

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002459.D
 Acq On : 23 Apr 2020 13:09
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:37 PM

Quant Time: Apr 23 13:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	284374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	416073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	386045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	175658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	369540	151.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.98%	
35) Dibromofluoromethane	7.75	113	347209	150.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.10%	
50) Toluene-d8	10.20	98	1380800	149.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.50%	
62) 4-Bromofluorobenzene	12.49	95	466278	150.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	300116	144.216	ug/l	97
3) Chloromethane	2.13	50	375122	141.728	ug/l	98
4) Vinyl Chloride	2.26	62	301539	158.105	ug/l	99
5) Bromomethane	2.65	94	193209	173.654	ug/l	88
6) Chloroethane	2.80	64	157841	152.571	ug/l	99
7) Trichlorofluoromethane	3.14	101	546278	165.009	ug/l	100
8) Diethyl Ether	3.55	74	231570	181.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	370875	160.611	ug/l	99
10) Methyl Iodide	4.11	142	562442	154.393	ug/l	99
11) Tert butyl alcohol	5.00	59	182440	807.492	ug/l	98
12) 1,1-Dichloroethene	3.90	96	381930	162.941	ug/l	97
13) Acrolein	3.76	56	167366	985.694	ug/l	99
14) Allyl chloride	4.50	41	534892	150.663	ug/l	99
15) Acrylonitrile	5.20	53	535830	803.434	ug/l	99
16) Acetone	3.97	43	447507	890.345	ug/l	99
17) Carbon Disulfide	4.22	76	1144747	151.527	ug/l	98
18) Methyl Acetate	4.50	43	255100	155.862	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	1021255	157.548	ug/l	99
20) Methylene Chloride	4.75	84	390815	132.513	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	402766	147.723	ug/l	95
22) Diisopropyl ether	6.15	45	1036660	148.693	ug/l	100
23) Vinyl Acetate	6.09	43	3468773	785.107	ug/l	98
24) 1,1-Dichloroethane	6.05	63	623975	146.432	ug/l	99
25) 2-Butanone	7.02	43	639606	827.337	ug/l	98
26) 2,2-Dichloropropane	7.01	77	609719	149.764	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	438986	148.016	ug/l	99
28) Bromochloromethane	7.36	49	235806	142.453	ug/l	99
29) Tetrahydrofuran	7.38	42	417139	809.648	ug/l	100
30) Chloroform	7.53	83	670041	148.205	ug/l	99
31) Cyclohexane	7.81	56	590559	138.855	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	649871	151.604	ug/l	100
36) 1,1-Dichloropropene	7.94	75	533186	150.852	ug/l	99
37) Ethyl Acetate	7.10	43	287566	164.456	ug/l	98
38) Carbon Tetrachloride	7.92	117	627799	154.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	706487	153.483	ug/l	99
40) Benzene	8.19	78	1550870	151.984	ug/l	99
41) Methacrylonitrile	7.35	41	162300m	147.358	ug/l	
42) 1,2-Dichloroethane	8.26	62	456966	154.239	ug/l	99
43) Isopropyl Acetate	8.30	43	542531	165.704	ug/l	98
44) Trichloroethene	8.96	130	480140	150.135	ug/l	100
45) 1,2-Dichloropropane	9.24	63	355649	151.660	ug/l	98
46) Dibromomethane	9.33	93	214890	156.515	ug/l	99
47) Bromodichloromethane	9.52	83	532625	155.155	ug/l	100
48) Methyl methacrylate	9.31	41	249445	167.284	ug/l	98
49) 1,4-Dioxane	9.32	88	57481	3354.587	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	1420661	839.624	ug/l	99
52) Toluene	10.26	92	1013946	154.797	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	580386	160.969	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	644638	156.339	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	315759	155.889	ug/l	99
56) Ethyl methacrylate	10.52	69	448946	163.801	ug/l	99
57) 1,3-Dichloropropane	10.80	76	534527	156.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	1045239	785.453	ug/l	99
59) 2-Hexanone	10.85	43	1016617	864.594	ug/l	100
60) Dibromochloromethane	11.00	129	422568	159.407	ug/l	99
61) 1,2-Dibromoethane	11.10	107	315791	157.552	ug/l	99
64) Tetrachloroethene	10.74	164	523595	149.204	ug/l	100
65) Chlorobenzene	11.53	112	1119030	151.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	429384	155.151	ug/l	100
67) Ethyl Benzene	11.61	91	2030108	154.448	ug/l	99
68) m/p-Xylenes	11.72	106	1559041	308.065	ug/l	99
69) o-Xylene	12.04	106	689715	145.898	ug/l	99
70) Styrene	12.06	104	1218070	148.301	ug/l	99
71) Bromoform	12.22	173	277016	159.774	ug/l #	100
73) Isopropylbenzene	12.34	105	1976195	174.182	ug/l	99
74) N-amyl acetate	12.16	43	494187	187.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	311689	181.414	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	257664m	179.489	ug/l	
77) Bromobenzene	12.62	156	494584	174.270	ug/l	99
78) n-propylbenzene	12.68	91	2273118	172.399	ug/l	100
79) 2-Chlorotoluene	12.77	91	1256263	174.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	1657356	171.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	140243	182.332	ug/l	95
82) 4-Chlorotoluene	12.86	91	1204780	159.202	ug/l	100
83) tert-Butylbenzene	13.09	119	1369580	161.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1373112	142.735	ug/l	98
85) sec-Butylbenzene	13.27	105	1698652	146.991	ug/l	99
86) p-Isopropyltoluene	13.38	119	1670005	152.393	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	812468	150.080	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	821284	153.397	ug/l	99
89) n-Butylbenzene	13.70	91	1591814	160.183	ug/l	99
90) Hexachloroethane	13.97	117	315408	161.421	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	588598	121.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	62159	182.310	ug/l	97

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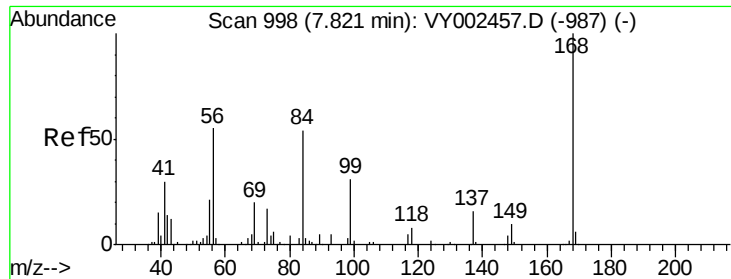
Manual Integrations
APPROVED

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4/24/2020 1:33:37 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	607645	170.382	ug/l	99
94) Hexachlorobutadiene	15.12	225	357132	165.571	ug/l	99
95) Naphthalene	15.25	128	1207689	184.398	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	527927	175.102	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 284374

Ion Ratio Lower Upper

168 100

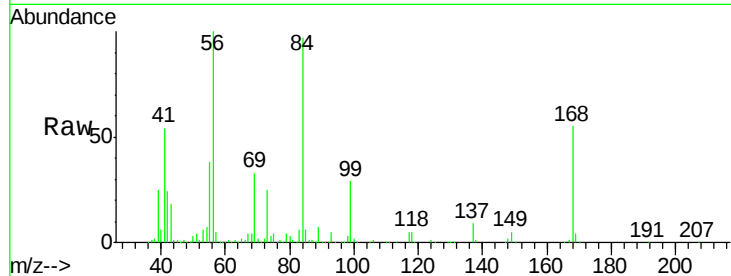
99 51.9 39.7 59.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

150000

100000

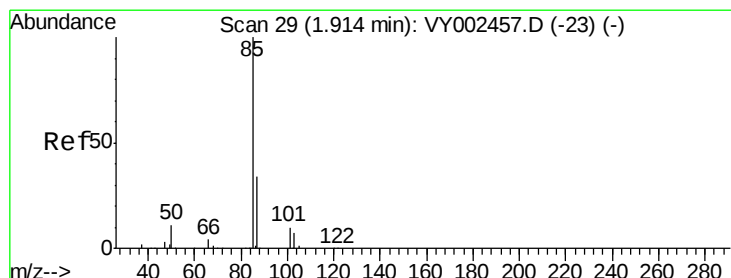
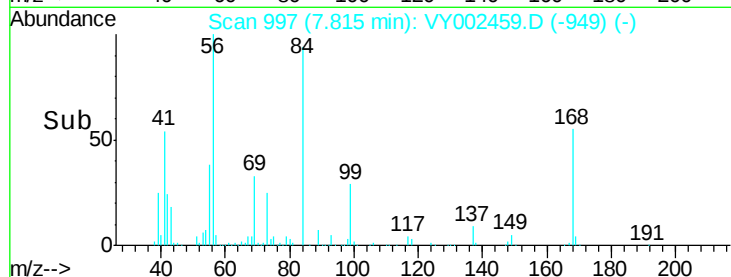
50000

0

7.70 7.80 7.90

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 144.216 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002459.D

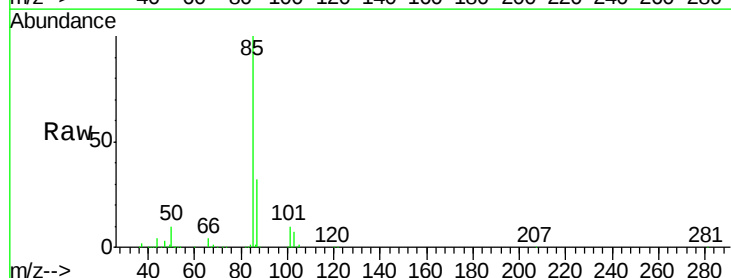
Acq: 23 Apr 2020 13:09

Tgt Ion: 85 Resp: 300116

Ion Ratio Lower Upper

85 100

87 32.3 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002457.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY002457.D (-23) (-)

200000

150000

100000

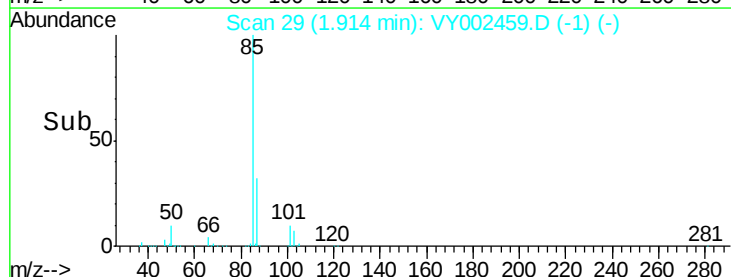
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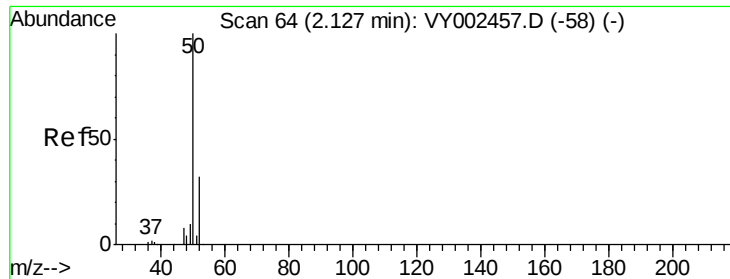
0

1.80 1.90 2.00 2.10

1.91

Time-->





#3

Chloromethane

Concen: 141.728 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 375122

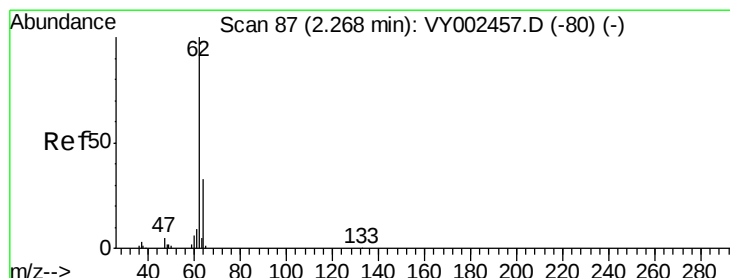
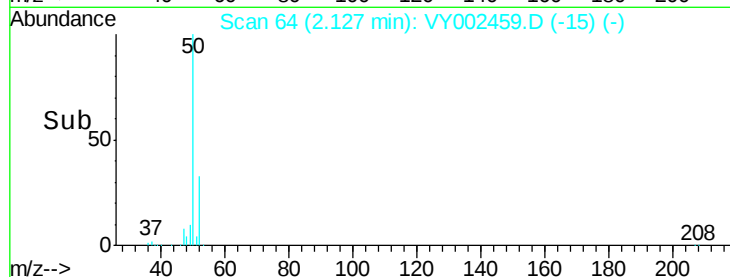
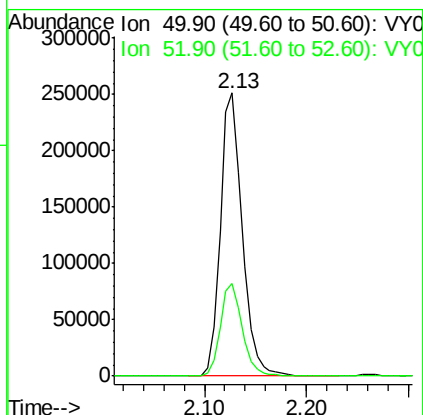
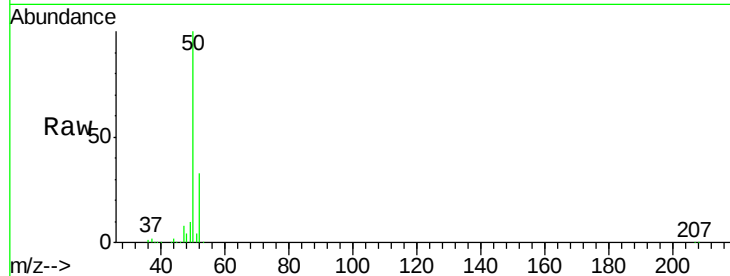
Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 158.105 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002459.D

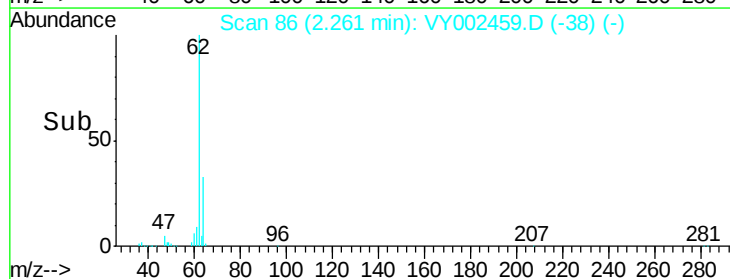
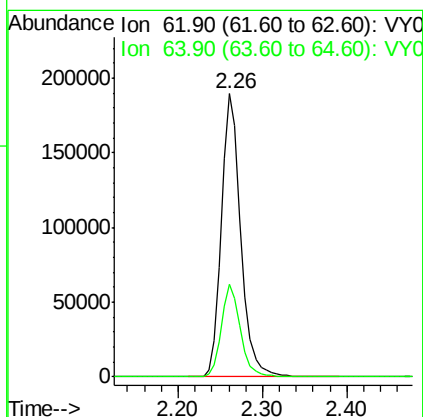
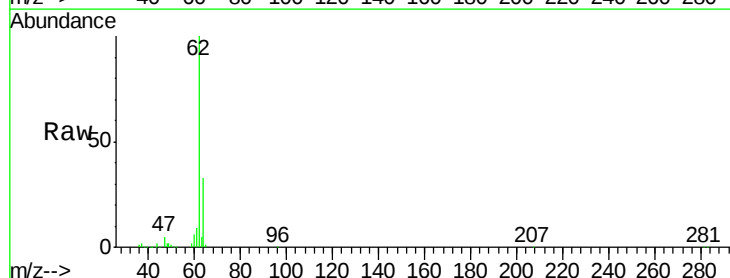
Acq: 23 Apr 2020 13:09

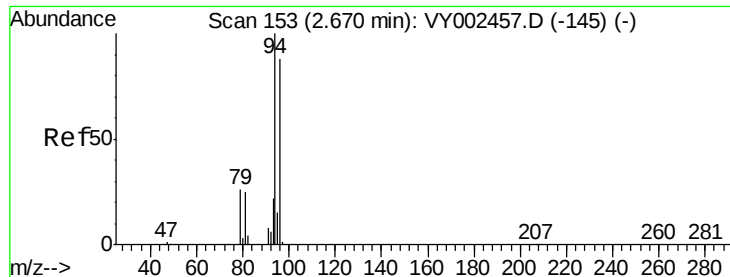
Tgt Ion: 62 Resp: 301539

Ion Ratio Lower Upper

62 100

64 32.6 26.6 39.8





#5

Bromomethane

Concen: 173.654 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 193209

Ion Ratio Lower Upper

94 100

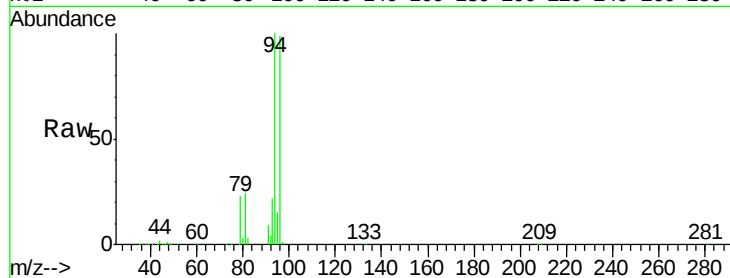
96 99.0 70.2 105.4

Manual Integrations

APPROVED

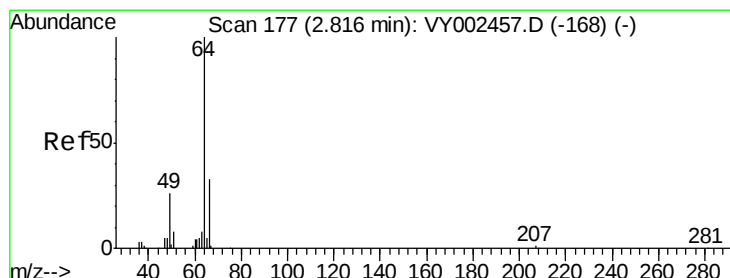
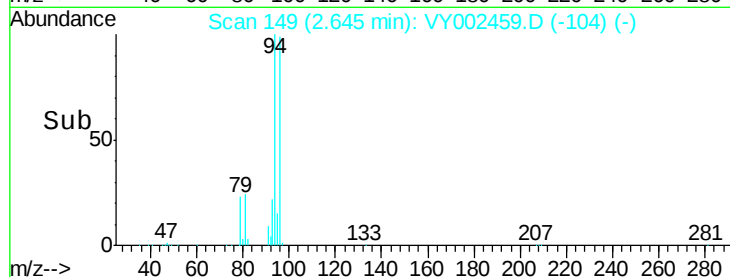
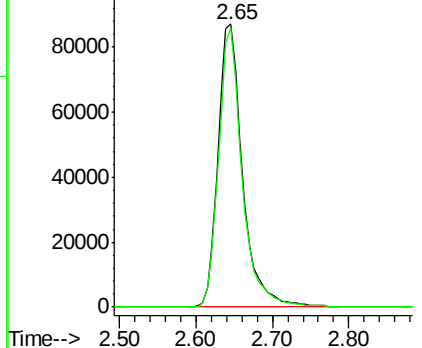
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 152.571 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002459.D

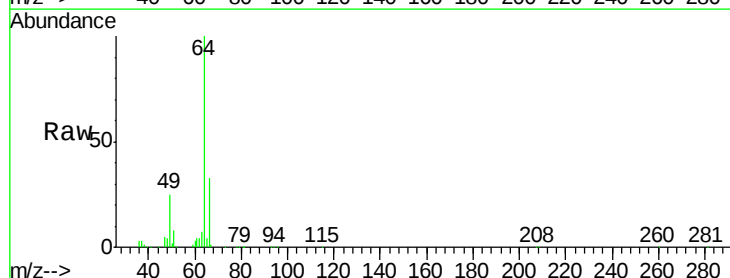
Acq: 23 Apr 2020 13:09

Tgt Ion: 64 Resp: 157841

Ion Ratio Lower Upper

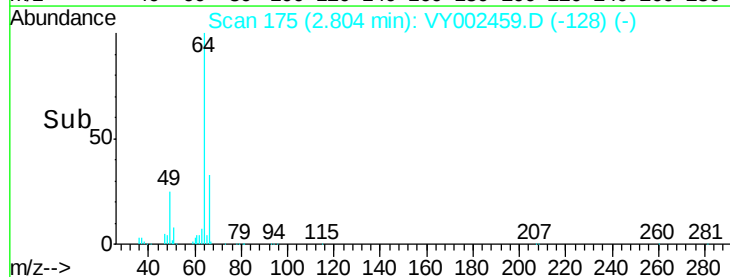
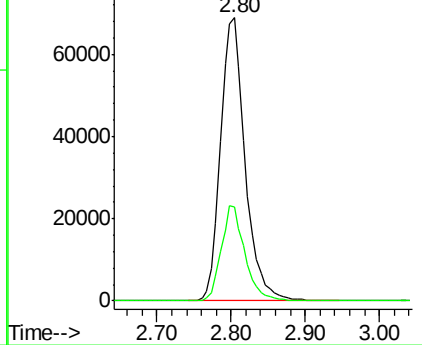
64 100

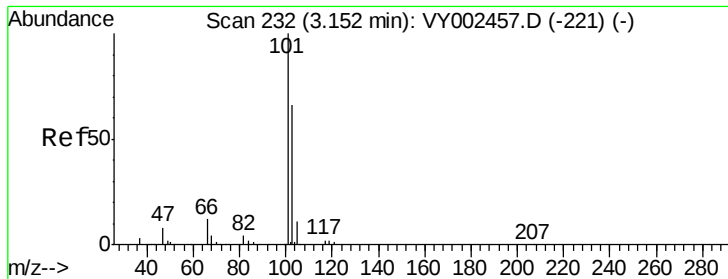
66 33.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

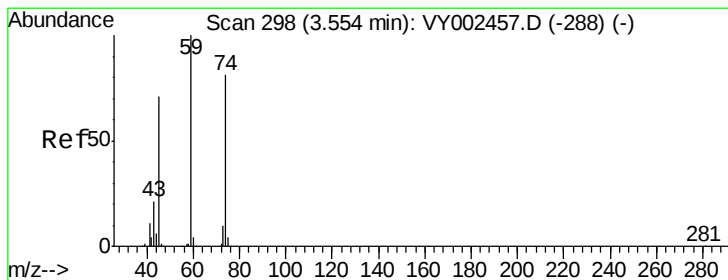
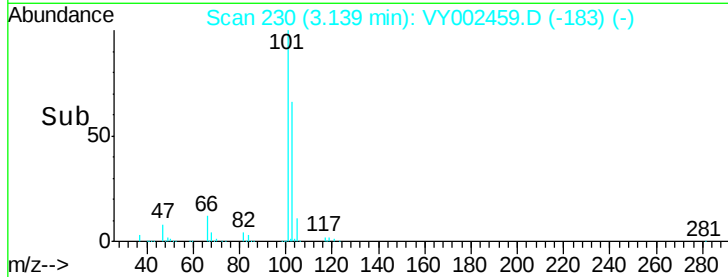
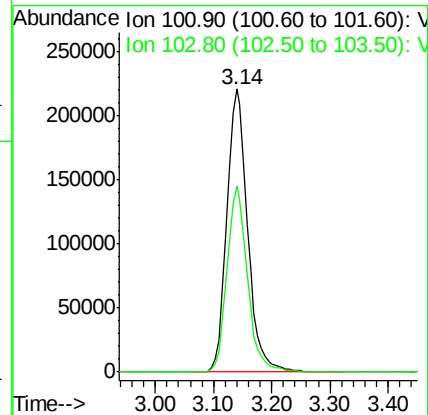
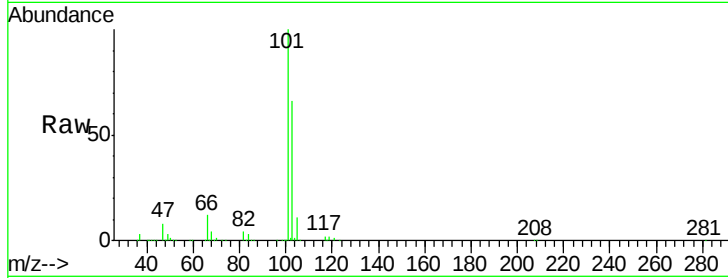
Trichlorofluoromethane
Concen: 165.009 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

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VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

Manual Integrations
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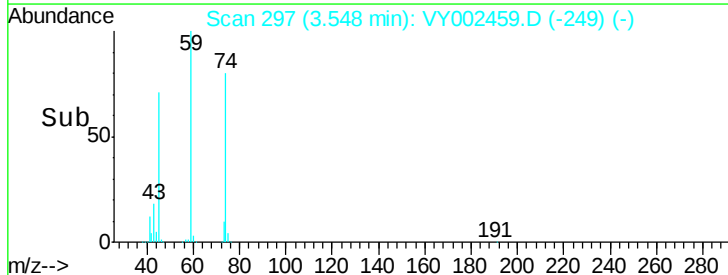
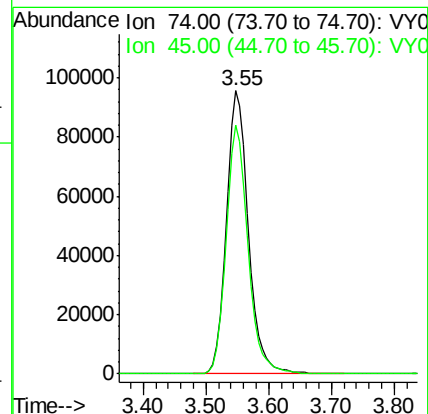
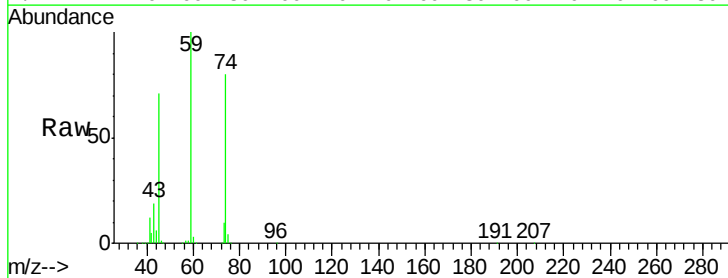
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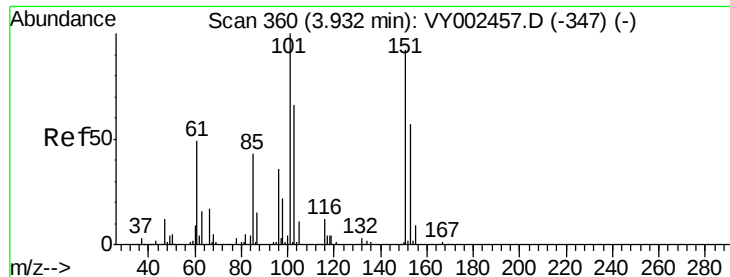


#8

Diethyl Ether
Concen: 181.756 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	44.0	132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.611 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

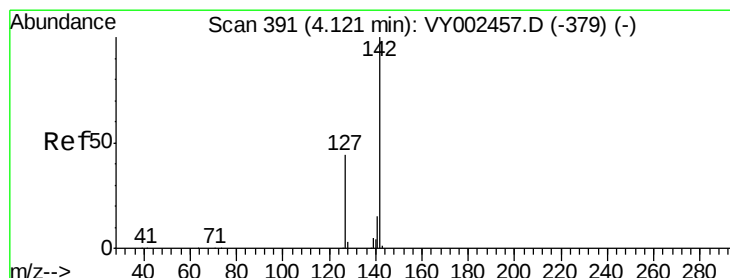
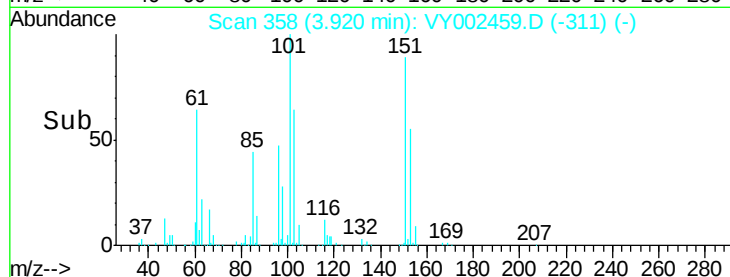
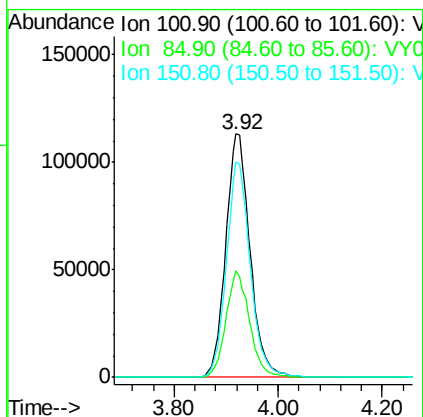
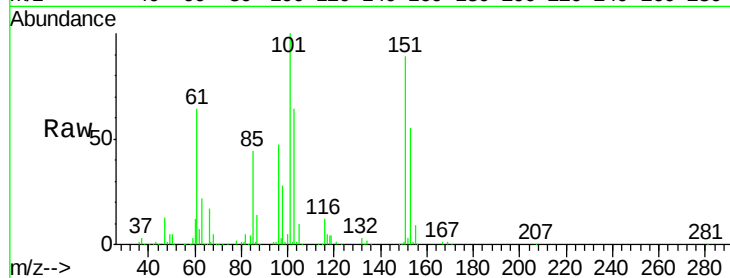
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	370875
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.1	51.1
151	87.2	70.3	105.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:37 PM



#10

Methyl Iodide

Concen: 154.393 ug/l

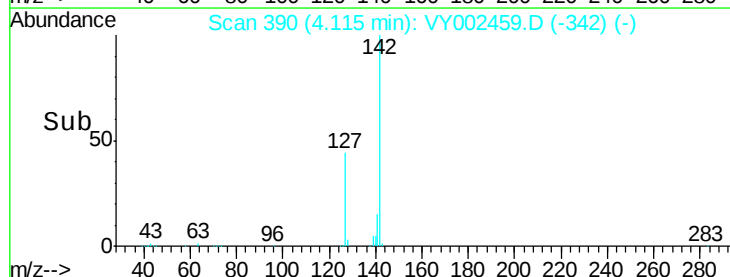
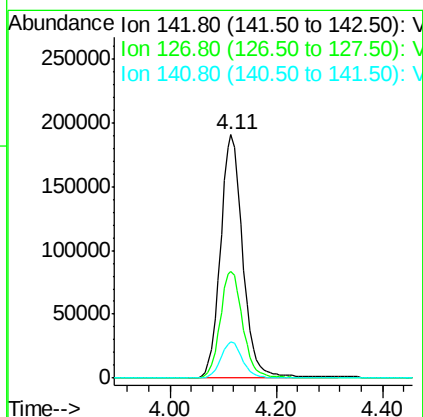
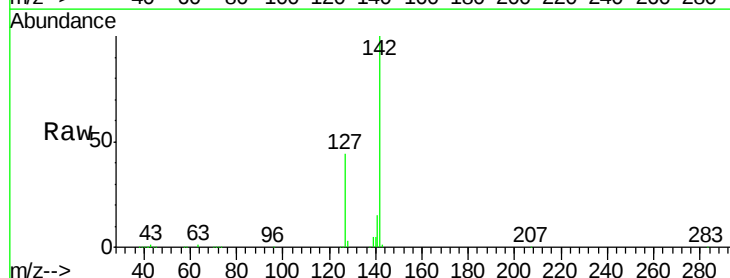
RT: 4.11 min Scan# 390

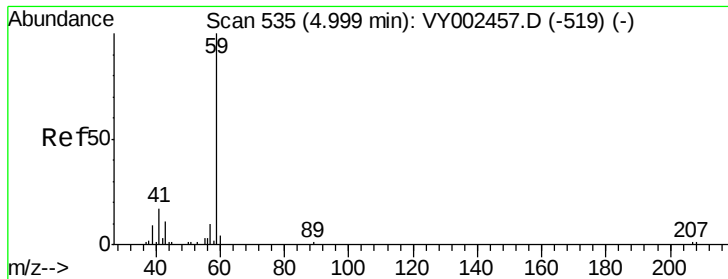
Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	142	Resp:	562442
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.8	53.8
141	14.5	11.6	17.4





#11

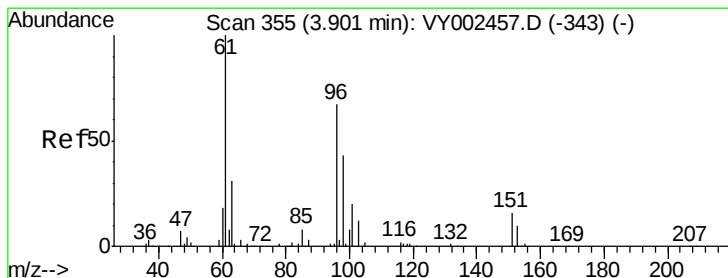
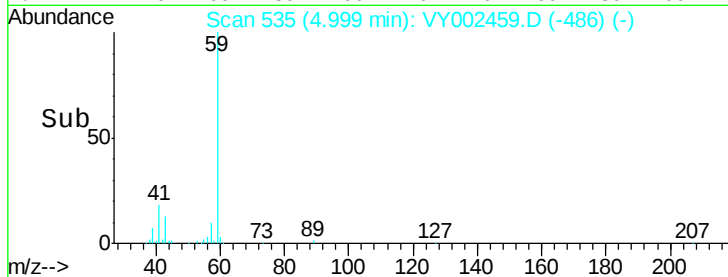
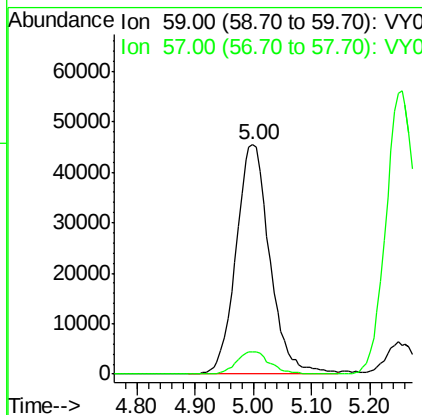
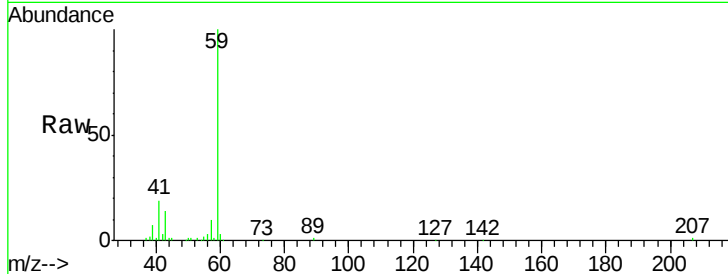
Tert butyl alcohol
Concen: 807.492 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	182440		
57	9.8		8.4	12.6

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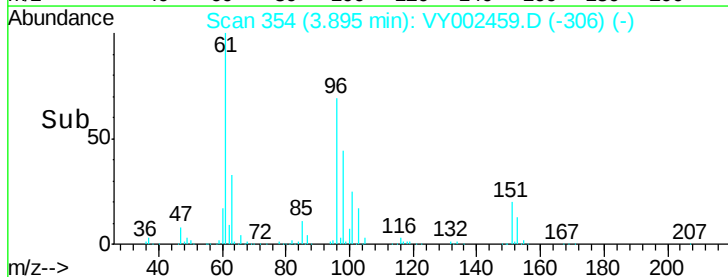
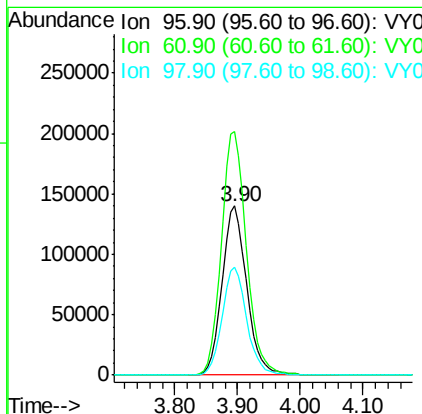
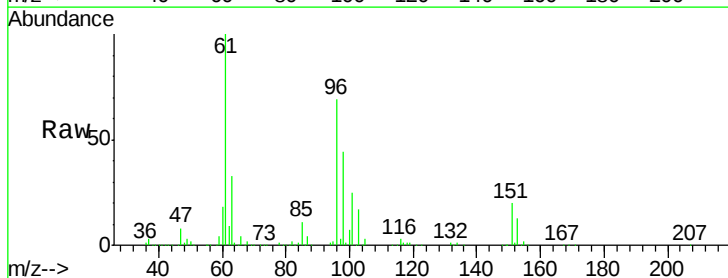
MMDadoda
4/24/2020 1:33:37 PM

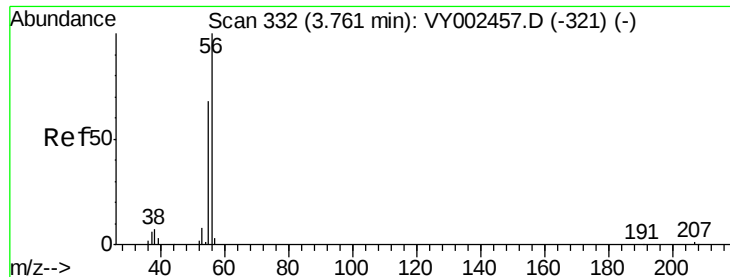


#12

1,1-Dichloroethene
Concen: 162.941 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	381930		
61	143.9		119.0	178.6
98	63.9		51.4	77.2





#13

Acrolein

Concen: 985.694 ug/l

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 167366

Ion Ratio Lower Upper

56 100

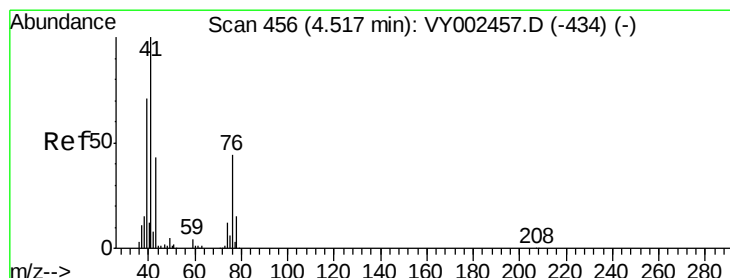
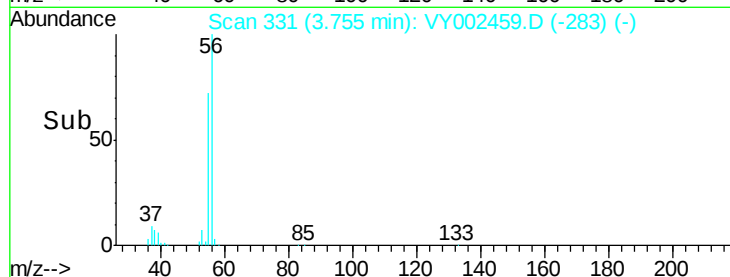
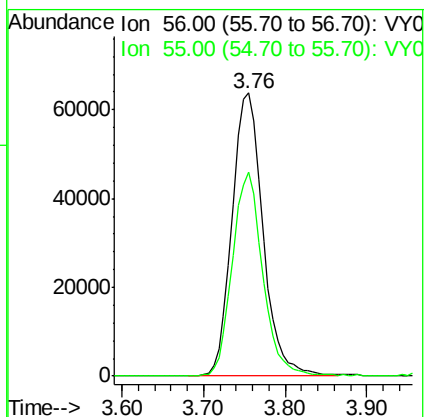
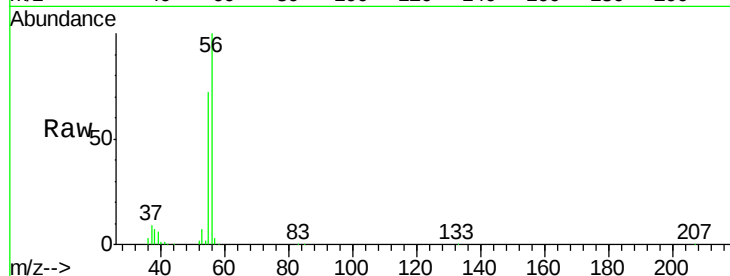
55 70.6 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:37 PM



#14

Allyl chloride

Concen: 150.663 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

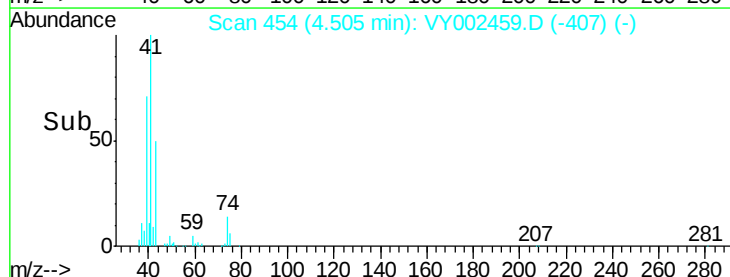
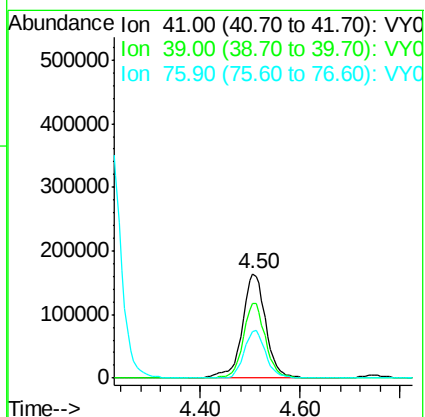
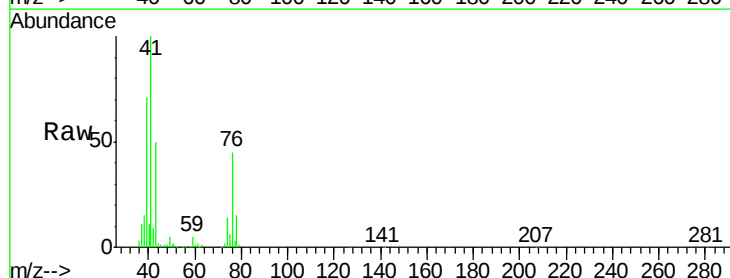
Tgt Ion: 41 Resp: 534892

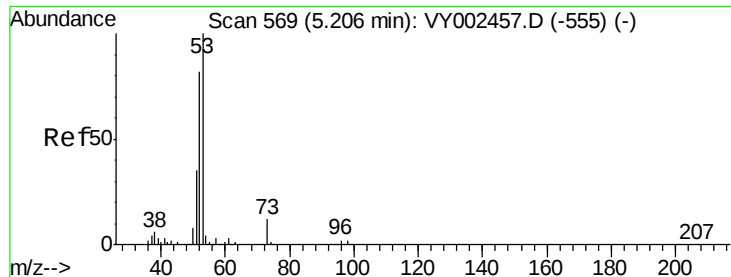
Ion Ratio Lower Upper

41 100

39 67.7 55.1 82.7

76 42.0 34.3 51.5





#15

Acrylonitrile

Concen: 803.434 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

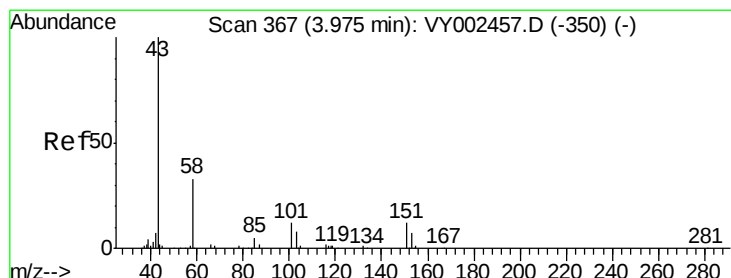
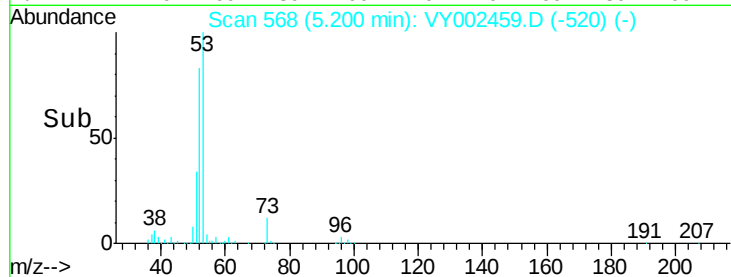
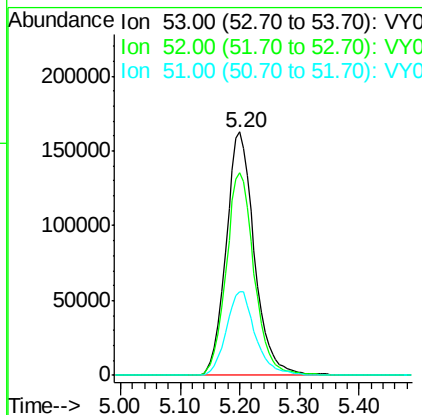
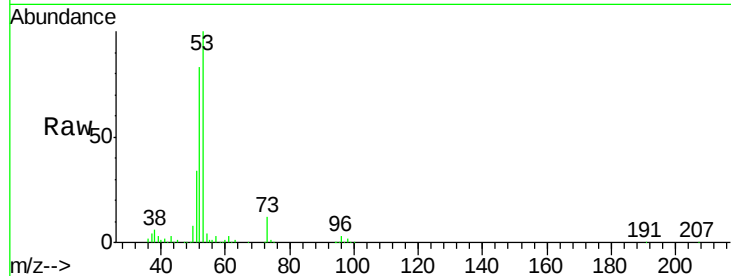
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	535830
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.4	98.2
51	35.7	28.3	42.5

Manual Integrations
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MMDadoda
4/24/2020 1:33:37 PM



#16

Acetone

Concen: 890.345 ug/l

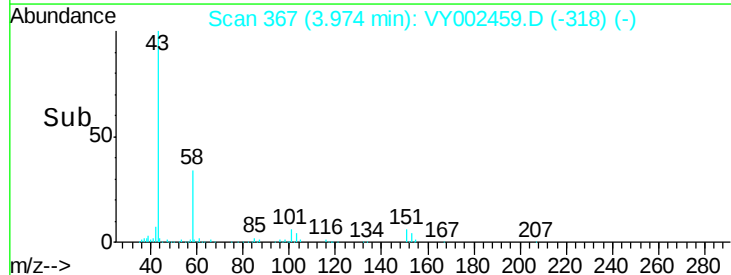
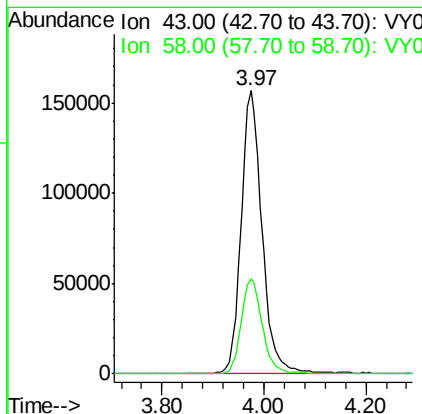
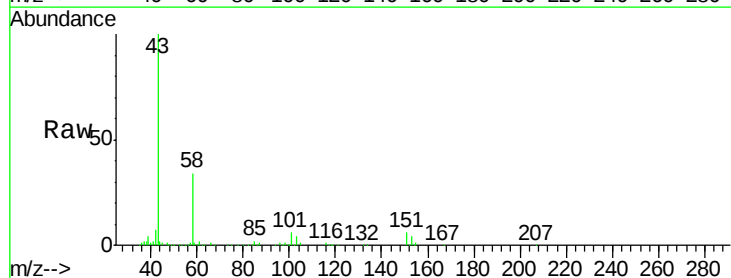
RT: 3.97 min Scan# 367

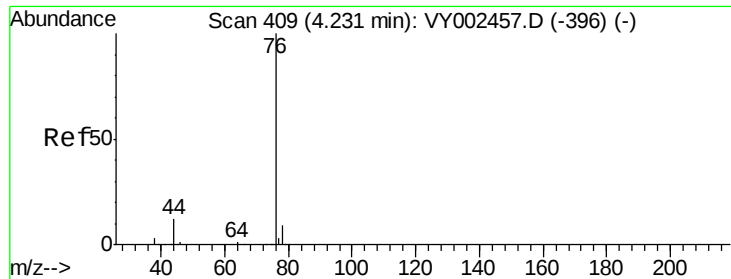
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	43	Resp:	447507
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.4	39.6





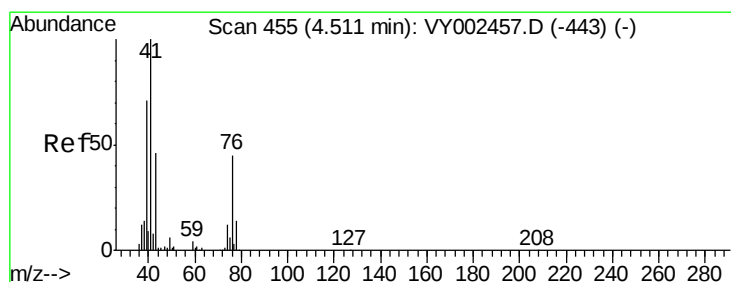
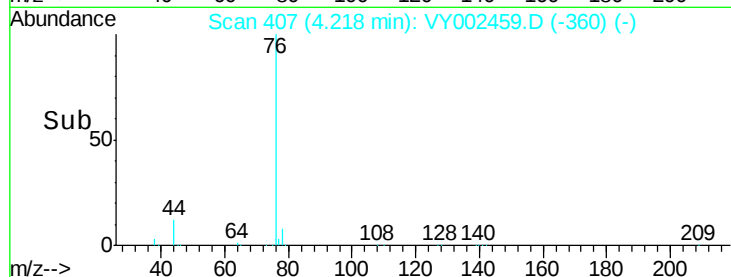
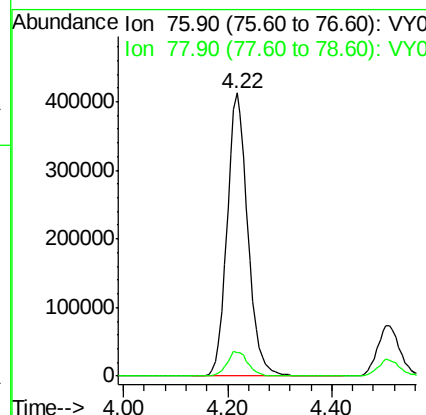
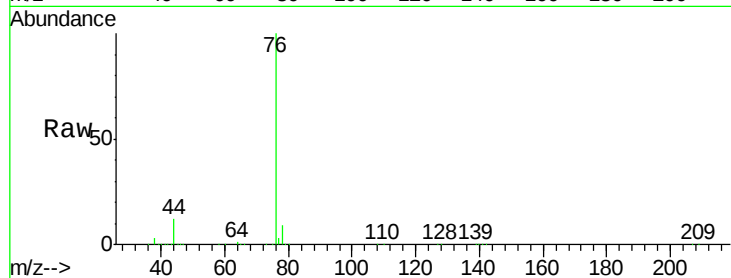
#17
Carbon Disulfide
Concen: 151.527 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1144747
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

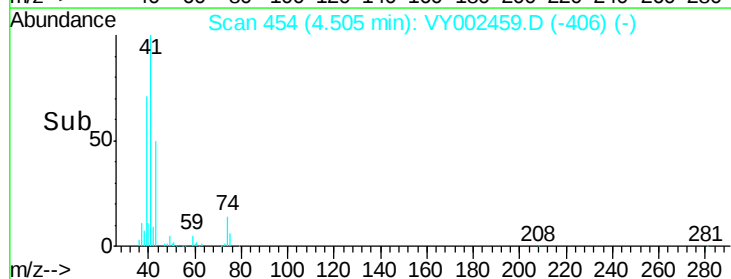
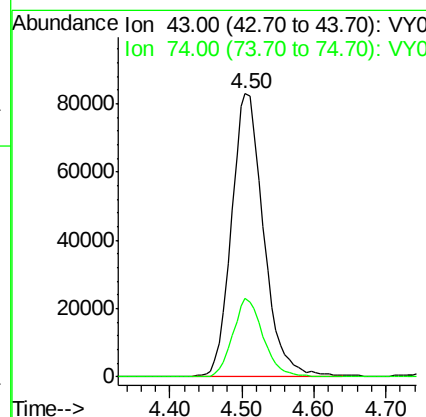
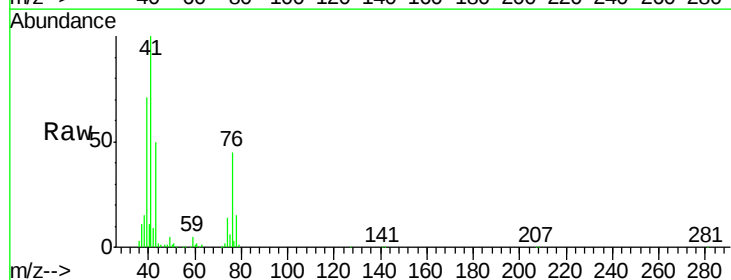
Manual Integrations
APPROVED

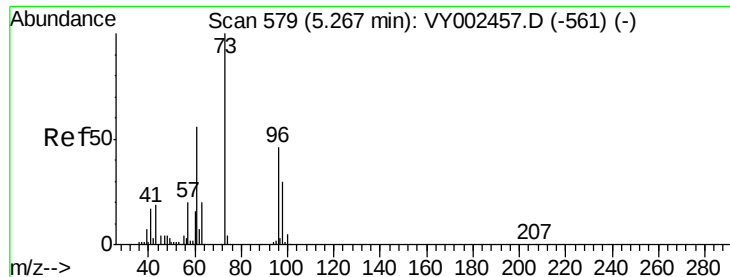
MMDadoda
4/24/2020 1:33:37 PM



#18
Methyl Acetate
Concen: 155.862 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 43 Resp: 255100
Ion Ratio Lower Upper
43 100
74 26.6 22.0 33.0





#19

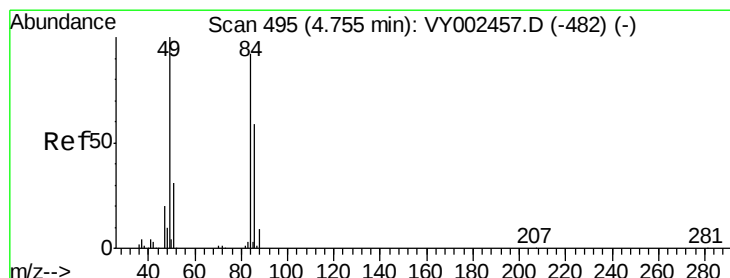
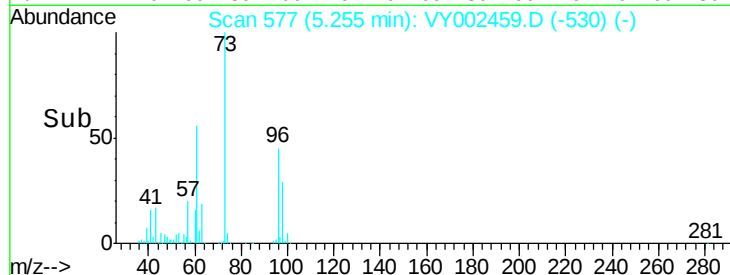
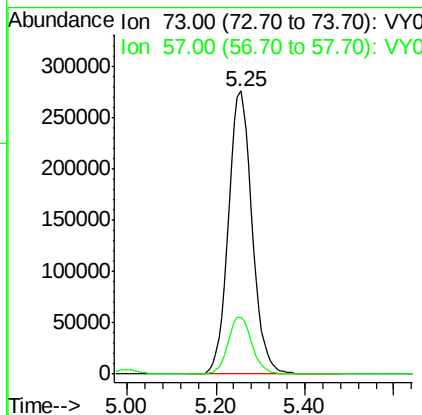
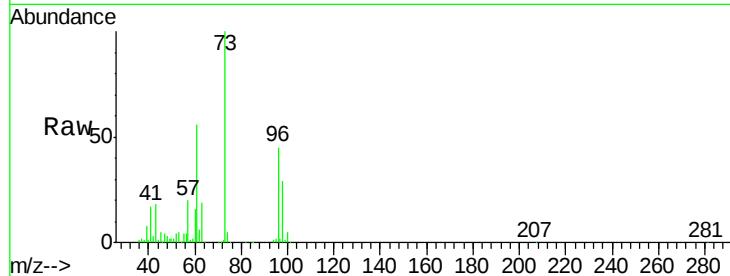
Methyl tert-butyl Ether
 Concen: 157.548 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1021255
 Ion Ratio Lower Upper
 73 100
 57 20.3 16.0 24.0

Manual Integrations
 APPROVED

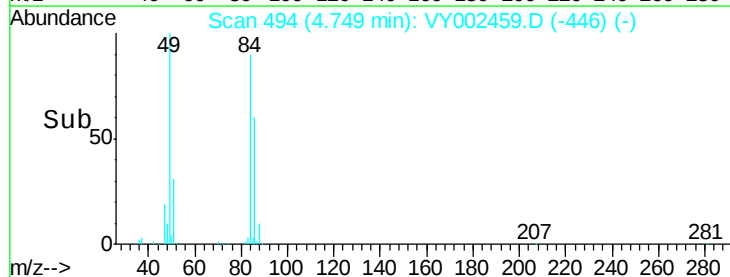
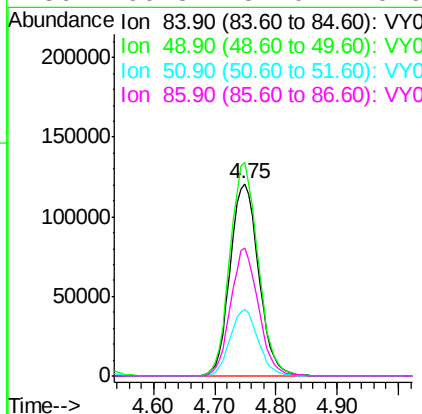
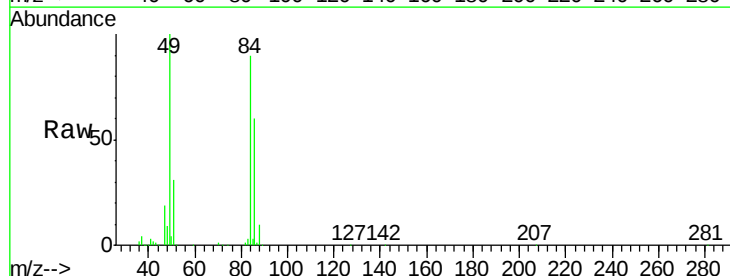
MMDadoda
 4/24/2020 1:33:37 PM

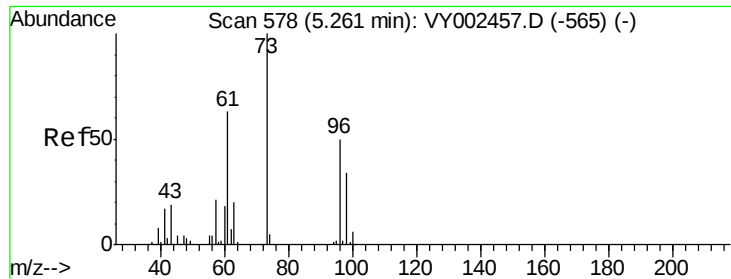


#20

Methylene Chloride
 Concen: 132.513 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion: 84 Resp: 390815
 Ion Ratio Lower Upper
 84 100
 49 111.1 86.9 130.3
 51 35.0 27.3 40.9
 86 66.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 147.723 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

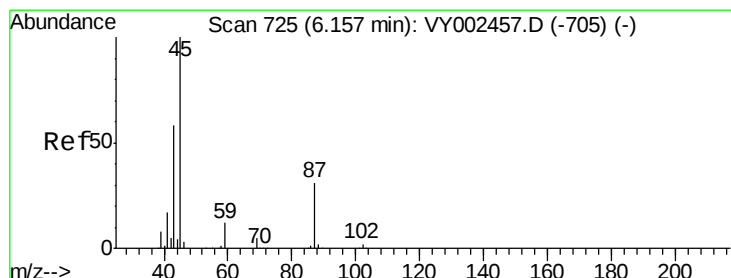
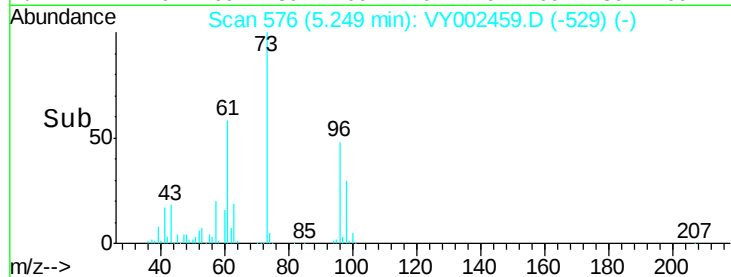
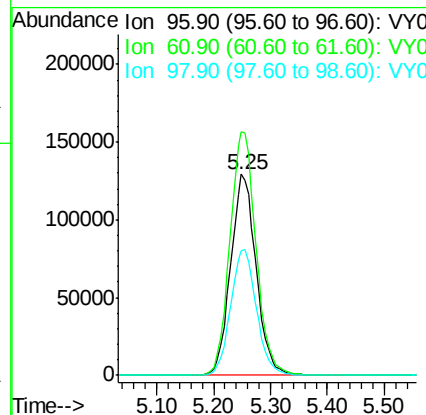
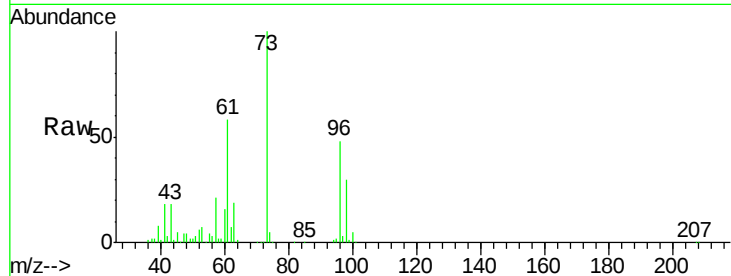
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	402766
Ion	Ratio	Lower	Upper
96	100		
61	121.0	101.4	152.0
98	61.8	53.6	80.4

Manual Integrations
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4/24/2020 1:33:37 PM



#22

Diisopropyl ether

Concen: 148.693 ug/l

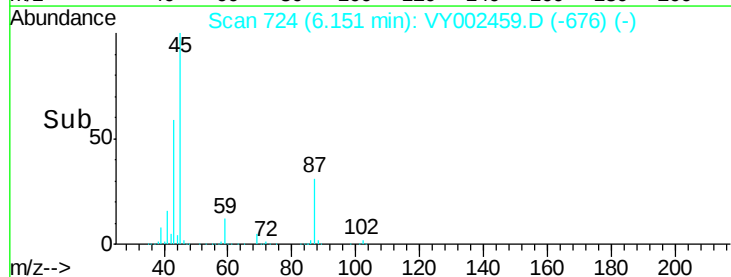
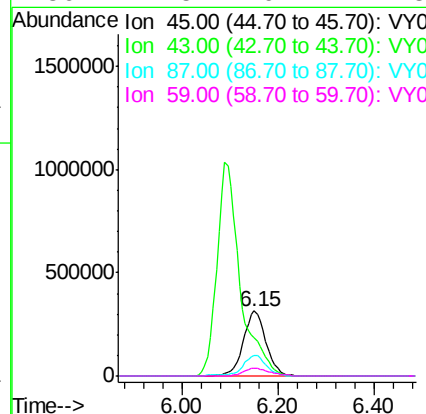
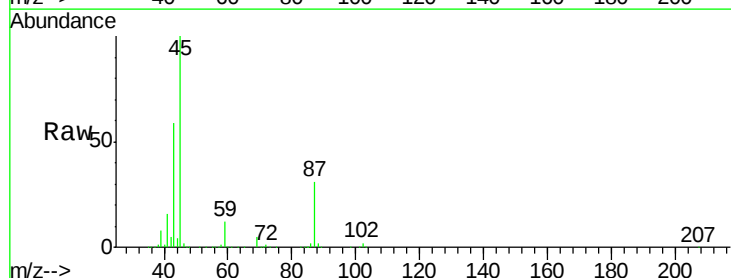
RT: 6.15 min Scan# 724

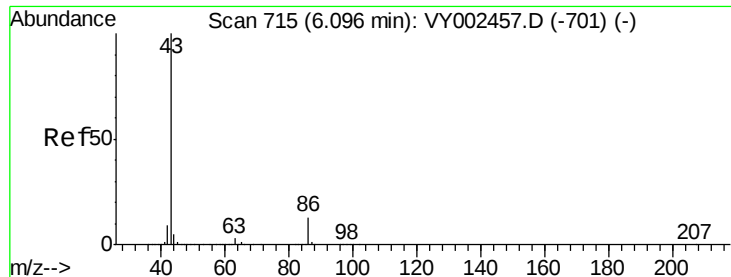
Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	45	Resp:	1036660
Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.1	70.7
87	31.1	25.0	37.6
59	11.5	9.7	14.5





#23

Vinyl Acetate

Concen: 785.107 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3468773

Ion Ratio Lower Upper

43 100

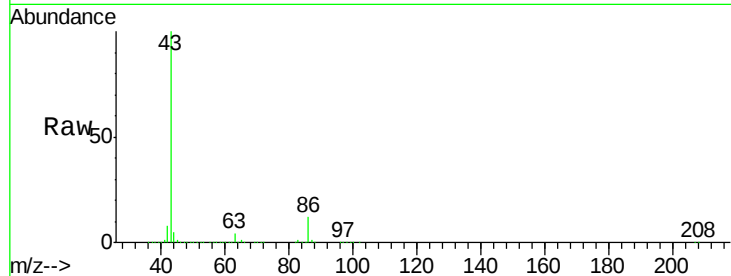
86 11.9 10.2 15.4

Manual Integrations

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MMDadoda

4/24/2020 1:33:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

1200000

1000000

800000

600000

400000

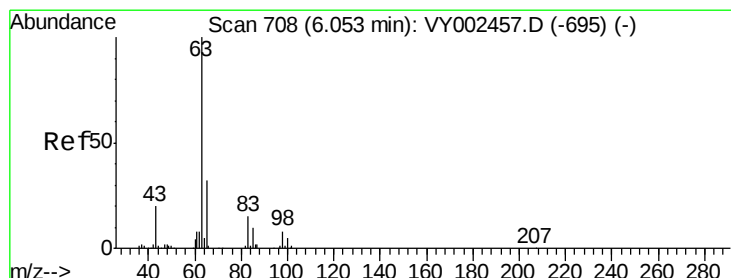
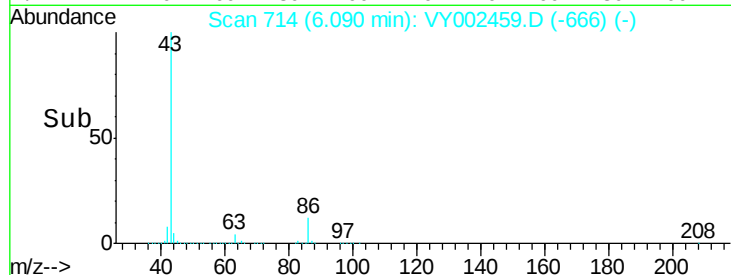
200000

0

6.09

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 146.432 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

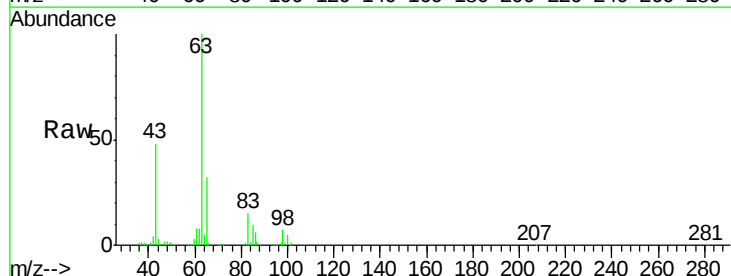
Tgt Ion: 63 Resp: 623975

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

100 5.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

250000

200000

150000

100000

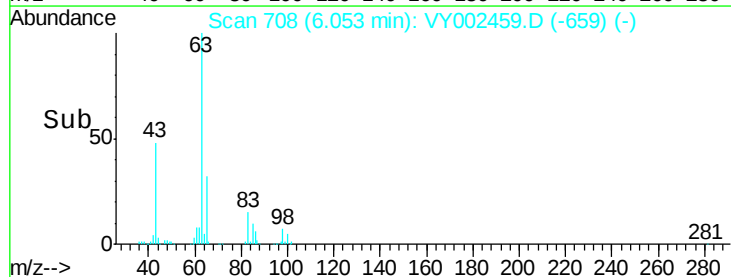
50000

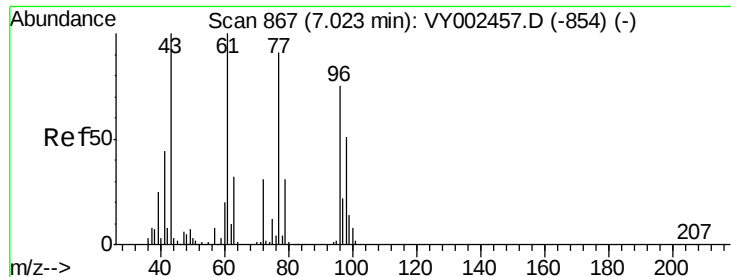
0

6.05

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 827.337 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 639606

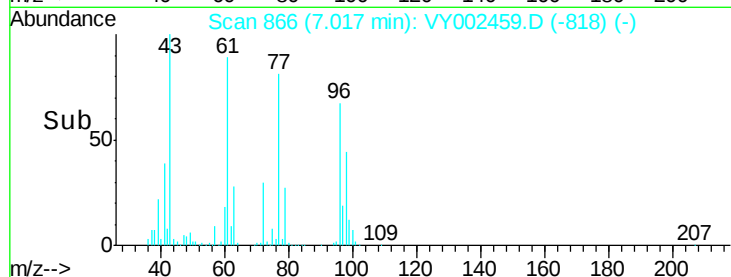
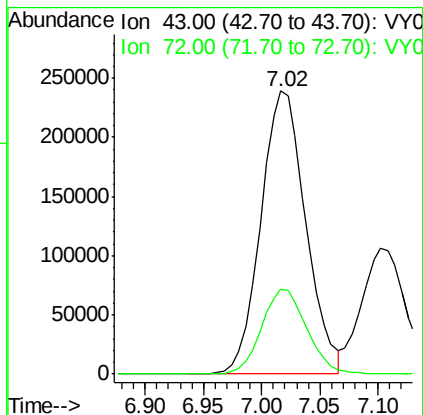
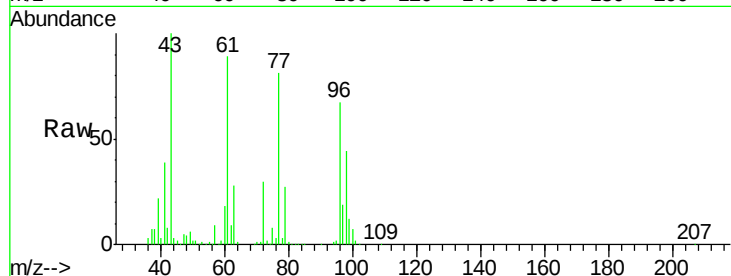
Ion Ratio Lower Upper

43 100

72 30.0 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:37 PM



#26

2,2-Dichloropropane

Concen: 149.764 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002459.D

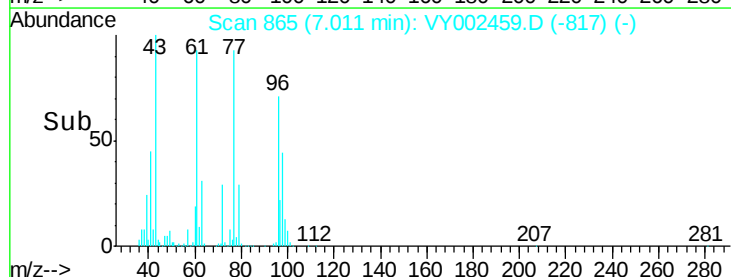
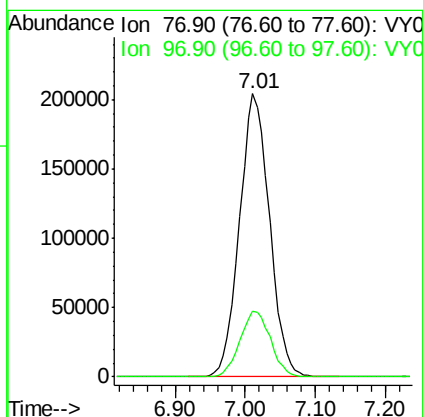
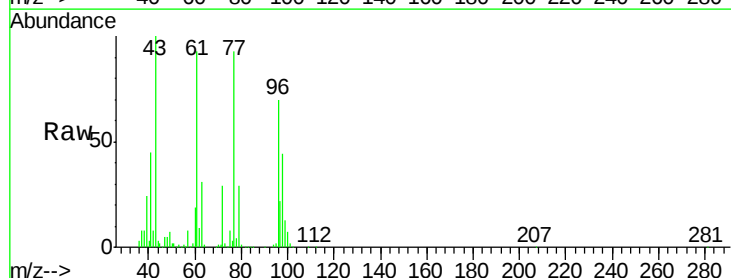
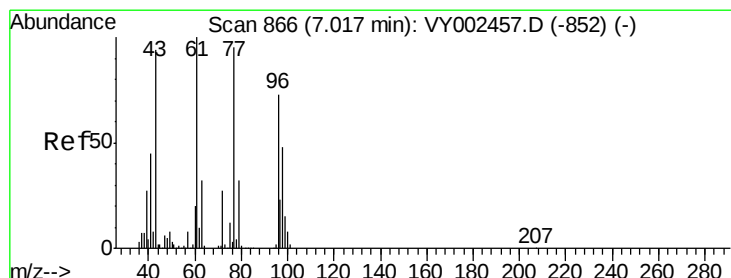
Acq: 23 Apr 2020 13:09

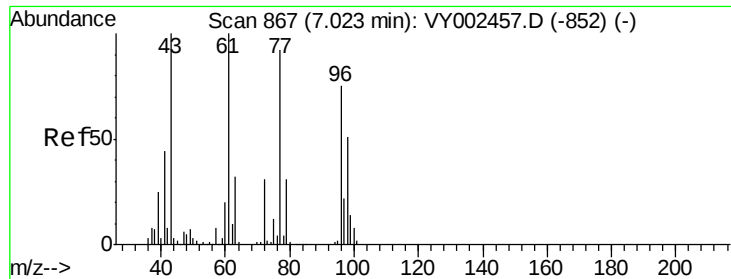
Tgt Ion: 77 Resp: 609719

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0





#27

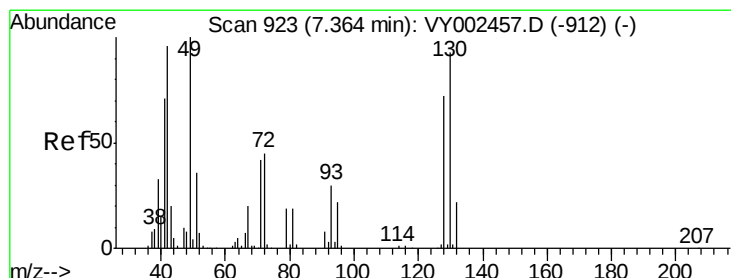
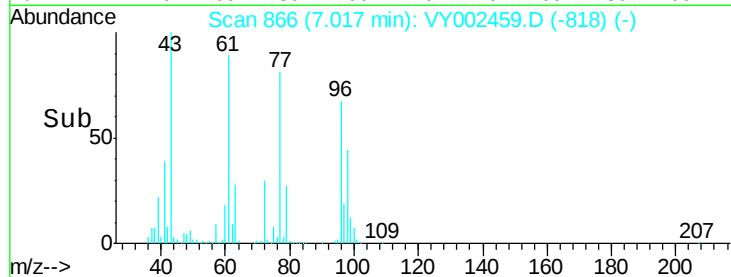
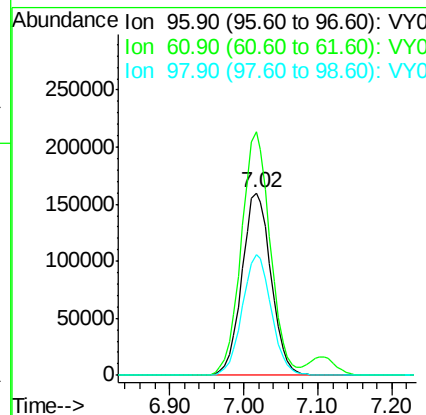
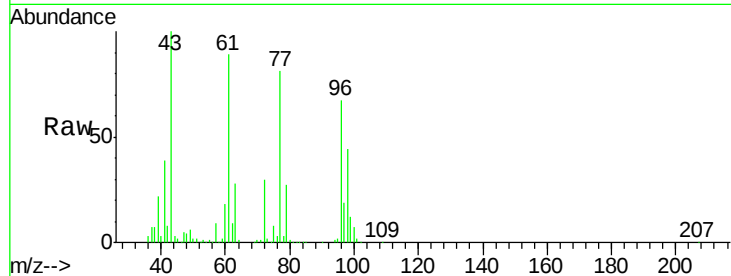
cis-1,2-Dichloroethene
 Concen: 148.016 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	438986		
61	133.1		0.0	262.6
98	65.7		0.0	131.0

Manual Integrations
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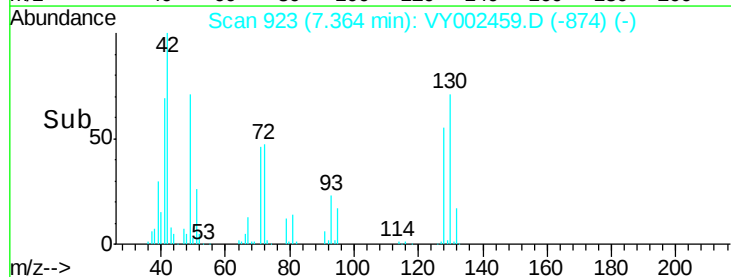
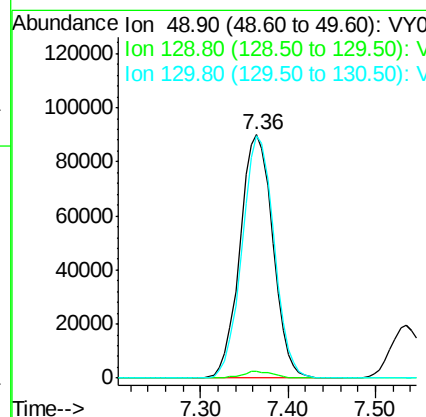
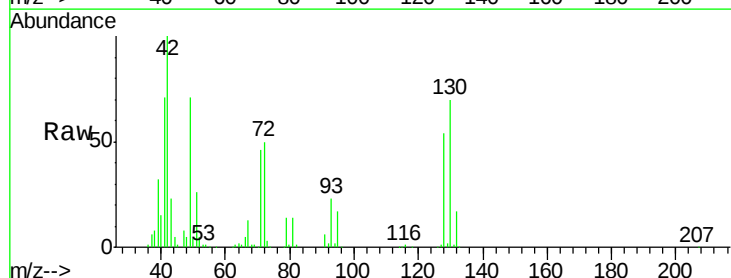
MMDadoda
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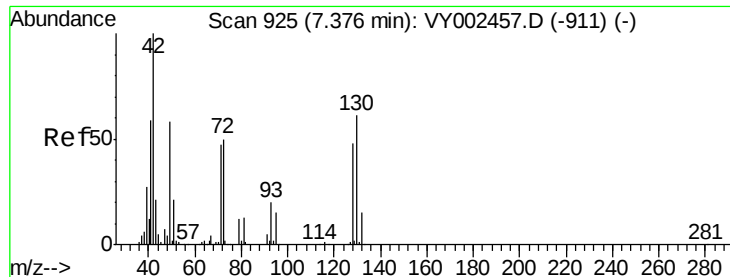


#28

Bromochloromethane
 Concen: 142.453 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	235806		
129	2.7		0.0	5.6
130	96.7		76.3	114.5





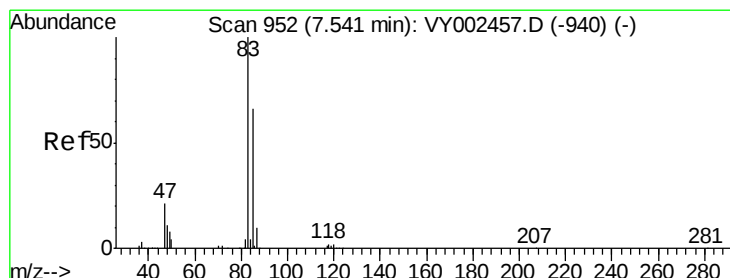
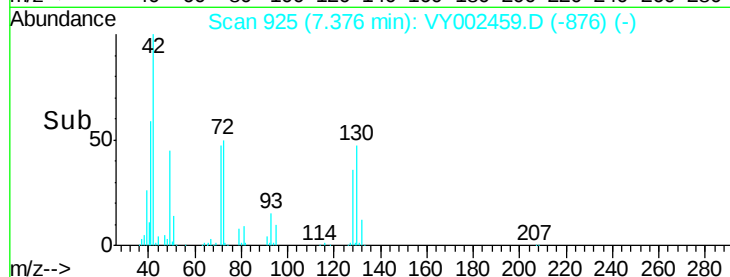
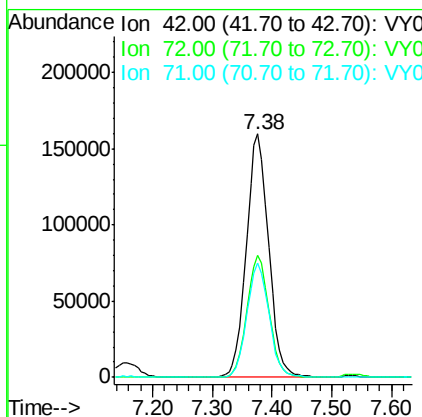
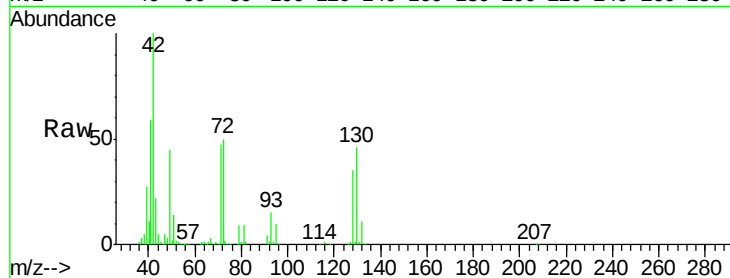
#29
Tetrahydrofuran
Concen: 809.648 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.5	59.3
71	46.4	37.6	56.4

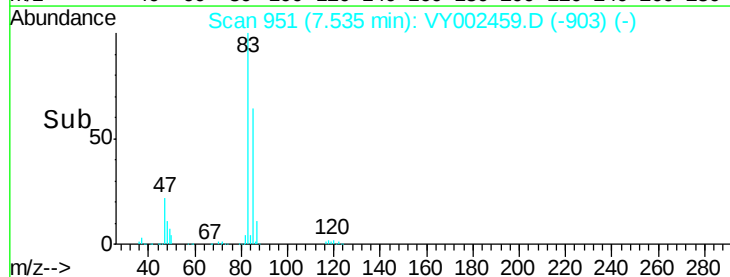
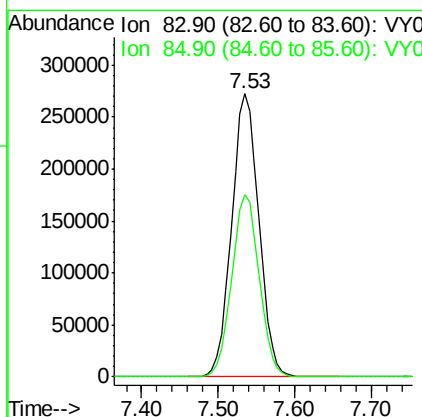
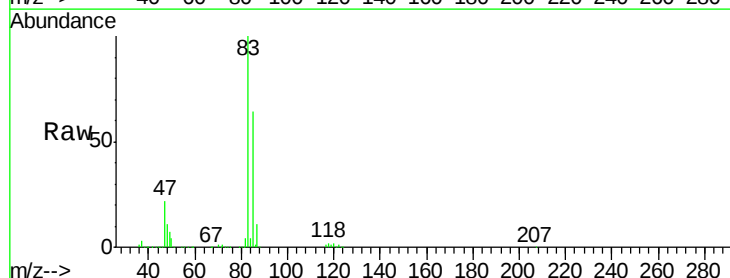
Manual Integrations
APPROVED

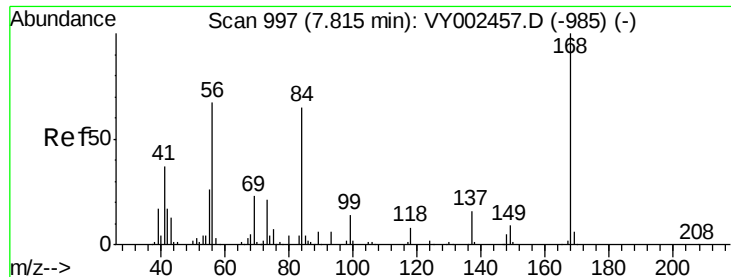
MMDadoda
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#30
Chloroform
Concen: 148.205 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





#31

Cyclohexane

Concen: 138.855 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

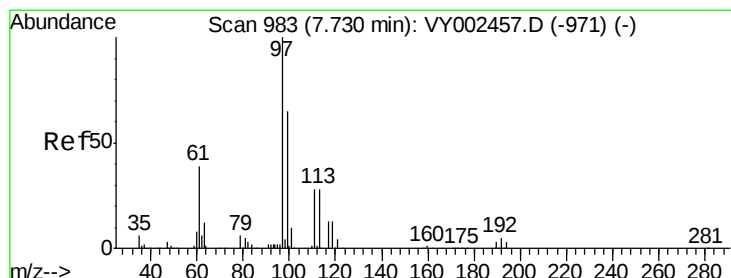
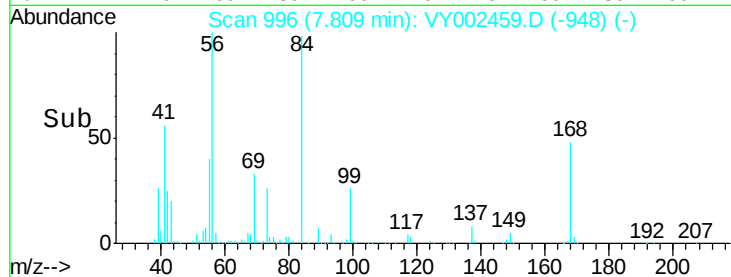
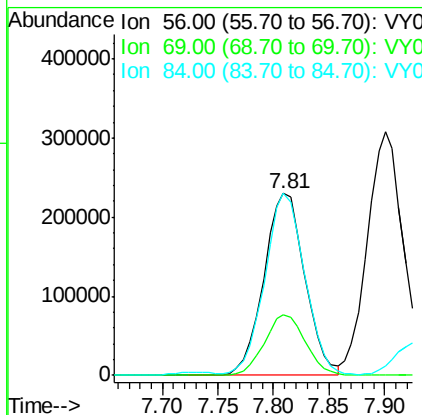
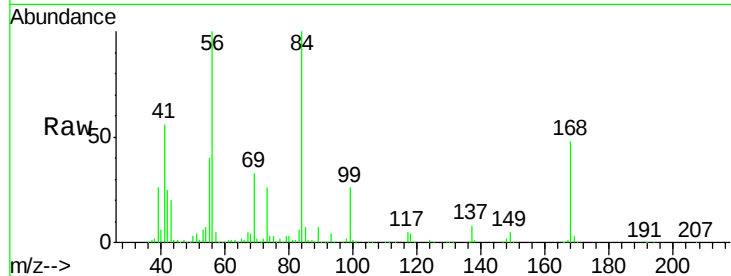
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	590559
Ion Ratio	Lower	Upper	
56	100		
69	33.4	27.0	40.6
84	98.4	77.4	116.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 151.604 ug/l

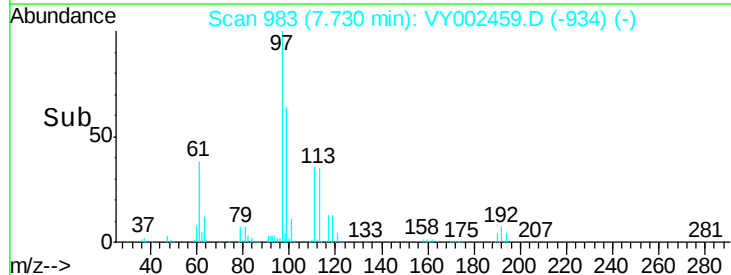
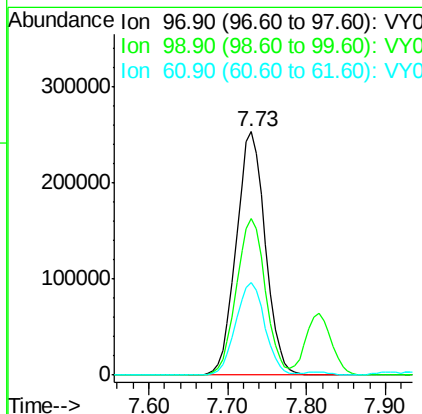
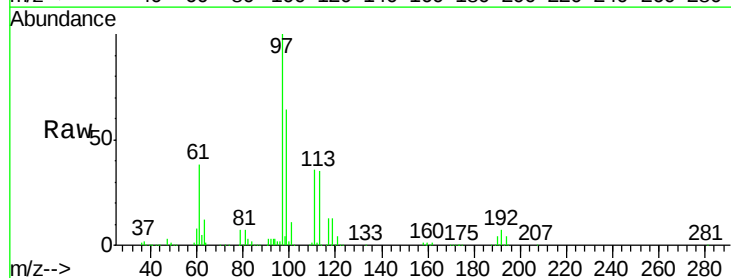
RT: 7.73 min Scan# 983

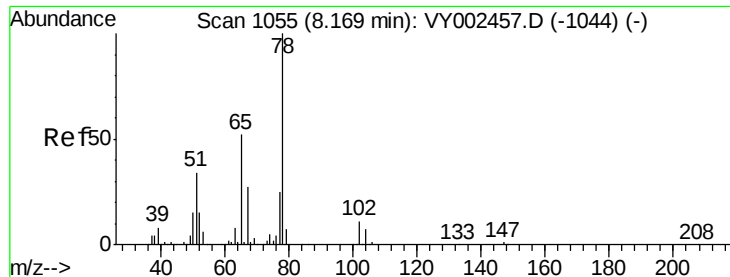
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	97	Resp:	649871
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	38.4	30.6	45.8





#33

1,2-Dichloroethane-d4

Concen: 151.486 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 369540

Ion Ratio Lower Upper

65 100

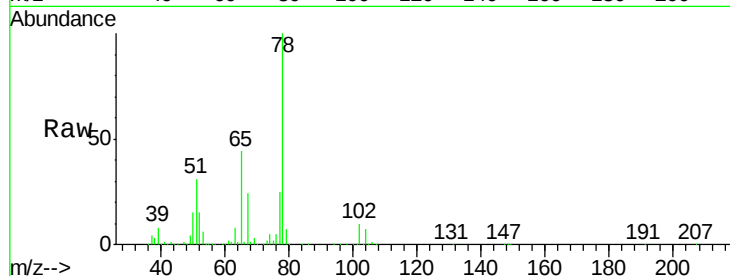
67 51.8 0.0 104.2

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.17

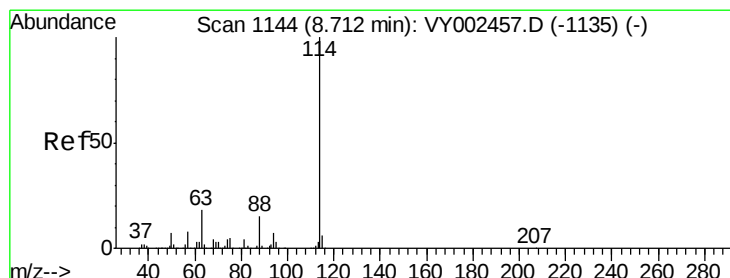
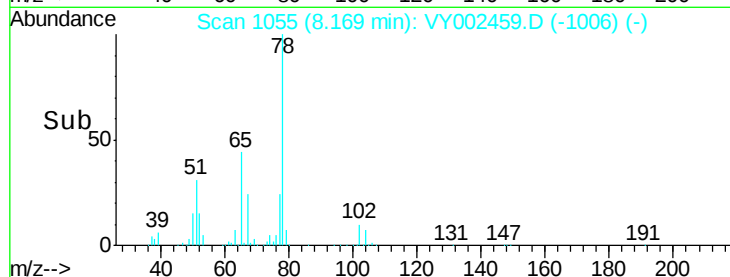
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

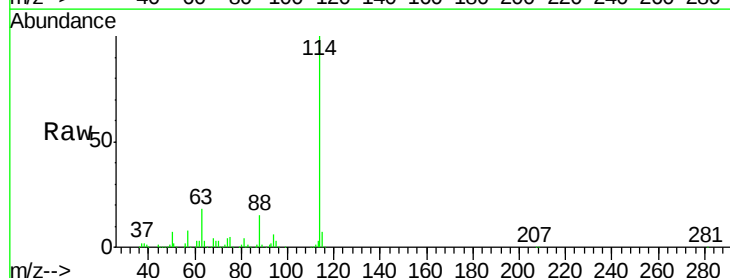
Tgt Ion: 114 Resp: 416073

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

88 14.6 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.71

250000

200000

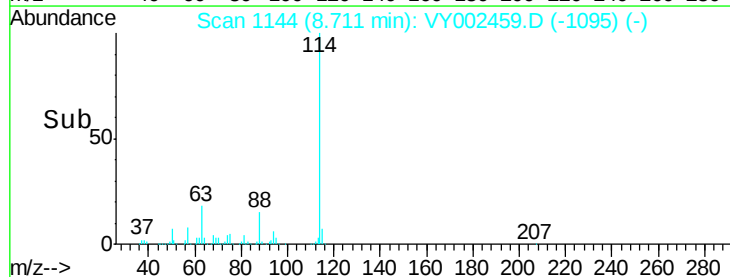
150000

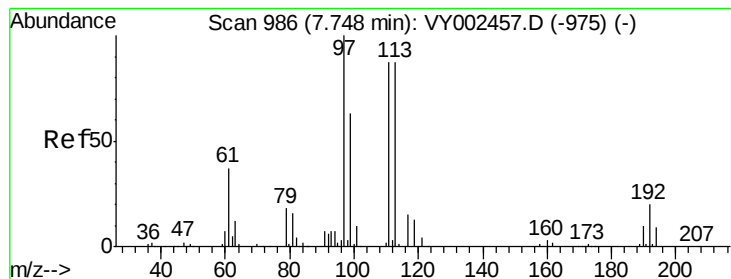
100000

50000

0

Time--> 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 150.546 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

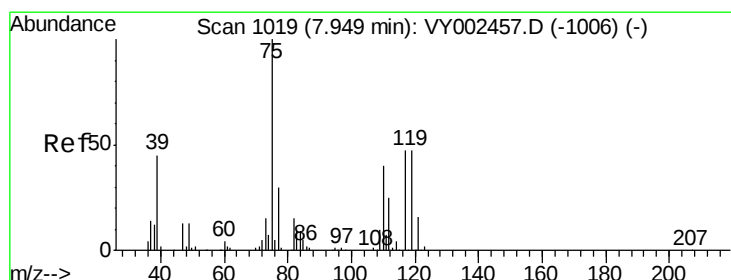
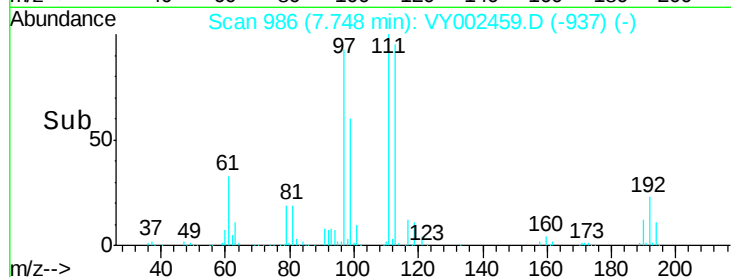
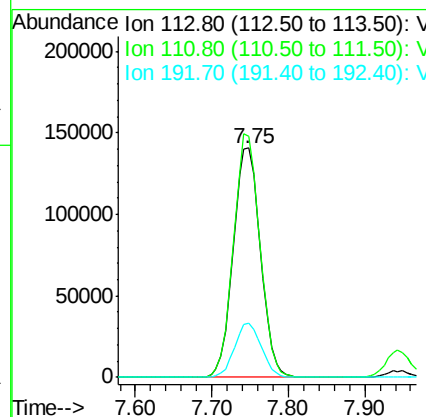
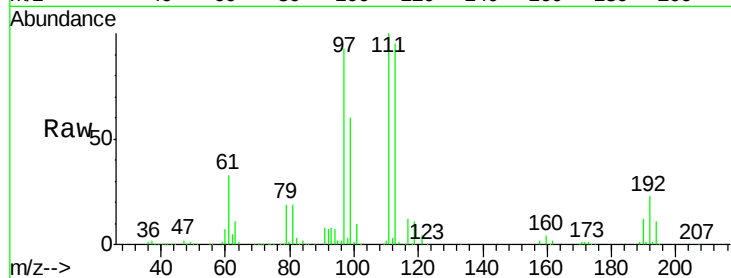
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	347209
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.0	121.4
192	23.2	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 150.852 ug/l

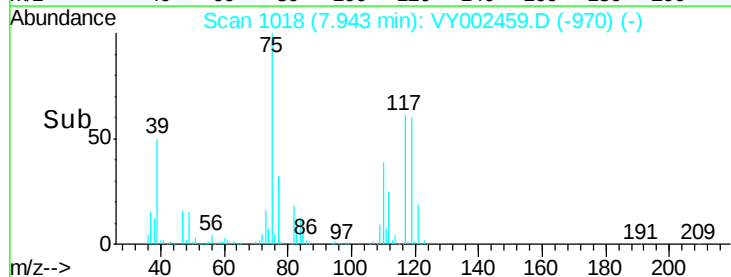
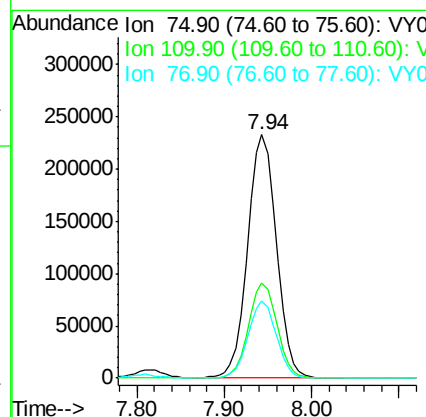
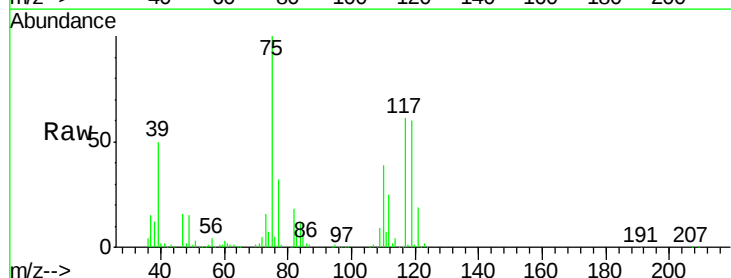
RT: 7.94 min Scan# 1018

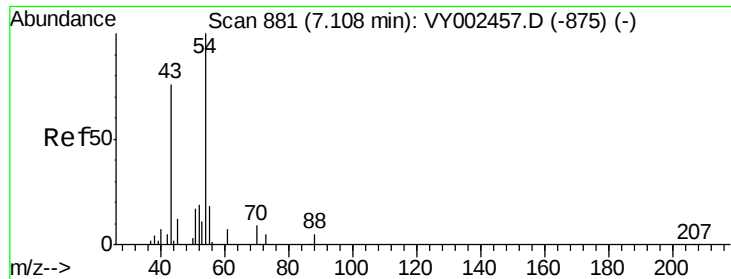
Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	75	Resp:	533186
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.4	58.4
77	31.2	24.7	37.1





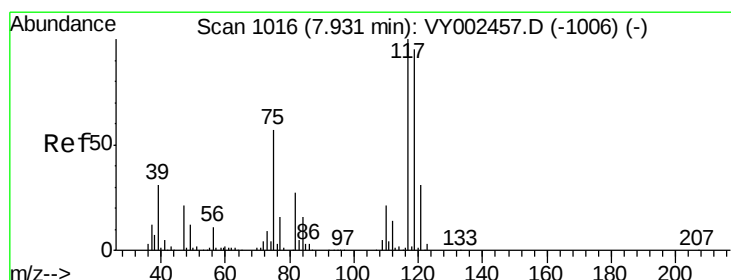
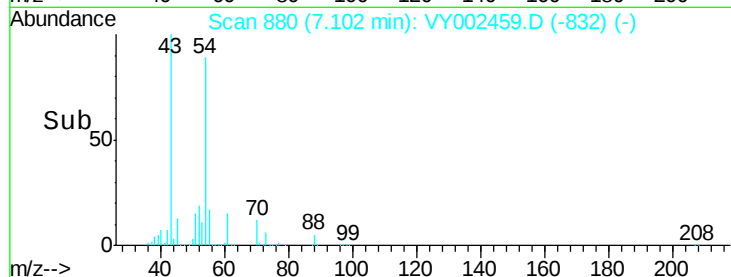
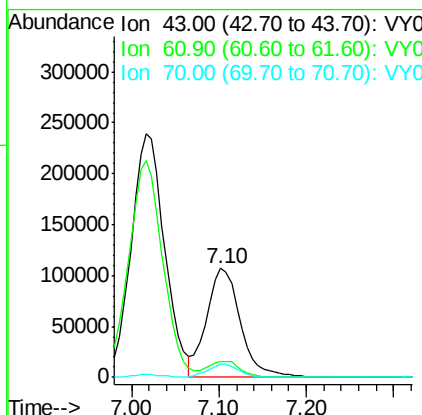
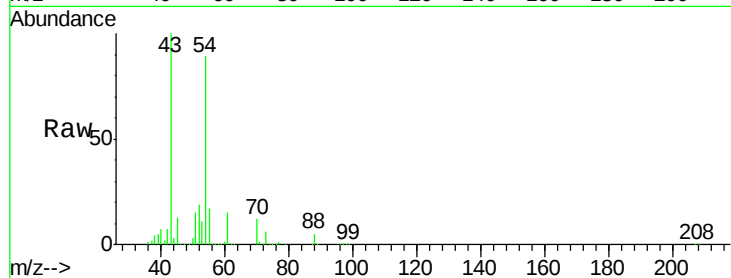
#37
Ethyl Acetate
Concen: 164.456 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	11.1	9.3	13.9

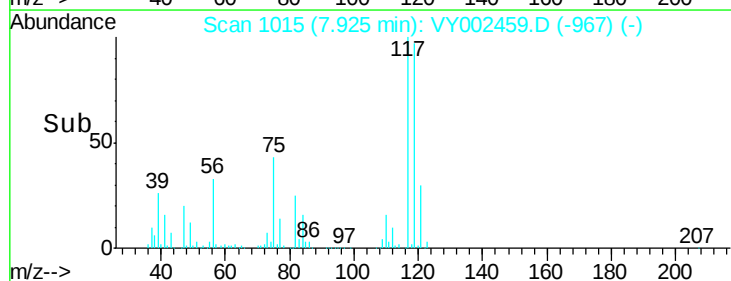
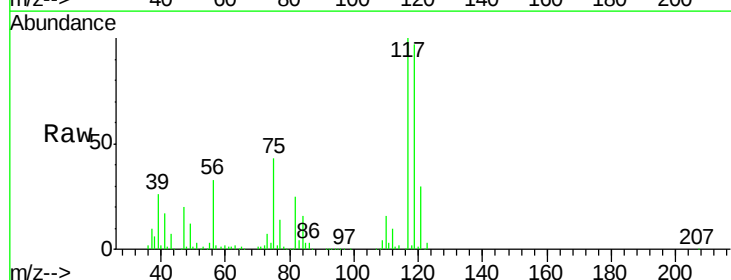
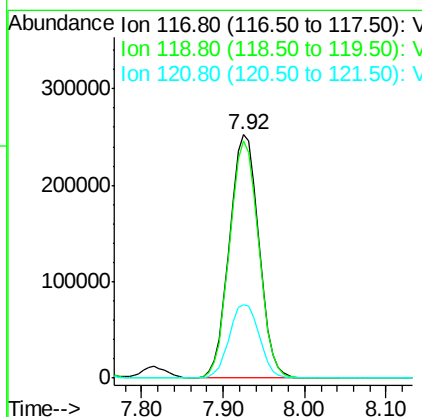
Manual Integrations
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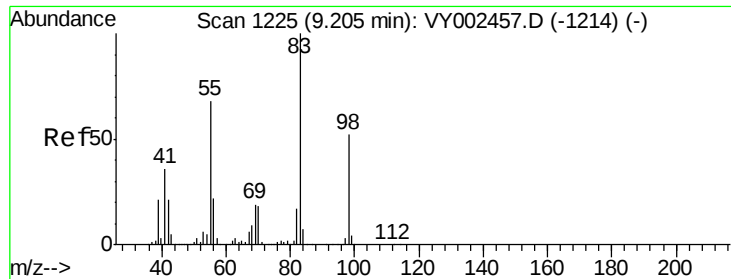
MMDadoda
4/24/2020 1:33:37 PM



#38
Carbon Tetrachloride
Concen: 154.341 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.9	113.9
121	30.2	24.5	36.7





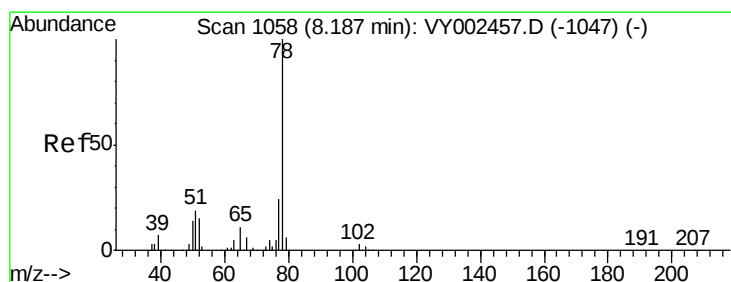
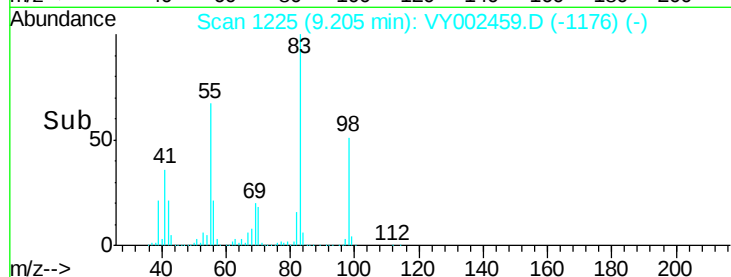
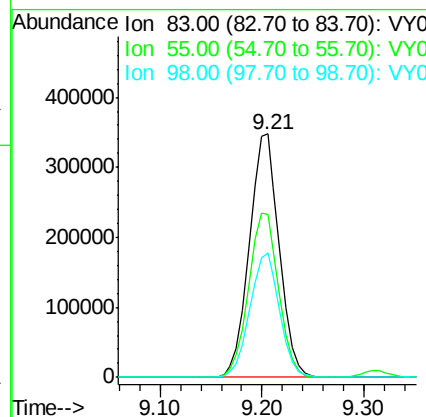
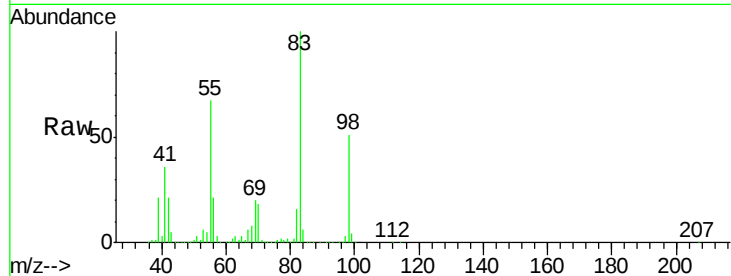
#39
Methvlcvclohexane
Concen: 153.483 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	54.2	81.2
98	51.3	41.9	62.9

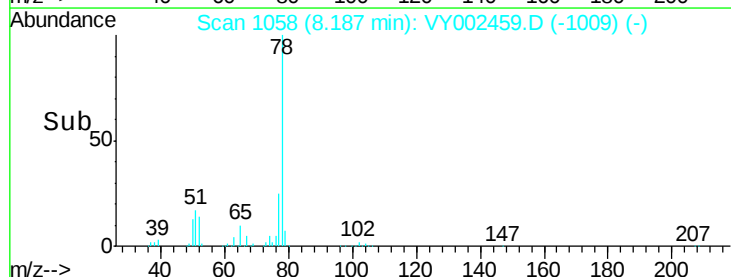
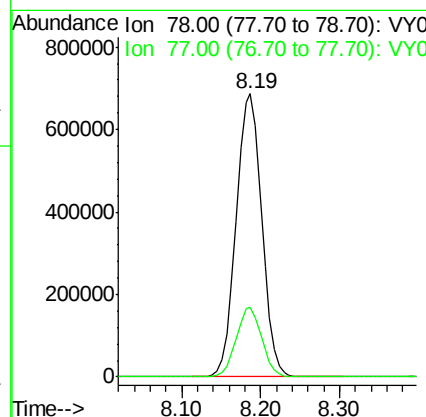
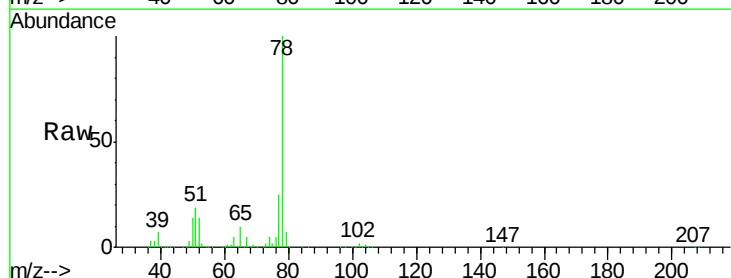
Manual Integrations
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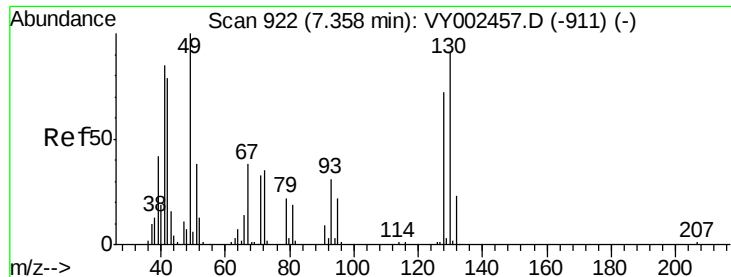
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#40
Benzene
Concen: 151.984 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.0





#41

Methacrylonitrile

Concen: 147.358 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 162300

Ion Ratio Lower Upper

41 100

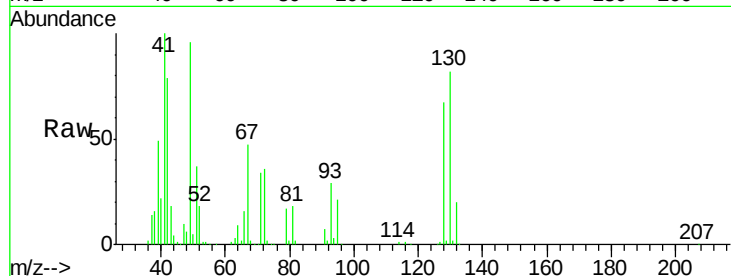
39 114.5 85.7 128.5

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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4/24/2020 1:33:37 PM

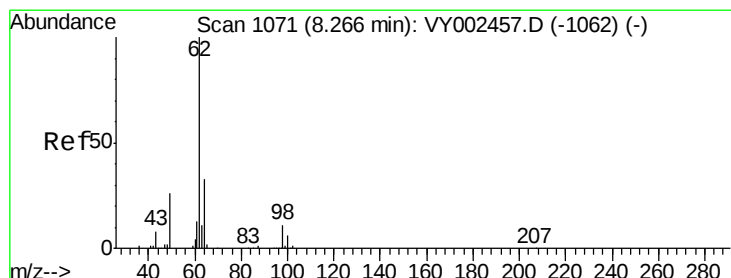
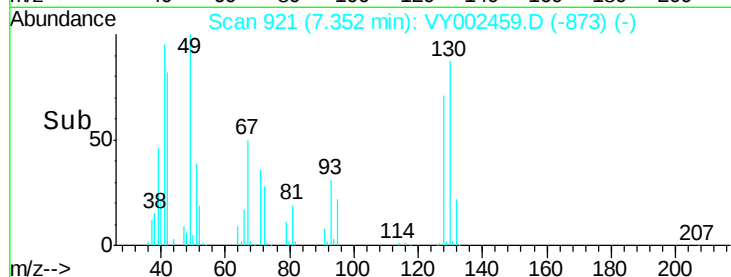
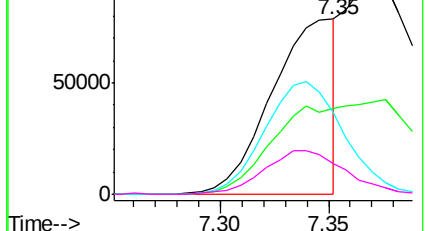


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 154.239 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VY002459.D

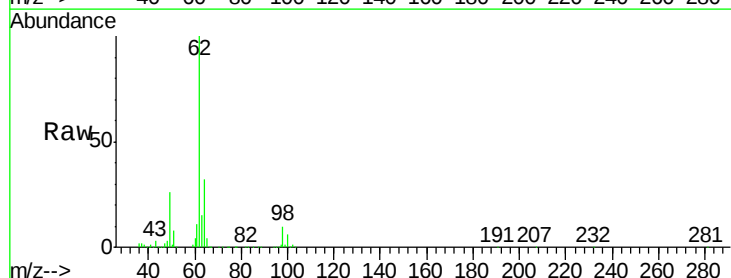
Acq: 23 Apr 2020 13:09

Tgt Ion: 62 Resp: 456966

Ion Ratio Lower Upper

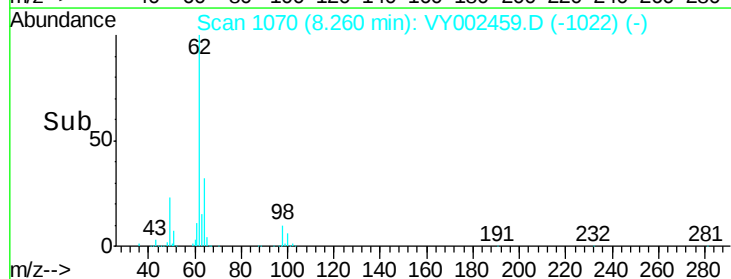
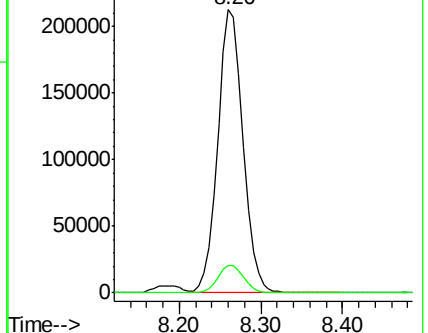
62 100

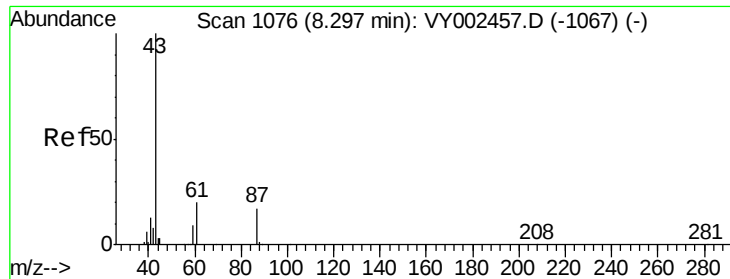
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 165.704 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

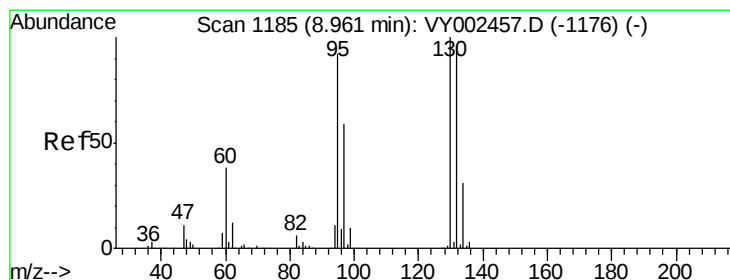
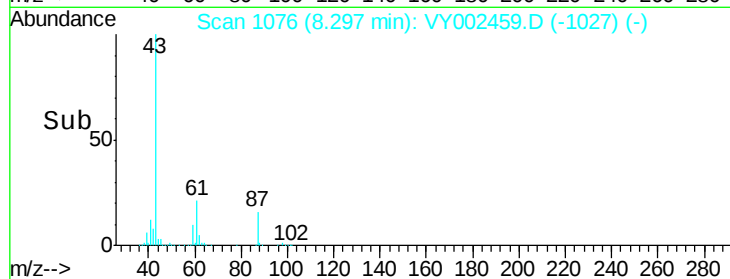
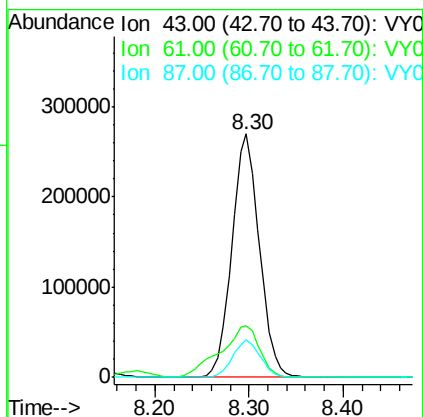
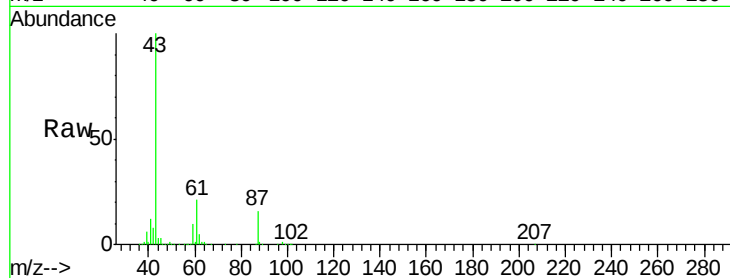
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	542531
Ion Ratio	Lower	Upper	
43	100		
61	30.2	25.0	37.4
87	15.6	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 150.135 ug/l

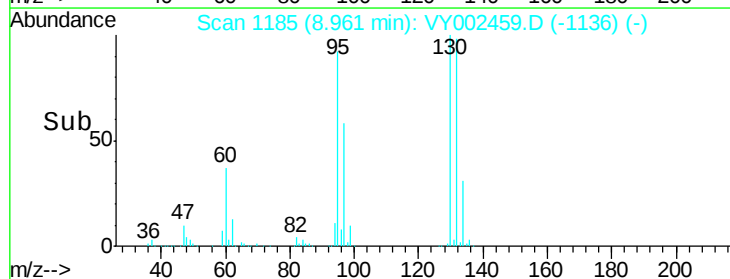
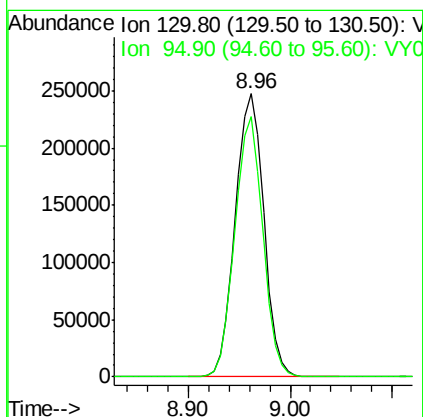
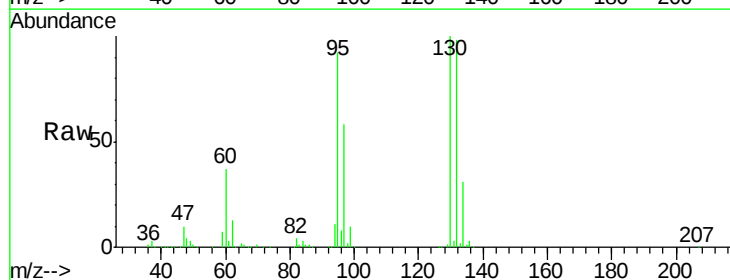
RT: 8.96 min Scan# 1185

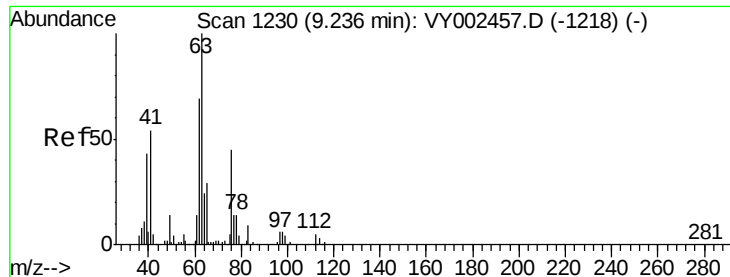
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	130	Resp:	480140
Ion Ratio	Lower	Upper	
130	100		
95	92.1	0.0	184.2





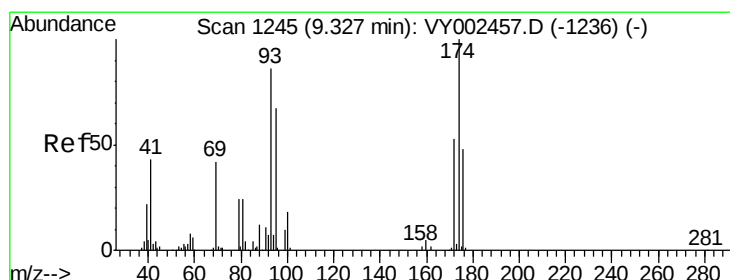
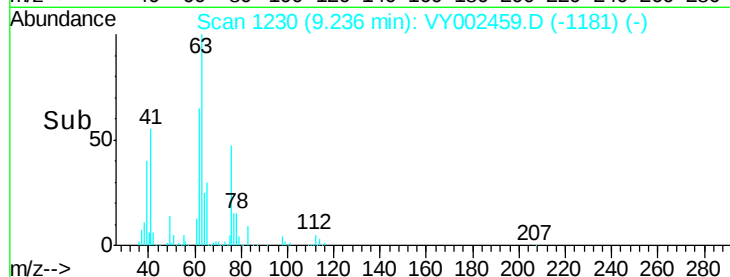
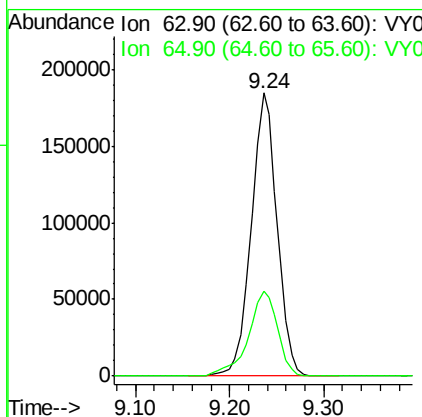
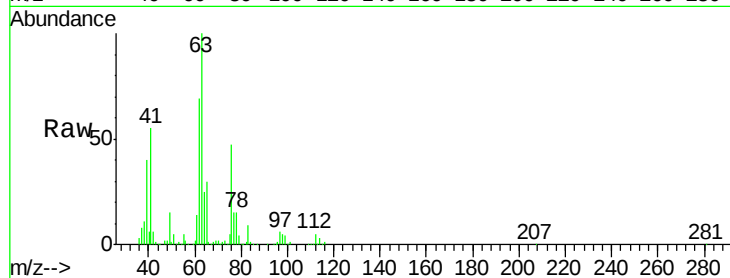
#45
 1,2-Dichloropropane
 Concen: 151.660 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.4	35.0

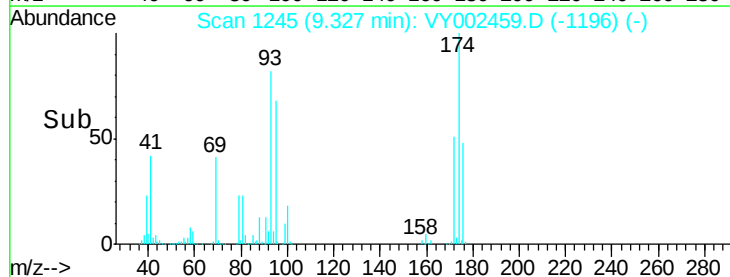
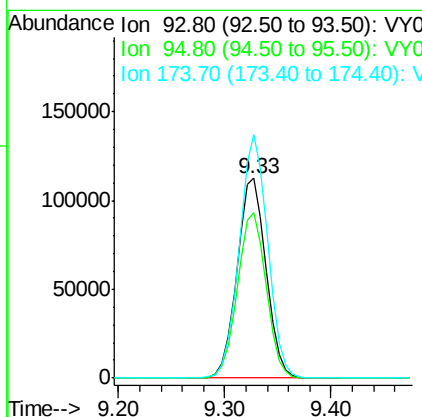
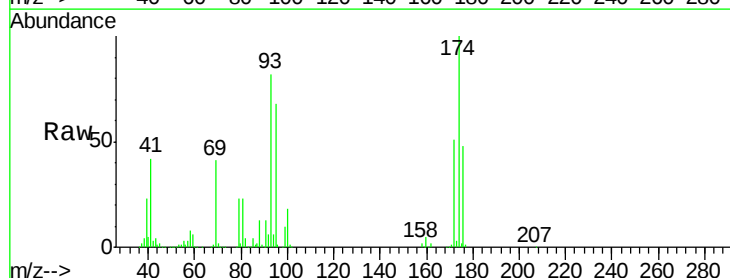
Manual Integrations
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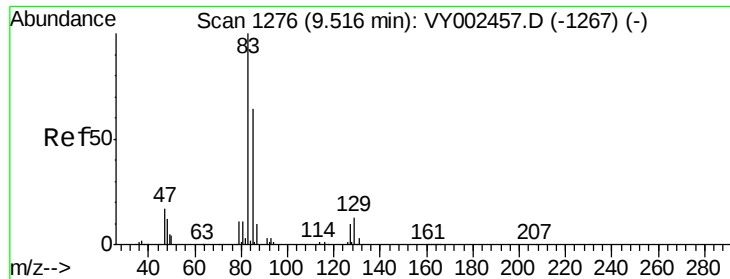
MMDadoda
 4/24/2020 1:33:37 PM



#46
 Dibromomethane
 Concen: 156.515 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.4	98.0
174	119.1	94.8	142.2





#47

Bromodichloromethane

Concen: 155.155 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

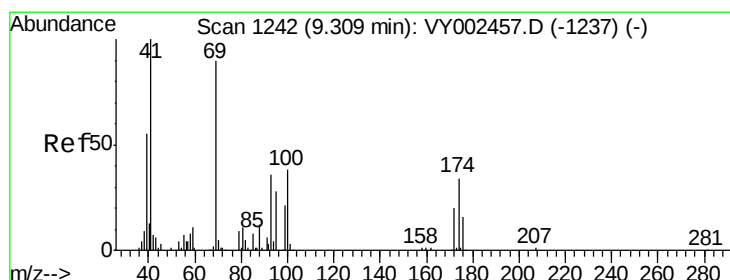
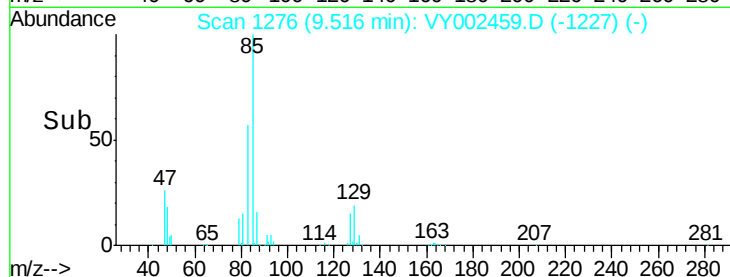
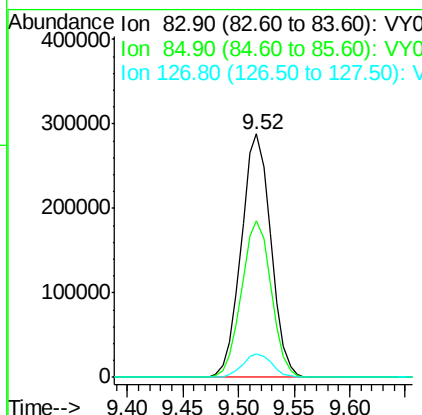
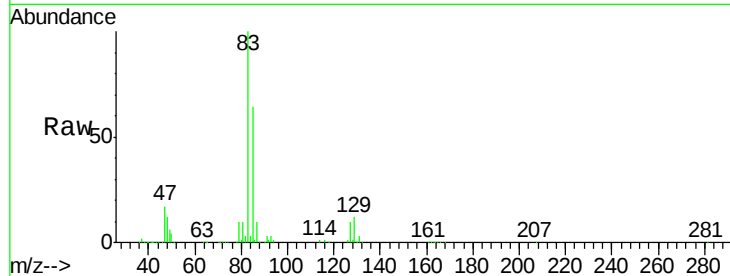
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	532625
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8
127	9.5	7.7	11.5

Manual Integrations
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4/24/2020 1:33:37 PM



#48

Methyl methacrylate

Concen: 167.284 ug/l

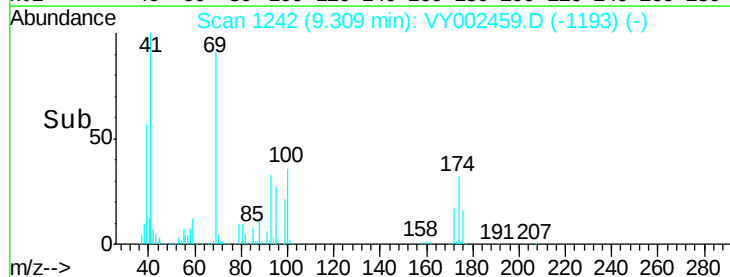
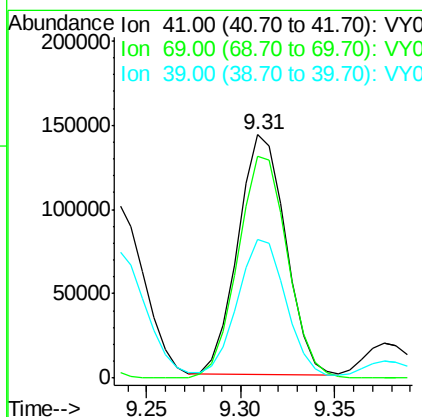
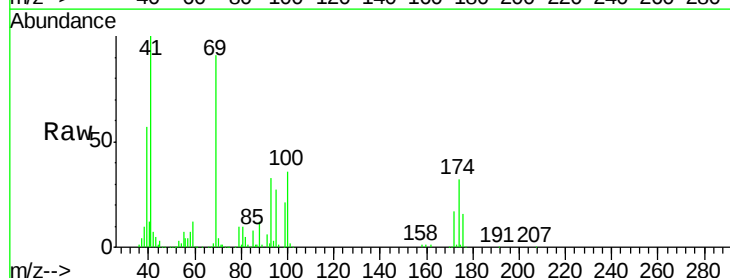
RT: 9.31 min Scan# 1242

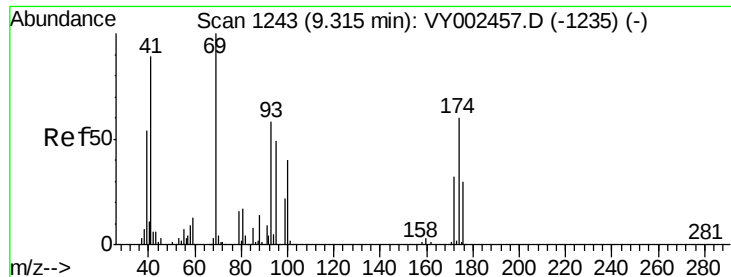
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	41	Resp:	249445
Ion Ratio	Lower	Upper	
41	100		
69	96.4	77.9	116.9
39	57.1	47.9	71.9





#49

1,4-Dioxane

Concen: 3354.587 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

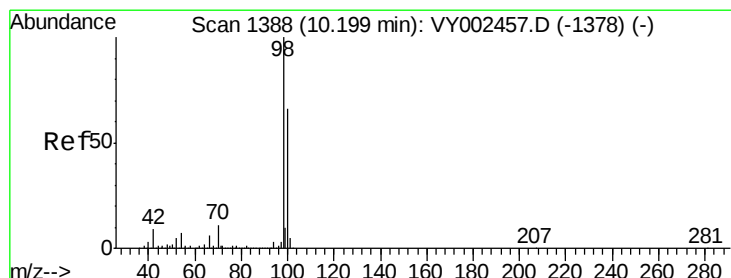
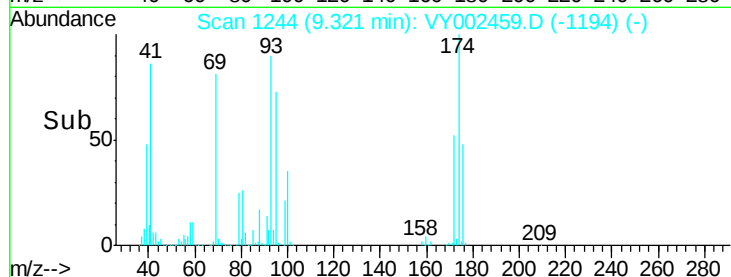
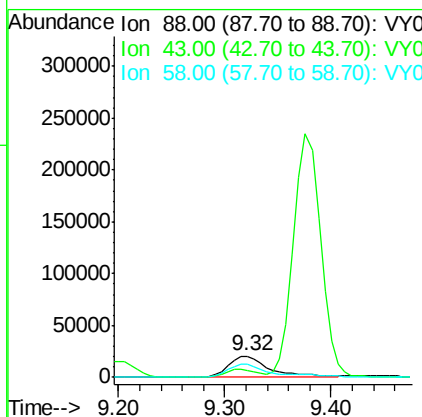
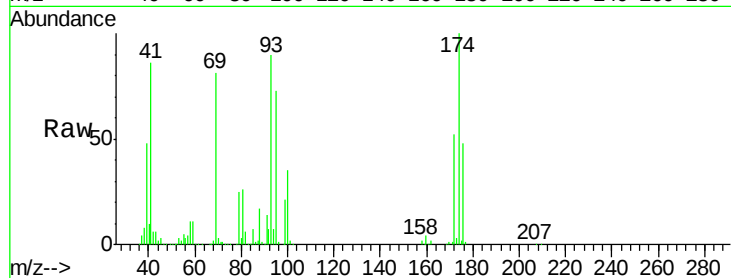
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	57481
Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.9	34.3
58	68.9	49.5	74.3

Manual Integrations
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#50

Toluene-d8

Concen: 149.247 ug/l

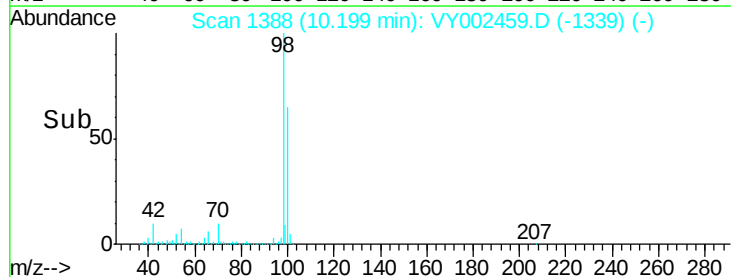
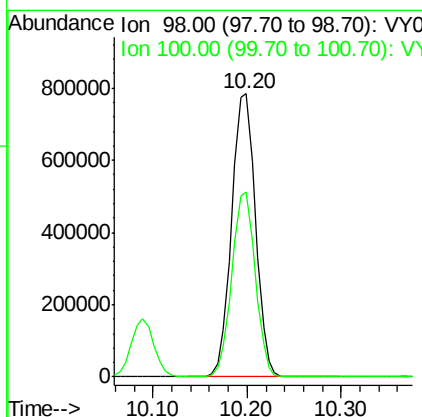
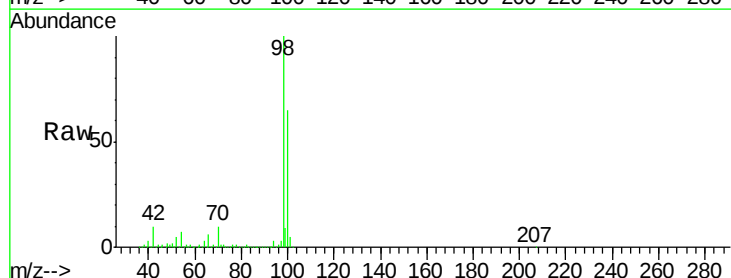
RT: 10.20 min Scan# 1388

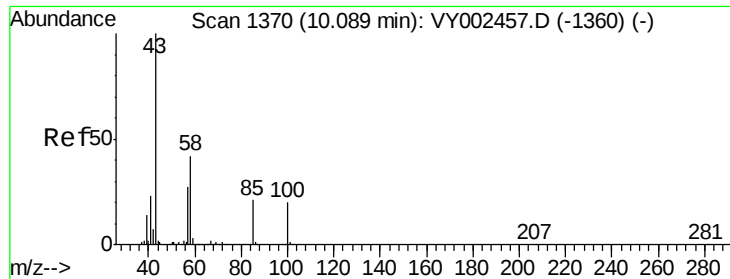
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	98	Resp:	1380800
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7





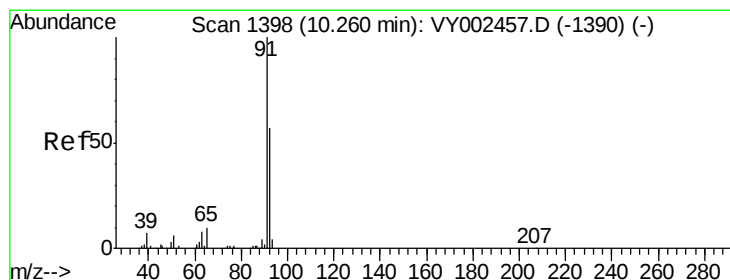
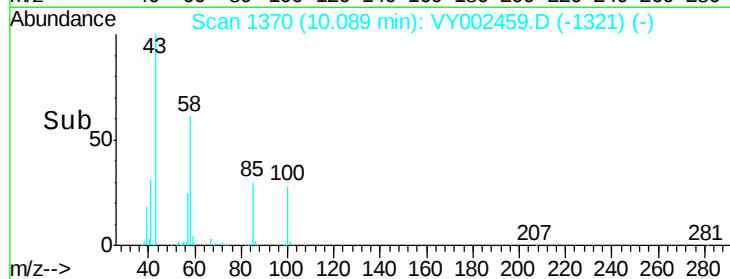
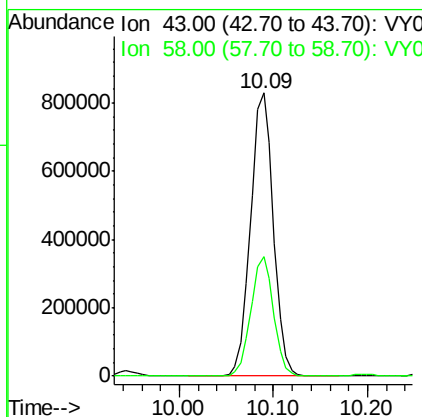
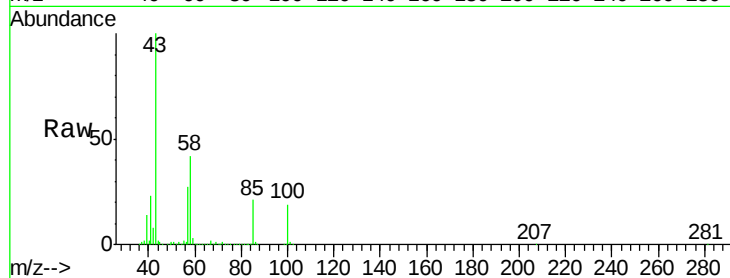
#51
4-Methyl-2-Pentanone
Concen: 839.624 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1420661
Ion Ratio Lower Upper
43 100
58 41.8 33.2 49.8

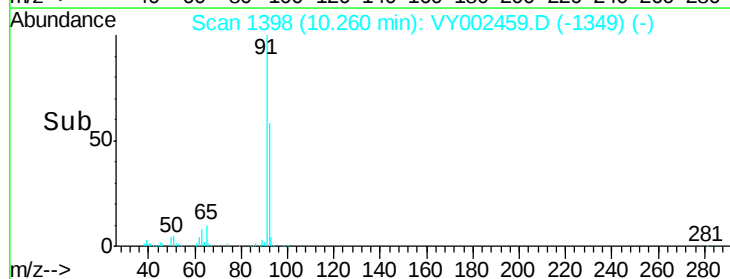
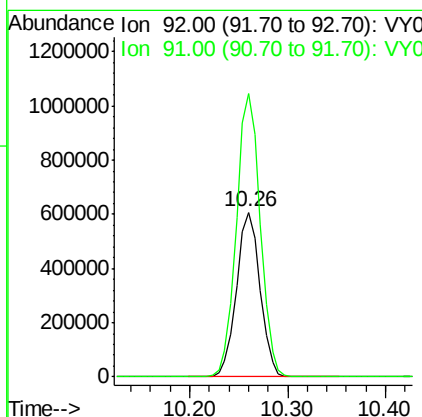
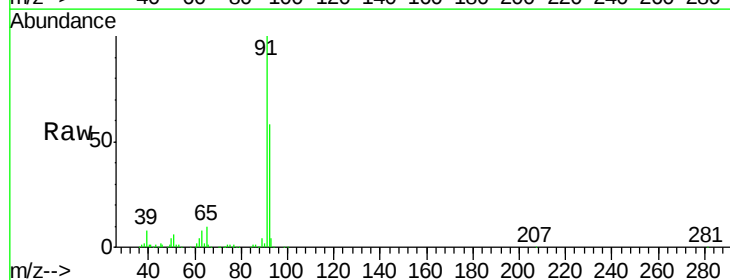
Manual Integrations
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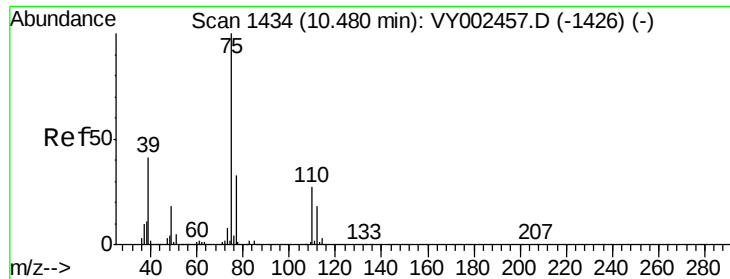
MMDadoda
4/24/2020 1:33:37 PM



#52
Toluene
Concen: 154.797 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 92 Resp: 1013946
Ion Ratio Lower Upper
92 100
91 174.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 160.969 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 580386

Ion Ratio Lower Upper

75 100

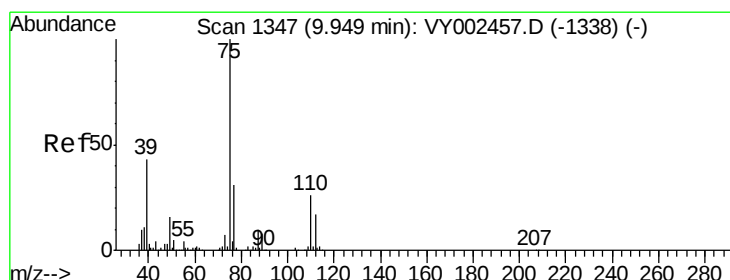
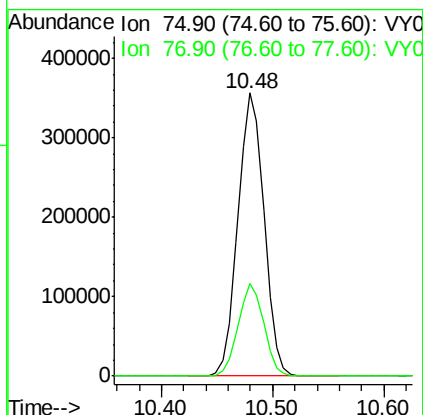
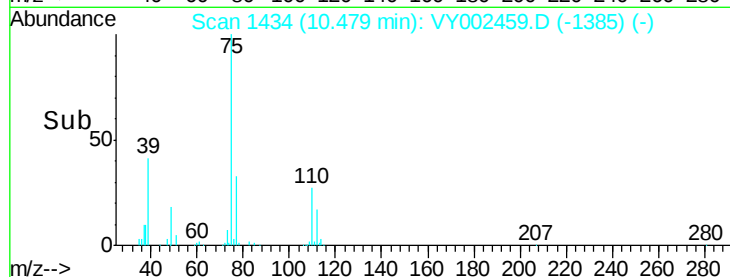
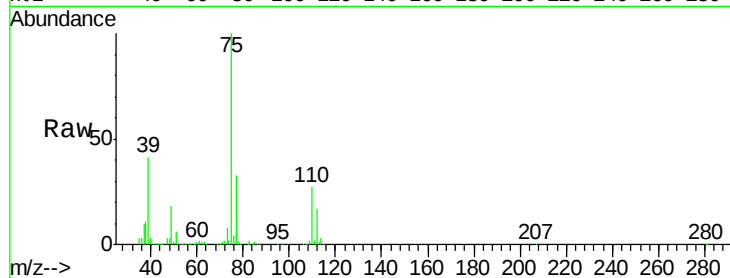
77 32.6 26.4 39.6

Manual Integrations

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4/24/2020 1:33:37 PM



#54

cis-1,3-Dichloropropene

Concen: 156.339 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

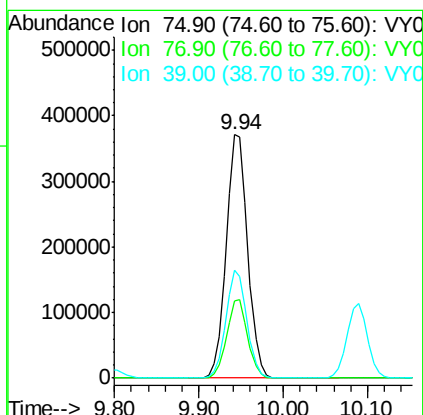
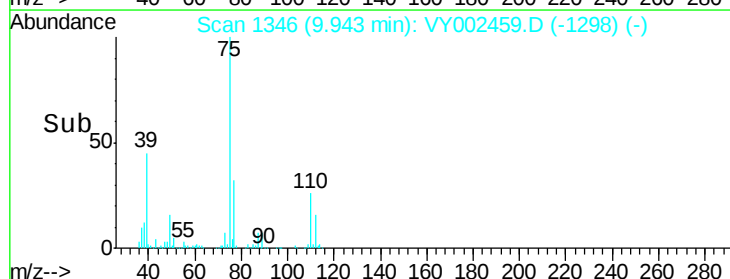
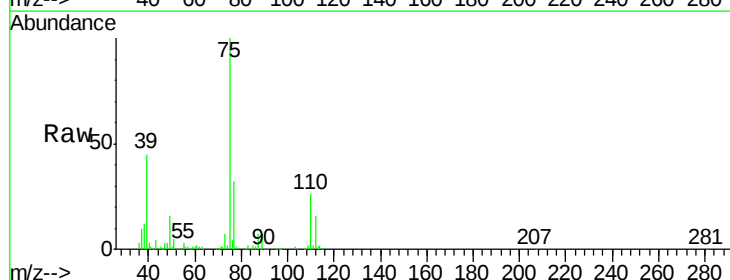
Tgt Ion: 75 Resp: 644638

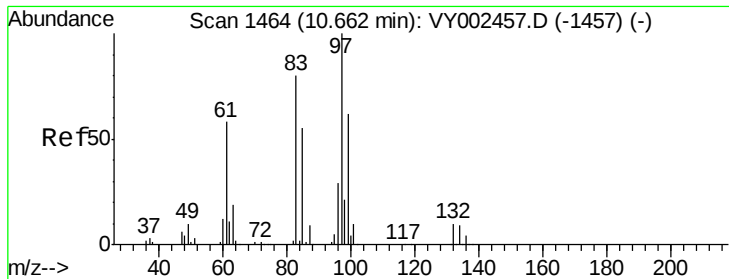
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 44.5 34.2 51.2





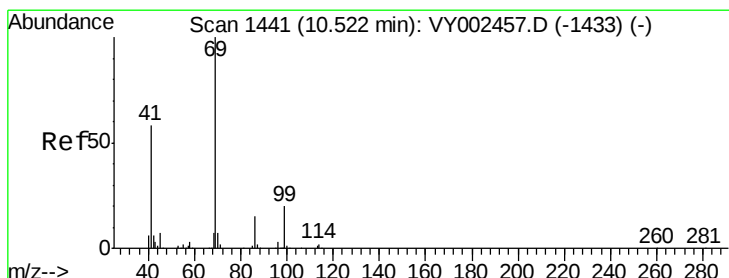
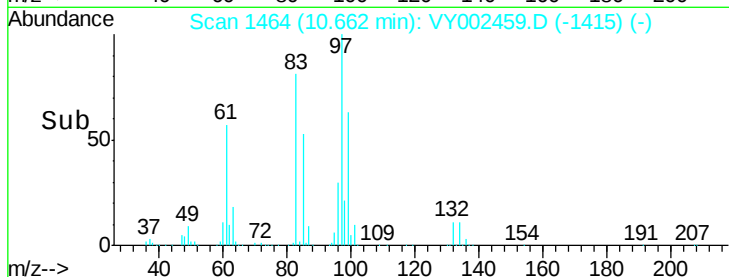
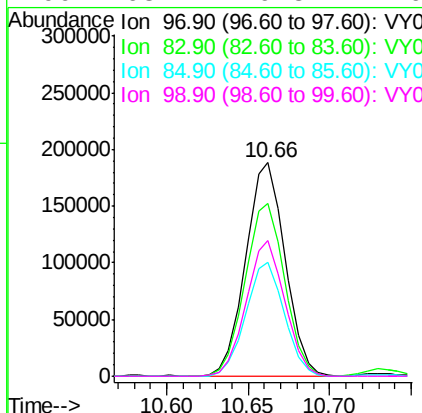
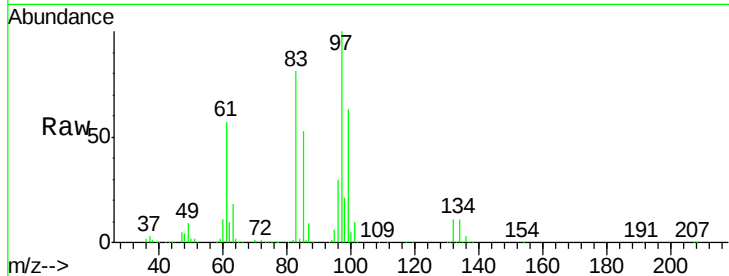
#55
 1,1,2-Trichloroethane
 Concen: 155.889 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	315759
Ion	Ratio	Lower	Upper
97	100		
83	80.6	63.8	95.8
85	53.3	43.9	65.9
99	63.2	49.8	74.6

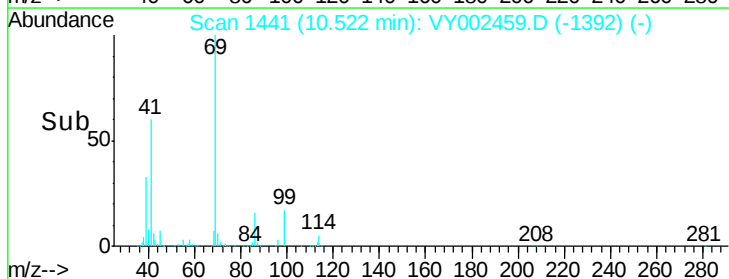
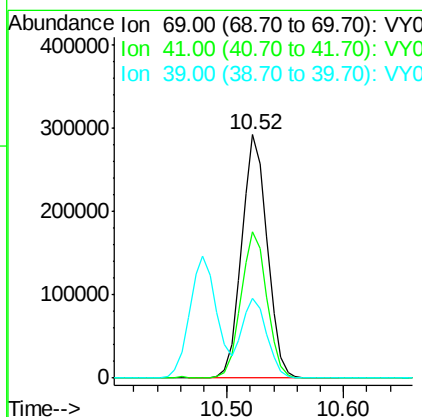
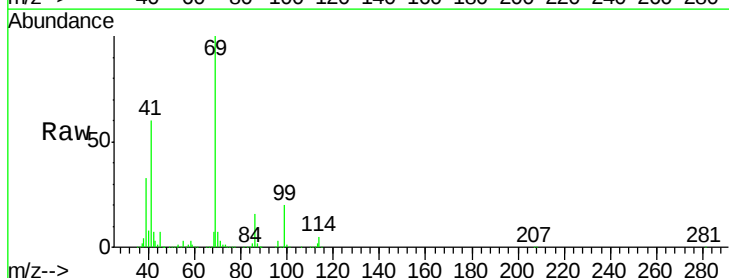
Manual Integrations
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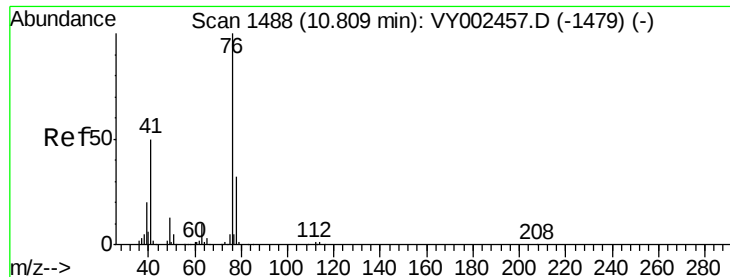
MMDadoda
 4/24/2020 1:33:37 PM



#56
 Ethyl methacrylate
 Concen: 163.801 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion:	69	Resp:	448946
Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.5	71.3
39	31.9	25.7	38.5





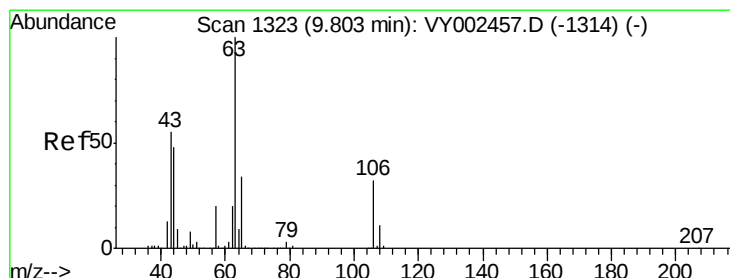
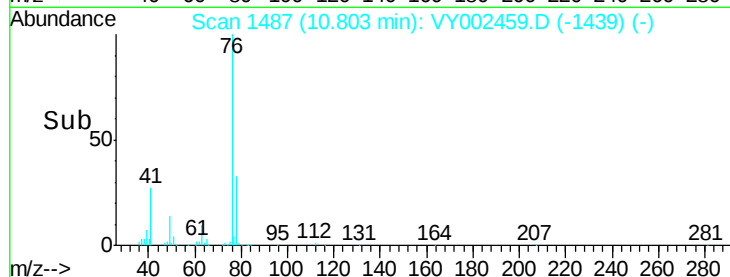
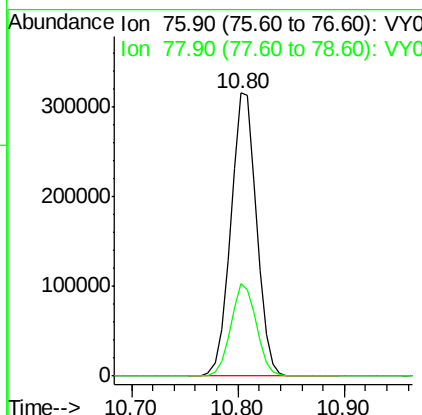
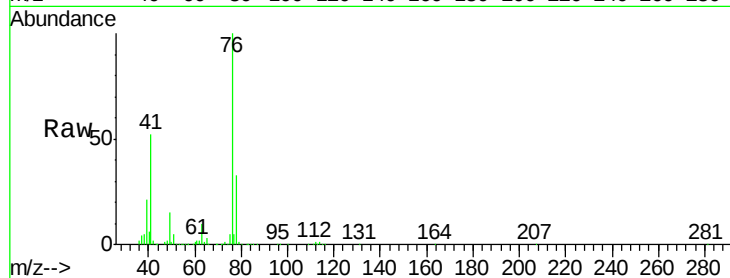
#57
 1,3-Dichloropropane
 Concen: 156.329 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

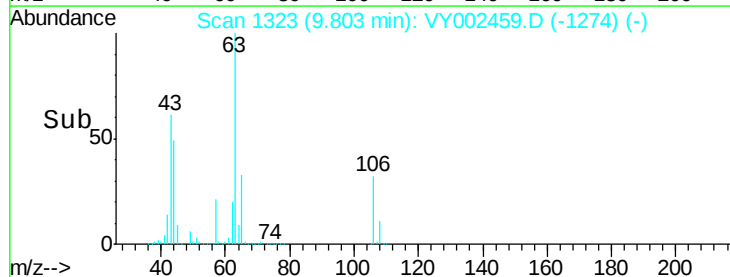
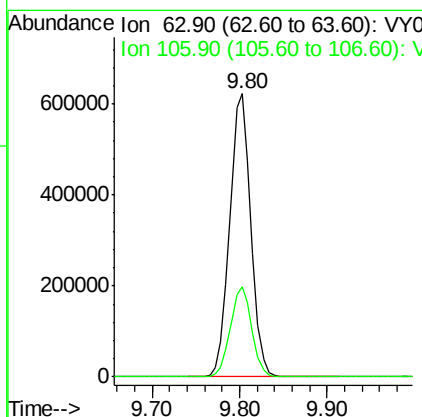
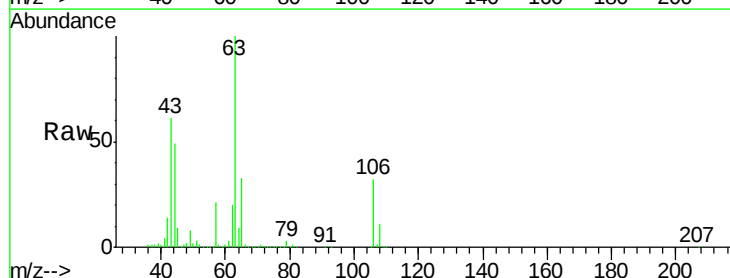
Manual Integrations
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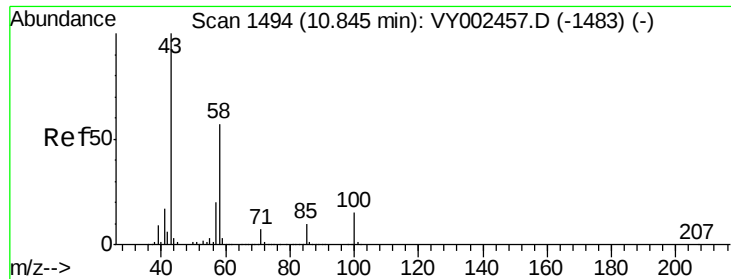
MMDadoda
 4/24/2020 1:33:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 785.453 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.0	26.0	39.0





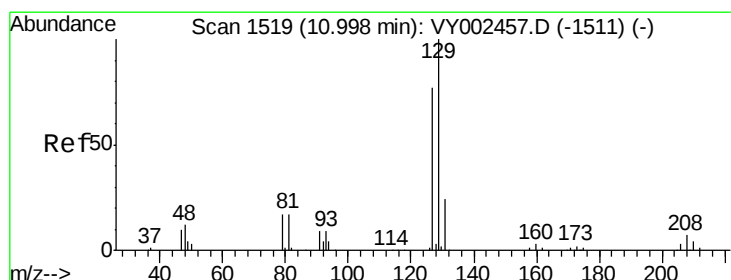
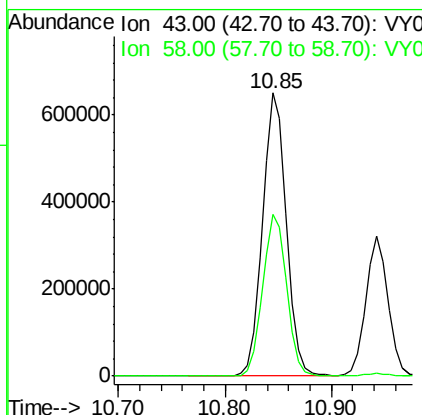
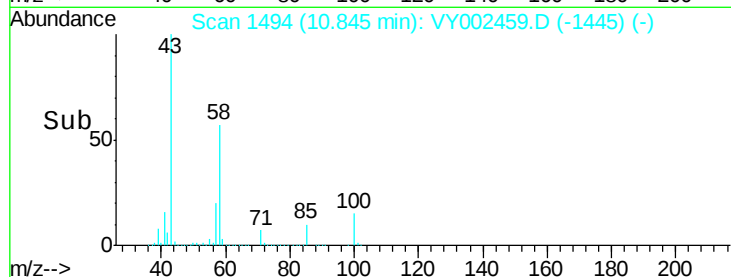
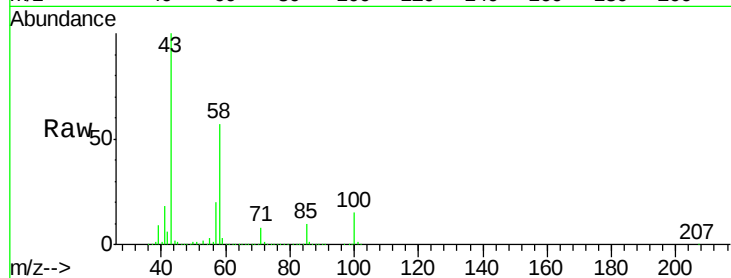
#59
2-Hexanone
Concen: 864.594 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1016617
Ion Ratio Lower Upper
43 100
58 57.9 28.8 86.4

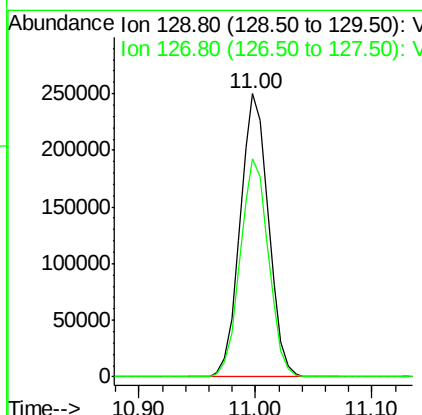
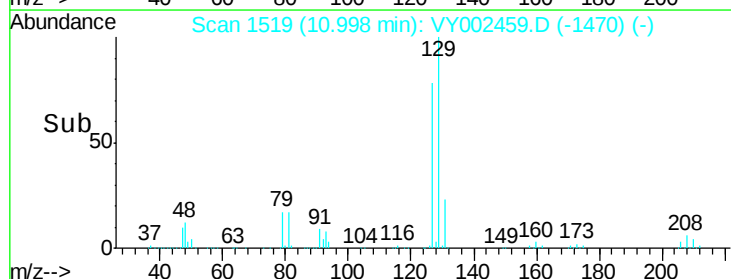
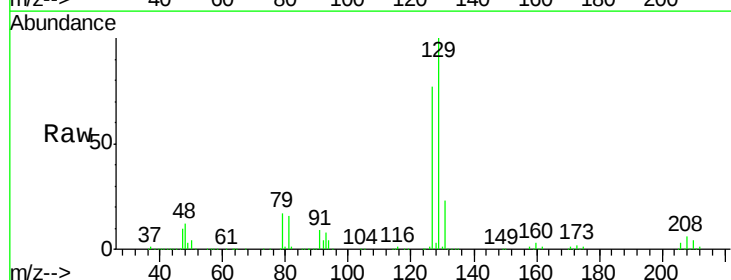
Manual Integrations
APPROVED

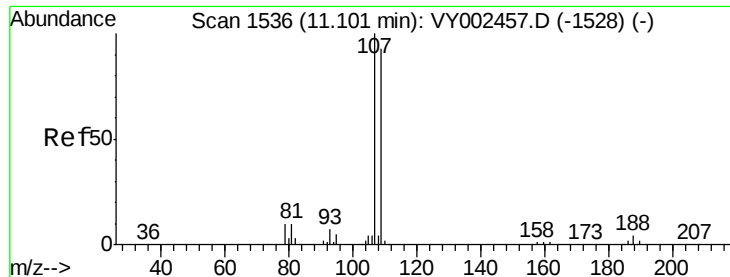
MMDadoda
4/24/2020 1:33:37 PM



#60
Dibromochloromethane
Concen: 159.407 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 129 Resp: 422568
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





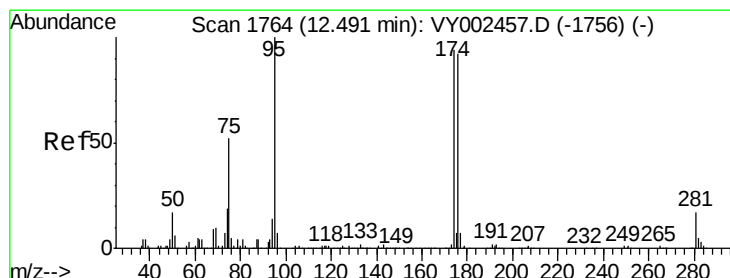
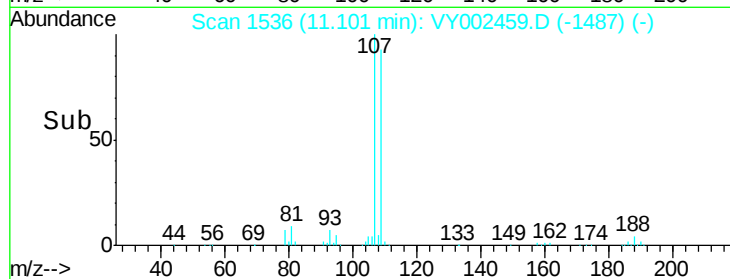
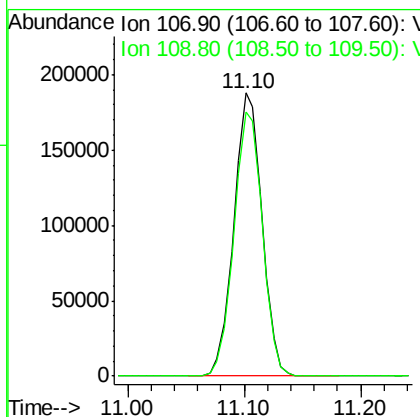
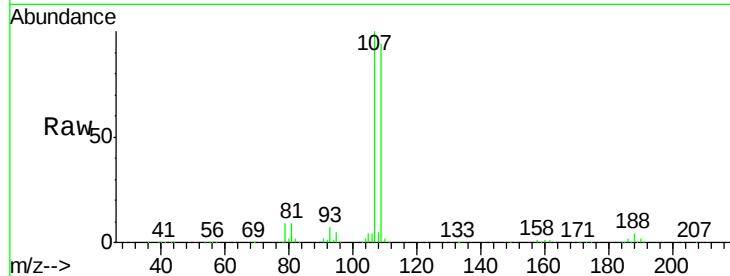
#61
 1,2-Dibromoethane
 Concen: 157.552 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	315791		
109	94.8	74.9	112.3	

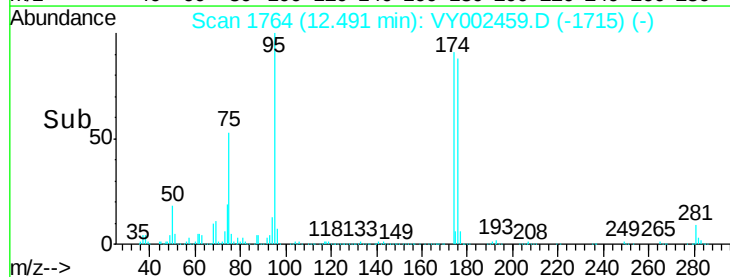
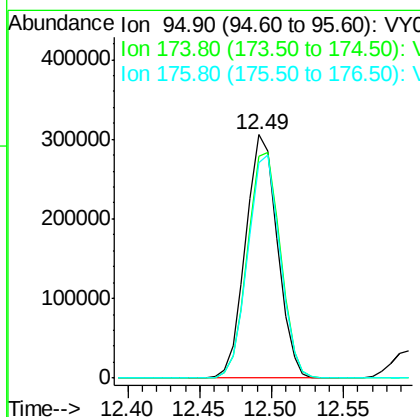
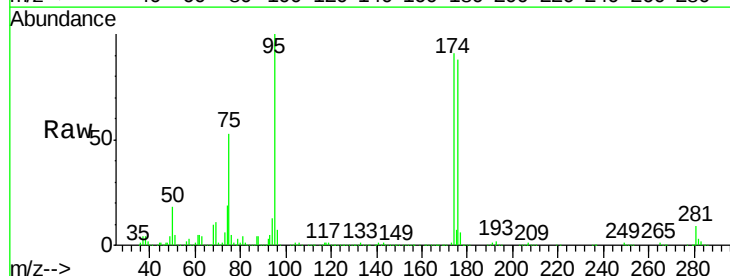
Manual Integrations
 APPROVED

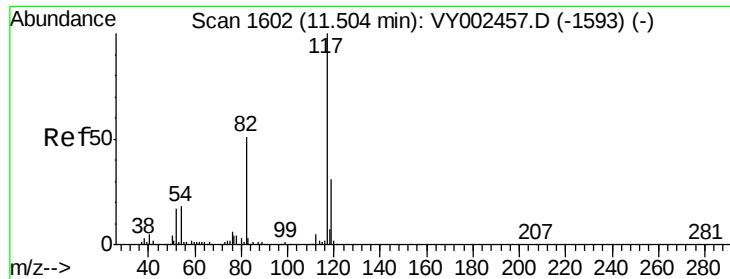
MMDadoda
 4/24/2020 1:33:37 PM



#62
 4-Bromofluorobenzene
 Concen: 150.492 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	466278		
174	95.4	0.0	193.0	
176	92.8	0.0	190.4	





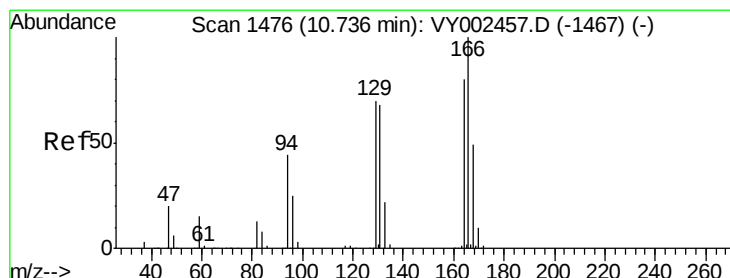
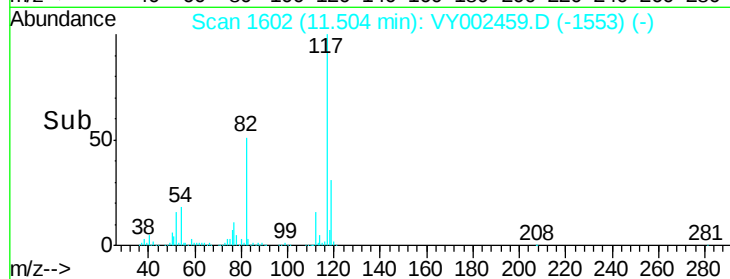
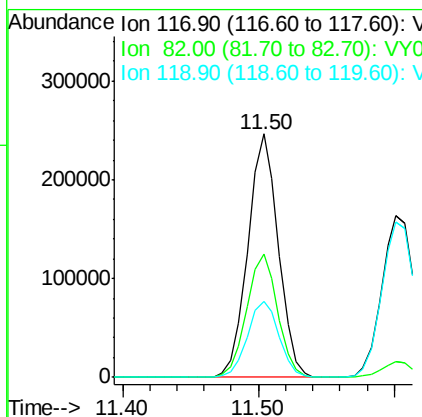
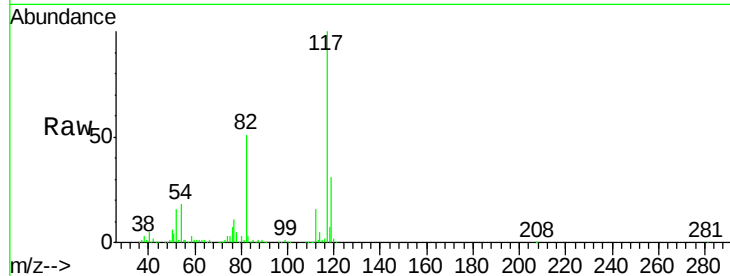
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	386045		
82	50.5		40.8	61.2
119	31.3		25.2	37.8

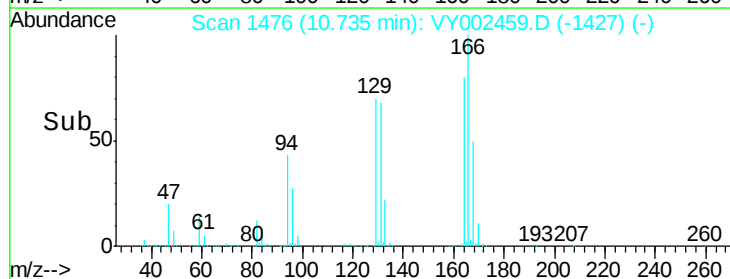
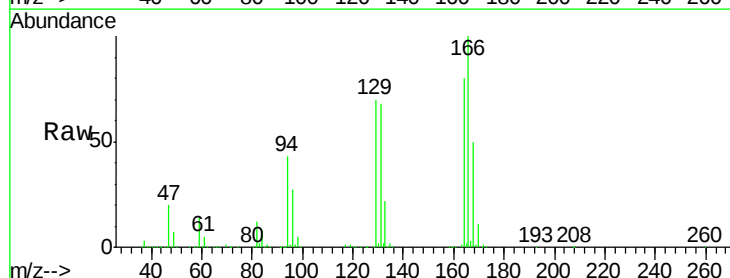
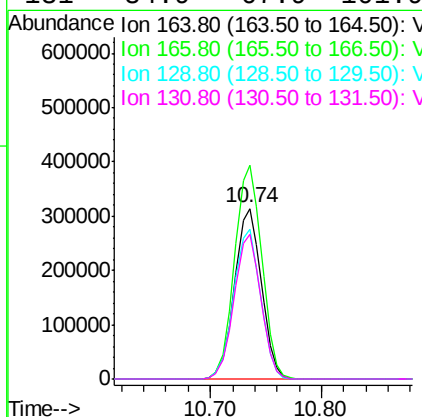
Manual Integrations
APPROVED

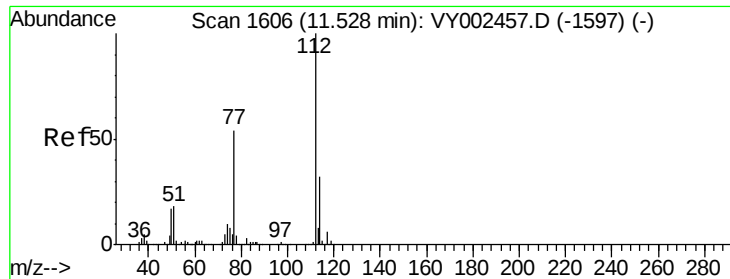
MMDadoda
4/24/2020 1:33:37 PM



#64
Tetrachloroethene
Concen: 149.204 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	523595		
166	125.1		100.0	150.0
129	87.6		69.8	104.8
131	84.9		67.9	101.9





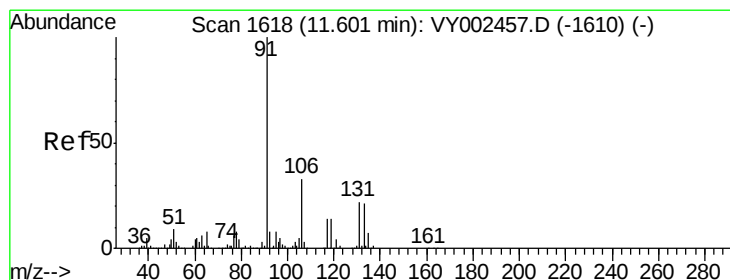
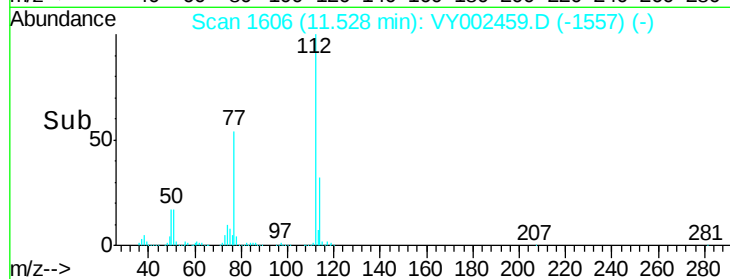
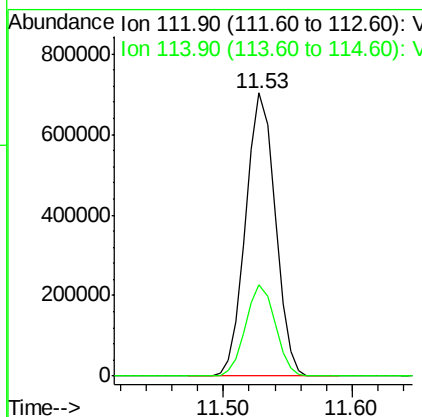
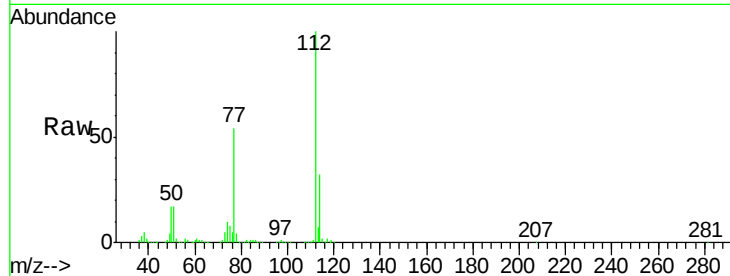
#65
Chlorobenzene
Concen: 151.472 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1119030
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

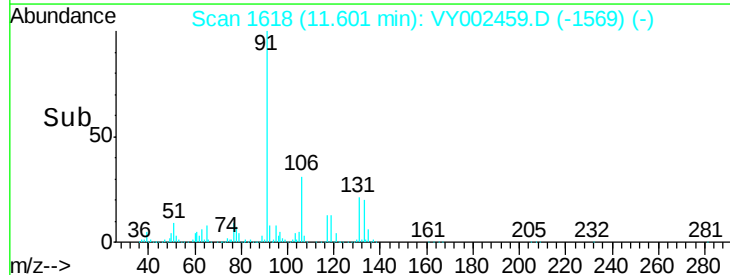
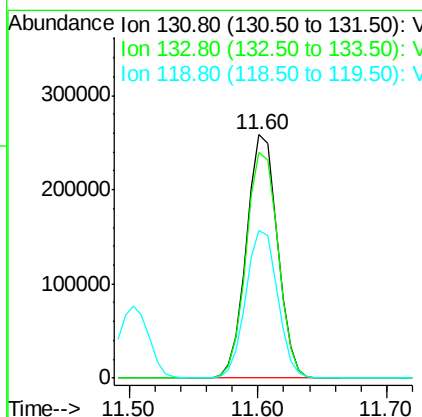
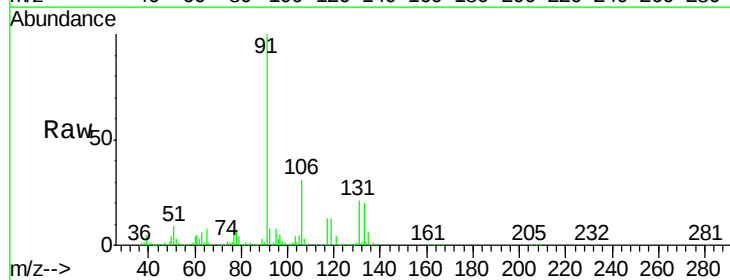
Manual Integrations
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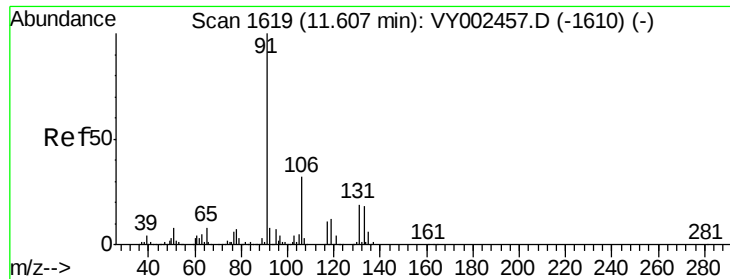
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.151 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:131 Resp: 429384
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.4
119 61.9 31.1 93.3





#67

Ethyl Benzene

Concen: 154.448 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2030108

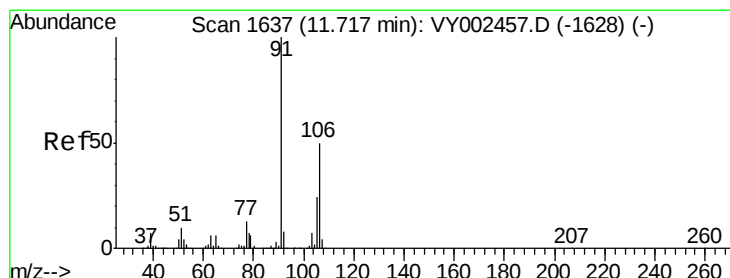
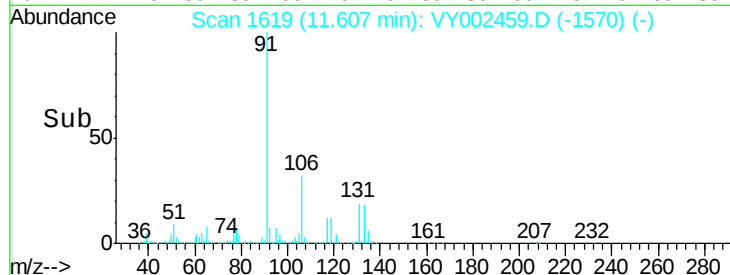
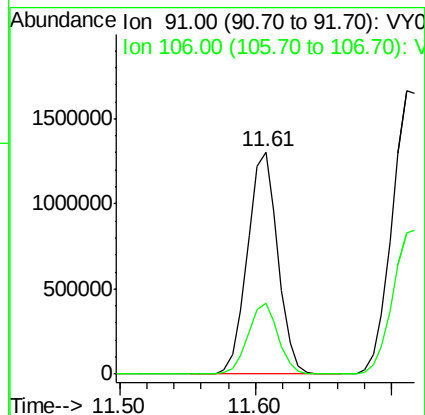
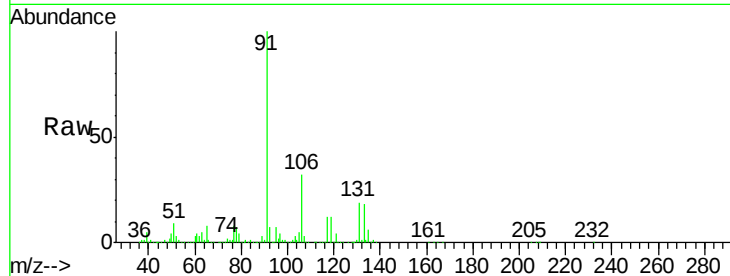
Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 308.065 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VY002459.D

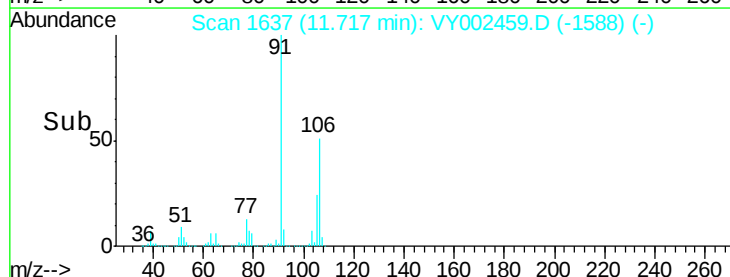
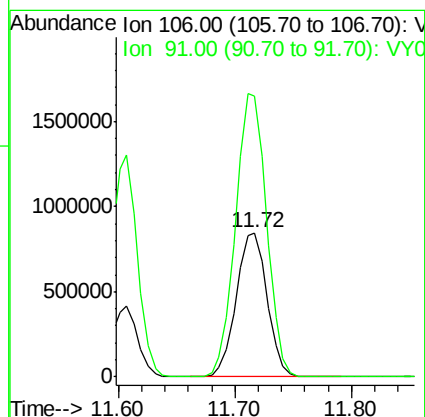
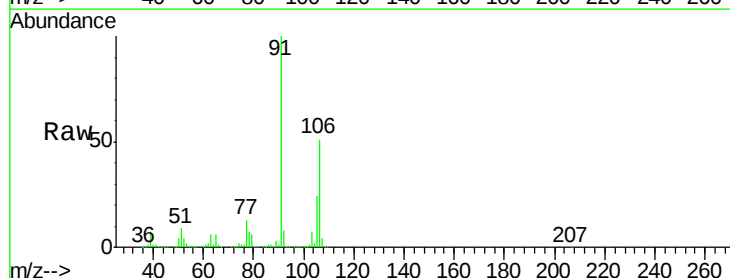
Acq: 23 Apr 2020 13:09

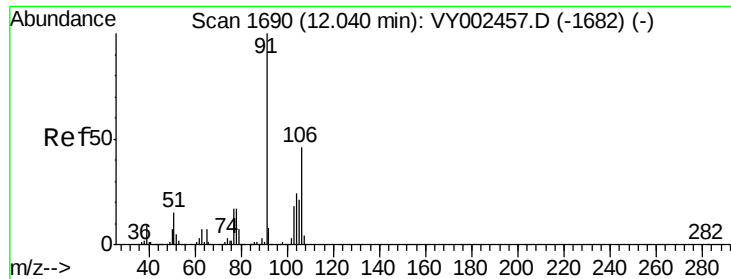
Tgt Ion: 106 Resp: 1559041

Ion Ratio Lower Upper

106 100

91 197.7 159.8 239.6





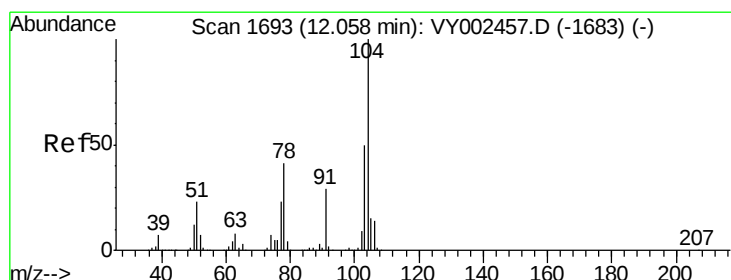
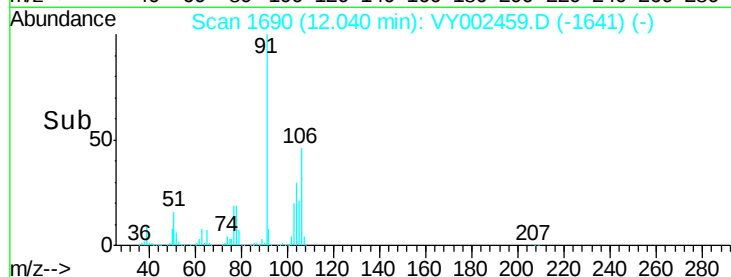
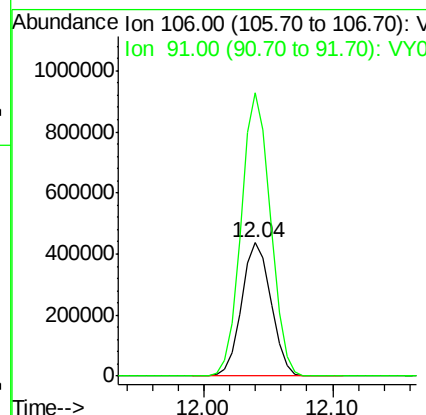
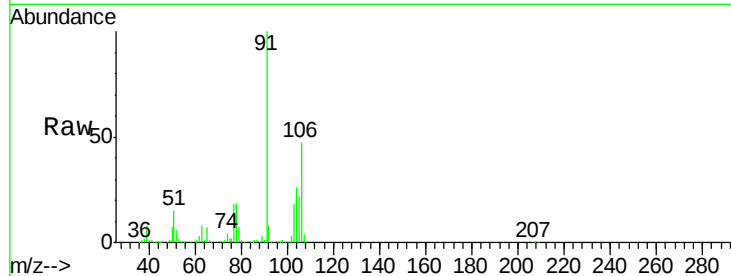
#69
o-Xylene
Concen: 145.898 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	104.5	313.3

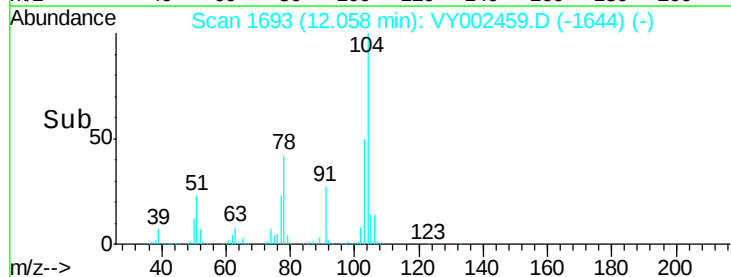
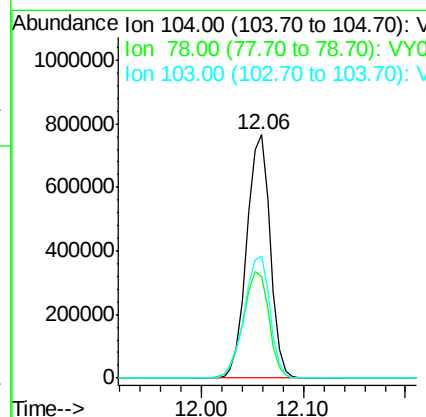
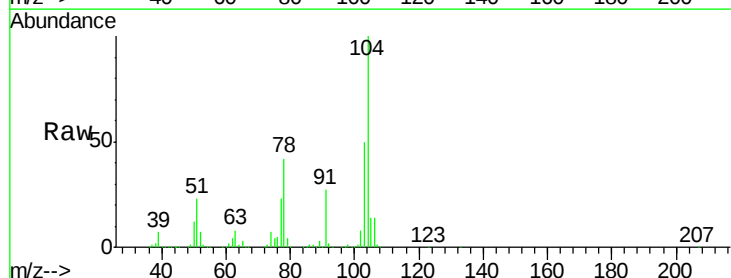
Manual Integrations
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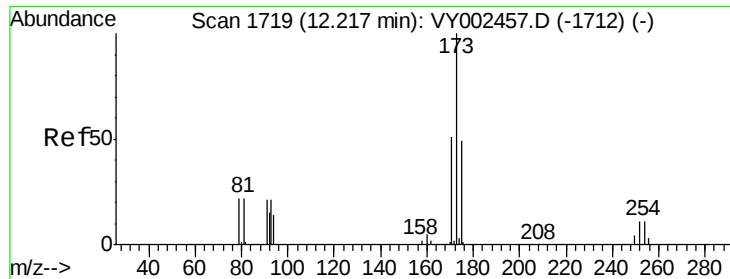
MMDadoda
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#70
Styrene
Concen: 148.301 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.0	57.0
103	54.8	44.4	66.6





#71

Bromoform

Concen: 159.774 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

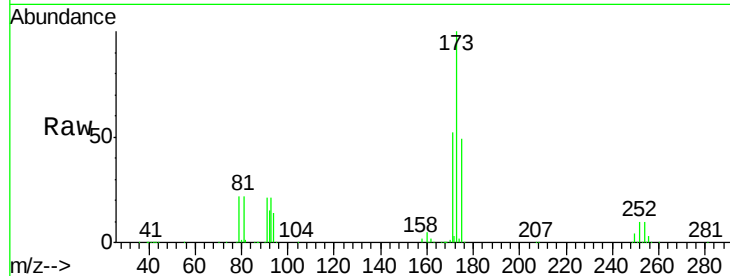
ClientSampleId :

VSTDIC150

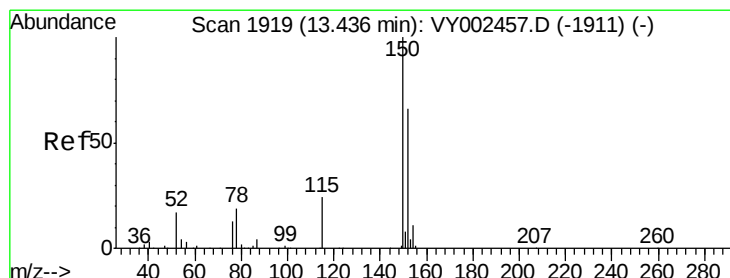
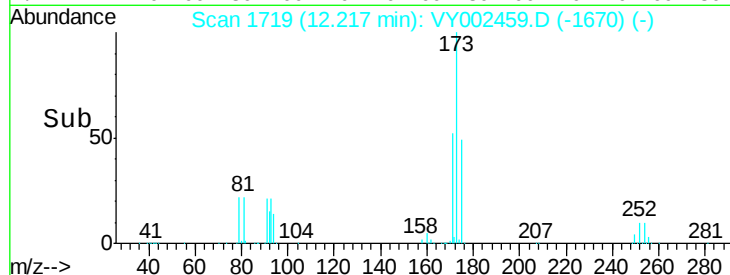
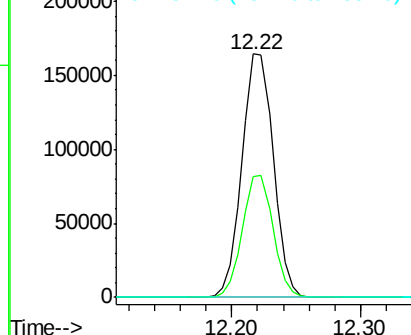
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
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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

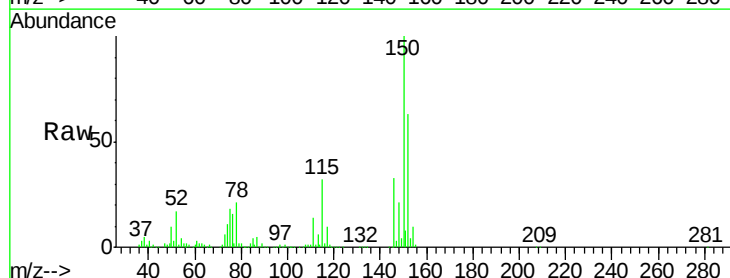
RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

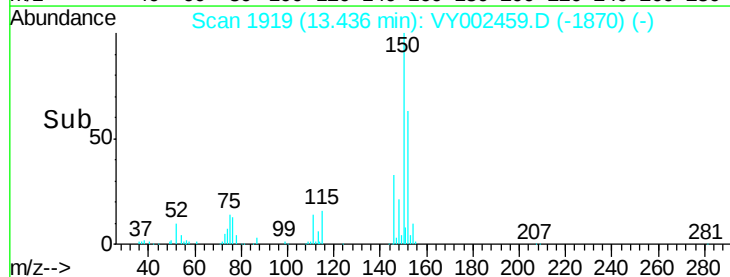
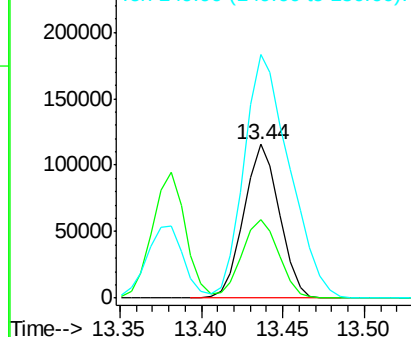
Lab File: VY002459.D

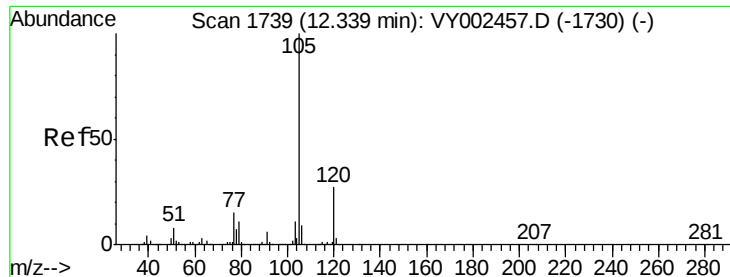
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.3	81.8
150	202.4	0.0	346.8



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





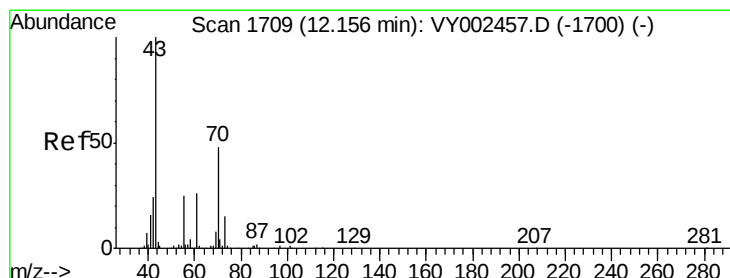
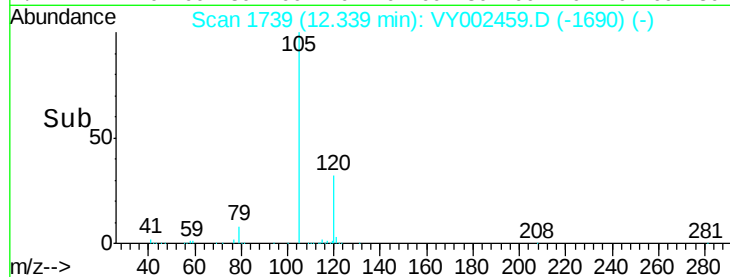
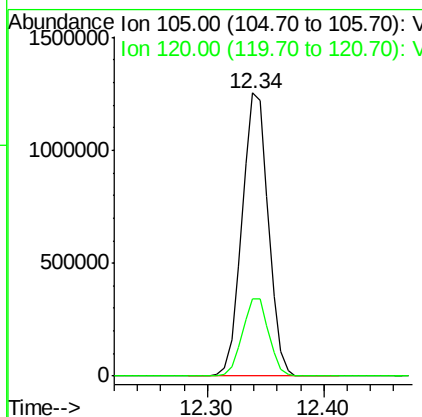
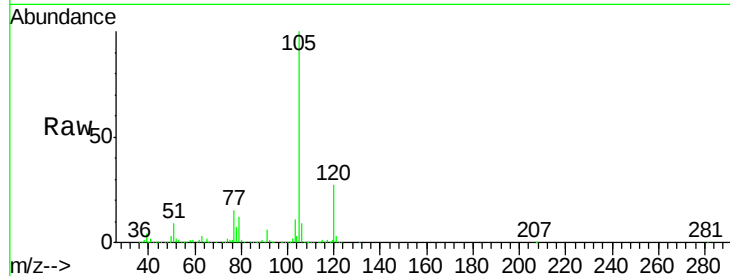
#73
Isopropylbenzene
Concen: 174.182 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC150

Tot Ion:105 Resp: 1976195
Ion Ratio Lower Upper
105 100
120 27.5 13.6 40.7

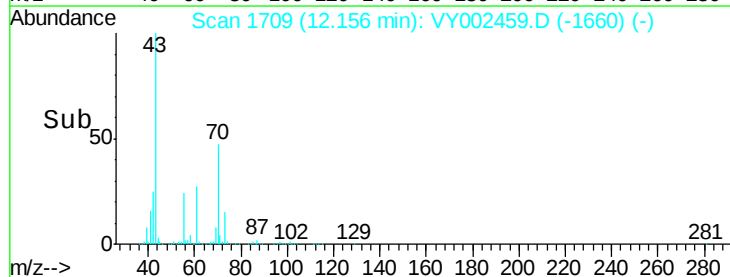
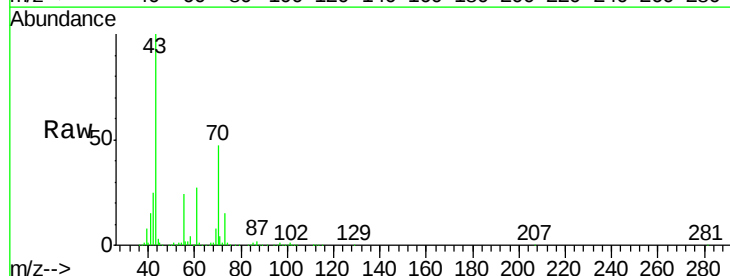
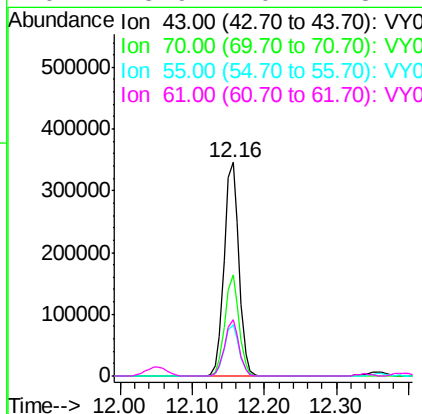
Manual Integrations
APPROVED

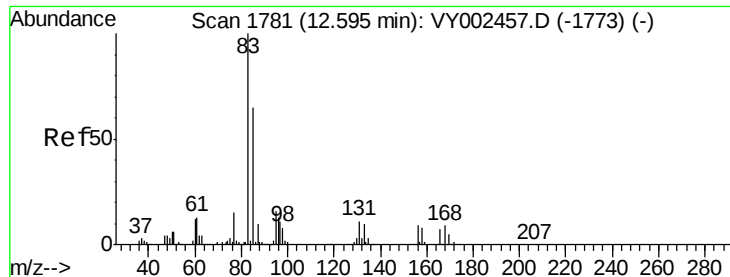
MMDadoda
4/24/2020 1:33:37 PM



#74
N-ethyl acetate
Concen: 187.086 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 43 Resp: 494187
Ion Ratio Lower Upper
43 100
70 45.5 37.2 55.8
55 23.8 19.6 29.4
61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 181.414 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 311689

Ion Ratio Lower Upper

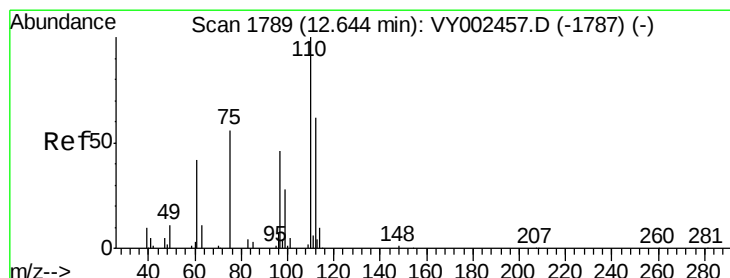
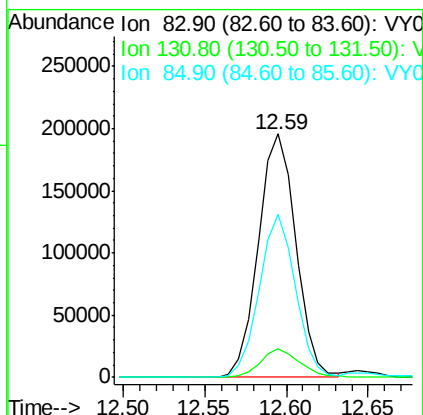
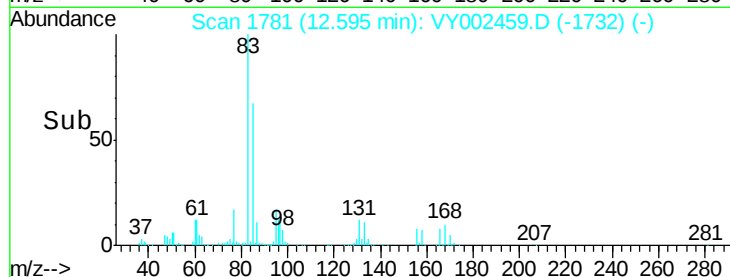
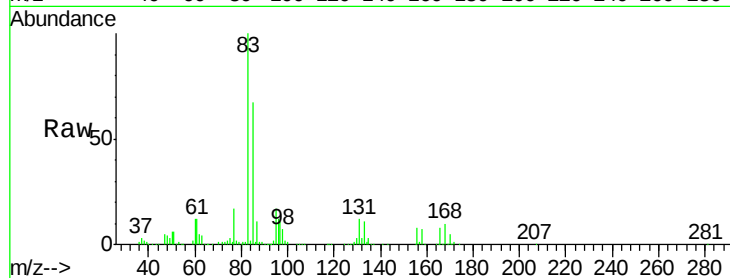
83 100

131 12.2 6.2 18.6

85 64.7 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 179.489 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY002459.D

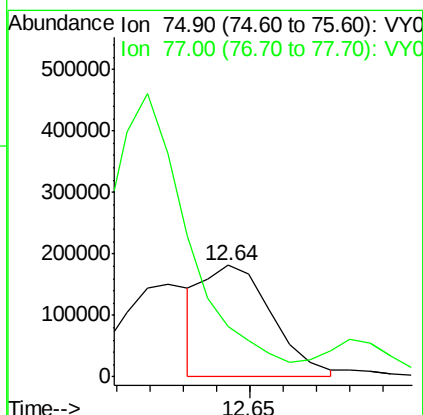
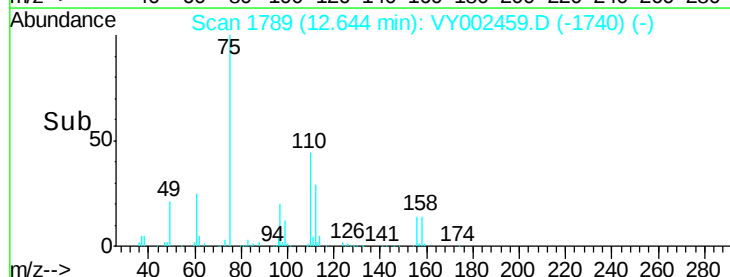
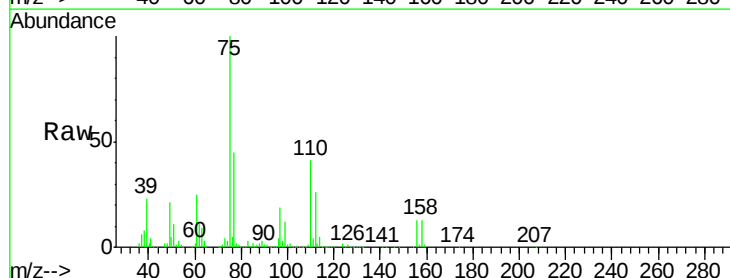
Acq: 23 Apr 2020 13:09

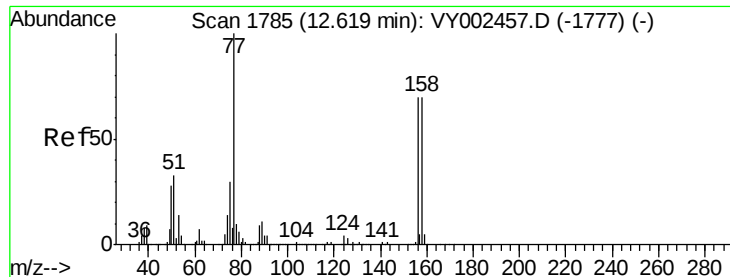
Tgt Ion: 75 Resp: 257664

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 174.270 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 494584

Ion Ratio Lower Upper

156 100

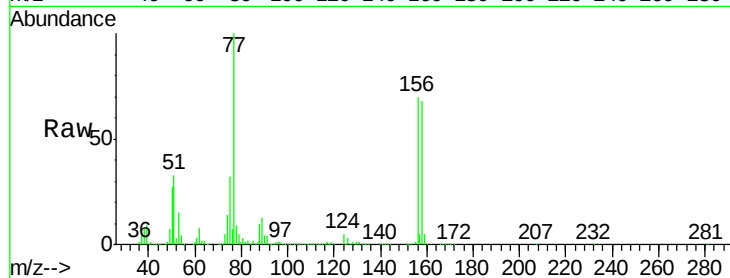
77 160.1 78.5 235.7

158 96.9 48.4 145.3

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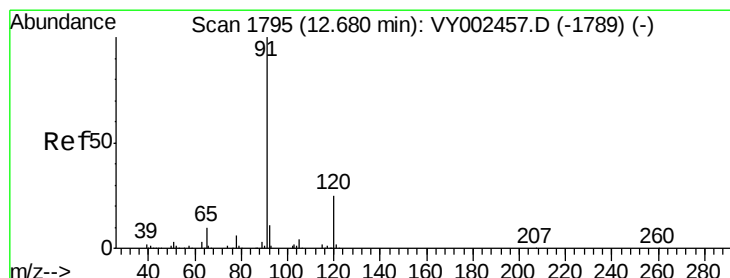
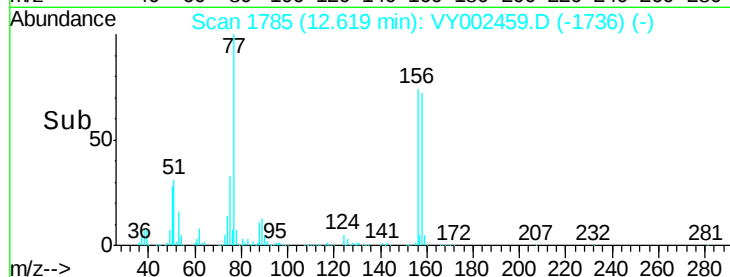
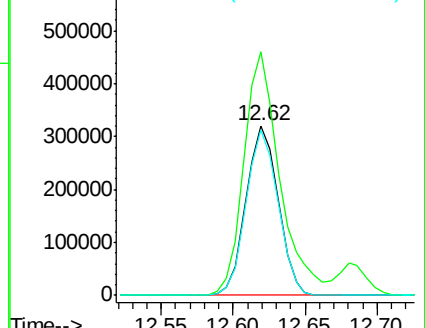
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 172.399 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002459.D

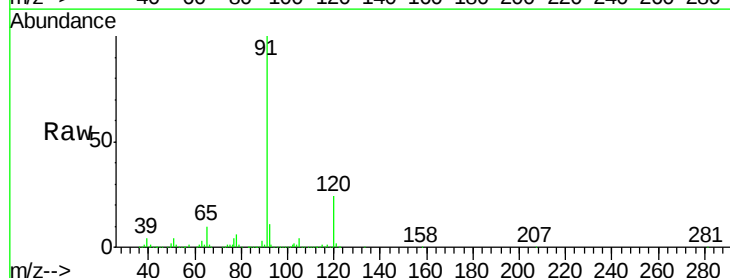
Acq: 23 Apr 2020 13:09

Tgt Ion: 91 Resp: 2273118

Ion Ratio Lower Upper

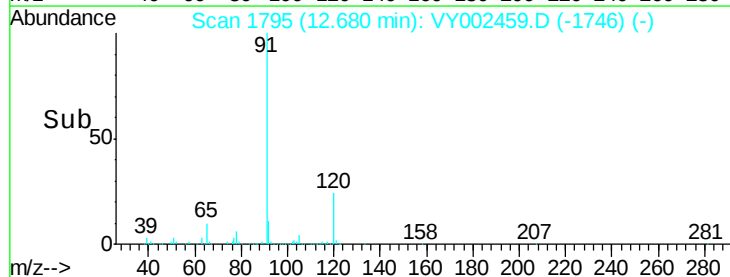
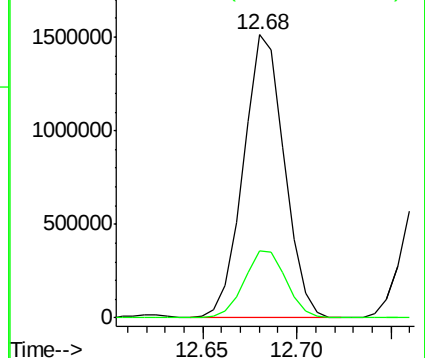
91 100

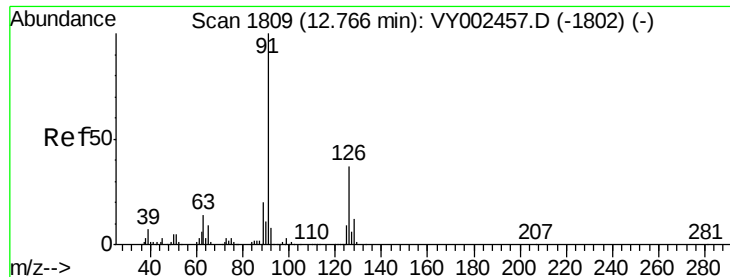
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 174.687 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1256263

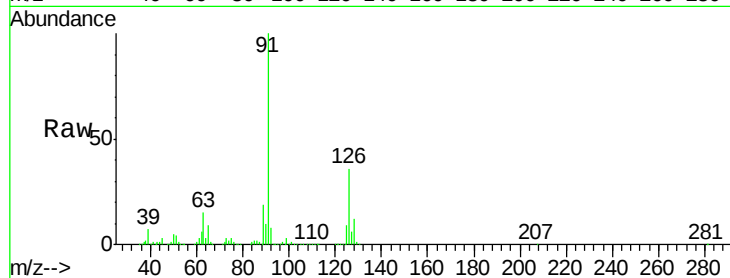
Ion Ratio Lower Upper

91 100

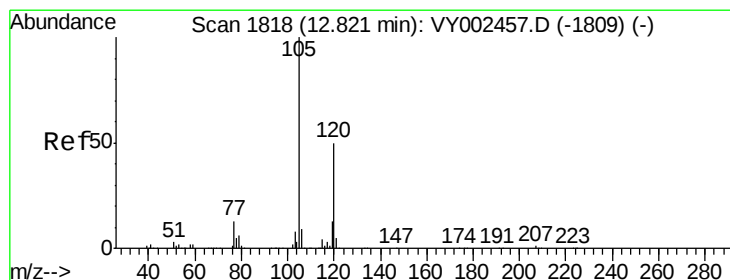
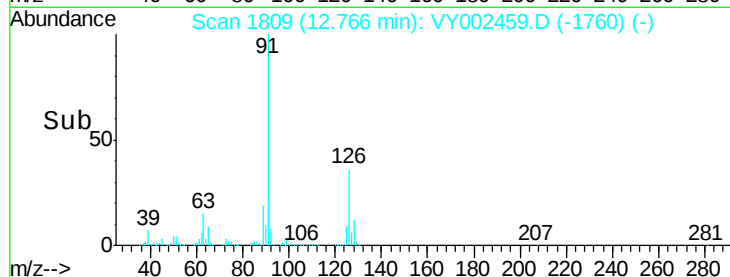
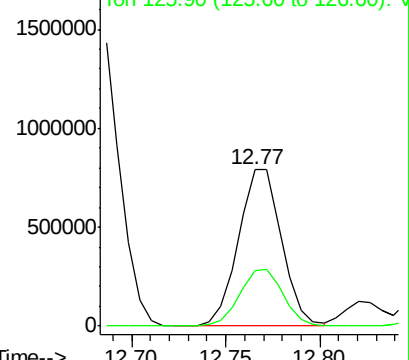
126 36.7 18.5 55.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 171.967 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002459.D

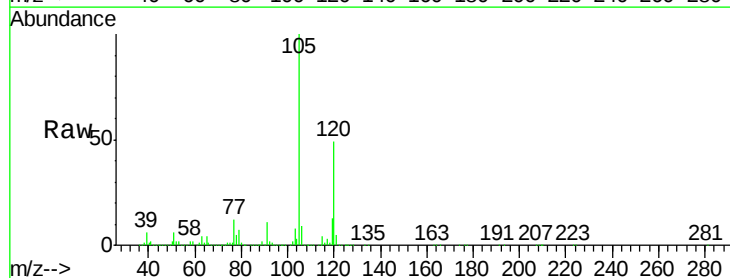
Acq: 23 Apr 2020 13:09

Tgt Ion: 105 Resp: 1657356

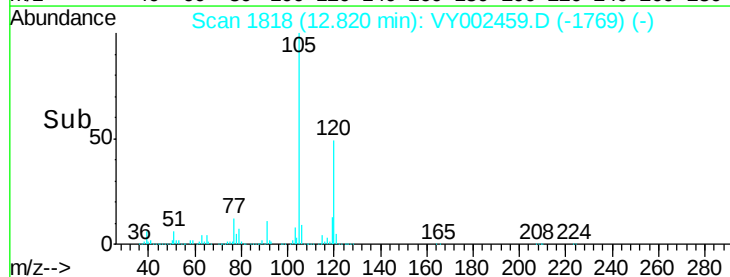
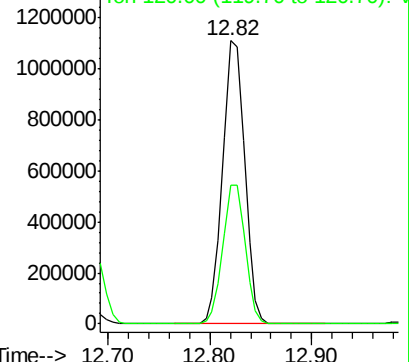
Ion Ratio Lower Upper

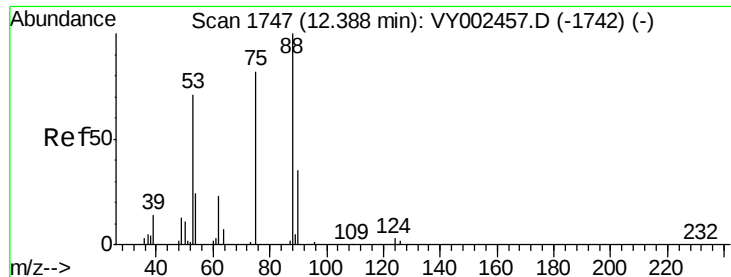
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY002457.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 182.332 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

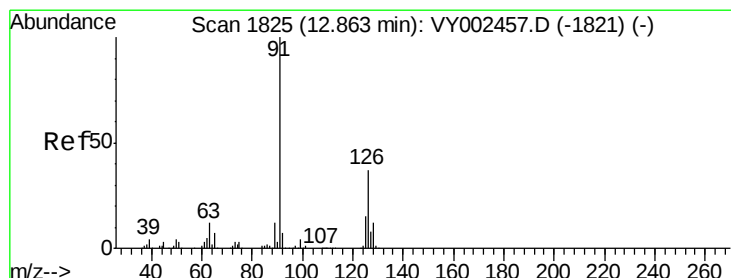
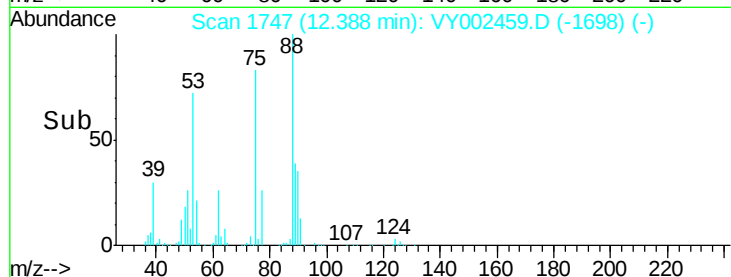
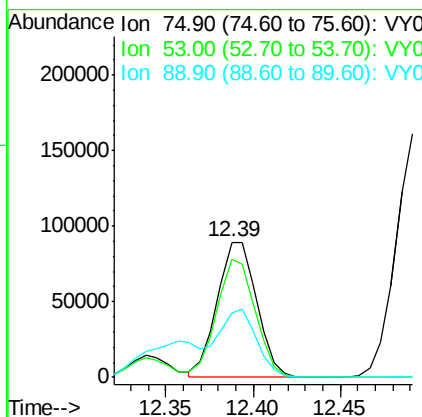
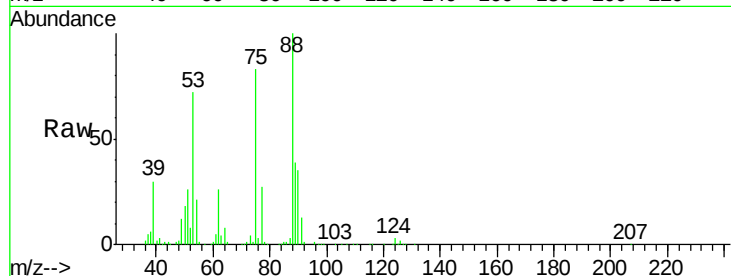
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	140243
Ion	Ratio	Lower	Upper
75	100		
53	85.5	70.0	105.0
89	49.9	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 159.202 ug/l

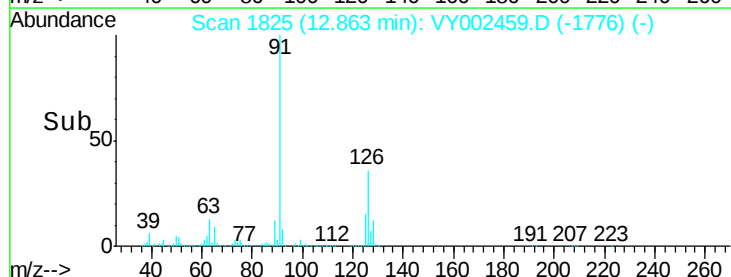
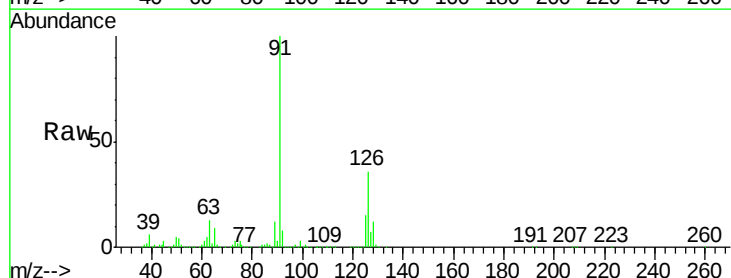
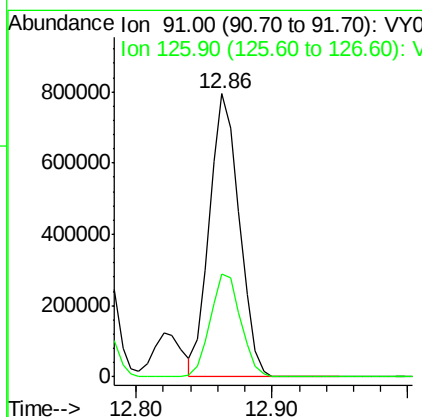
RT: 12.86 min Scan# 1825

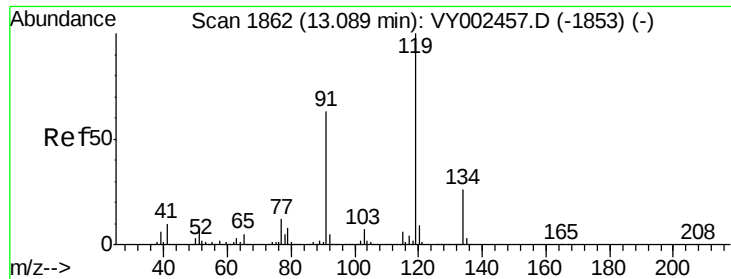
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	91	Resp:	1204780
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5





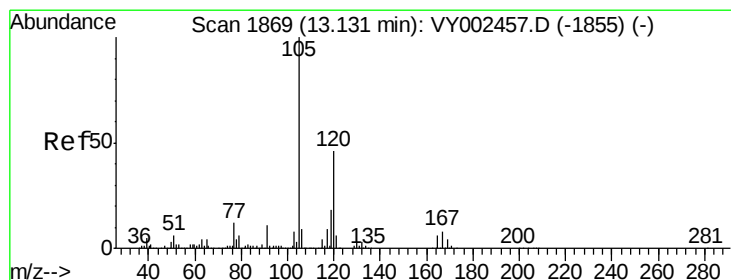
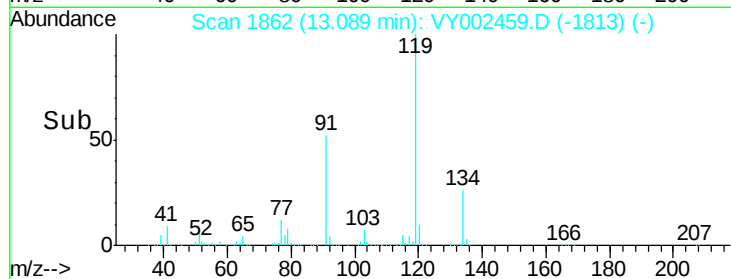
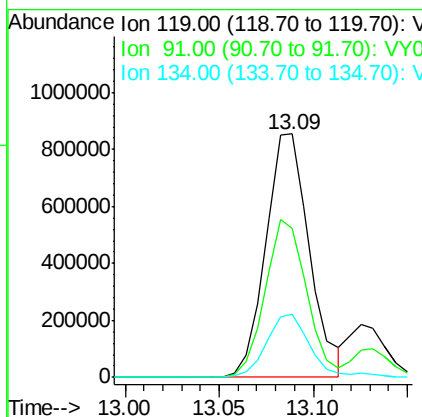
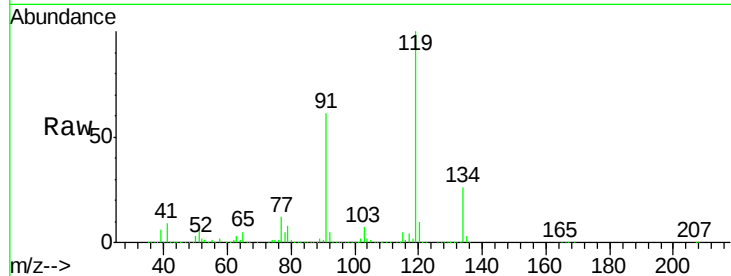
#83
 tert-Butylbenzene
 Concen: 161.717 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1369580
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.8 92.3
 134 26.1 13.2 39.6

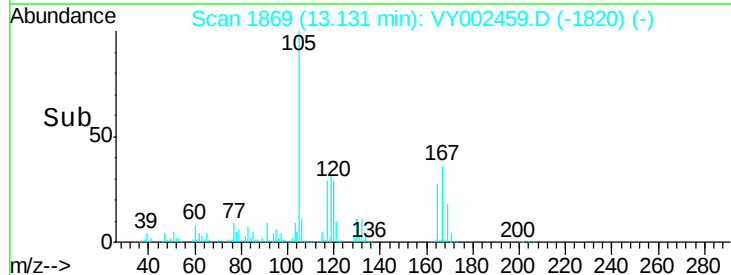
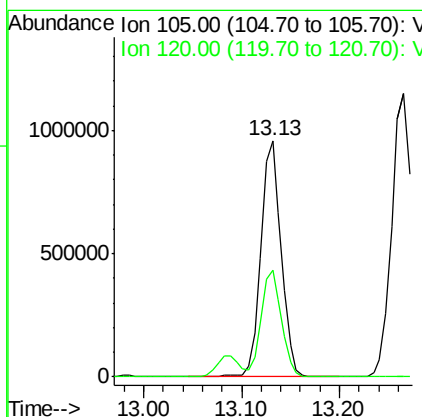
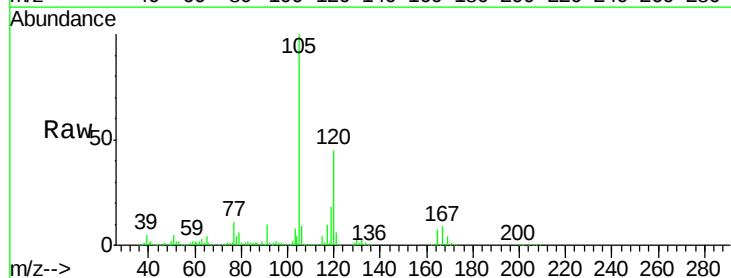
Manual Integrations
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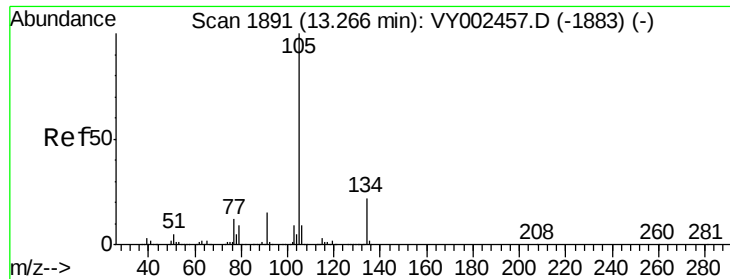
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#84
 1,2,4-Trimethylbenzene
 Concen: 142.735 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion:105 Resp: 1373112
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 146.991 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1698652

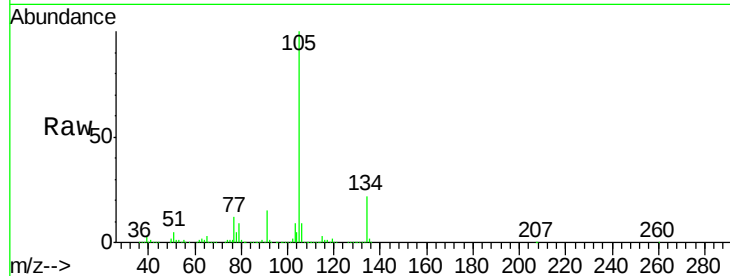
Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

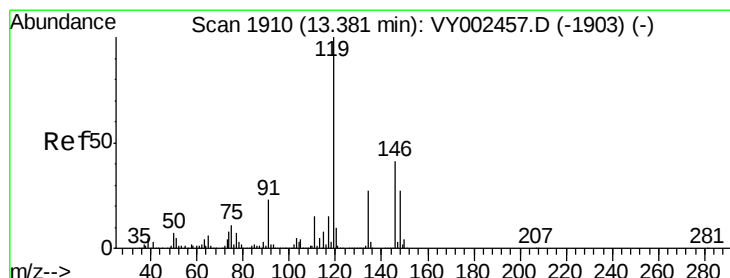
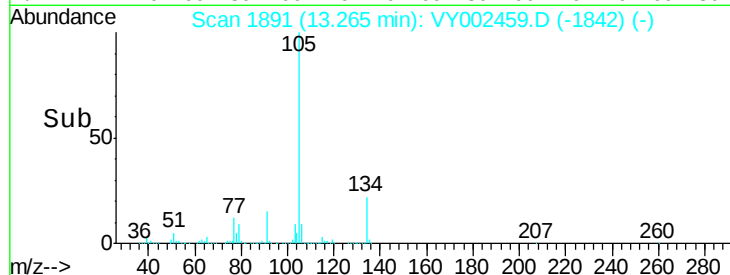
13.27

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 152.393 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

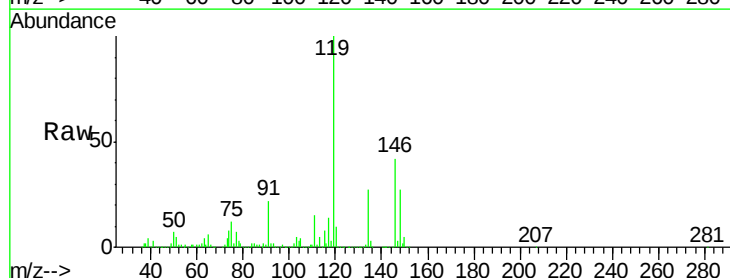
Tgt Ion:119 Resp: 1670005

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.0 11.5 34.4



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

13.38

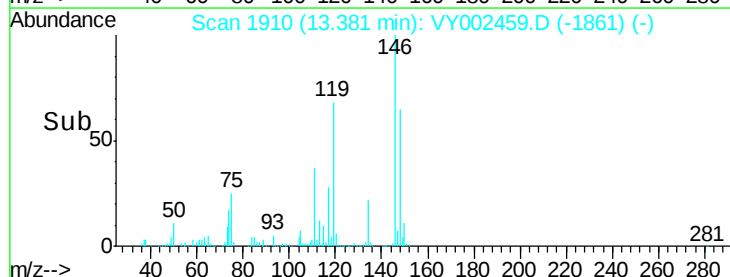
1500000

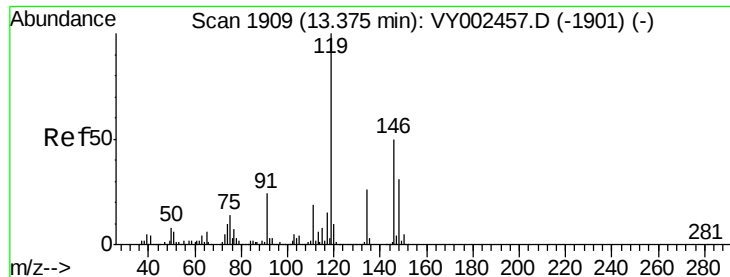
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 150.080 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

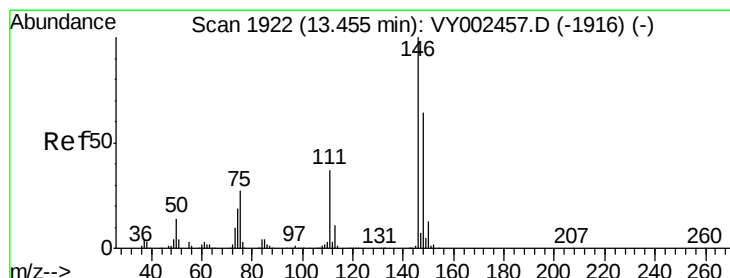
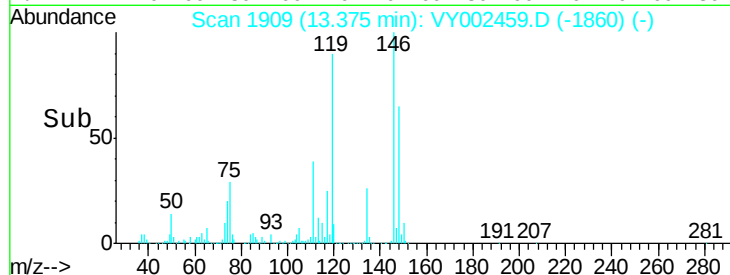
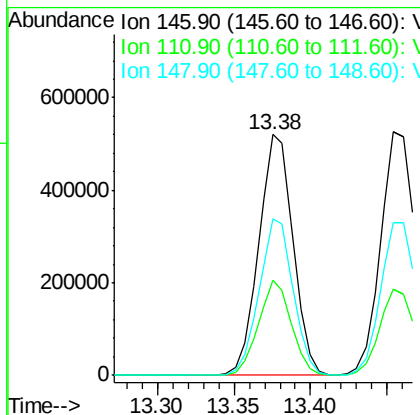
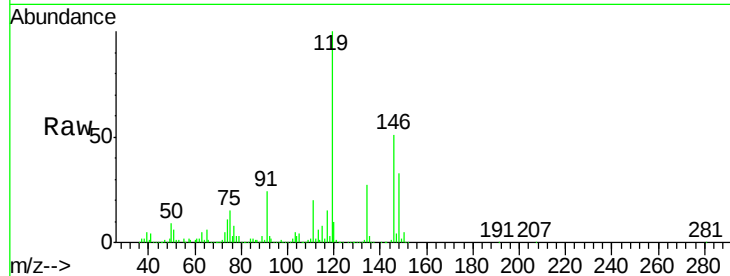
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	812468
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.3
148	64.2	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 153.397 ug/l

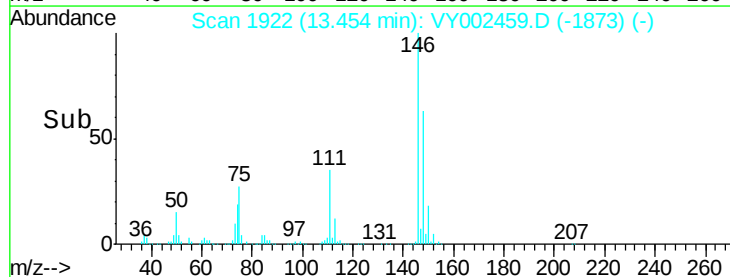
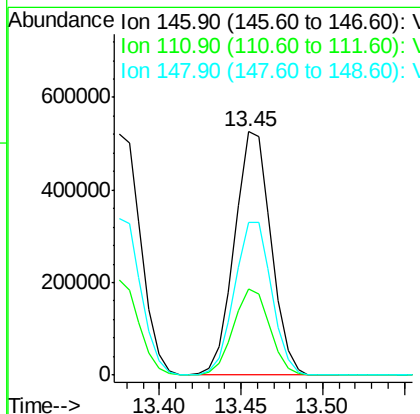
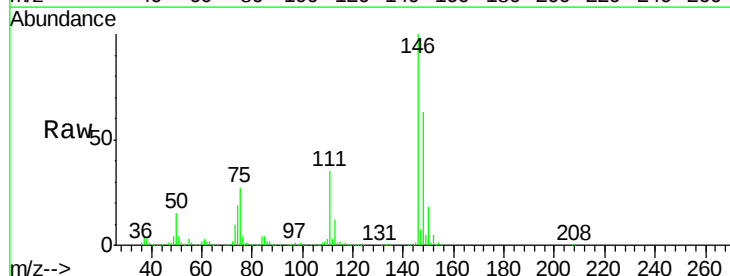
RT: 13.45 min Scan# 1922

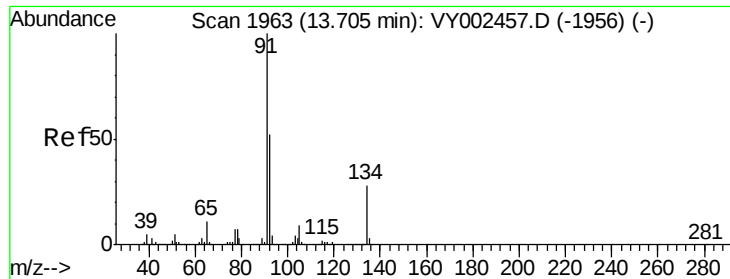
Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion:	146	Resp:	821284
Ion Ratio	Lower	Upper	
146	100		
111	35.2	18.1	54.1
148	64.0	32.1	96.5





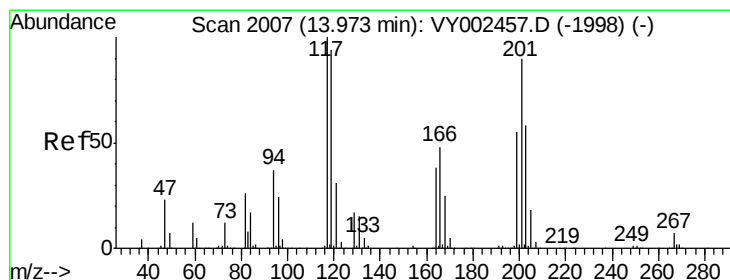
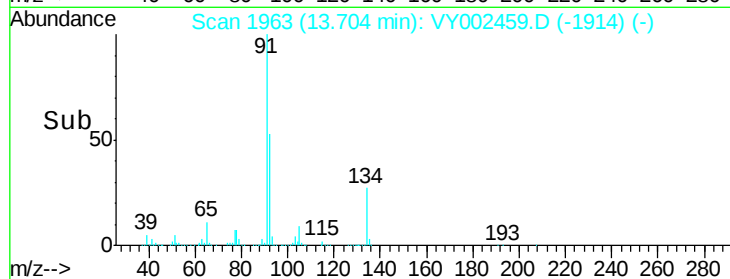
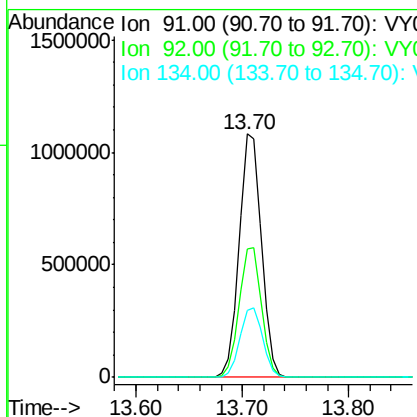
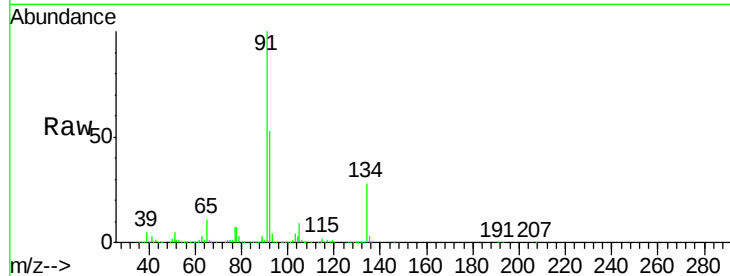
#89
n-Butylbenzene
Concen: 160.183 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.4
134	29.0	14.3	42.9

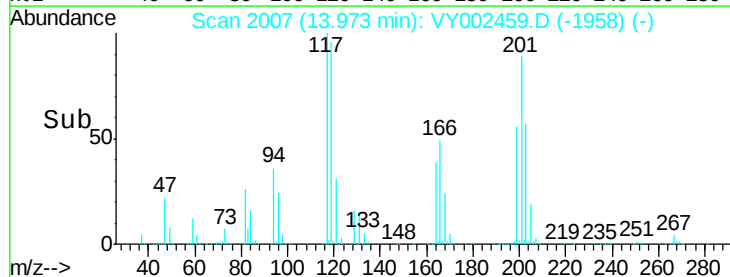
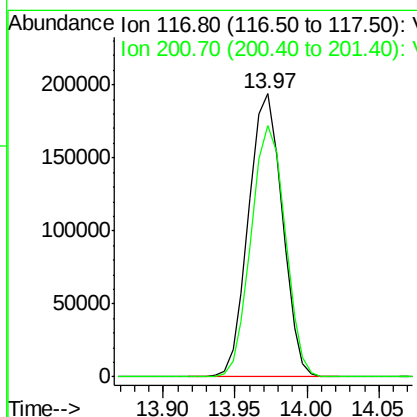
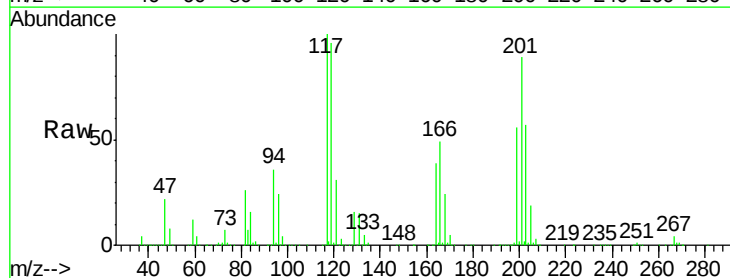
Manual Integrations
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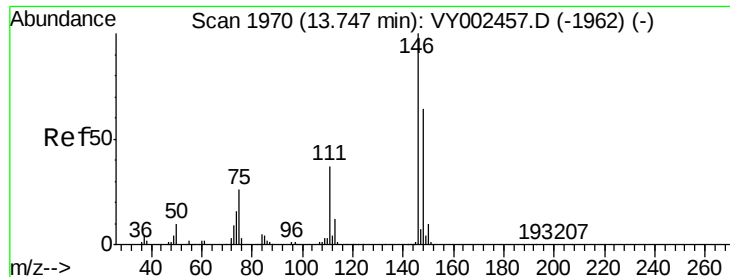
MMDadoda
4/24/2020 1:33:37 PM



#90
Hexachloroethane
Concen: 161.421 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 121.888 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 588598

Ion Ratio Lower Upper

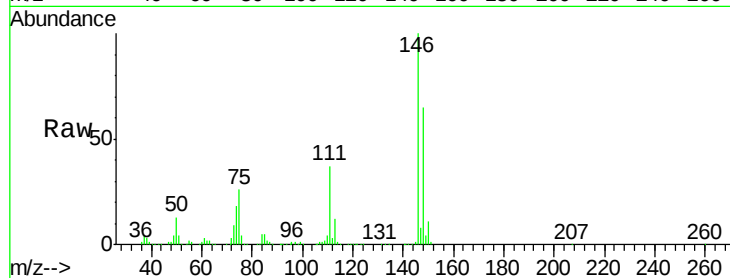
146 100

111 38.7 18.9 56.9

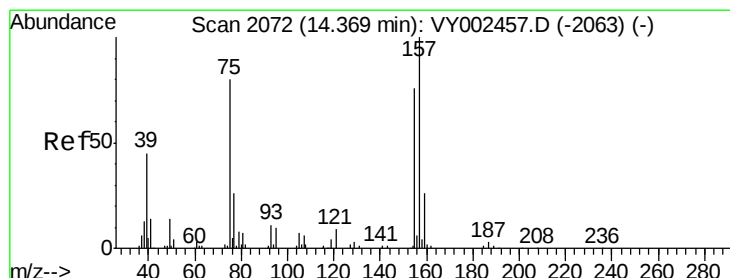
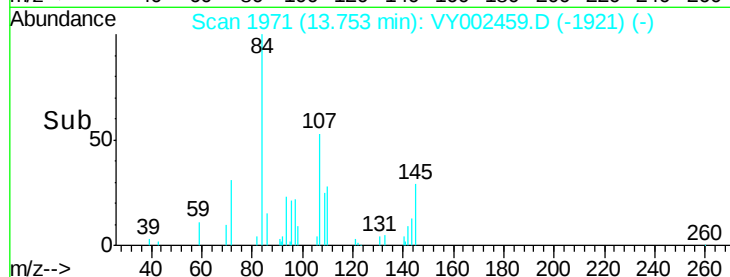
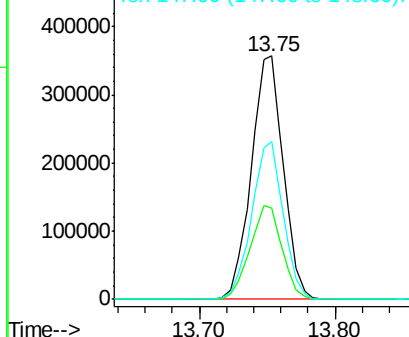
148 63.7 31.6 94.7

Manual Integrations
APPROVED

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 182.310 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

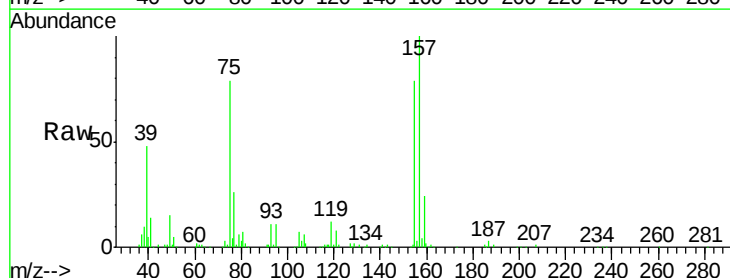
Tgt Ion: 75 Resp: 62159

Ion Ratio Lower Upper

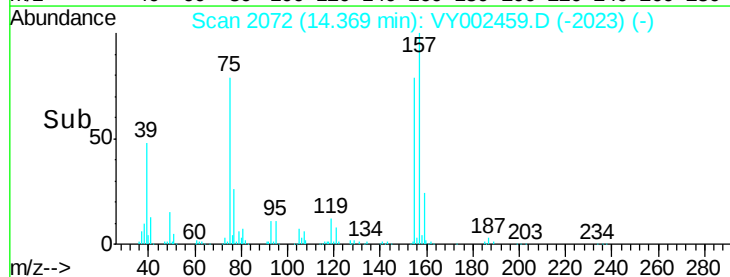
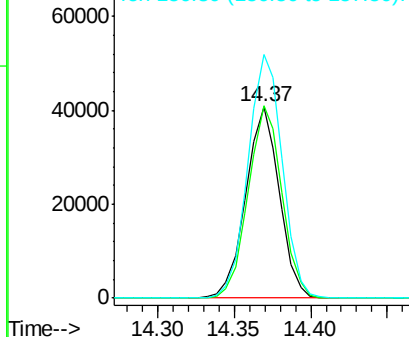
75 100

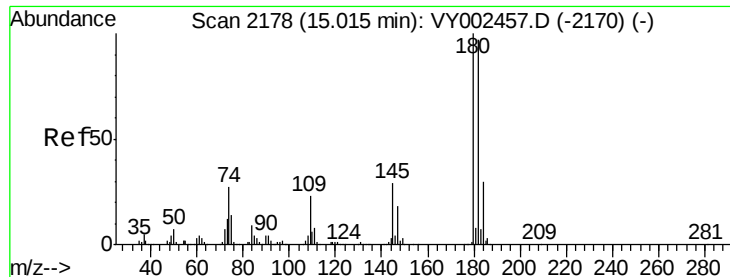
155 100.8 49.6 149.0

157 130.3 62.6 187.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





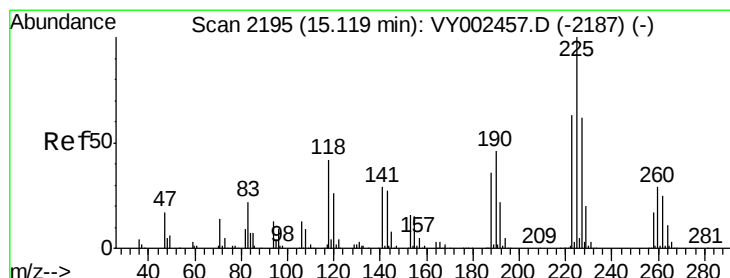
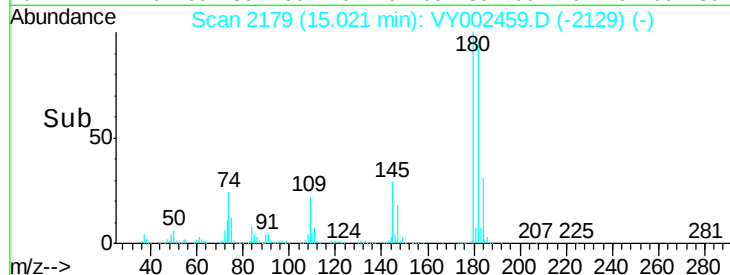
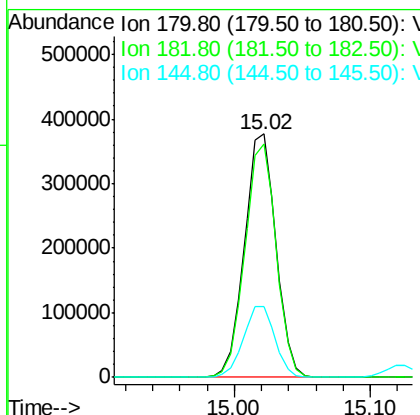
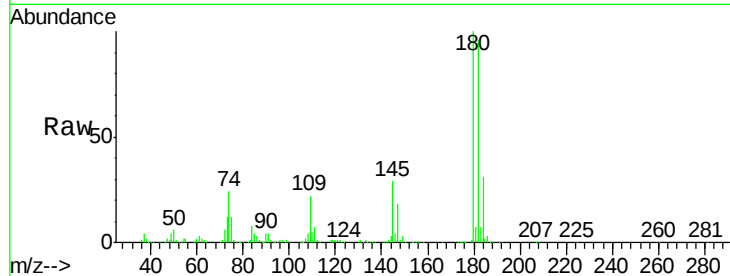
#93
 1,2,4-Trichlorobenzene
 Concen: 170.382 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	607645		
182	95.5	47.9	143.7	
145	29.2	14.2	42.6	

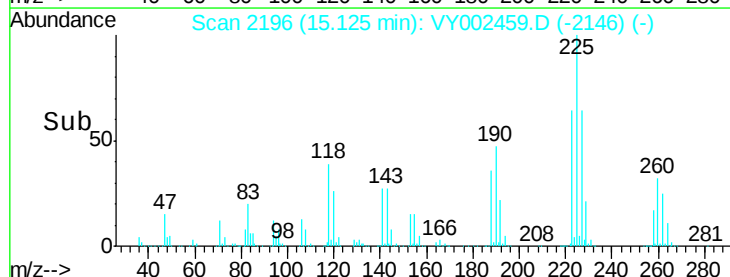
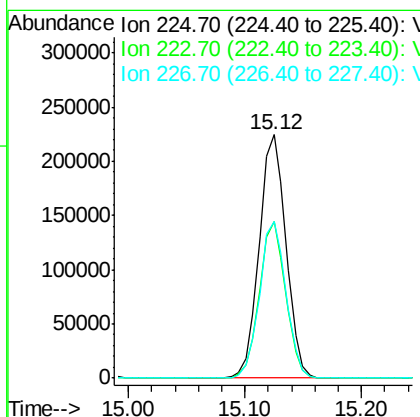
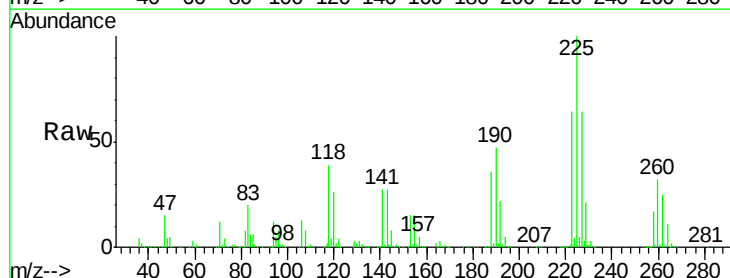
Manual Integrations
 APPROVED

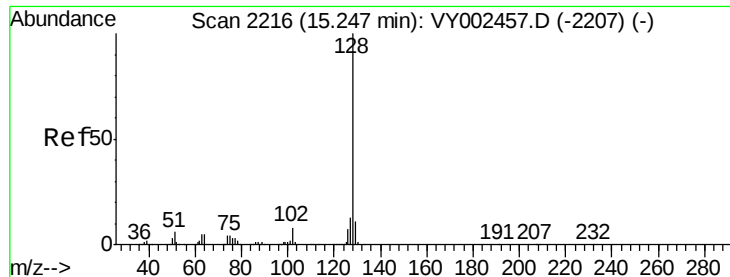
MMDadoda
 4/24/2020 1:33:37 PM



#94
 Hexachlorobutadiene
 Concen: 165.571 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	357132		
223	63.3	31.1	93.3	
227	63.6	31.5	94.5	





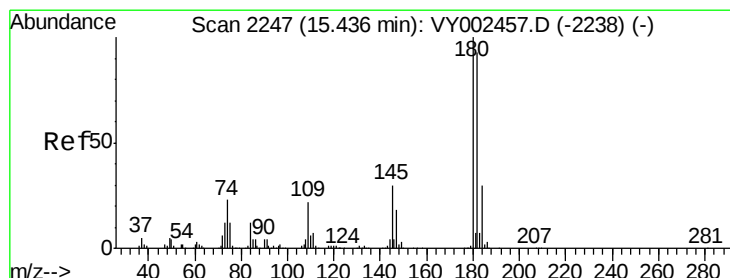
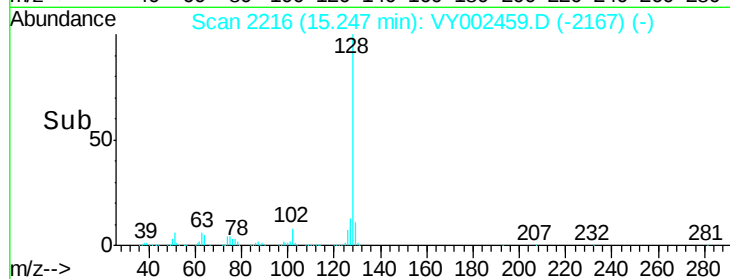
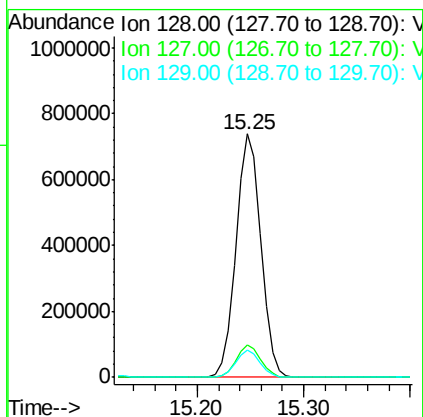
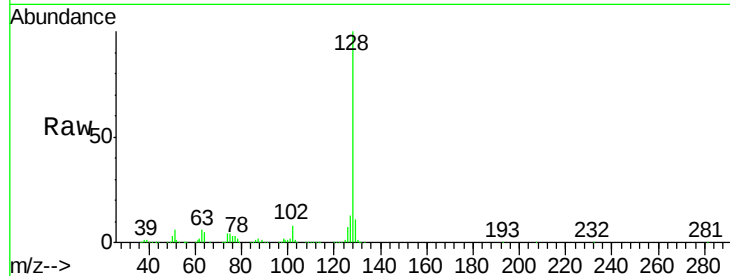
#95
Naphthalene
Concen: 184.398 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 175.102 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	30.2	15.3	45.9

