

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000379.D
 Acq On : 23 Oct 2019 14:28
 Operator : SY/MD
 Sample : VY1023SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:16 PM

Quant Time: Oct 24 04:59:04 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	238328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	395869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	130064	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.73	113	111943	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.19	98	453326	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.48	95	162879	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	46848	22.487	ug/l 96
3) Chloromethane	2.12	50	74376	25.539	ug/l 100
4) Vinyl Chloride	2.25	62	62029	21.104	ug/l 98
5) Bromomethane	2.63	94	35316	16.213	ug/l 94
6) Chloroethane	2.79	64	39488	20.823	ug/l 99
7) Trichlorofluoromethane	3.13	101	85707	21.318	ug/l 100
8) Diethyl Ether	3.53	74	31398	22.107	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	52849	21.675	ug/l 99
10) Methyl Iodide	4.10	142	49459	15.090	ug/l 99
11) Tert butyl alcohol	4.97	59	26971	102.516	ug/l 99
12) 1,1-Dichloroethene	3.88	96	49816	20.696	ug/l 97
13) Acrolein	3.74	56	21897	70.991	ug/l 95
14) Allyl chloride	4.49	41	86152	21.598	ug/l 99
15) Acrylonitrile	5.17	53	81034	101.934	ug/l 96
16) Acetone	3.96	43	79287	97.388	ug/l 99
17) Carbon Disulfide	4.19	76	150526	19.862	ug/l 100
18) Methyl Acetate	4.49	43	40919	20.229	ug/l 98
19) Methyl tert-butyl Ether	5.22	73	146313	21.835	ug/l 99
20) Methylene Chloride	4.72	84	65697	20.772	ug/l 97
21) trans-1,2-Dichloroethene	5.22	96	58688	21.251	ug/l 92
22) Diisopropyl ether	6.13	45	180486	21.393	ug/l 96
23) Vinyl Acetate	6.07	43	567391	103.088	ug/l 99
24) 1,1-Dichloroethane	6.03	63	98724	21.438	ug/l 99
25) 2-Butanone	7.00	43	117519	102.470	ug/l 96
26) 2,2-Dichloropropane	7.00	77	92152	21.717	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	64325	21.526	ug/l 99
28) Bromochloromethane	7.35	49	37094	18.764	ug/l 96
29) Tetrahydrofuran	7.36	42	71715	103.181	ug/l 98
30) Chloroform	7.52	83	99405	21.435	ug/l 99
31) Cyclohexane	7.79	56	100035	20.798	ug/l 95
32) 1,1,1-Trichloroethane	7.71	97	90493	21.948	ug/l 99
36) 1,1-Dichloropropene	7.93	75	83252	21.480	ug/l 98
37) Ethyl Acetate	7.09	43	46273	20.163	ug/l 98
38) Carbon Tetrachloride	7.91	117	78703	20.972	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	104358	20.573	ug/l	95
40) Benzene	8.17	78	234566	20.942	ug/l	100
41) Methacrylonitrile	7.33	41	18325m	16.775	ug/l	
42) 1,2-Dichloroethane	8.25	62	69859	21.835	ug/l	100
43) Isopropyl Acetate	8.28	43	88356	20.248	ug/l	98
44) Trichloroethene	8.95	130	66215	21.069	ug/l	95
45) 1,2-Dichloropropane	9.23	63	58889	21.424	ug/l	95
46) Dibromomethane	9.31	93	33479	21.788	ug/l	96
47) Bromodichloromethane	9.50	83	76877	21.230	ug/l	98
48) Methyl methacrylate	9.30	41	37361	19.536	ug/l	95
49) 1,4-Dioxane	9.30	88	9995	433.833	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	237884	105.696	ug/l	100
52) Toluene	10.25	92	148828	20.929	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82147	21.167	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	94560	21.455	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	48189	21.570	ug/l	94
56) Ethyl methacrylate	10.51	69	65026	20.420	ug/l	96
57) 1,3-Dichloropropane	10.79	76	81199	21.163	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	150663	118.617	ug/l	99
59) 2-Hexanone	10.83	43	176016	111.419	ug/l	99
60) Dibromochloromethane	10.99	129	53627	21.657	ug/l	94
61) 1,2-Dibromoethane	11.09	107	45657	21.284	ug/l	98
64) Tetrachloroethene	10.72	164	68678	20.883	ug/l	98
65) Chlorobenzene	11.52	112	159727	21.909	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	55481	21.663	ug/l	99
67) Ethyl Benzene	11.60	91	288354	21.336	ug/l	96
68) m/p-Xylenes	11.70	106	219955	42.572	ug/l	99
69) o-Xylene	12.03	106	107158	21.741	ug/l	95
70) Styrene	12.05	104	175116	21.067	ug/l	99
71) Bromoform	12.21	173	30844	20.950	ug/l #	99
73) Isopropylbenzene	12.33	105	282209	20.943	ug/l	99
74) N-amyl acetate	12.14	43	77806	23.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51978	20.545	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	43052m	20.260	ug/l	
77) Bromobenzene	12.61	156	65447	21.827	ug/l	93
78) n-propylbenzene	12.67	91	343799	21.250	ug/l	100
79) 2-Chlorotoluene	12.75	91	189607	21.221	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	238483	21.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19968	20.560	ug/l	95
82) 4-Chlorotoluene	12.85	91	198307	20.997	ug/l	99
83) tert-Butylbenzene	13.08	119	206894	21.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	237627	21.309	ug/l	99
85) sec-Butylbenzene	13.25	105	295991	21.384	ug/l	99
86) p-Isopropyltoluene	13.37	119	260216	21.563	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	126340	21.385	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	128433	21.750	ug/l	99
89) n-Butylbenzene	13.70	91	253811	21.283	ug/l	99
90) Hexachloroethane	13.96	117	47795	21.389	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	117126	21.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9274	19.328	ug/l	94

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VY1023SBSD01

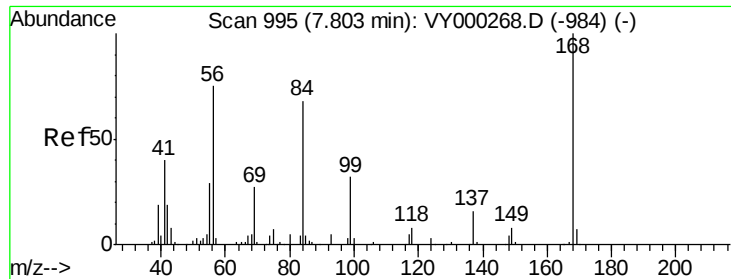
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	81003	21.761	ug/l	97
94) Hexachlorobutadiene	15.11	225	42079	20.889	ug/l	96
95) Naphthalene	15.23	128	178387	21.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	74580	22.231	ug/l	99

(#) = 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: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion:168 Resp: 238328

Ion Ratio Lower Upper

168 100

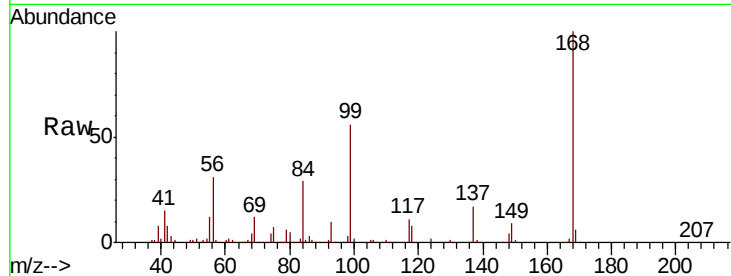
99 56.3 46.6 69.8

Manual Integrations

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MMDadoda

10/24/2019 4:30:16 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000379.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000379.D (-946) (-)

7.80

120000

100000

80000

60000

40000

20000

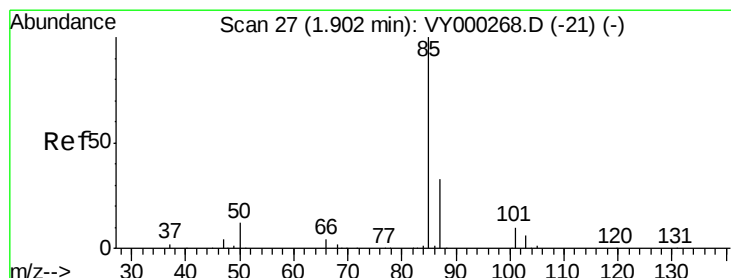
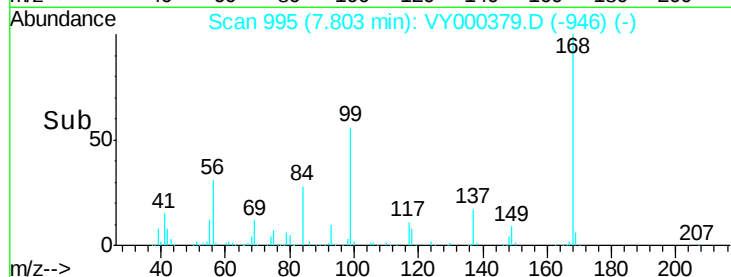
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.487 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000379.D

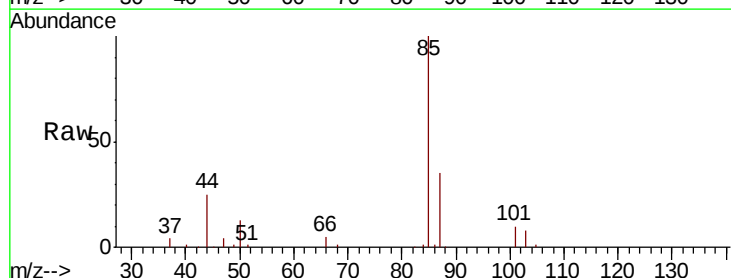
Acq: 23 Oct 2019 14:28

Tgt Ion: 85 Resp: 46848

Ion Ratio Lower Upper

85 100

87 35.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000379.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000379.D (-1) (-)

1.90

30000

20000

10000

0

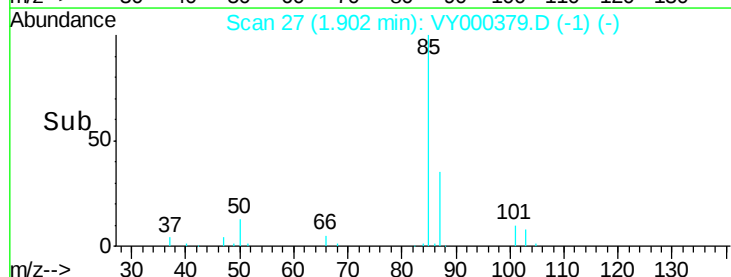
1.85

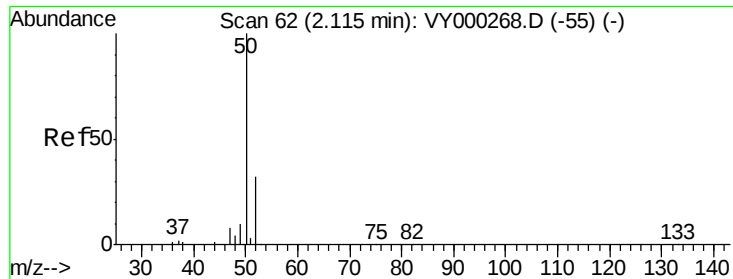
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 25.539 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 50 Resp: 74376

Ion Ratio Lower Upper

50 100

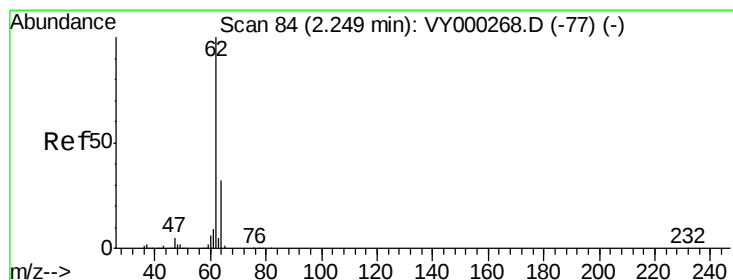
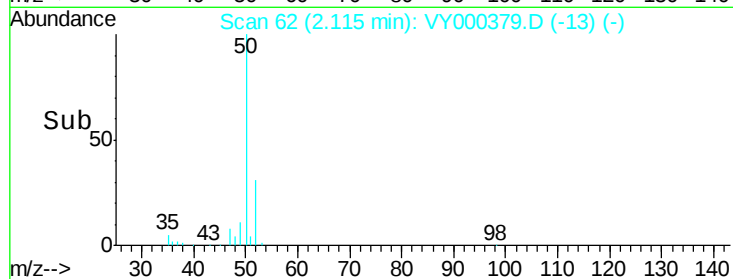
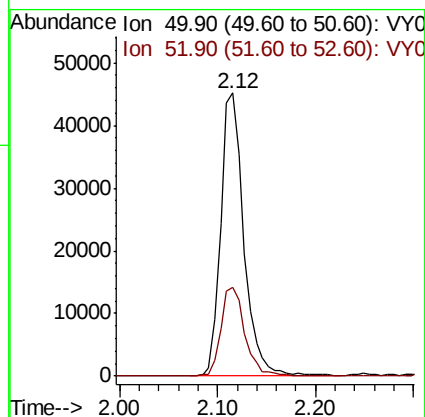
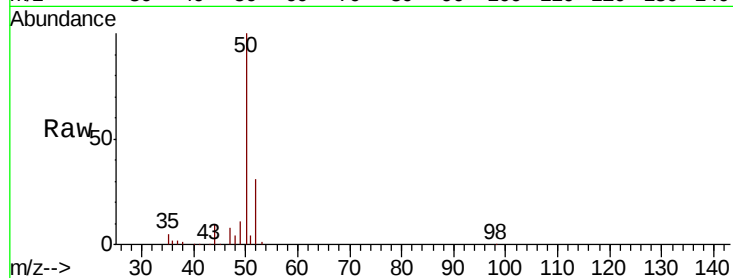
52 31.5 25.3 37.9

Manual Integrations

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10/24/2019 4:30:16 PM



#4

Vinyl Chloride

Concen: 21.104 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000379.D

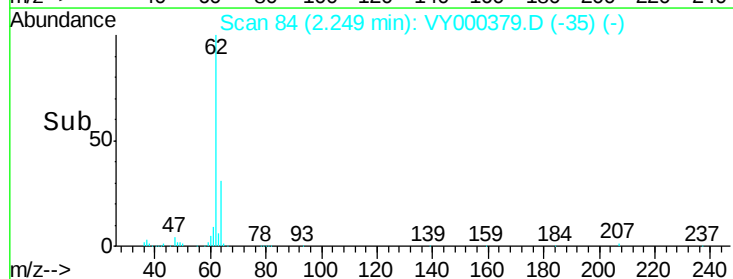
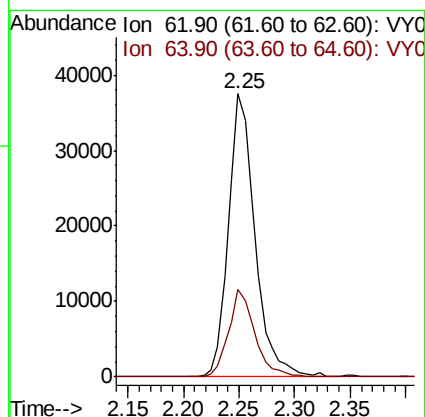
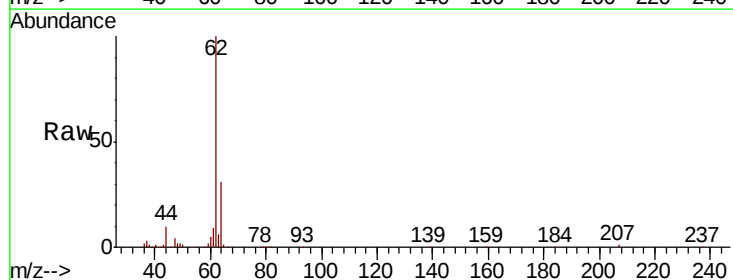
Acq: 23 Oct 2019 14:28

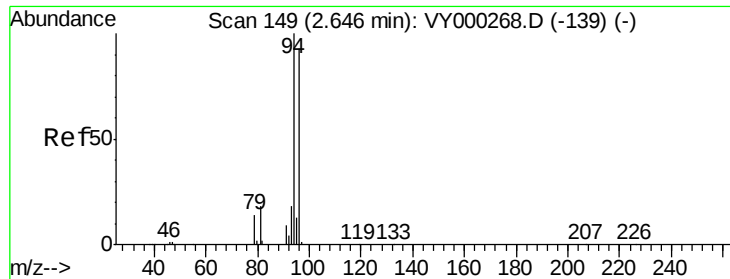
Tgt Ion: 62 Resp: 62029

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 16.213 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 94 Resp: 35316

Ion Ratio Lower Upper

94 100

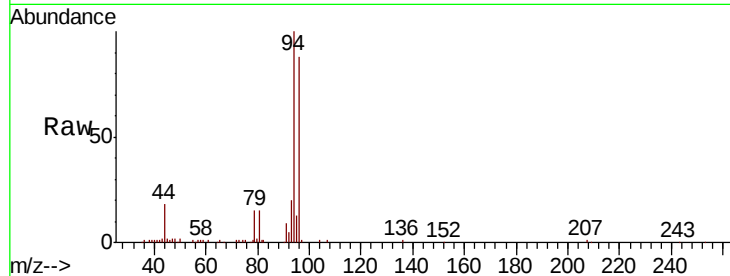
96 87.0 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

20000

15000

10000

5000

0

Time-->

2.50

2.60

2.70

2.80

2.90

3.00

3.10

3.20

3.30

3.40

3.50

3.60

3.70

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

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5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

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6.80

6.90

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7.80

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9.00

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15.80

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16.00

16.10

16.20

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17.00

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18.00

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20.10

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20.70

20.80

20.90

21.00

21.10

21.20

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21.80

21.90

22.00

22.10

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23.00

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24.90

25.00

25.10

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25.40

25.50

25.60

25.70

25.80

25.90

26.00

26.10

26.20

26.30

26.40

26.50

26.60

26.70

26.80

26.90

27.00

27.10

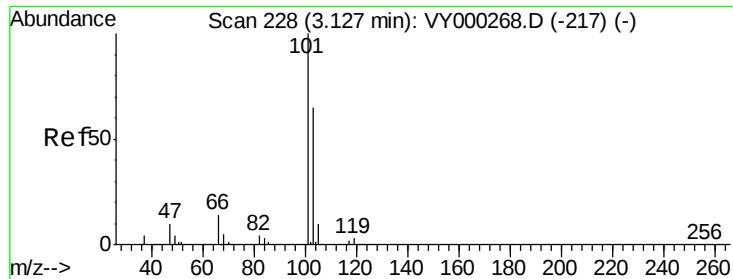
27.20

27.30

27.40

27.50

27.60



#7

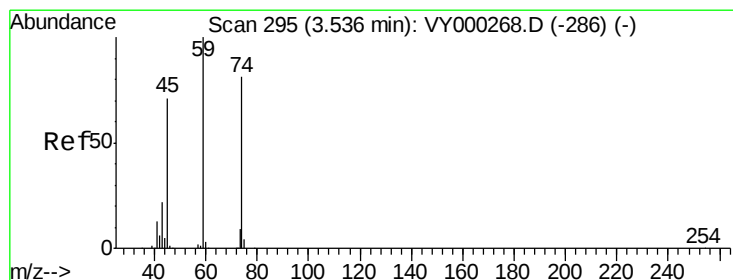
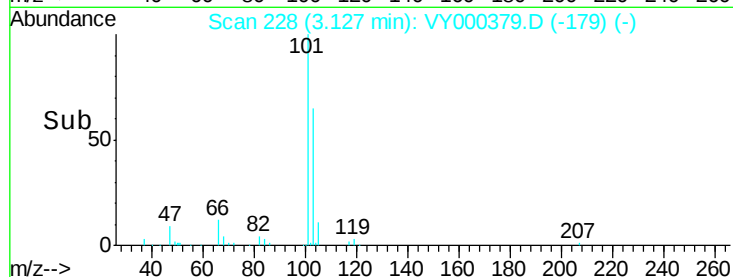
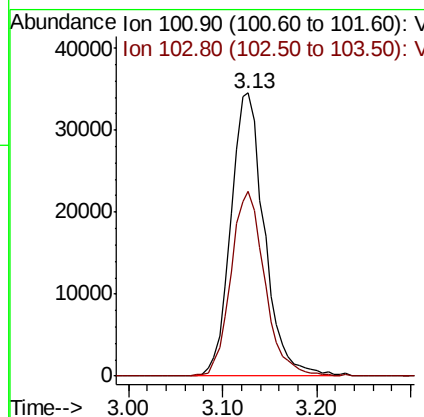
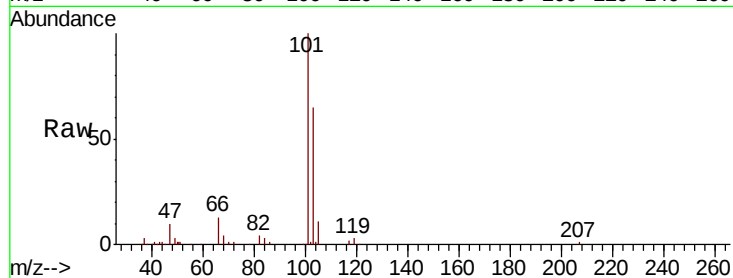
Trichlorofluoromethane
Concen: 21.318 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
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Instrument :
MSVOA_Y
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VY1023SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
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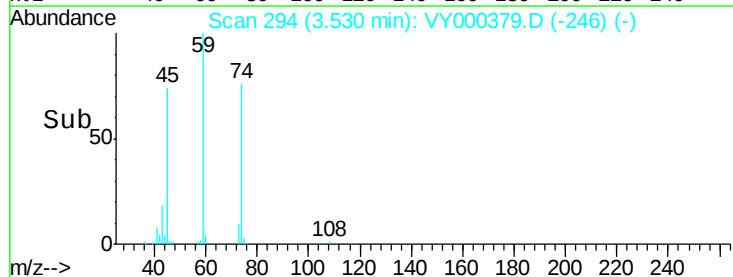
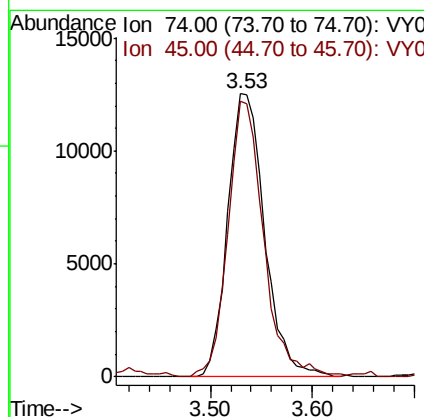
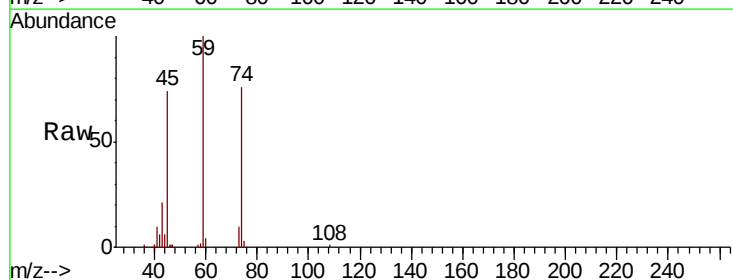
MMDadoda
10/24/2019 4:30:16 PM

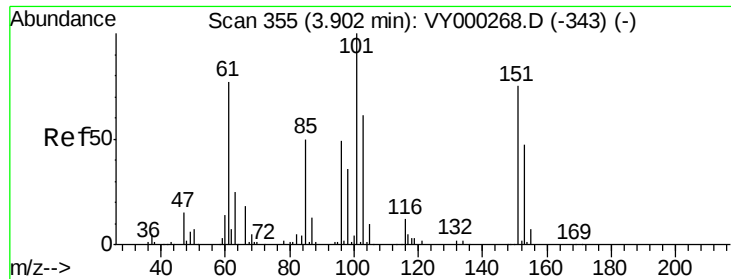


#8

Diethyl Ether
Concen: 22.107 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.675 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

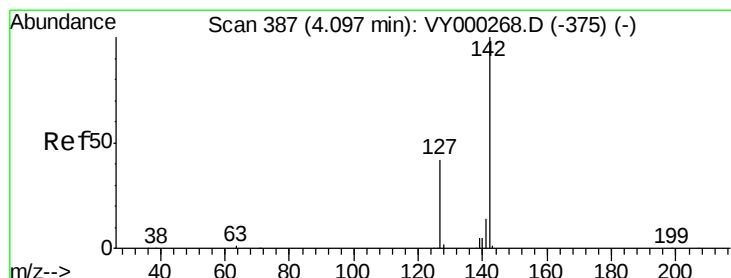
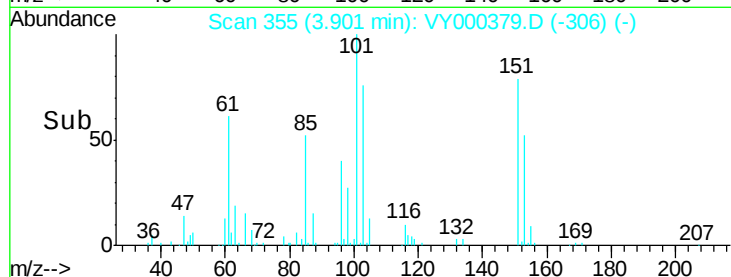
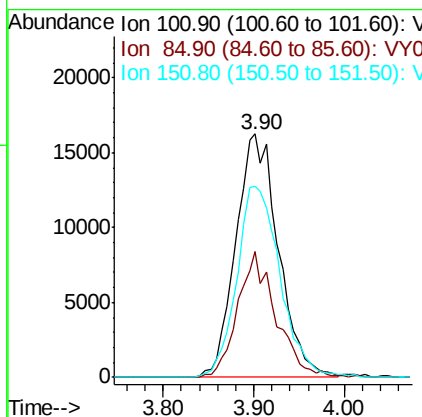
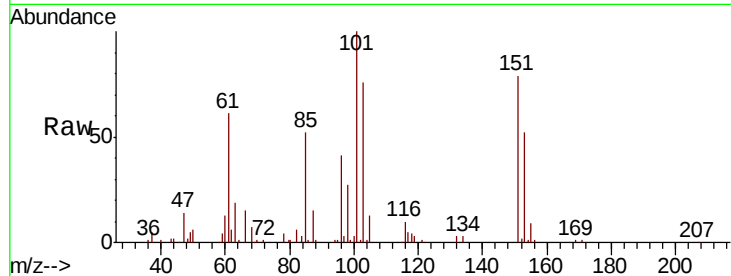
ClientSampleId :

VY1023SBS01

Tot Ion:	101	Resp:	52849
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.6	55.0
151	80.0	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.090 ug/l

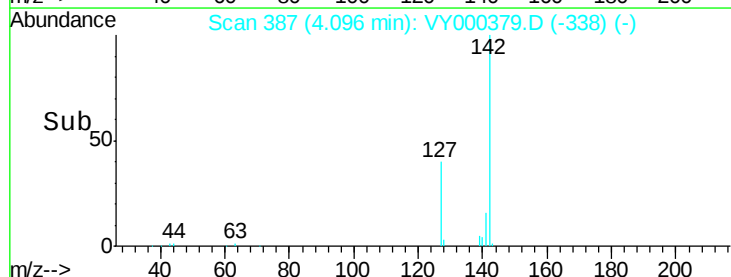
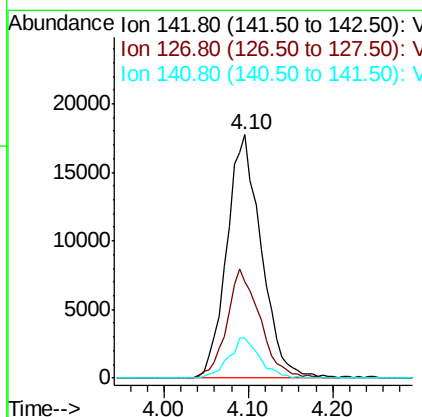
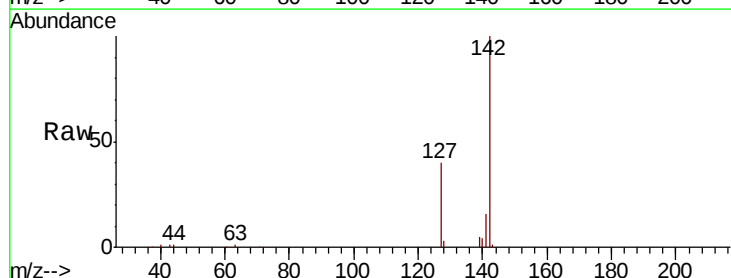
RT: 4.10 min Scan# 387

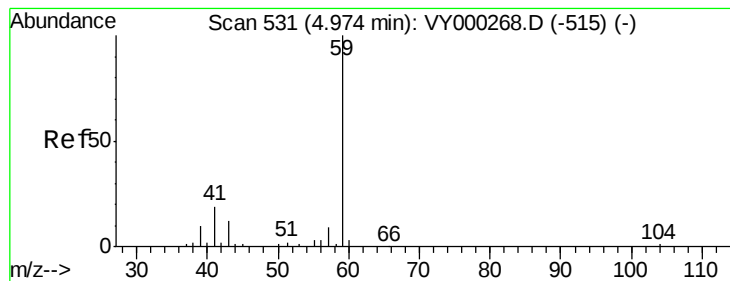
Delta R.T. 0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	142	Resp:	49459
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	15.0	11.2	16.8





#11

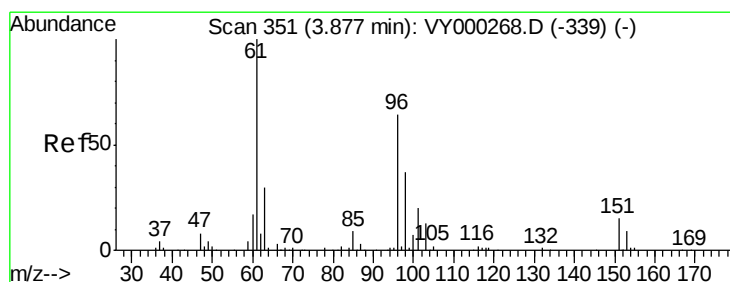
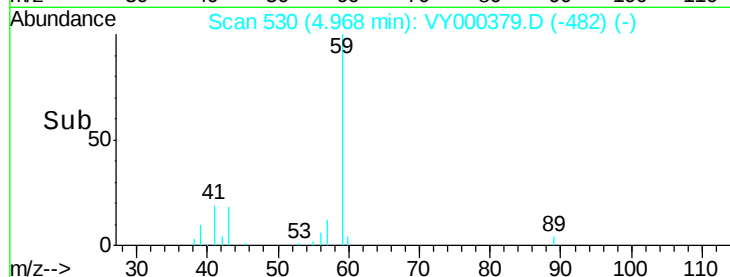
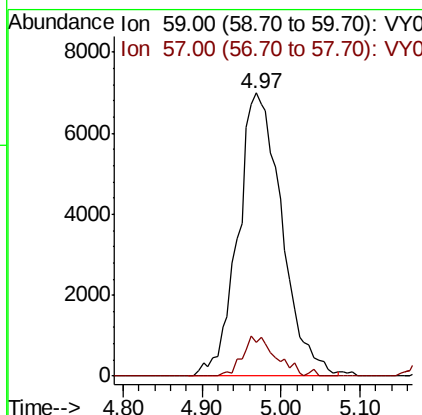
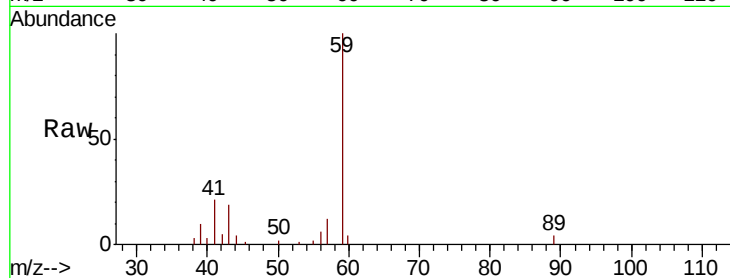
Tert butyl alcohol
 Concen: 102.516 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	26971		
57	10.6		8.2	12.2

Manual Integrations
 APPROVED

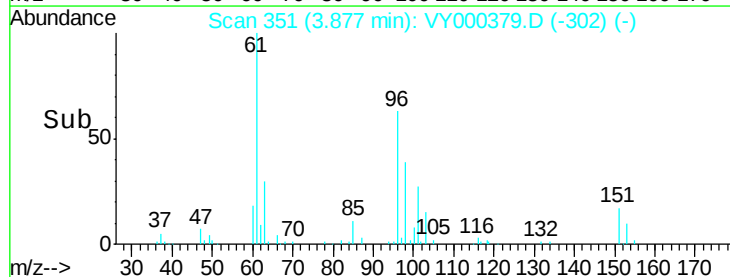
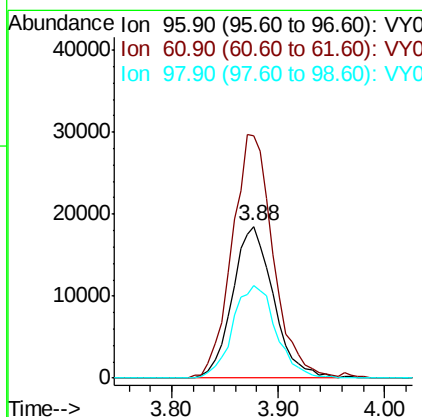
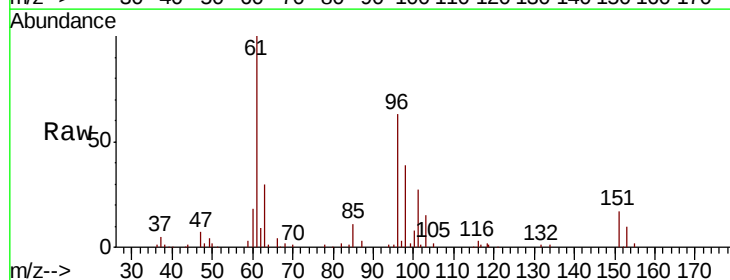
MMDadoda
 10/24/2019 4:30:16 PM

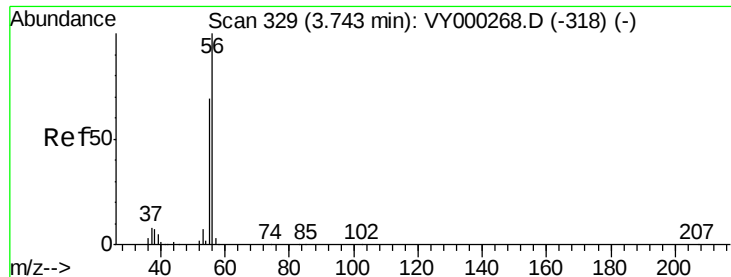


#12

1,1-Dichloroethene
 Concen: 20.696 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49816		
61	159.7		125.8	188.6
98	61.5		46.2	69.2





#13

Acrolein

Concen: 70.991 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 56 Resp: 21897

Ion Ratio Lower Upper

56 100

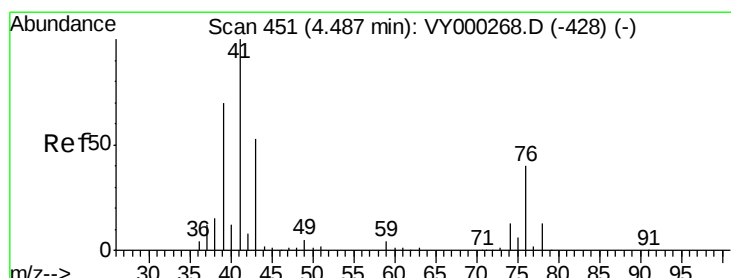
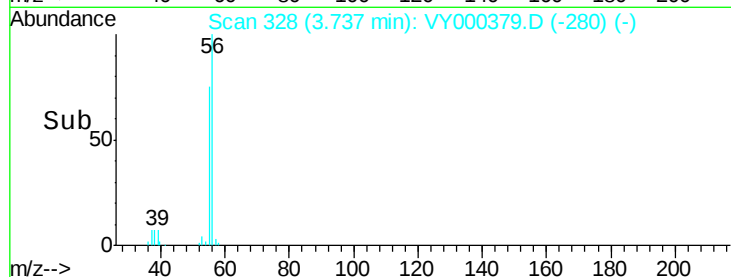
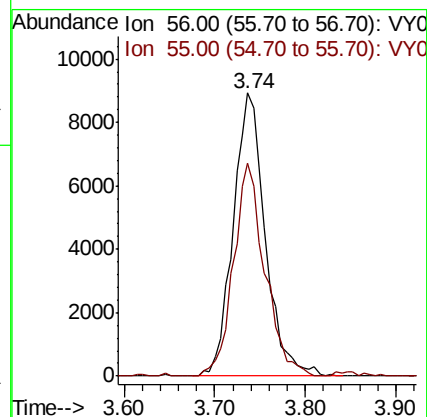
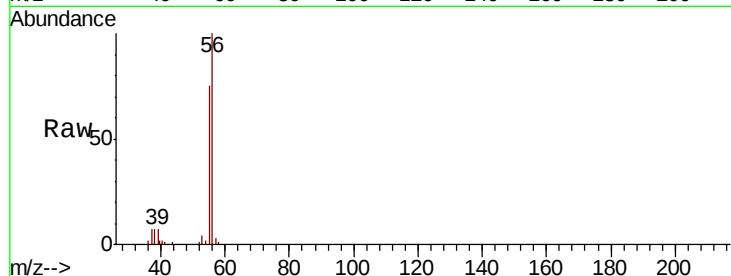
55 73.4 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 21.598 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

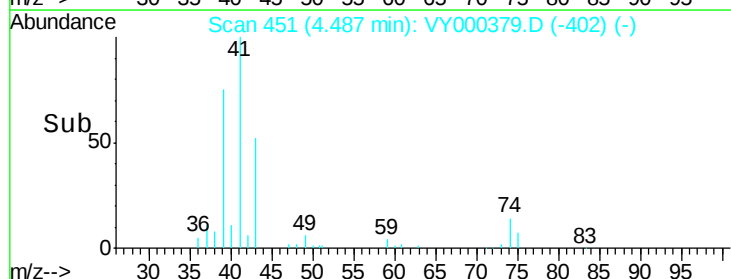
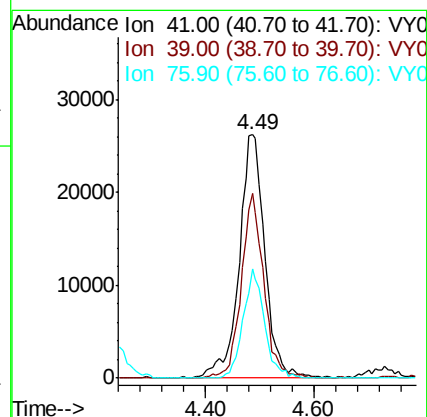
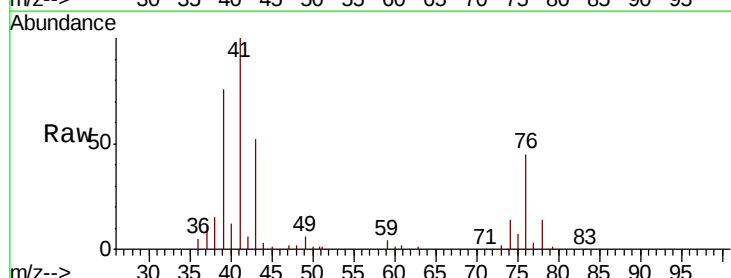
Tgt Ion: 41 Resp: 86152

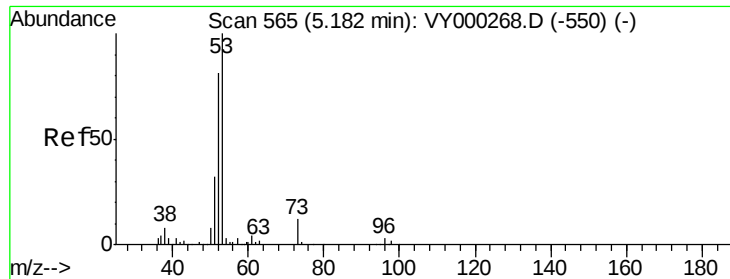
Ion Ratio Lower Upper

41 100

39 66.6 54.0 81.0

76 37.2 30.7 46.1





#15

Acrylonitrile

Concen: 101.934 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

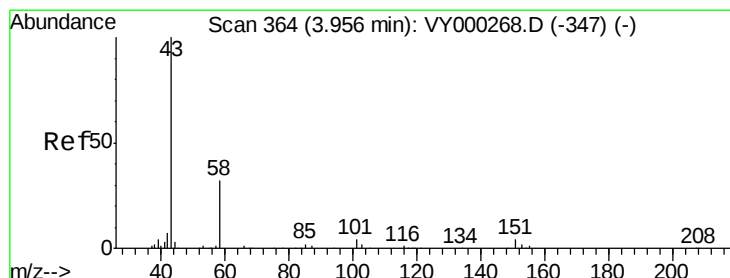
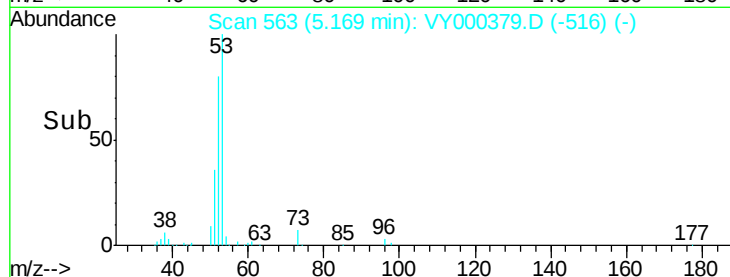
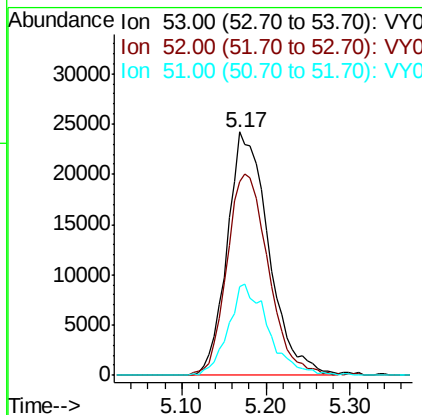
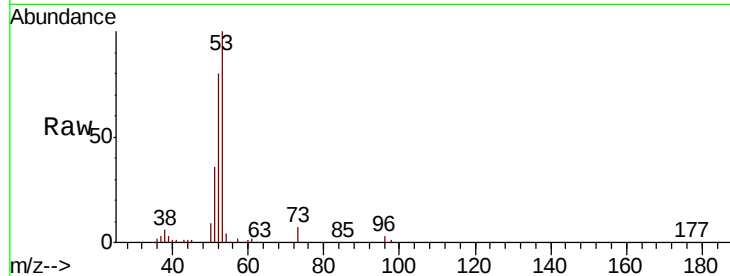
ClientSampleId :

VY1023SBS01

Tot Ion:	53	Resp:	81034
Ion	Ratio	Lower	Upper
53	100		
52	82.7	62.9	94.3
51	36.0	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 97.388 ug/l

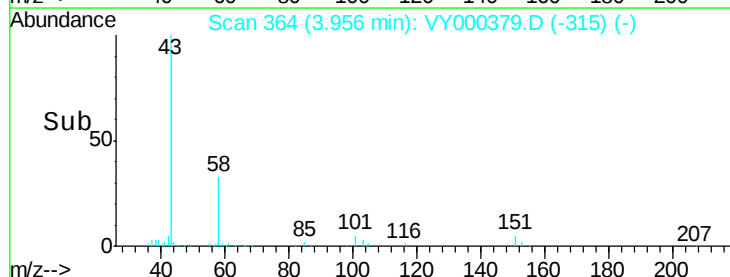
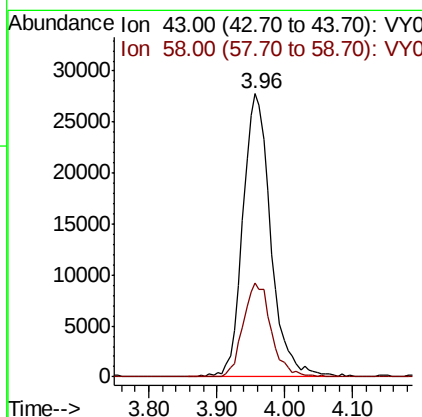
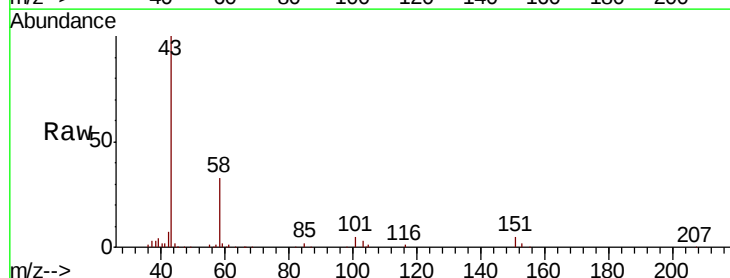
RT: 3.96 min Scan# 364

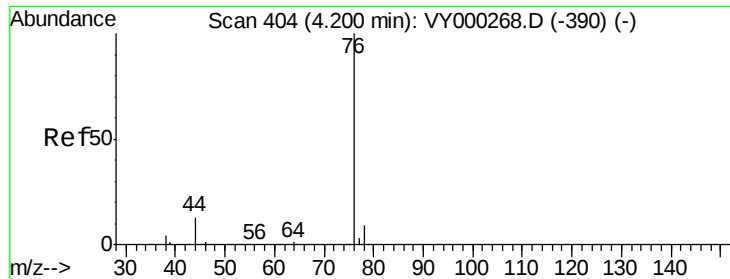
Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	43	Resp:	79287
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.6





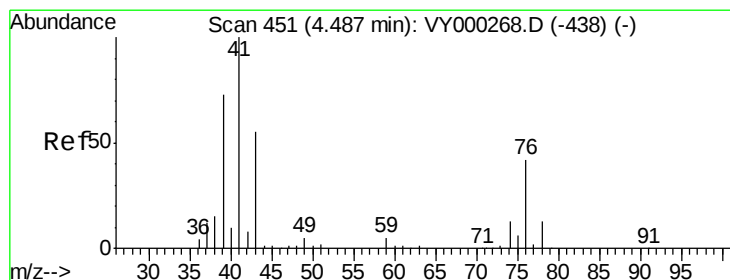
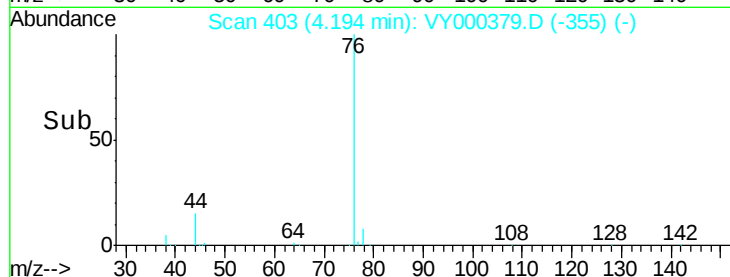
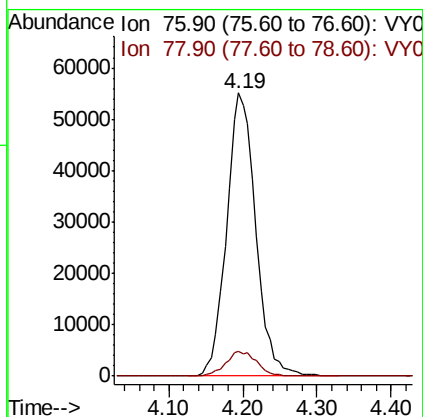
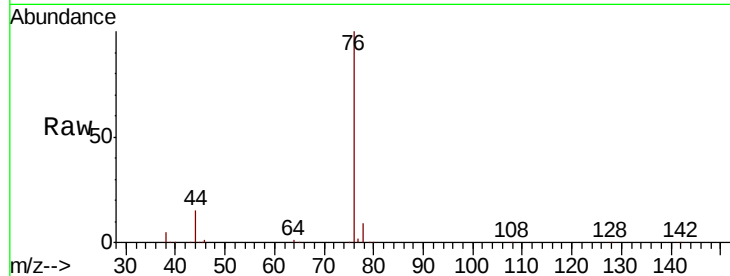
#17
Carbon Disulfide
Concen: 19.862 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	76	Resp	150526
Ion Ratio	Lower	Upper	
76	100		
78	8.7	7.0	10.4

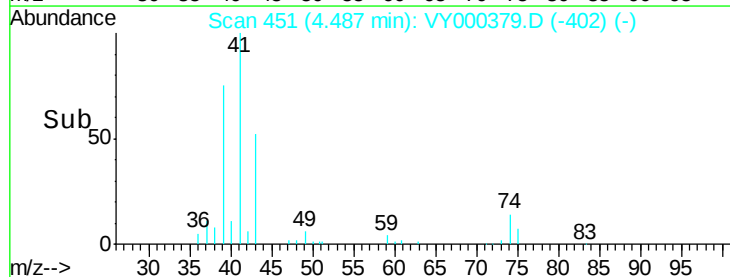
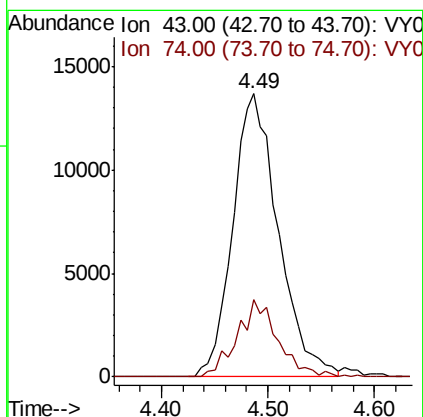
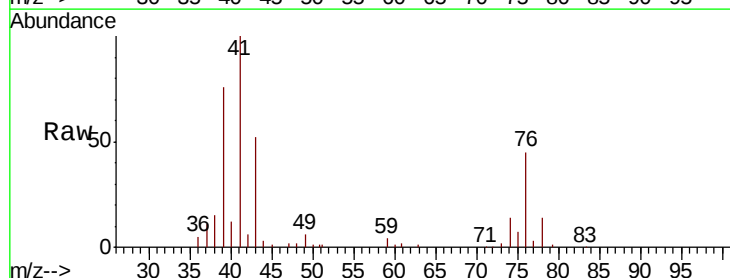
Manual Integrations
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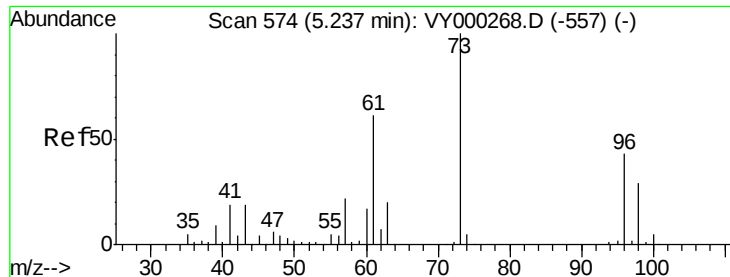
MMDadoda
10/24/2019 4:30:16 PM



#18
Methyl Acetate
Concen: 20.229 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	43	Resp	40919
Ion Ratio	Lower	Upper	
43	100		
74	24.3	20.4	30.6





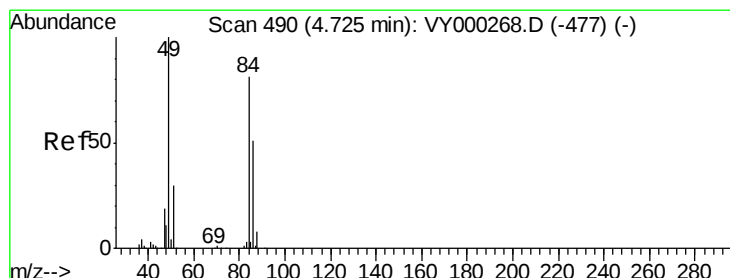
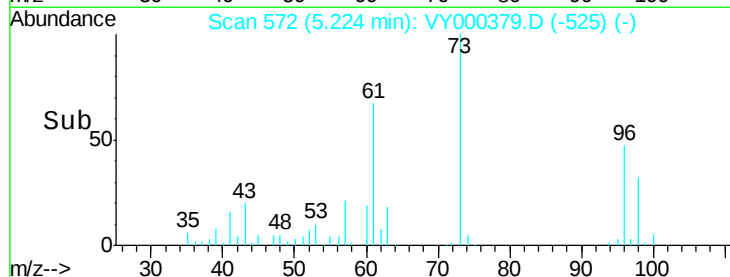
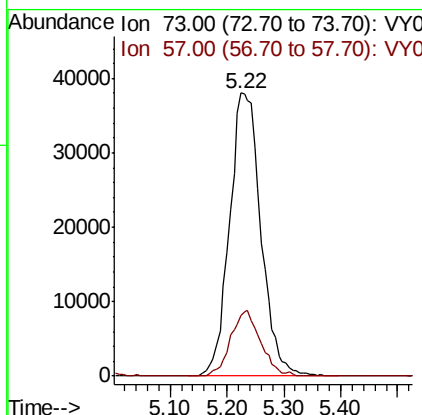
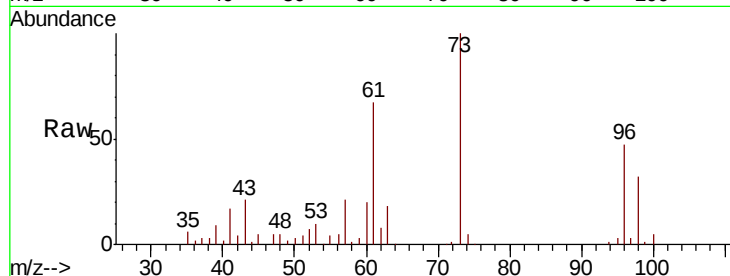
#19
Methyl tert-butyl Ether
Concen: 21.835 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion: 73 Resp: 146313
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0

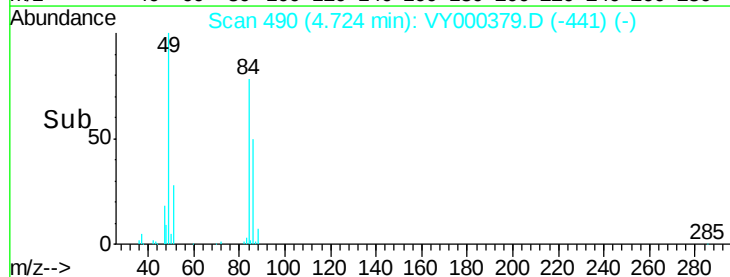
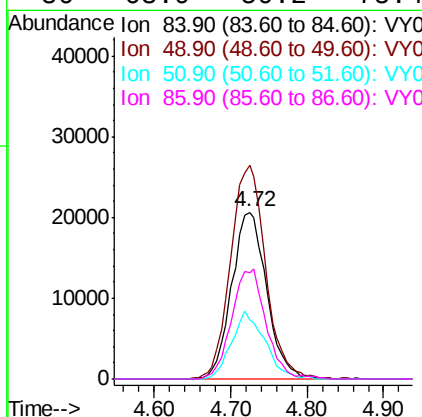
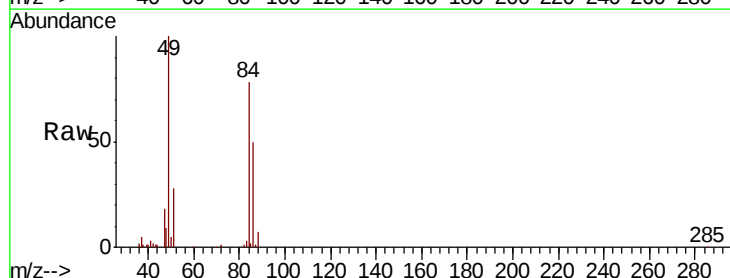
Manual Integrations
APPROVED

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#20
Methylene Chloride
Concen: 20.772 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion: 84 Resp: 65697
Ion Ratio Lower Upper
84 100
49 127.9 99.0 148.4
51 35.2 29.3 43.9
86 63.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.251 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 96 Resp: 58688

Ion Ratio Lower Upper

96 100

61 115.9 100.4 150.6

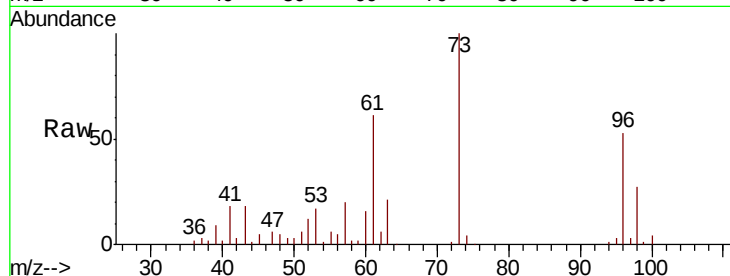
98 50.4 44.6 66.8

Manual Integrations

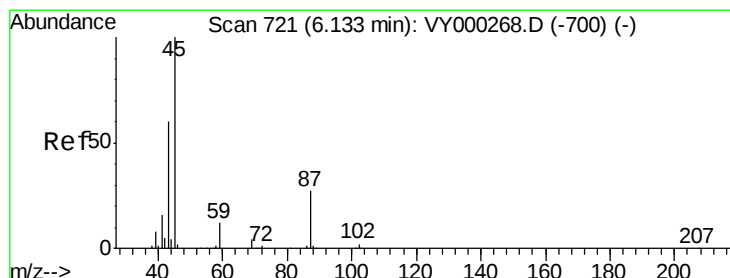
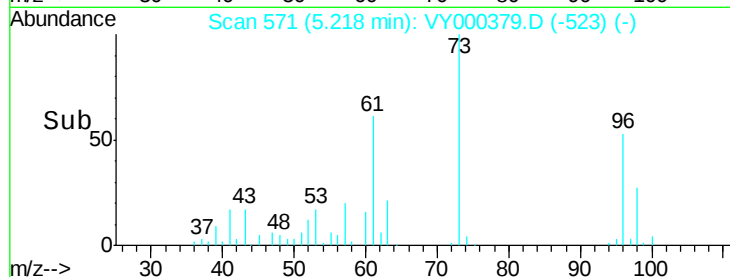
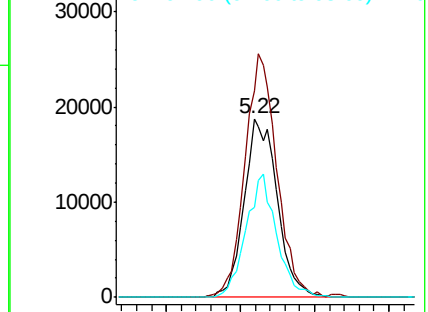
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.393 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion: 45 Resp: 180486

Ion Ratio Lower Upper

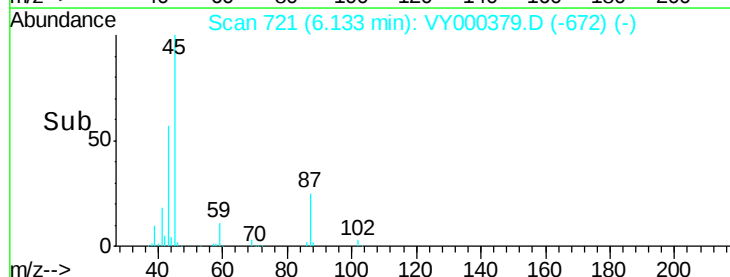
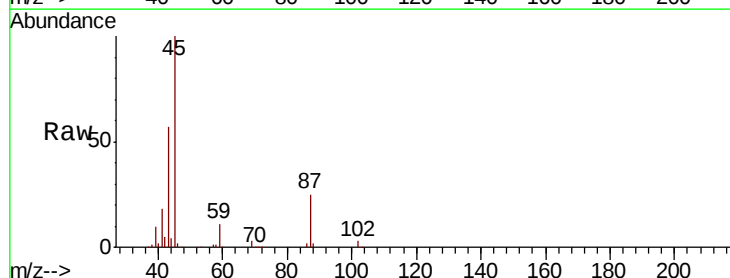
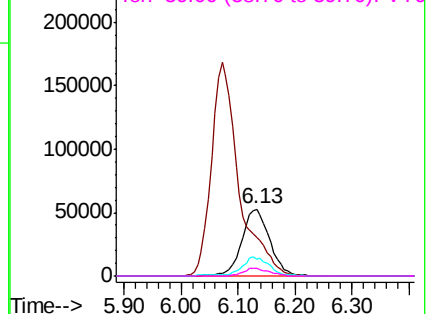
45 100

43 56.8 48.5 72.7

87 25.4 21.5 32.3

59 10.8 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: 103.088 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 43 Resp: 567391

Ion Ratio Lower Upper

43 100

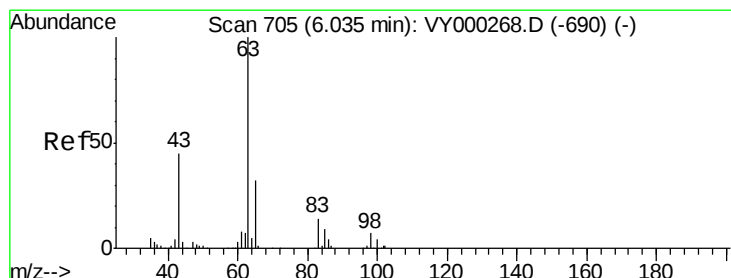
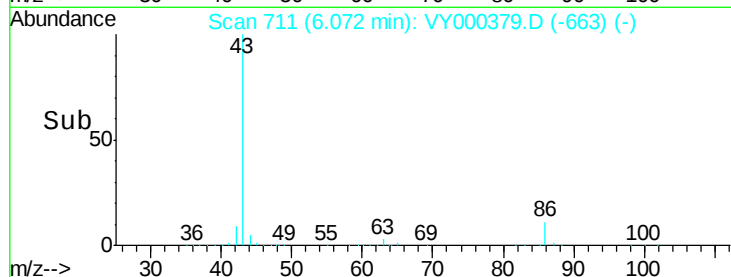
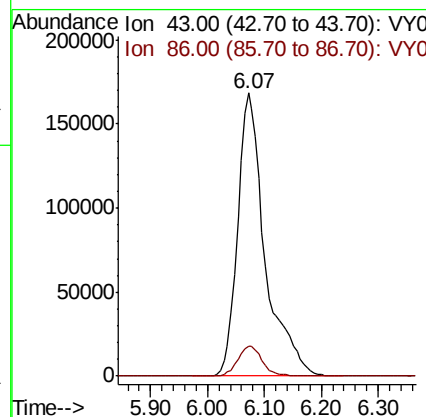
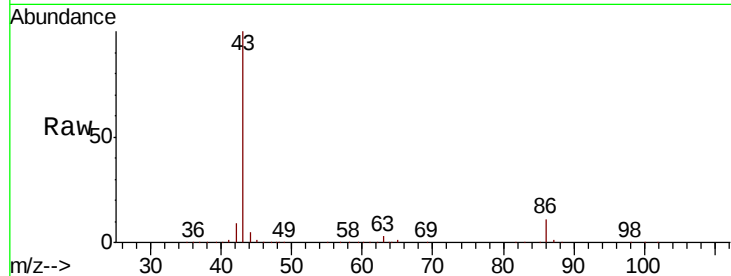
86 10.6 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.438 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

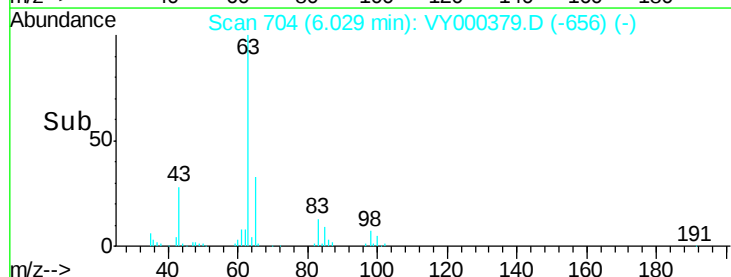
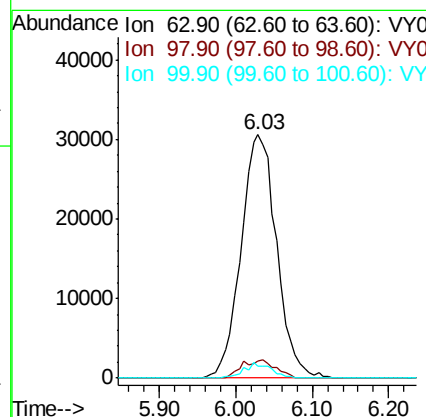
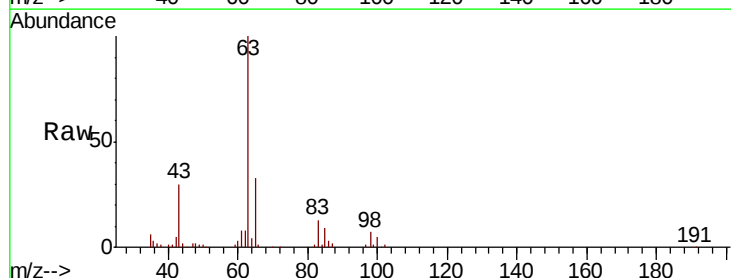
Tgt Ion: 63 Resp: 98724

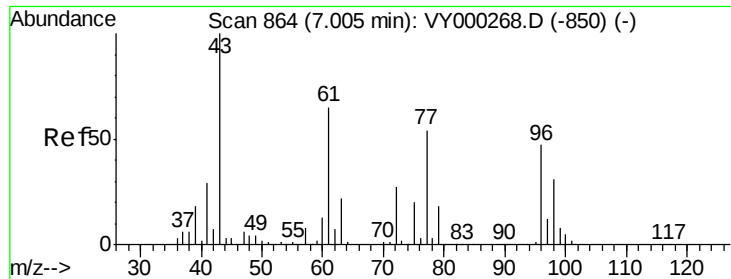
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 5.0 2.1 6.2





#25

2-Butanone

Concen: 102.470 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 43 Resp: 117519

Ion Ratio Lower Upper

43 100

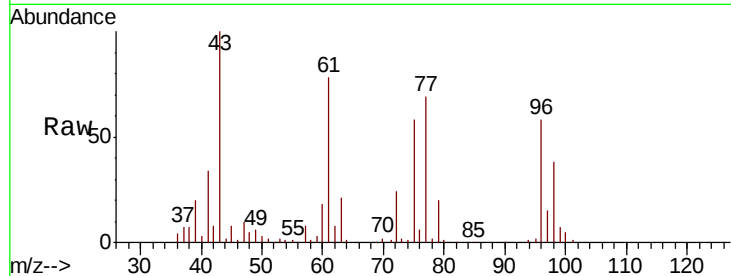
72 24.5 21.4 32.2

Manual Integrations

APPROVED

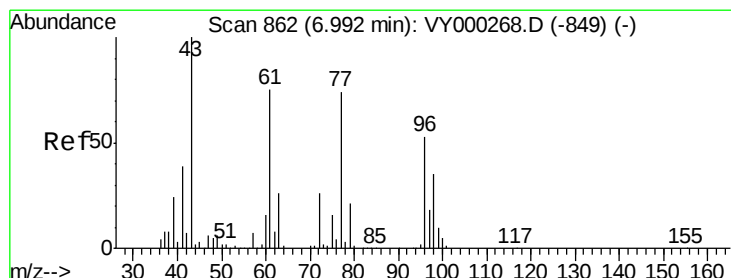
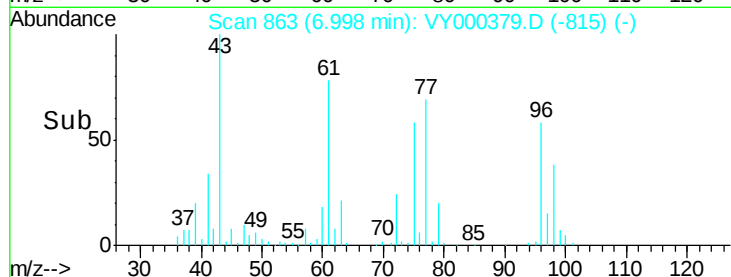
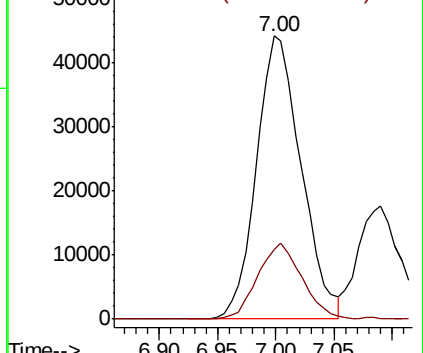
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 21.717 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000379.D

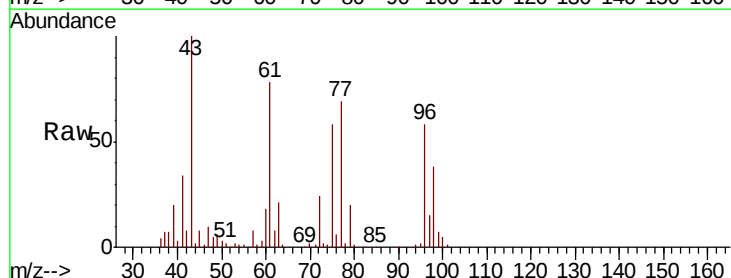
Acq: 23 Oct 2019 14:28

Tgt Ion: 77 Resp: 92152

Ion Ratio Lower Upper

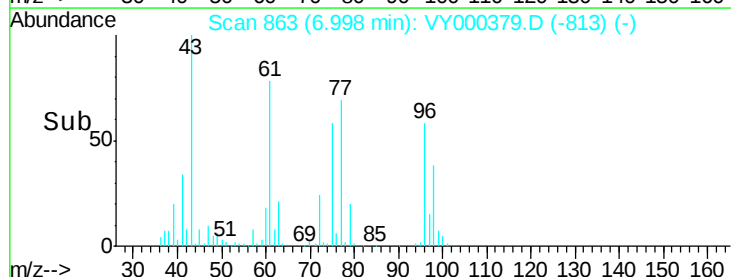
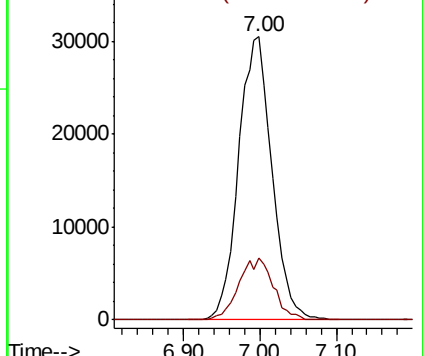
77 100

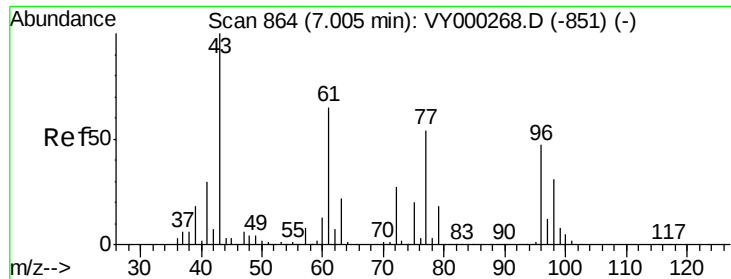
97 22.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

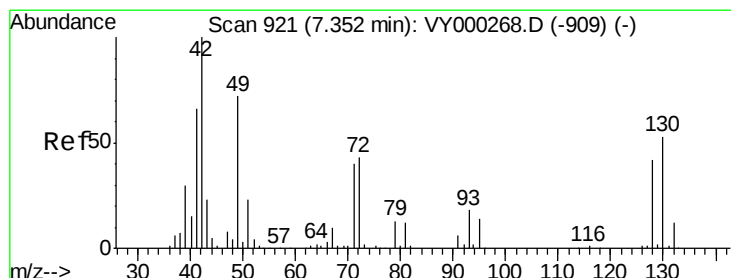
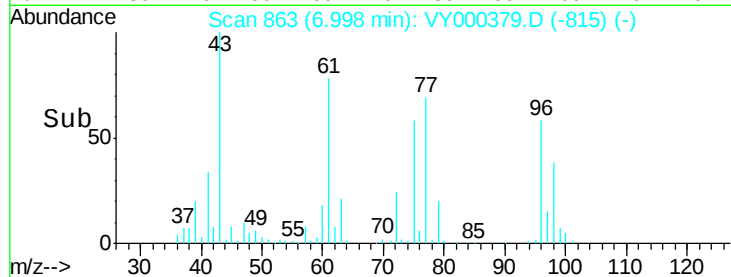
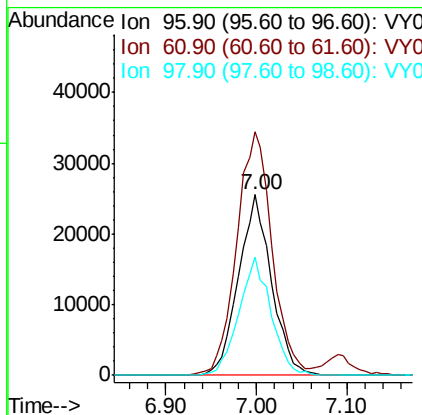
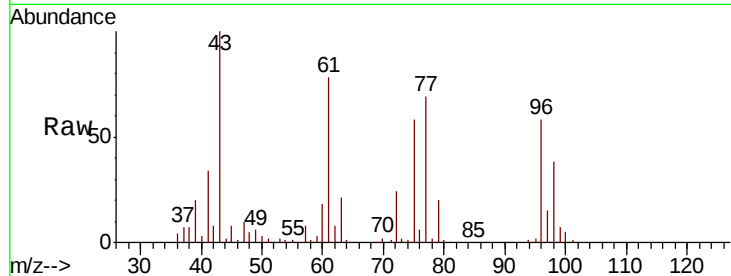
cis-1,2-Dichloroethene
Concen: 21.526 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	289.8
98	63.9	0.0	131.8

Manual Integrations
APPROVED

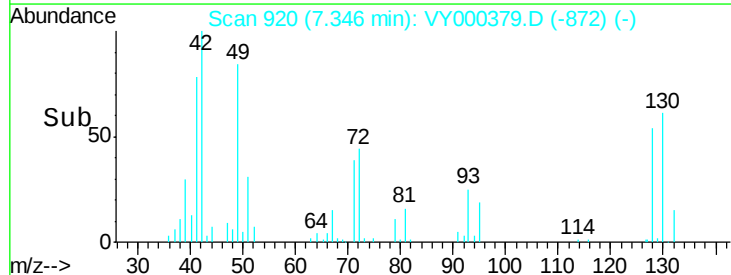
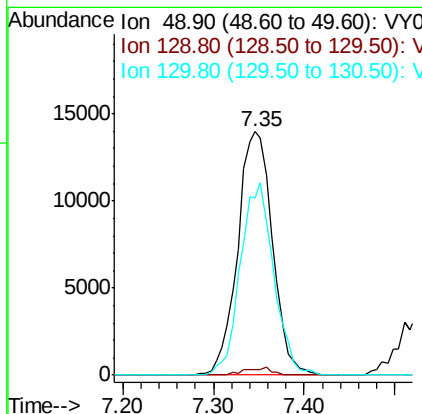
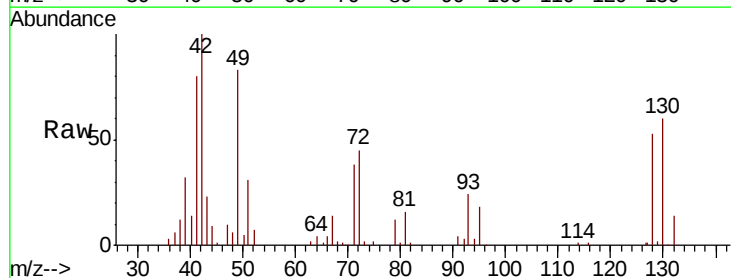
MMDadoda
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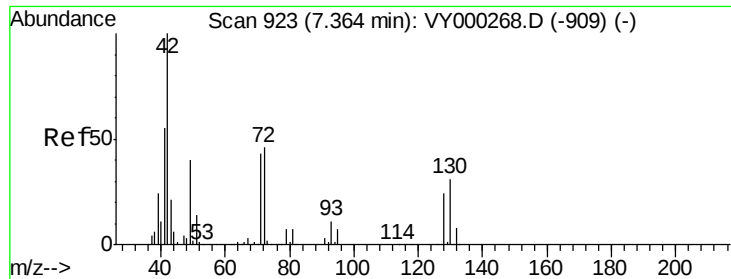


#28

Bromochloromethane
Concen: 18.764 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	75.7	58.2	87.2





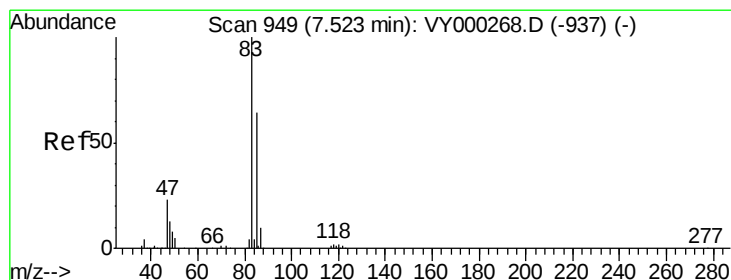
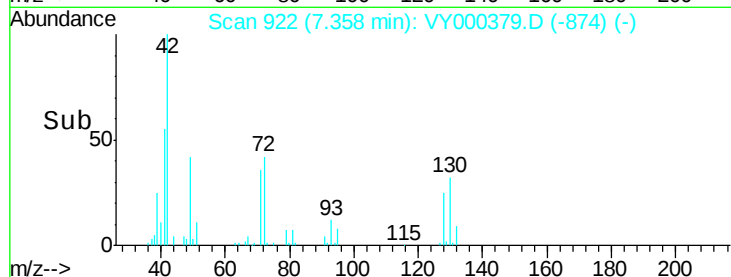
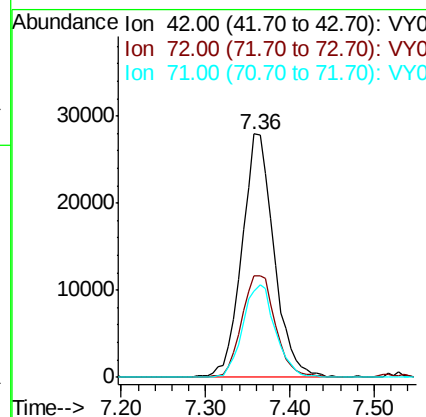
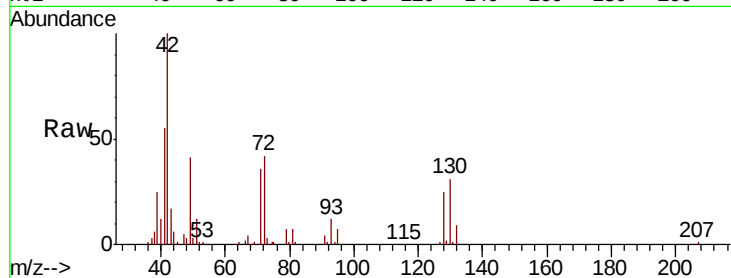
#29
Tetrahydrofuran
Concen: 103.181 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.5	51.7
71	38.6	32.7	49.1

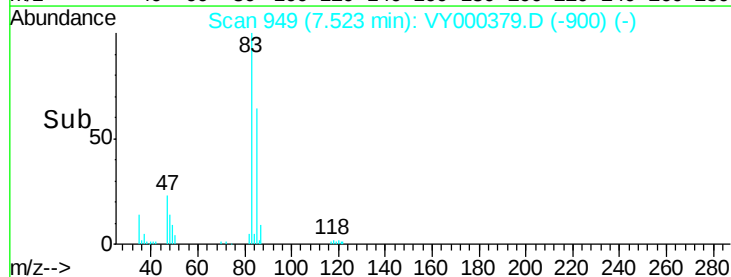
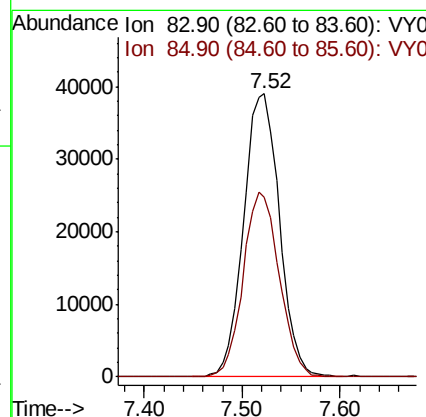
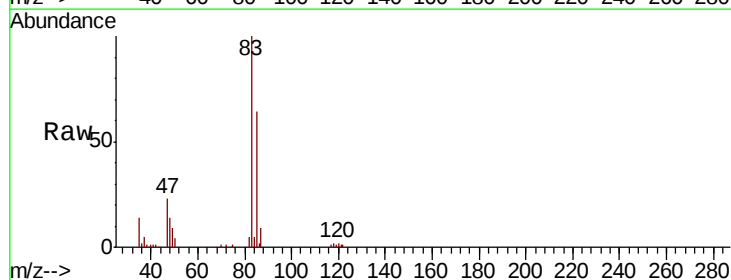
Manual Integrations
APPROVED

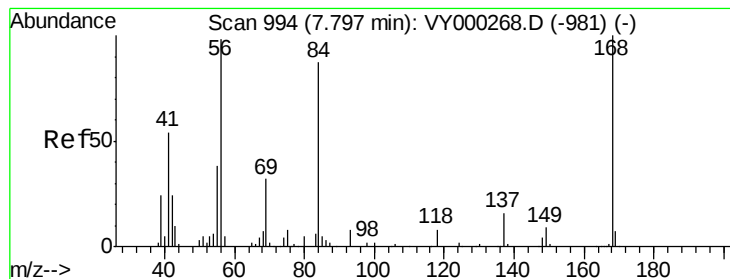
MMDadoda
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#30
Chloroform
Concen: 21.435 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





#31

Cyclohexane

Concen: 20.798 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

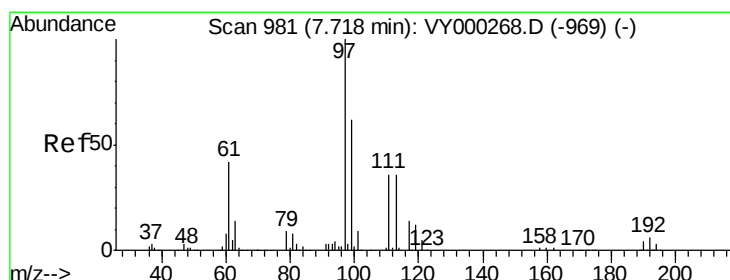
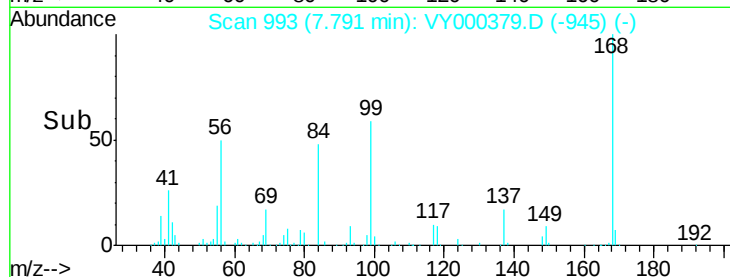
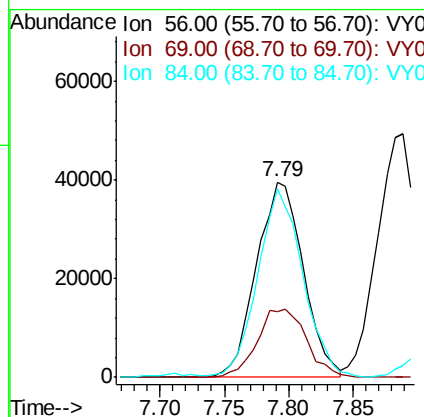
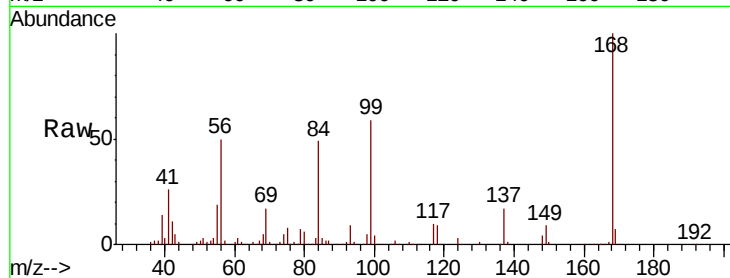
ClientSampleId :

VY1023SBS01

Tot Ion:	56	Resp:	100035
Ion Ratio	Lower	Upper	
56	100		
69	33.4	26.3	39.5
84	94.8	70.8	106.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 21.948 ug/l

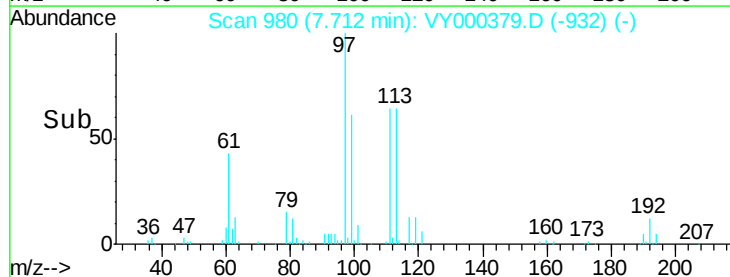
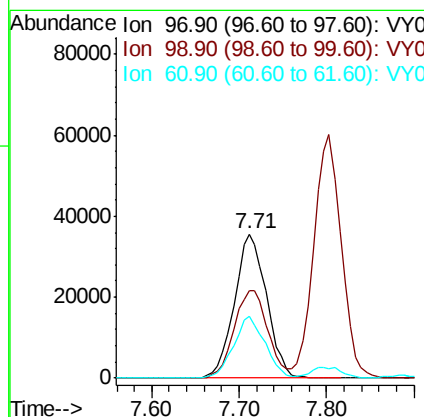
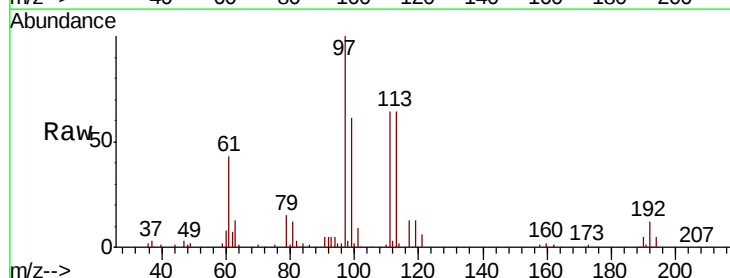
RT: 7.71 min Scan# 980

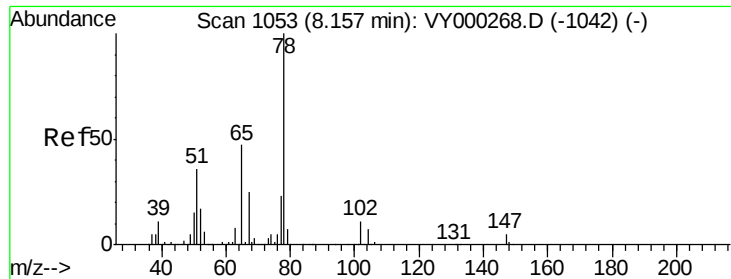
Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	97	Resp:	90493
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	42.1	34.5	51.7





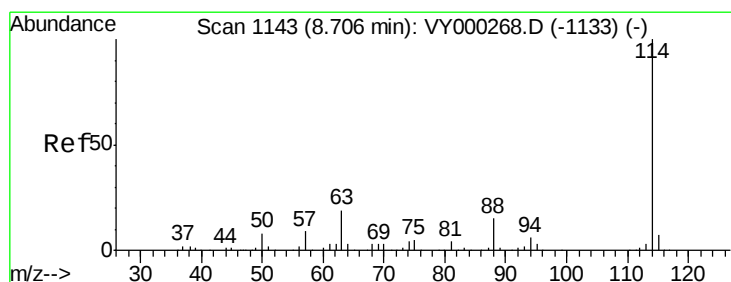
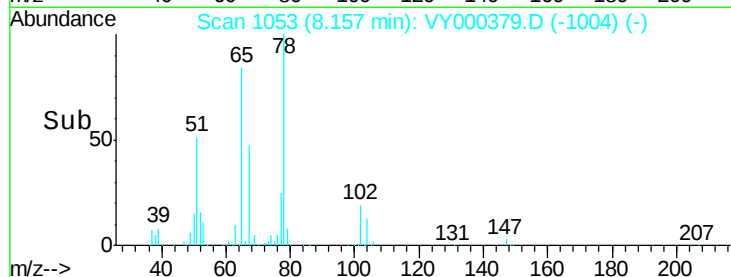
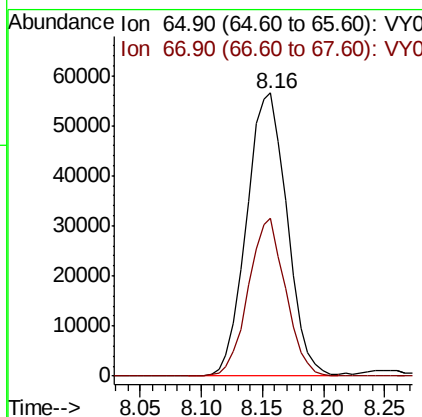
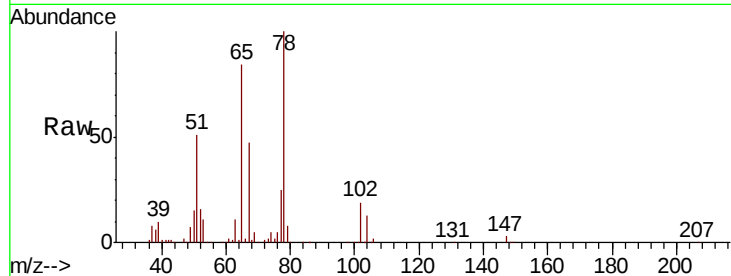
#33
 1,2-Dichloroethane-d4
 Concen: 51.736 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

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

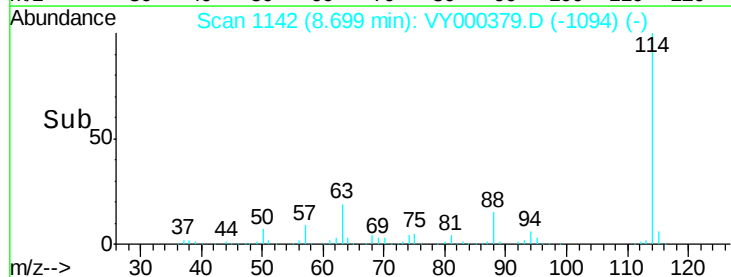
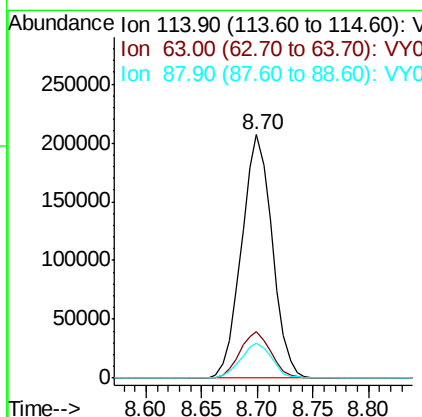
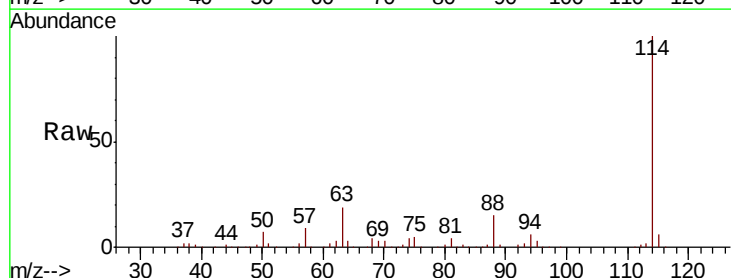
Manual Integrations
 APPROVED

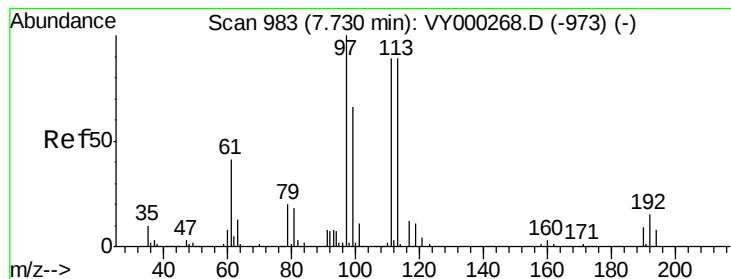
MMDadoda
 10/24/2019 4:30:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	37.2	
88	14.6	0.0	30.2	





#35

Dibromofluoromethane

Concen: 46.879 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

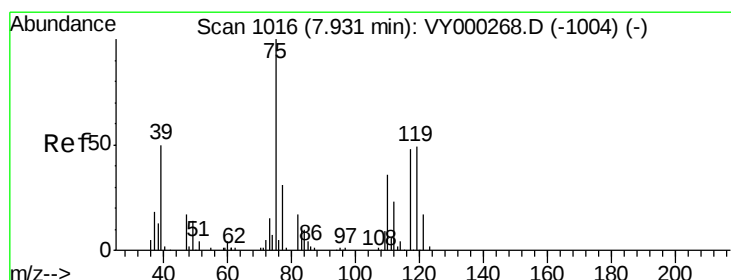
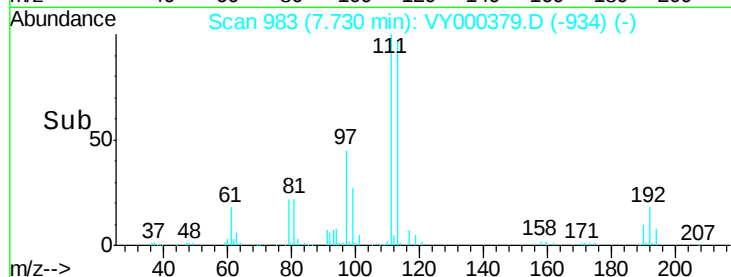
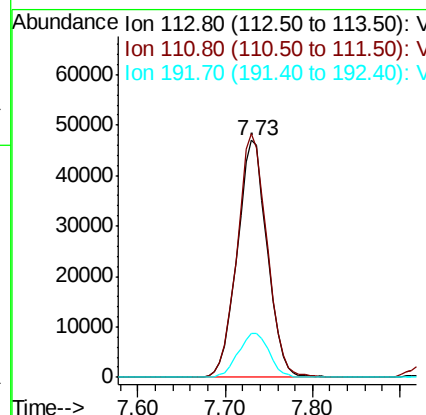
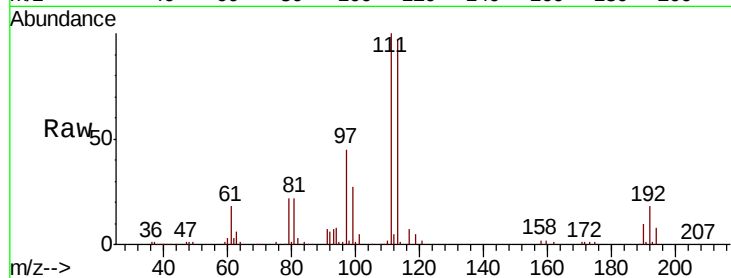
ClientSampleId :

VY1023SBS01

Tot Ion:	113	Resp:	111943
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.6	122.4
192	19.1	15.3	22.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.480 ug/l

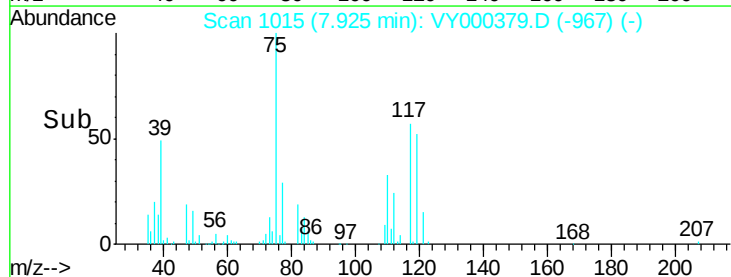
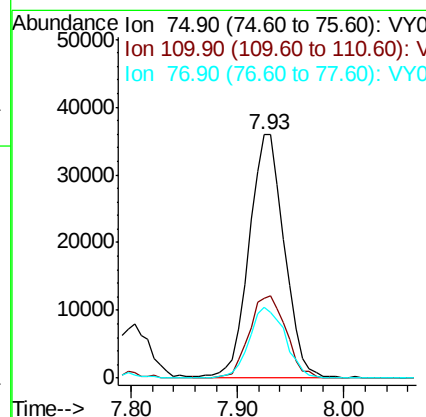
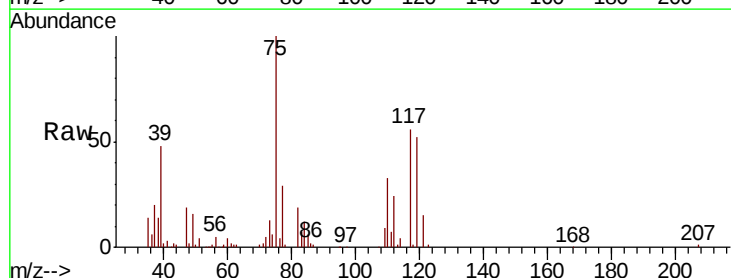
RT: 7.93 min Scan# 1015

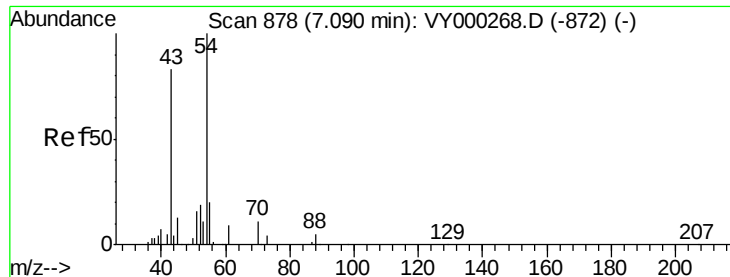
Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	75	Resp:	83252
Ion Ratio	Lower	Upper	
75	100		
110	35.5	18.4	55.4
77	29.9	25.0	37.6





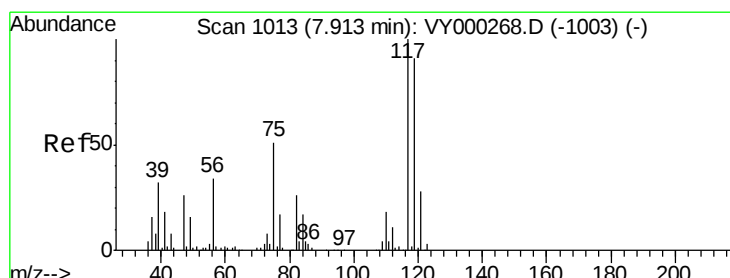
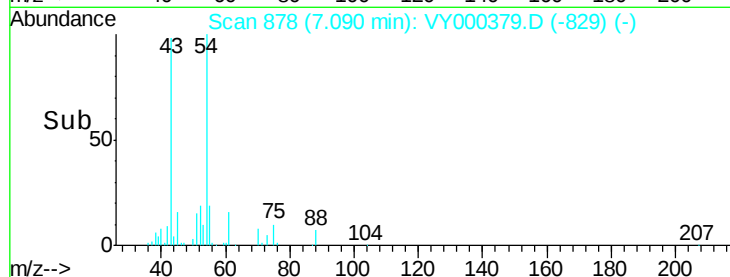
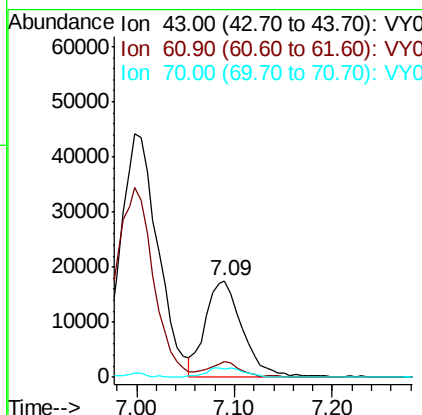
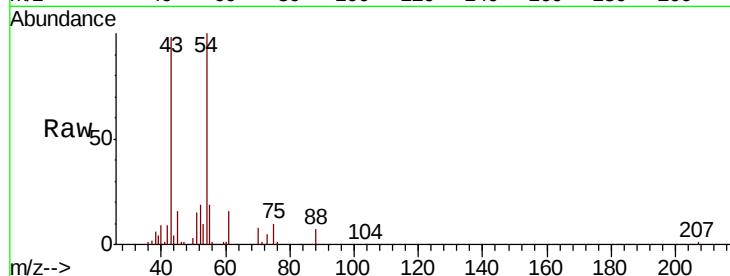
#37
Ethyl Acetate
Concen: 20.163 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.1	8.7	13.1

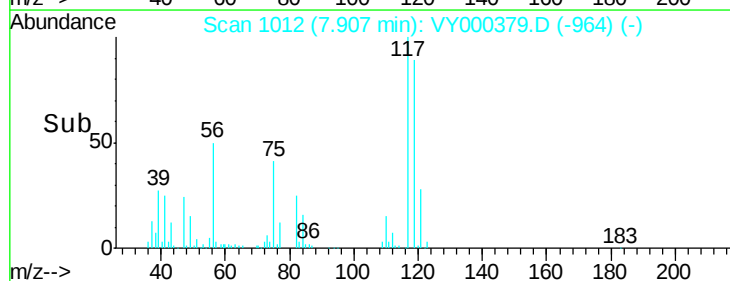
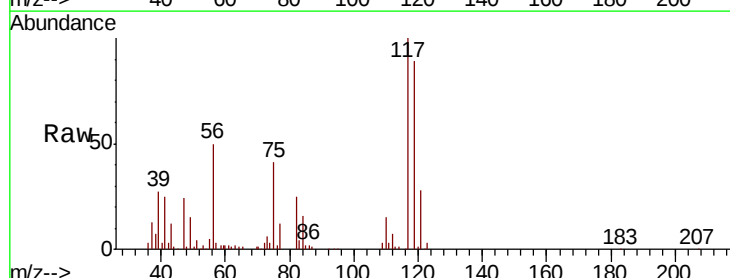
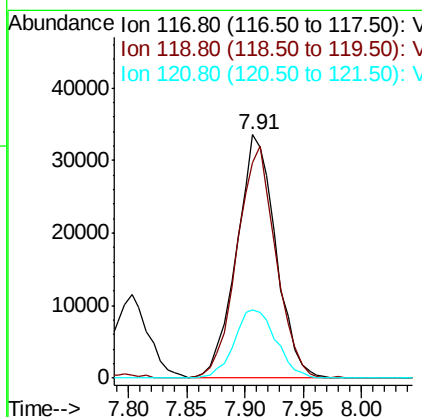
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.972 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	72.8	109.2
121	28.0	22.2	33.2





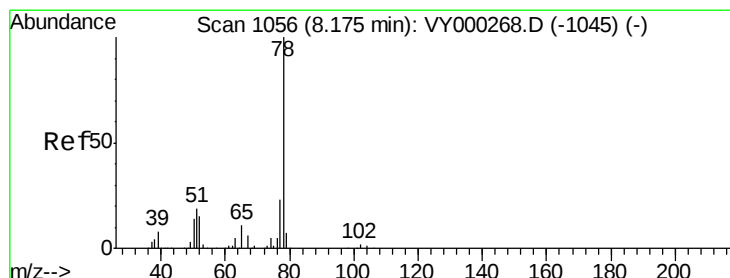
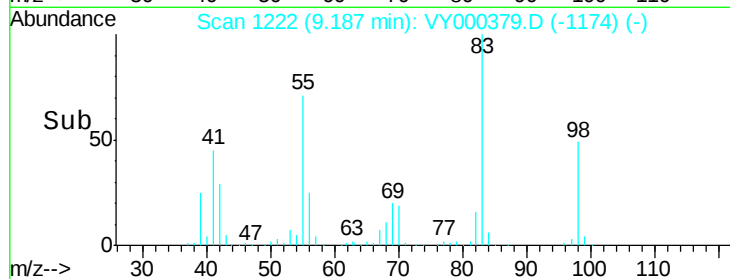
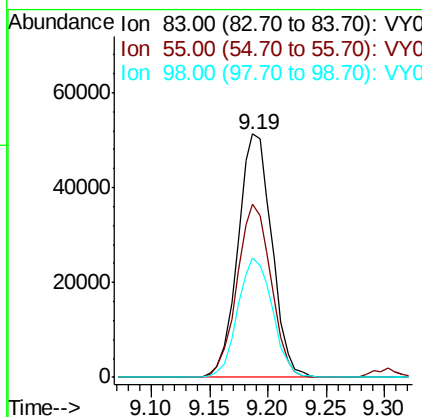
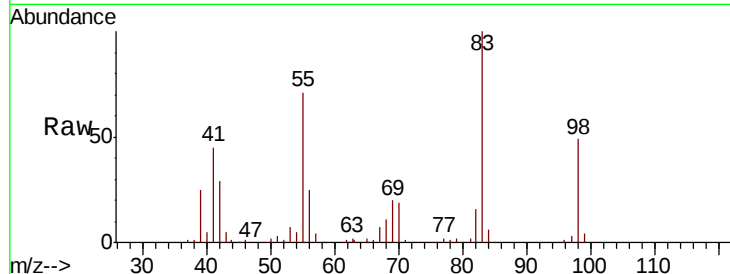
#39
Methvlcvclohexane
Concen: 20.573 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	60.9	91.3
98	49.2	41.8	62.6

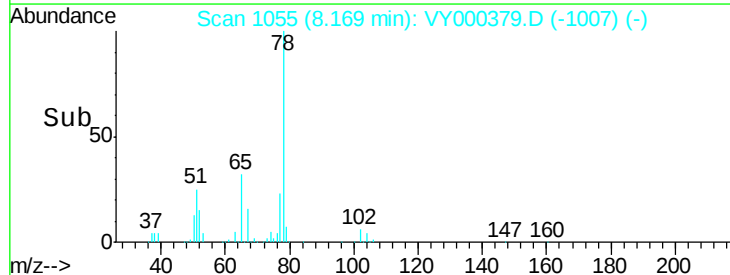
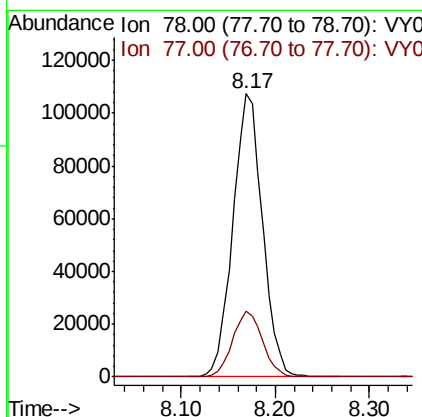
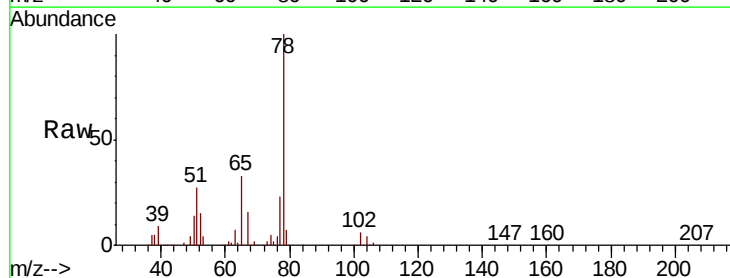
Manual Integrations
APPROVED

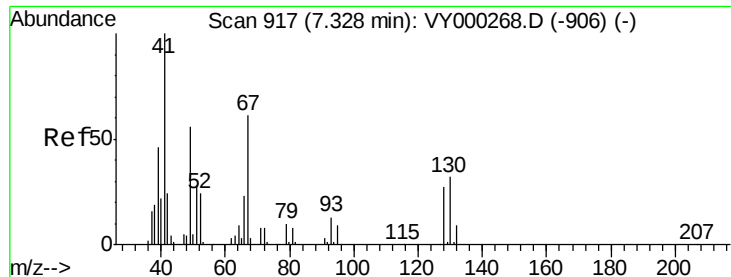
MMDadoda
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#40
Benzene
Concen: 20.942 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





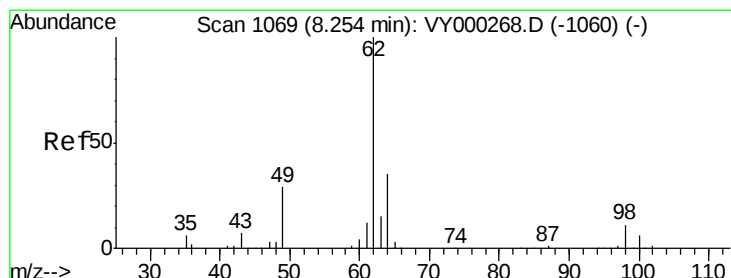
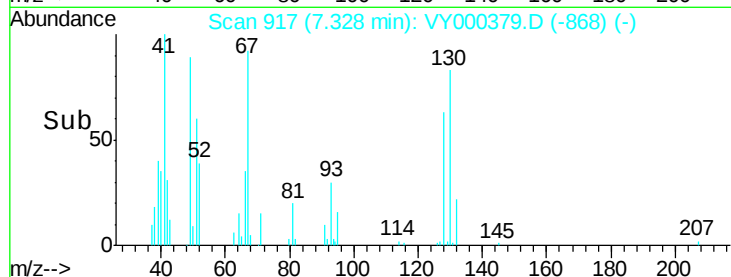
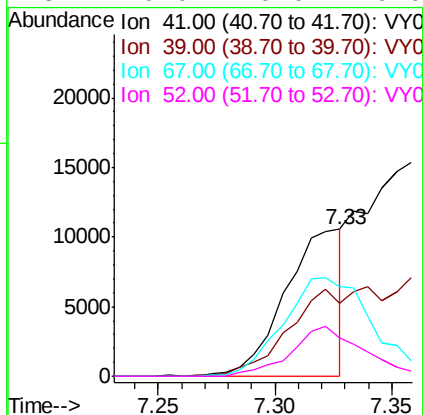
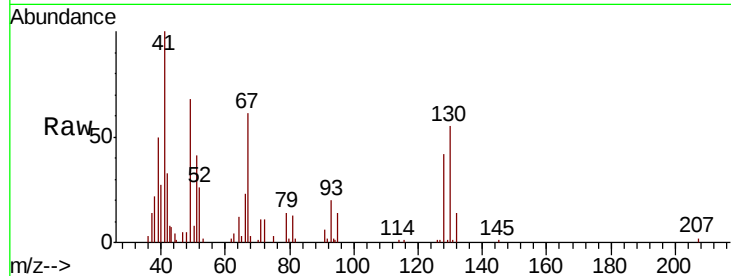
#41
Methacrylonitrile
Concen: 16.775 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

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

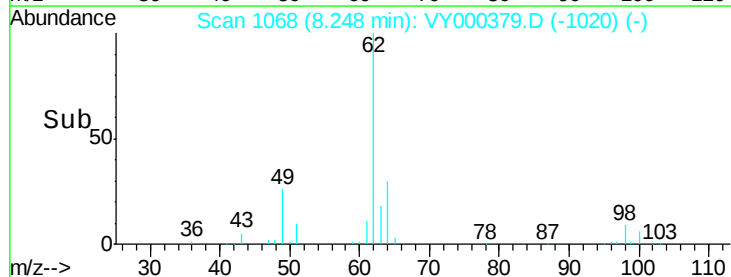
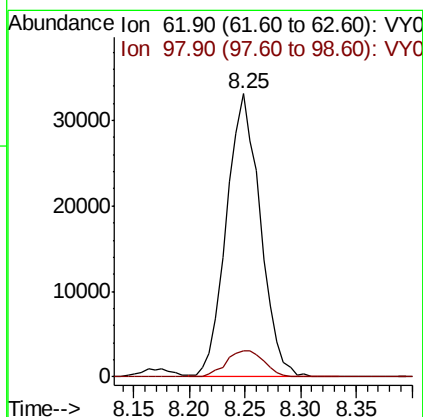
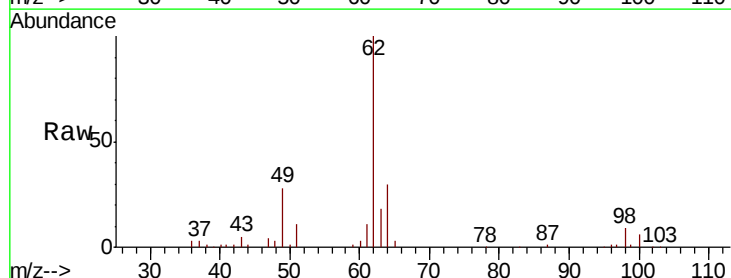
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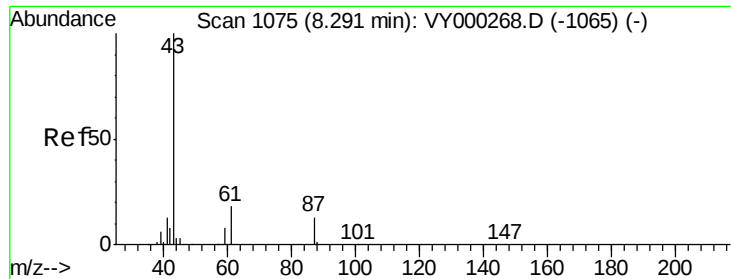
MMDadoda
10/24/2019 4:30:16 PM



#42
1,2-Dichloroethane
Concen: 21.835 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





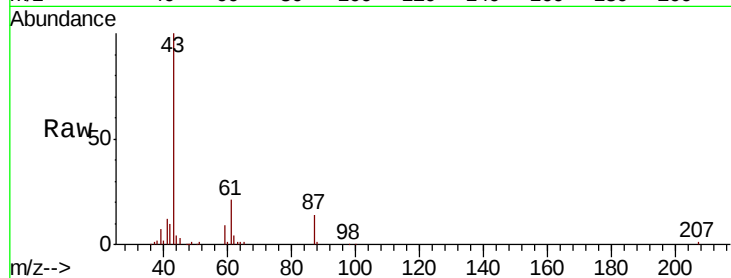
#43
Isopropyl Acetate
Concen: 20.248 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

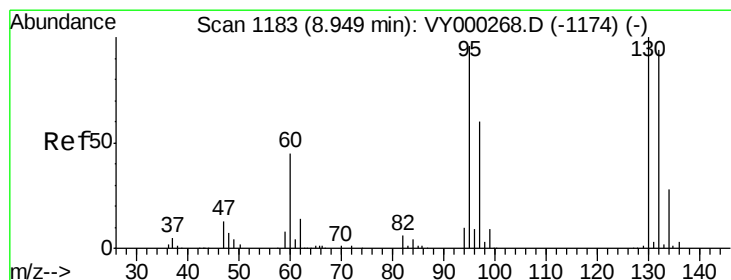
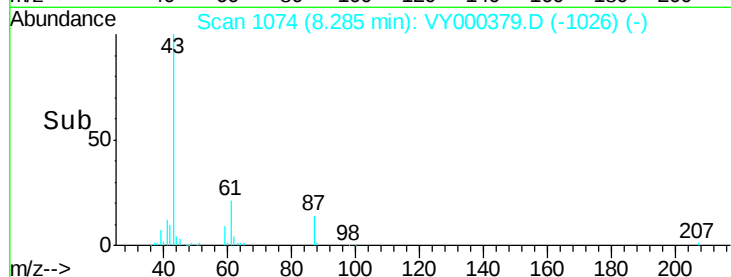
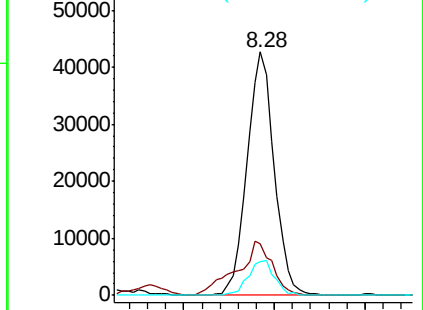
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.3	33.5
87	14.1	10.9	16.3

Manual Integrations
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MMDadoda
10/24/2019 4:30:16 PM

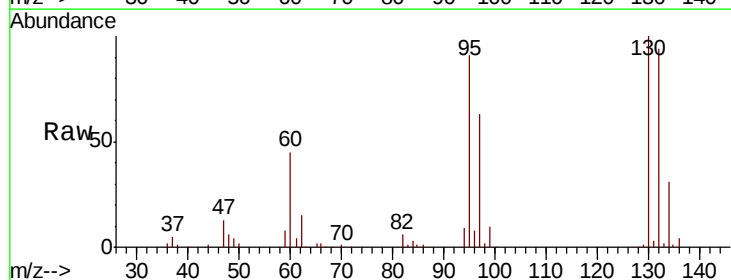


Abundance Ion 43.00 (42.70 to 43.70): VY000379.D (-1074) (-)
Ion 61.00 (60.70 to 61.70): VY000379.D (-1074) (-)
Ion 87.00 (86.70 to 87.70): VY000379.D (-1074) (-)

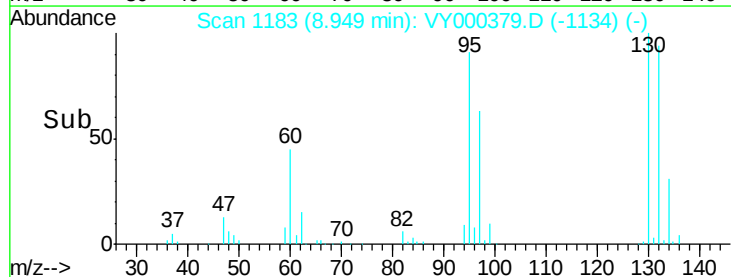
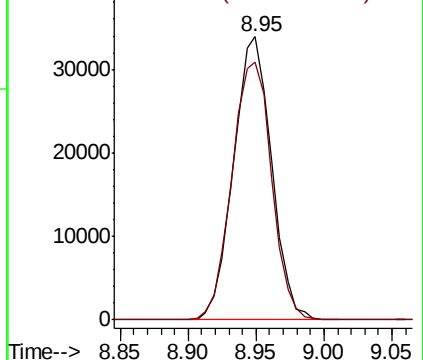


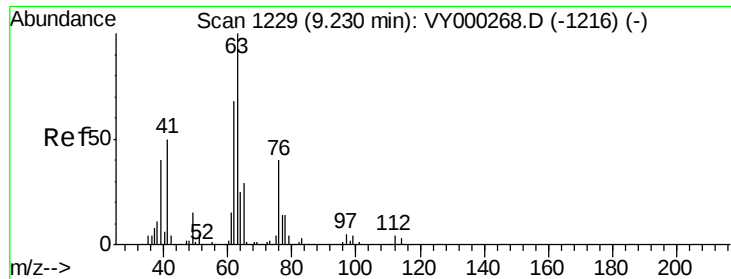
#44
Trichloroethene
Concen: 21.069 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VY000379.D (-1183) (-)
Ion 94.90 (94.60 to 95.60): VY000379.D (-1183) (-)





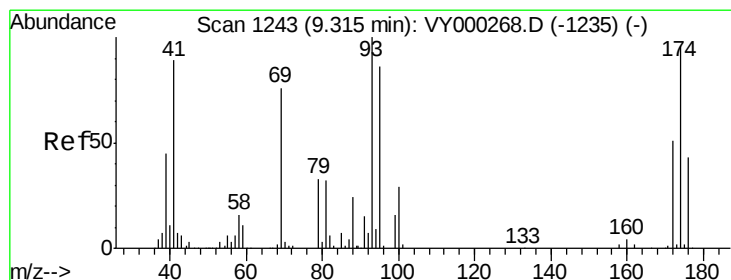
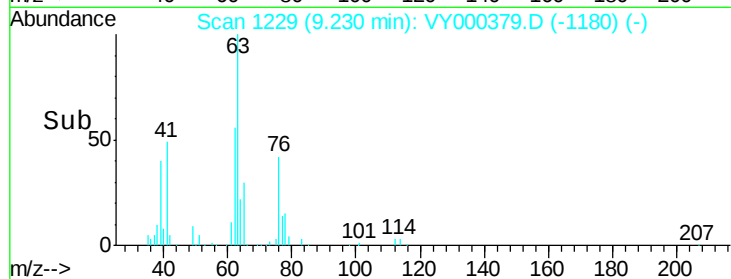
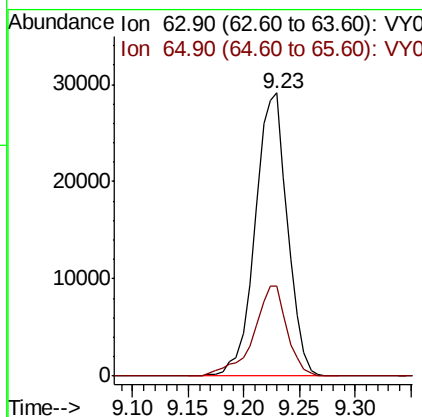
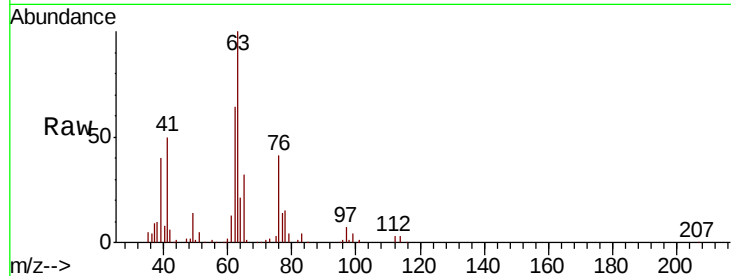
#45
 1,2-Dichloropropane
 Concen: 21.424 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion: 63 Resp: 58889
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.2 34.8

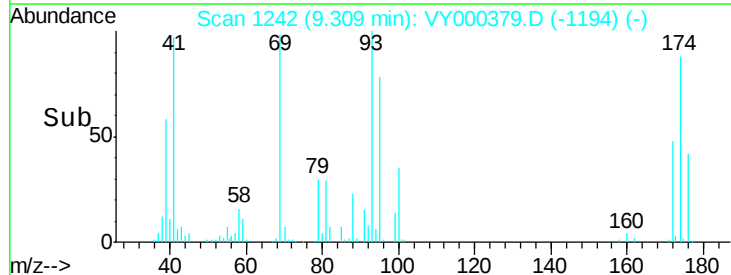
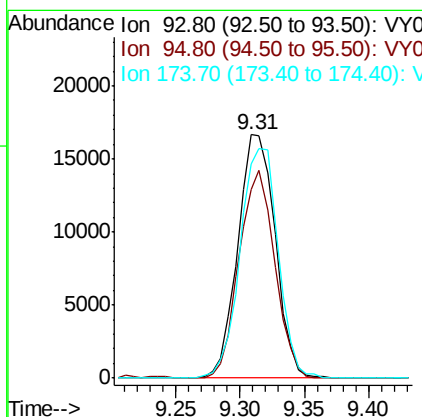
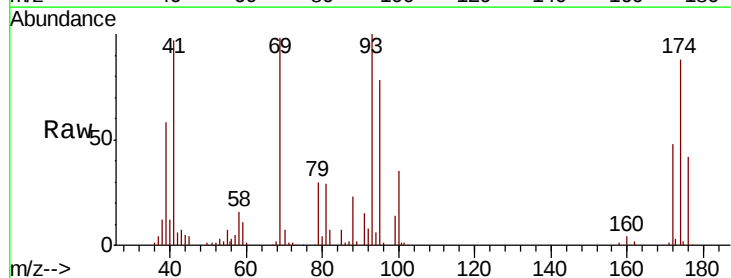
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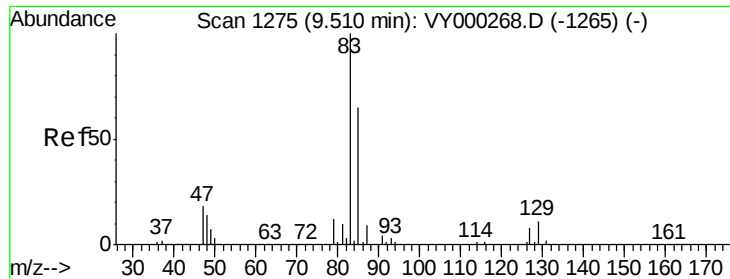
MMDadoda
 10/24/2019 4:30:16 PM



#46
 Dibromomethane
 Concen: 21.788 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion: 93 Resp: 33479
 Ion Ratio Lower Upper
 93 100
 95 81.7 68.2 102.2
 174 95.5 79.8 119.6





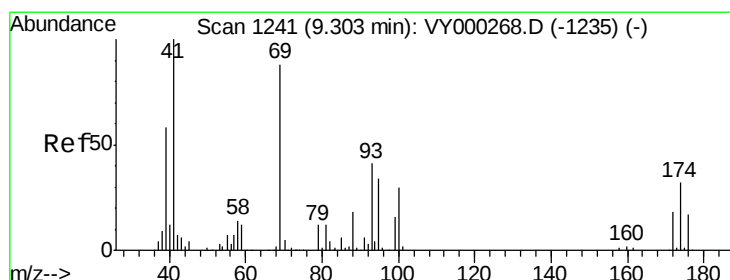
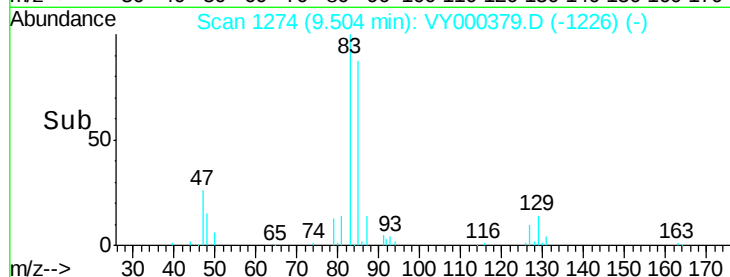
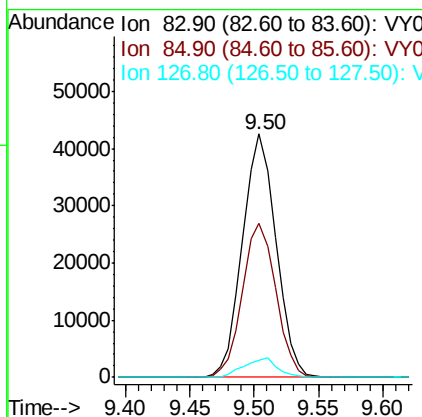
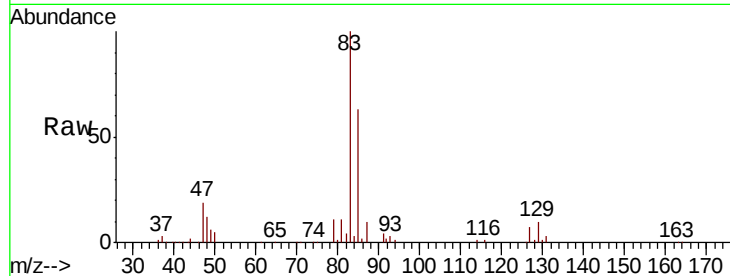
#47
Bromodichloromethane
Concen: 21.230 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	83	Resp	76877
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	52.2	78.2
127	6.9	6.3	9.5

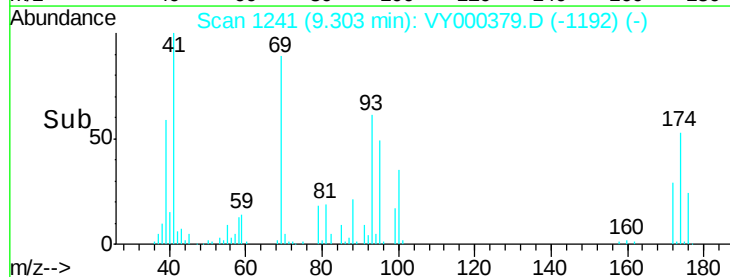
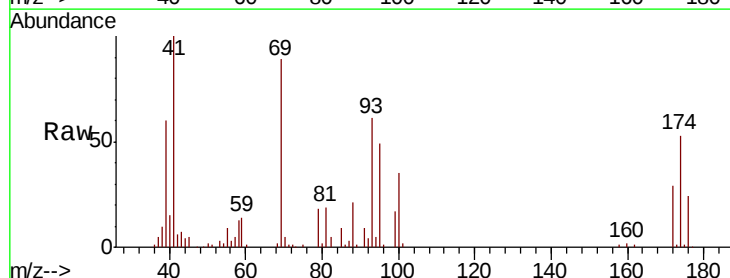
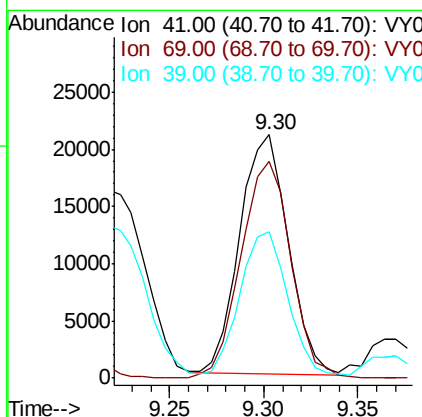
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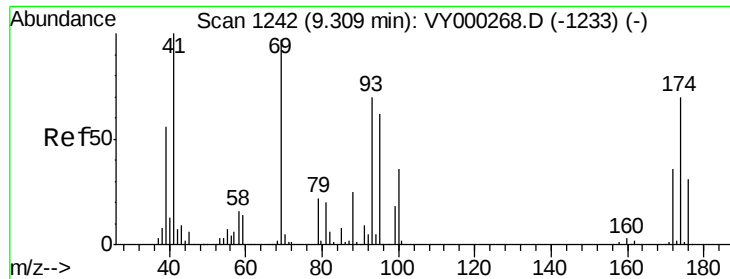
MMDadoda
10/24/2019 4:30:16 PM



#48
Methyl methacrylate
Concen: 19.536 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	41	Resp	37361
Ion Ratio	100	Lower	Upper
41	100		
69	93.2	70.0	105.0
39	61.9	47.7	71.5





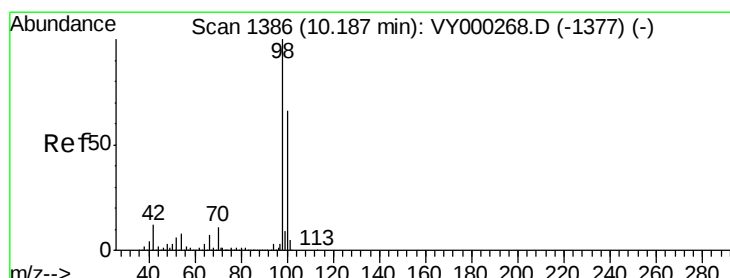
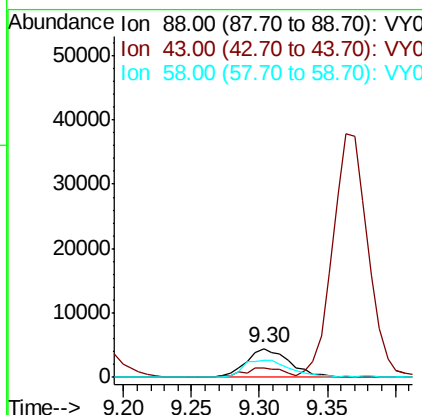
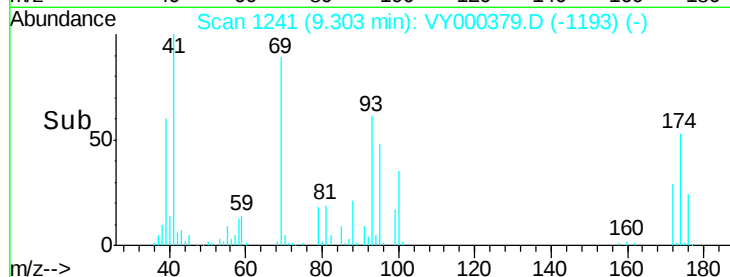
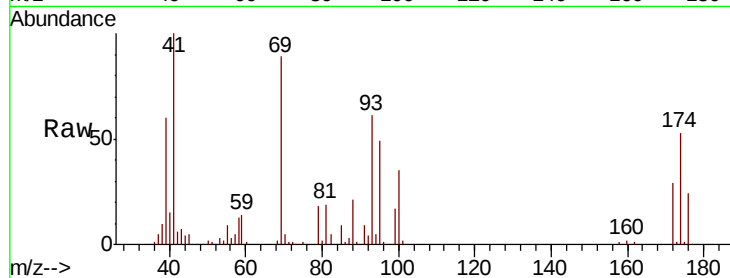
#49
1,4-Dioxane
Concen: 433.833 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	88	Resp	9995
Ion Ratio	100	Lower	Upper
88	100		
43	31.4	25.6	38.4
58	66.9	54.6	81.8

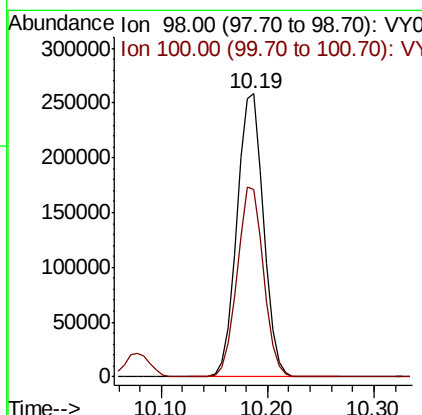
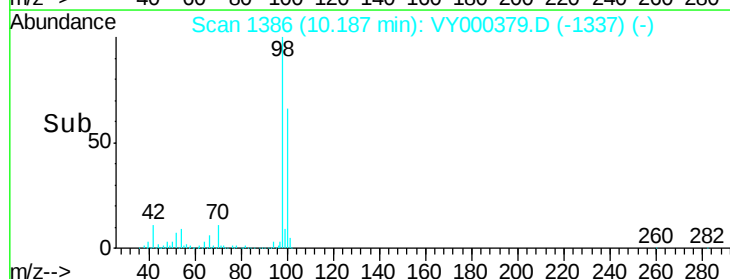
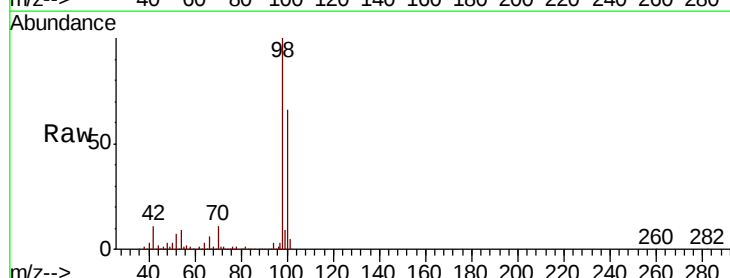
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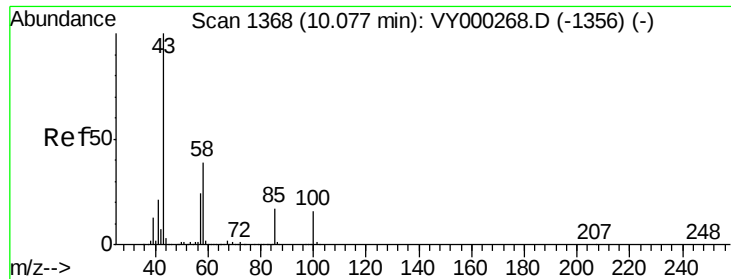
MMDadoda
10/24/2019 4:30:16 PM



#50
Toluene-d8
Concen: 49.351 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	98	Resp	453326
Ion Ratio	100	Lower	Upper
98	100		
100	66.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 105.696 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 43 Resp: 237884

Ion Ratio Lower Upper

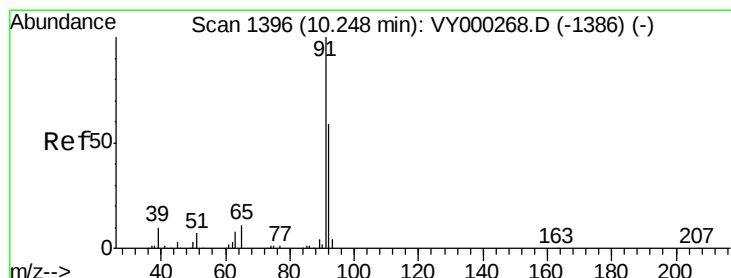
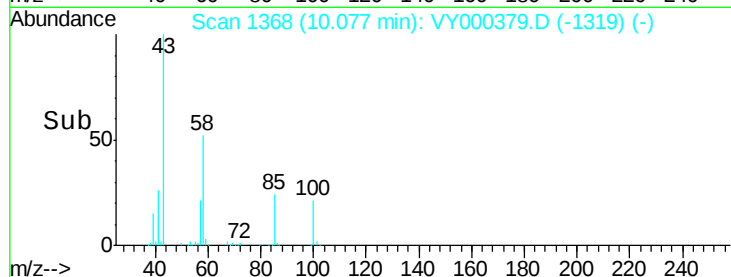
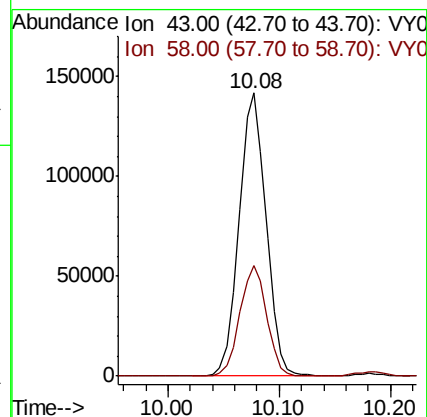
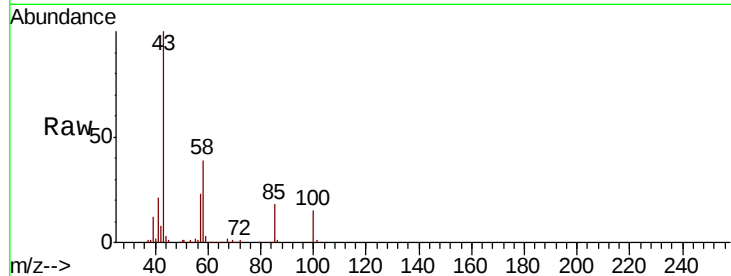
43 100

58 38.6 31.0 46.6

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#52

Toluene

Concen: 20.929 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000379.D

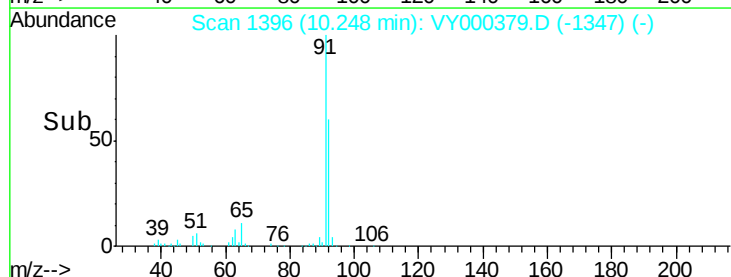
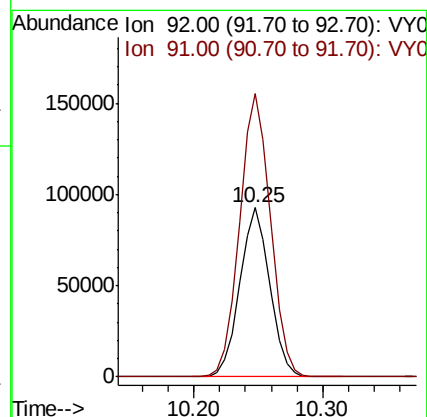
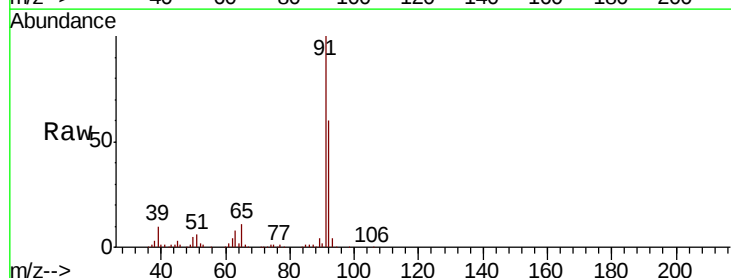
Acq: 23 Oct 2019 14:28

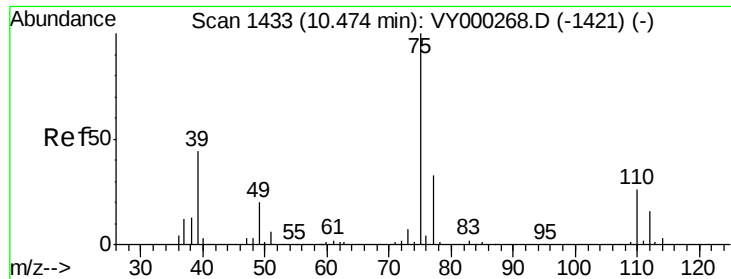
Tgt Ion: 92 Resp: 148828

Ion Ratio Lower Upper

92 100

91 172.6 136.6 205.0





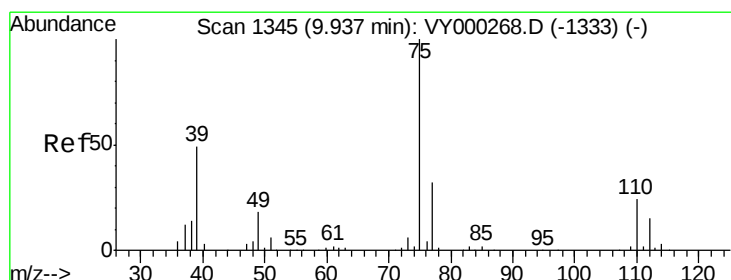
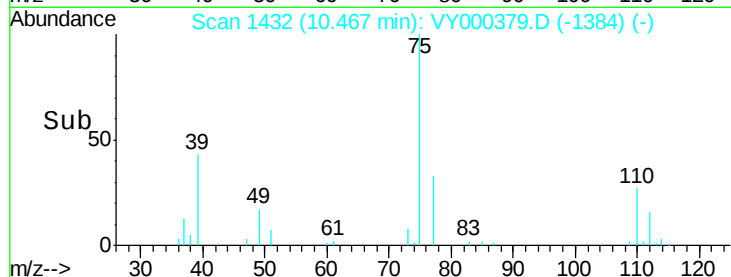
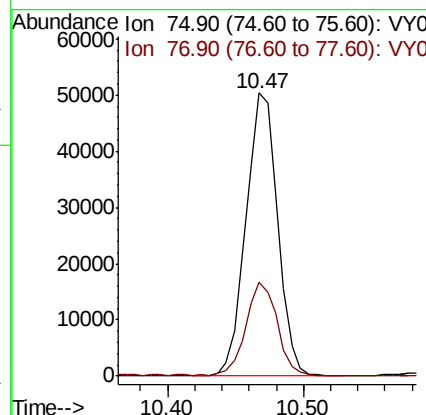
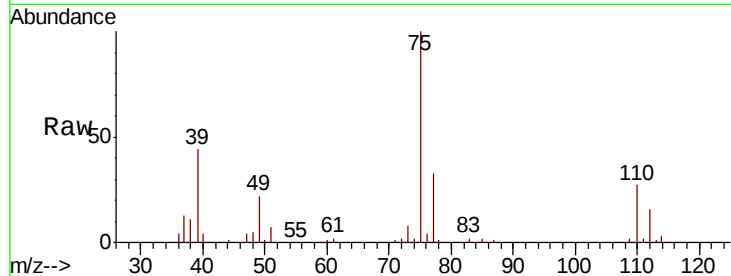
#53
t-1,3-Dichloropropene
Concen: 21.167 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion: 75 Resp: 82147
Ion Ratio Lower Upper
75 100
77 33.1 26.0 39.0

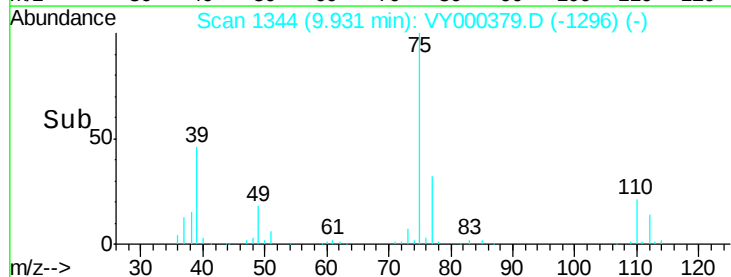
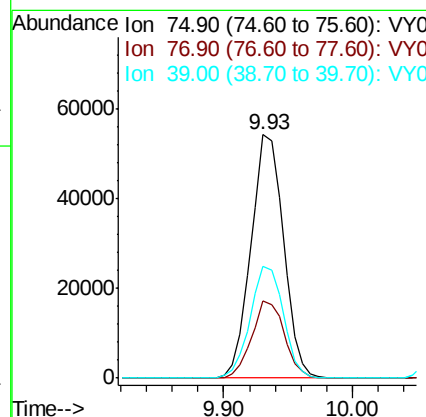
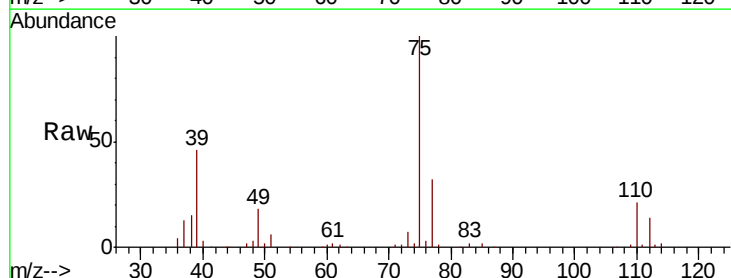
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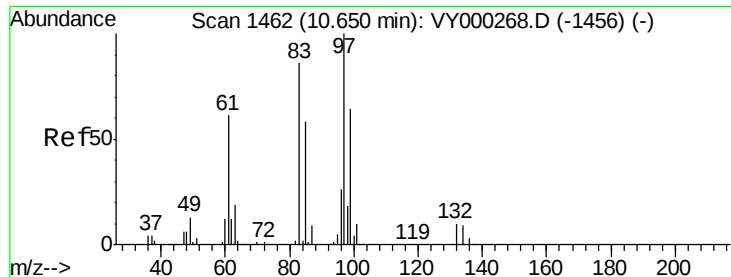
MMDadoda
10/24/2019 4:30:16 PM



#54
cis-1,3-Dichloropropene
Concen: 21.455 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion: 75 Resp: 94560
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0
39 45.7 38.8 58.2





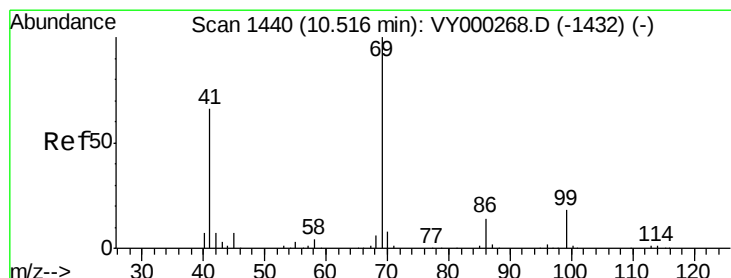
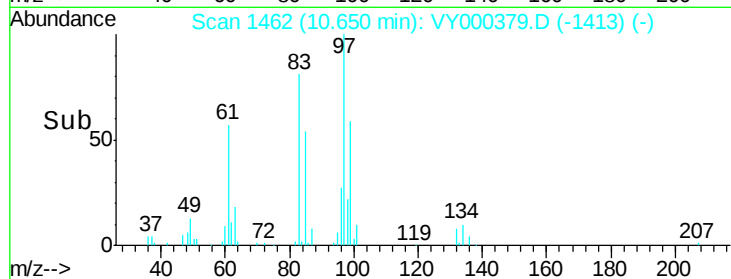
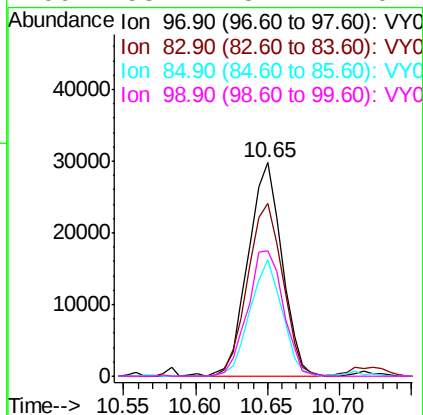
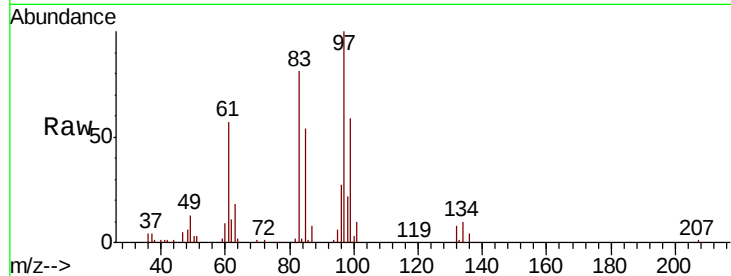
#55
 1,1,2-Trichloroethane
 Concen: 21.570 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion:	97	Resp:	48189
Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.0	103.6
85	54.4	46.2	69.4
99	58.7	51.1	76.7

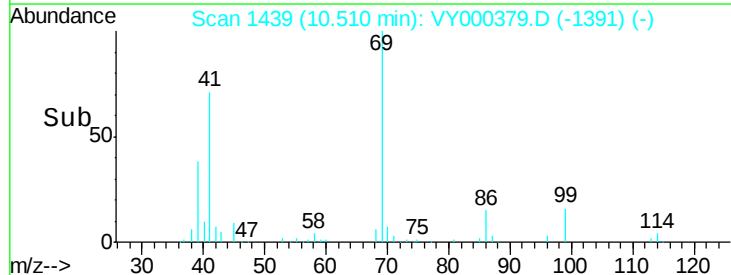
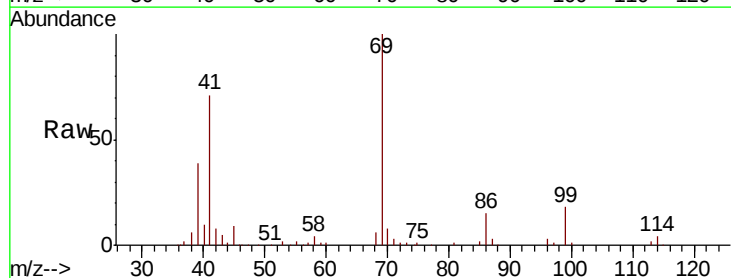
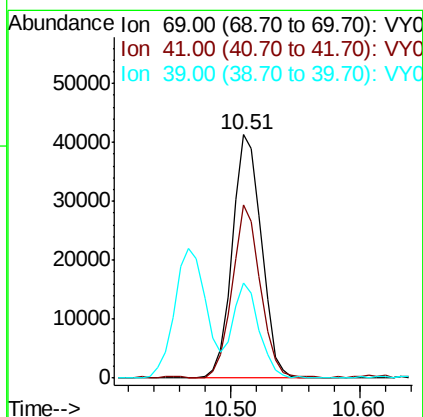
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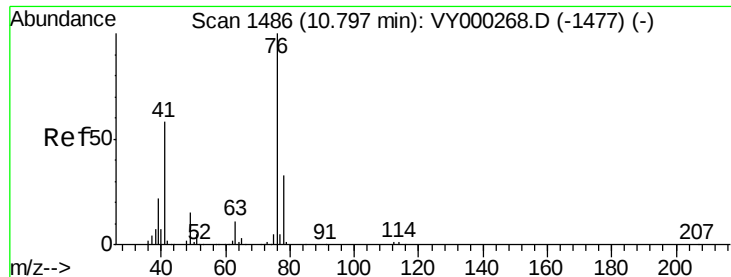
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.420 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion:	69	Resp:	65026
Ion	Ratio	Lower	Upper
69	100		
41	68.9	52.5	78.7
39	35.5	26.7	40.1





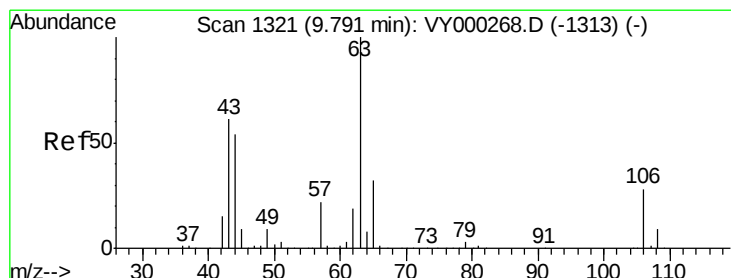
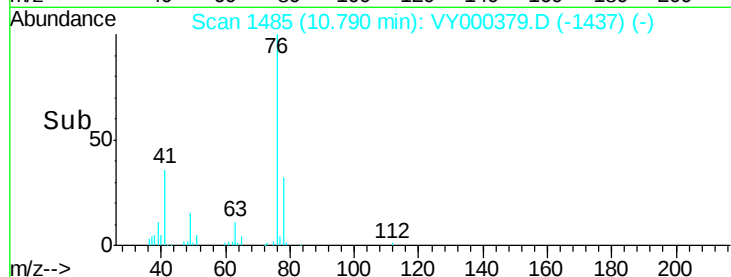
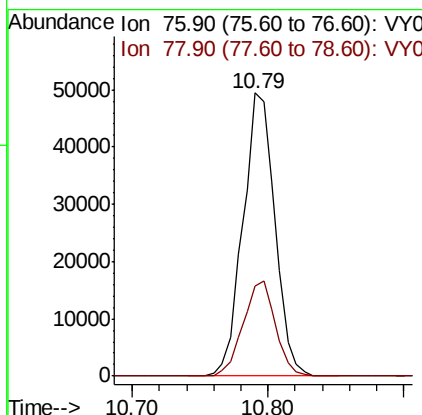
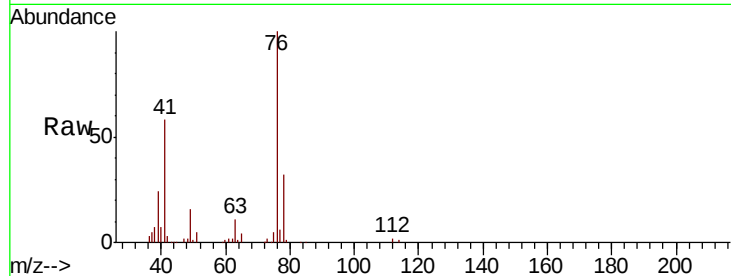
#57
 1,3-Dichloropropane
 Concen: 21.163 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion: 76 Resp: 81199
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.2 39.2

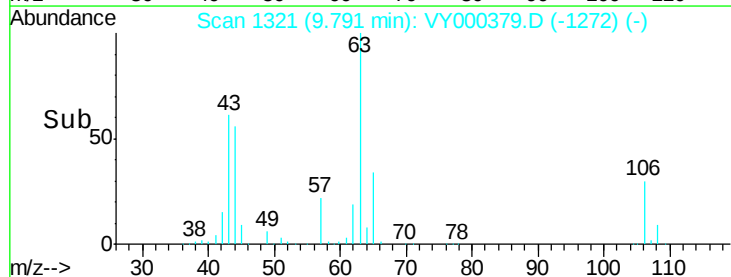
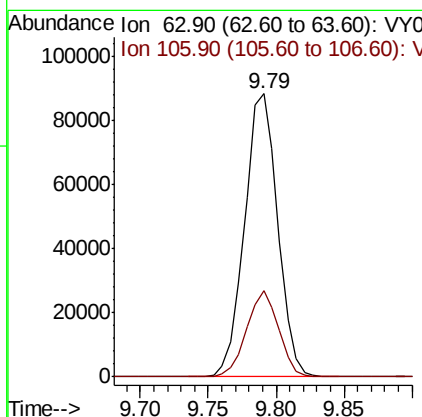
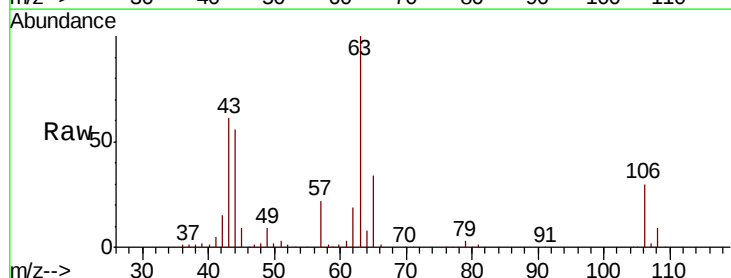
Manual Integrations
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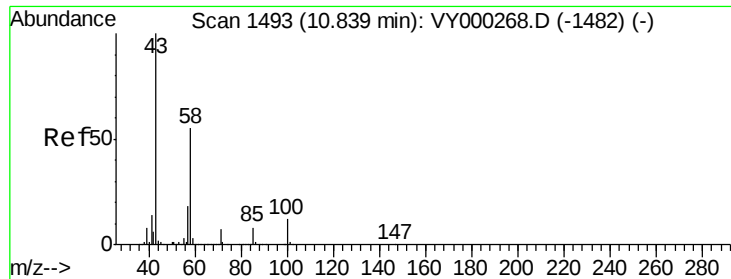
MMDadoda
 10/24/2019 4:30:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.617 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion: 63 Resp: 150663
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.4





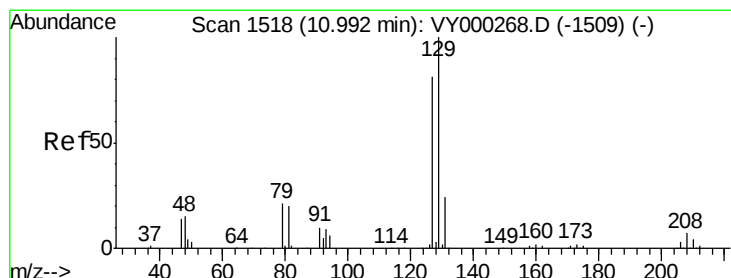
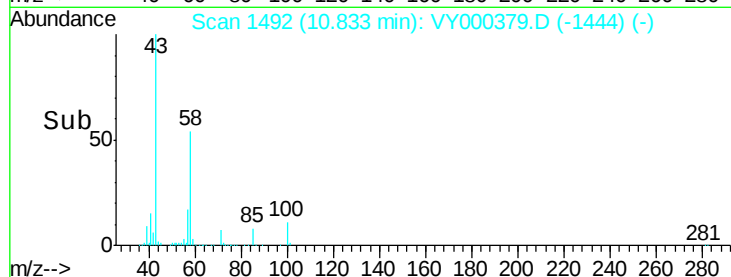
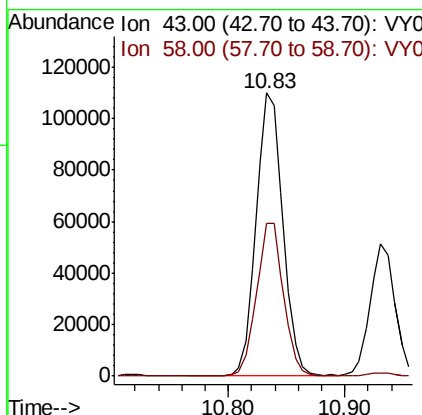
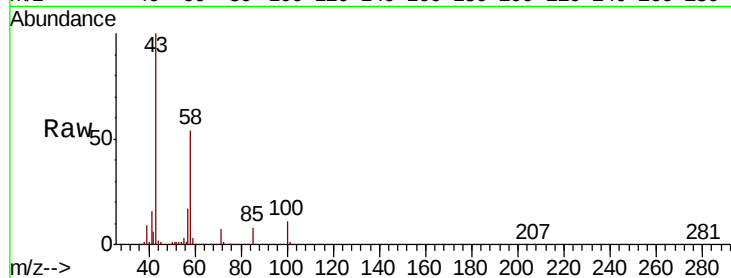
#59
2-Hexanone
Concen: 111.419 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion: 43 Resp: 176016
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

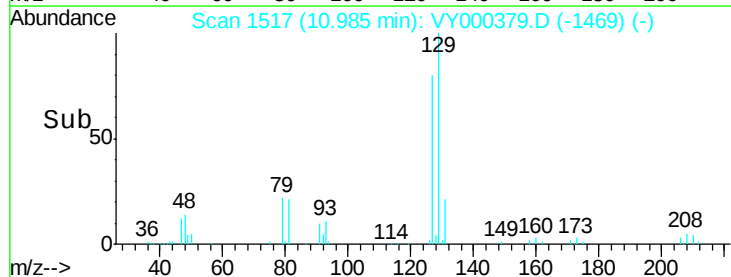
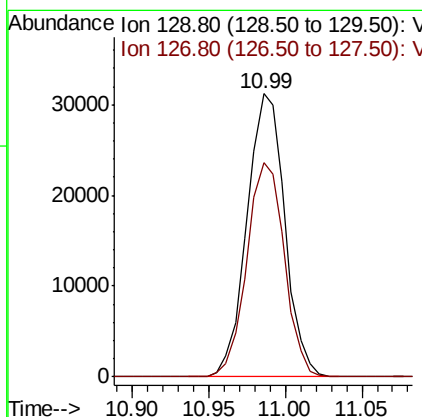
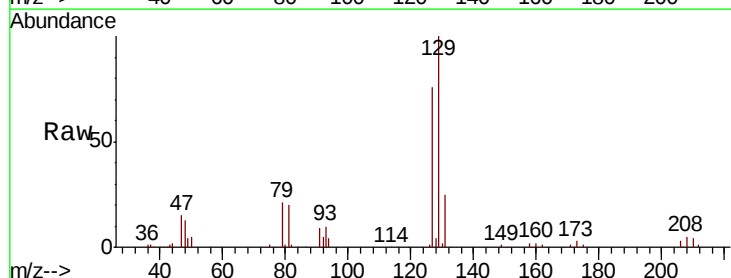
Manual Integrations
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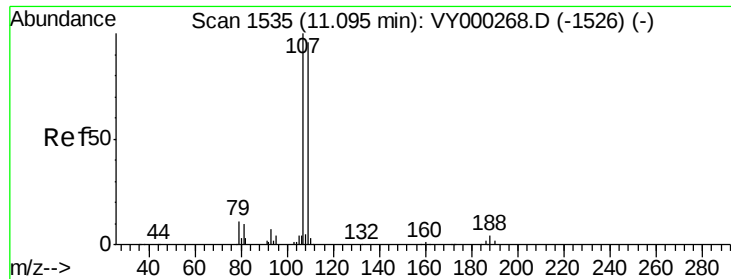
MMDadoda
10/24/2019 4:30:16 PM



#60
Dibromochloromethane
Concen: 21.657 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion: 129 Resp: 53627
Ion Ratio Lower Upper
129 100
127 74.9 39.9 119.7





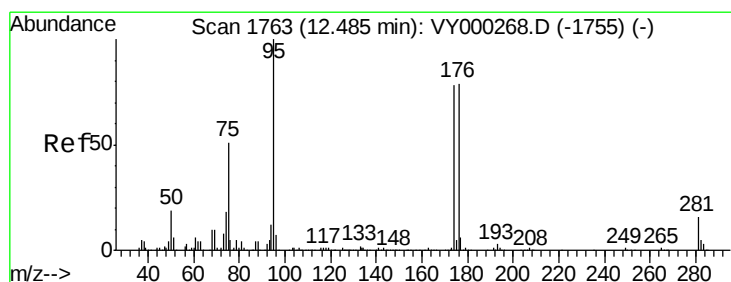
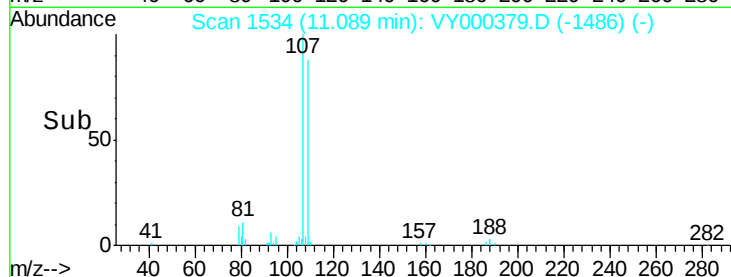
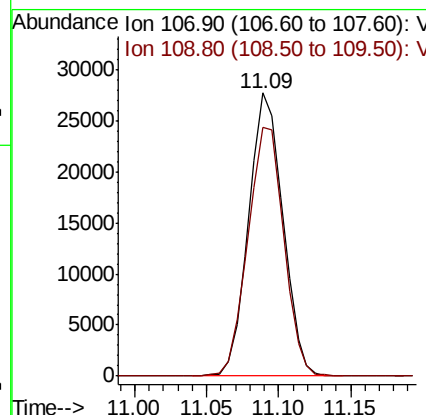
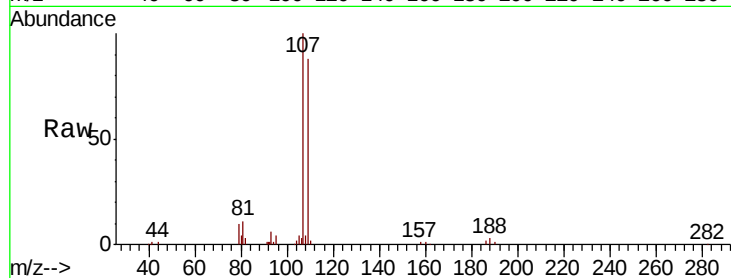
#61
 1,2-Dibromoethane
 Concen: 21.284 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion: 107 Resp: 45657
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.1 112.7

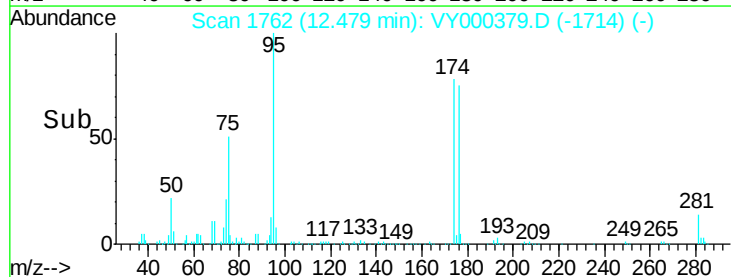
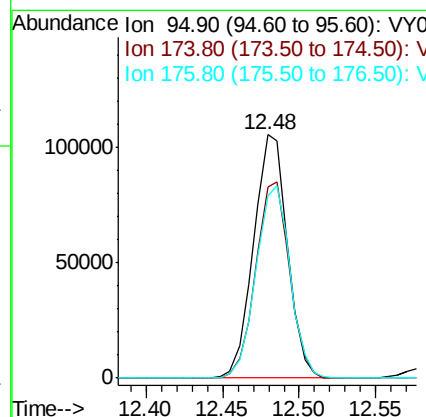
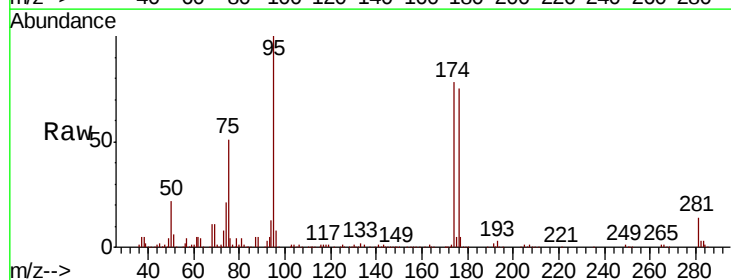
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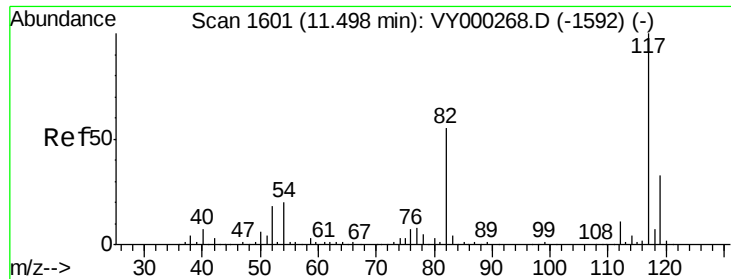
MMDadoda
 10/24/2019 4:30:16 PM



#62
 4-Bromofluorobenzene
 Concen: 46.674 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion: 95 Resp: 162879
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 159.6
 176 79.8 0.0 153.8





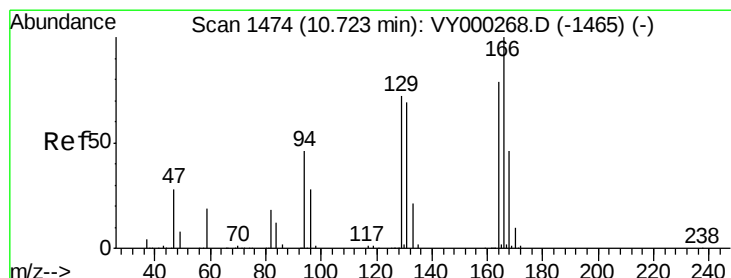
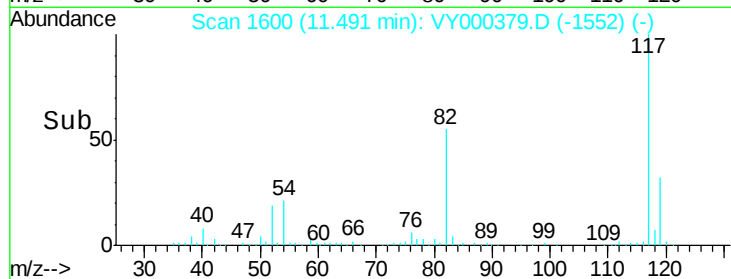
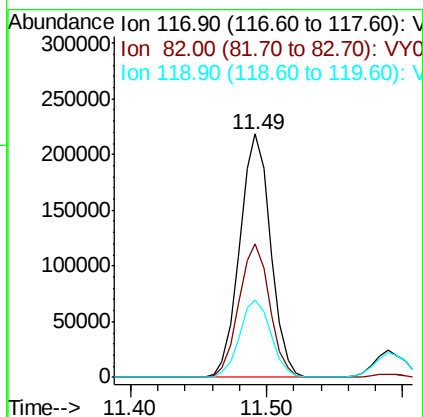
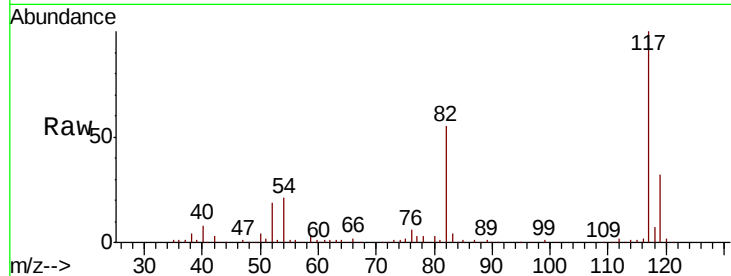
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345455		
82	55.0	43.7	65.5	
119	31.8	26.6	39.8	

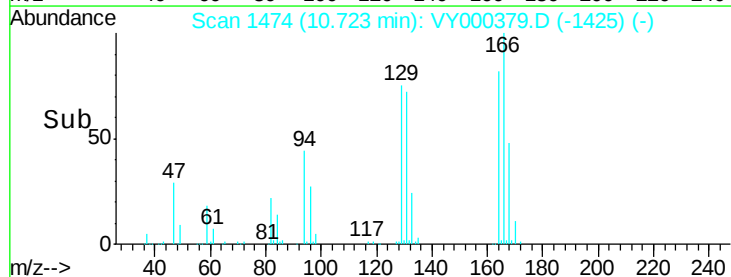
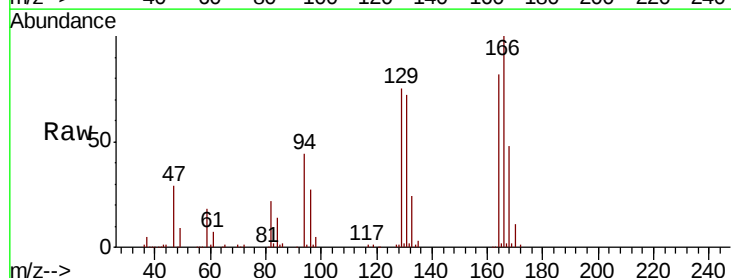
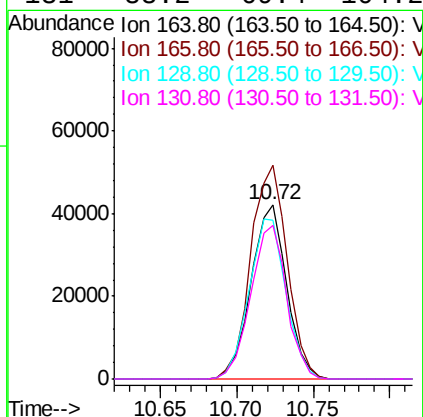
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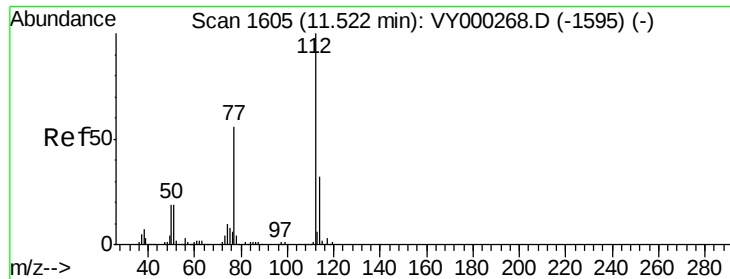
MMDadoda
10/24/2019 4:30:16 PM



#64
Tetrachloroethene
Concen: 20.883 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68678		
166	122.3	100.6	151.0	
129	91.1	72.8	109.2	
131	88.2	69.4	104.2	





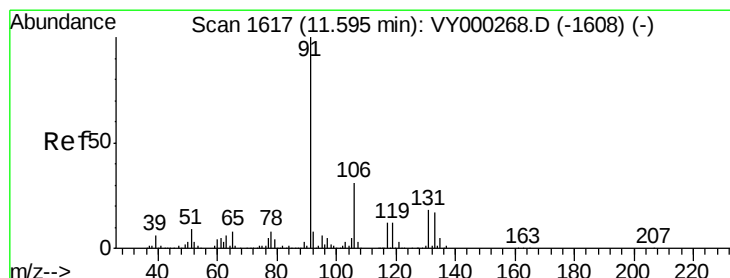
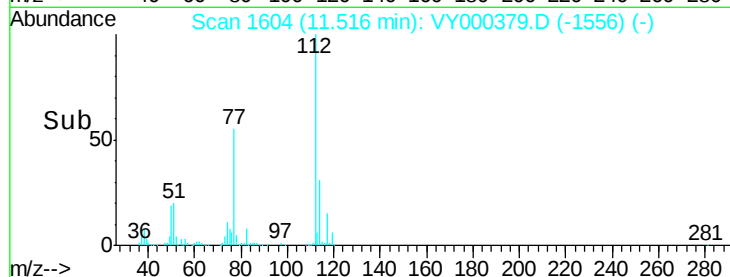
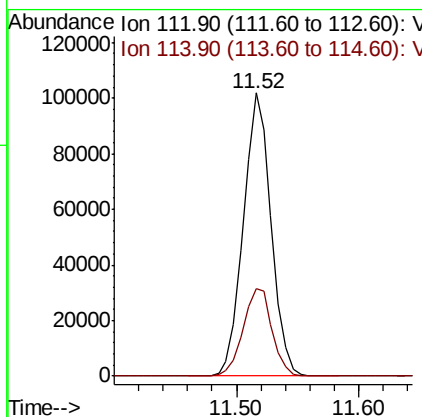
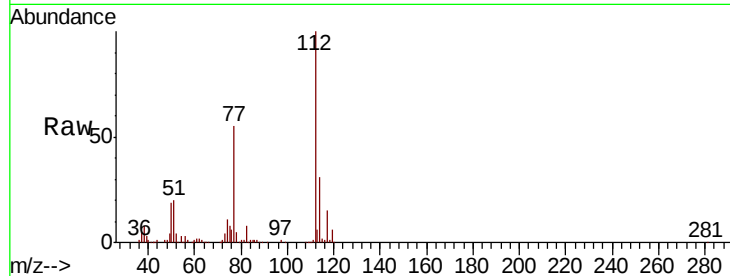
#65
Chlorobenzene
Concen: 21.909 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion:112 Resp: 159727
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5

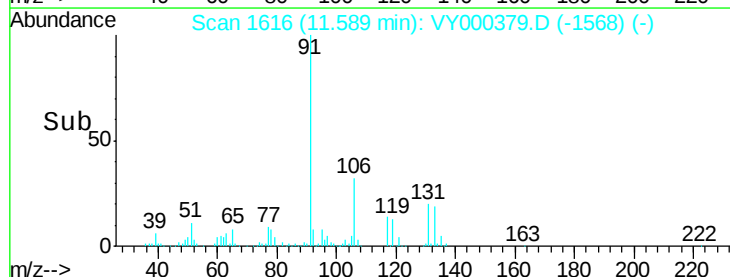
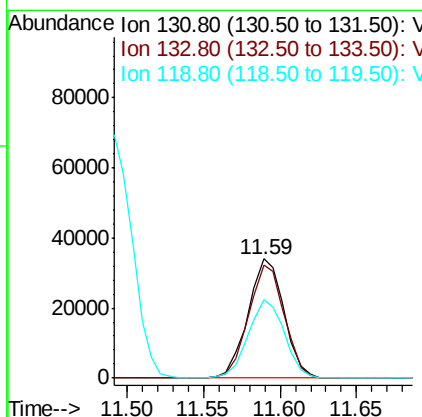
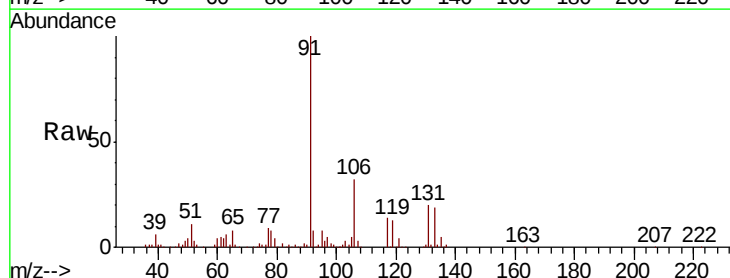
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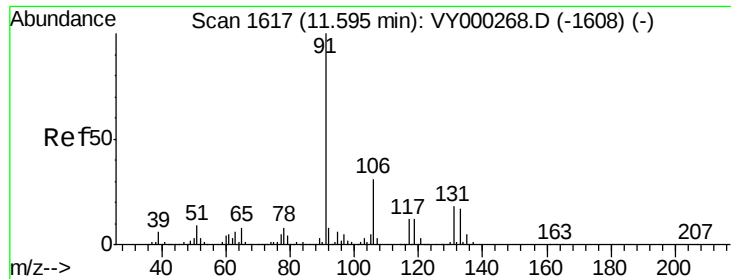
MMDadoda
10/24/2019 4:30:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.663 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion:131 Resp: 55481
Ion Ratio Lower Upper
131 100
133 94.6 47.2 141.6
119 66.1 32.6 98.0





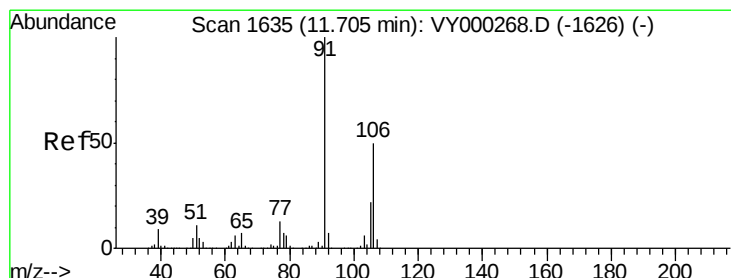
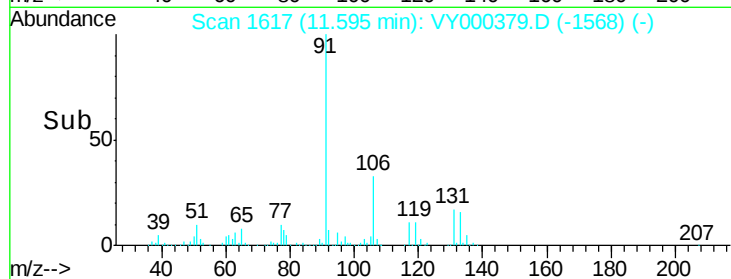
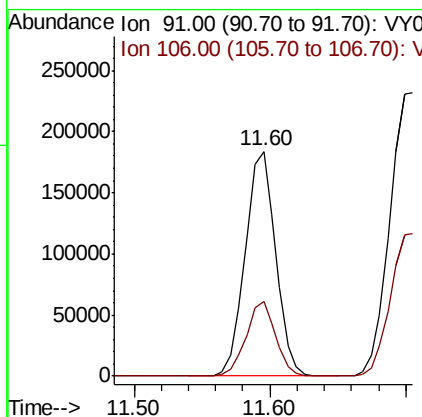
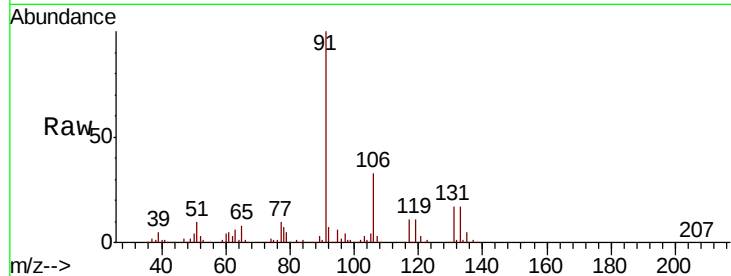
#67
Ethyl Benzene
Concen: 21.336 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.0	37.6

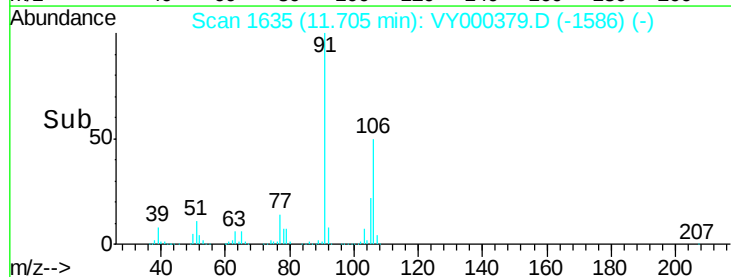
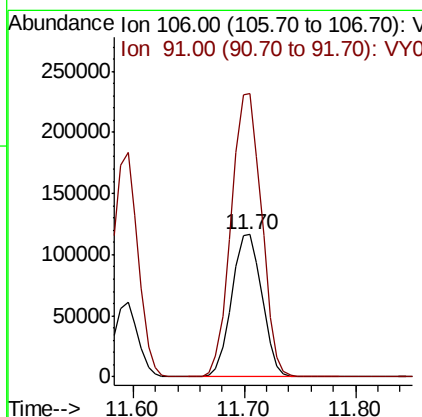
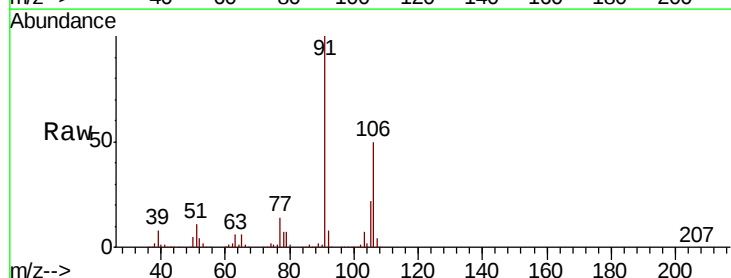
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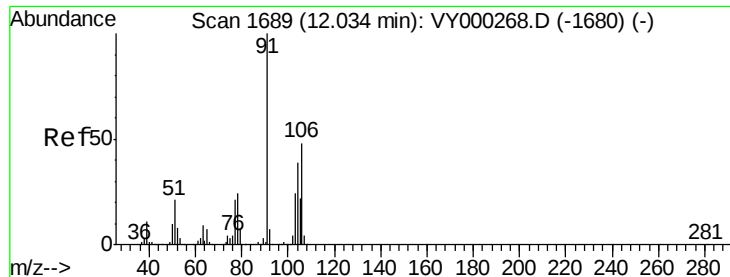
MMDadoda
10/24/2019 4:30:16 PM



#68
m/p-Xylenes
Concen: 42.572 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.9	157.5	236.3





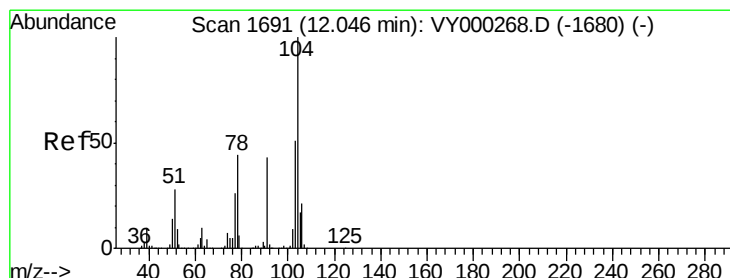
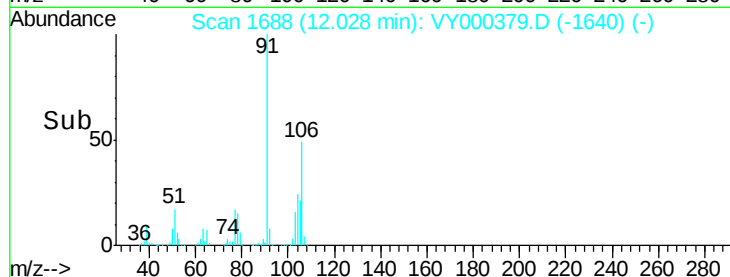
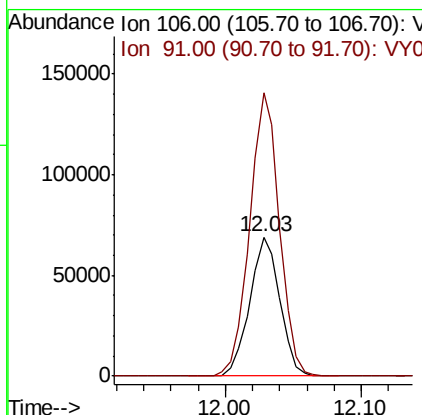
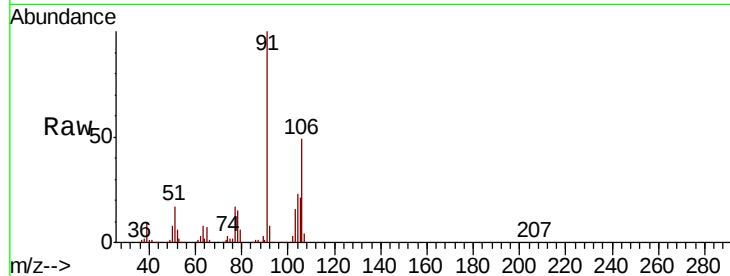
#69
o-Xylene
Concen: 21.741 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	200.8	104.7	313.9

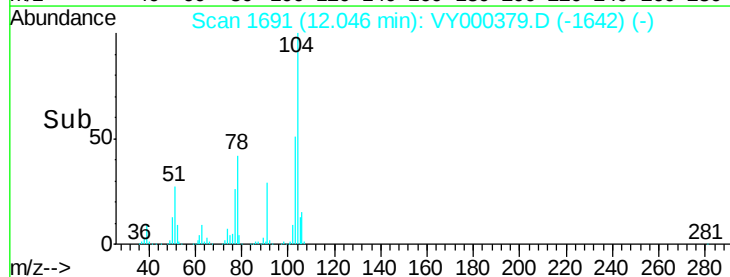
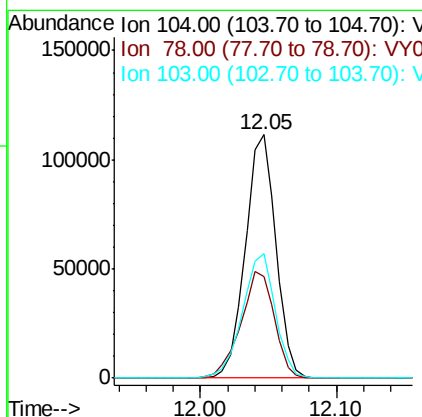
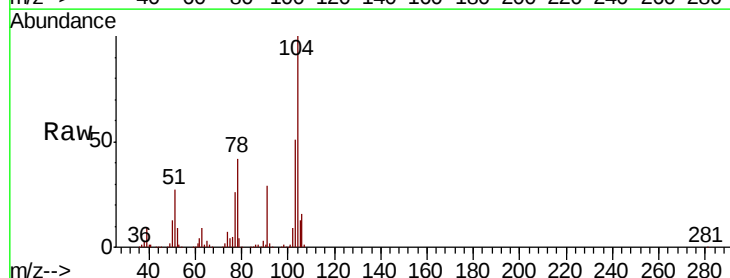
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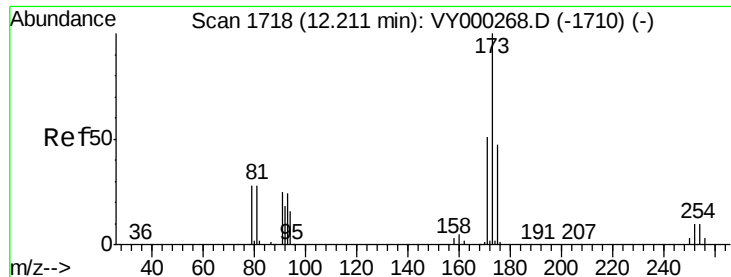
MMDadoda
10/24/2019 4:30:16 PM



#70
Styrene
Concen: 21.067 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	48.2	39.0	58.6
103	103	54.9	43.1	64.7





#71

Bromoform

Concen: 20.950 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion:173 Resp: 30844

Ion Ratio Lower Upper

173 100

175 49.9 24.6 73.6

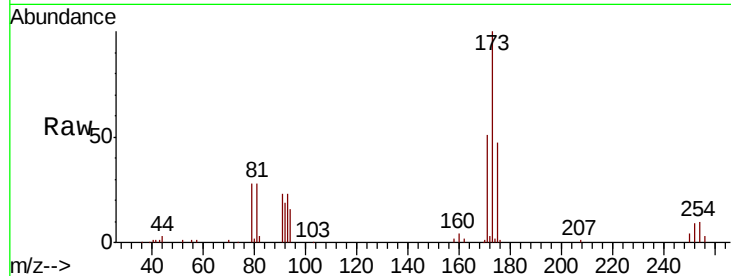
254 0.0 0.1 0.1#

Manual Integrations

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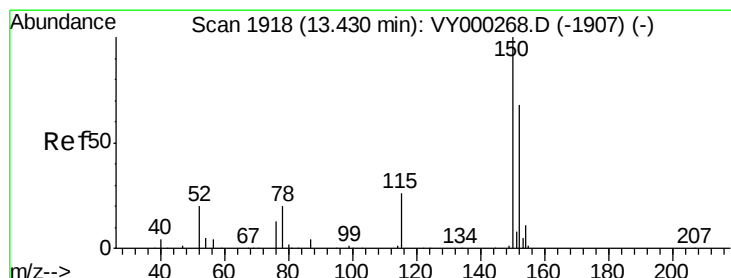
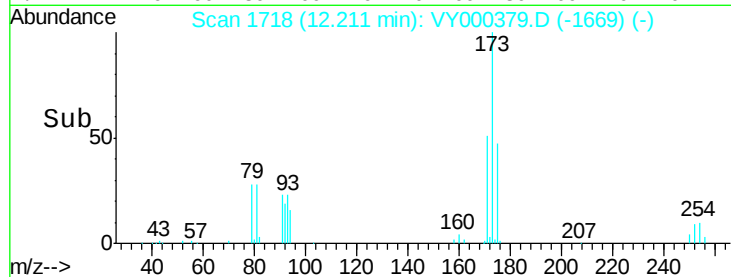
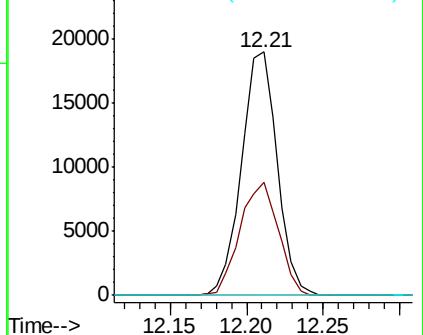
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY000379.D

Acq: 23 Oct 2019 14:28

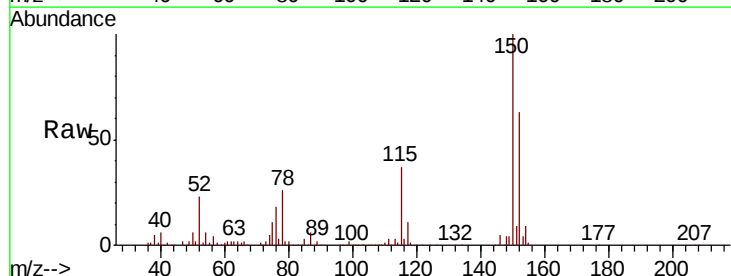
Tgt Ion:152 Resp: 172813

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

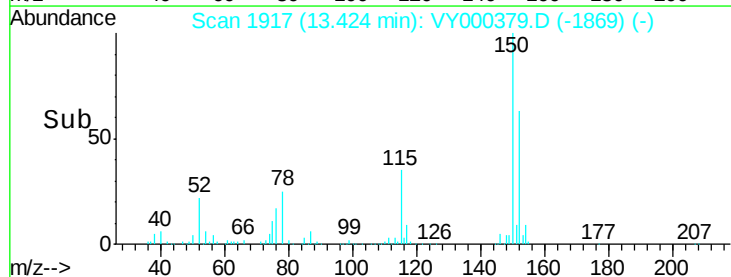
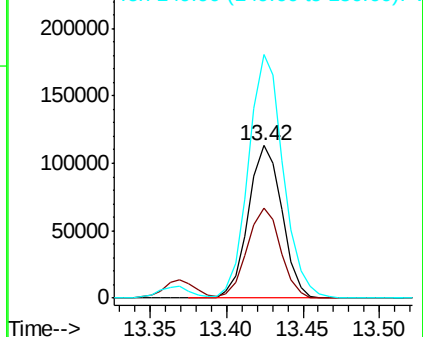
150 165.4 0.0 348.4

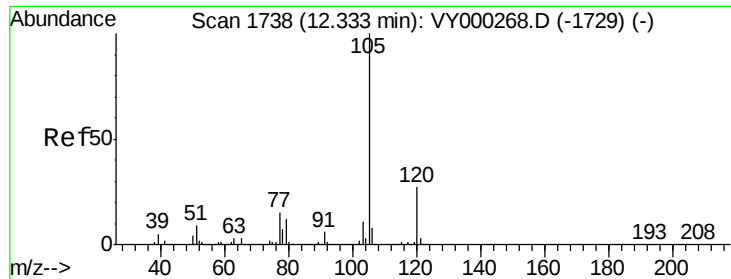


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.943 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 105 Resp: 282209

Ion Ratio Lower Upper

105 100

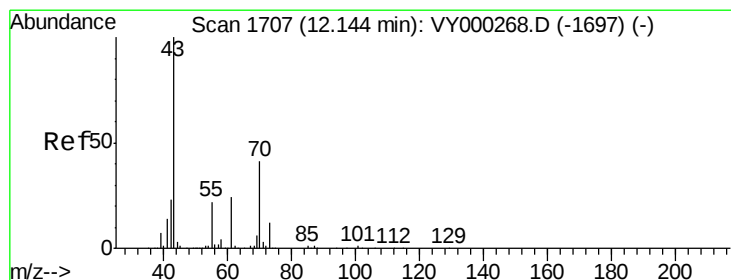
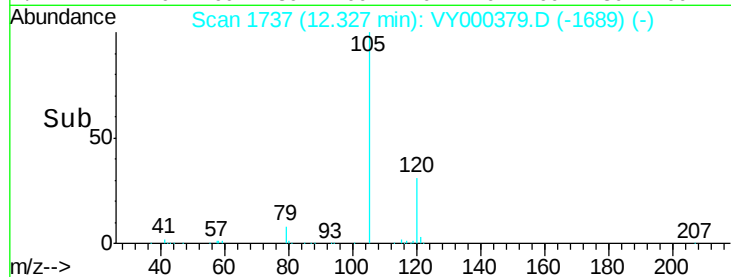
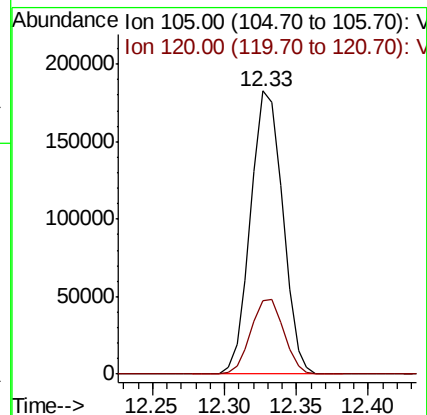
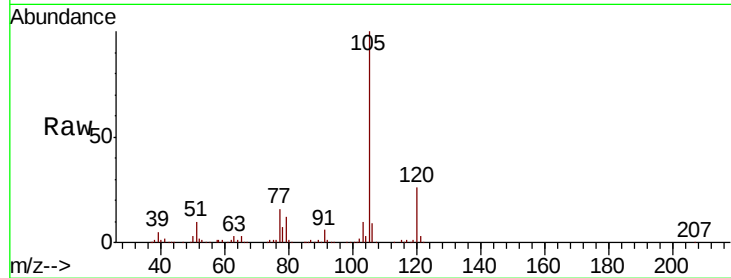
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.520 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion: 43 Resp: 77806

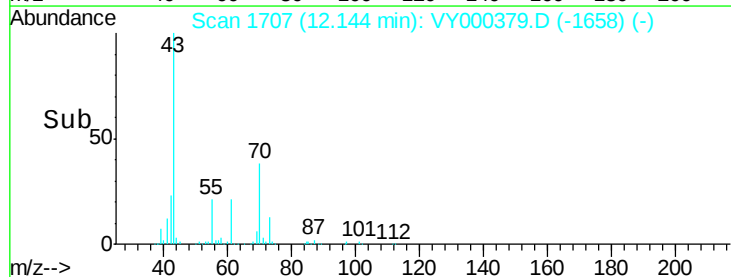
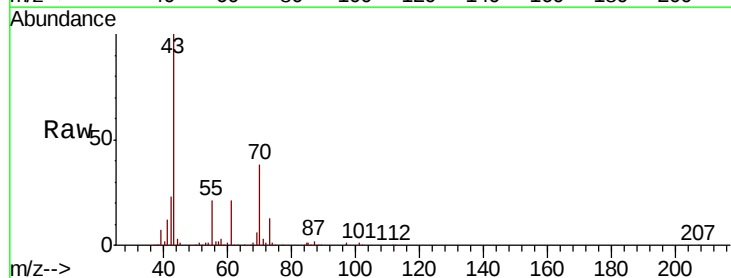
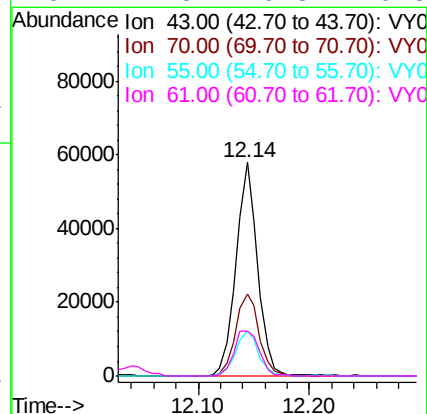
Ion Ratio Lower Upper

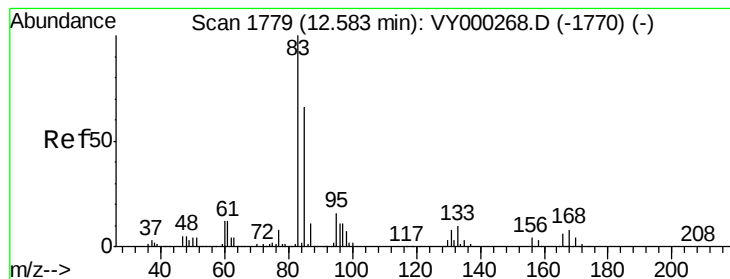
43 100

70 41.5 32.9 49.3

55 22.3 17.8 26.6

61 24.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.545 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

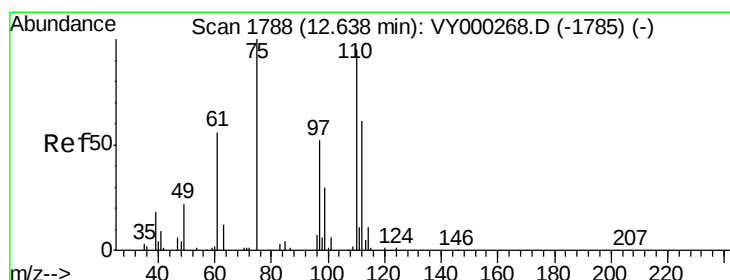
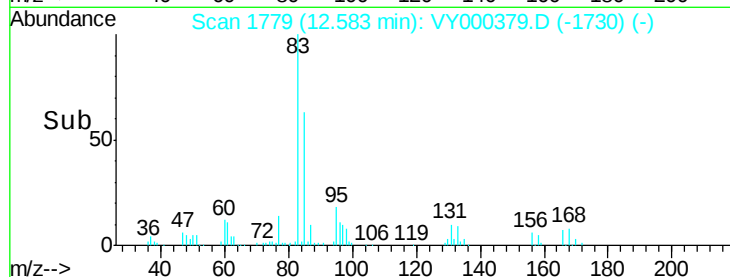
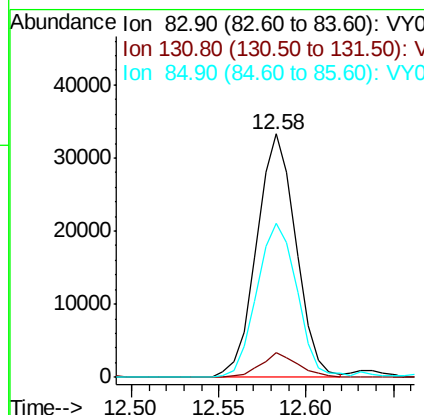
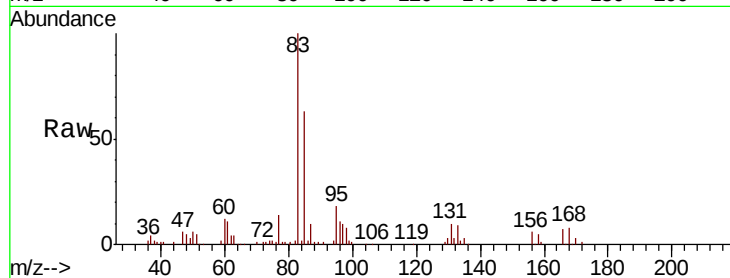
ClientSampleId :

VY1023SBS01

Tot Ion:	83	Resp:	51978
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	16.1
85	64.9	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 20.260 ug/l m

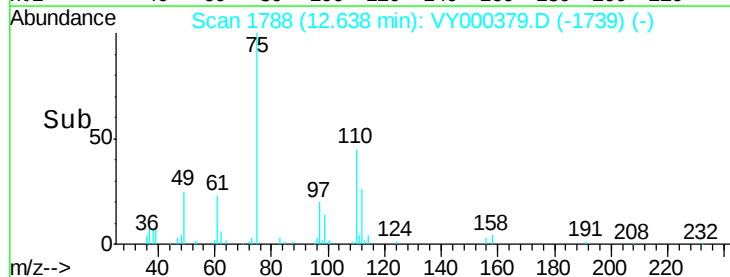
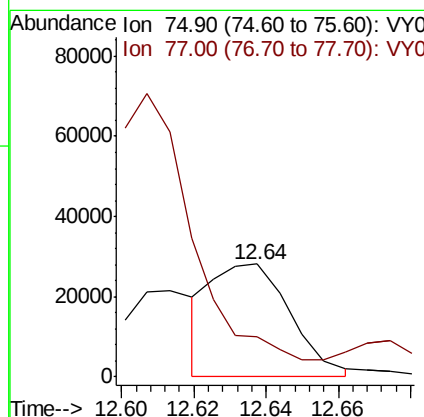
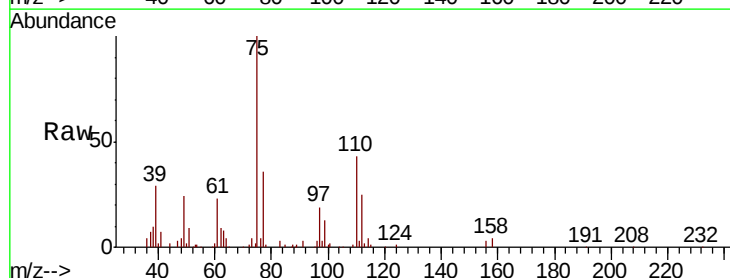
RT: 12.64 min Scan# 1788

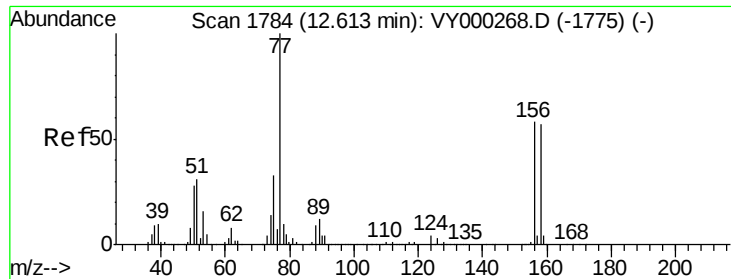
Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	75	Resp:	43052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.827 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion:156 Resp: 65447

Ion Ratio Lower Upper

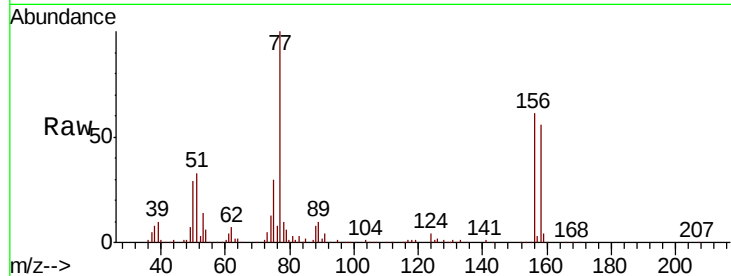
156 100

77 188.9 101.0 302.9

158 94.5 49.7 149.1

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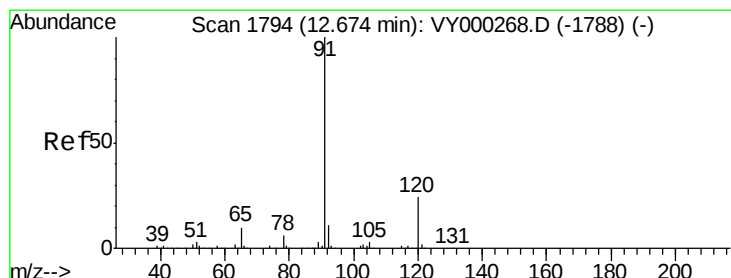
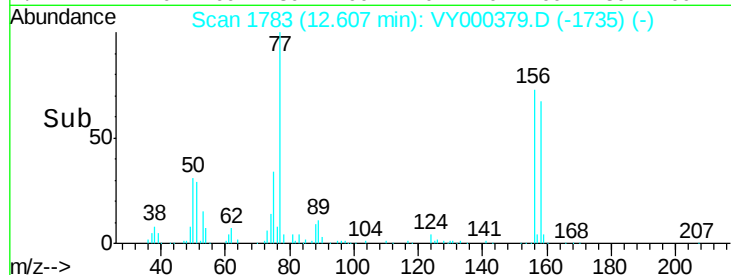
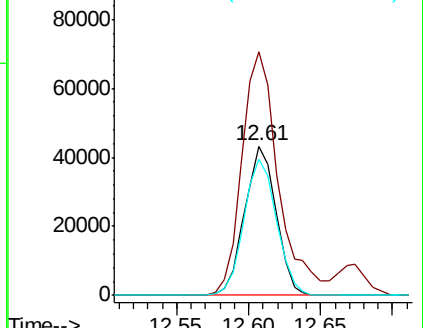
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.250 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000379.D

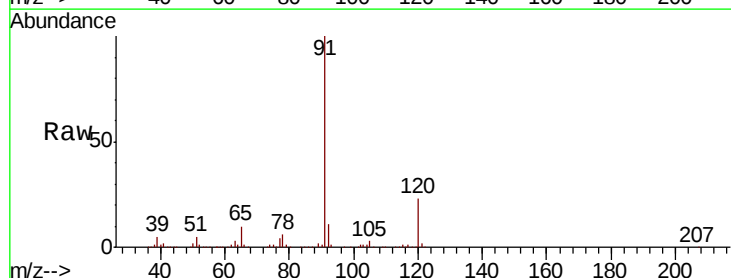
Acq: 23 Oct 2019 14:28

Tgt Ion: 91 Resp: 343799

Ion Ratio Lower Upper

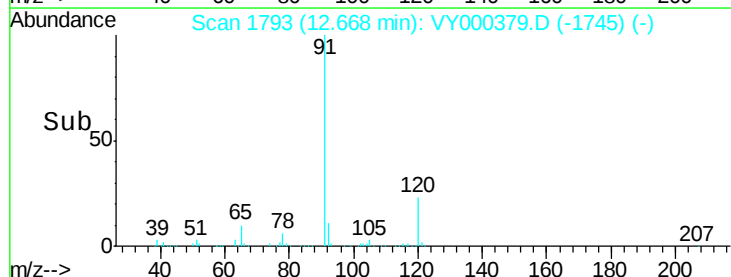
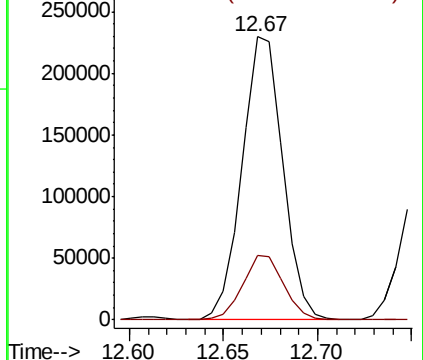
91 100

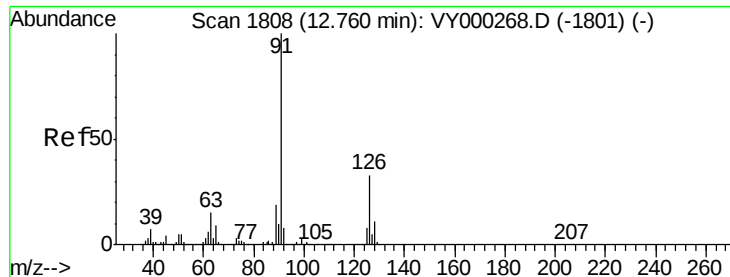
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





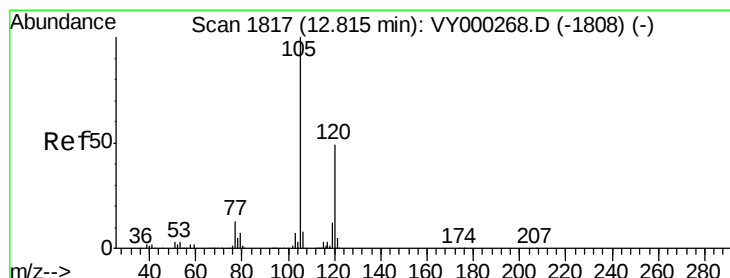
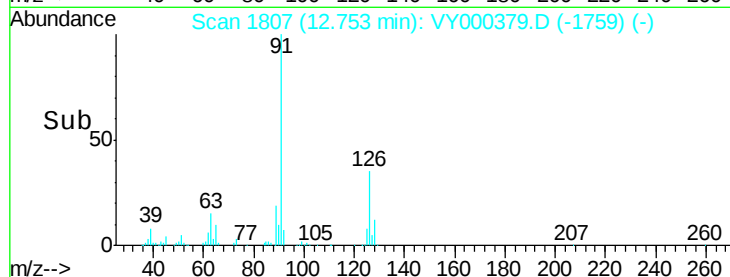
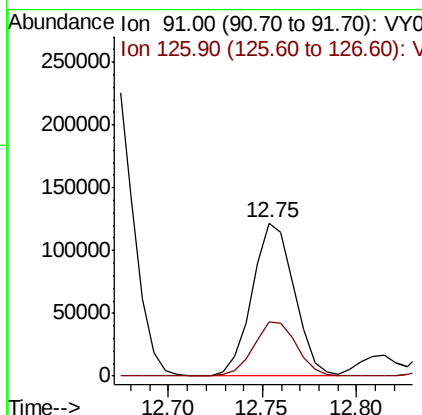
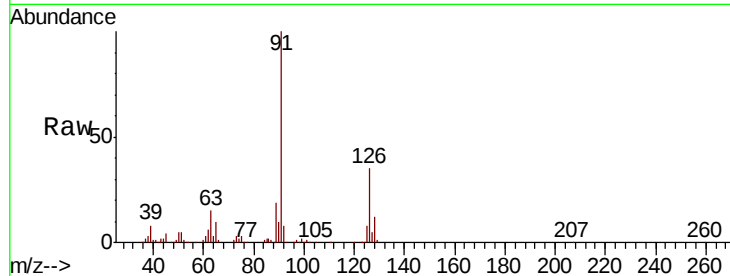
#79
 2-Chlorotoluene
 Concen: 21.221 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion: 91 Resp: 189607
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.1 51.3

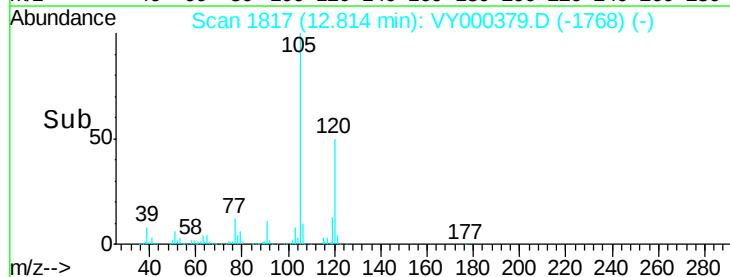
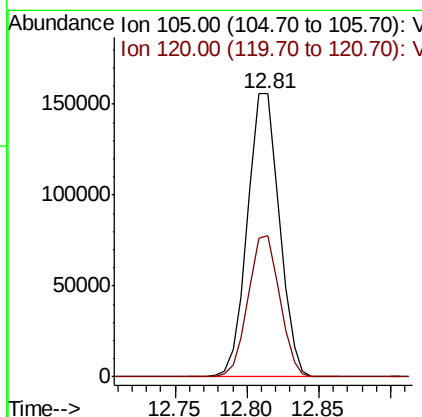
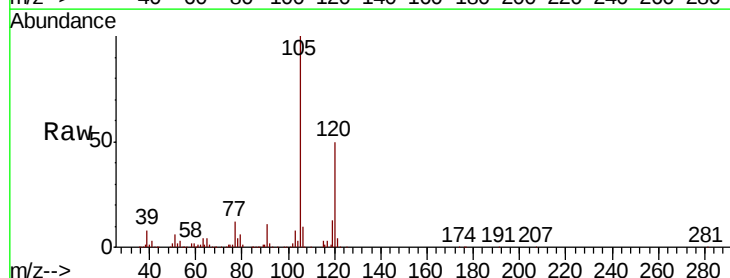
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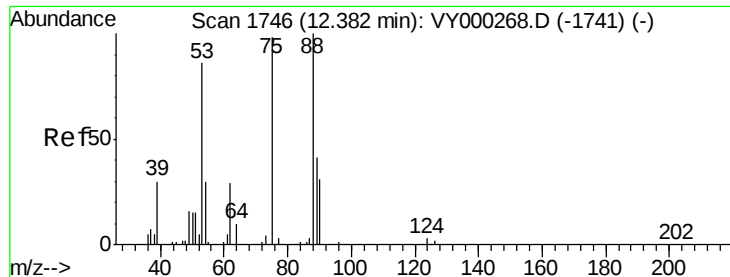
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.107 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion: 105 Resp: 238483
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.560 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion: 75 Resp: 19968

Ion Ratio Lower Upper

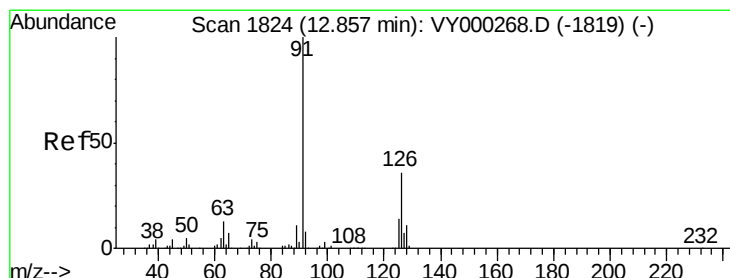
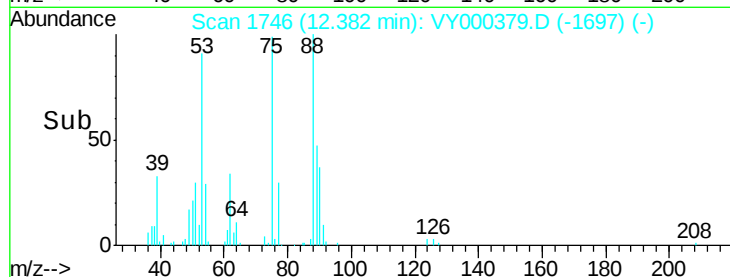
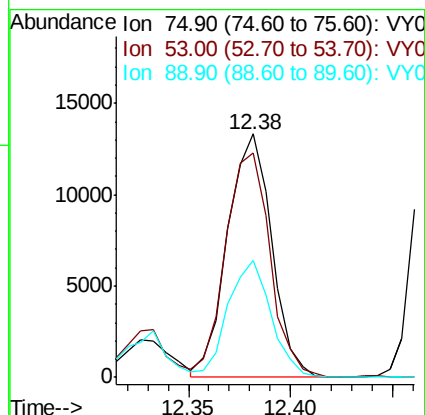
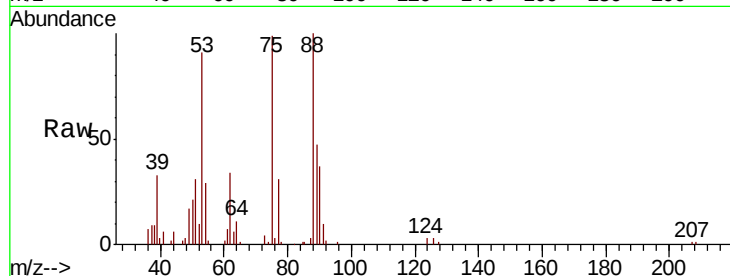
75 100

53 93.3 71.3 106.9

89 47.0 35.1 52.7

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#82

4-Chlorotoluene

Concen: 20.997 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY000379.D

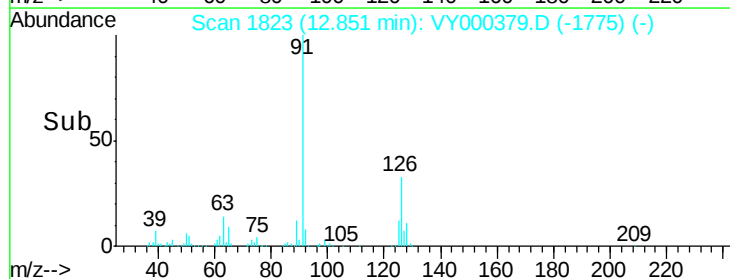
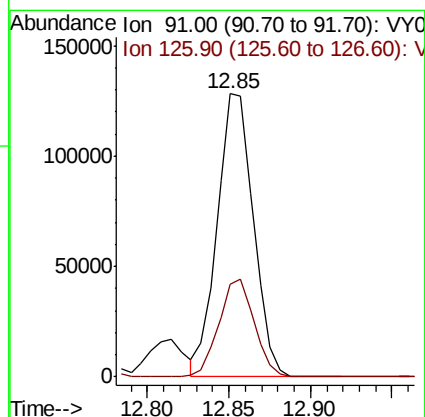
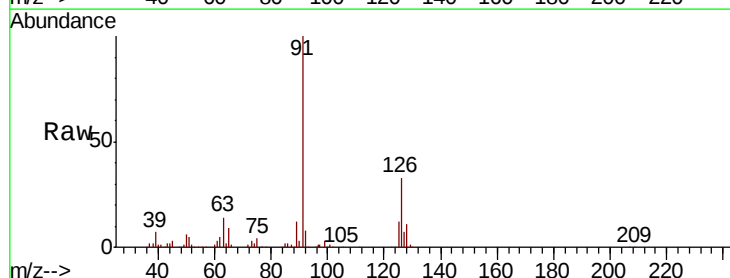
Acq: 23 Oct 2019 14:28

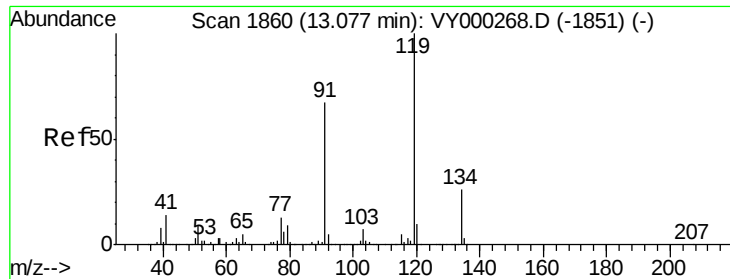
Tgt Ion: 91 Resp: 198307

Ion Ratio Lower Upper

91 100

126 33.9 17.2 51.5





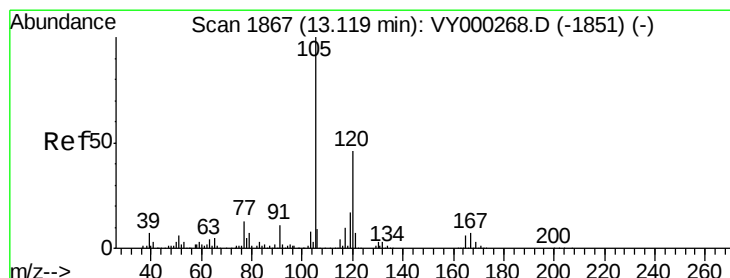
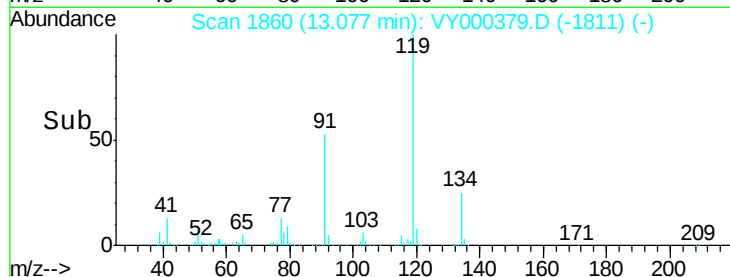
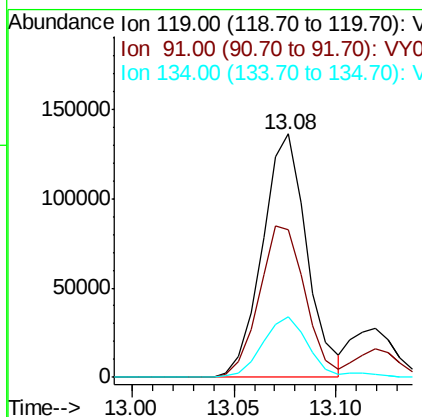
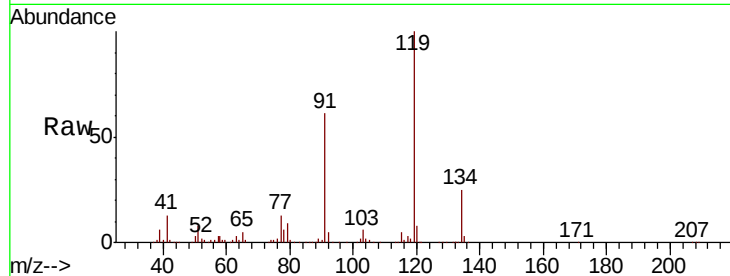
#83
tert-Butylbenzene
Concen: 21.623 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206894		
91	64.3		32.9	98.7
134	26.1		13.3	39.8

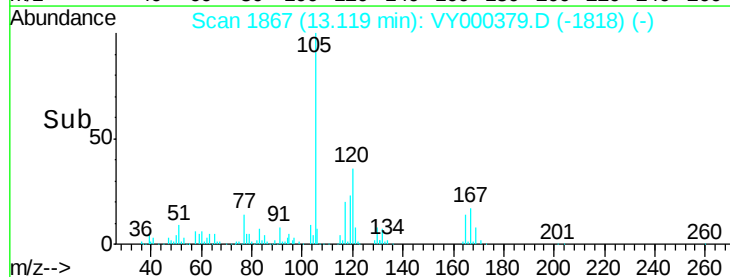
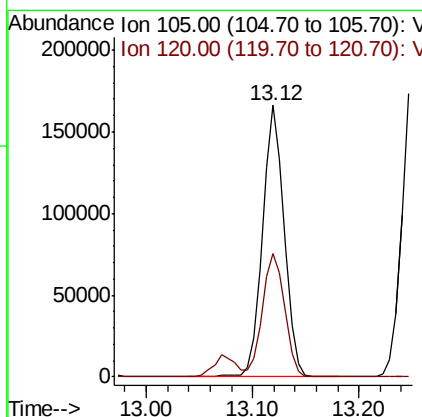
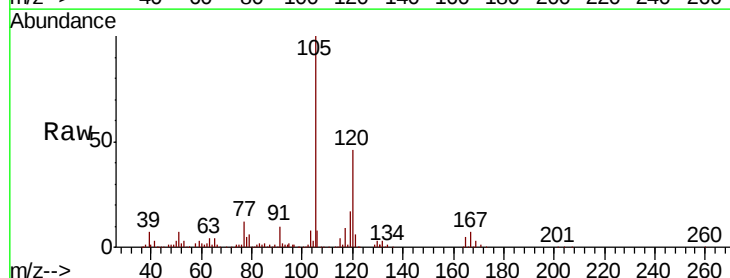
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#84
1,2,4-Trimethylbenzene
Concen: 21.309 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237627		
120	46.3		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.384 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1023SBS01

Tot Ion:105 Resp: 295991

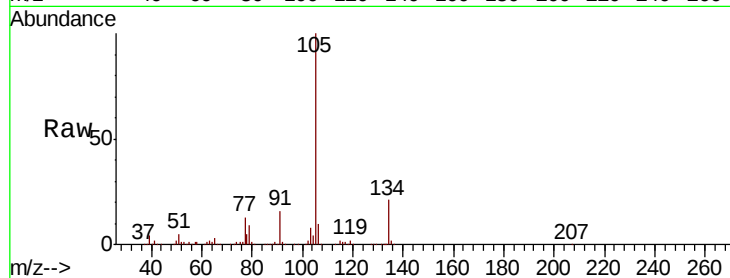
Ion Ratio Lower Upper

105 100

134 20.5 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

13.25

200000

150000

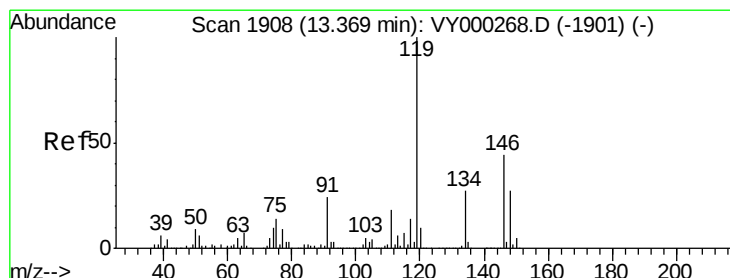
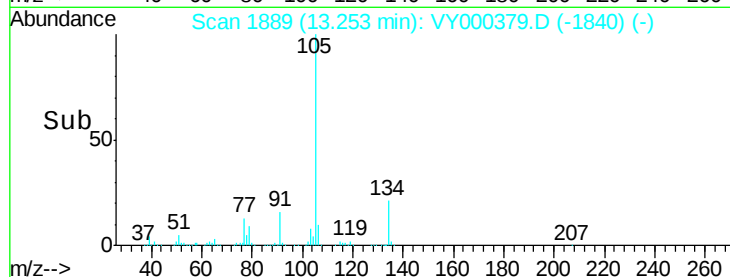
100000

50000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 21.563 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

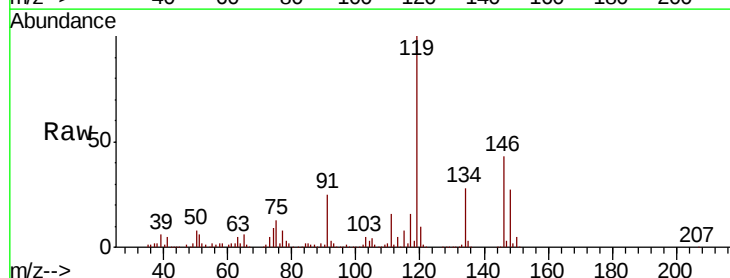
Tgt Ion:119 Resp: 260216

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 23.7 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

250000

200000

150000

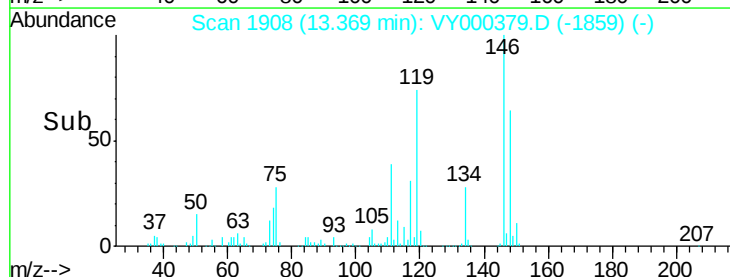
100000

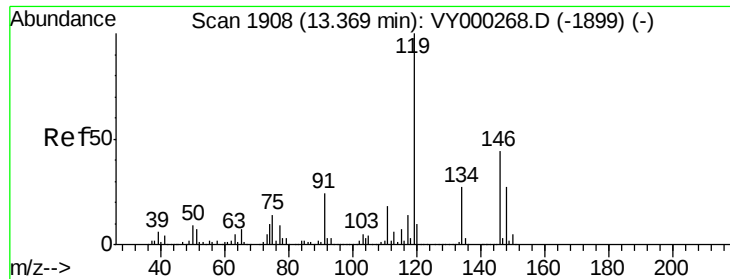
50000

0

Time-->

13.30 13.35 13.40





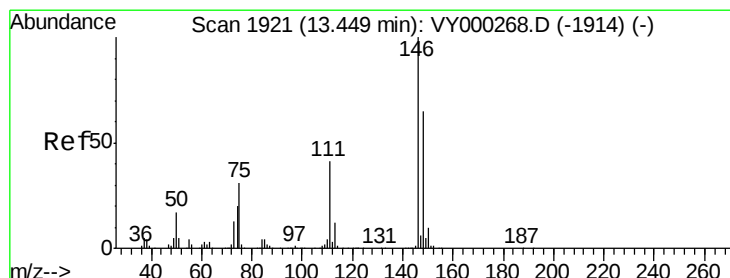
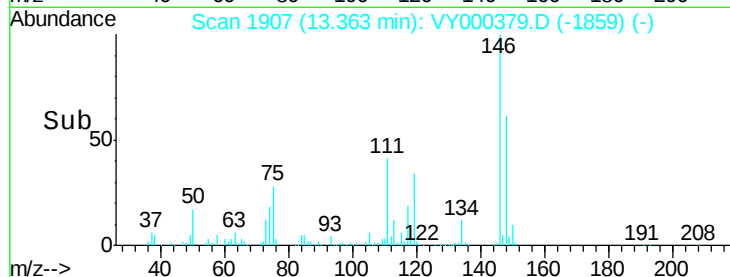
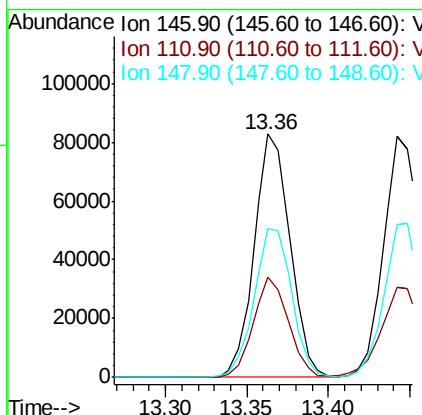
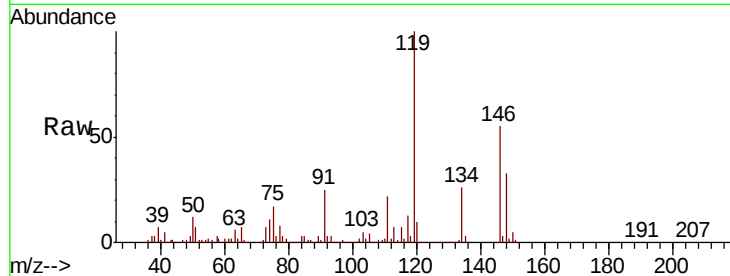
#87
 1,3-Dichlorobenzene
 Concen: 21.385 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.8	31.9	95.5

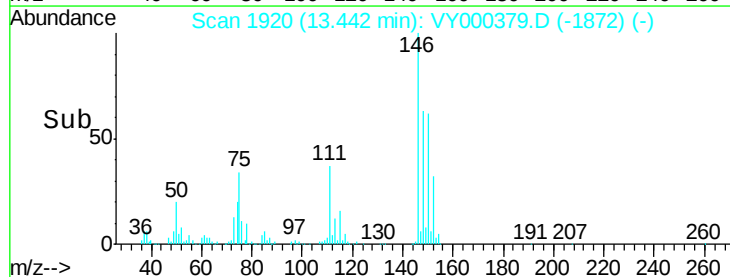
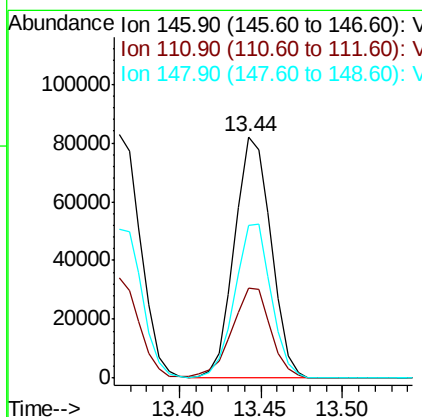
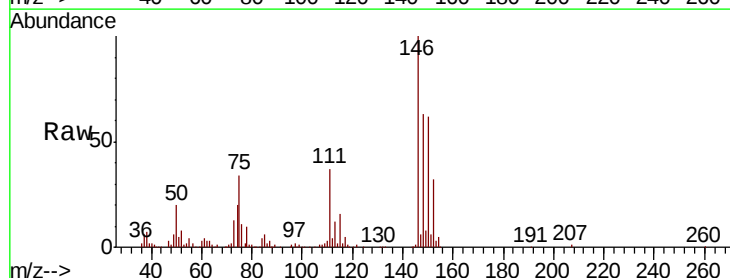
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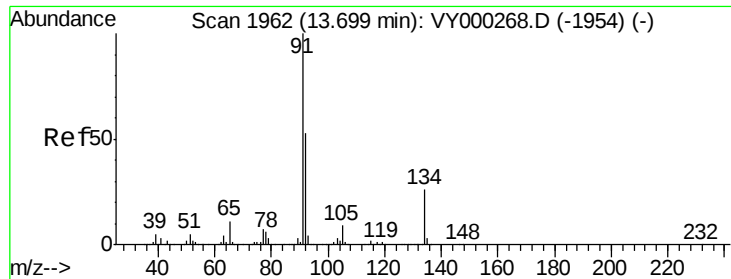
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#88
 1,4-Dichlorobenzene
 Concen: 21.750 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	63.4	32.4	97.2





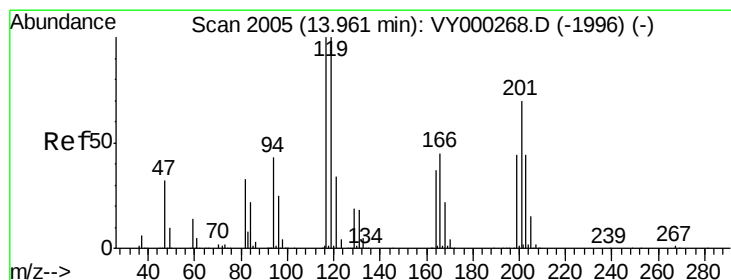
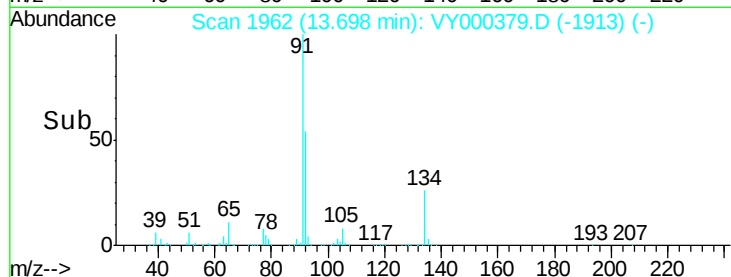
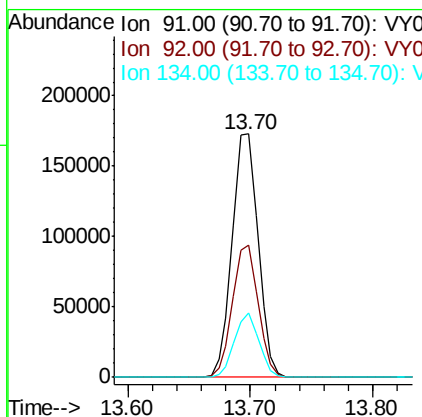
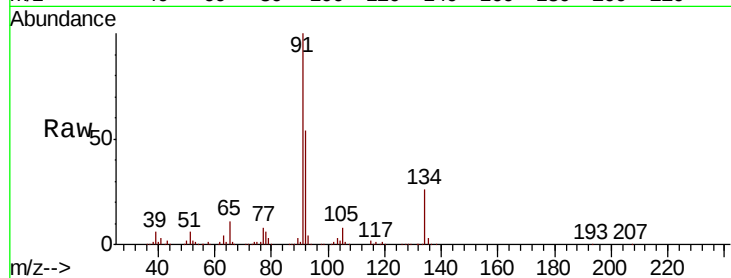
#89
n-Butylbenzene
Concen: 21.283 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.1
134	24.8	13.0	38.9

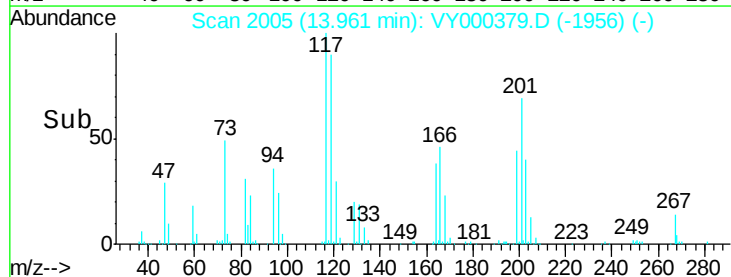
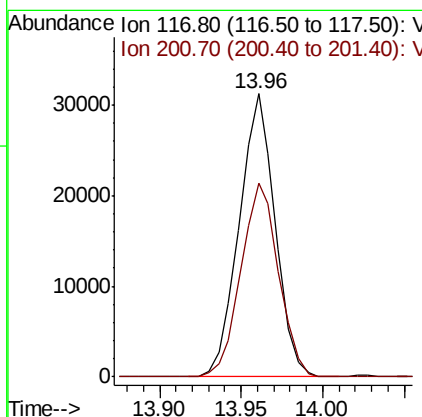
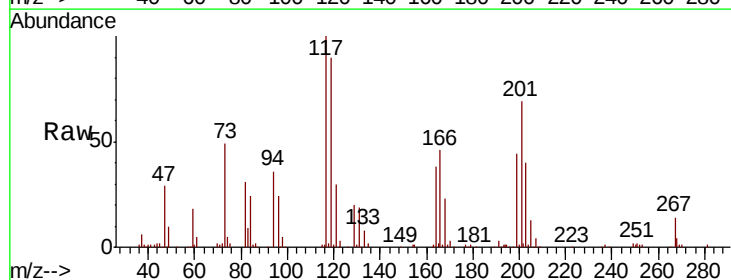
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#90
Hexachloroethane
Concen: 21.389 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	36.3	108.7





#91

1,2-Dichlorobenzene

Concen: 21.907 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Instrument :

MSVOA_Y

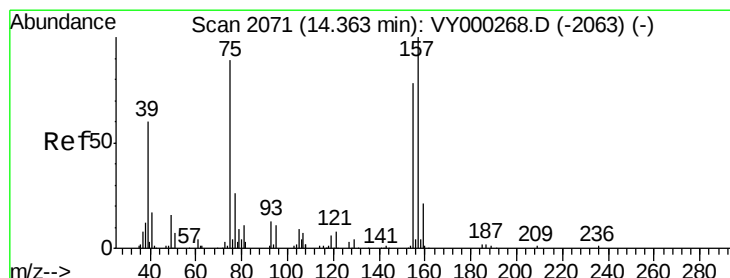
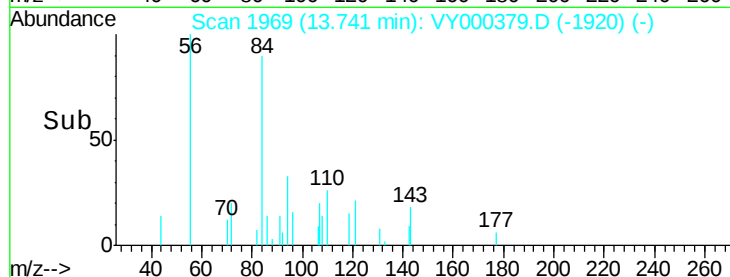
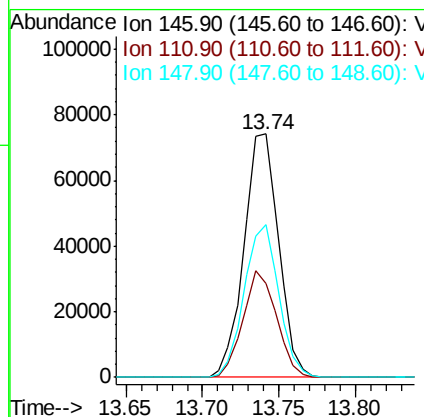
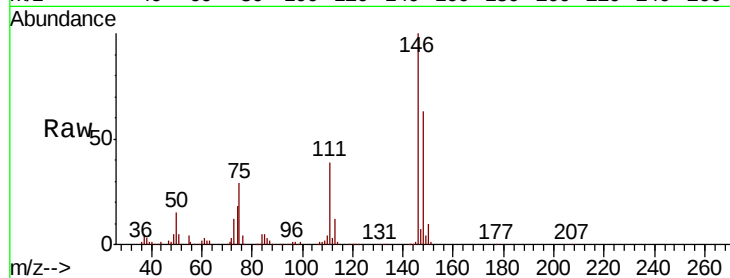
ClientSampleId :

VY1023SBS01

Tot Ion:	146	Resp:	117126
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.5	61.5
148	62.3	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.328 ug/l

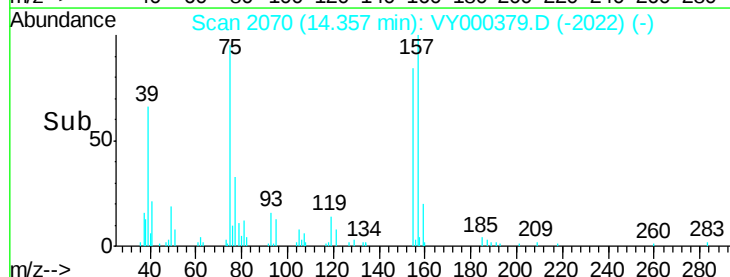
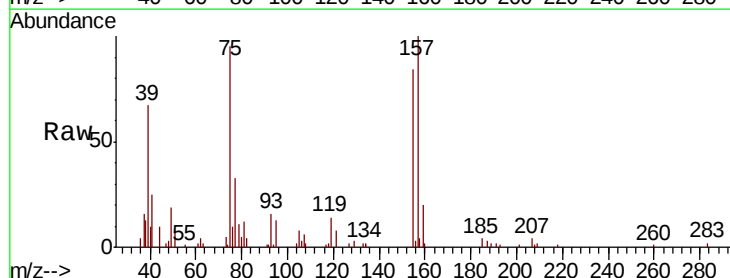
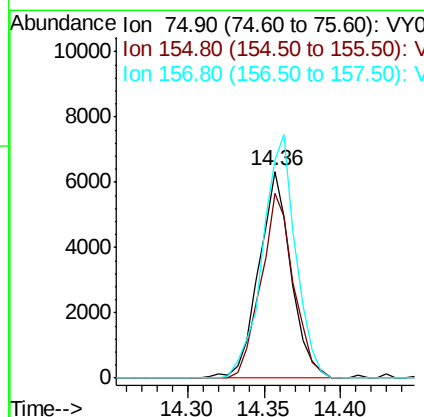
RT: 14.36 min Scan# 2070

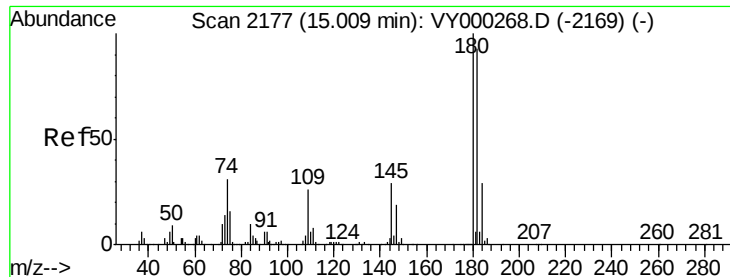
Delta R.T. -0.01 min

Lab File: VY000379.D

Acq: 23 Oct 2019 14:28

Tgt Ion:	75	Resp:	9274
Ion Ratio	Lower	Upper	
75	100		
155	90.5	45.8	137.3
157	121.0	55.6	166.9





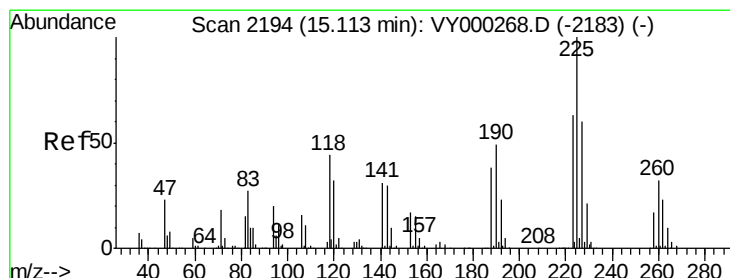
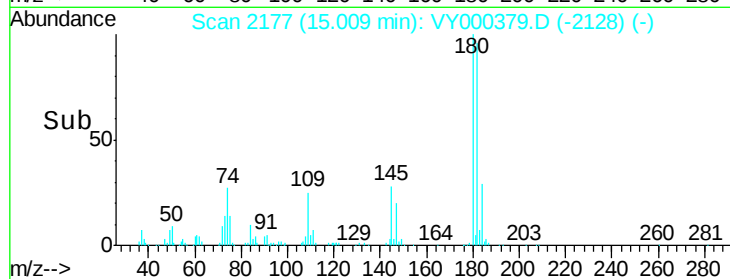
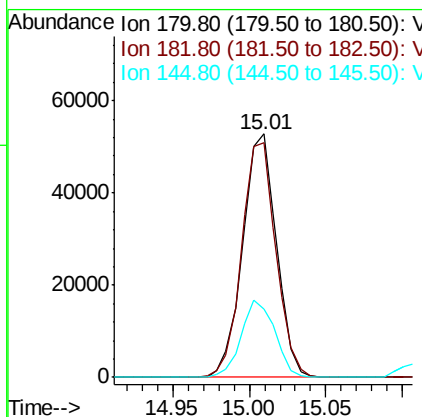
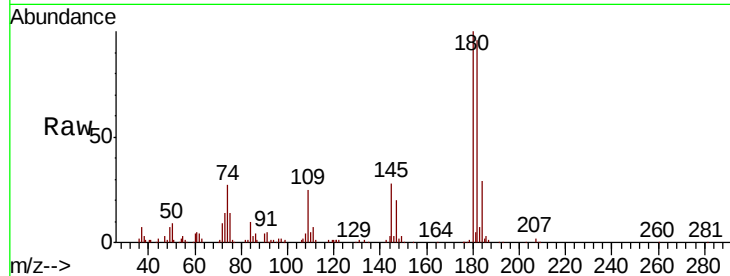
#93
 1,2,4-Trichlorobenzene
 Concen: 21.761 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81003		
182	97.8	47.5	142.6	
145	31.6	15.4	46.1	

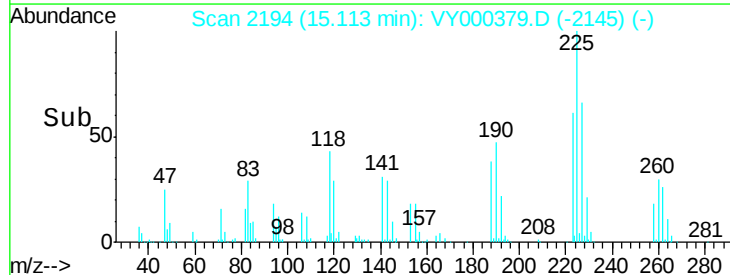
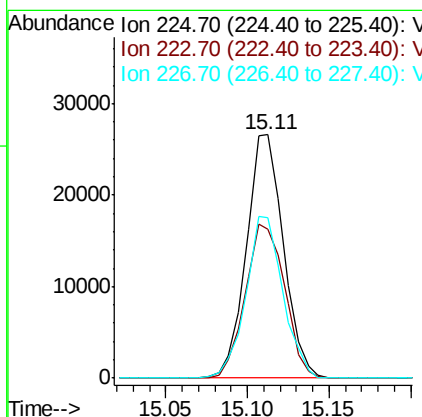
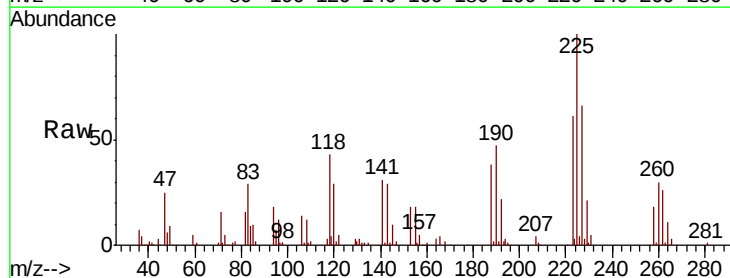
Manual Integrations
 APPROVED

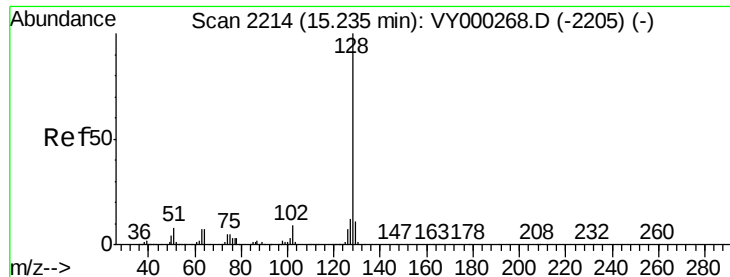
MMDadoda
 10/24/2019 4:30:16 PM



#94
 Hexachlorobutadiene
 Concen: 20.889 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000379.D
 Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42079		
223	67.0	31.9	95.7	
227	66.2	31.4	94.2	





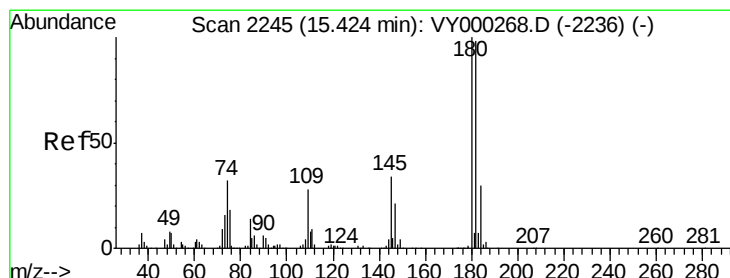
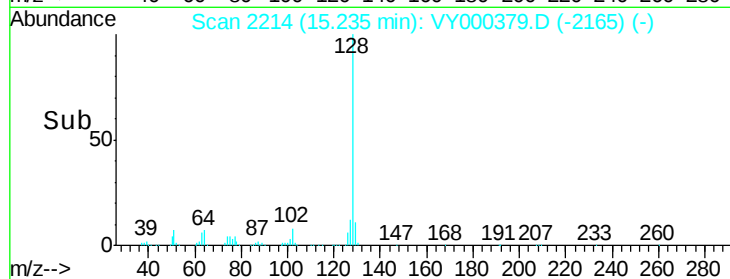
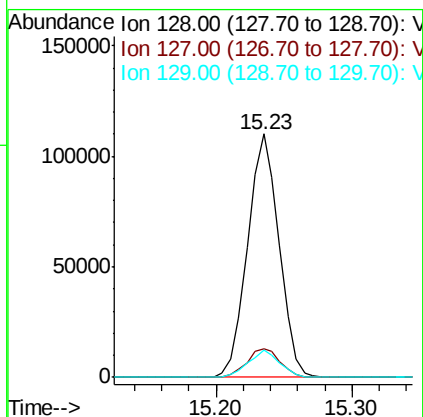
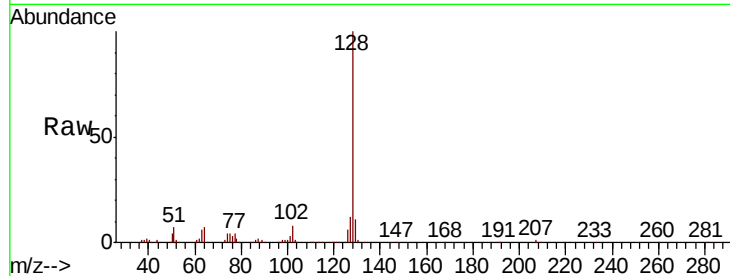
#95
Naphthalene
Concen: 21.474 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178387		
127	12.3		9.6	14.4
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.231 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000379.D
Acq: 23 Oct 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74580		
182	92.9		46.5	139.5
145	30.7		16.2	48.5

