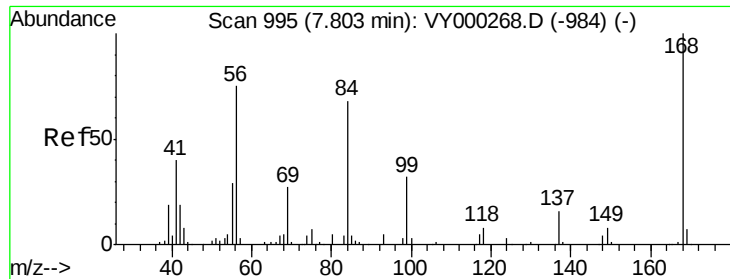
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	15.00	180	80302	22.888	ug/l	98
94) Hexachlorobutadiene	15.11	225	42405	22.334	ug/l	98
95) Naphthalene	15.23	128	178197	22.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	71235	22.528	ug/l	97

(#) = 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: VY000405.D

Acq: 24 Oct 2019 13:32

Tot Ion: 168 Resp: 223800

Ion Ratio Lower Upper

168 100

99 52.0 46.6 69.8

Instrument :

MSVOA_Y

ClientSampleId :

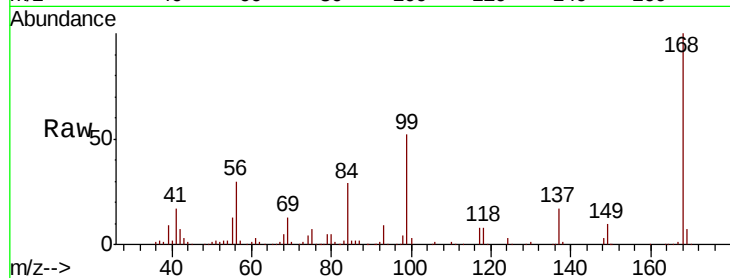
VY1024SBS01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000405.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000405.D (-946) (-)

7.80

100000

80000

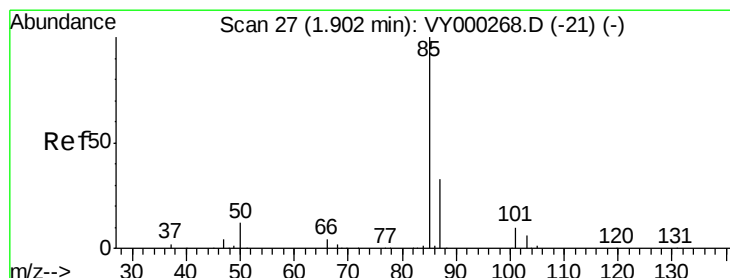
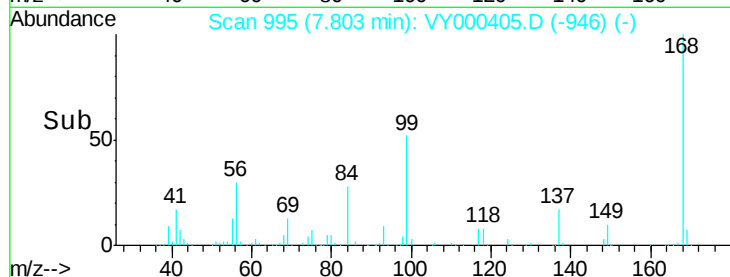
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.231 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000405.D

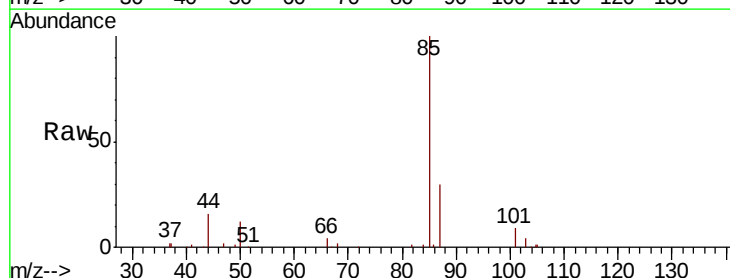
Acq: 24 Oct 2019 13:32

Tgt Ion: 85 Resp: 45193

Ion Ratio Lower Upper

85 100

87 30.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000405.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000405.D (-1) (-)

1.90

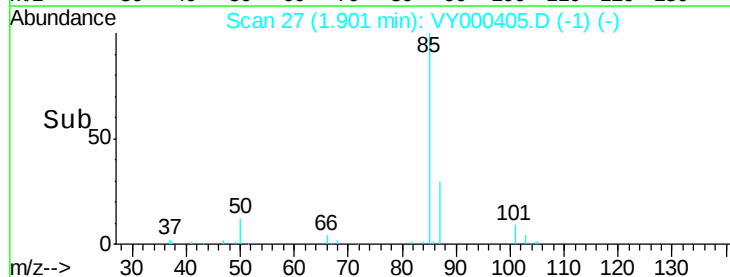
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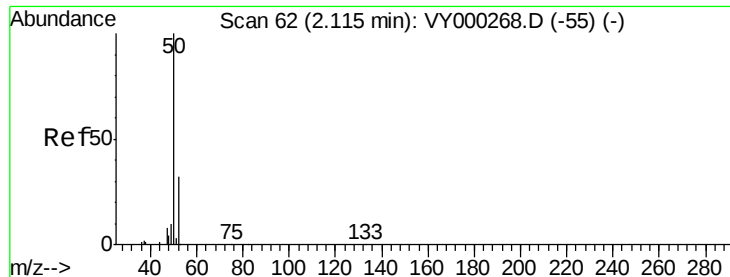
20000

10000

0

Time-->





#3

Chloromethane

Concen: 25.492 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 50 Resp: 69714

Ion Ratio Lower Upper

50 100

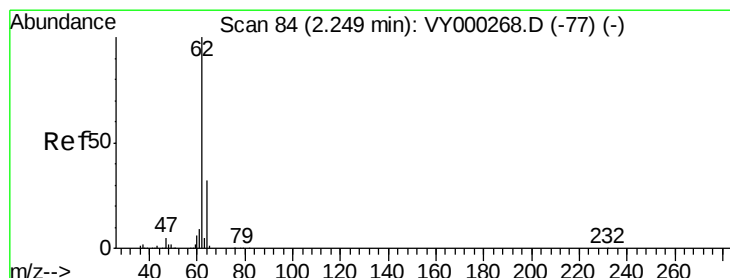
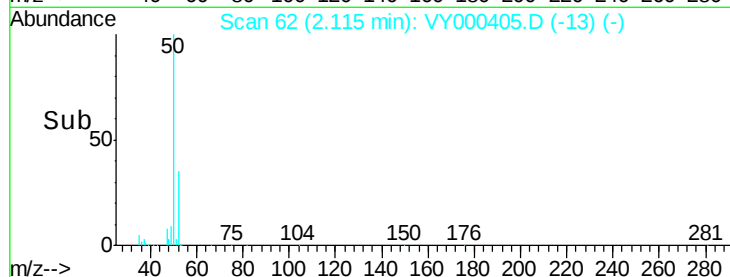
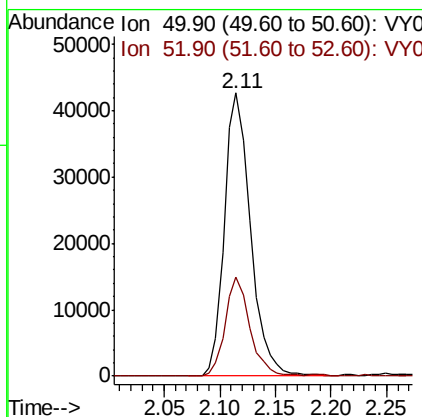
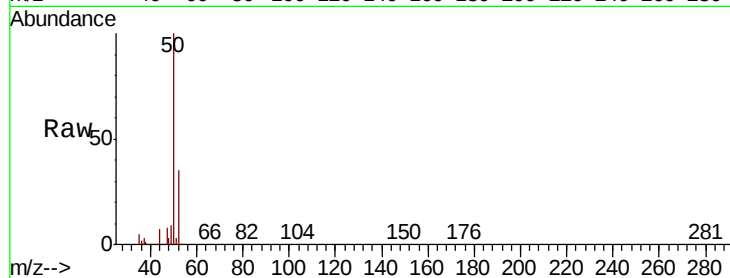
52 34.9 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.393 ug/l

RT: 2.25 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000405.D

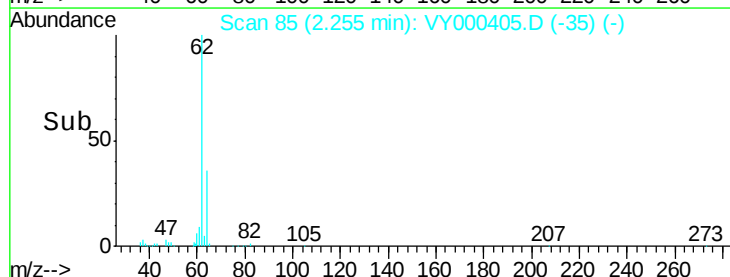
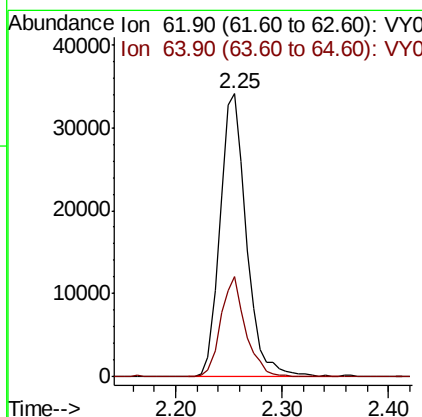
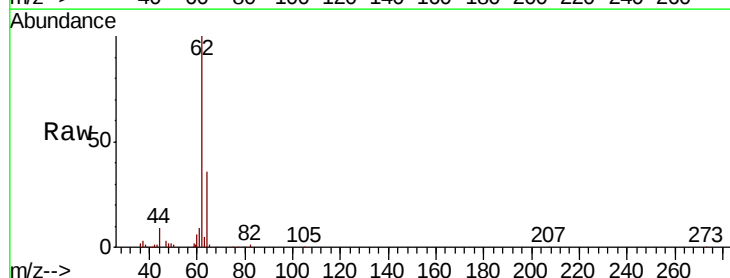
Acq: 24 Oct 2019 13:32

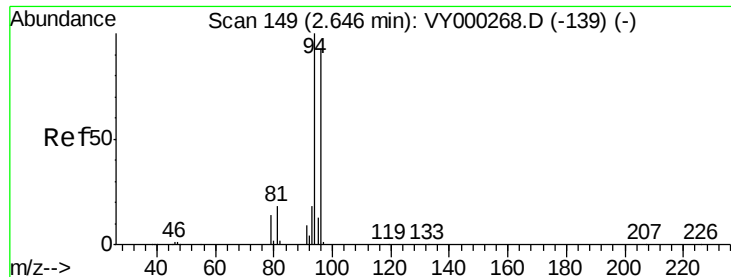
Tgt Ion: 62 Resp: 59044

Ion Ratio Lower Upper

62 100

64 35.6 25.6 38.4





#5

Bromomethane

Concen: 17.746 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 94 Resp: 36299

Ion Ratio Lower Upper

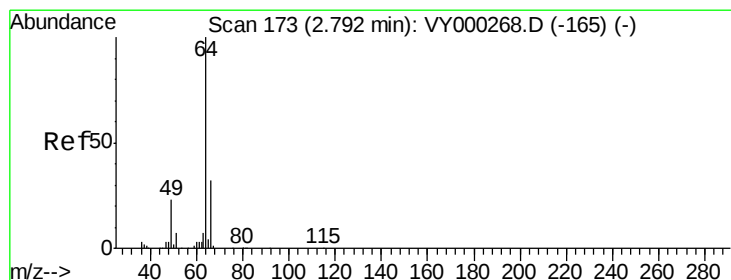
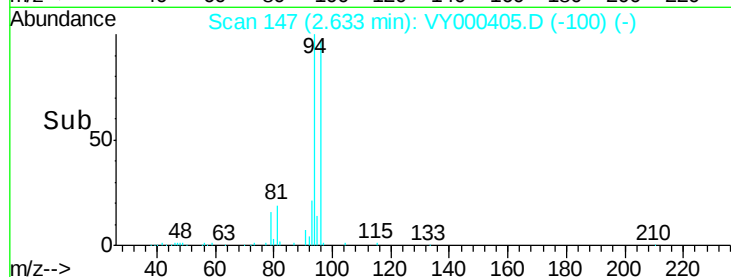
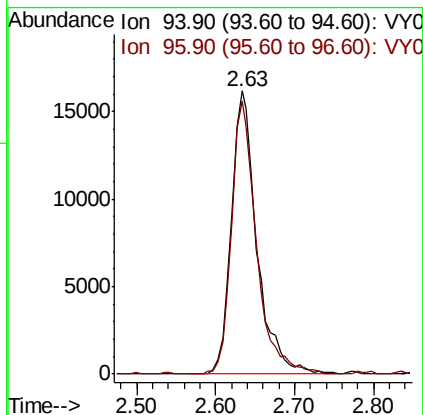
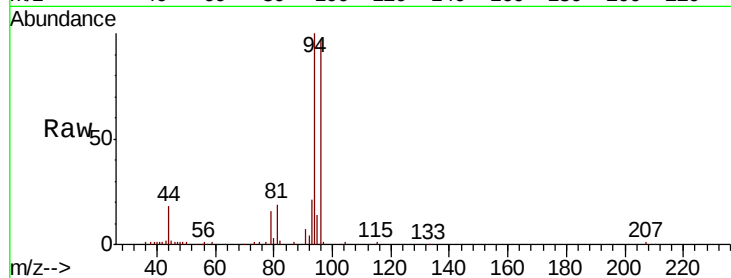
94 100

96 96.7 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 22.080 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000405.D

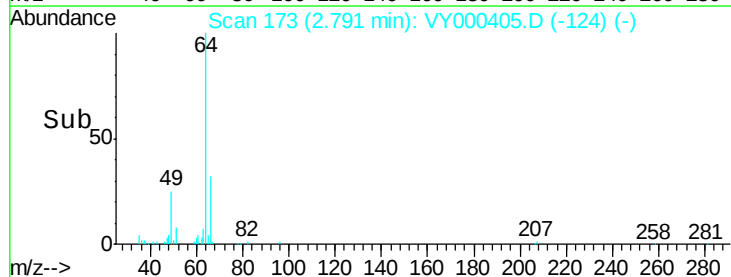
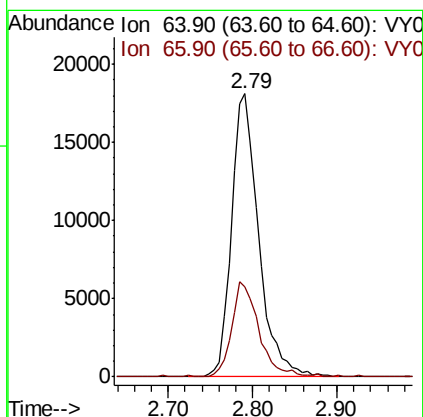
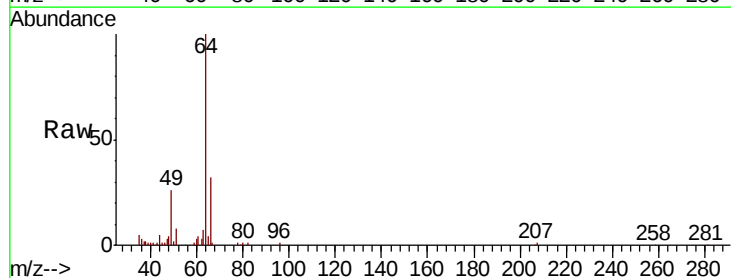
Acq: 24 Oct 2019 13:32

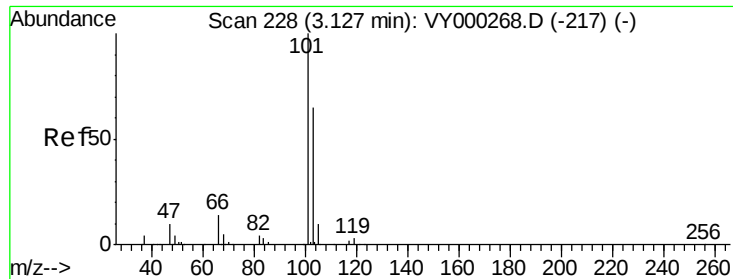
Tgt Ion: 64 Resp: 39321

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

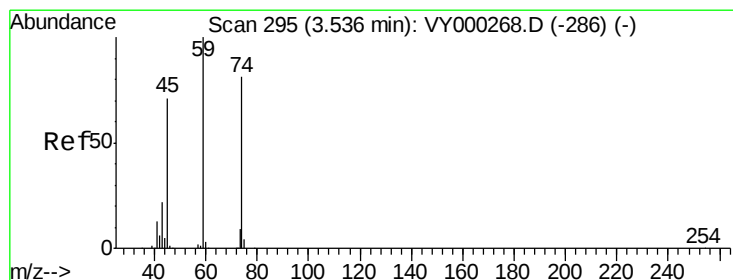
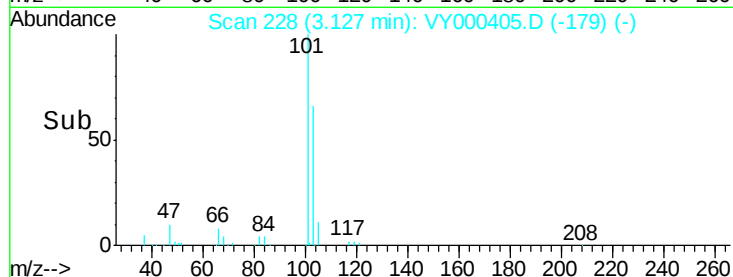
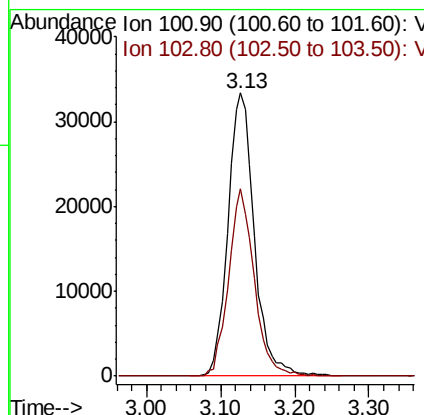
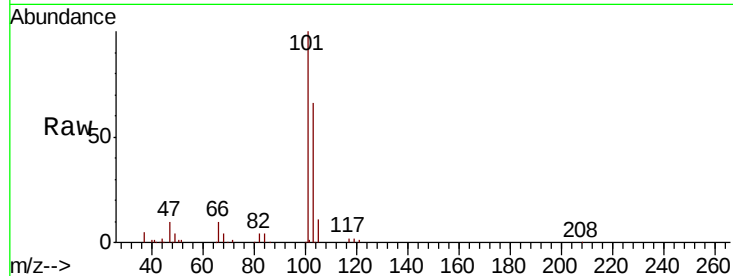
Trichlorofluoromethane
 Concen: 21.897 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.2	78.4

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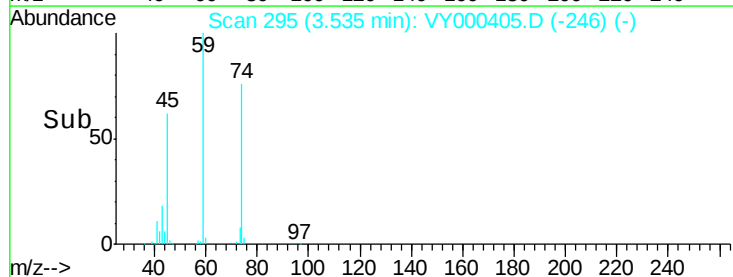
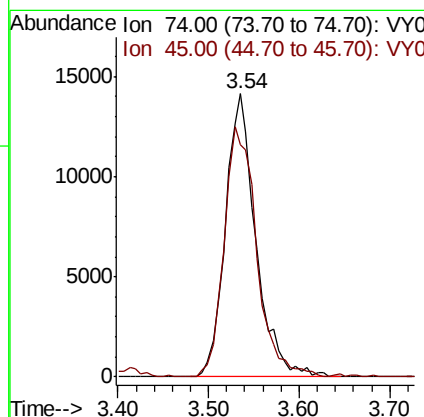
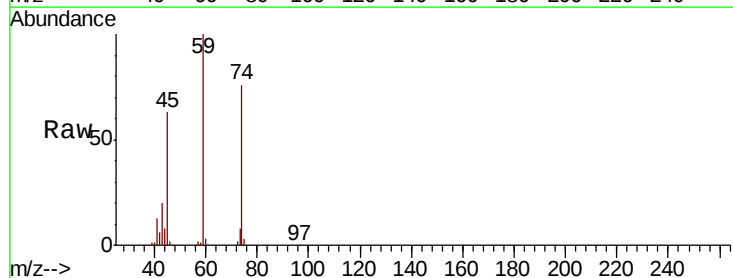
MMDadoda
 10/25/2019 4:46:31 PM

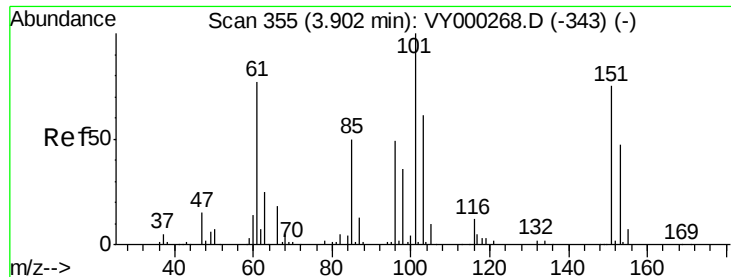


#8

Diethyl Ether
 Concen: 24.645 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	47.1	141.4





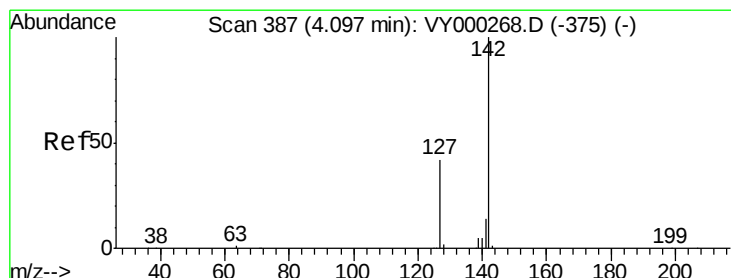
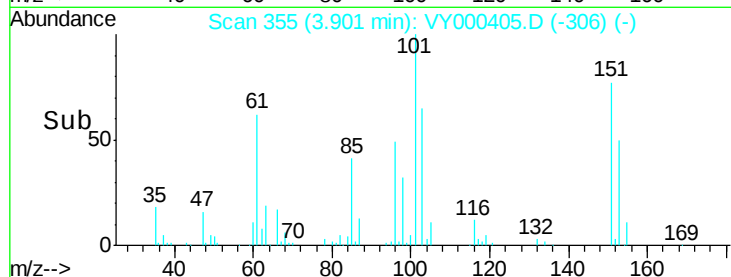
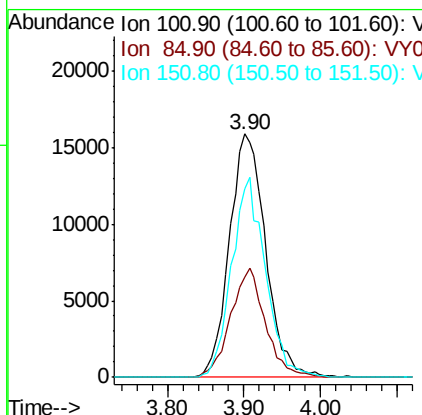
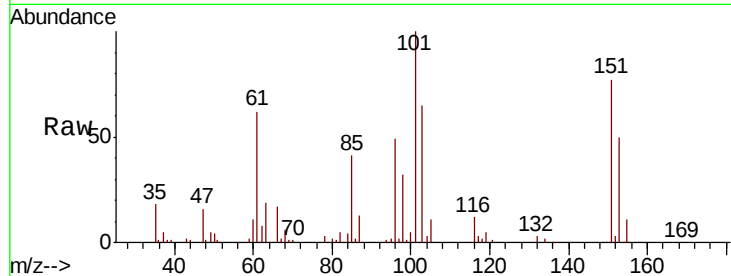
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.795 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.6	55.0
151	76.4	63.1	94.7

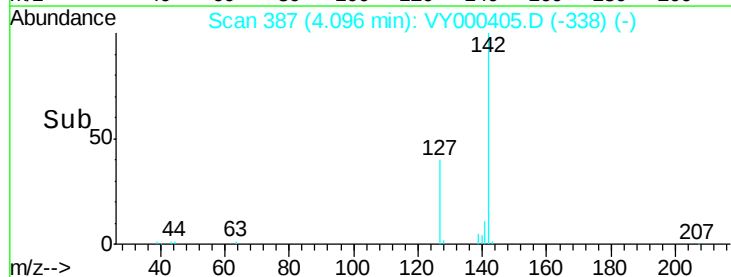
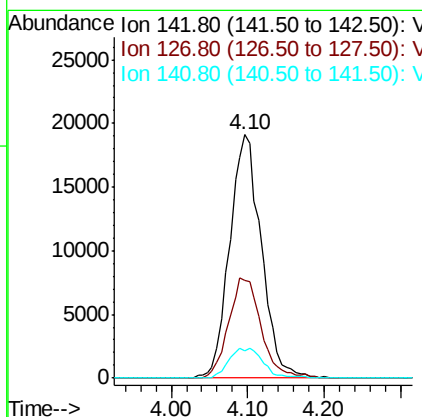
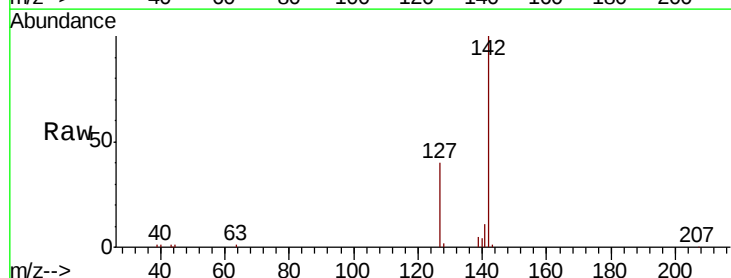
Manual Integrations
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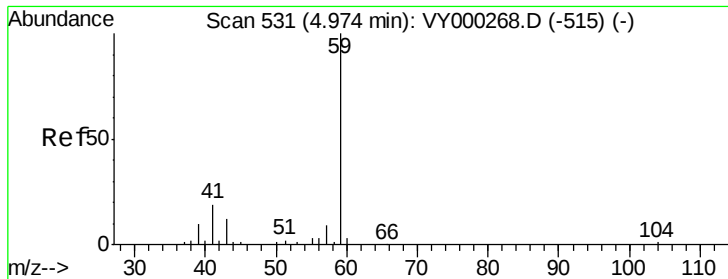
MMDadoda
 10/25/2019 4:46:31 PM



#10
 Methyl Iodide
 Concen: 17.551 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.9	50.9
141	13.1	11.2	16.8





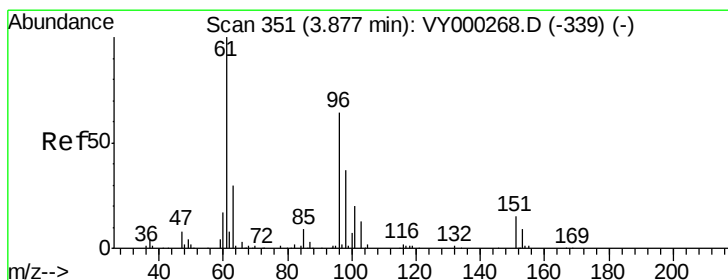
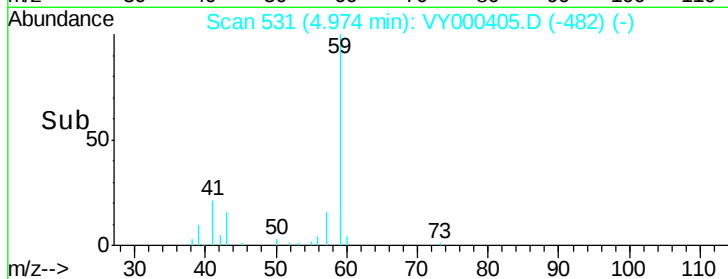
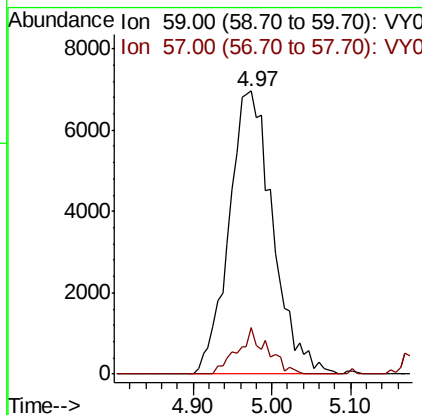
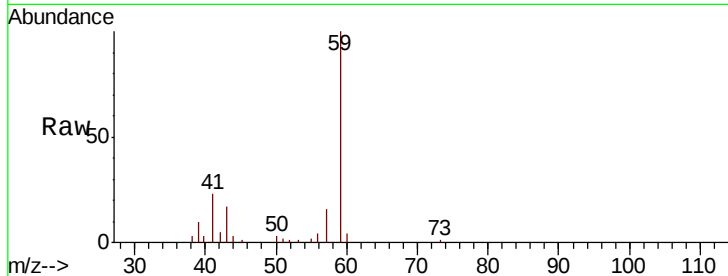
#11
Tert butyl alcohol
Concen: 108.580 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.2	12.2

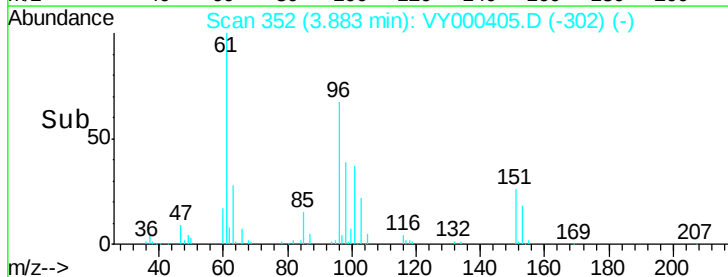
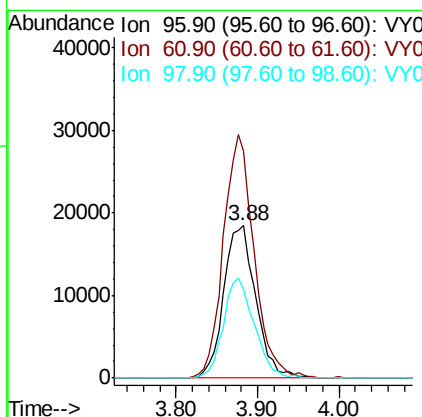
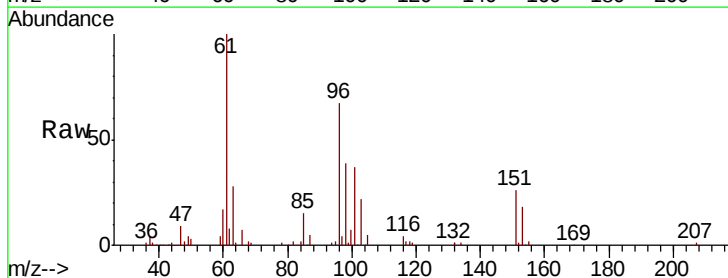
Manual Integrations
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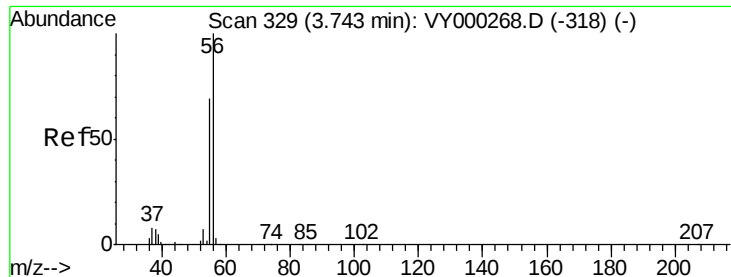
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.153 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.2	125.8	188.6
98	57.9	46.2	69.2





#13

Acrolein

Concen: 77.205 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 56 Resp: 22362

Ion Ratio Lower Upper

56 100

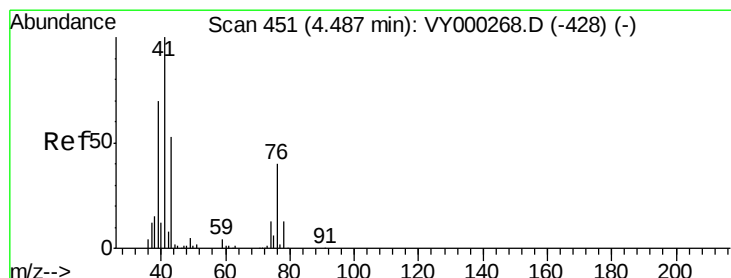
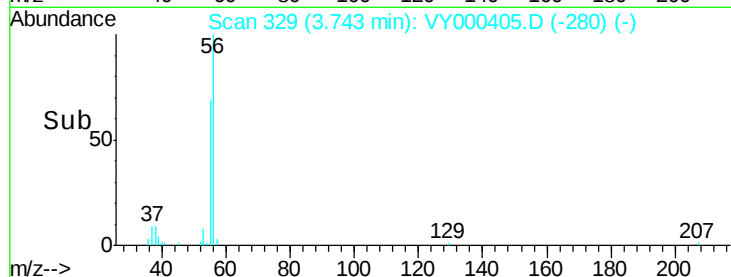
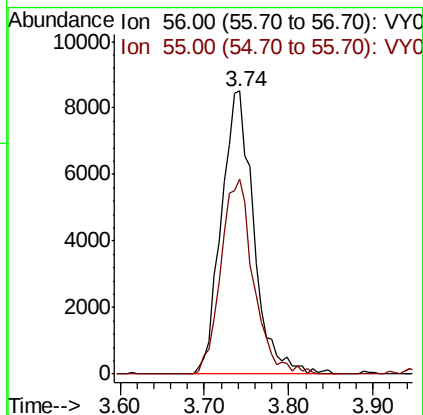
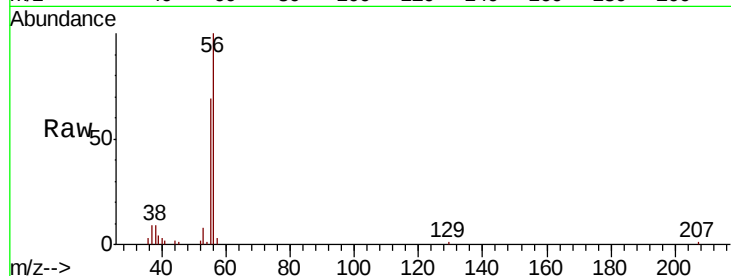
55 69.8 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 21.822 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

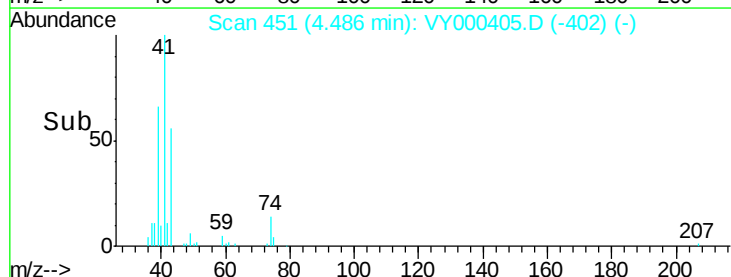
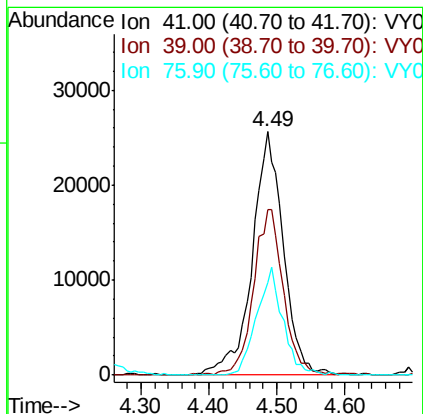
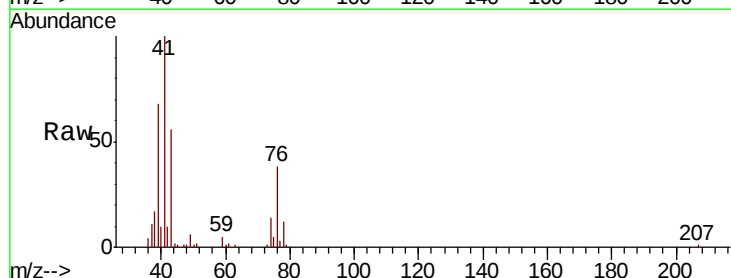
Tgt Ion: 41 Resp: 81739

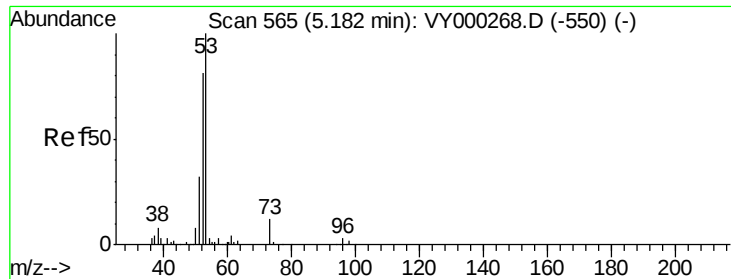
Ion Ratio Lower Upper

41 100

39 64.2 54.0 81.0

76 37.4 30.7 46.1





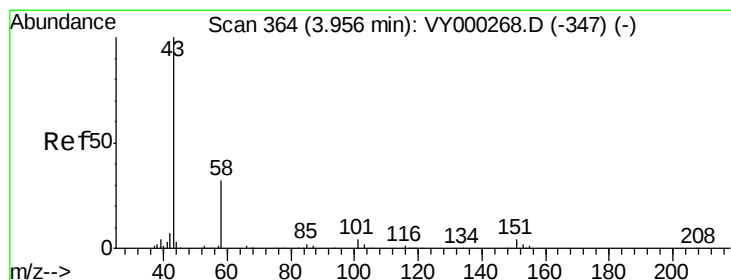
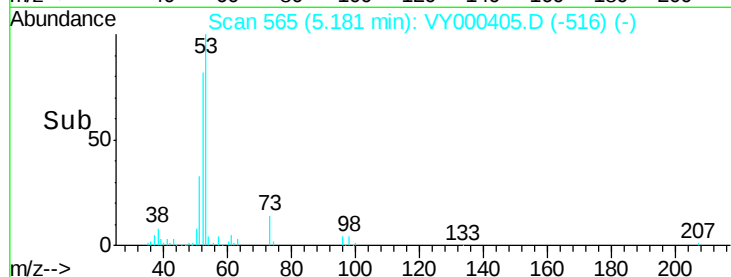
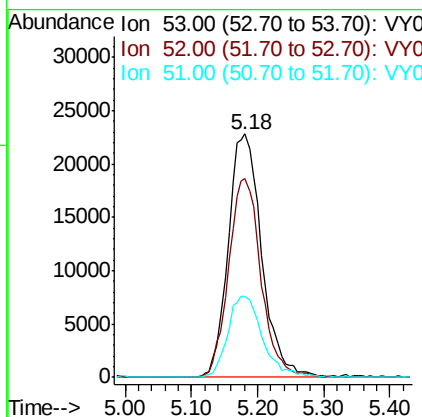
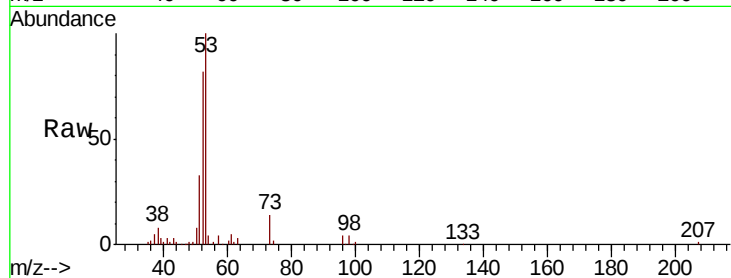
#15
 Acrylonitrile
 Concen: 106.972 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.5	62.9	94.3
51	34.6	26.9	40.3

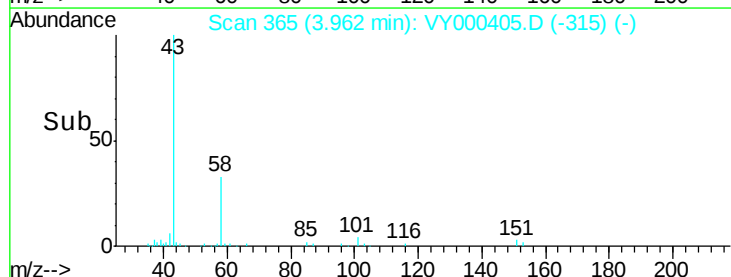
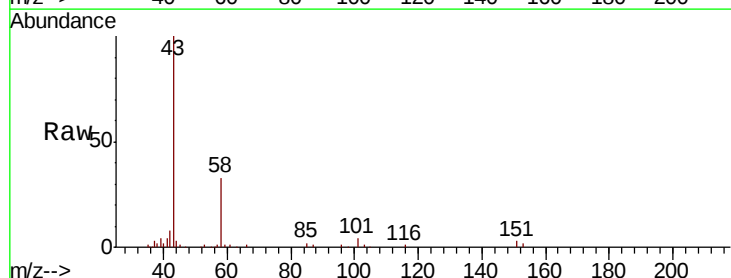
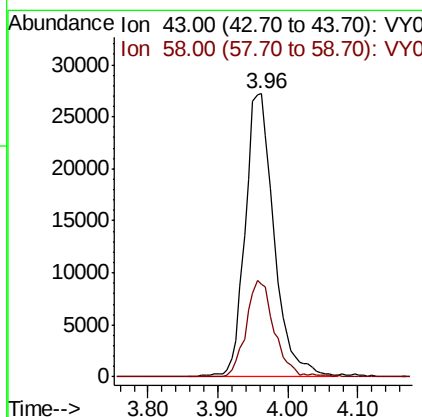
Manual Integrations
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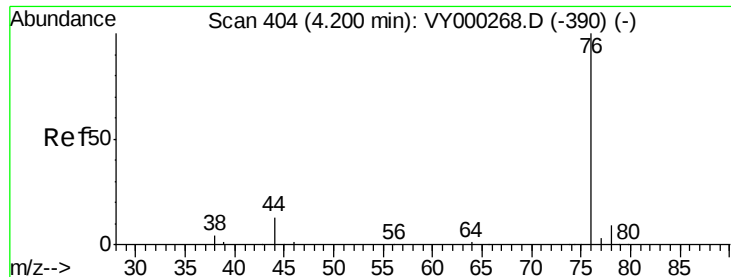
MMDadoda
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#16
 Acetone
 Concen: 102.567 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.8	38.6





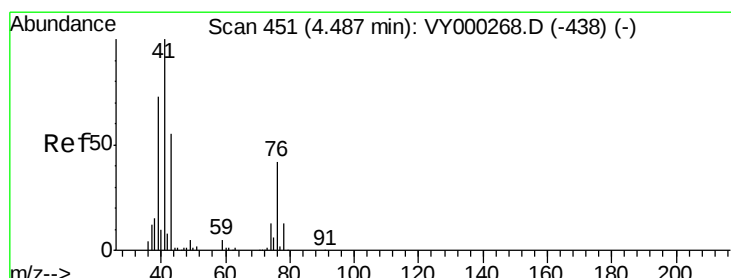
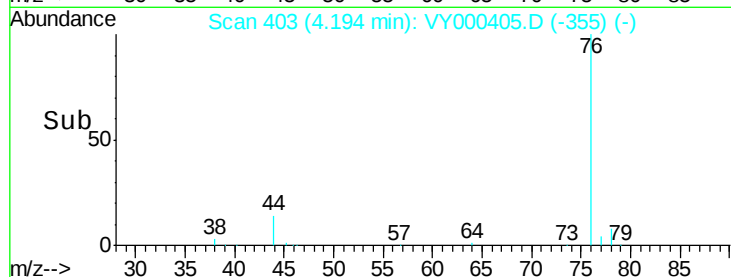
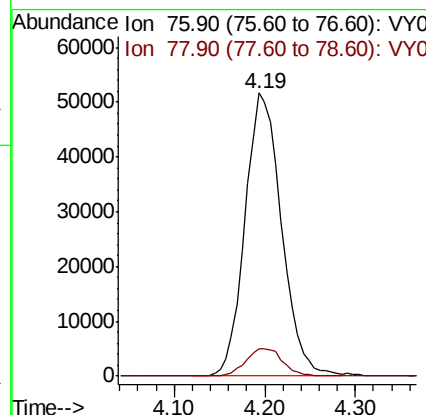
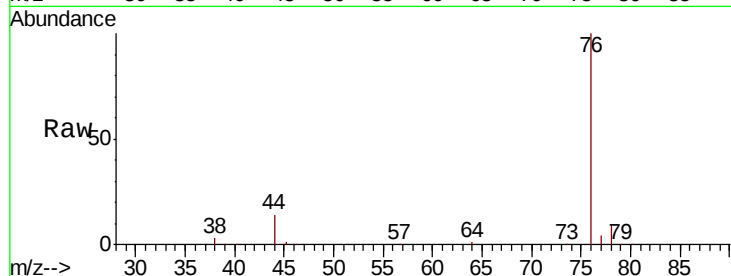
#17
Carbon Disulfide
Concen: 20.226 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

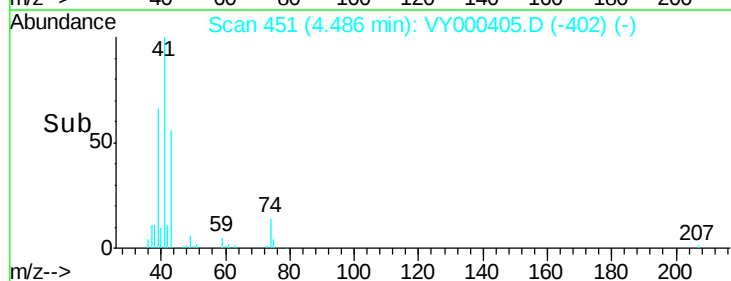
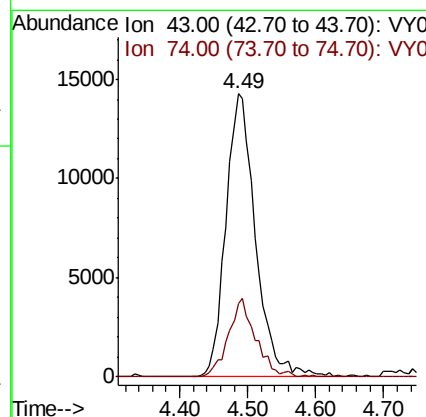
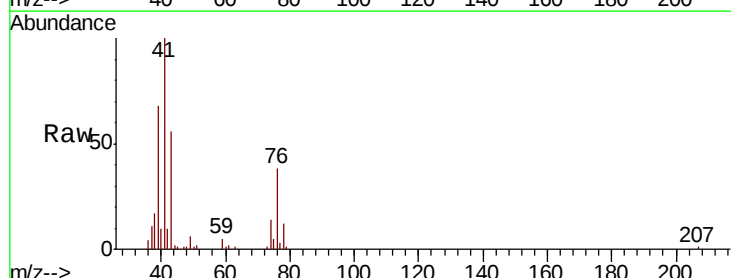
Manual Integrations
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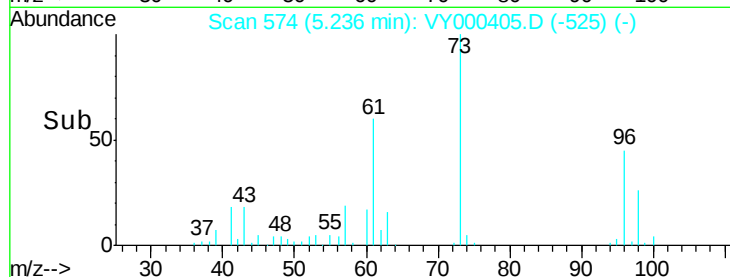
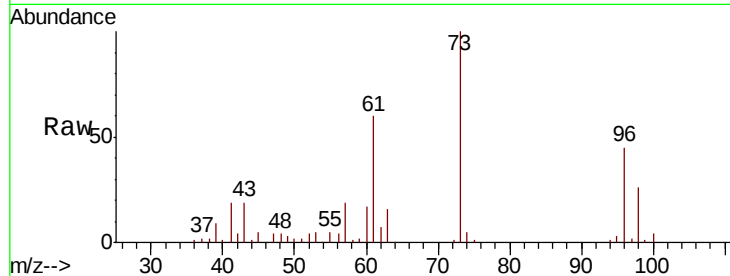
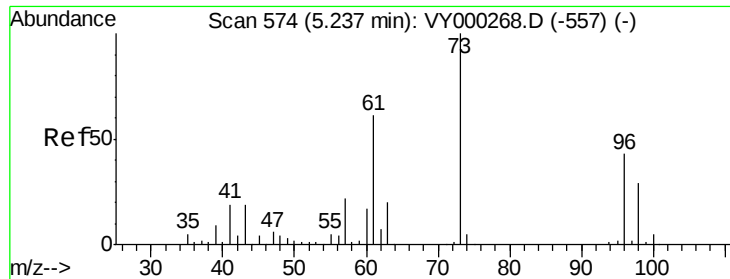
MMDadoda
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#18
Methyl Acetate
Concen: 22.734 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.4	30.6





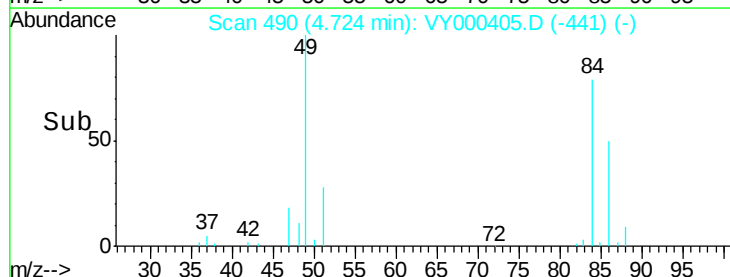
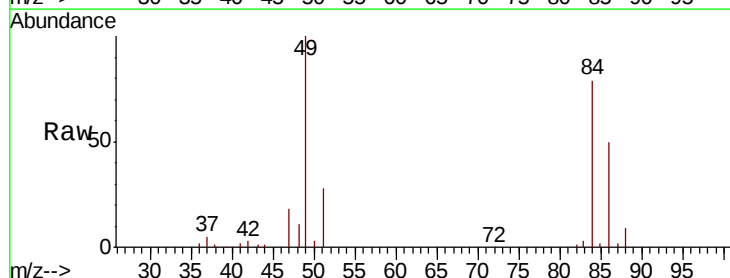
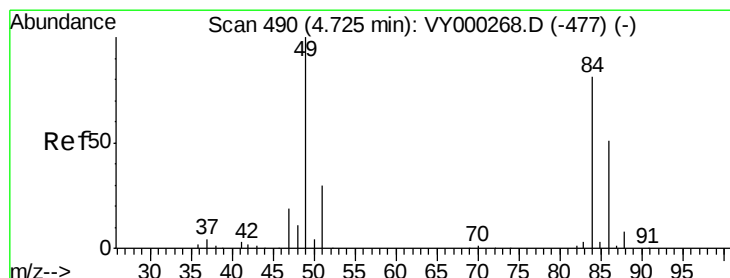
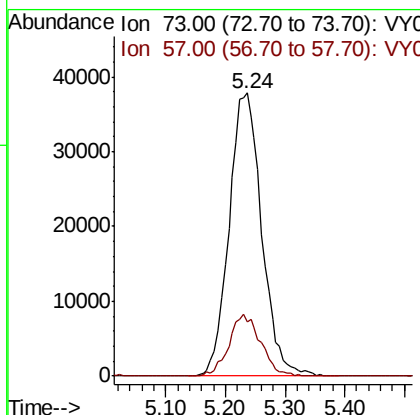
#19
Methyl tert-butyl Ether
Concen: 22.825 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tot Ion: 73 Resp: 143623
Ion Ratio Lower Upper
73 100
57 19.3 17.4 26.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

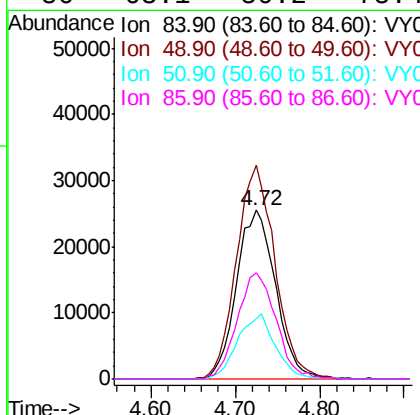
Manual Integrations
APPROVED

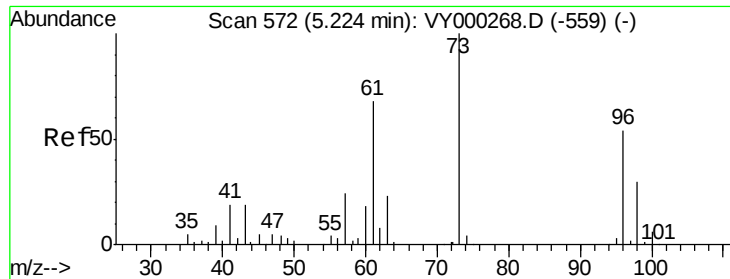
MMDadoda
10/25/2019 4:46:31 PM



#20
Methylene Chloride
Concen: 28.852 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion: 84 Resp: 80242
Ion Ratio Lower Upper
84 100
49 126.5 99.0 148.4
51 35.3 29.3 43.9
86 63.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.919 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 96 Resp: 54248

Ion Ratio Lower Upper

96 100

61 134.1 100.4 150.6

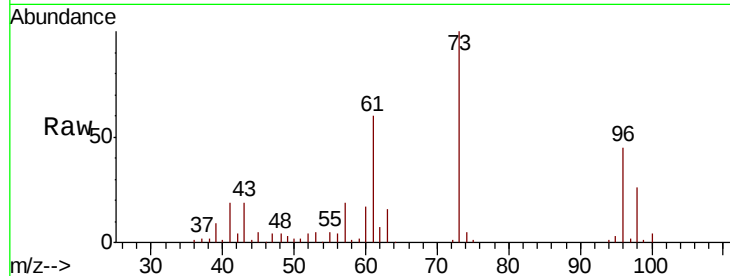
98 58.3 44.6 66.8

Manual Integrations

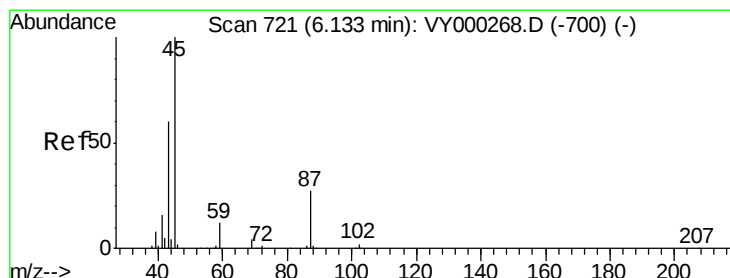
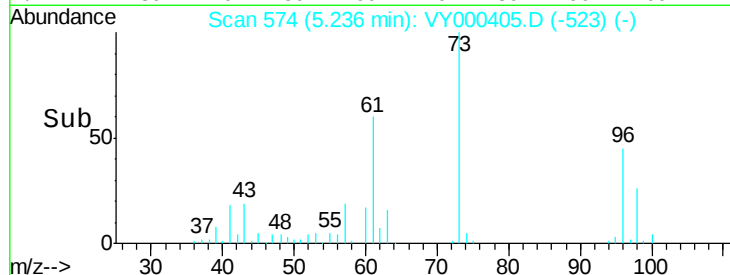
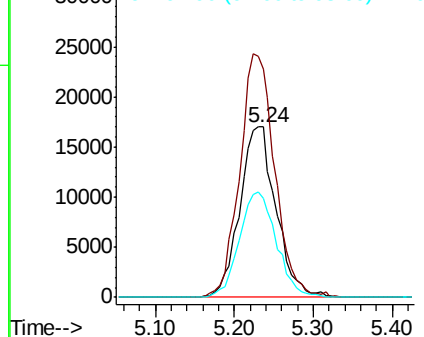
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 22.495 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tgt Ion: 45 Resp: 178215

Ion Ratio Lower Upper

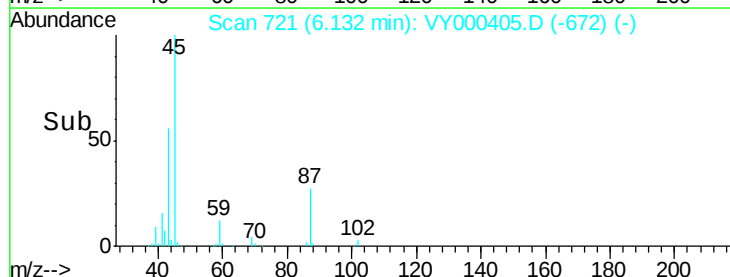
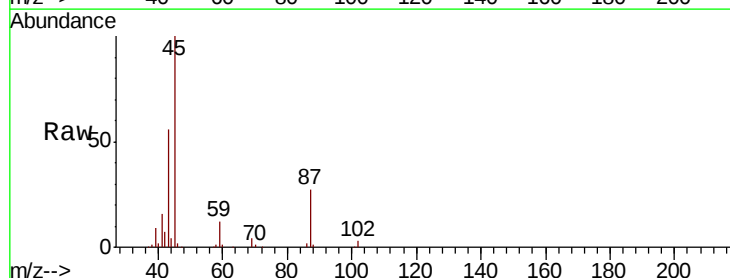
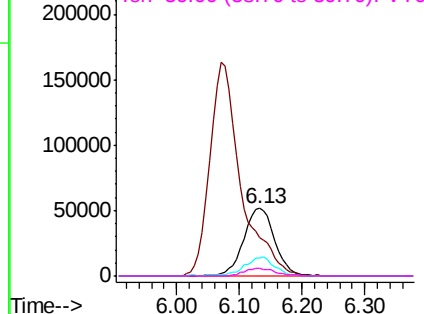
45 100

43 56.2 48.5 72.7

87 27.3 21.5 32.3

59 12.1 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 108.446 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 43 Resp: 560495

Ion Ratio Lower Upper

43 100

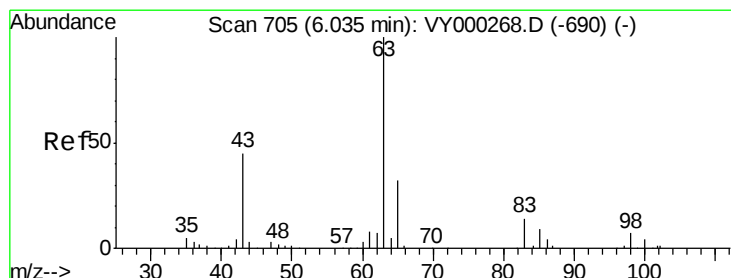
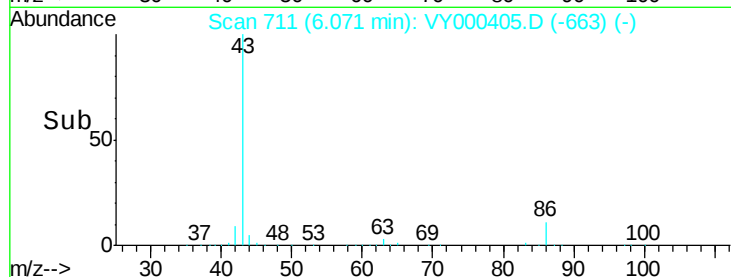
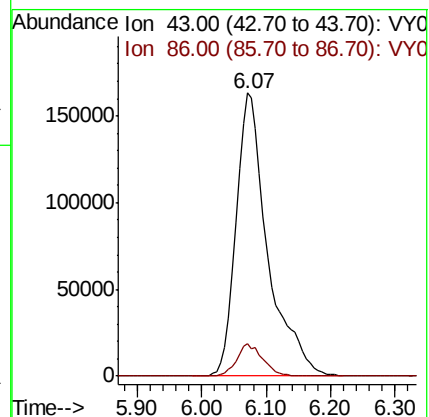
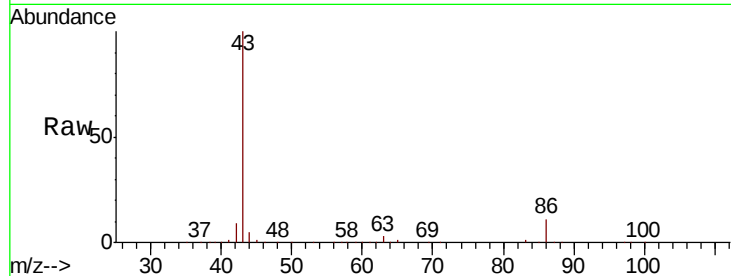
86 11.3 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.998 ug/l

RT: 6.03 min Scan# 705

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

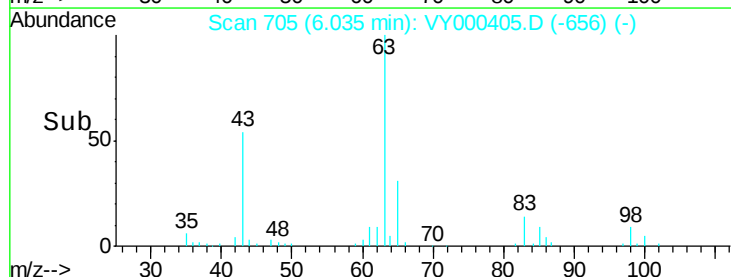
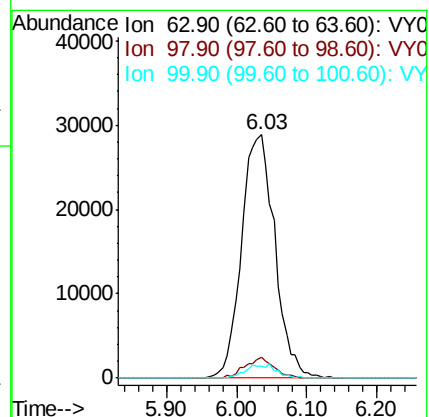
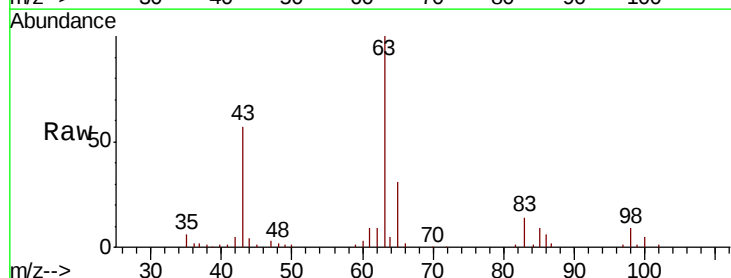
Tgt Ion: 63 Resp: 95126

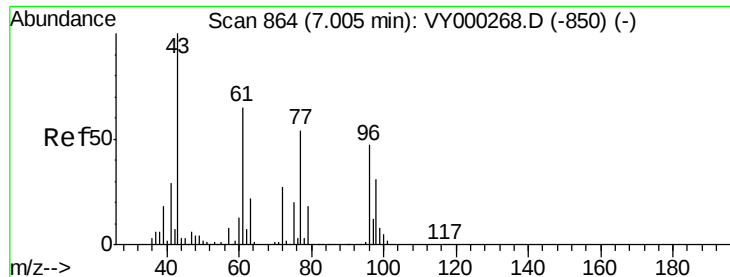
Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.4

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 108.413 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tot Ion: 43 Resp: 116755

Ion Ratio Lower Upper

43 100

72 27.5 21.4 32.2

Instrument :

MSVOA_Y

ClientSampleId :

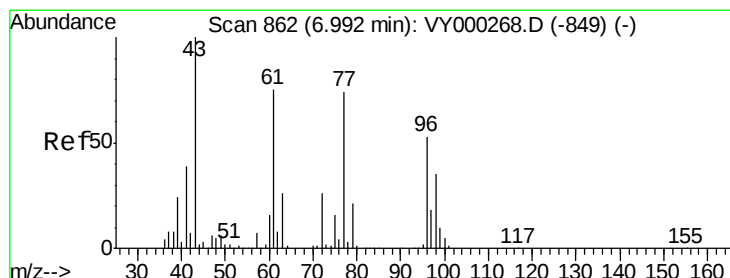
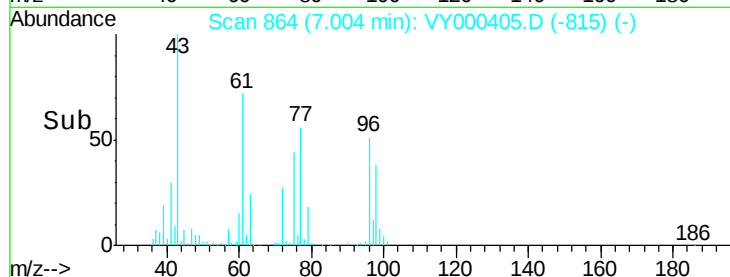
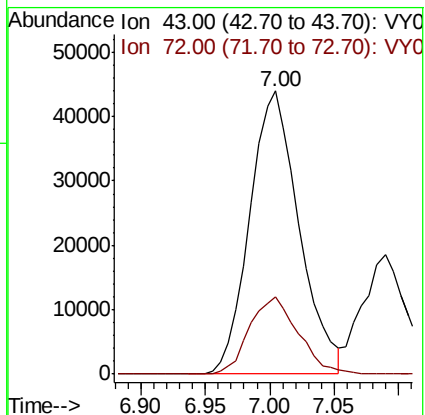
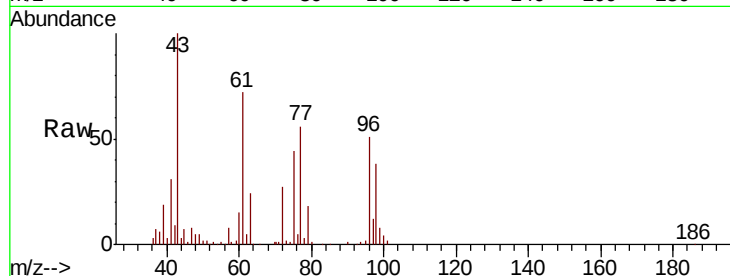
VY1024SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.217 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000405.D

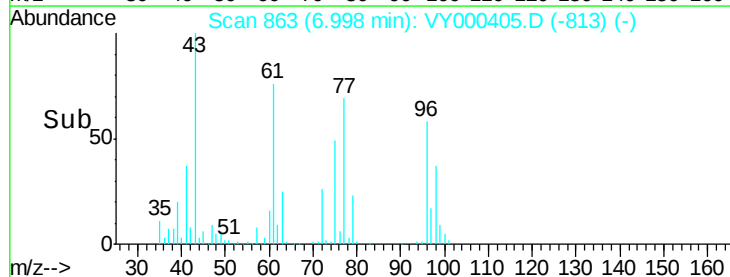
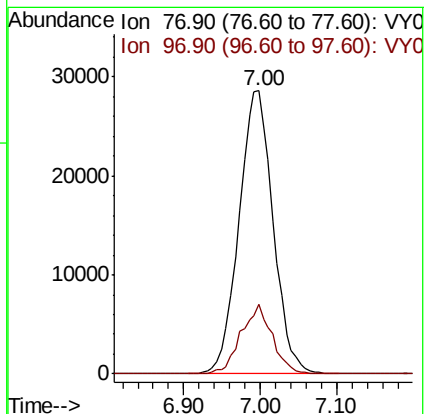
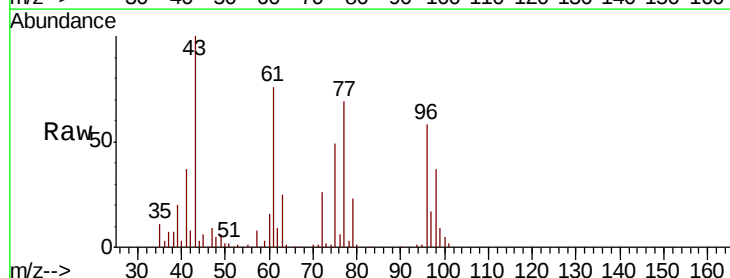
Acq: 24 Oct 2019 13:32

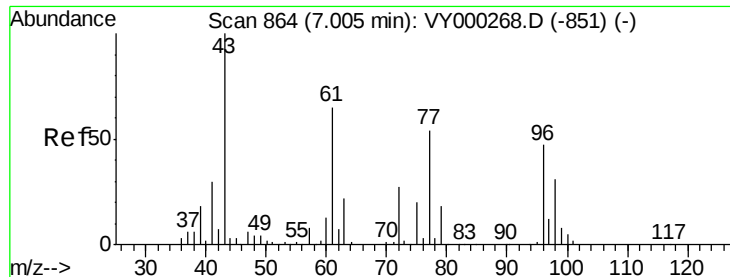
Tgt Ion: 77 Resp: 88529

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7





#27

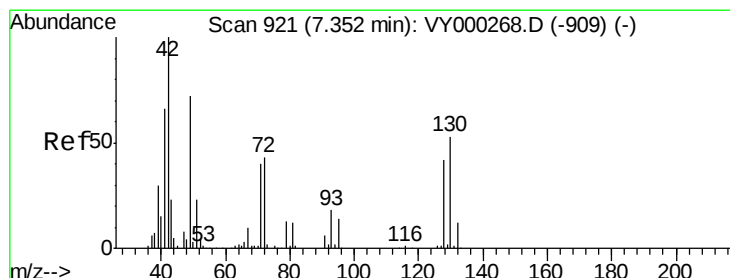
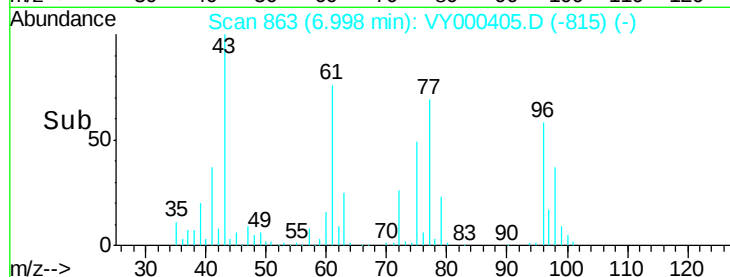
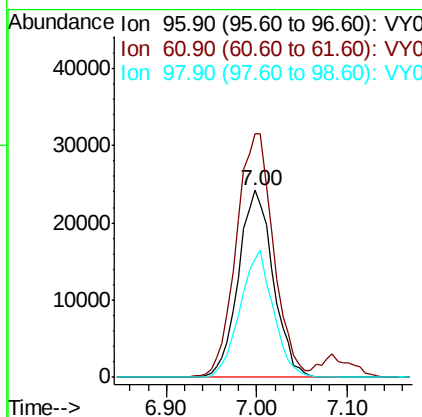
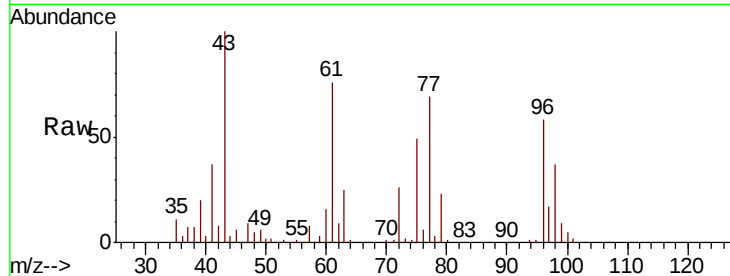
cis-1,2-Dichloroethene
Concen: 22.999 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	289.8
98	64.7	0.0	131.8

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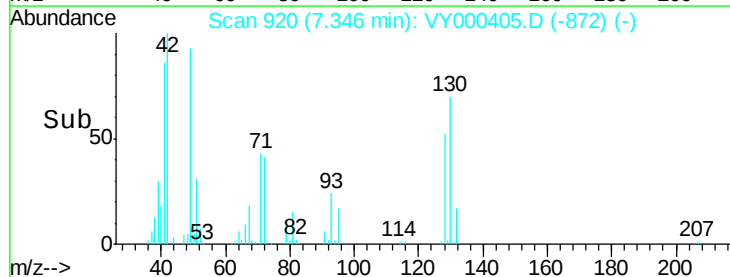
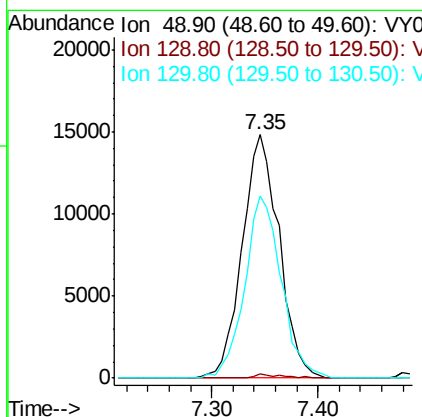
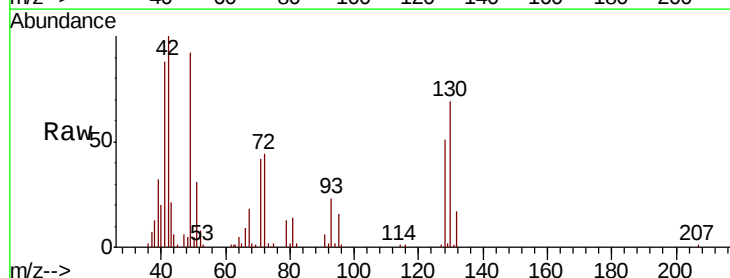
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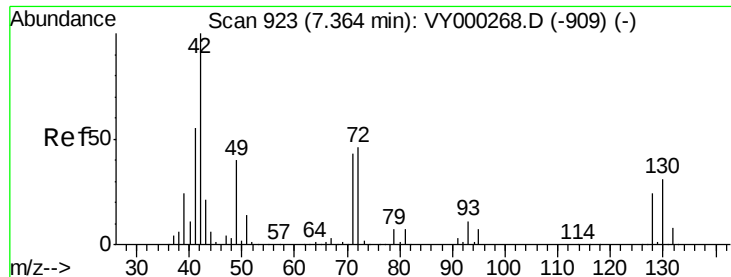


#28

Bromochloromethane
Concen: 19.441 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	74.0	58.2	87.2





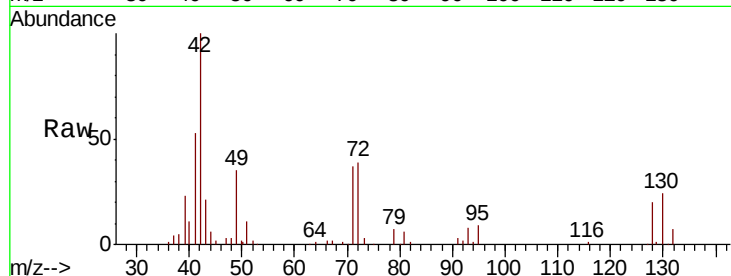
#29
Tetrahydrofuran
Concen: 109.289 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

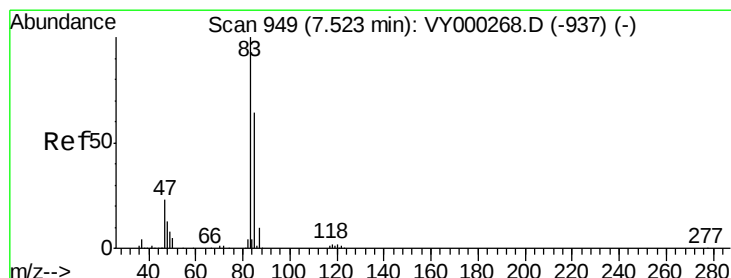
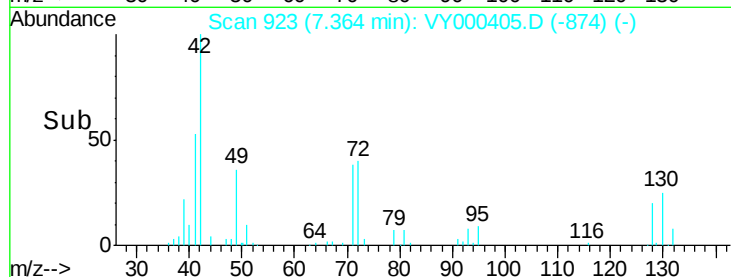
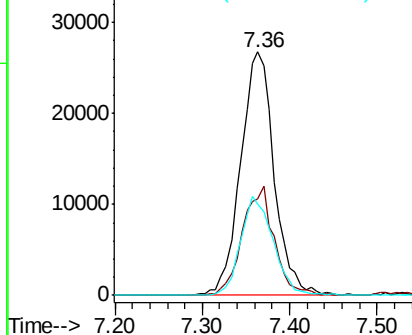
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.5	51.7
71	39.6	32.7	49.1

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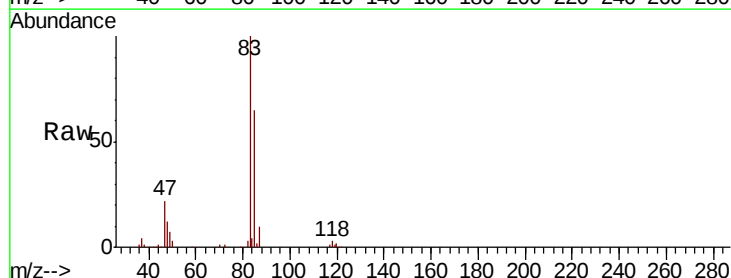


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

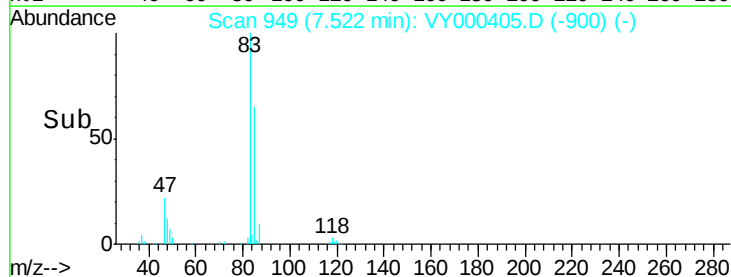
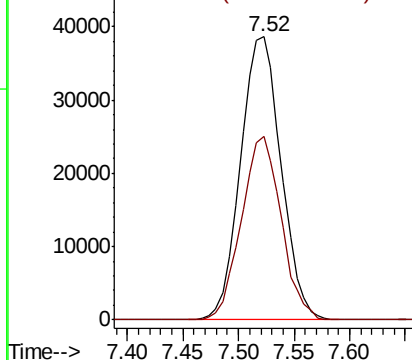


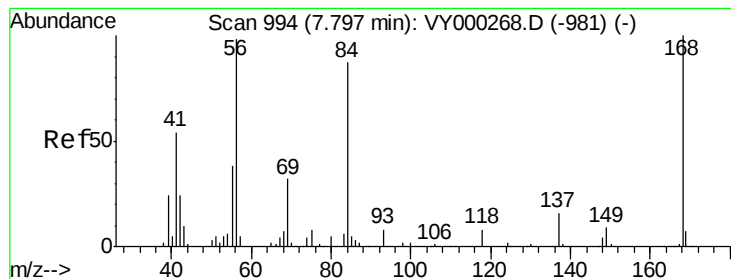
#30
Chloroform
Concen: 22.455 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2



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





#31

Cyclohexane

Concen: 20.769 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

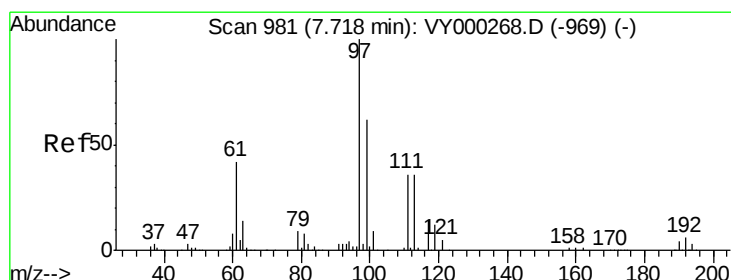
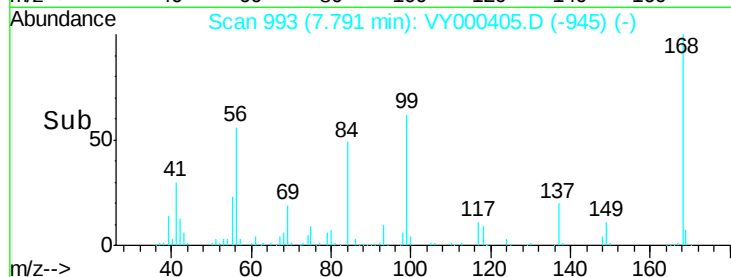
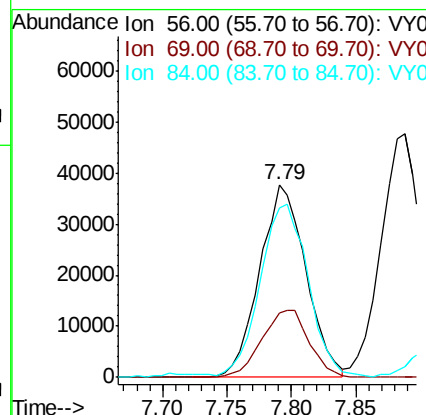
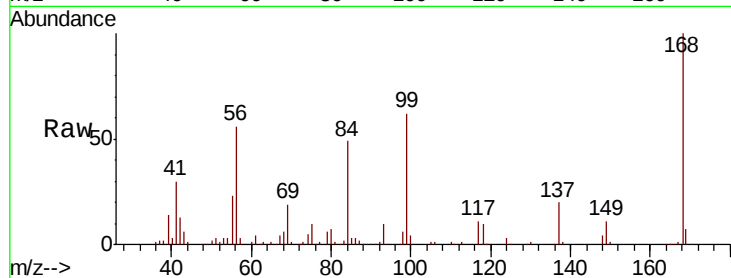
ClientSampleId :

VY1024SBS01

Tot Ion:	56	Resp:	93804
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.3	39.5
84	86.4	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 22.533 ug/l

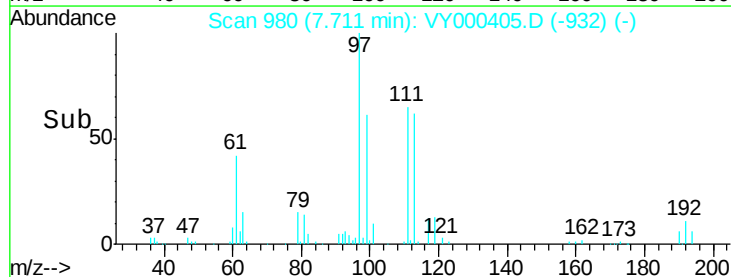
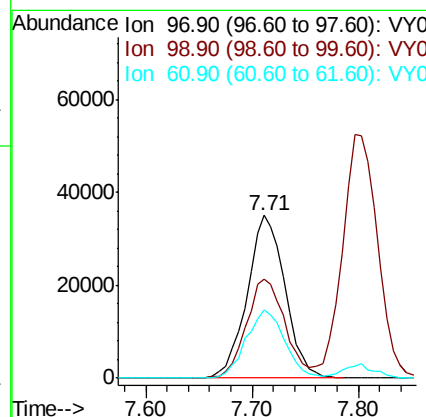
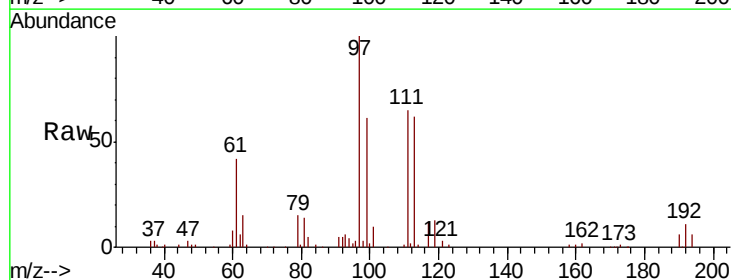
RT: 7.71 min Scan# 980

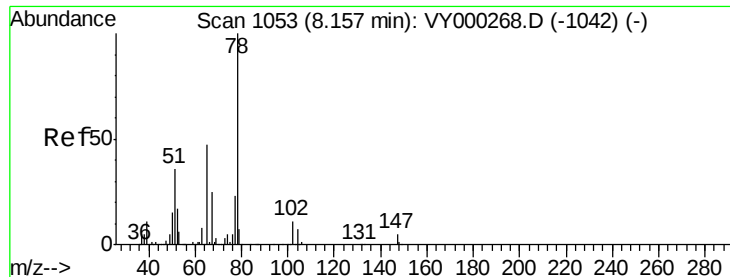
Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tgt Ion:	97	Resp:	87242
Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.7	77.5
61	43.1	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 51.824 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 65 Resp: 122344

Ion Ratio Lower Upper

65 100

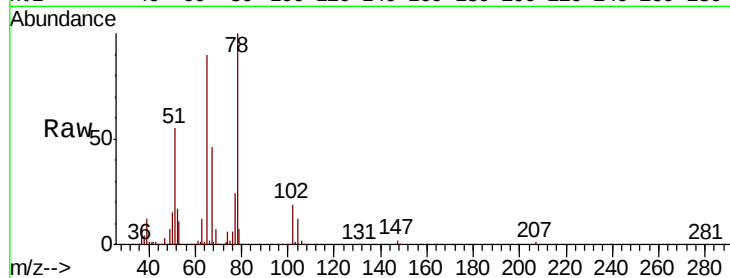
67 53.6 0.0 109.4

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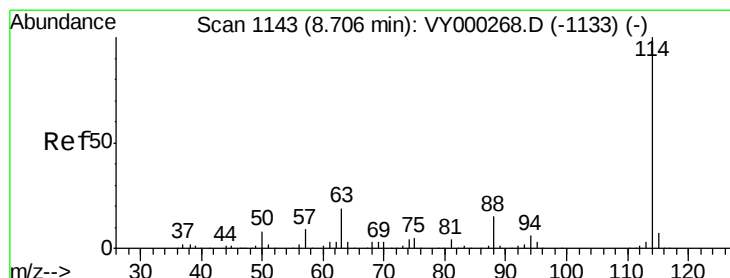
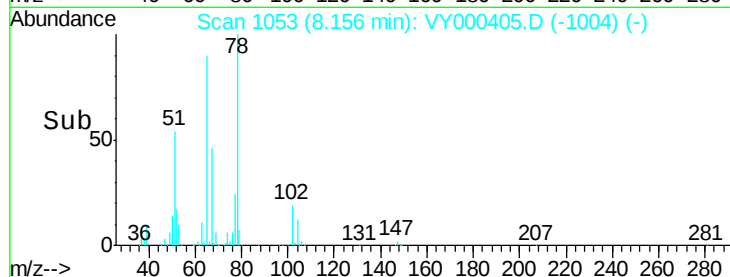
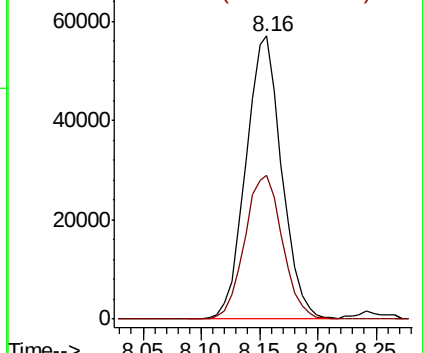
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

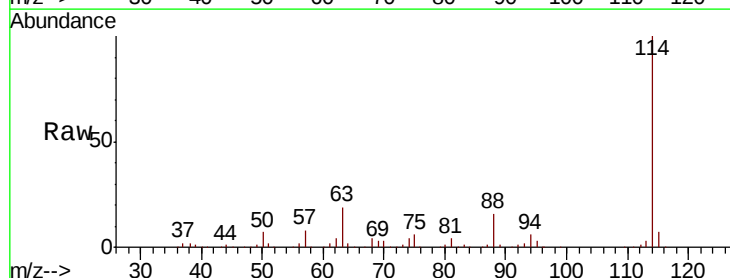
Tgt Ion: 114 Resp: 370331

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

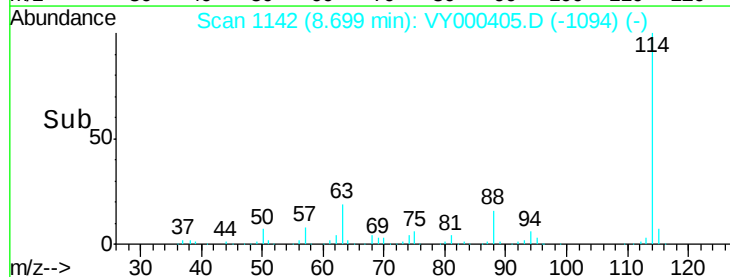
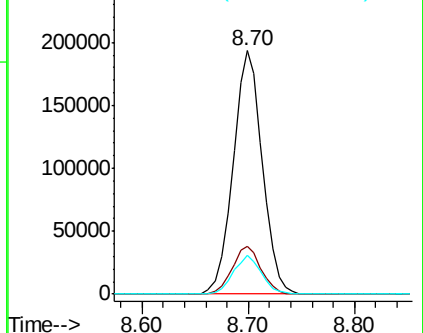
88 15.8 0.0 30.2

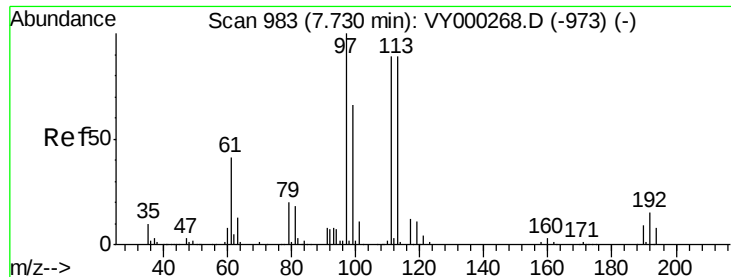


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.576 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

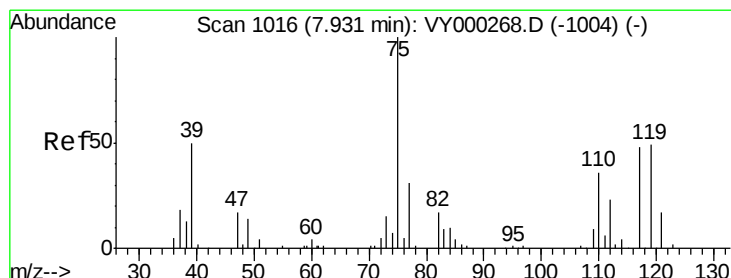
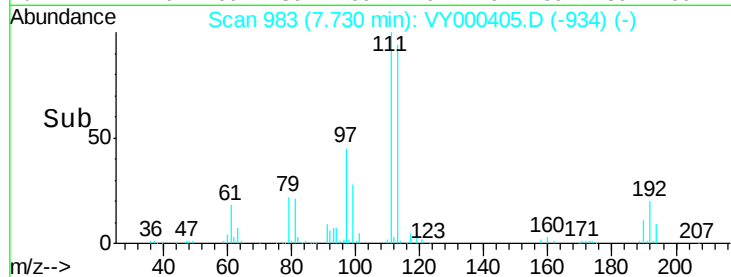
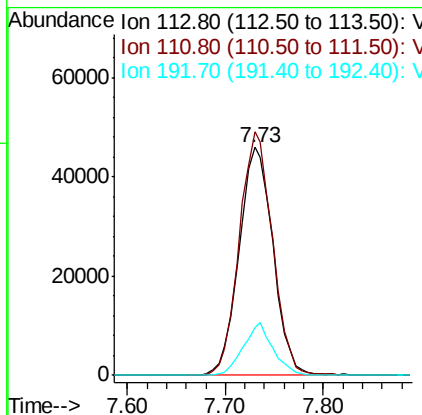
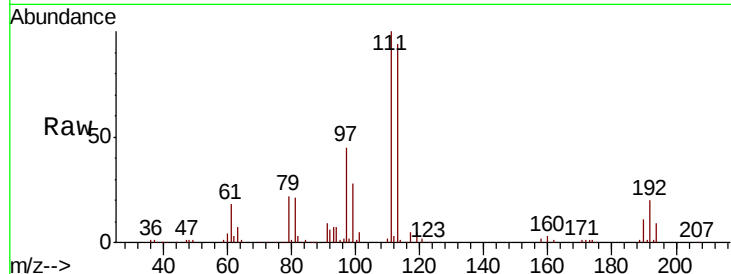
ClientSampleId :

VY1024SBS01

Tot Ion:	113	Resp:	110746
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.6	122.4
192	20.2	15.3	22.9

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#36

1,1-Dichloropropene

Concen: 21.439 ug/l

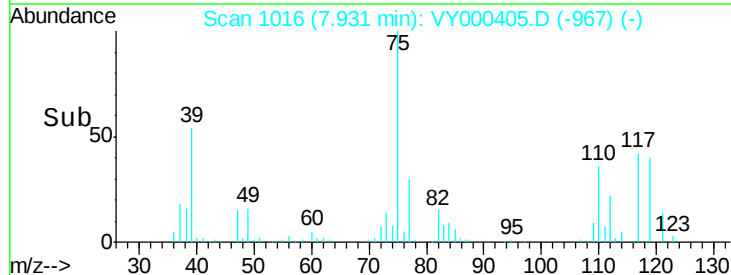
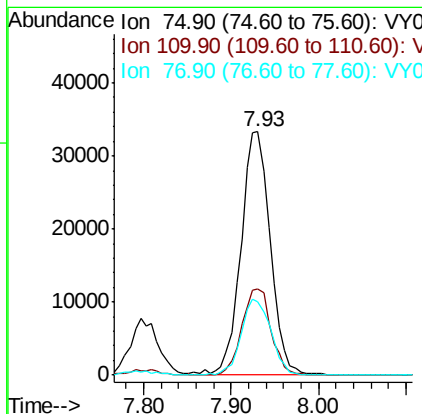
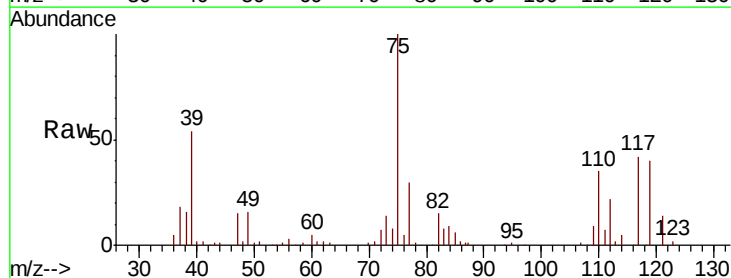
RT: 7.93 min Scan# 1016

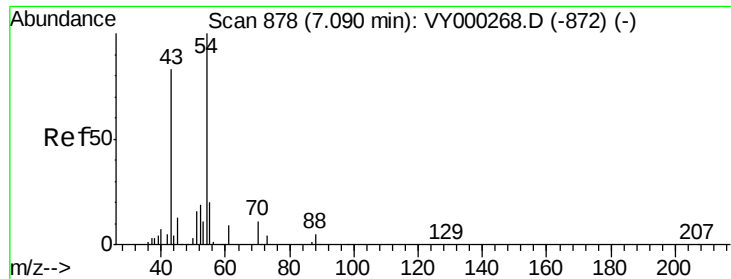
Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tgt Ion:	75	Resp:	77732
Ion Ratio	Lower	Upper	
75	100		
110	35.0	18.4	55.4
77	31.5	25.0	37.6





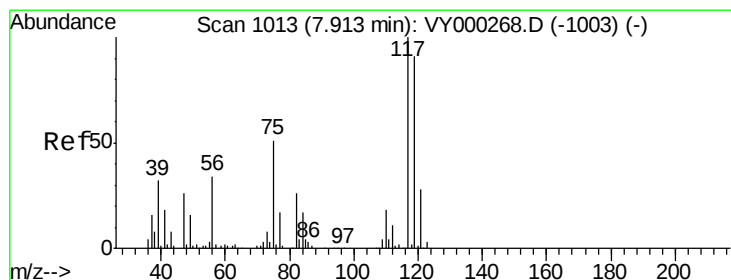
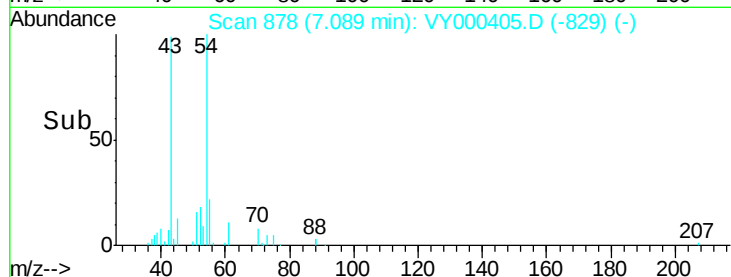
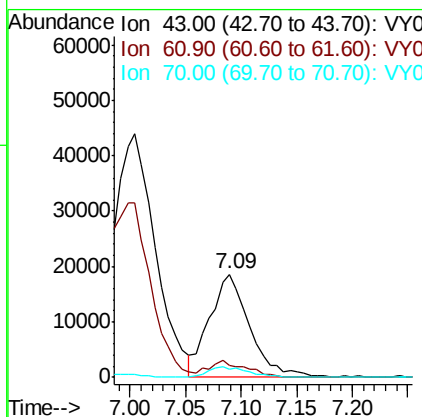
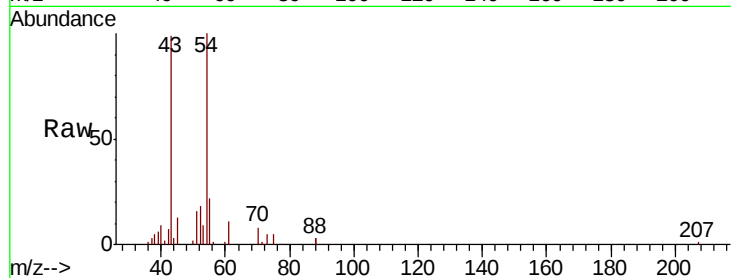
#37
Ethyl Acetate
Concen: 21.699 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	10.0	8.7	13.1

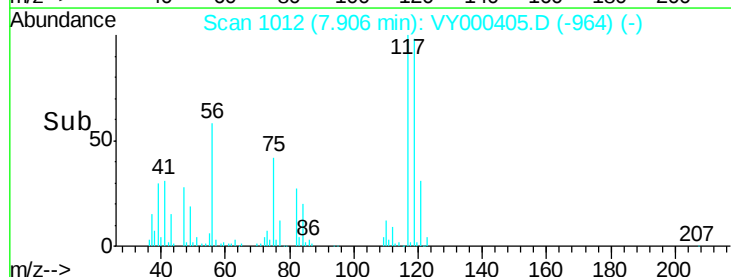
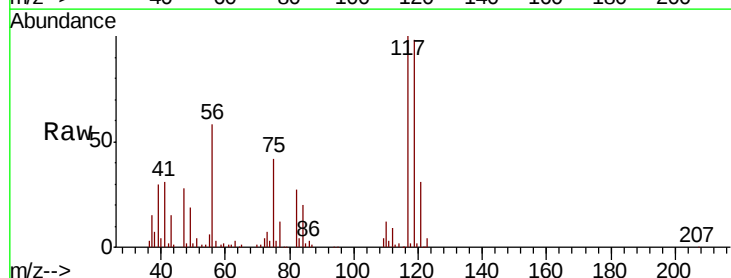
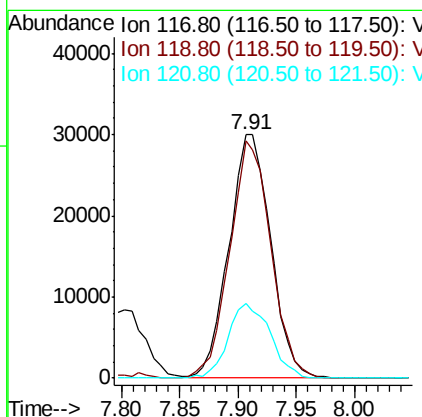
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#38
Carbon Tetrachloride
Concen: 21.322 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	72.8	109.2
121	30.6	22.2	33.2





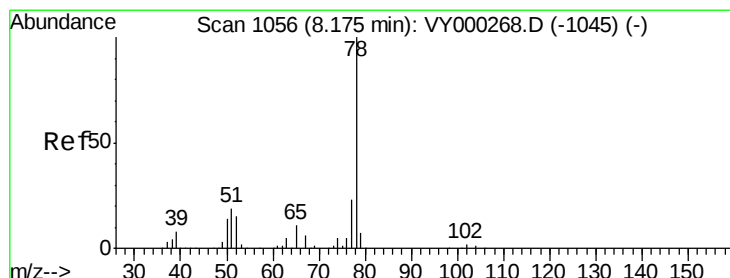
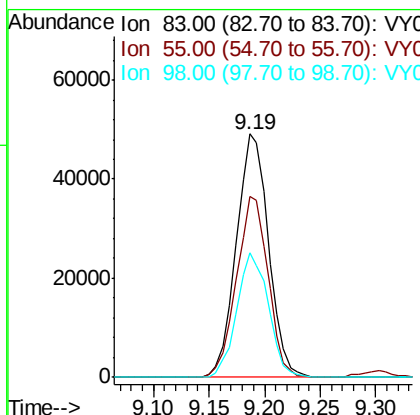
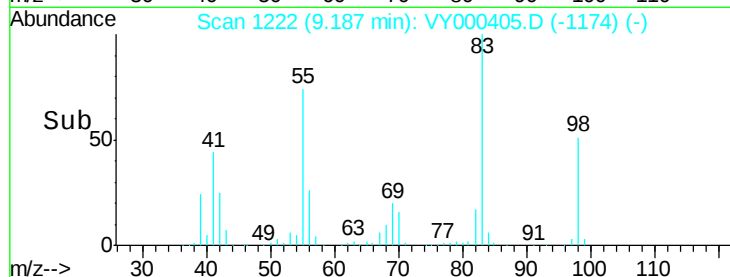
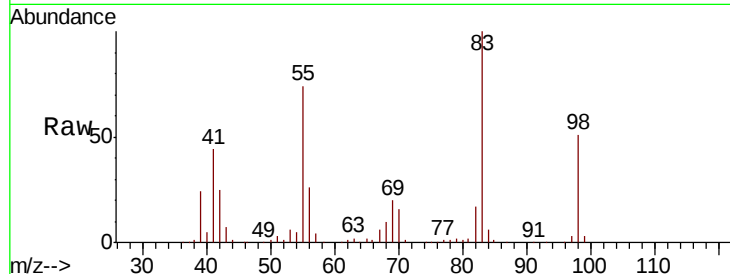
#39
Methylvlcyclohexane
Concen: 20.755 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	83.00	Resp	98493
Ion Ratio	Lower	Upper	
83	100		
55	74.3	60.9	91.3
98	51.3	41.8	62.6

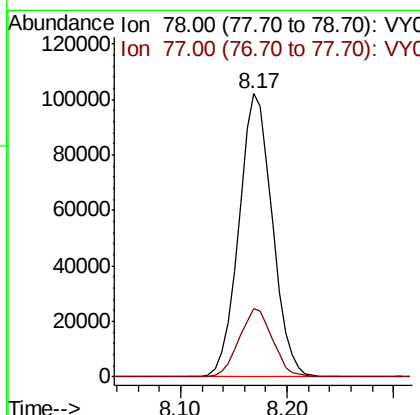
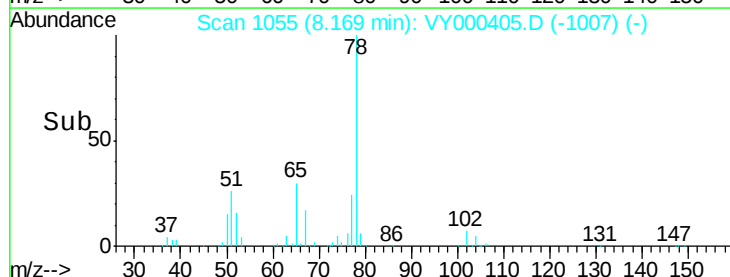
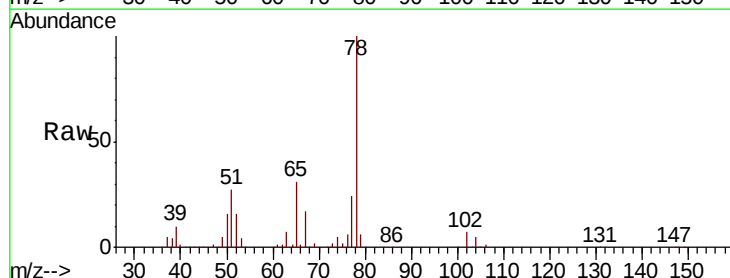
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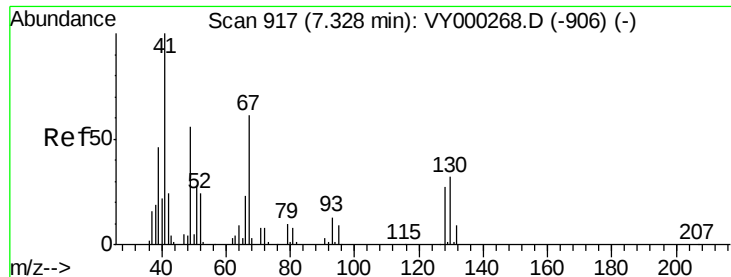
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#40
Benzene
Concen: 21.449 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	78.00	Resp	224745
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 26.562 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 41 Resp: 27144

Ion Ratio Lower Upper

41 100

39 52.4 110.2 165.2#

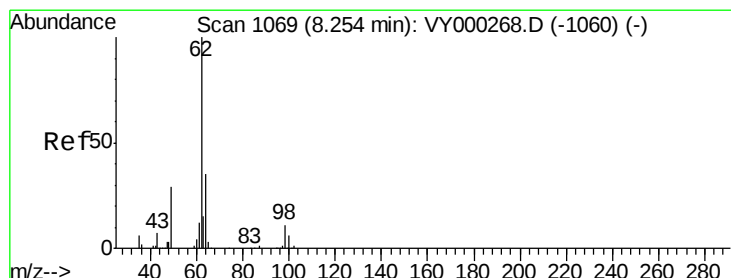
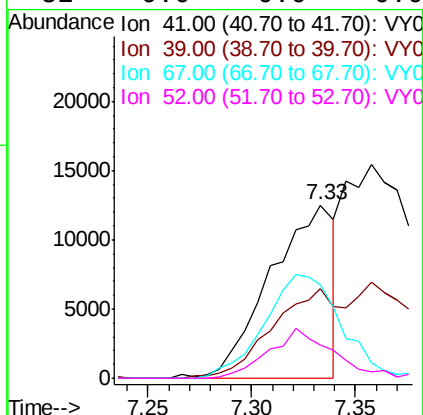
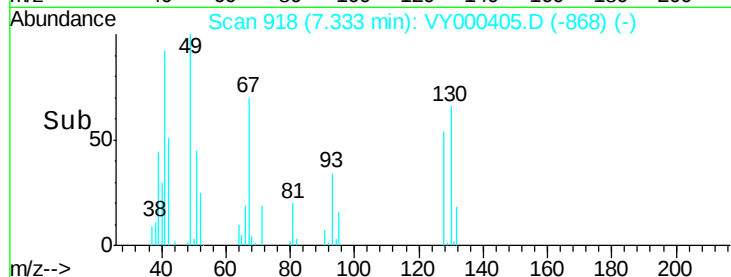
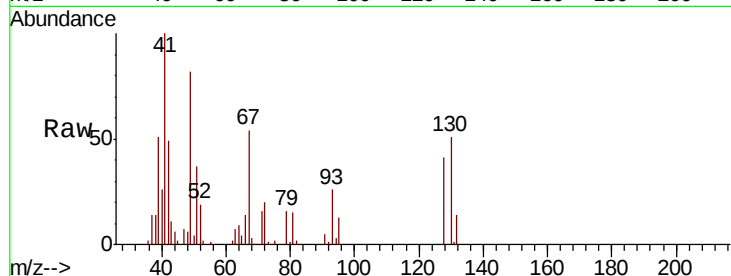
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 22.533 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000405.D

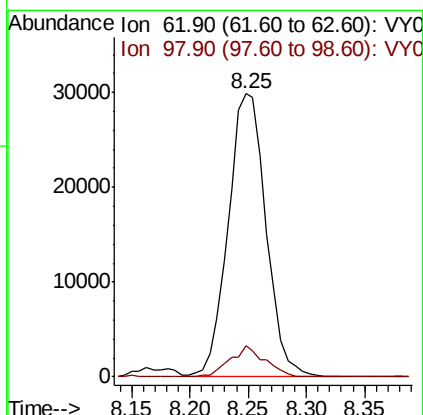
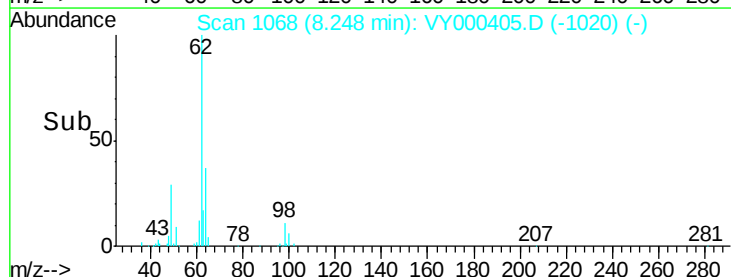
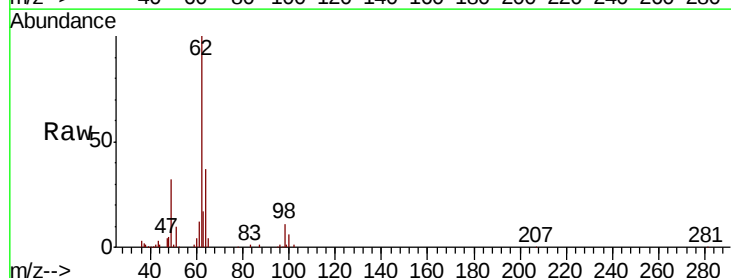
Acq: 24 Oct 2019 13:32

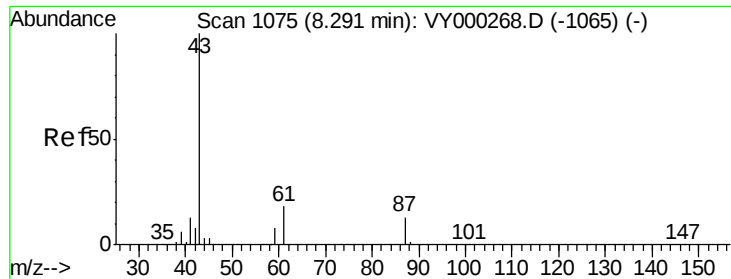
Tgt Ion: 62 Resp: 67443

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





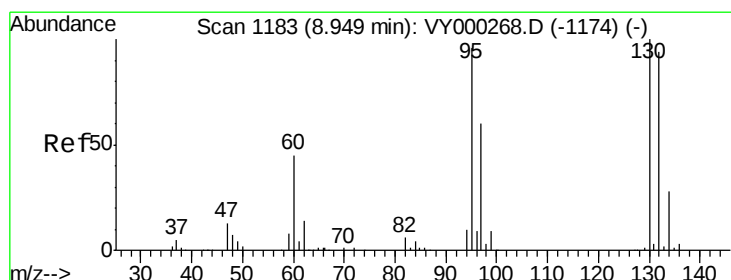
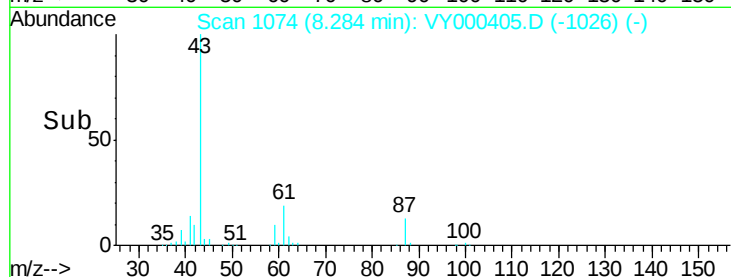
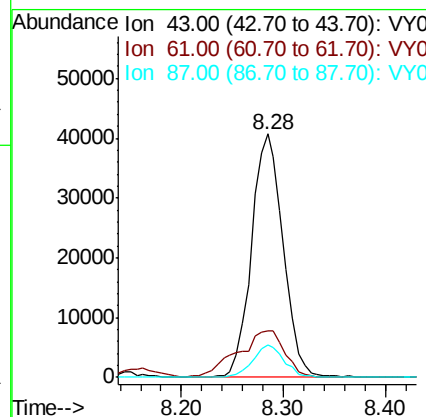
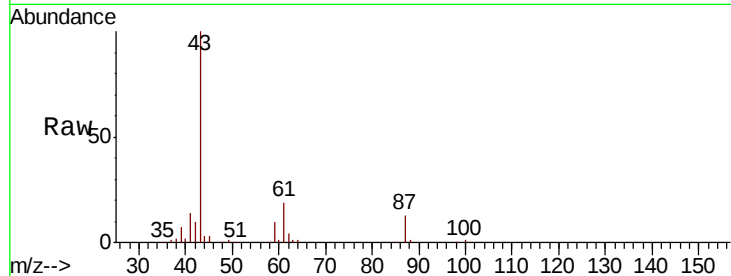
#43
Isopropyl Acetate
Concen: 21.458 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.3	33.5
87	13.2	10.9	16.3

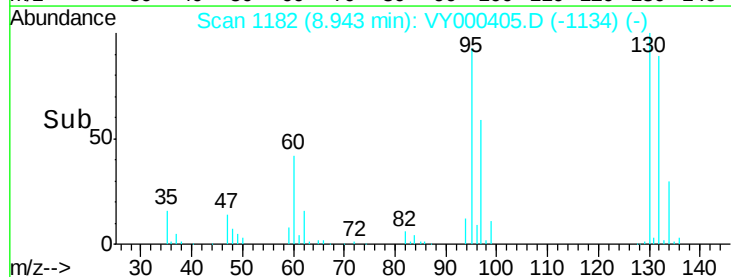
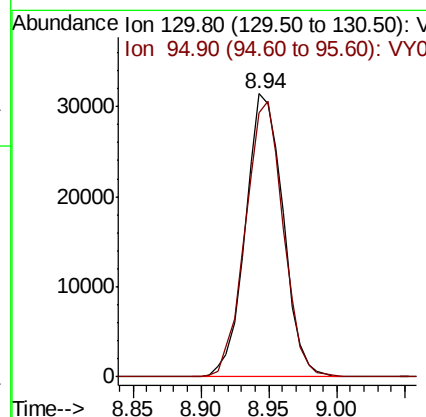
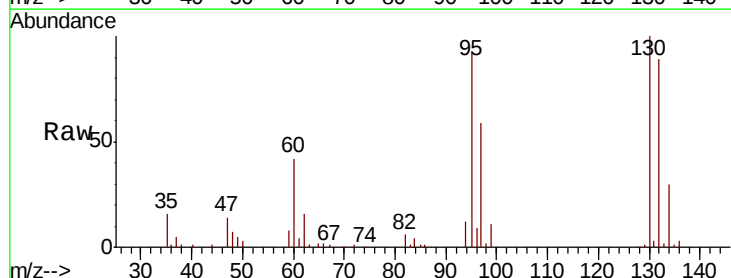
Manual Integrations
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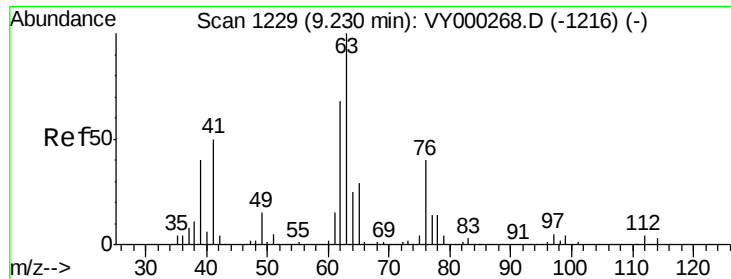
MMDadoda
10/25/2019 4:46:31 PM



#44
Trichloroethene
Concen: 20.673 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	191.4





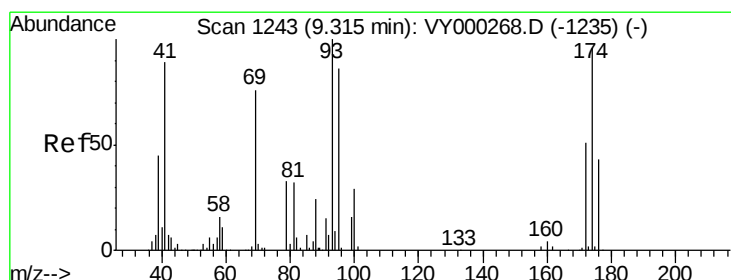
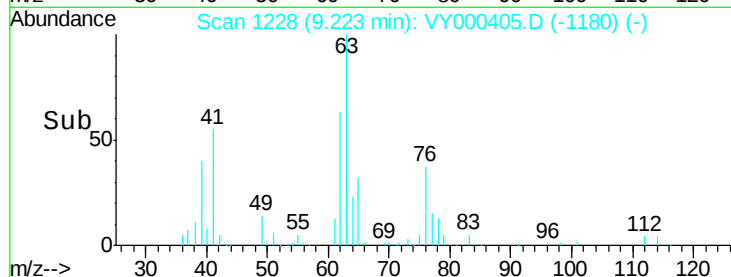
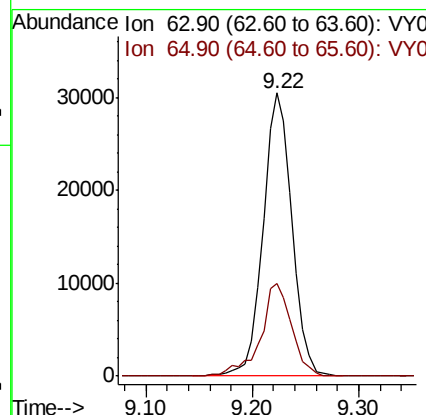
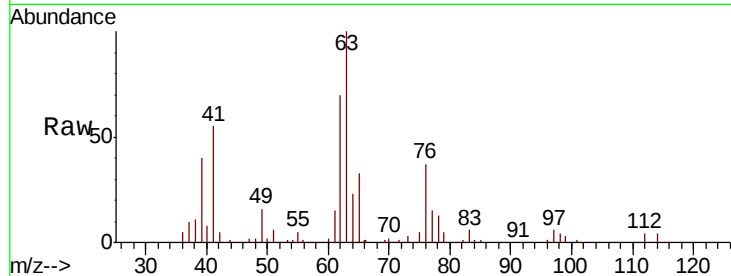
#45
 1,2-Dichloropropane
 Concen: 22.382 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	23.2	34.8

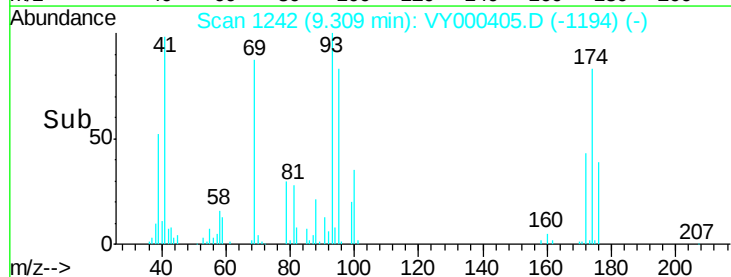
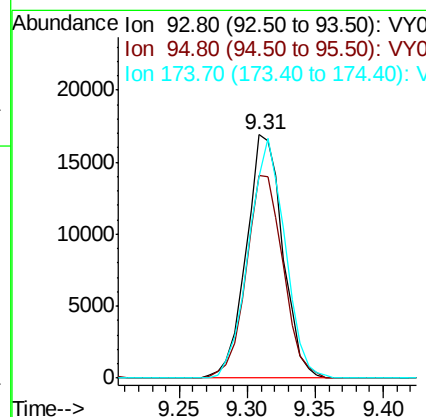
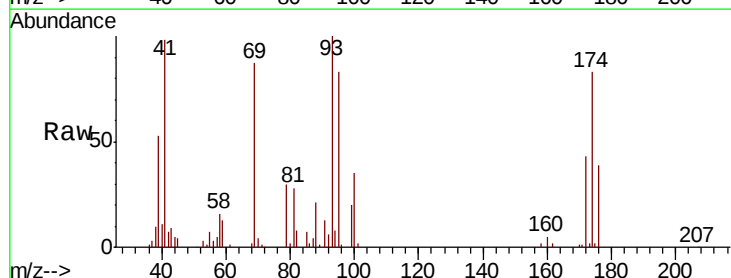
Manual Integrations
 APPROVED

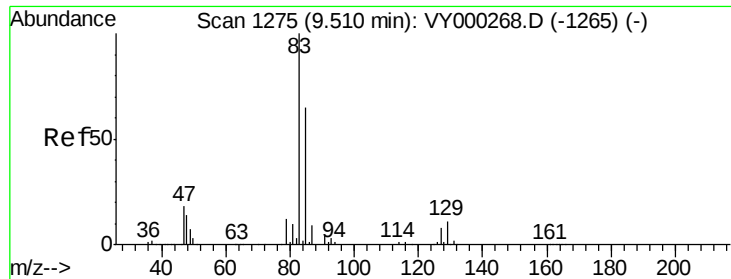
MMDadoda
 10/25/2019 4:46:31 PM



#46
 Dibromomethane
 Concen: 22.019 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	68.2	102.2
174	97.9	79.8	119.6





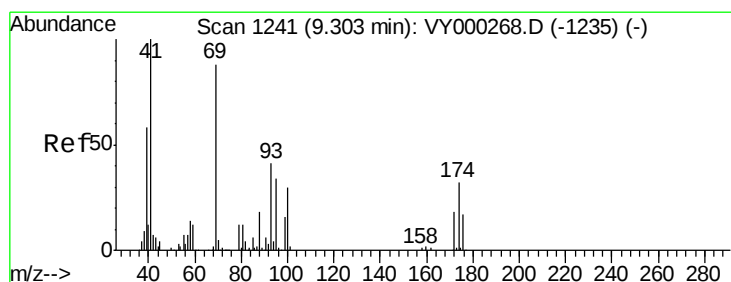
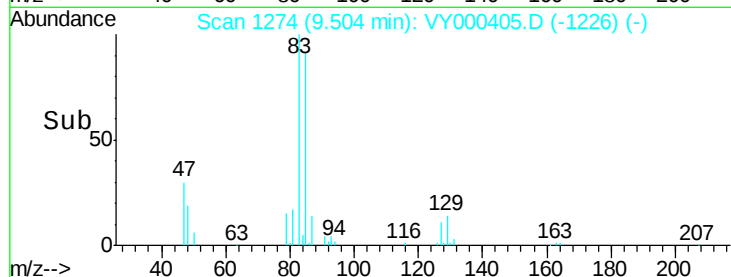
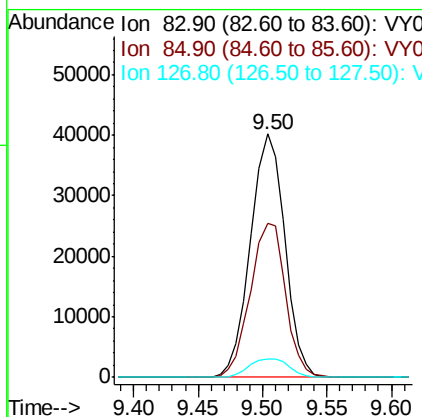
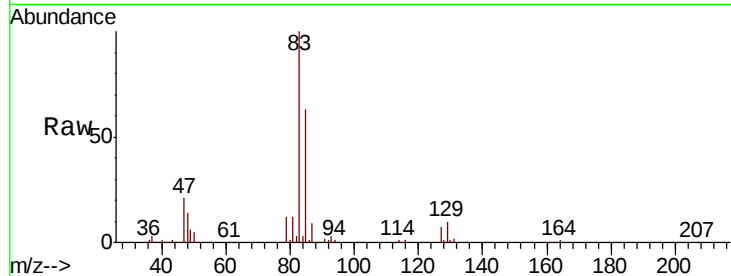
#47
Bromodichloromethane
Concen: 21.924 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	83	Resp	74269
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.2
127	7.4	6.3	9.5

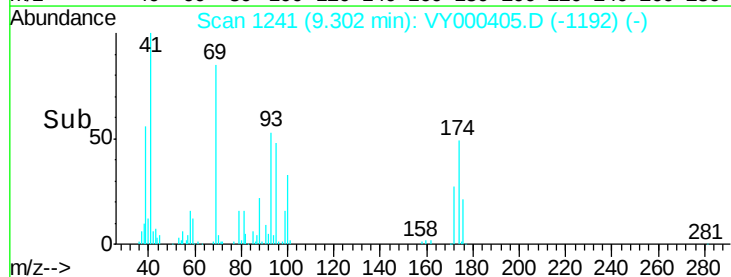
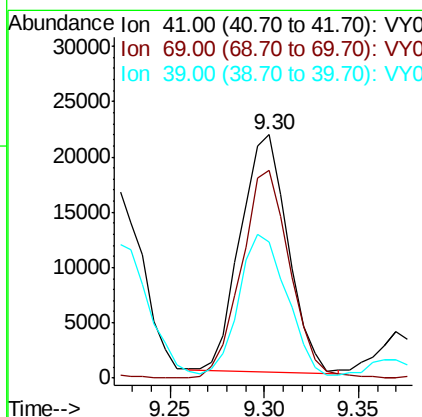
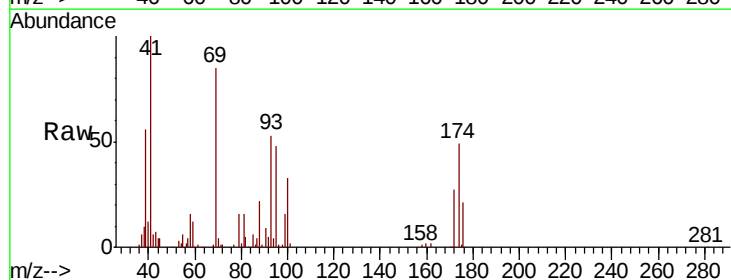
Manual Integrations
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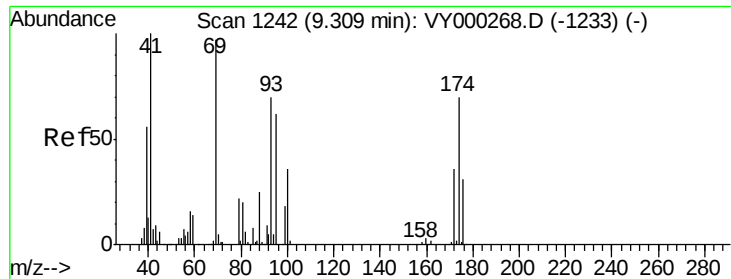
MMDadoda
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#48
Methyl methacrylate
Concen: 20.999 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	41	Resp	37568
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	70.0	105.0
39	62.6	47.7	71.5





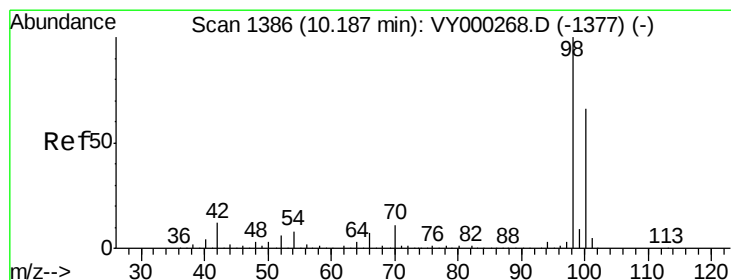
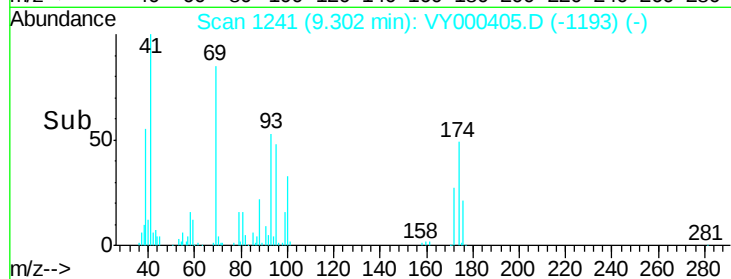
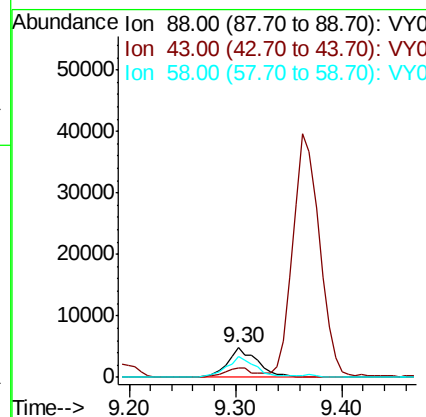
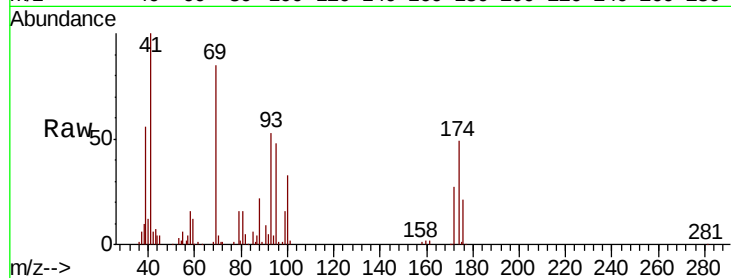
#49
1,4-Dioxane
Concen: 443.474 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	88	Resp	9558
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.6	38.4
58	66.8	54.6	81.8

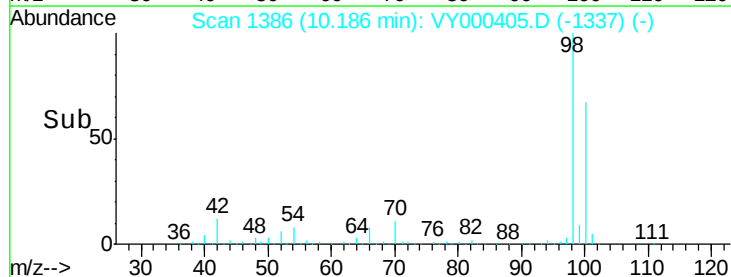
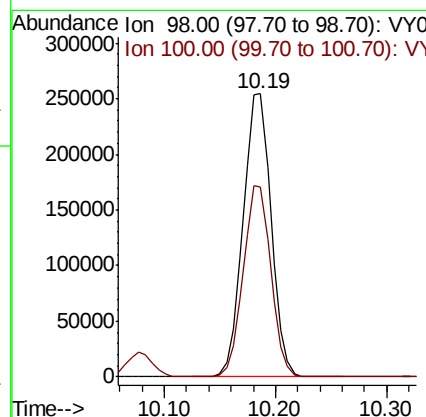
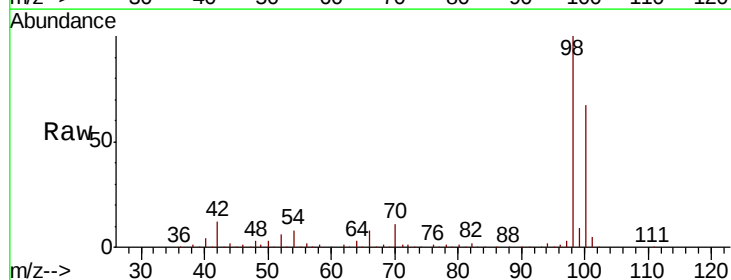
Manual Integrations
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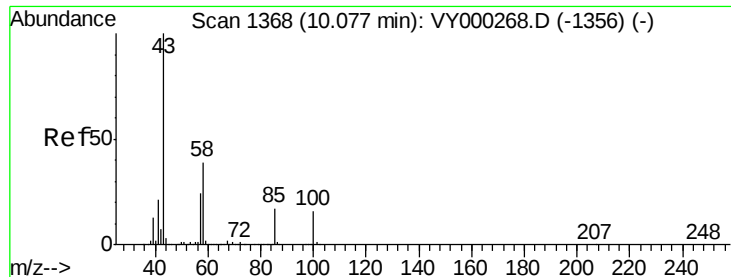
MMDadoda
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#50
Toluene-d8
Concen: 51.677 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	98	Resp	444070
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 112.260 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 43 Resp: 236359

Ion Ratio Lower Upper

43 100

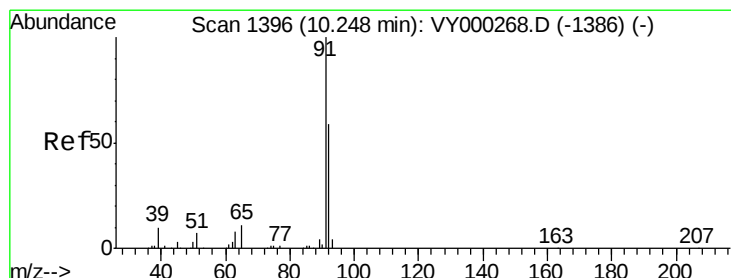
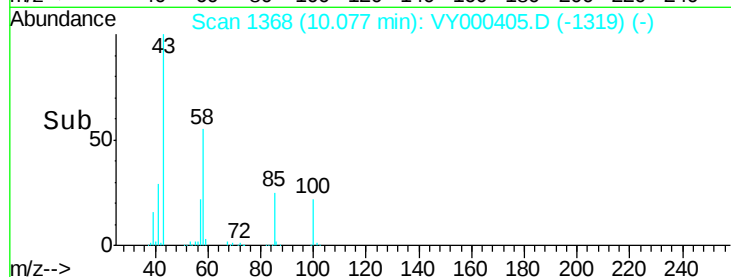
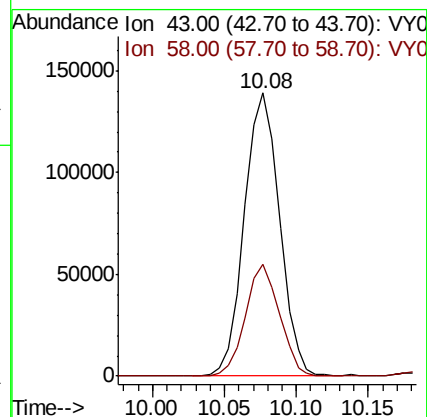
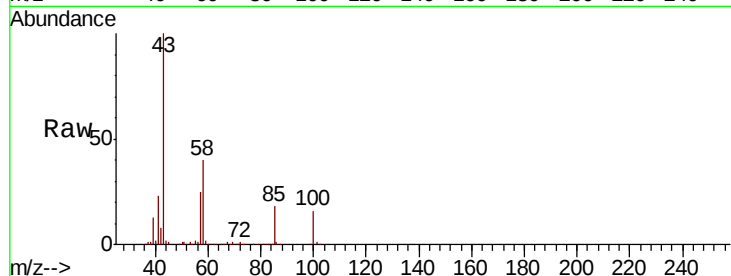
58 38.1 31.0 46.6

Manual Integrations

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#52

Toluene

Concen: 22.072 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000405.D

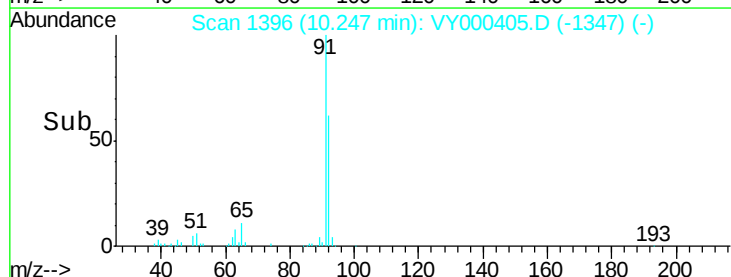
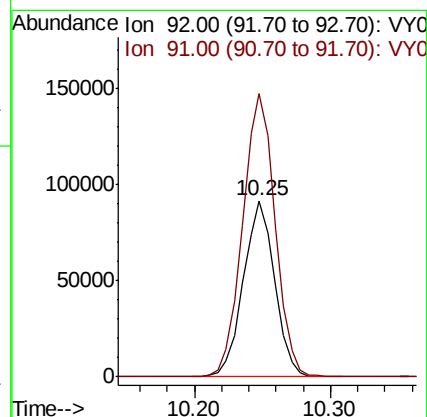
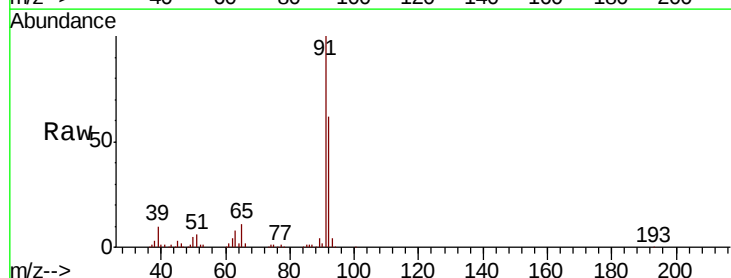
Acq: 24 Oct 2019 13:32

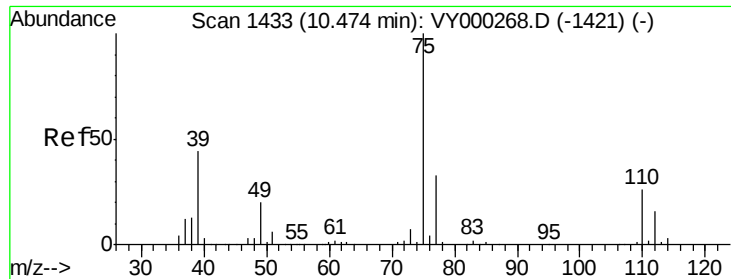
Tgt Ion: 92 Resp: 146833

Ion Ratio Lower Upper

92 100

91 166.6 136.6 205.0





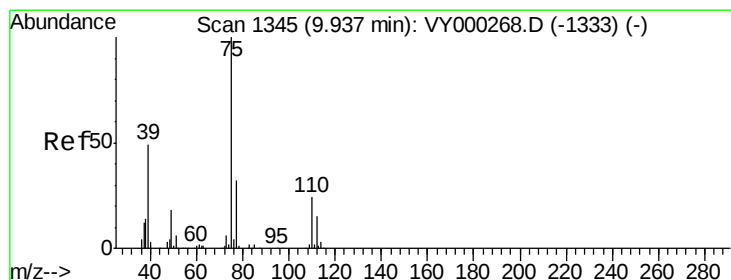
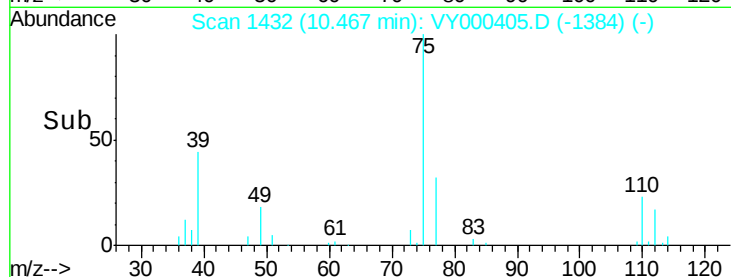
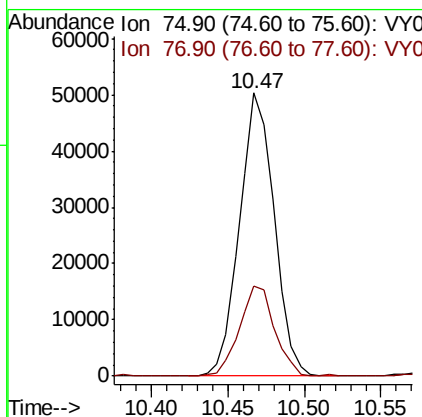
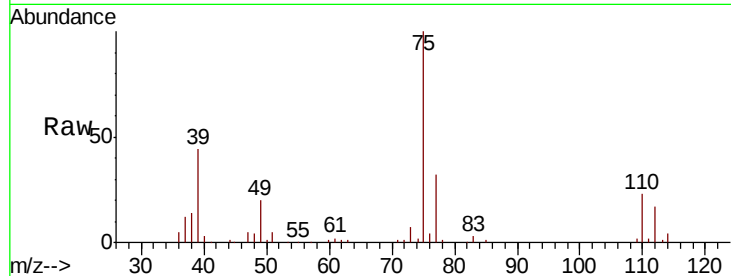
#53
t-1,3-Dichloropropene
Concen: 21.765 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 75 Resp: 79020
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0

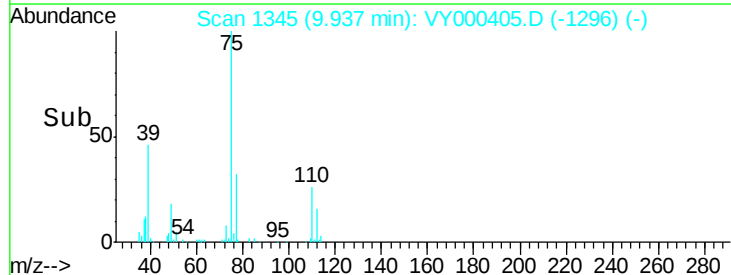
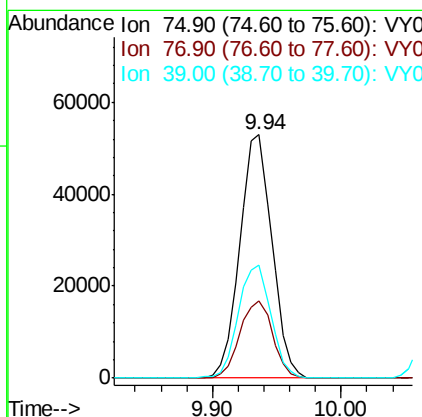
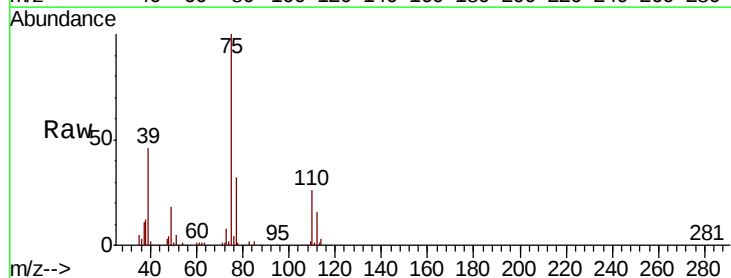
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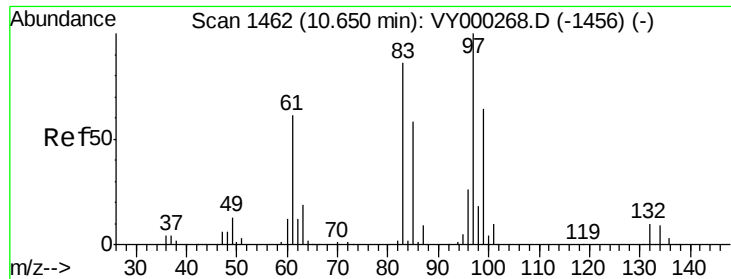
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.139 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion: 75 Resp: 91278
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0
39 46.1 38.8 58.2





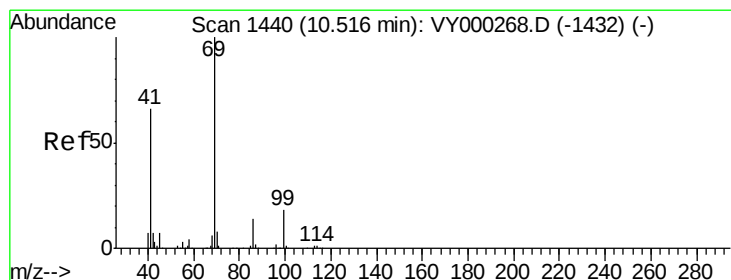
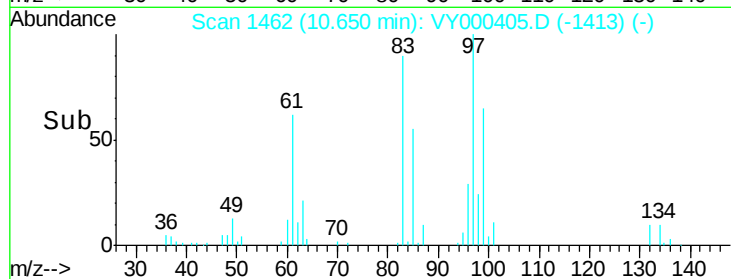
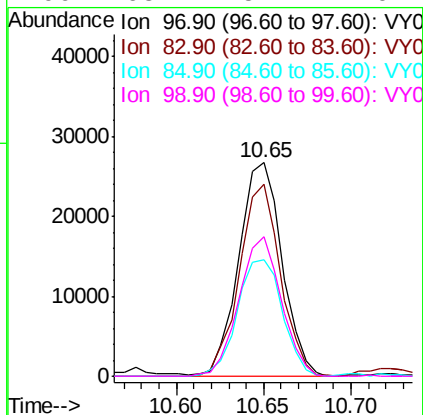
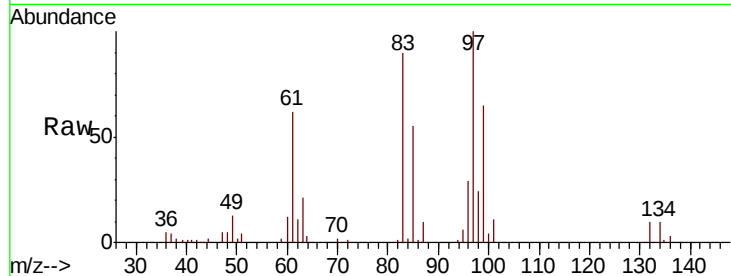
#55
1,1,2-Trichloroethane
Concen: 21.889 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion:	97	Resp:	45747
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.0	103.6
85	54.5	46.2	69.4
99	65.4	51.1	76.7

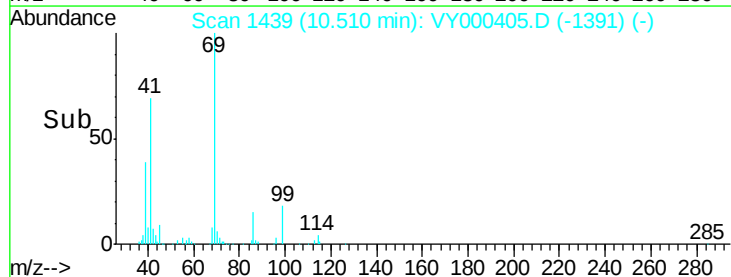
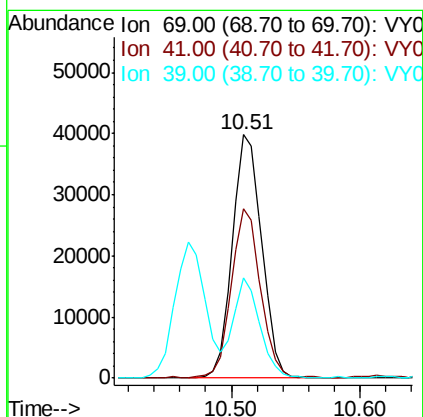
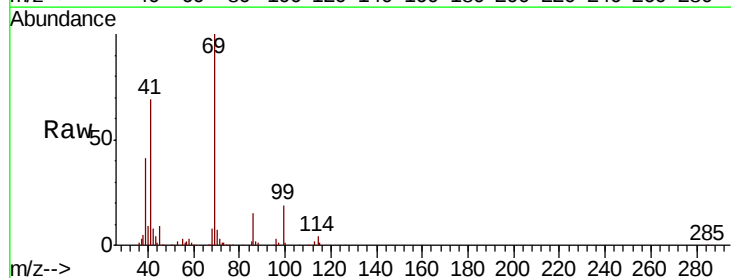
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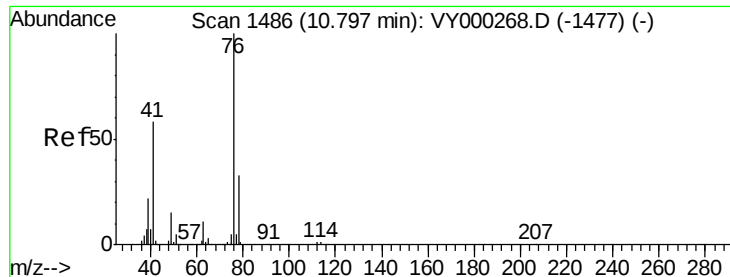
MMDadoda
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#56
Ethyl methacrylate
Concen: 21.190 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion:	69	Resp:	63125
Ion	Ratio	Lower	Upper
69	100		
41	68.4	52.5	78.7
39	37.6	26.7	40.1





#57

1,3-Dichloropropane

Concen: 22.364 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 76 Resp: 80271

Ion Ratio Lower Upper

76 100

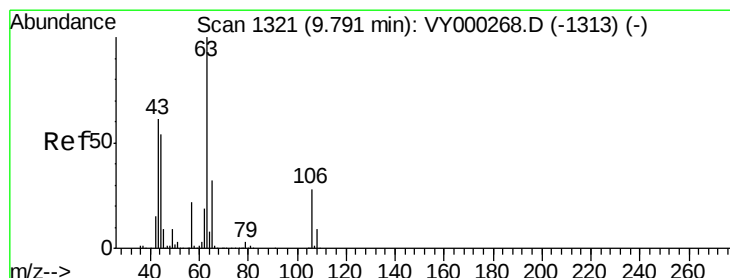
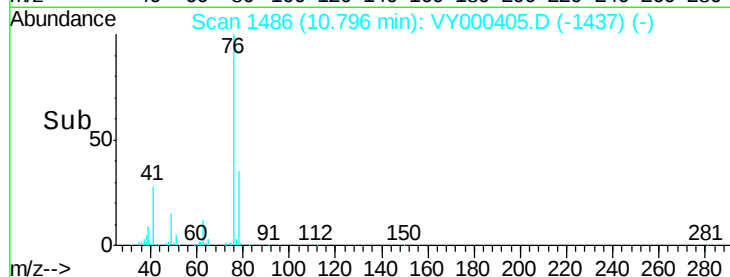
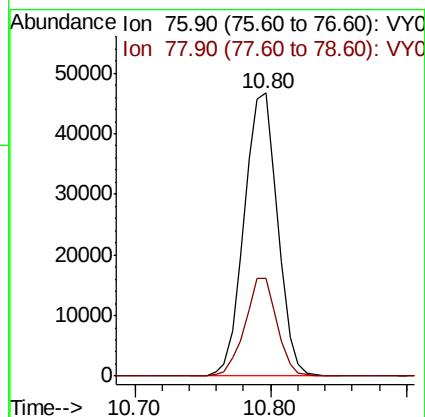
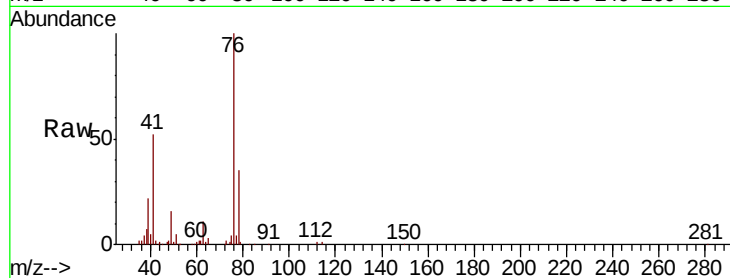
78 33.2 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 131.889 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000405.D

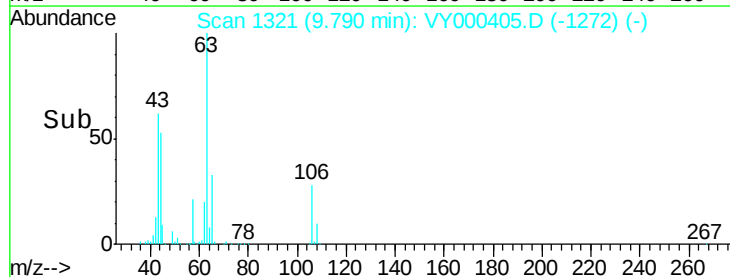
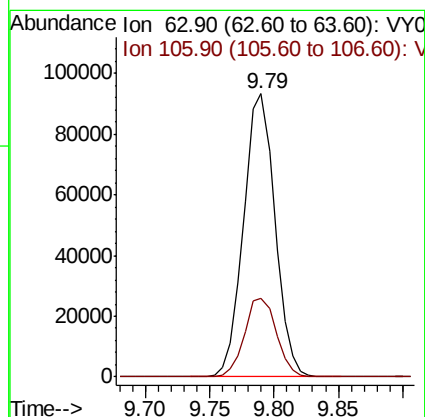
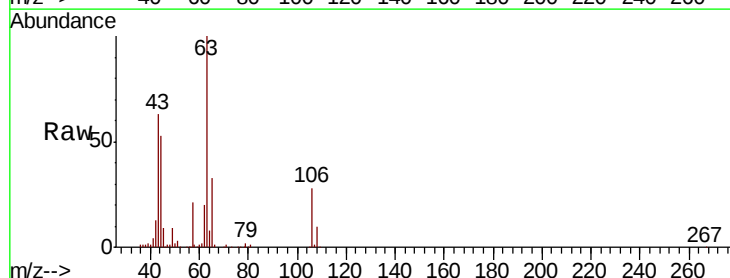
Acq: 24 Oct 2019 13:32

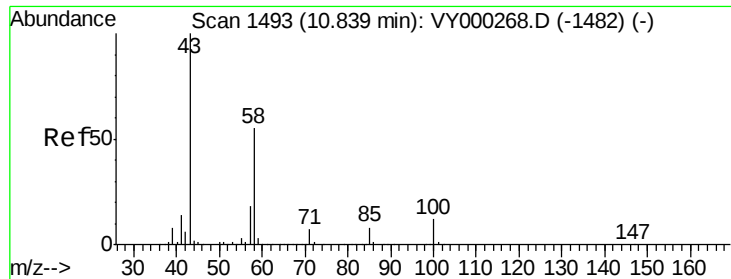
Tgt Ion: 63 Resp: 156713

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.4





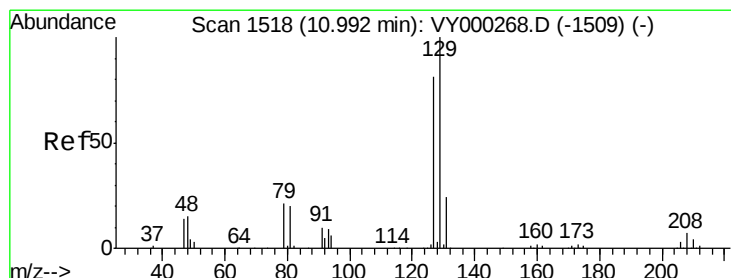
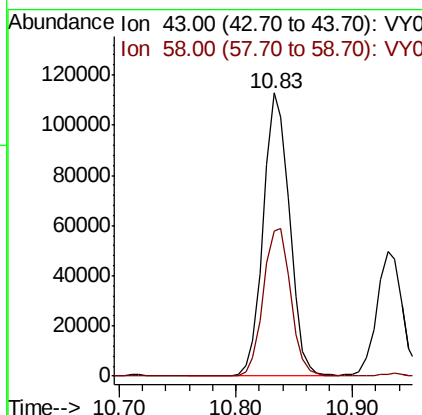
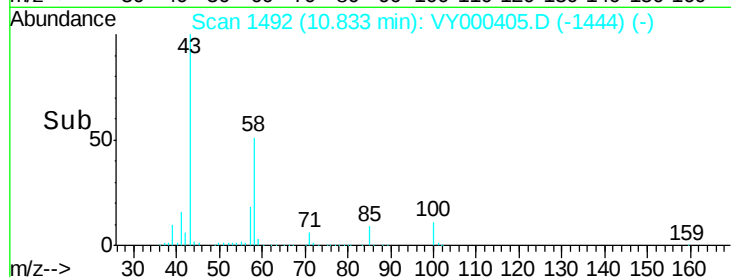
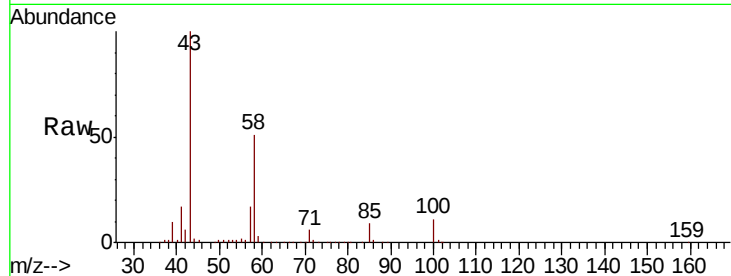
#59
2-Hexanone
Concen: 118.916 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 43 Resp: 175740
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

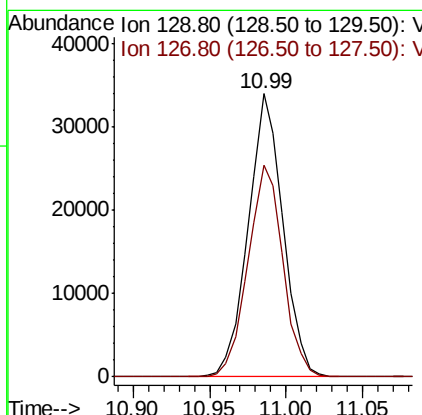
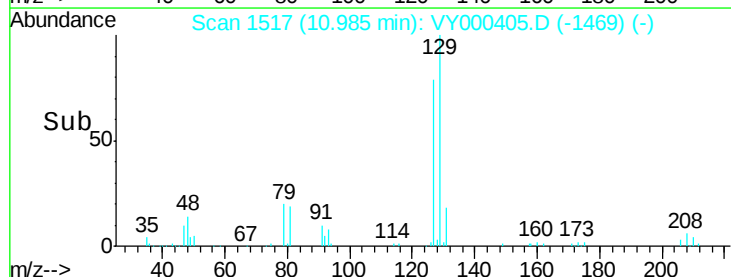
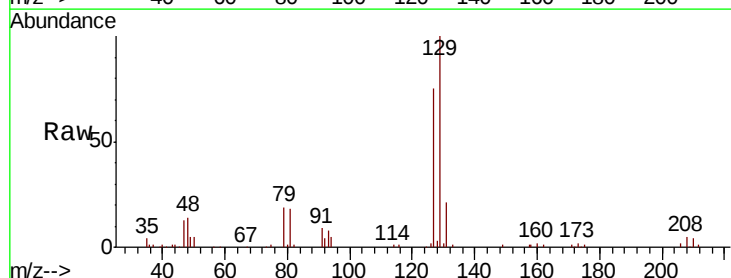
Manual Integrations
APPROVED

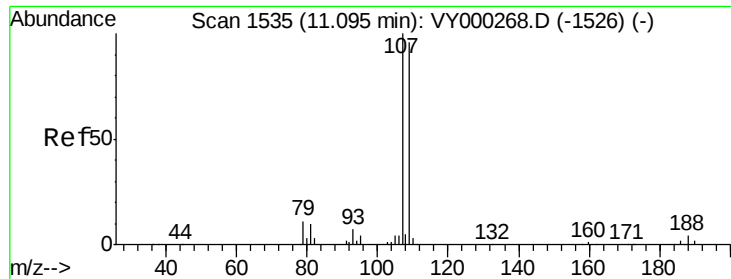
MMDadoda
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#60
Dibromochloromethane
Concen: 23.093 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion: 129 Resp: 53494
Ion Ratio Lower Upper
129 100
127 75.3 39.9 119.7





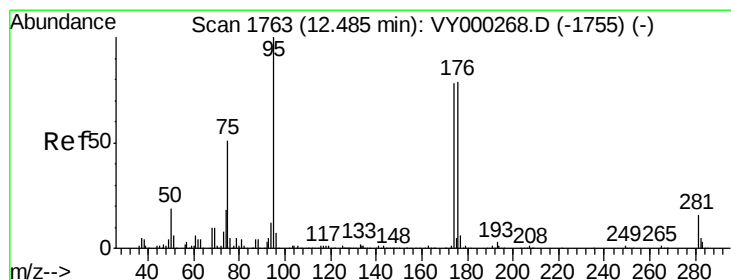
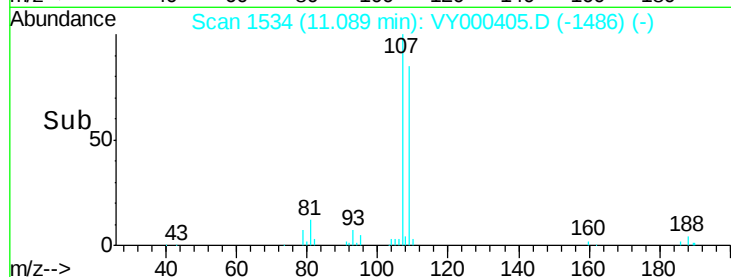
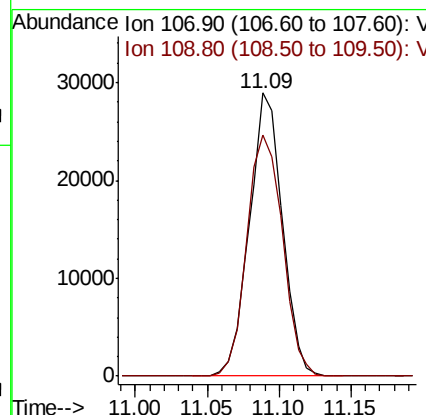
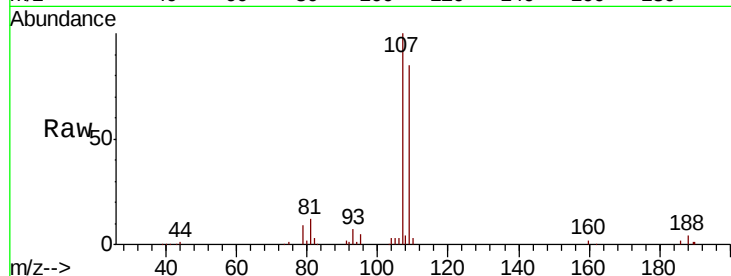
#61
 1,2-Dibromoethane
 Concen: 22.781 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.1	112.7

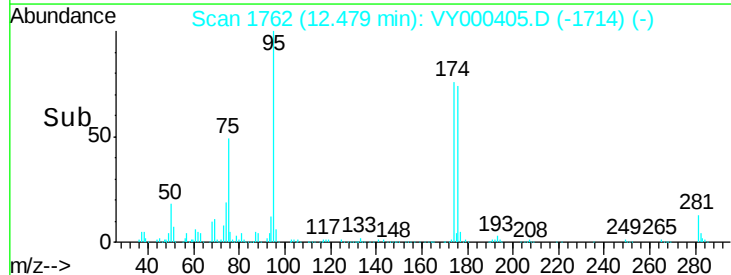
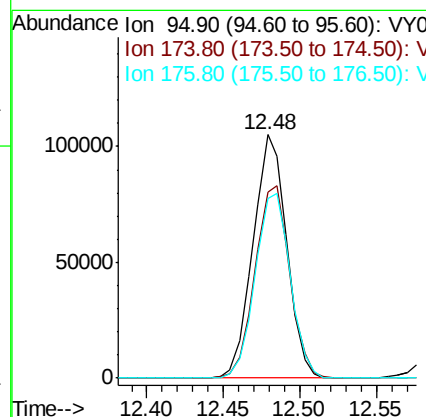
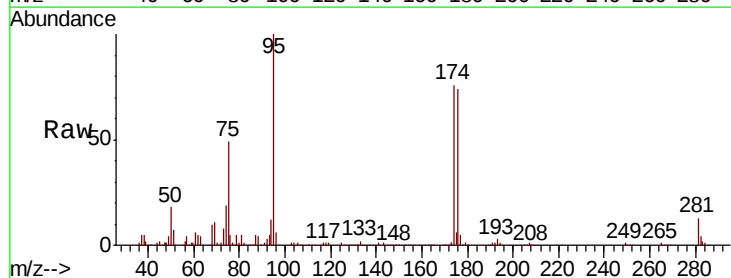
Manual Integrations
 APPROVED

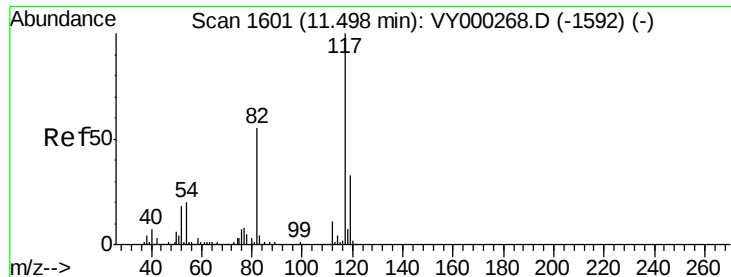
MMDadoda
 10/25/2019 4:46:31 PM



#62
 4-Bromofluorobenzene
 Concen: 49.425 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	159.6
176	78.7	0.0	153.8





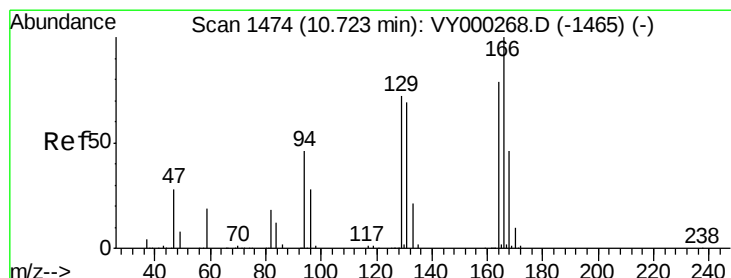
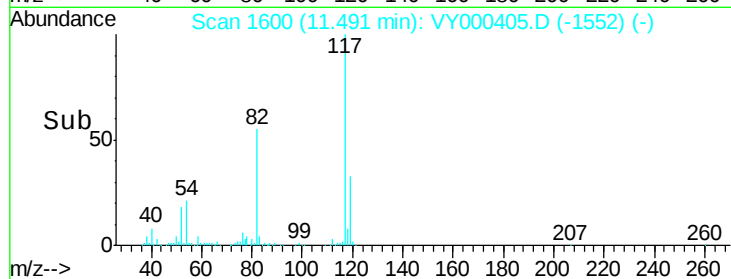
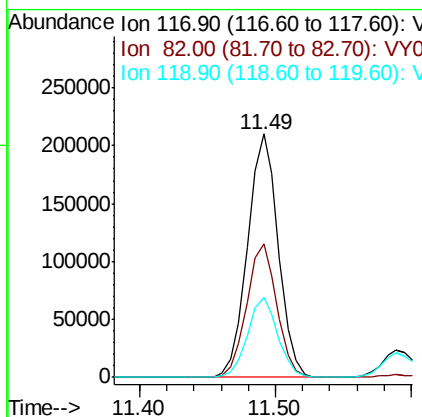
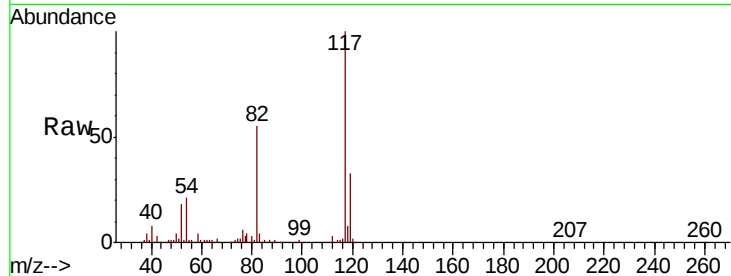
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.7	65.5
119	32.6	26.6	39.8

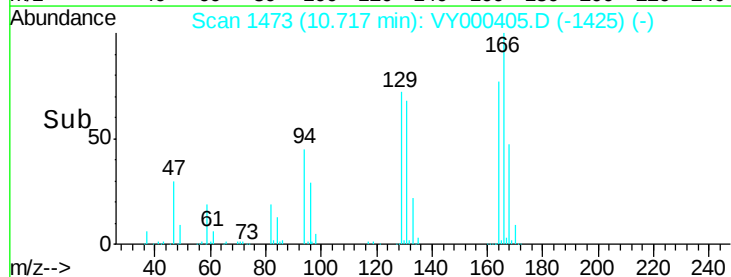
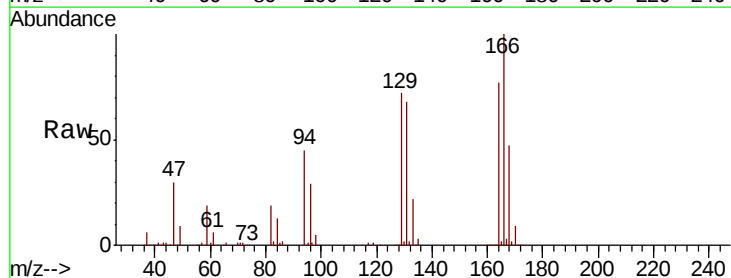
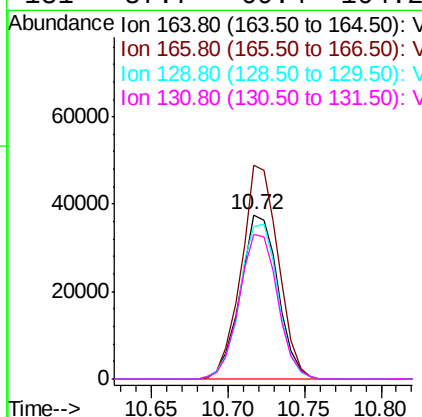
Manual Integrations
APPROVED

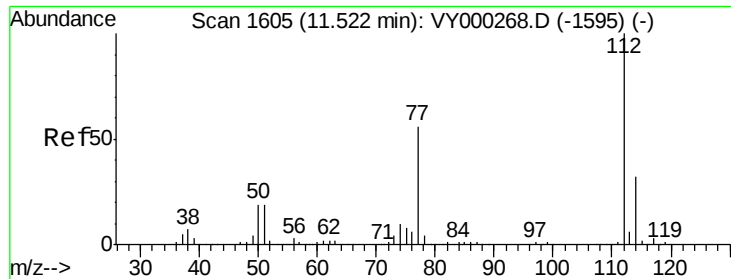
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#64
Tetrachloroethene
Concen: 20.365 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.6	151.0
129	93.0	72.8	109.2
131	87.7	69.4	104.2





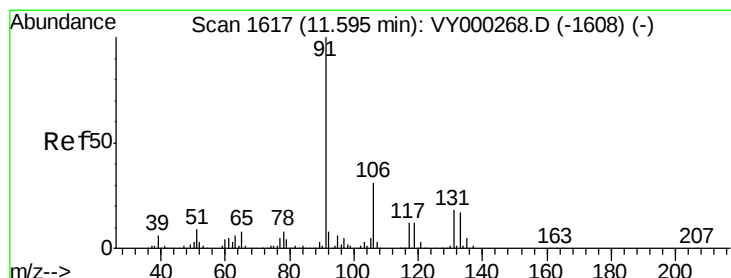
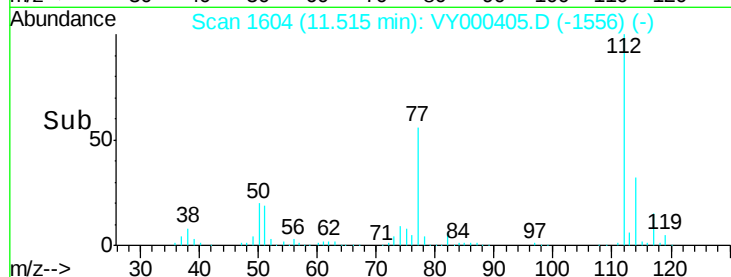
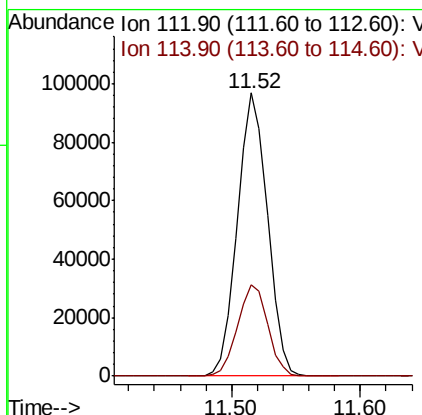
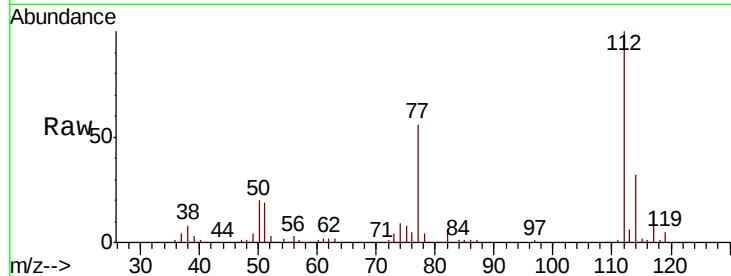
#65
Chlorobenzene
Concen: 22.341 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion:112 Resp: 156270
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

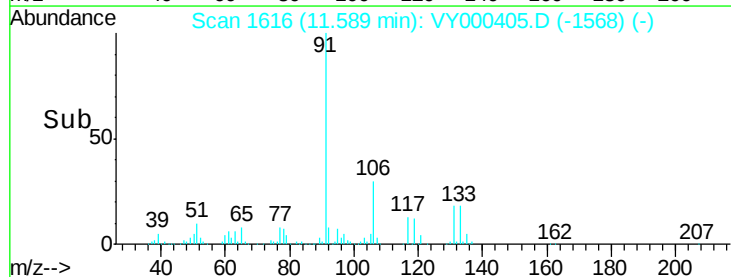
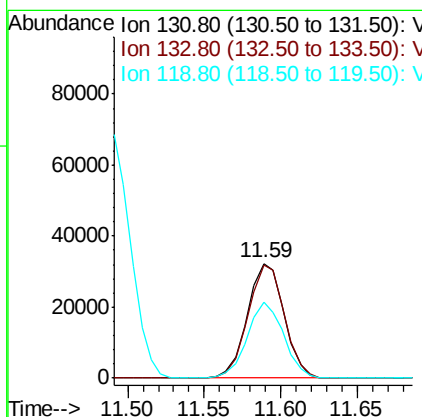
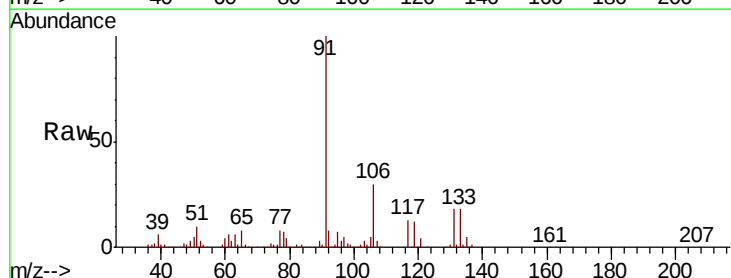
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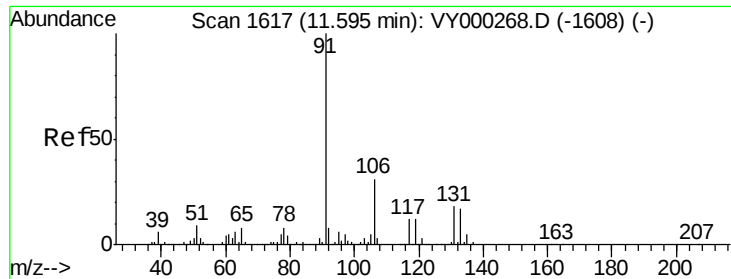
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.920 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion:131 Resp: 53859
Ion Ratio Lower Upper
131 100
133 98.3 47.2 141.6
119 65.3 32.6 98.0





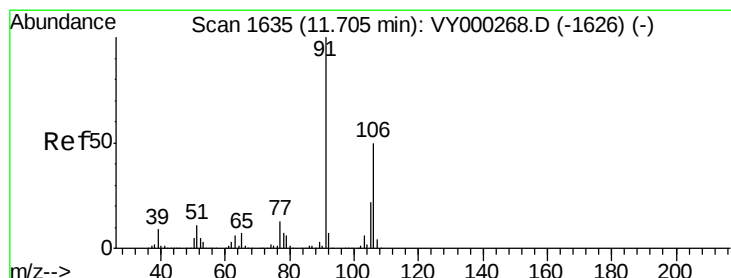
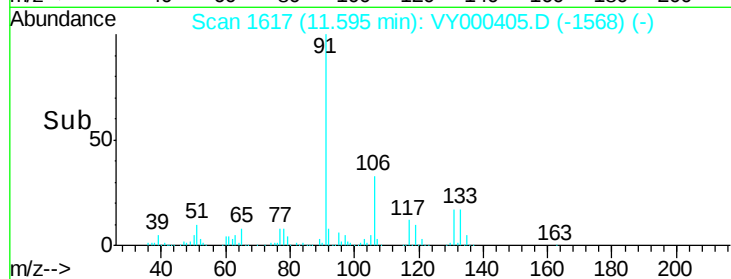
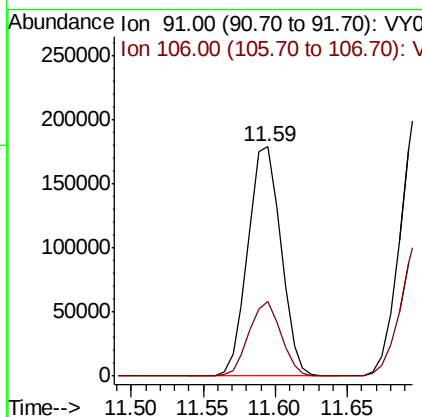
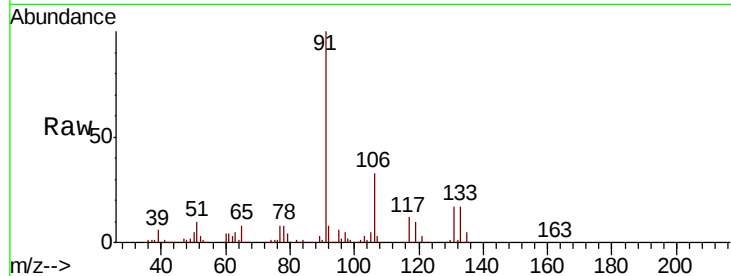
#67
Ethyl Benzene
Concen: 21.941 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion: 91 Resp: 284503
Ion Ratio Lower Upper
91 100
106 32.7 25.0 37.6

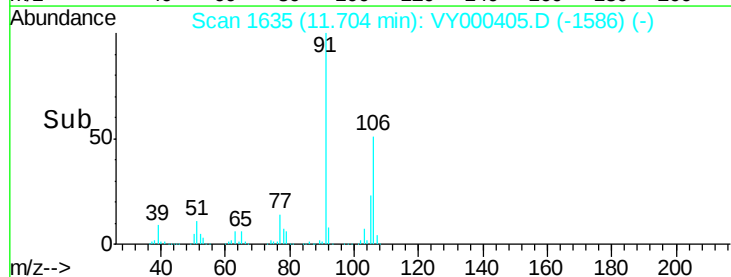
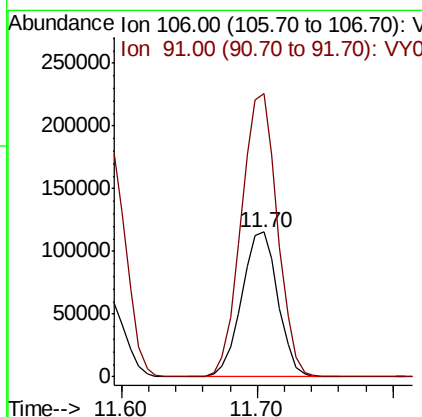
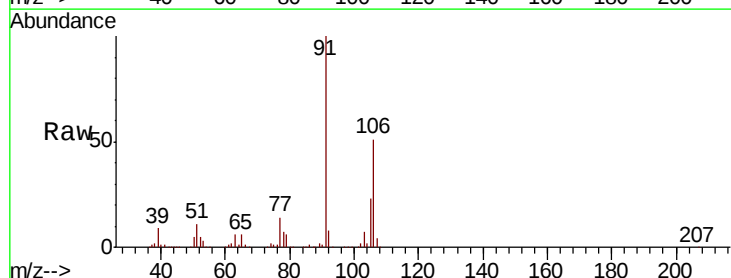
Manual Integrations
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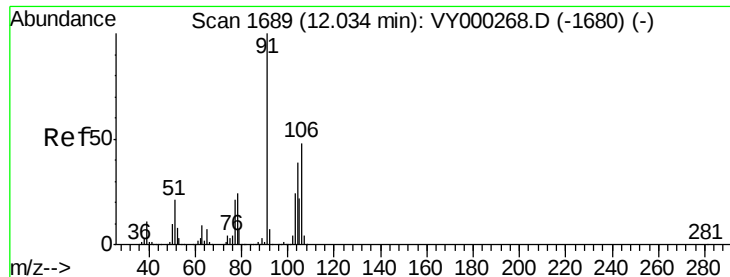
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#68
m/p-Xylenes
Concen: 43.262 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion: 106 Resp: 214446
Ion Ratio Lower Upper
106 100
91 195.5 157.5 236.3





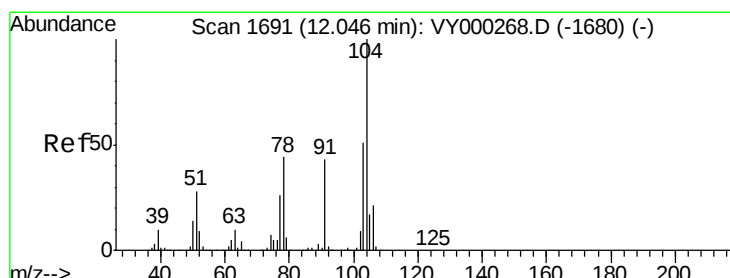
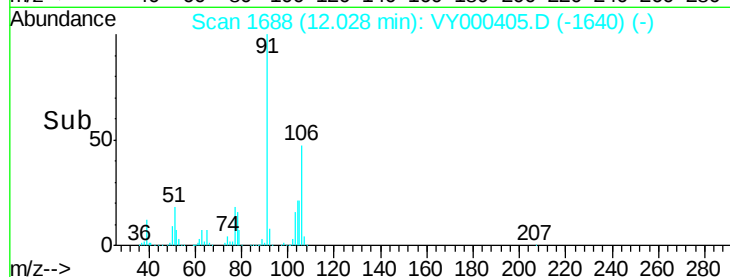
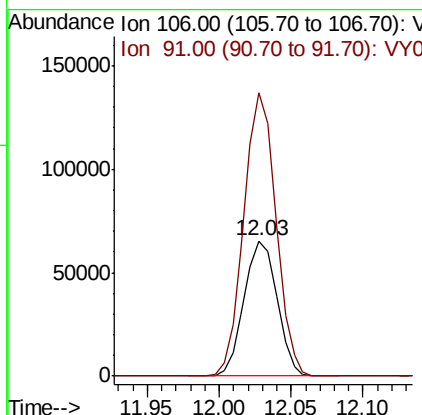
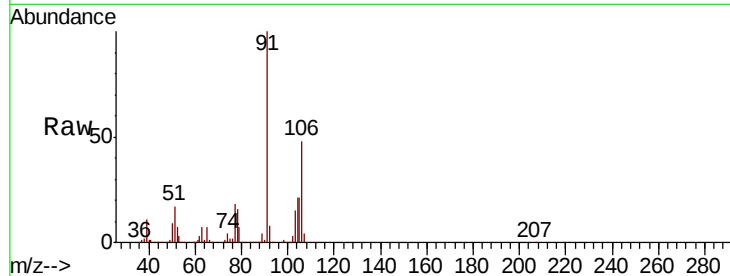
#69
o-Xylene
Concen: 21.907 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	204.5	104.7	313.9	

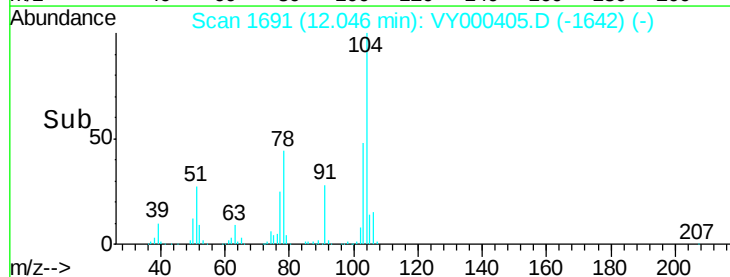
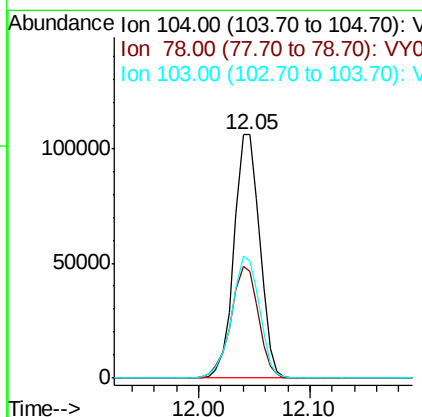
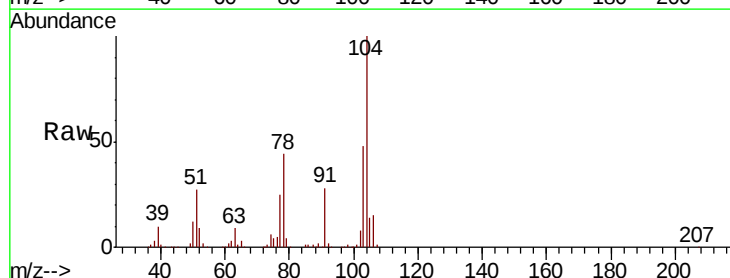
Manual Integrations
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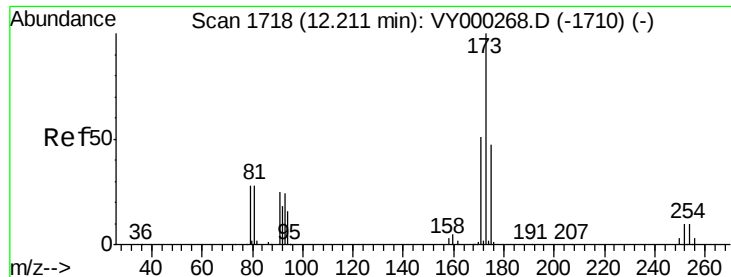
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#70
Styrene
Concen: 21.218 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	49.4	39.0	58.6	
103	54.0	43.1	64.7	





#71

Bromoform

Concen: 22.012 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:173 Resp: 31092

Ion Ratio Lower Upper

173 100

175 46.1 24.6 73.6

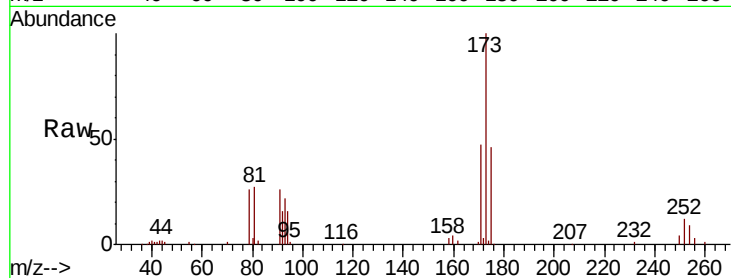
254 0.0 0.1 0.1#

Manual Integrations

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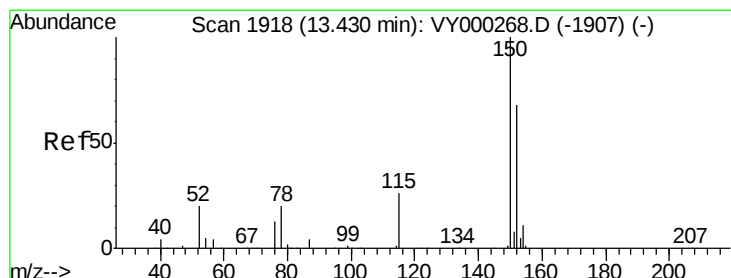
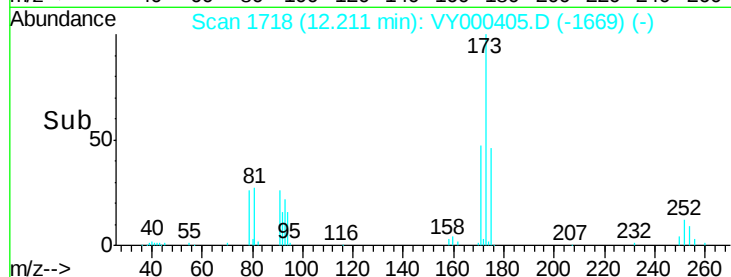
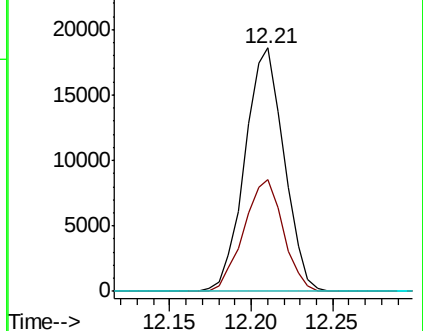
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

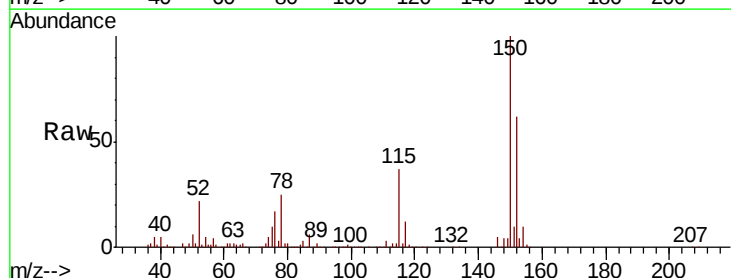
Tgt Ion:152 Resp: 162881

Ion Ratio Lower Upper

152 100

115 59.8 29.3 88.0

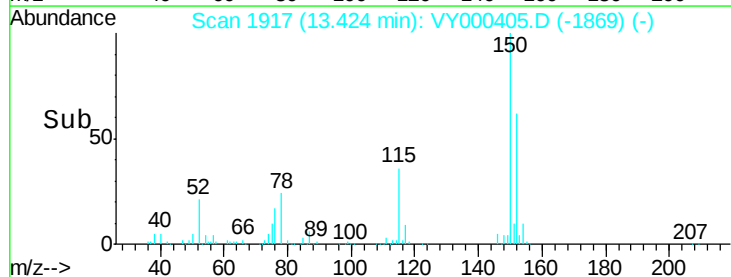
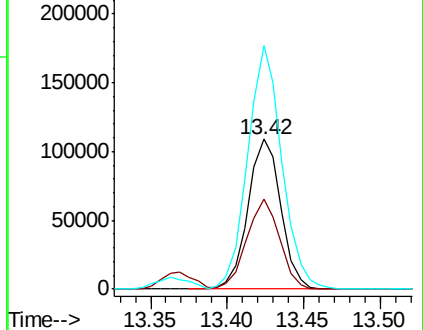
150 168.6 0.0 348.4

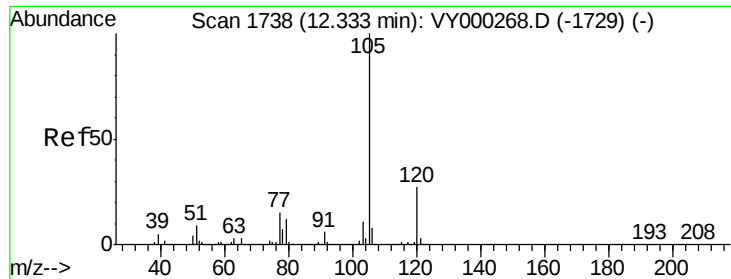


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.661 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 105 Resp: 275110

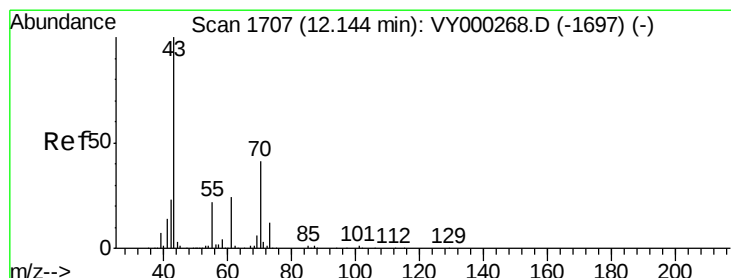
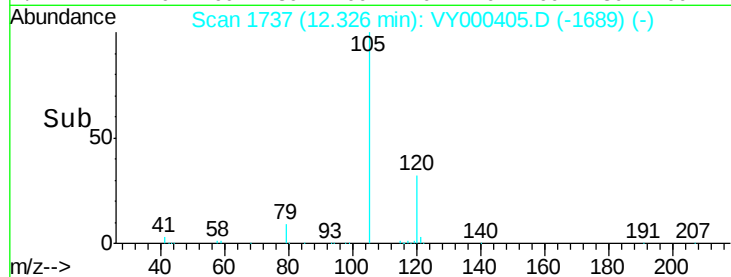
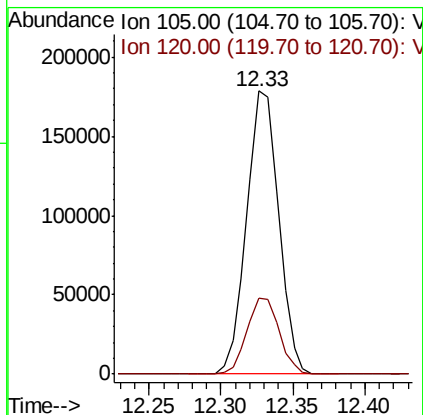
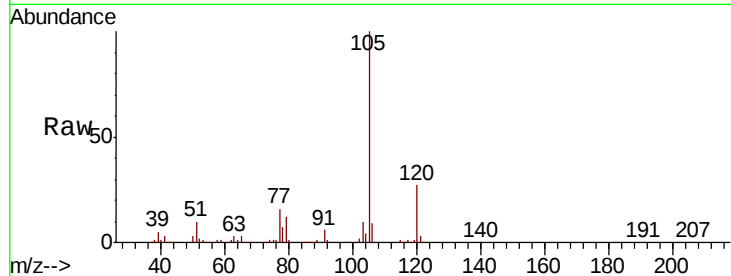
Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2

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#74

N-ethyl acetate

Concen: 24.540 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tgt Ion: 43 Resp: 76513

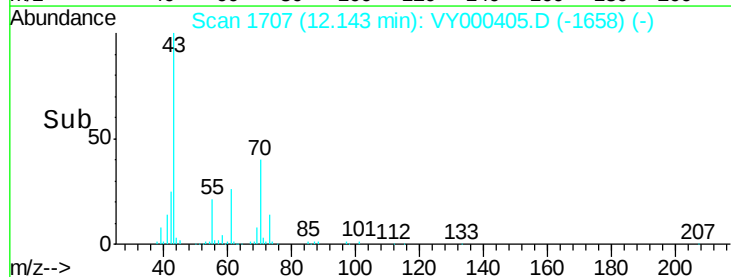
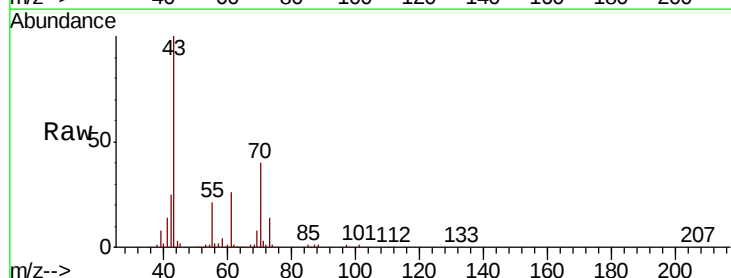
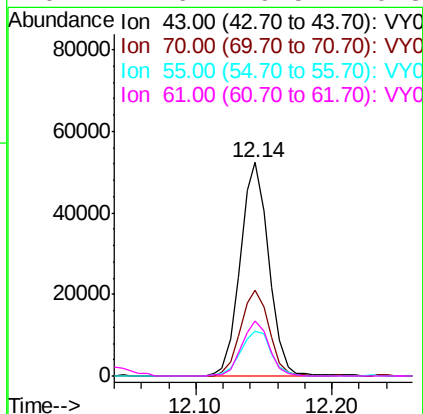
Ion Ratio Lower Upper

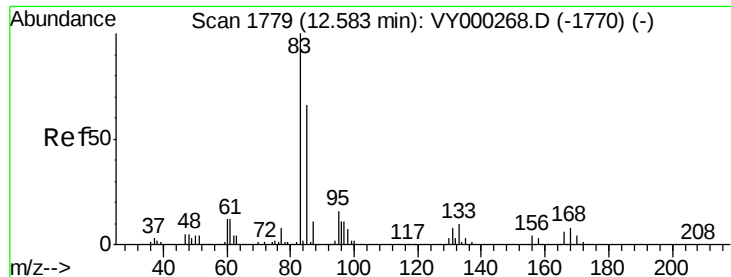
43 100

70 40.3 32.9 49.3

55 22.6 17.8 26.6

61 24.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.610 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

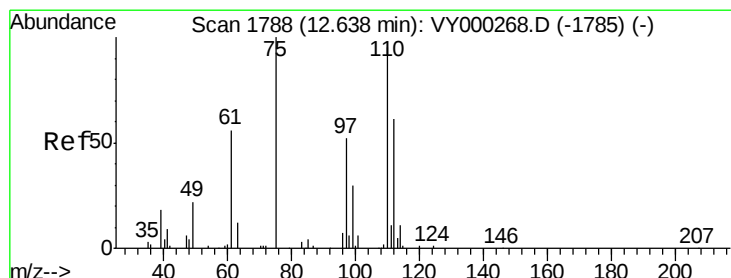
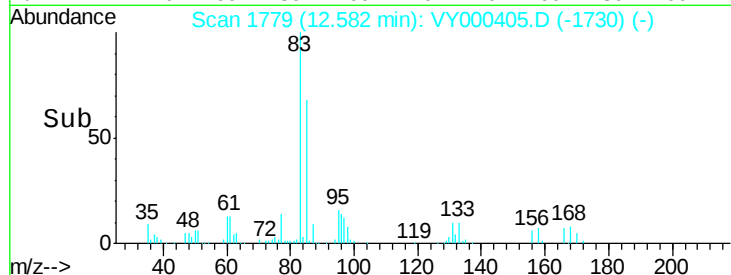
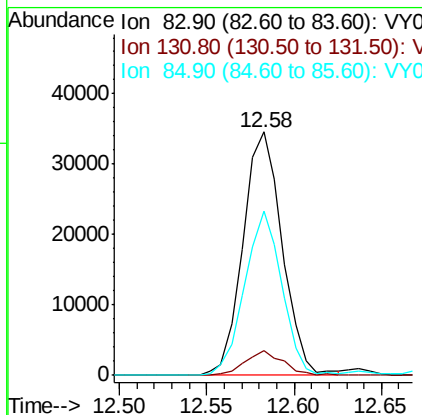
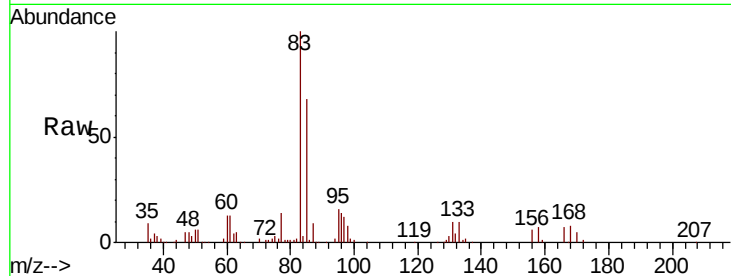
ClientSampleId :

VY1024SBS01

Tot Ion:	83	Resp:	53915
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	16.1
85	64.3	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.311 ug/l m

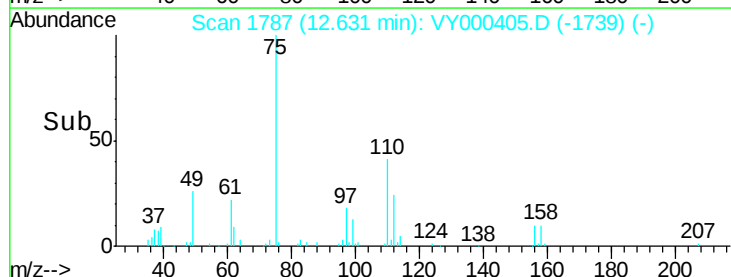
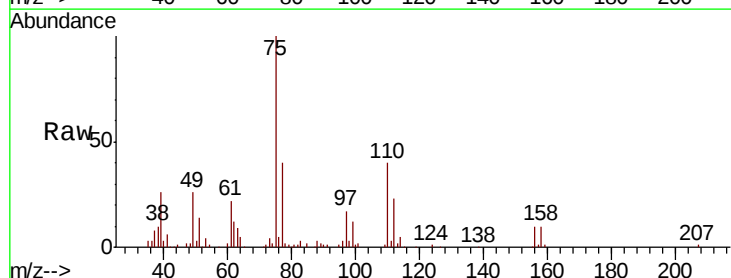
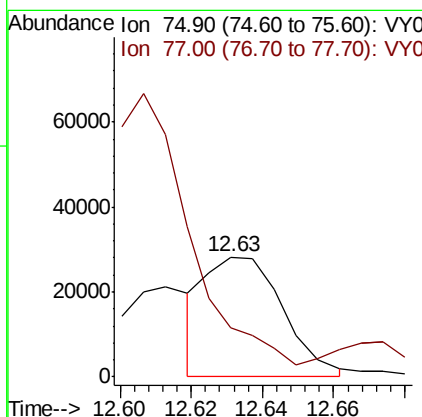
RT: 12.63 min Scan# 1787

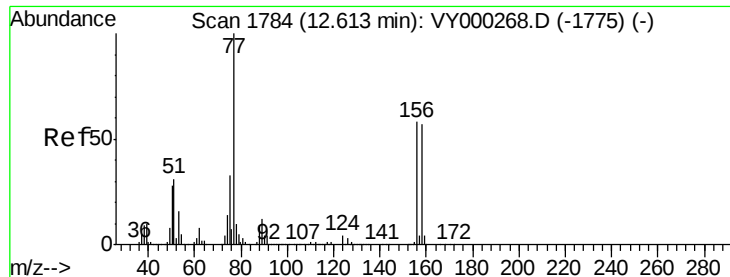
Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Tgt Ion:	75	Resp:	42684
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.614 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:156 Resp: 63909

Ion Ratio Lower Upper

156 100

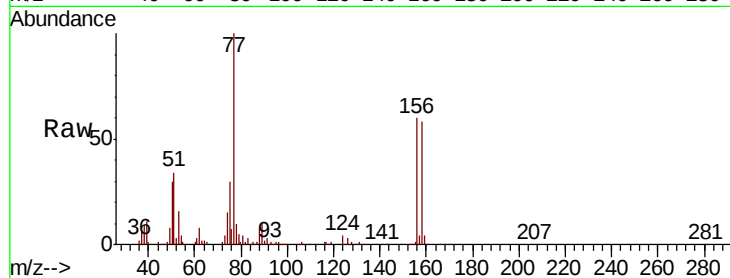
77 186.3 101.0 302.9

158 98.5 49.7 149.1

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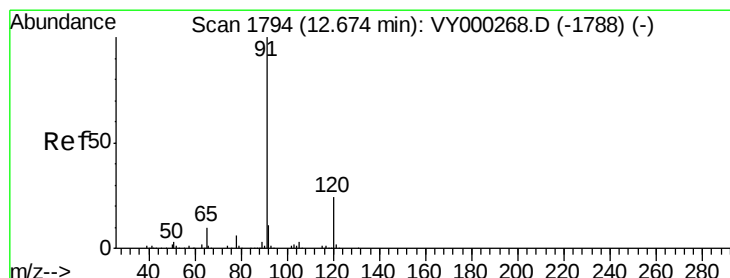
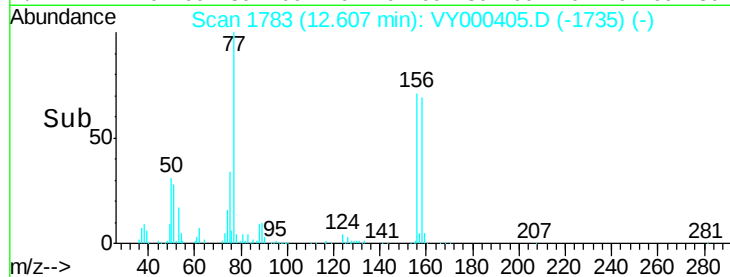
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

12.61

Time-->



#78

n-propylbenzene

Concen: 21.595 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000405.D

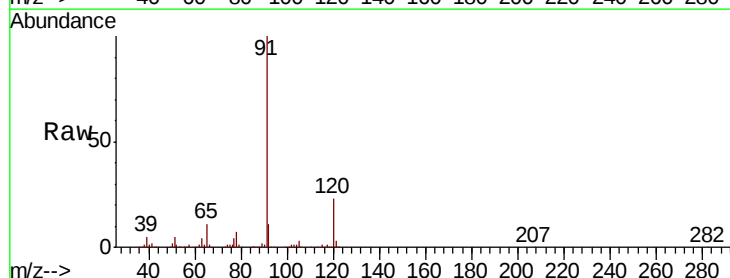
Acq: 24 Oct 2019 13:32

Tgt Ion: 91 Resp: 329299

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5

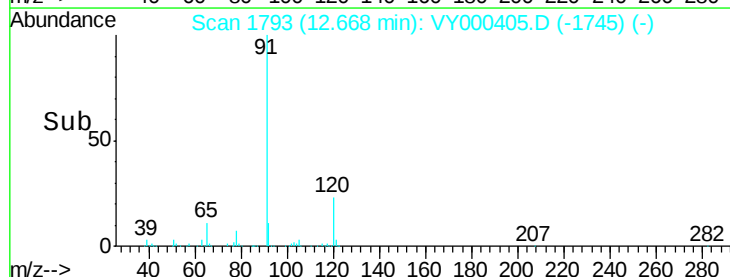


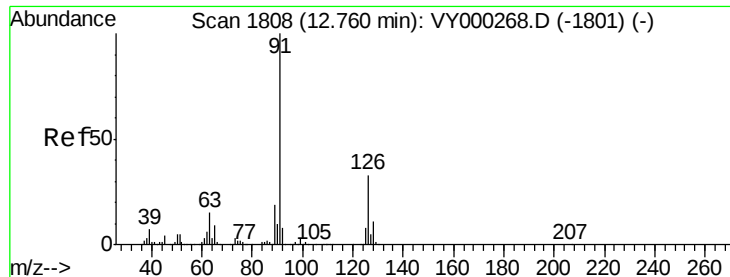
Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

Time-->





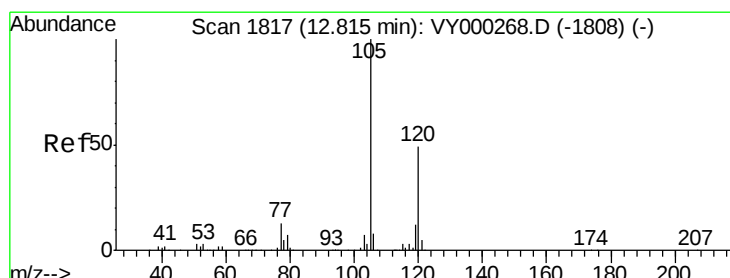
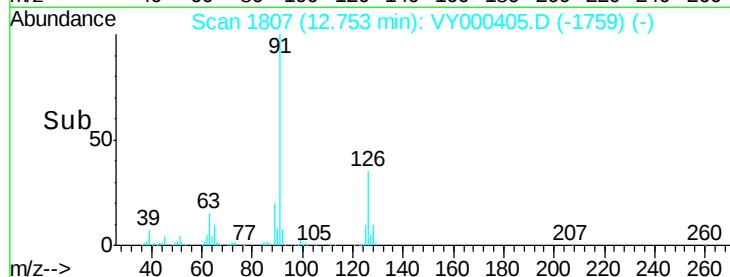
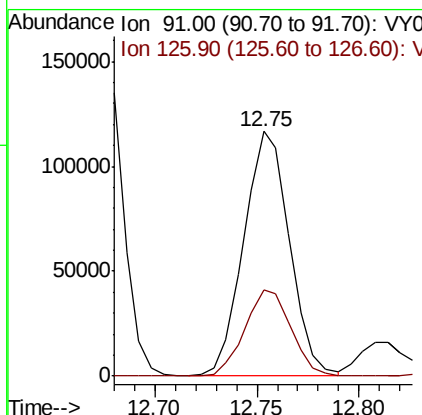
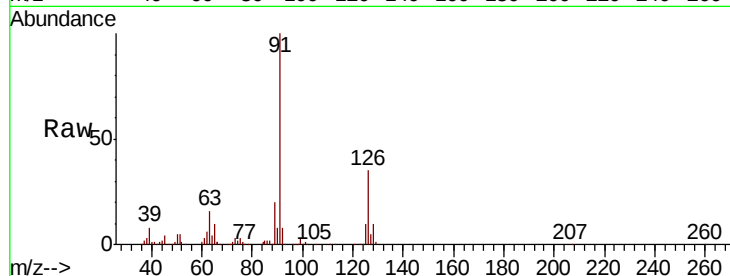
#79
2-Chlorotoluene
Concen: 21.518 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.1	51.3

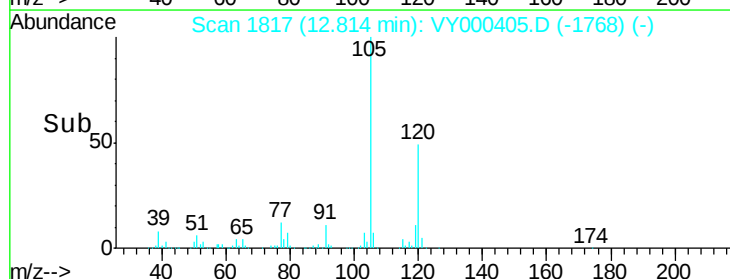
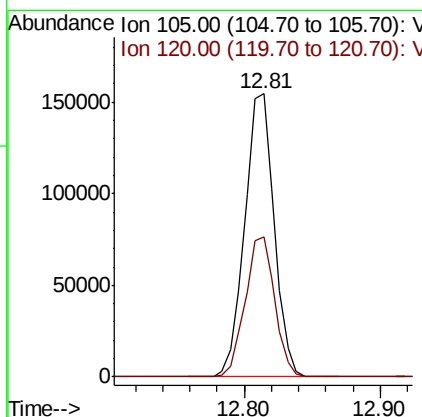
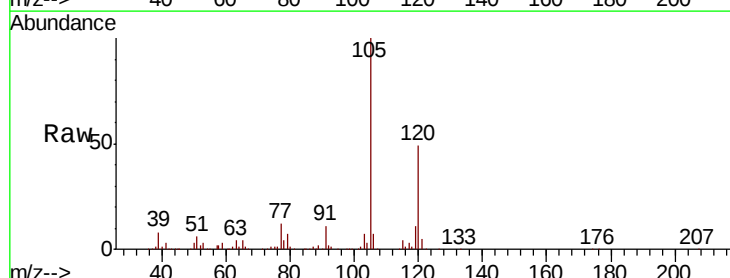
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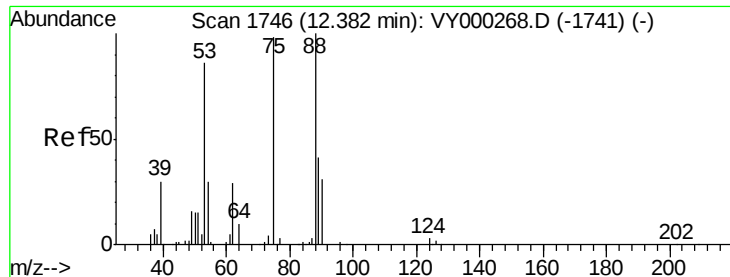
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.972 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.9	74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.310 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion: 75 Resp: 18592

Ion Ratio Lower Upper

75 100

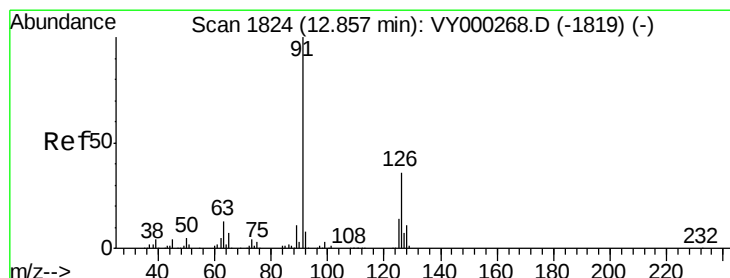
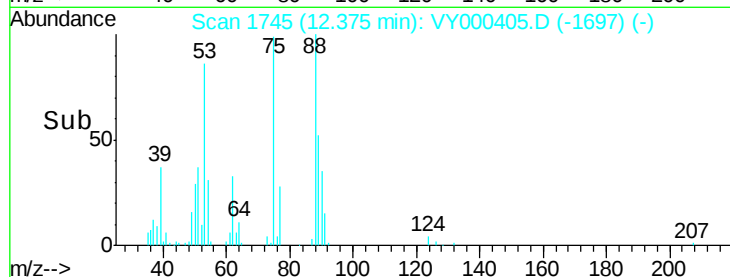
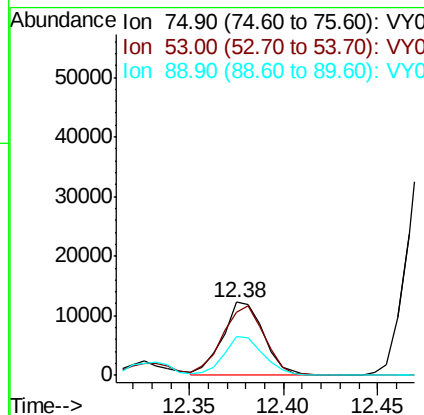
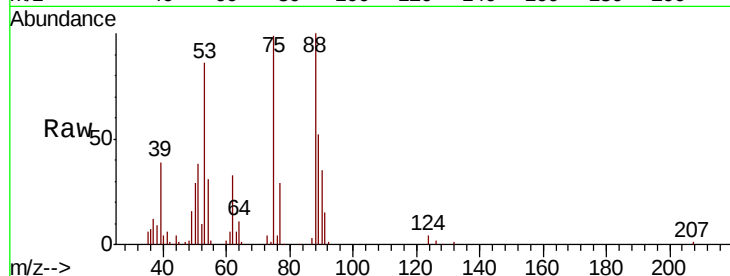
53 97.2 71.3 106.9

89 51.0 35.1 52.7

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#82

4-Chlorotoluene

Concen: 21.479 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY000405.D

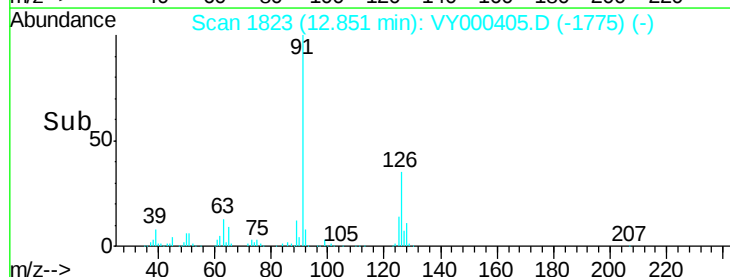
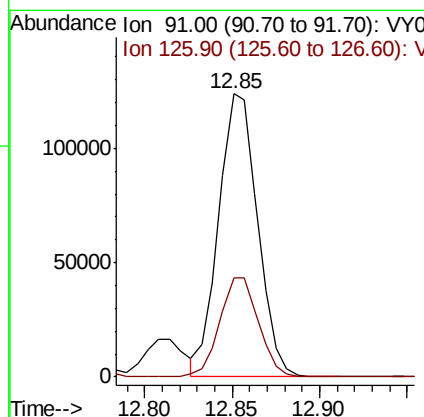
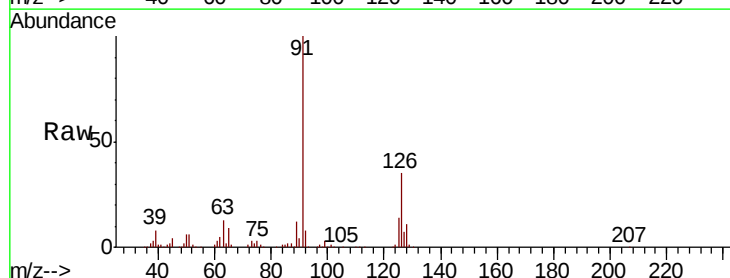
Acq: 24 Oct 2019 13:32

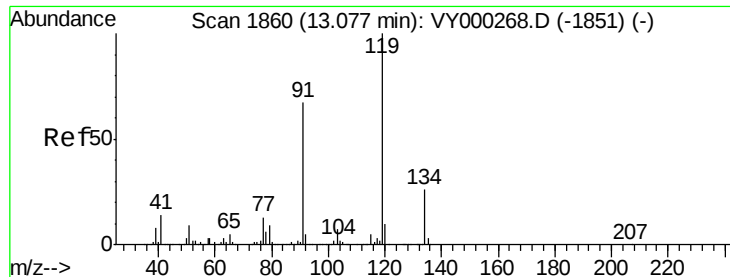
Tgt Ion: 91 Resp: 191203

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.5





#83

tert-Butylbenzene

Concen: 21.852 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:119 Resp: 197076

Ion Ratio Lower Upper

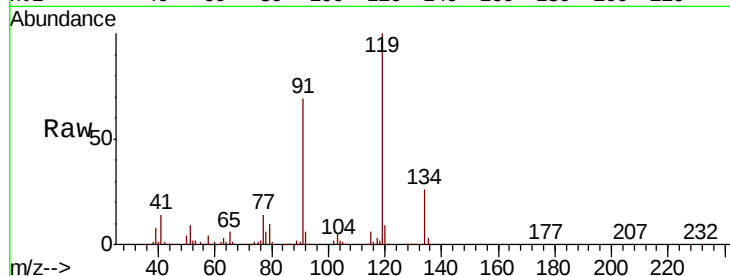
119 100

91 67.5 32.9 98.7

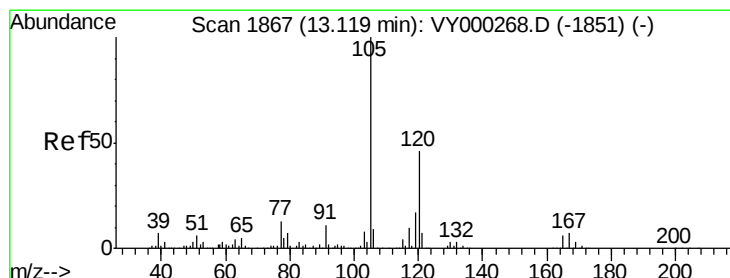
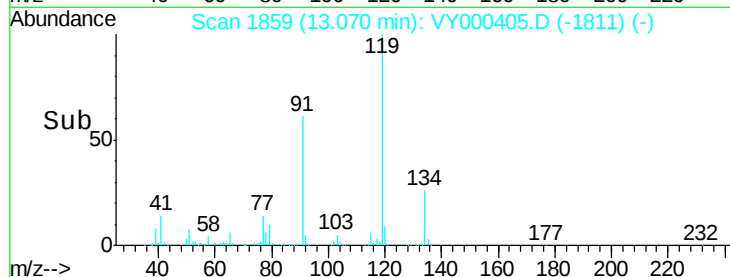
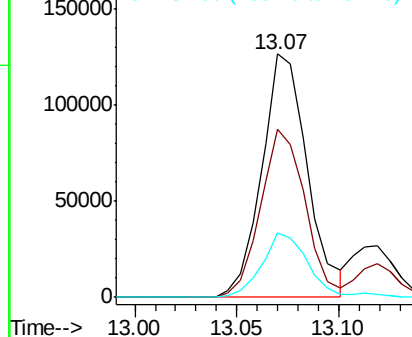
134 27.2 13.3 39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.179 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000405.D

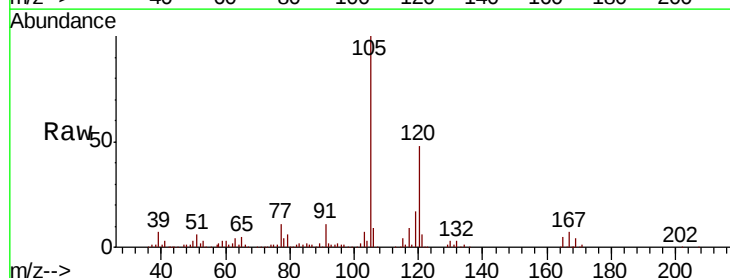
Acq: 24 Oct 2019 13:32

Tgt Ion:105 Resp: 233119

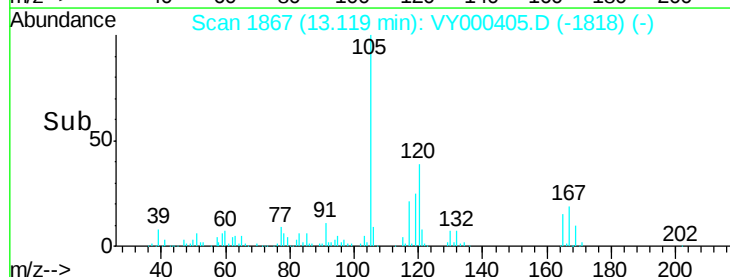
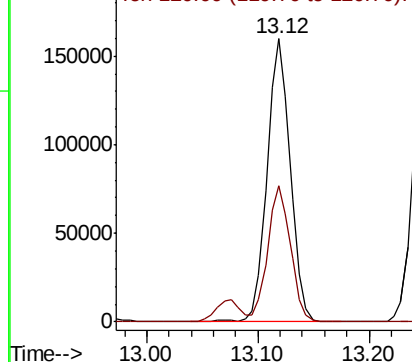
Ion Ratio Lower Upper

105 100

120 47.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.723 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS01

Tot Ion:105 Resp: 283407

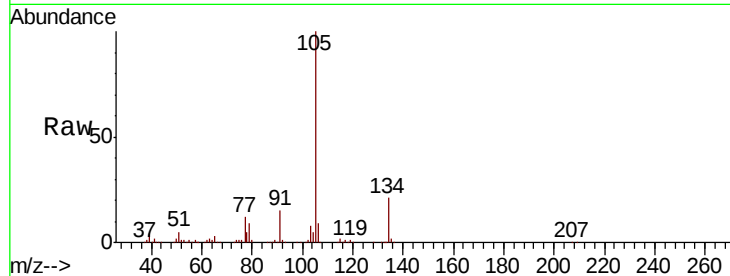
Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1

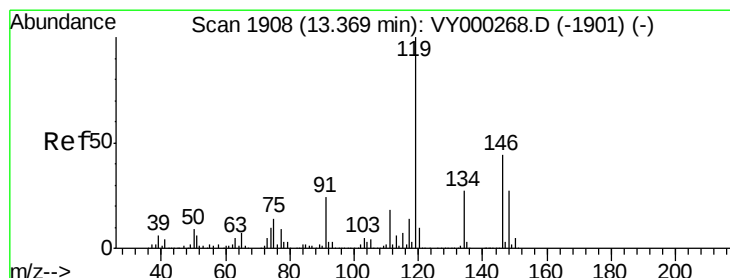
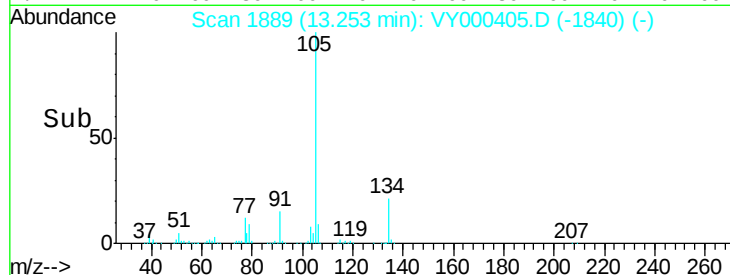
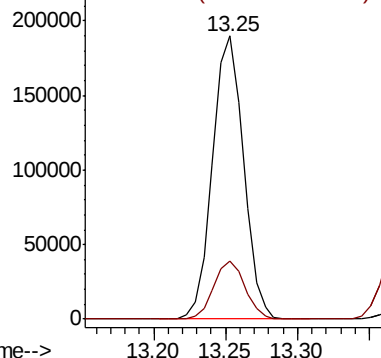
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.408 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000405.D

Acq: 24 Oct 2019 13:32

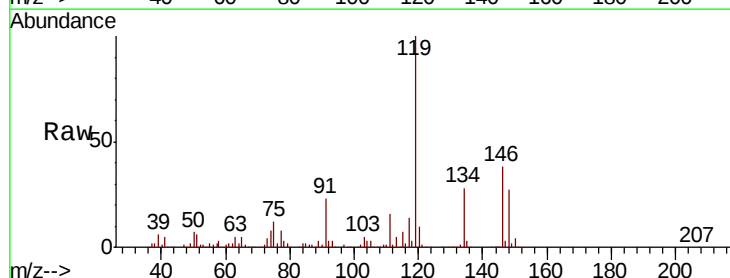
Tgt Ion:119 Resp: 254867

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

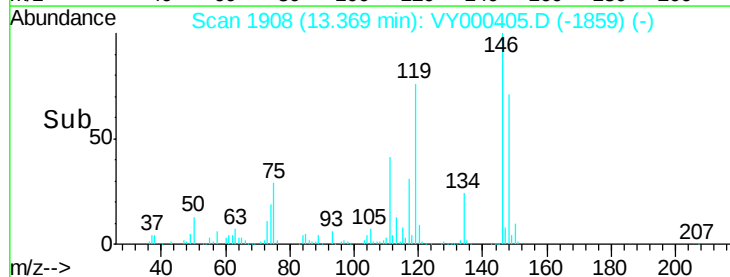
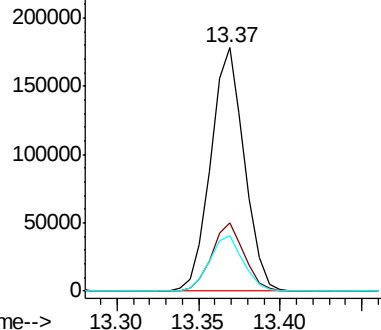
91 22.8 12.0 36.1

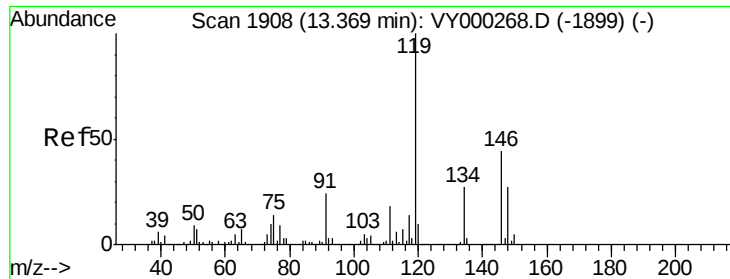


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





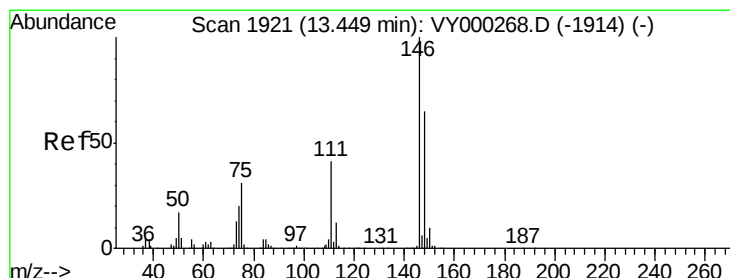
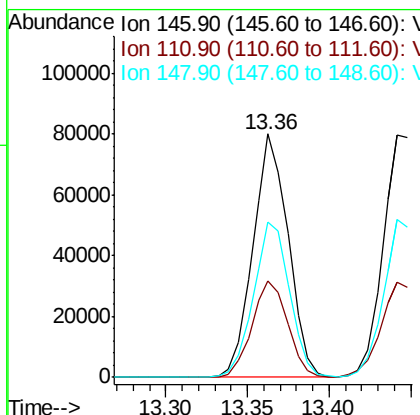
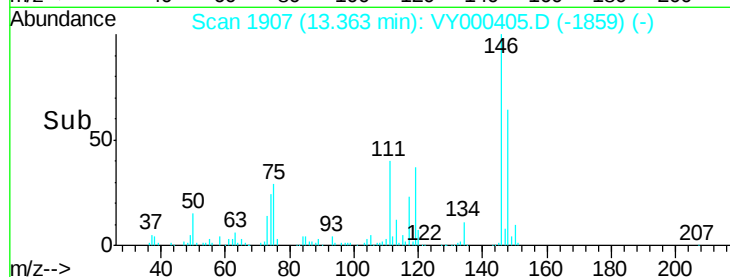
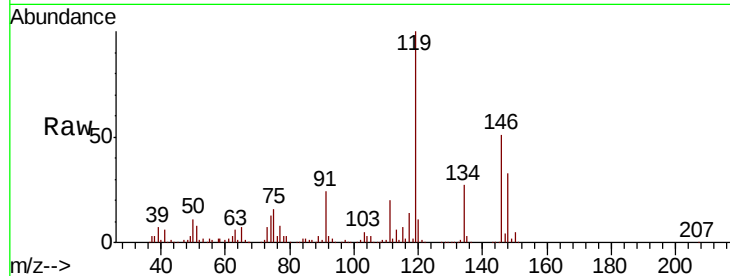
#87
 1,3-Dichlorobenzene
 Concen: 21.608 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120321		
111	40.1	20.6	61.8	
148	65.3	31.9	95.5	

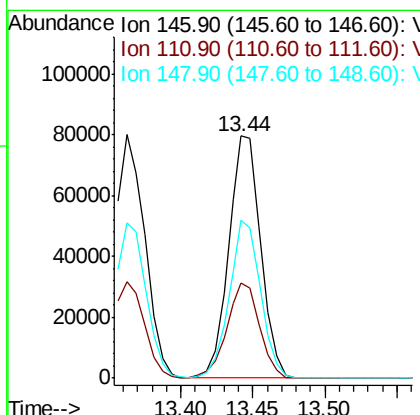
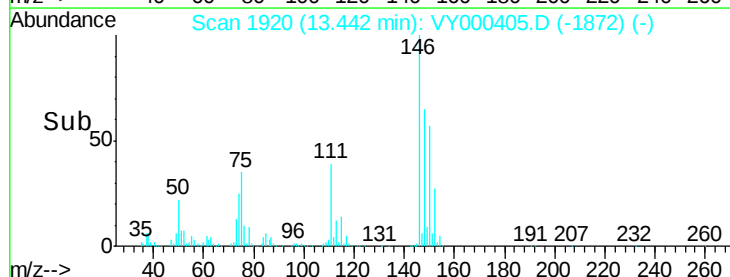
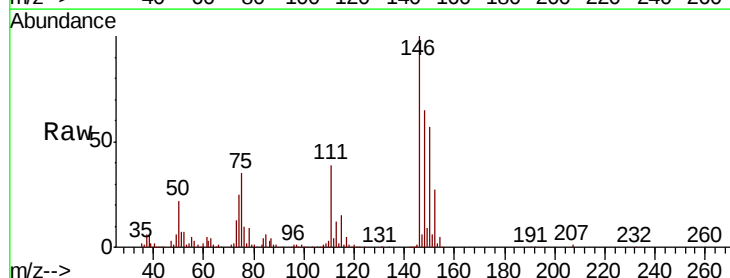
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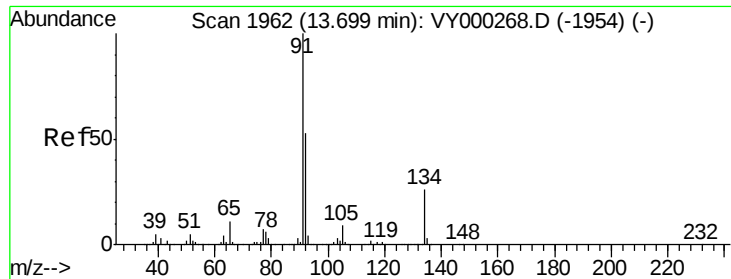
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#88
 1,4-Dichlorobenzene
 Concen: 22.116 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123087		
111	40.6	20.1	60.2	
148	64.0	32.4	97.2	





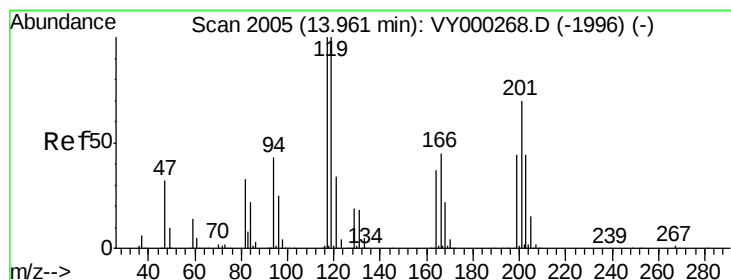
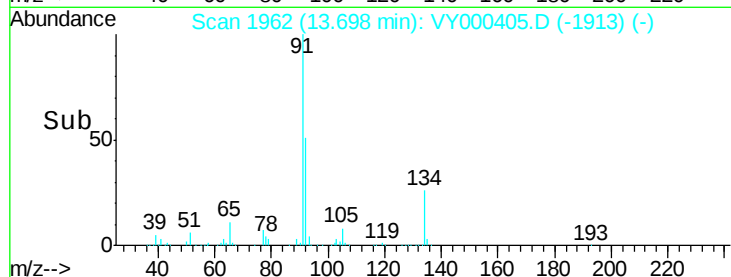
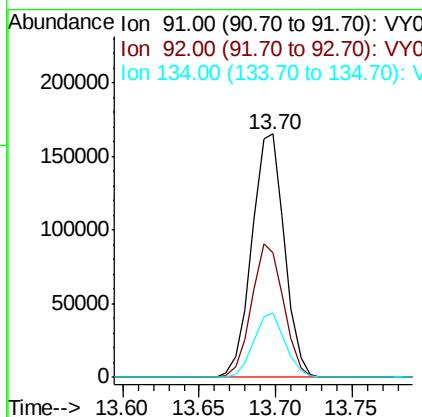
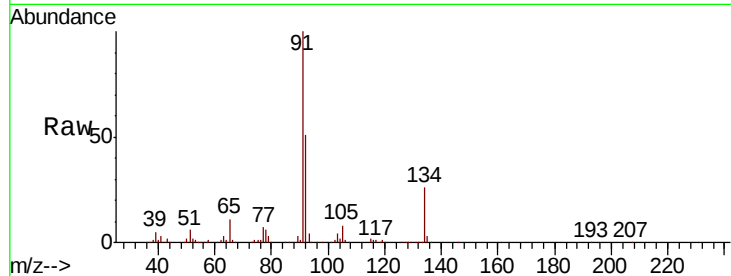
#89
n-Butylbenzene
Concen: 21.733 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.1
134	25.6	13.0	38.9

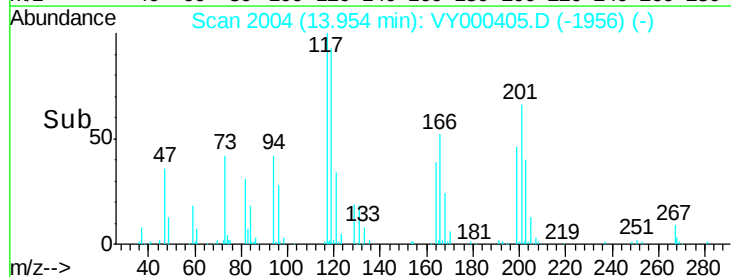
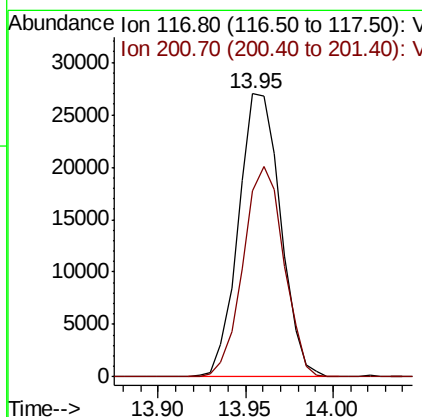
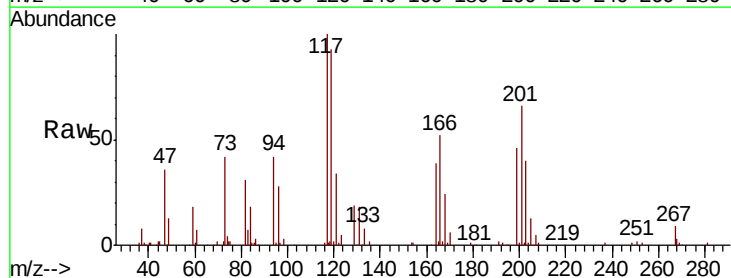
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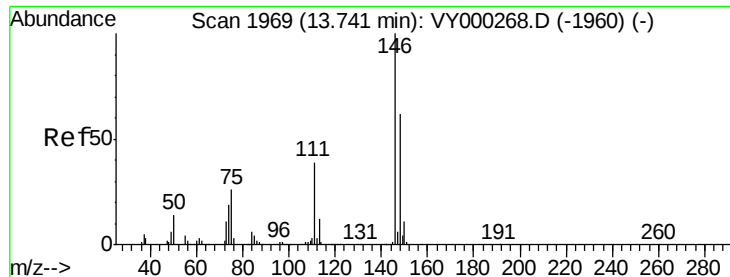
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#90
Hexachloroethane
Concen: 21.450 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	36.3	108.7





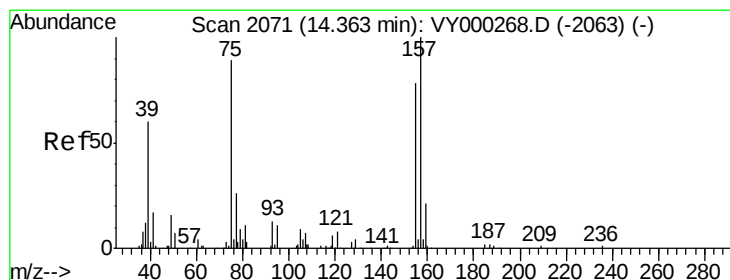
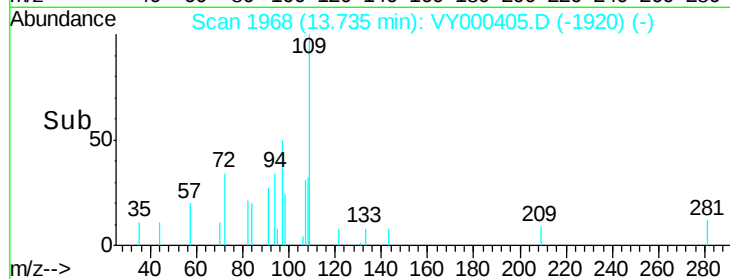
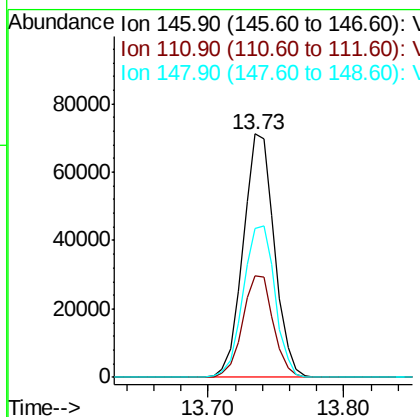
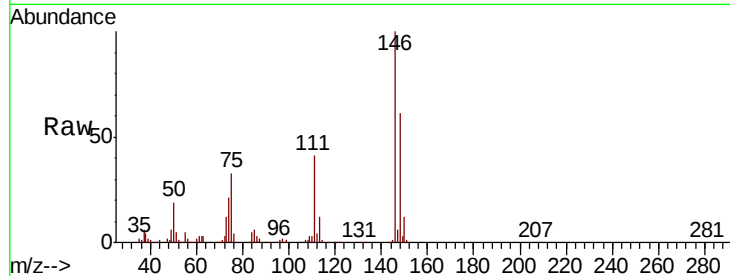
#91
 1,2-Dichlorobenzene
 Concen: 22.516 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	63.8	31.6	95.0

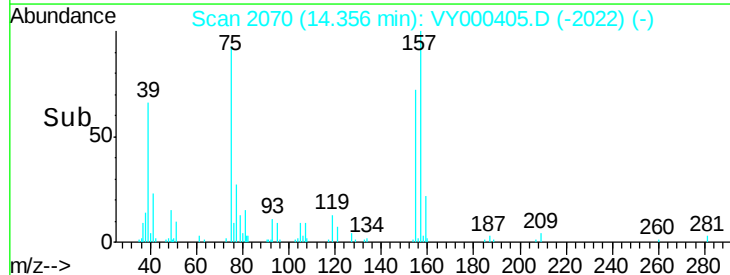
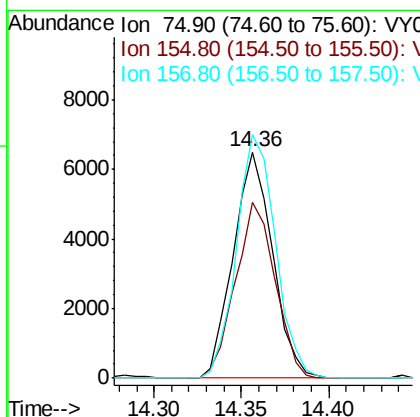
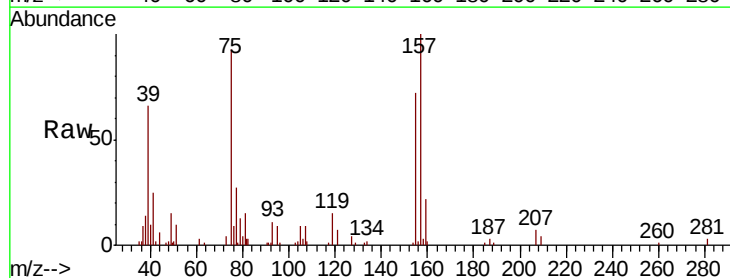
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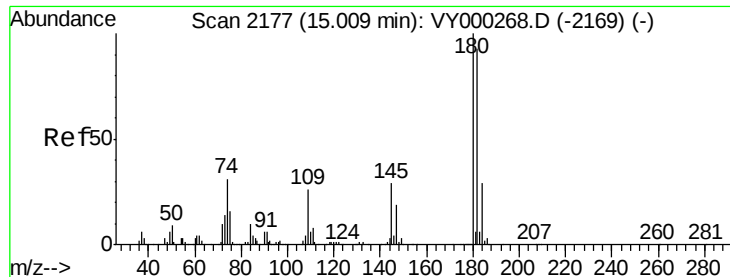
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.412 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	45.8	137.3
157	107.0	55.6	166.9





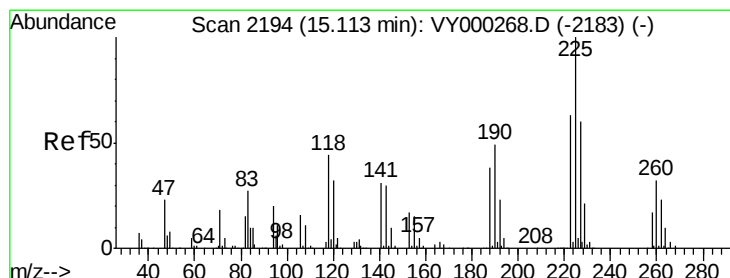
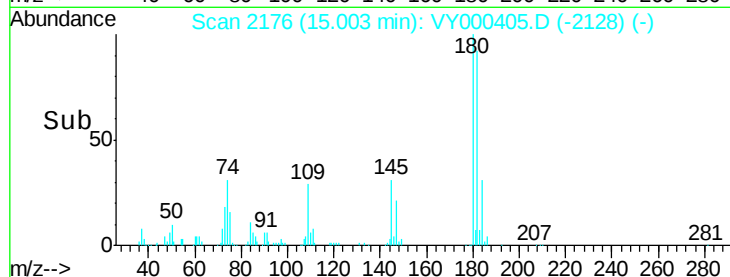
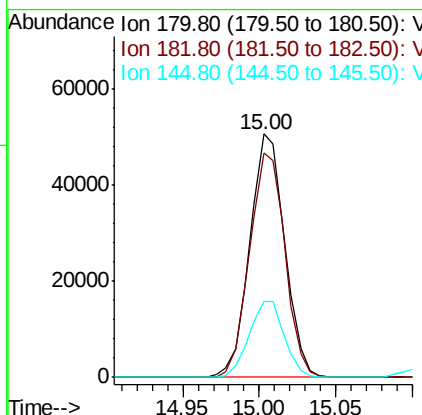
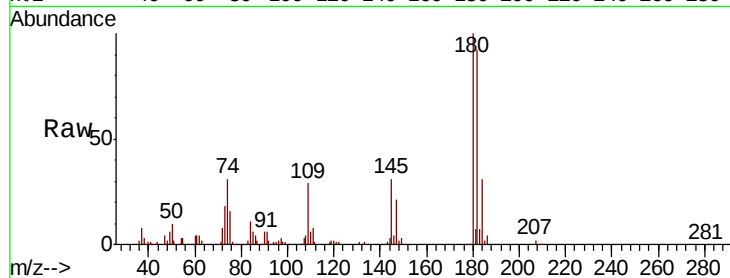
#93
 1,2,4-Trichlorobenzene
 Concen: 22.888 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.5	142.6	
145	31.3	15.4	46.1	

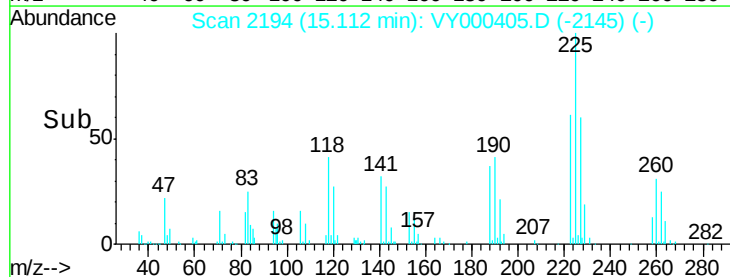
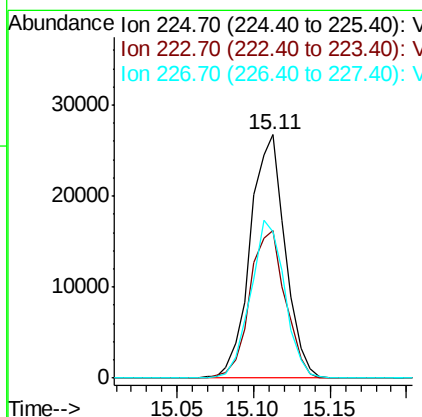
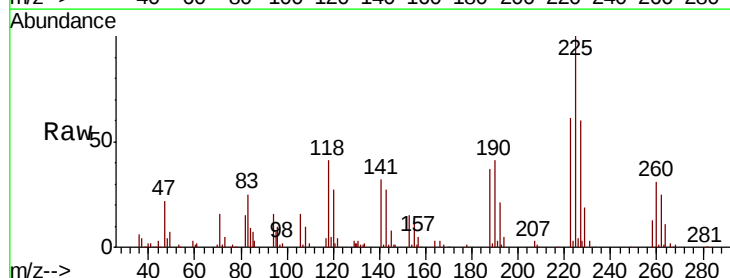
Manual Integrations
 APPROVED

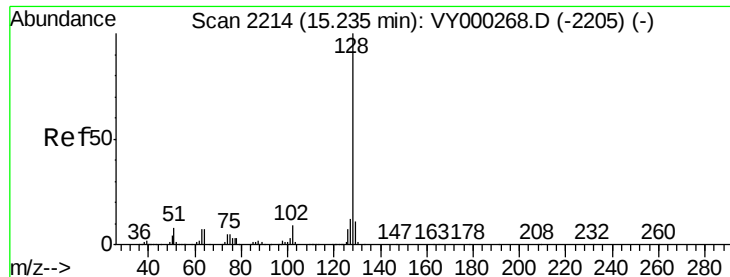
MMDadoda
 10/25/2019 4:46:31 PM



#94
 Hexachlorobutadiene
 Concen: 22.334 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000405.D
 Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.9	95.7	
227	63.3	31.4	94.2	





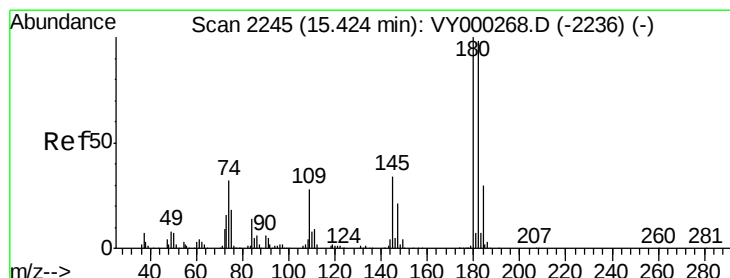
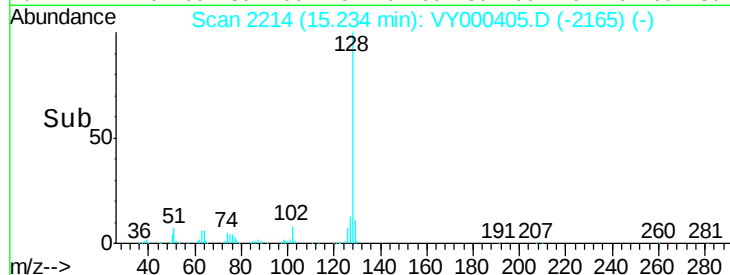
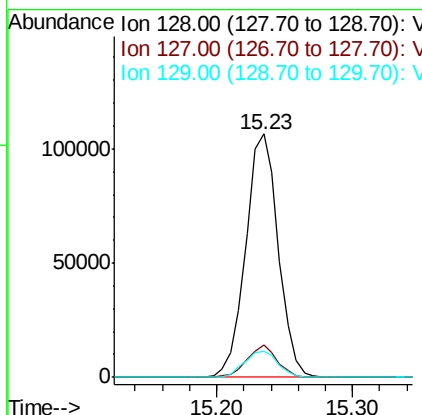
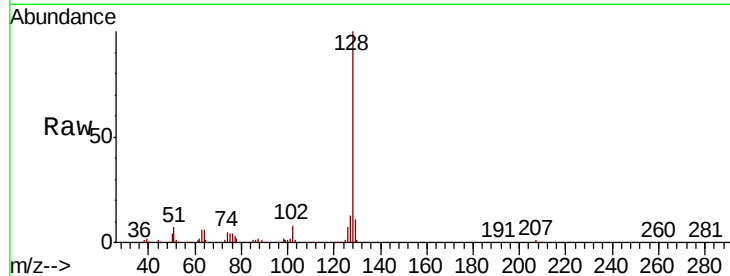
#95
Naphthalene
Concen: 22.760 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178197		
127	12.3		9.6	14.4
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:46:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.528 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000405.D
Acq: 24 Oct 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71235		
182	95.7		46.5	139.5
145	33.4		16.2	48.5

