

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003525.D
 Acq On : 12 Nov 2020 11:06
 Operator : SY/MD
 Sample : VY1112SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Manual Integrations
 APPROVED

SAM
 11/13/2020 6:13:43 PM

Quant Time: Nov 13 02:13:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	224283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	315269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	289158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	153918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	109766	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
35) Dibromofluoromethane	7.72	113	95939	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.18	98	385372	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.48	95	130641	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	38764	21.844	ug/l	99
3) Chloromethane	2.12	50	52437	22.446	ug/l	99
4) Vinyl Chloride	2.26	62	58337	22.246	ug/l	98
5) Bromomethane	2.65	94	43005	19.628	ug/l	99
6) Chloroethane	2.80	64	35211	22.528	ug/l	100
7) Trichlorofluoromethane	3.13	101	73163	21.980	ug/l	100
8) Diethyl Ether	3.54	74	22779	22.316	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	41176	22.382	ug/l	99
10) Methyl Iodide	4.10	142	41142	24.386	ug/l	99
11) Tert butyl alcohol	4.95	59	45642	195.204	ug/l #	91
12) 1,1-Dichloroethene	3.88	96	40501	22.127	ug/l	98
13) Acrolein	3.74	56	16221	85.008	ug/l	97
14) Allyl chloride	4.49	41	72536	21.721	ug/l	99
15) Acrylonitrile	5.17	53	57902	106.270	ug/l	99
16) Acetone	3.95	43	74472	98.182	ug/l	95
17) Carbon Disulfide	4.20	76	121933	20.563	ug/l	100
18) Methyl Acetate	4.48	43	32052	22.361	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	104106	22.963	ug/l	100
20) Methylene Chloride	4.72	84	47855	22.403	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	46860	22.109	ug/l	98
22) Diisopropyl ether	6.12	45	135894	23.201	ug/l	97
23) Vinyl Acetate	6.07	43	482461	109.612	ug/l	100
24) 1,1-Dichloroethane	6.02	63	83405	22.408	ug/l	98
25) 2-Butanone	6.99	43	99288	104.660	ug/l	100
26) 2,2-Dichloropropane	6.99	77	81796	23.589	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	52092	22.682	ug/l	98
28) Bromochloromethane	7.34	49	37710	20.139	ug/l	98
29) Tetrahydrofuran	7.35	42	52196	105.295	ug/l	99
30) Chloroform	7.51	83	83748	22.908	ug/l	96
31) Cyclohexane	7.78	56	71911	20.866	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	78051	22.885	ug/l	99
36) 1,1-Dichloropropene	7.92	75	66785	22.468	ug/l	100
37) Ethyl Acetate	7.08	43	39039	21.150	ug/l	99
38) Carbon Tetrachloride	7.90	117	70177	22.757	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	72368	21.865	ug/l	99
40) Benzene	8.16	78	186220	22.512	ug/l	99
41) Methacrylonitrile	7.32	41	17866m	18.126	ug/l	
42) 1,2-Dichloroethane	8.24	62	59095	22.799	ug/l	100
43) Isopropyl Acetate	8.27	43	73406	22.129	ug/l	99
44) Trichloroethene	8.94	130	53155	22.889	ug/l	97
45) 1,2-Dichloropropane	9.22	63	47524	22.749	ug/l	99
46) Dibromomethane	9.31	93	25966	22.593	ug/l	97
47) Bromodichloromethane	9.50	83	66511	23.644	ug/l	99
48) Methyl methacrylate	9.29	41	33894	21.691	ug/l	98
49) 1,4-Dioxane	9.30	88	6368	444.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	196020	110.908	ug/l	99
52) Toluene	10.24	92	118291	22.863	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	68732	22.960	ug/l	97
54) cis-1,3-Dichloropropene	9.92	75	78089	23.181	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	37169	22.782	ug/l	97
56) Ethyl methacrylate	10.51	69	49104	22.471	ug/l	99
57) 1,3-Dichloropropane	10.79	76	65645	23.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	124838	112.691	ug/l	99
59) 2-Hexanone	10.83	43	141243	107.935	ug/l	99
60) Dibromochloromethane	10.98	129	47203	23.540	ug/l	100
61) 1,2-Dibromoethane	11.09	107	35027	22.239	ug/l	100
64) Tetrachloroethene	10.72	164	50884	23.563	ug/l	99
65) Chlorobenzene	11.52	112	128623	22.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	50334	23.759	ug/l	99
67) Ethyl Benzene	11.59	91	232214	22.797	ug/l	99
68) m/p-Xylenes	11.70	106	176861	45.817	ug/l	99
69) o-Xylene	12.03	106	81101	22.840	ug/l	98
70) Styrene	12.04	104	140228	23.258	ug/l	100
71) Bromoform	12.20	173	32369	22.922	ug/l #	99
73) Isopropylbenzene	12.33	105	225020	22.380	ug/l	99
74) N-amyl acetate	12.14	43	62315	21.880	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	45837	21.343	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	30858m	18.948	ug/l	
77) Bromobenzene	12.61	156	59135	23.149	ug/l	96
78) n-propylbenzene	12.67	91	265438	22.413	ug/l	99
79) 2-Chlorotoluene	12.75	91	149264	22.559	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	191629	23.003	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	16646	21.334	ug/l	98
82) 4-Chlorotoluene	12.85	91	158600	22.937	ug/l	100
83) tert-Butylbenzene	13.07	119	164768	22.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	190942	22.934	ug/l	100
85) sec-Butylbenzene	13.25	105	228555	22.846	ug/l	100
86) p-Isopropyltoluene	13.37	119	213744	23.038	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	108676	22.837	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	108734	22.978	ug/l	99
89) n-Butylbenzene	13.69	91	196467	23.184	ug/l	100
90) Hexachloroethane	13.95	117	36047	23.086	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	98508	23.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	8369	21.527	ug/l	95

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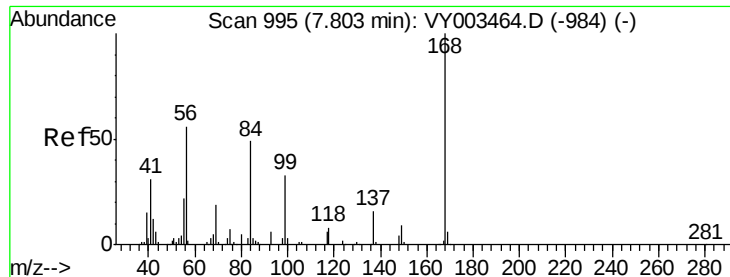
Manual Integrations
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SAM
11/13/2020 6:13:43 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	73056	24.431	ug/l	99
94) Hexachlorobutadiene	15.11	225	47363	24.622	ug/l	99
95) Naphthalene	15.23	128	133292	22.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	64504	23.981	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion:168 Resp: 224283

Ion Ratio Lower Upper

168 100

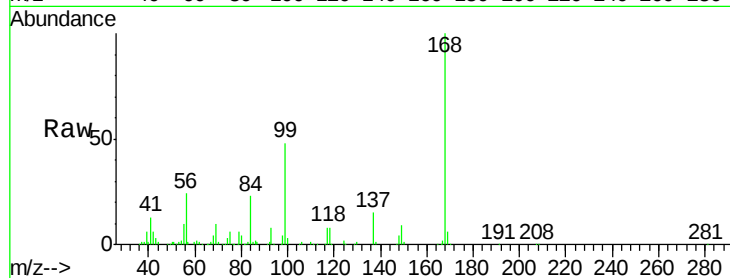
99 47.9 39.7 59.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

100000

80000

60000

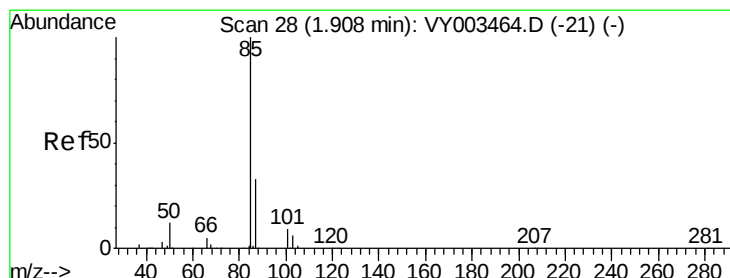
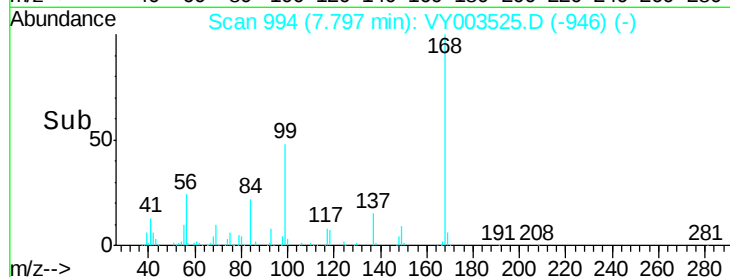
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.844 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY003525.D

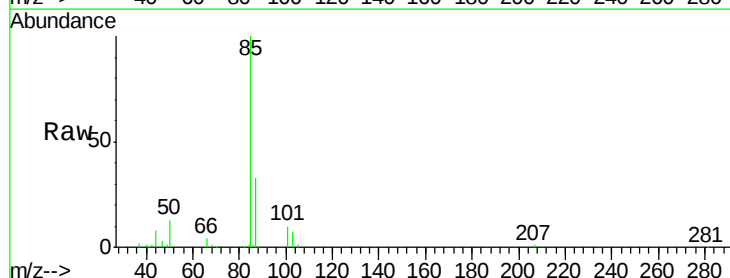
Acq: 12 Nov 2020 11:06

Tgt Ion: 85 Resp: 38764

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003464.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003464.D (-21) (-)

1.91

30000

25000

20000

15000

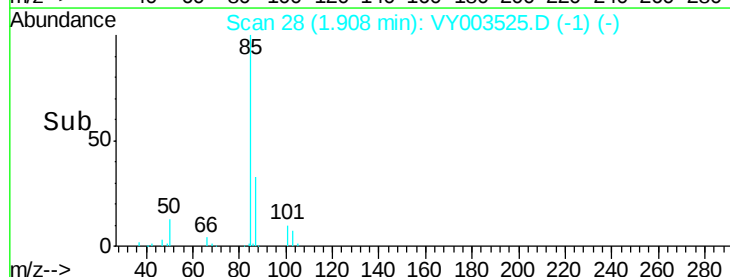
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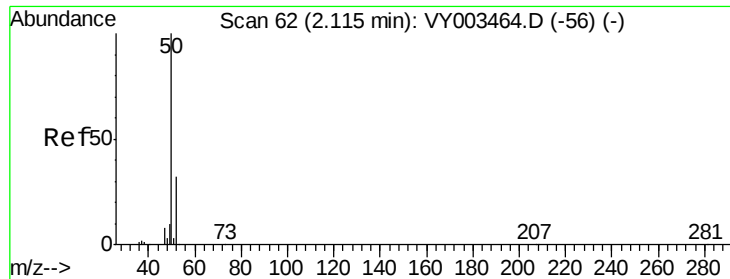
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.446 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 50 Resp: 52437

Ion Ratio Lower Upper

50 100

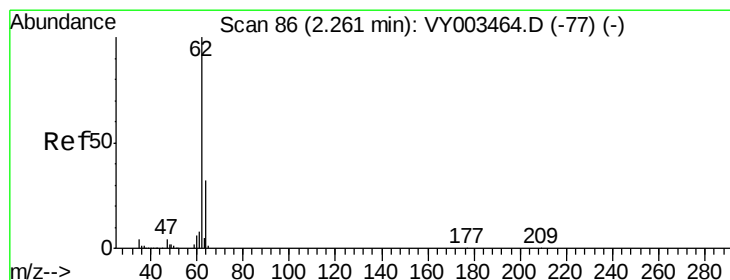
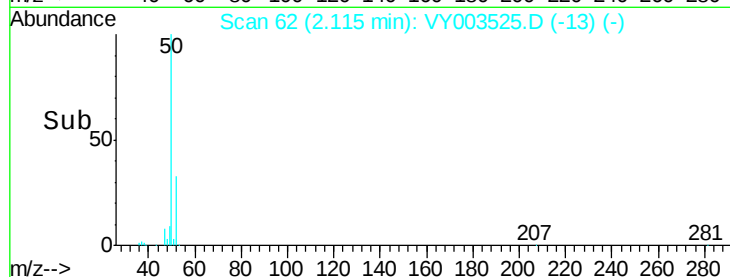
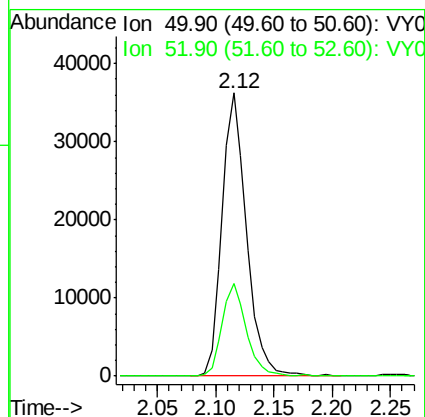
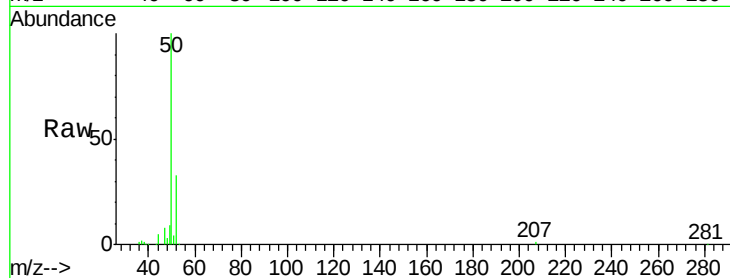
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.246 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003525.D

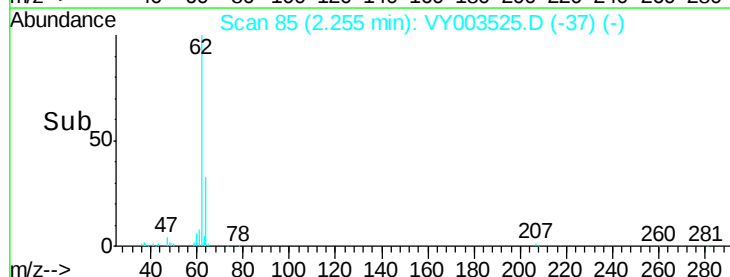
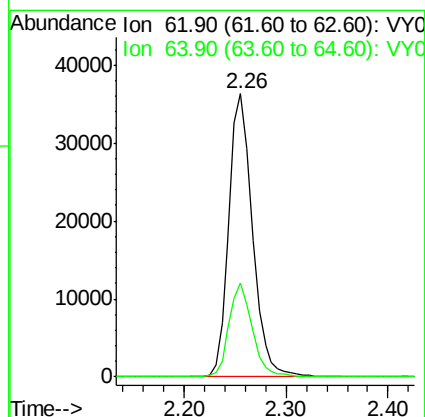
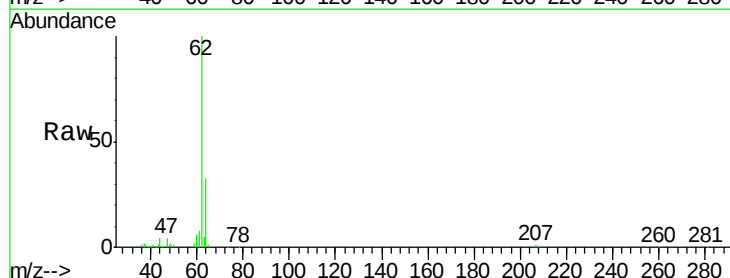
Acq: 12 Nov 2020 11:06

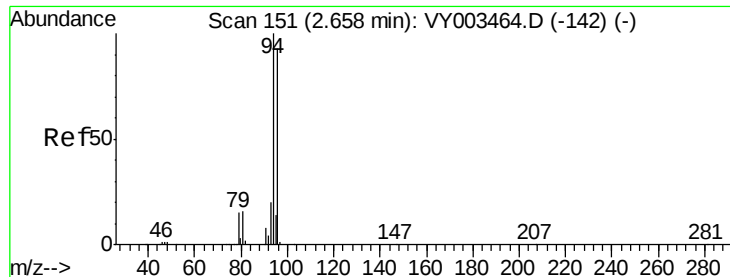
Tgt Ion: 62 Resp: 58337

Ion Ratio Lower Upper

62 100

64 33.2 25.5 38.3





#5

Bromomethane

Concen: 19.628 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 94 Resp: 43005

Ion Ratio Lower Upper

94 100

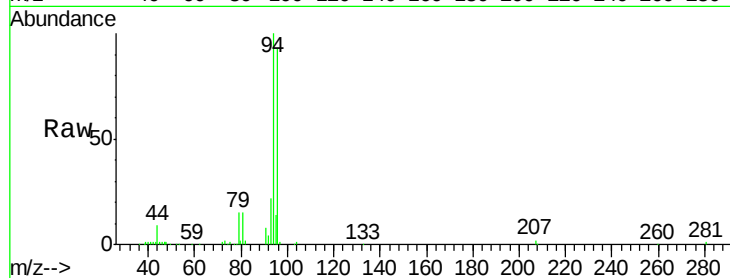
96 92.5 74.6 112.0

Manual Integrations

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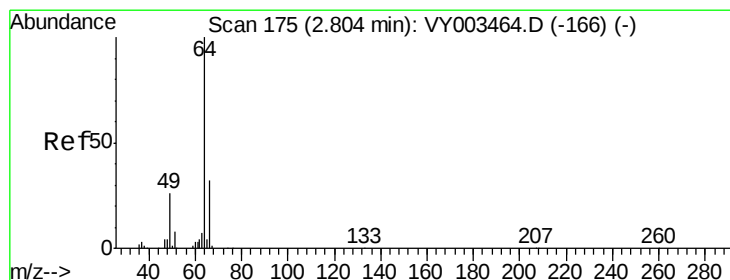
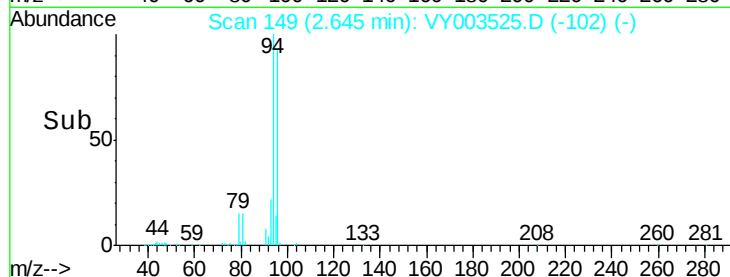
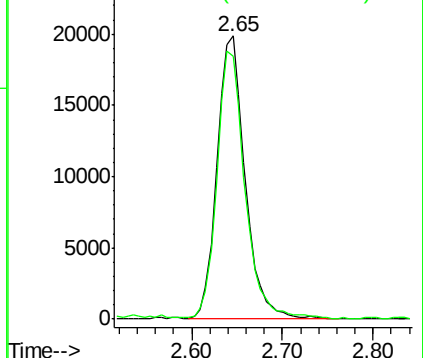
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.528 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY003525.D

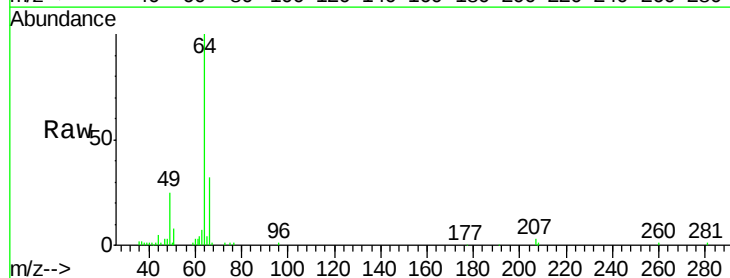
Acq: 12 Nov 2020 11:06

Tgt Ion: 64 Resp: 35211

Ion Ratio Lower Upper

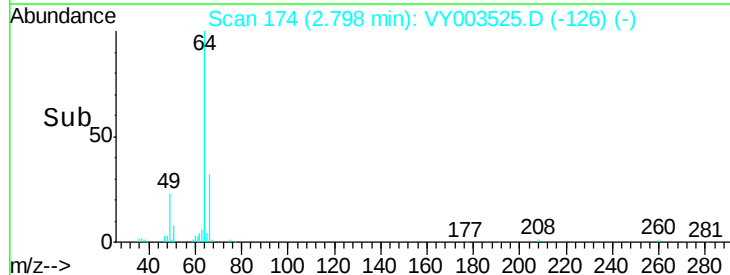
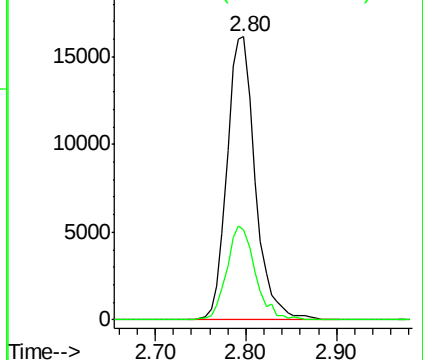
64 100

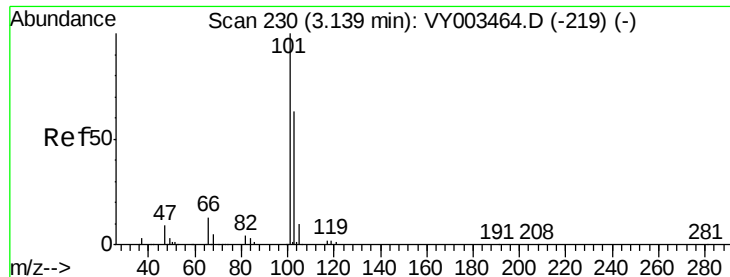
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

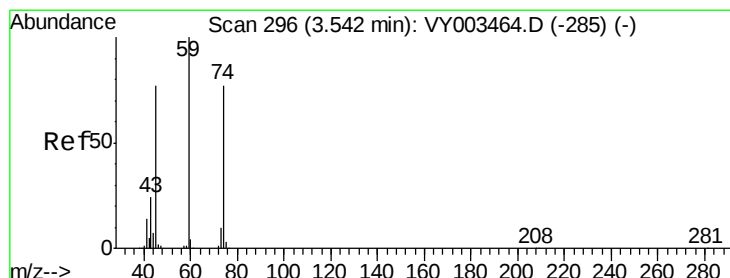
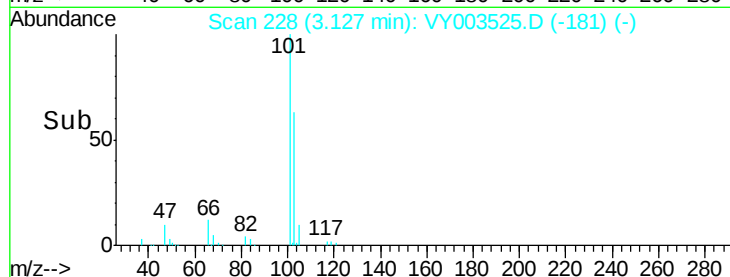
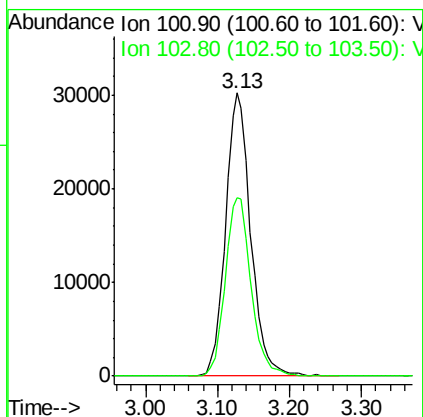
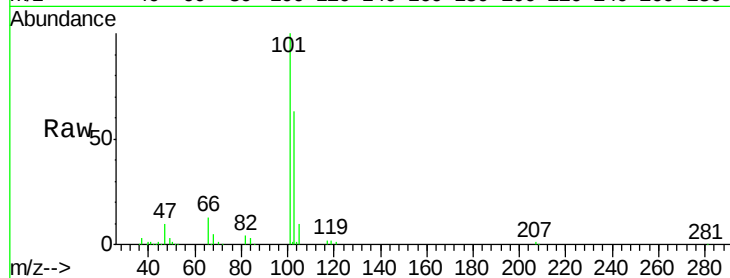
Trichlorofluoromethane
Concen: 21.980 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

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ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.7	76.1

Manual Integrations
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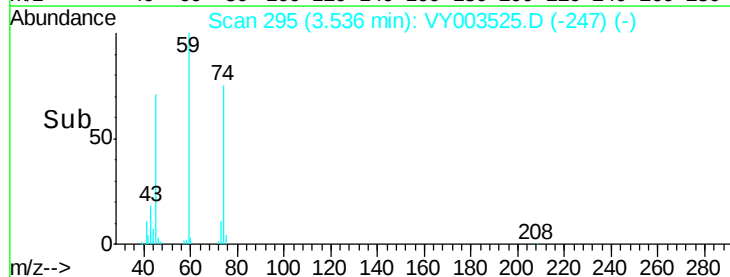
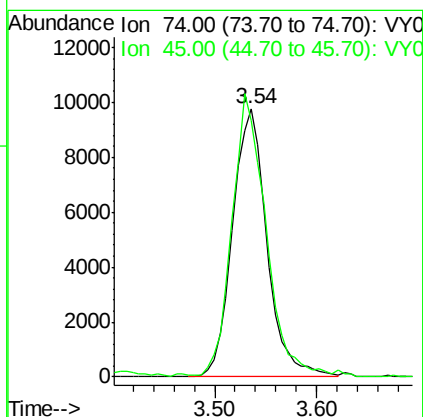
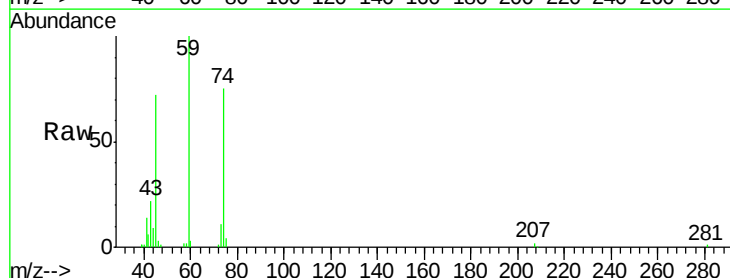
SAM
11/13/2020 6:13:43 PM

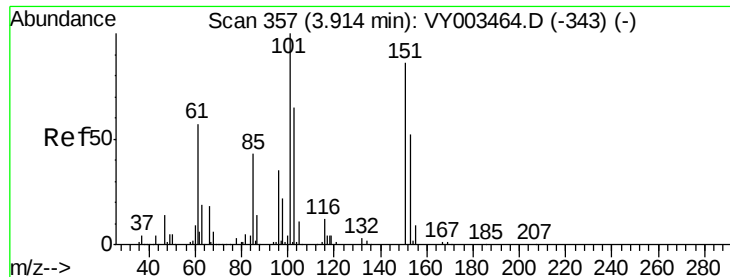


#8

Diethyl Ether
Concen: 22.316 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	50.7	152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.382 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

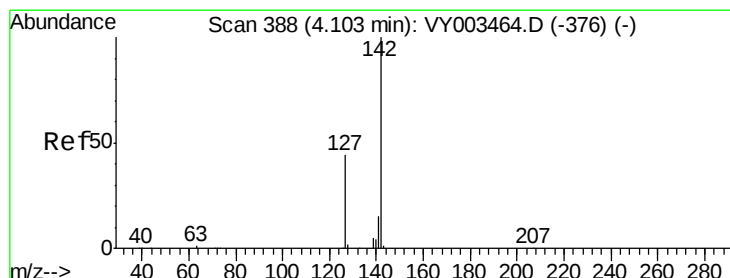
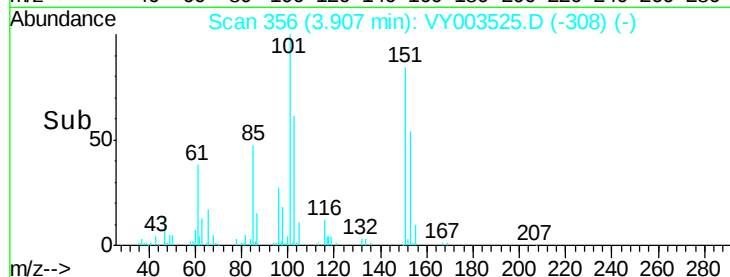
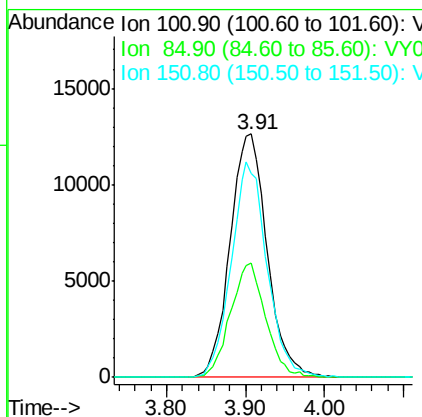
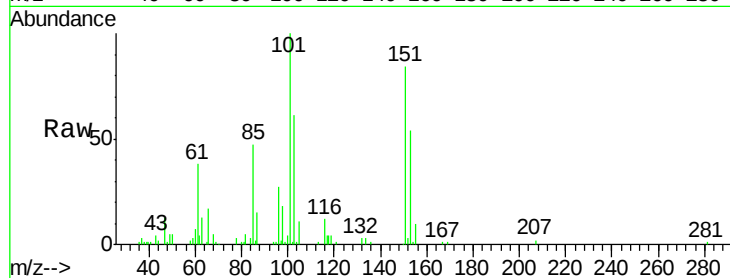
ClientSampleId :

VY1112SBS01

Tot Ion:	101	Resp:	41176
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.8
151	85.6	67.6	101.4

Manual Integrations
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#10

Methyl Iodide

Concen: 24.386 ug/l

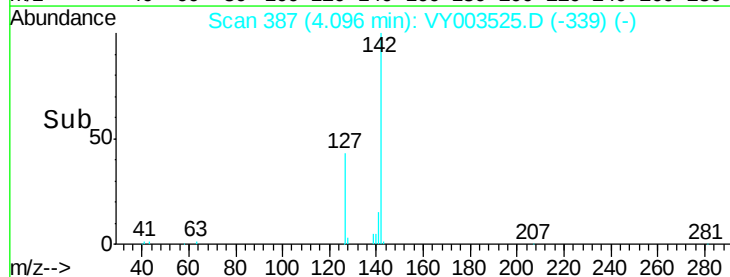
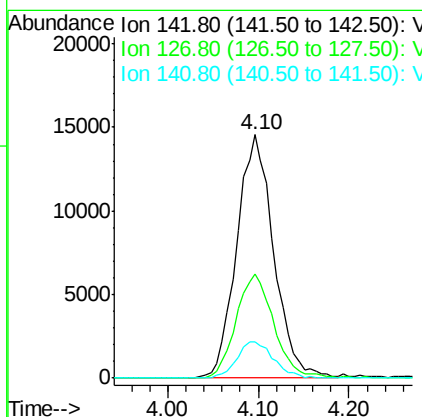
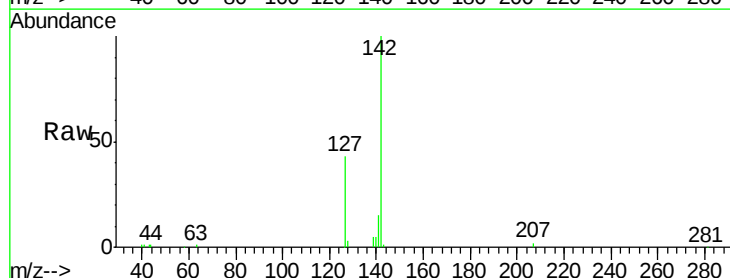
RT: 4.10 min Scan# 387

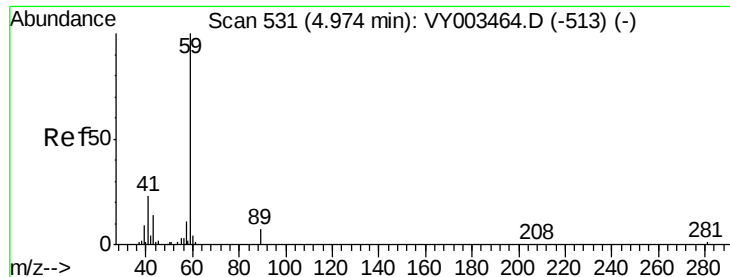
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	142	Resp:	41142
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.5	51.7
141	14.7	11.8	17.8





#11

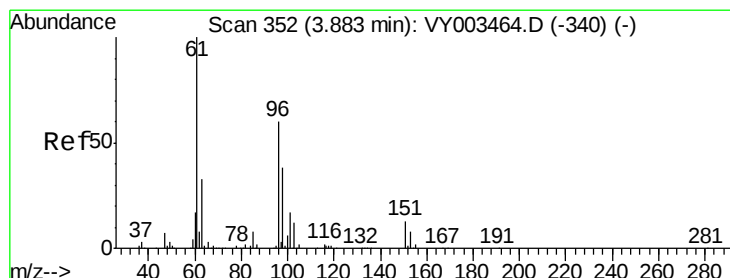
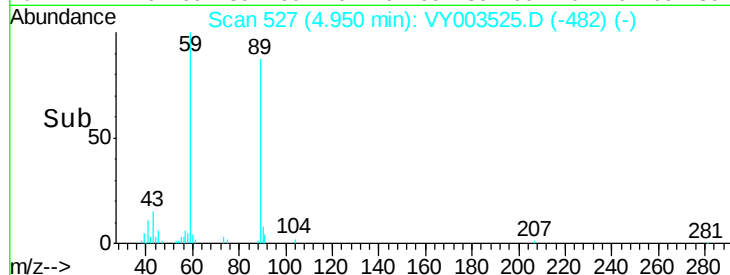
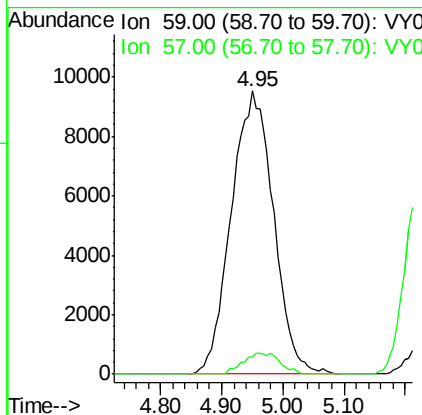
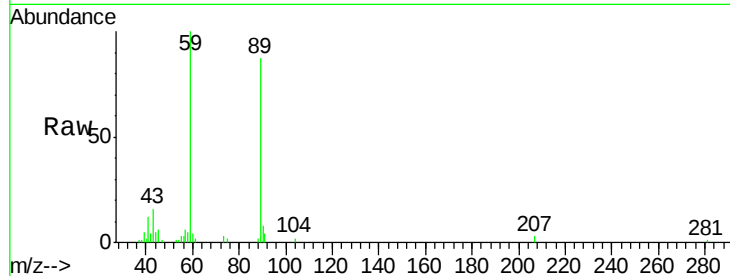
Tert butyl alcohol
Concen: 195.204 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion: 59 Resp: 45642
Ion Ratio Lower Upper
59 100
57 6.4 7.9 11.9#

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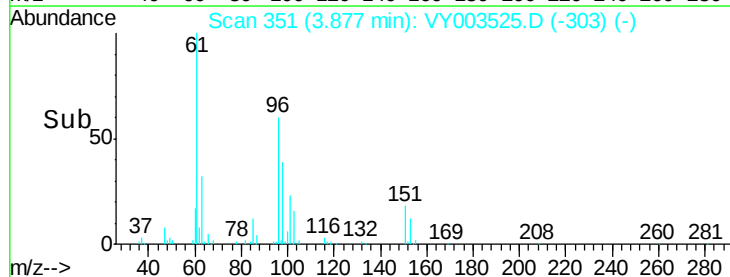
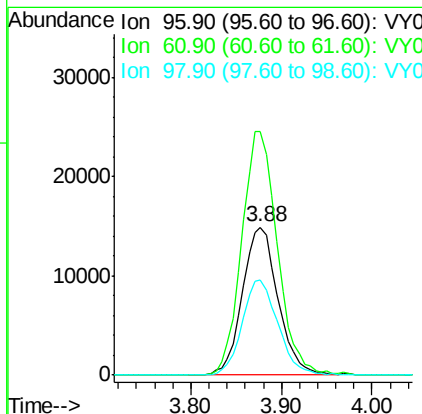
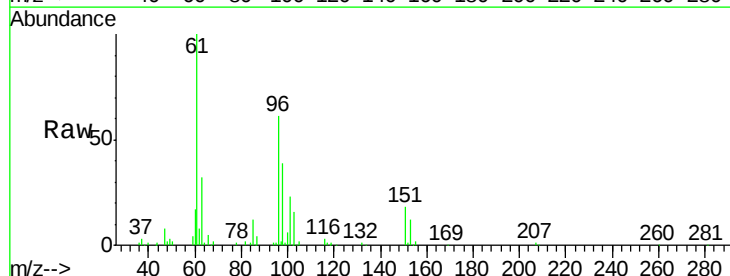
SAM
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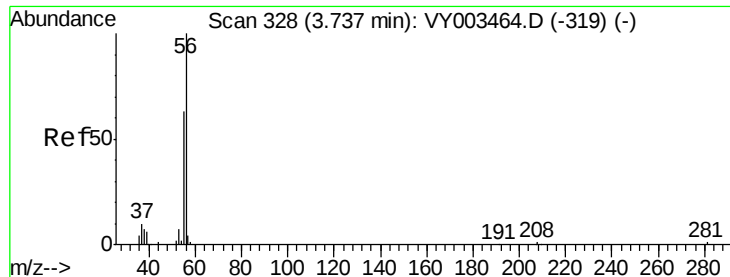


#12

1,1-Dichloroethene
Concen: 22.127 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion: 96 Resp: 40501
Ion Ratio Lower Upper
96 100
61 164.7 133.6 200.4
98 64.7 50.2 75.2





#13

Acrolein

Concen: 85.008 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 56 Resp: 16221

Ion Ratio Lower Upper

56 100

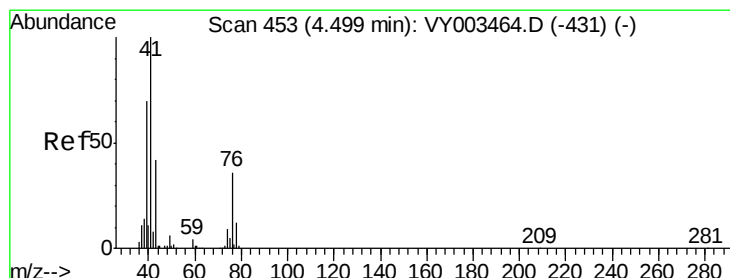
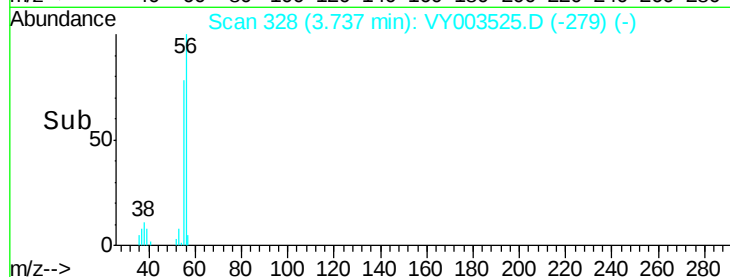
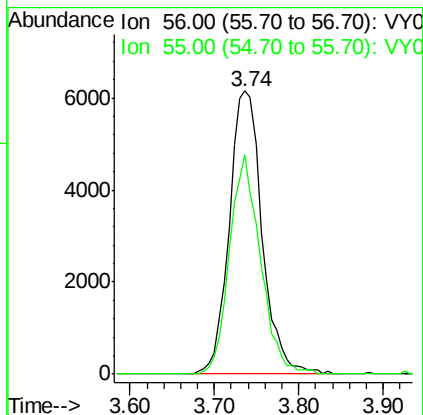
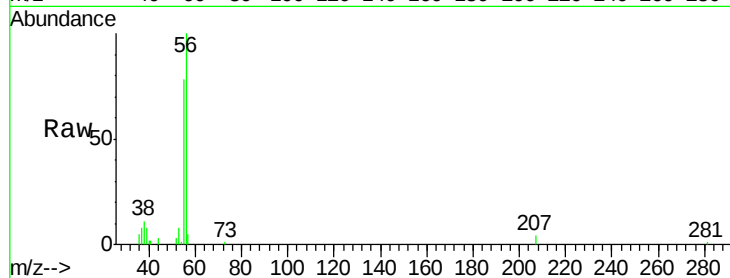
55 73.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.721 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

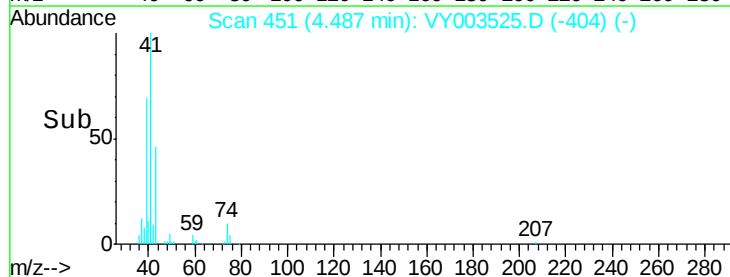
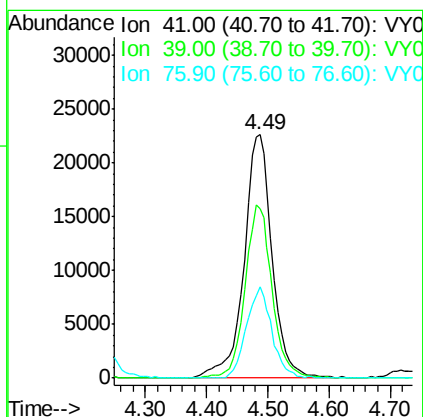
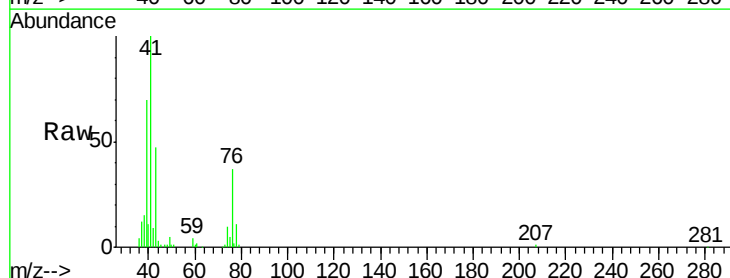
Tgt Ion: 41 Resp: 72536

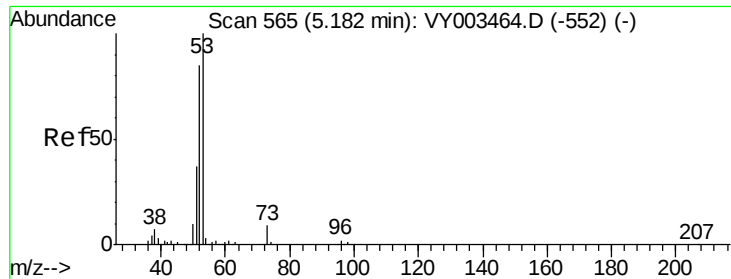
Ion Ratio Lower Upper

41 100

39 68.2 54.4 81.6

76 33.9 27.6 41.4





#15

Acrylonitrile

Concen: 106.270 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

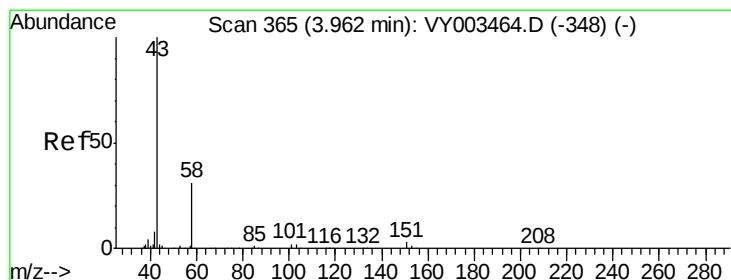
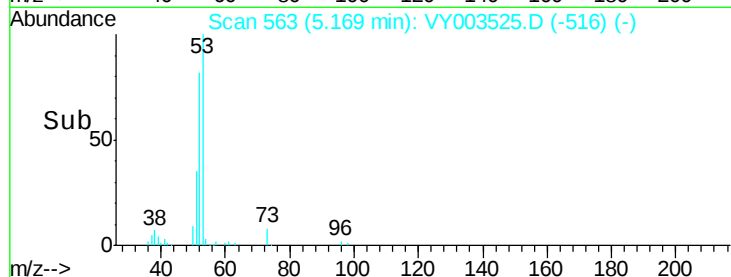
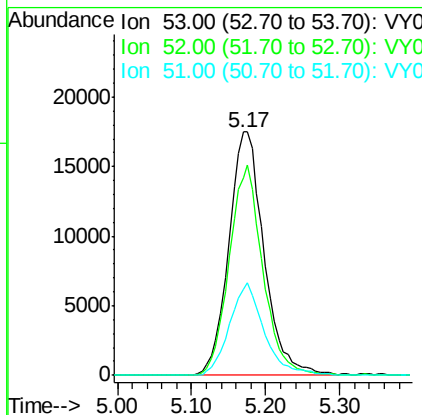
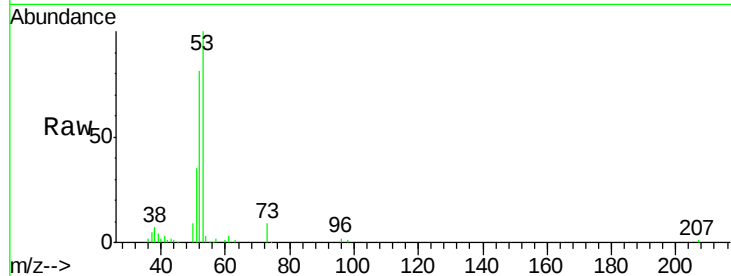
VY1112SBS01

Tot Ion:	53	Resp:	57902
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.9	100.3
51	37.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 98.182 ug/l

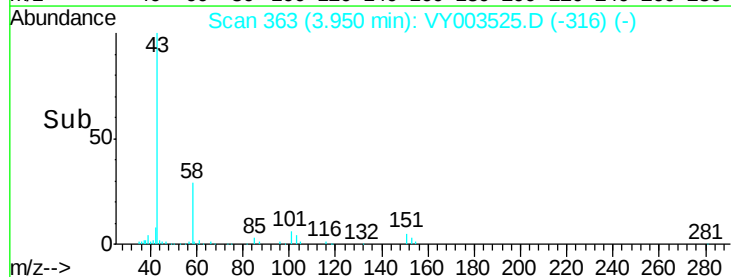
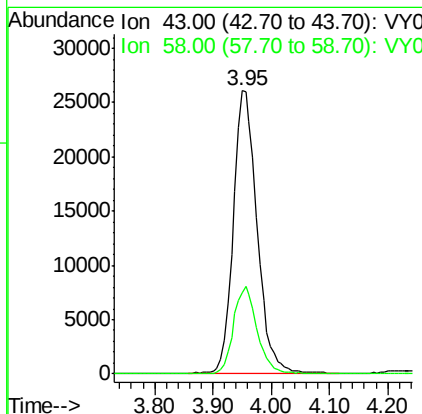
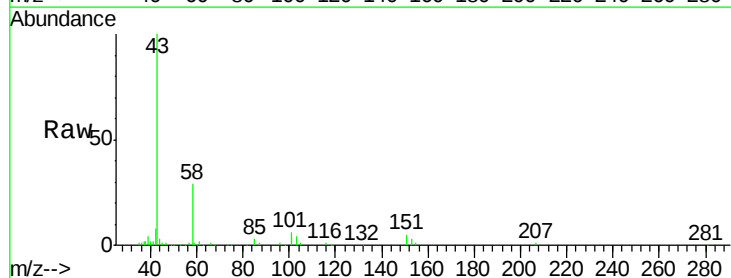
RT: 3.95 min Scan# 363

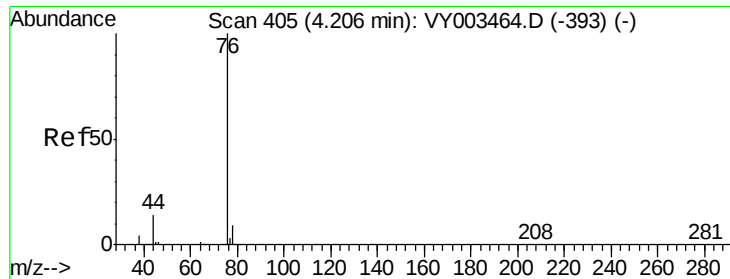
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	43	Resp:	74472
Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.0	37.4





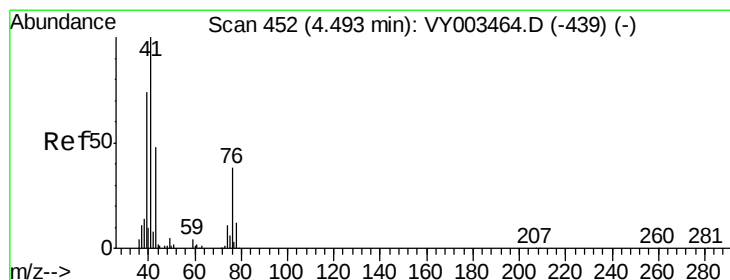
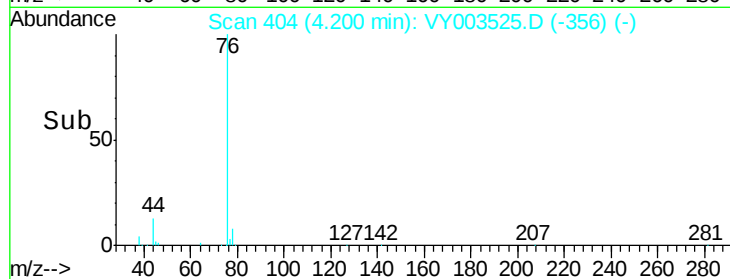
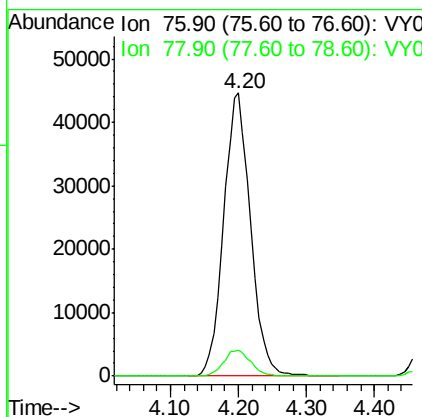
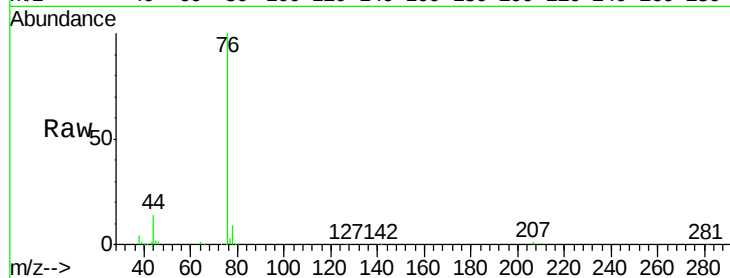
#17
Carbon Disulfide
Concen: 20.563 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

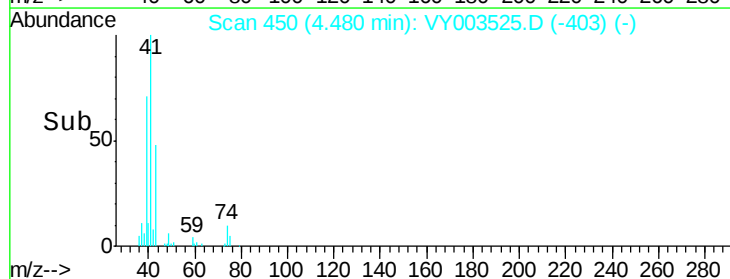
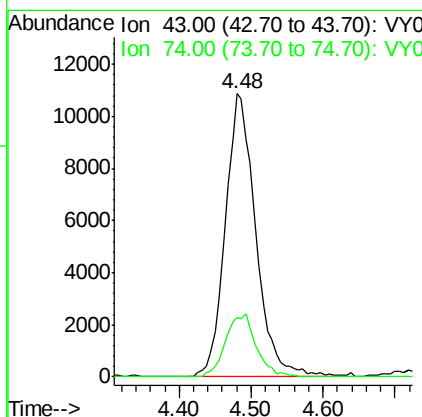
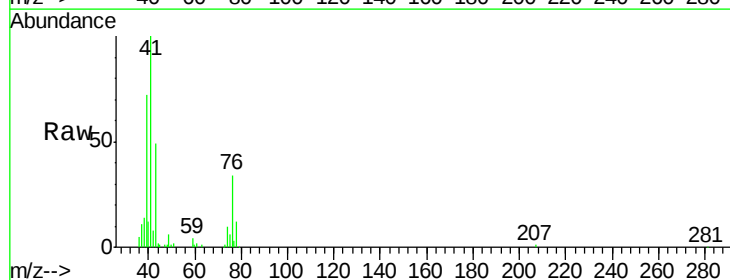
Manual Integrations
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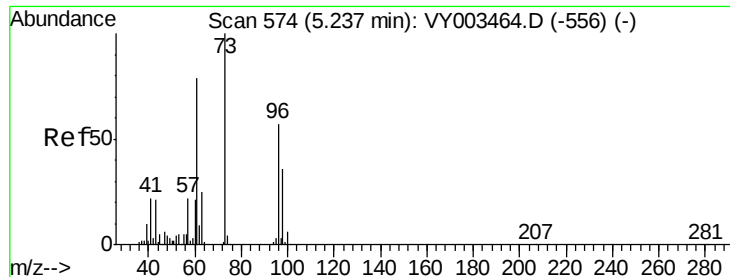
SAM
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#18
Methyl Acetate
Concen: 22.361 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.4	27.6





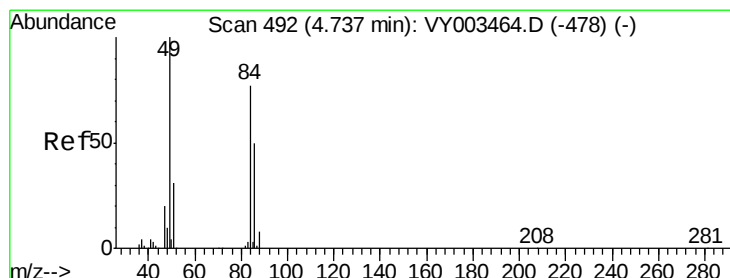
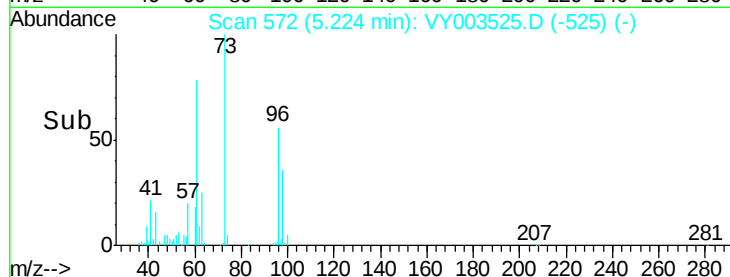
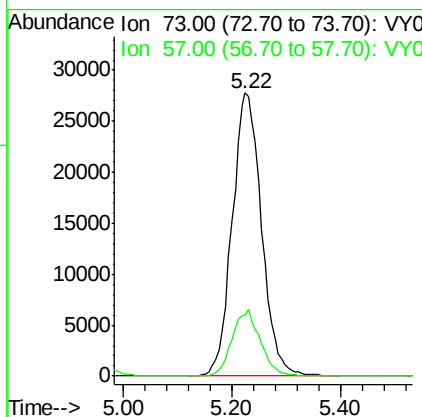
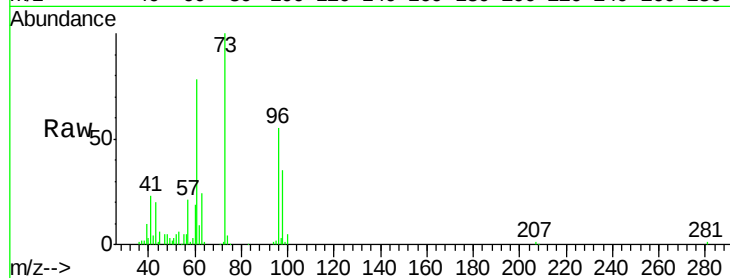
#19
Methvl tert-butvl Ether
Concen: 22.963 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.2	25.8

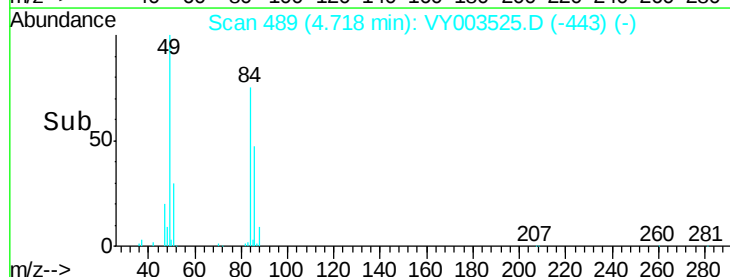
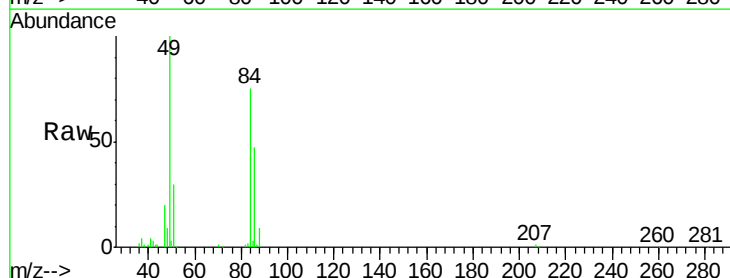
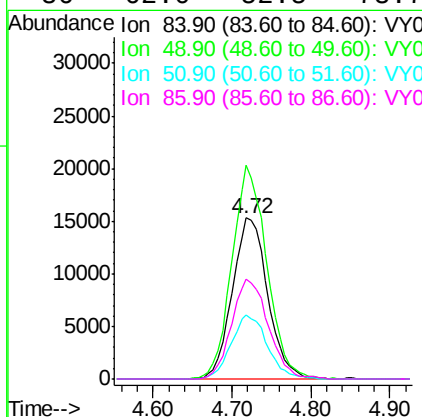
Manual Integrations
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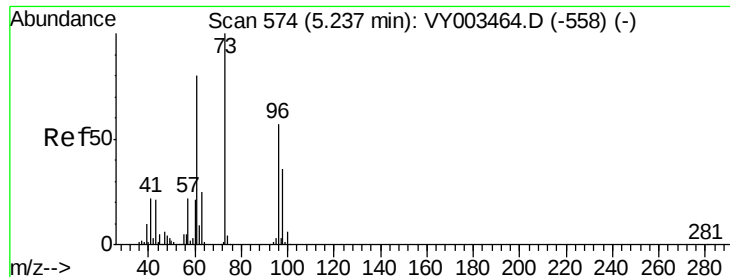
SAM
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#20
Methylene Chloride
Concen: 22.403 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.6	104.3	156.5
51	39.7	32.5	48.7
86	62.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 22.109 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

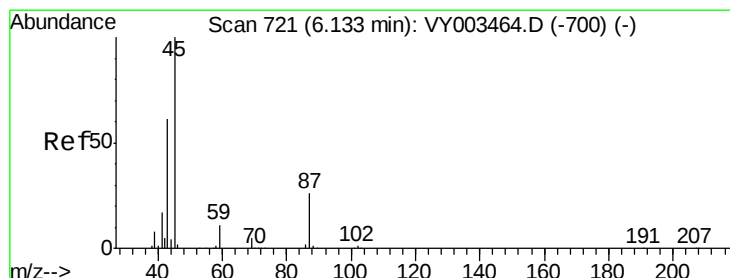
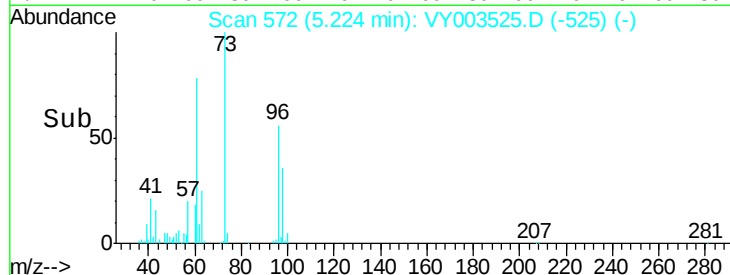
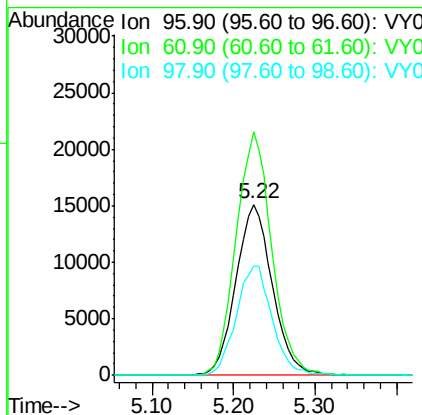
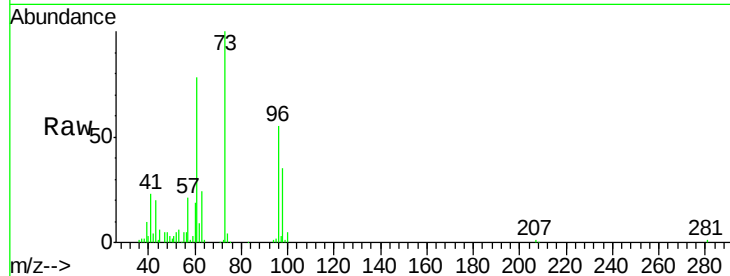
ClientSampleId :

VY1112SBS01

Tot Ion:	96	Resp:	46860
Ion	Ratio	Lower	Upper
96	100		
61	142.2	111.3	166.9
98	64.1	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.201 ug/l

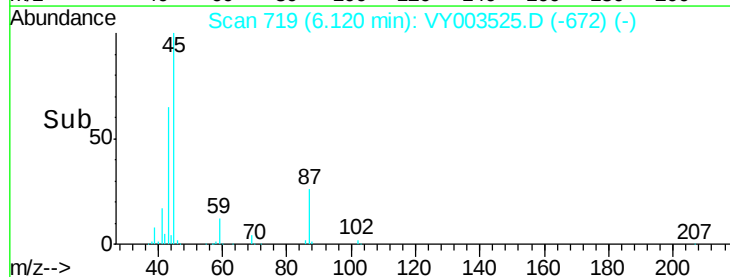
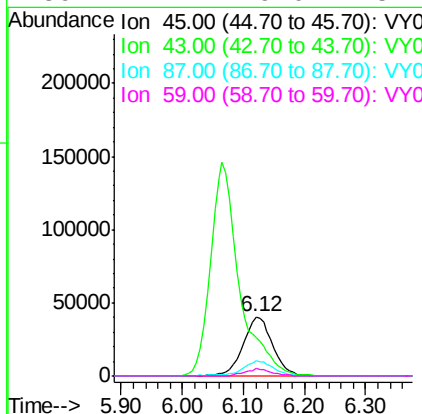
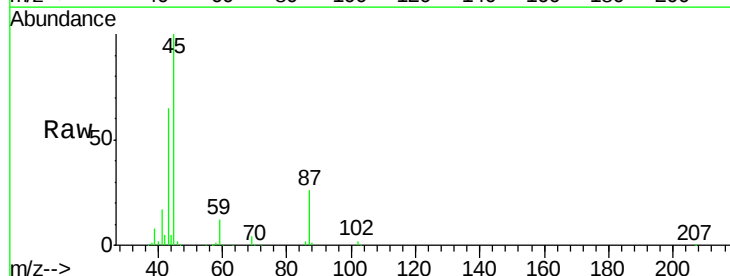
RT: 6.12 min Scan# 719

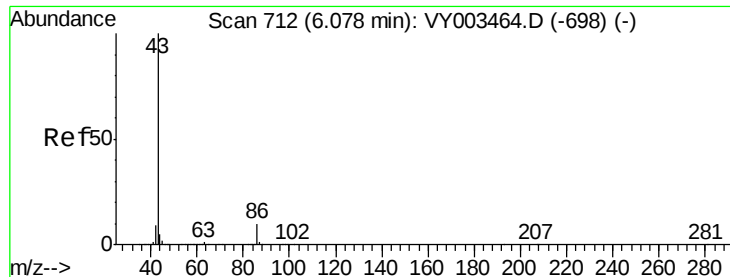
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	45	Resp:	135894
Ion	Ratio	Lower	Upper
45	100		
43	64.2	48.8	73.2
87	25.9	20.6	31.0
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 109.612 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 43 Resp: 482461

Ion Ratio Lower Upper

43 100

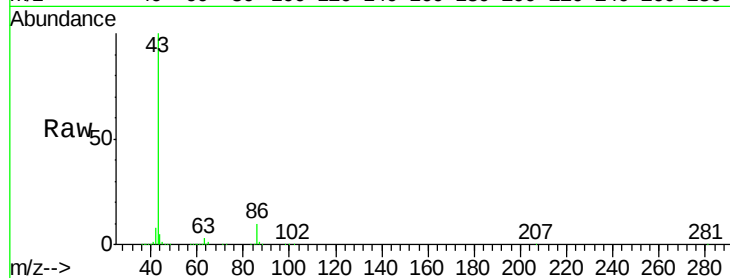
86 10.2 8.2 12.2

Manual Integrations

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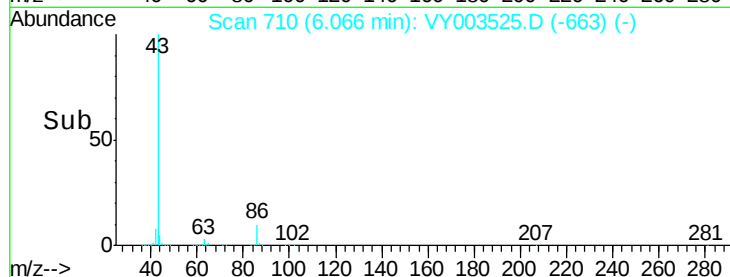
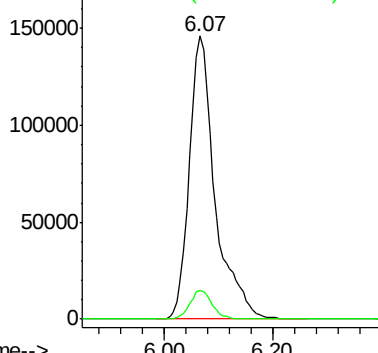
SAM

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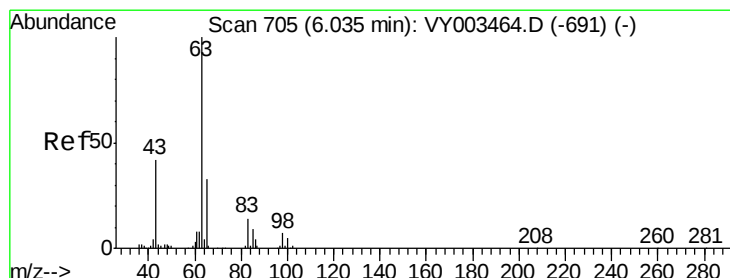


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 22.408 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

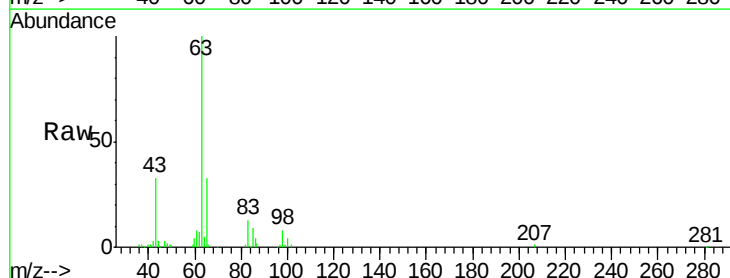
Tgt Ion: 63 Resp: 83405

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

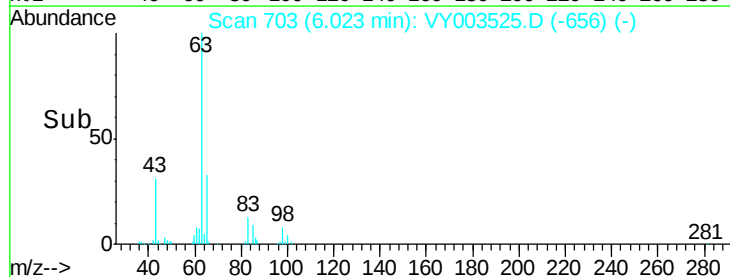
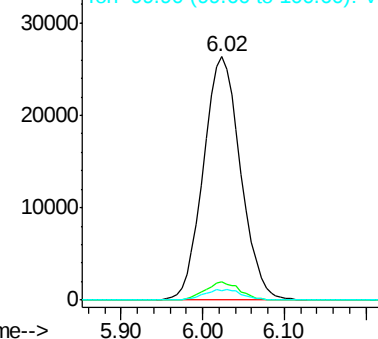
100 3.8 2.3 6.9



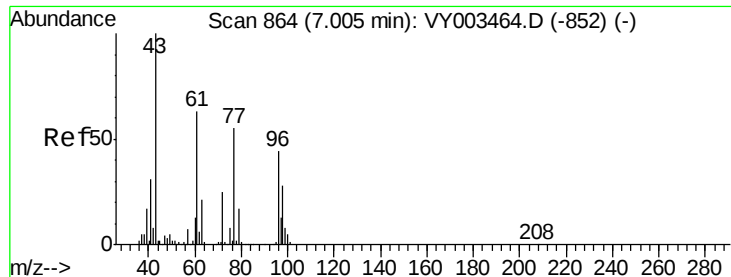
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->



#25

2-Butanone

Concen: 104.660 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 43 Resp: 99288

Ion Ratio Lower Upper

43 100

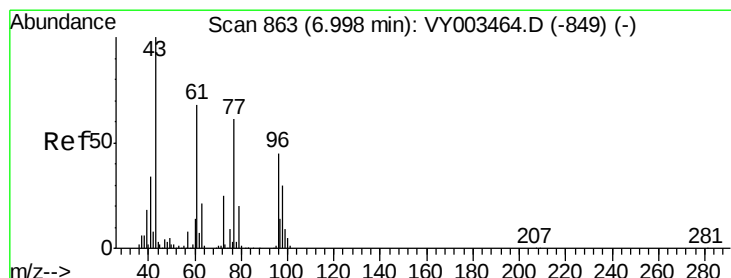
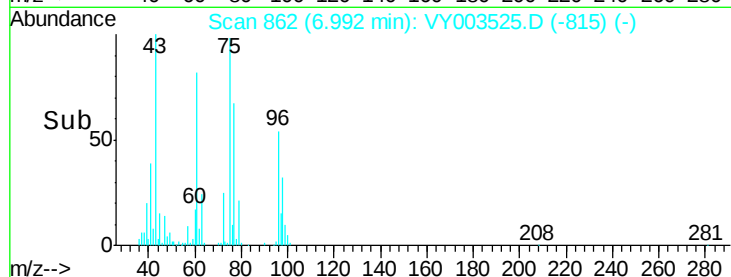
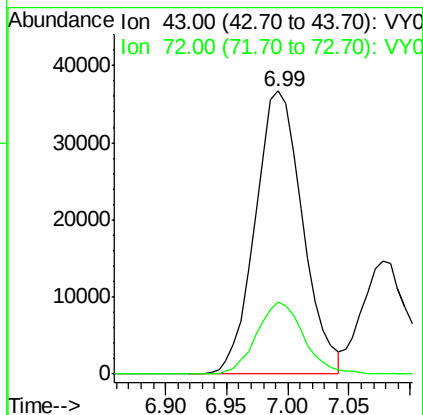
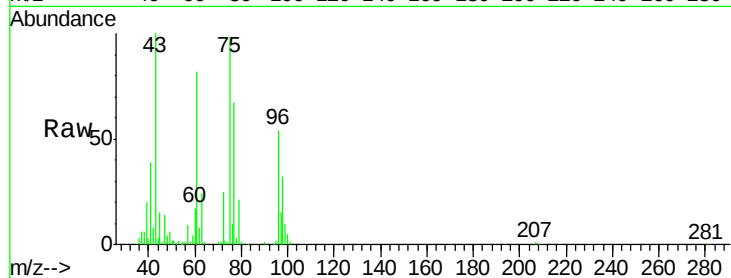
72 25.3 20.1 30.1

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 23.589 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003525.D

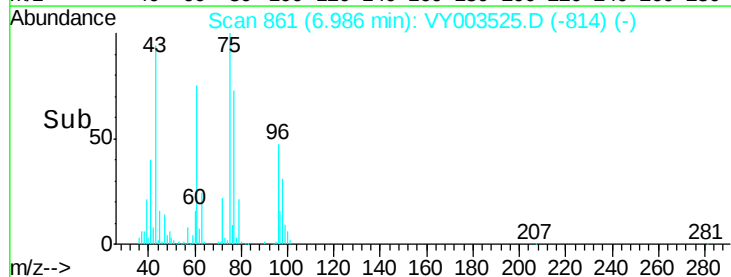
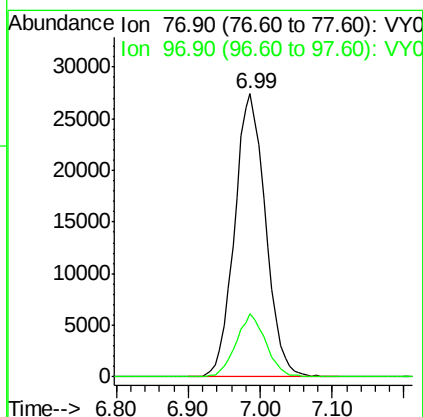
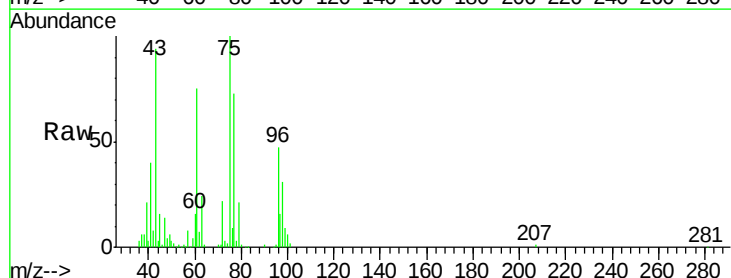
Acq: 12 Nov 2020 11:06

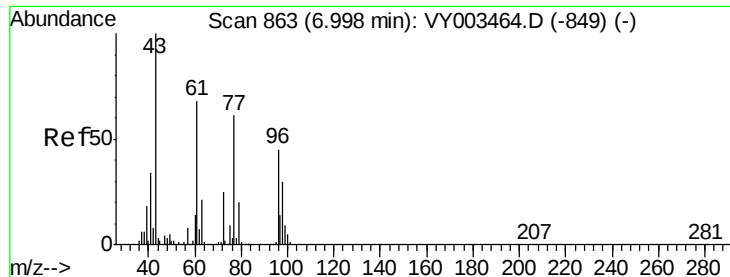
Tgt Ion: 77 Resp: 81796

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.6





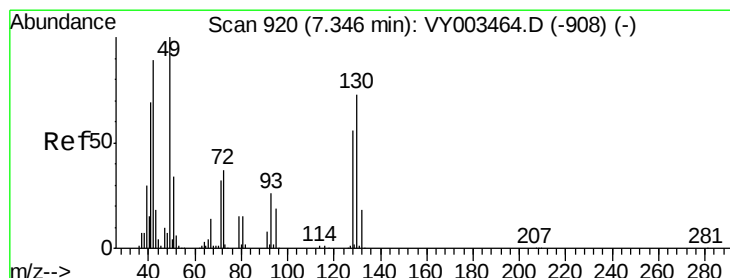
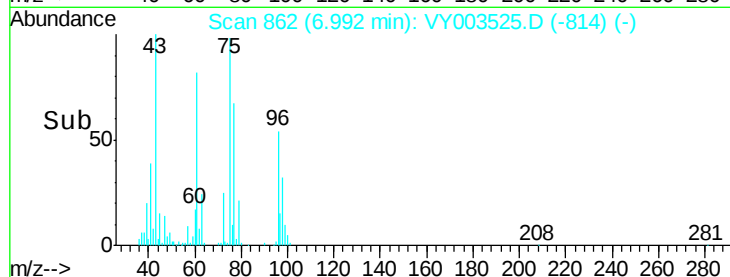
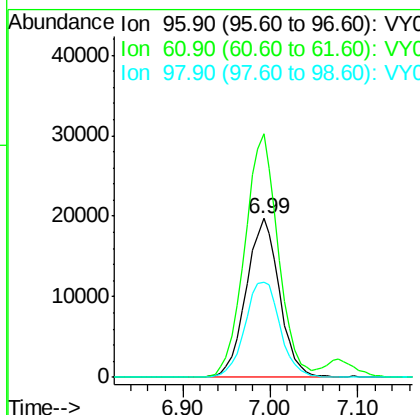
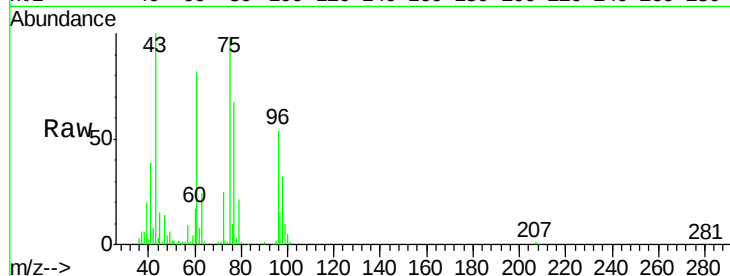
#27
 cis-1,2-Dichloroethene
 Concen: 22.682 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	299.2
98	63.4	0.0	128.6

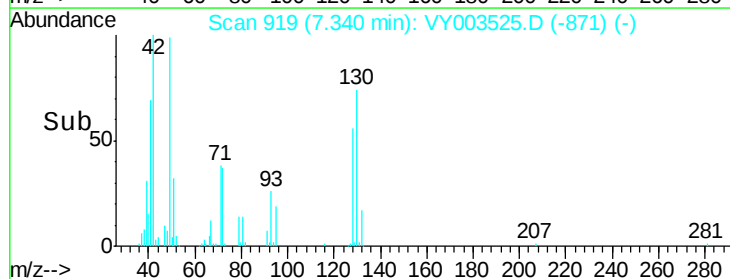
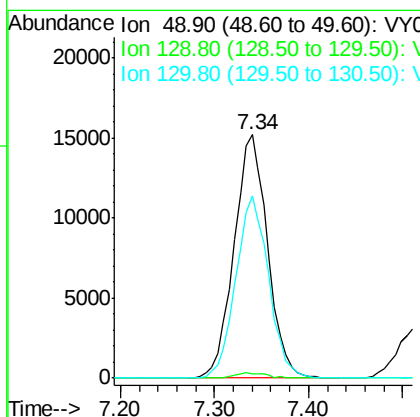
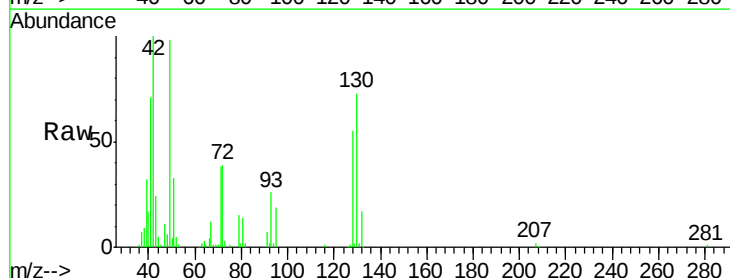
Manual Integrations
 APPROVED

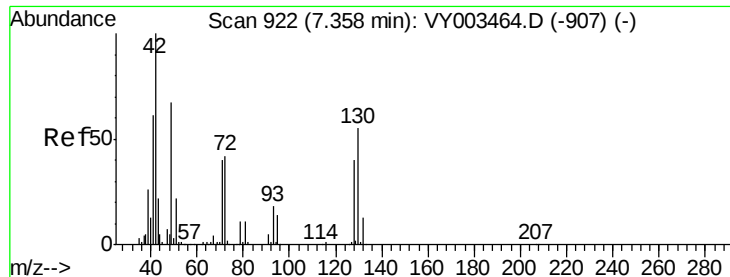
SAM
 11/13/2020 6:13:43 PM



#28
 Bromochloromethane
 Concen: 20.139 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	73.3	60.0	90.0





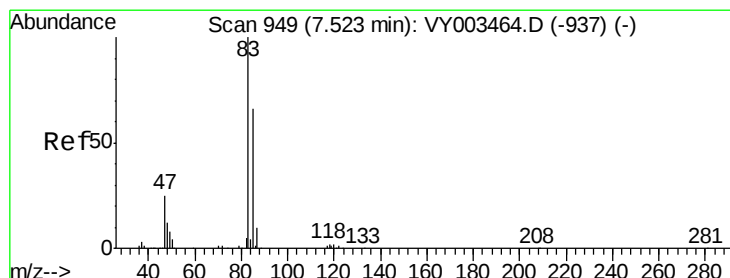
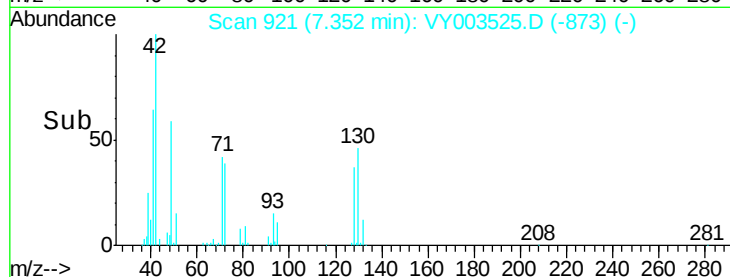
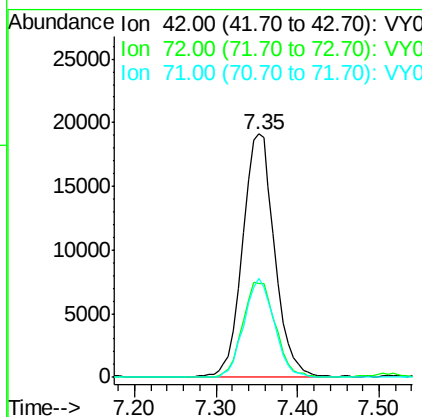
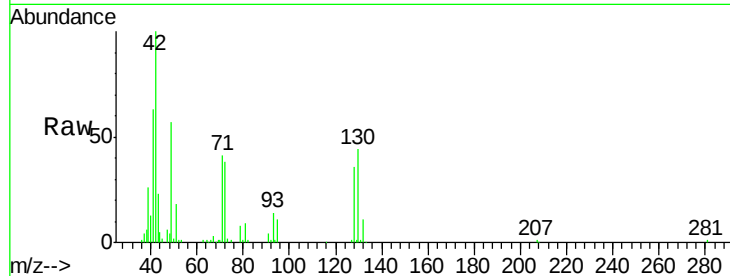
#29
Tetrahydrofuran
Concen: 105.295 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion:	42	Resp:	52196
Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.8	49.2
71	38.4	30.7	46.1

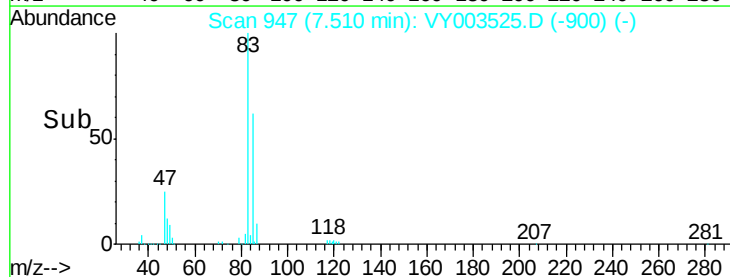
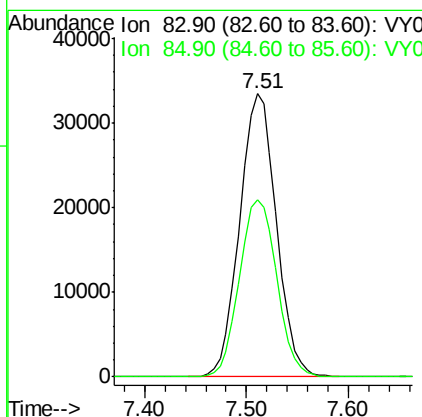
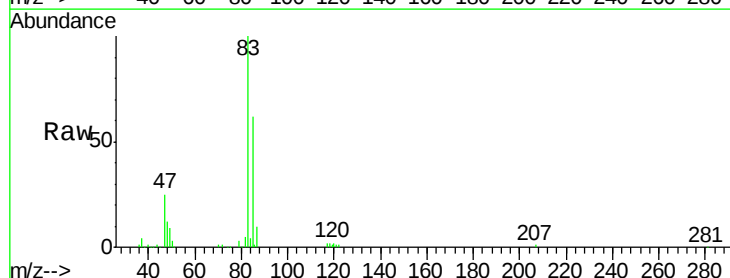
Manual Integrations
APPROVED

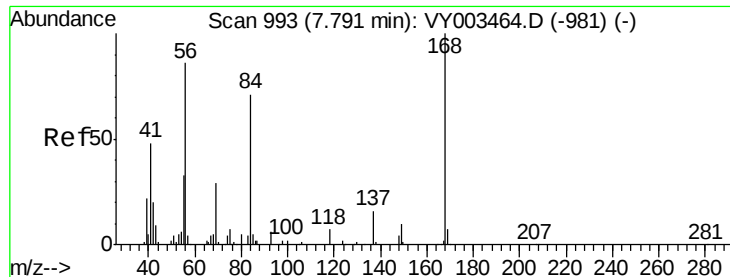
SAM
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#30
Chloroform
Concen: 22.908 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion:	83	Resp:	83748
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0





#31

Cyclohexane

Concen: 20.866 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

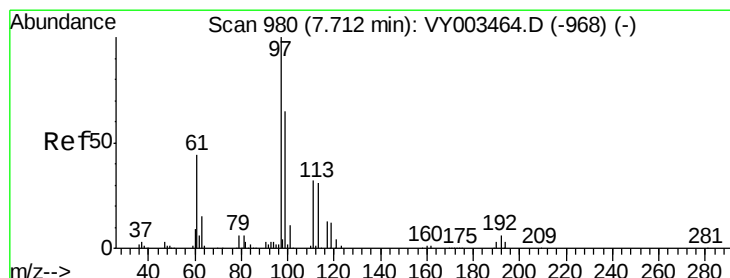
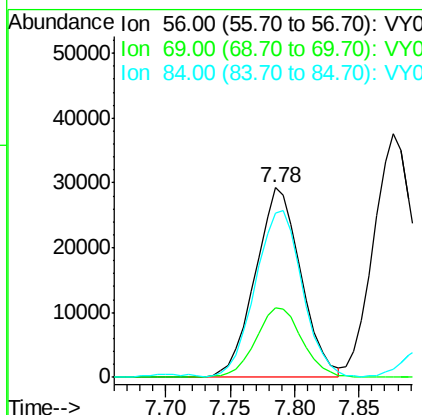
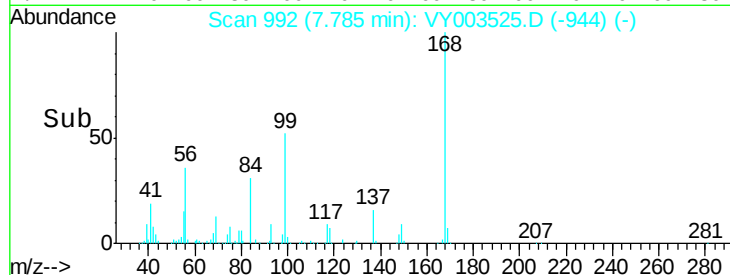
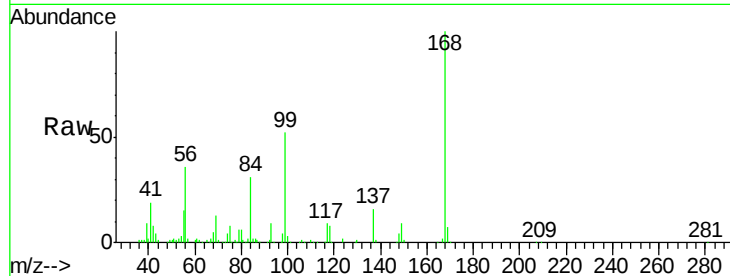
ClientSampleId :

VY1112SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.4	26.6	39.8	
84	85.3	65.9	98.9	

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 22.885 ug/l

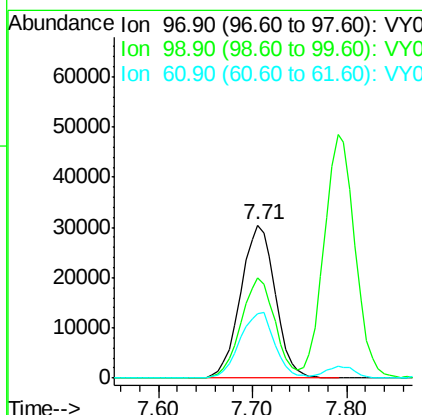
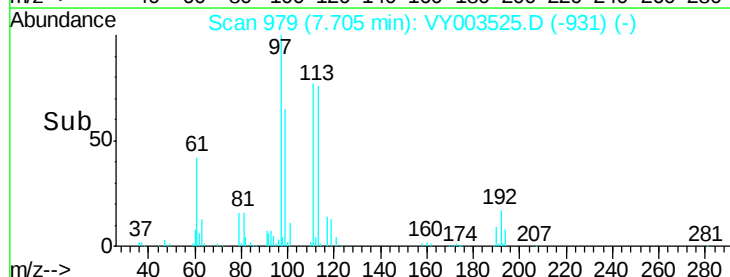
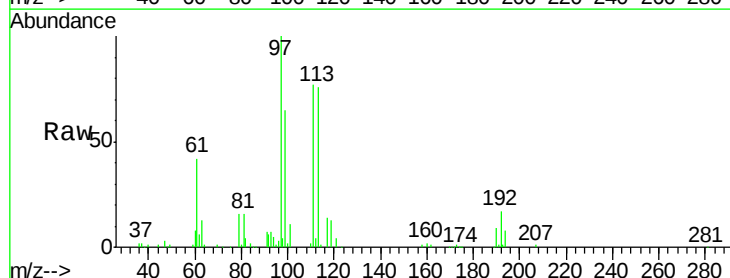
RT: 7.71 min Scan# 979

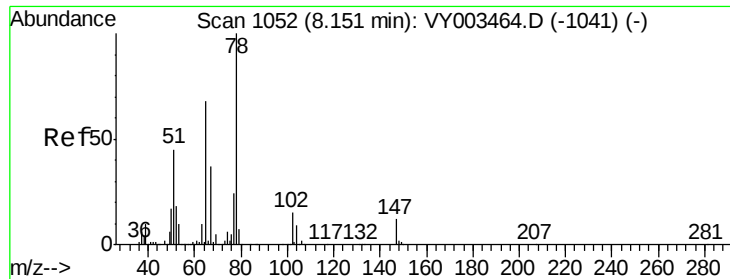
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.9	51.6	77.4	
61	43.2	35.1	52.7	





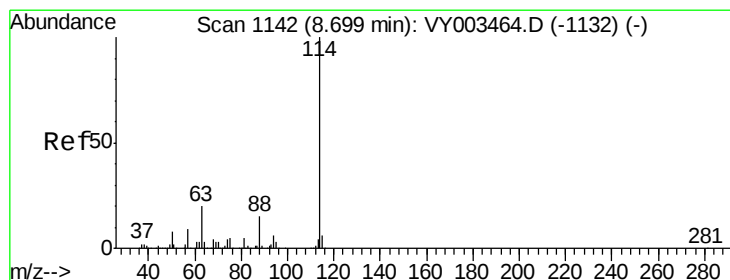
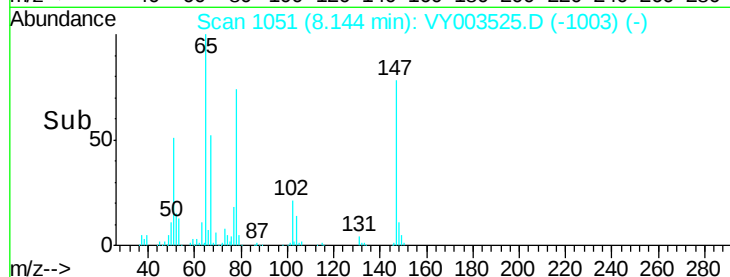
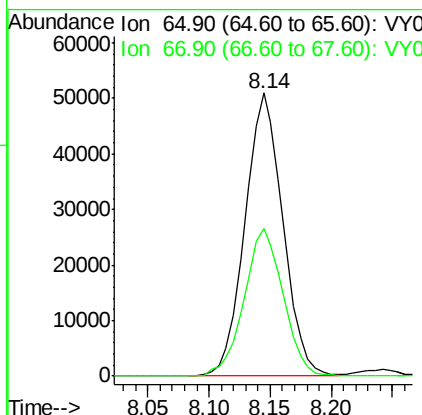
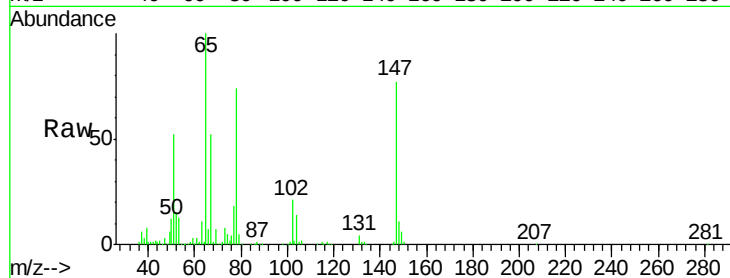
#33
 1,2-Dichloroethane-d4
 Concen: 47.738 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	106.0	

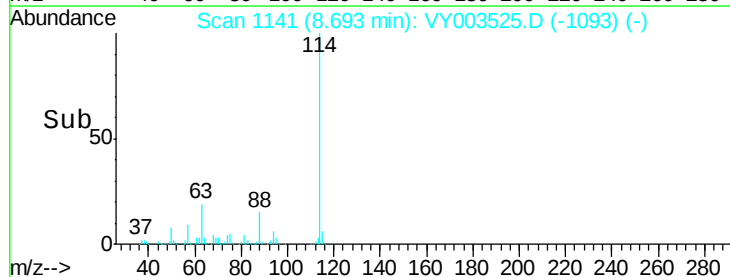
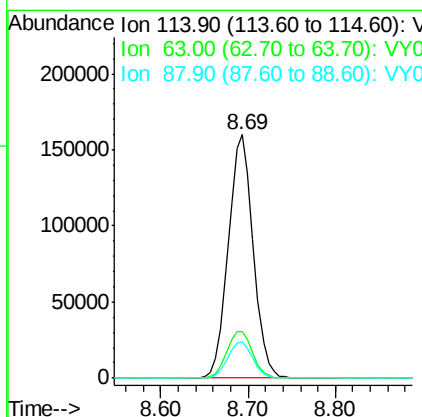
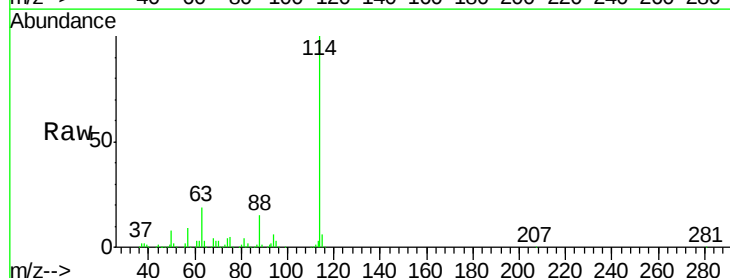
Manual Integrations
 APPROVED

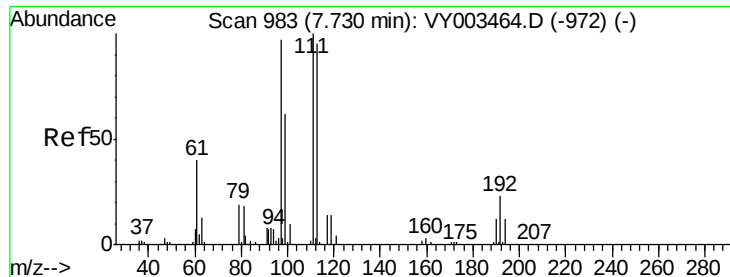
SAM
 11/13/2020 6:13:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	40.6	
88	14.8	0.0	29.4	





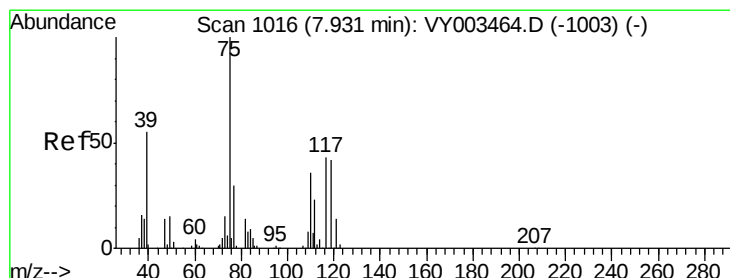
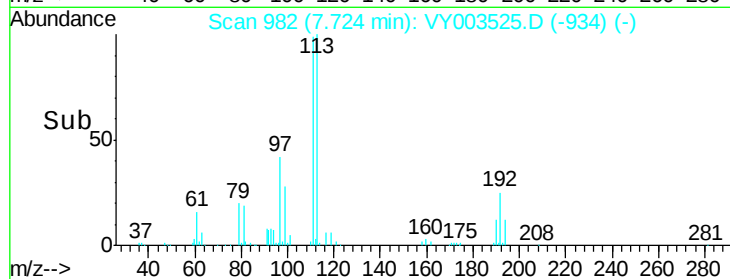
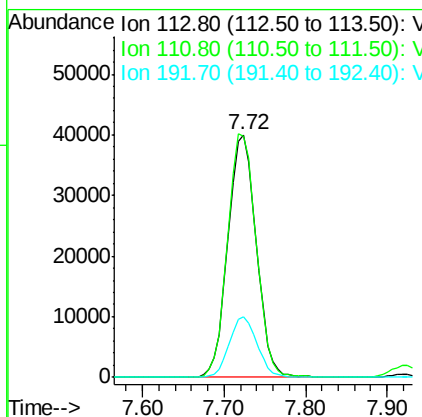
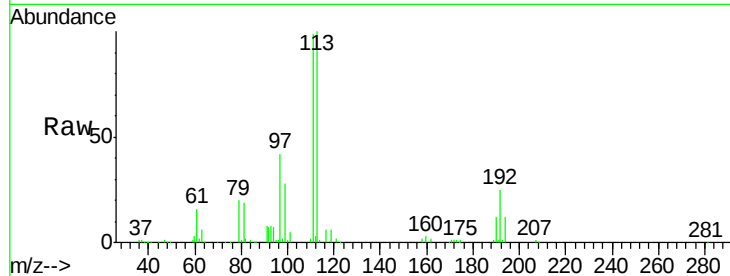
#35
Dibromofluoromethane
Concen: 50.008 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	24.5	18.8	28.2

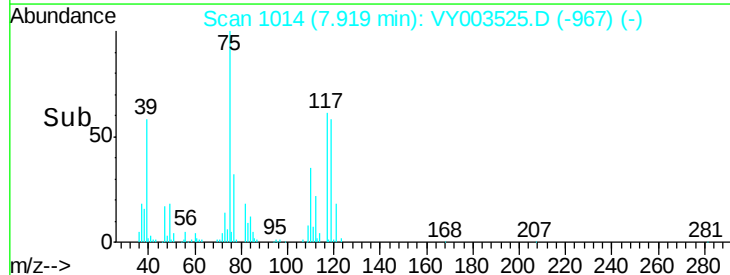
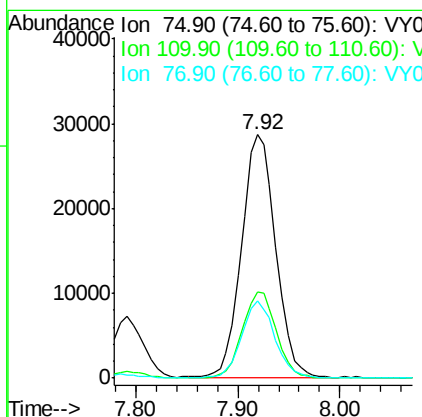
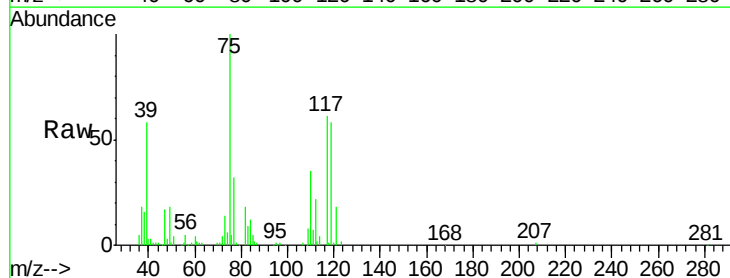
Manual Integrations
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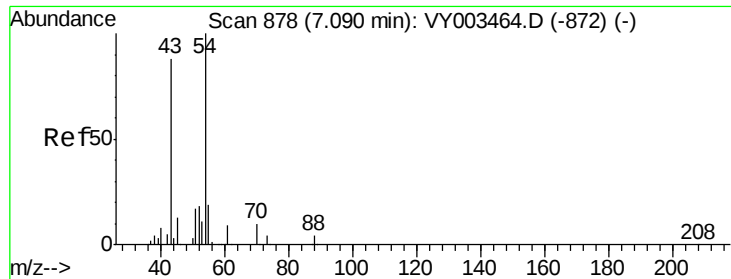
SAM
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#36
1,1-Dichloropropene
Concen: 22.468 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.1	24.7	37.1





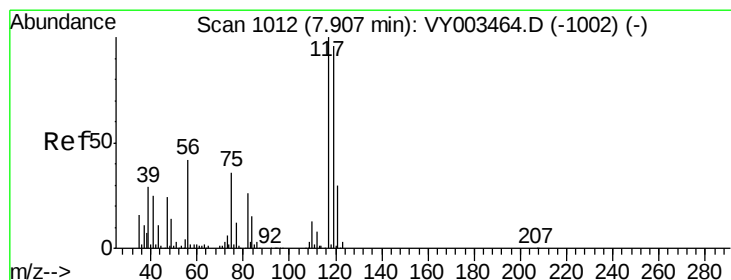
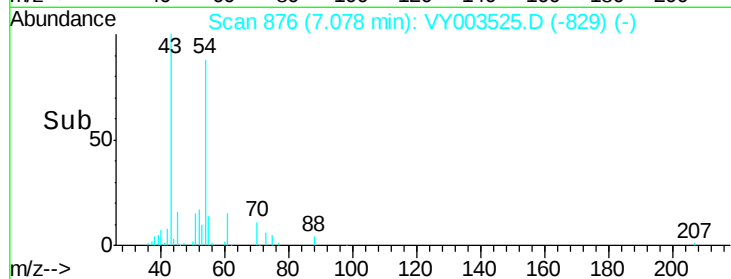
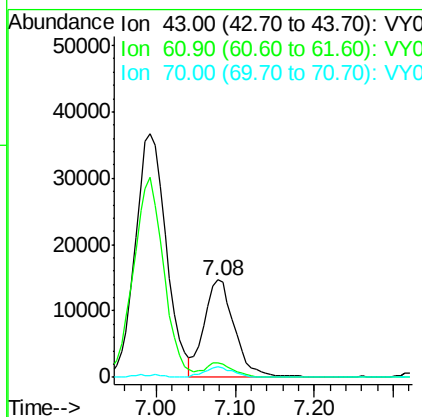
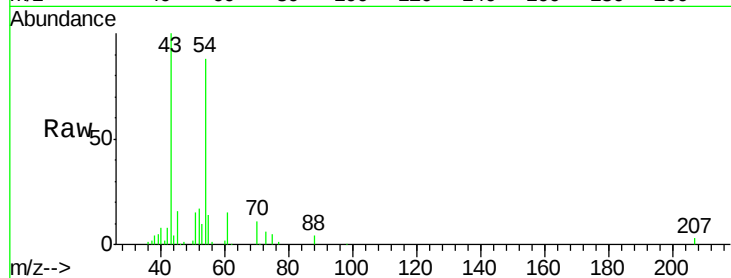
#37
Ethyl Acetate
Concen: 21.150 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	10.2	7.9	11.9

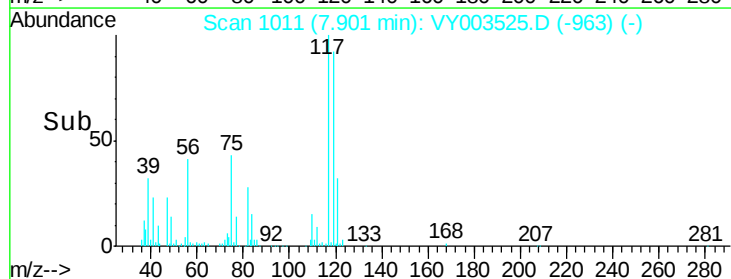
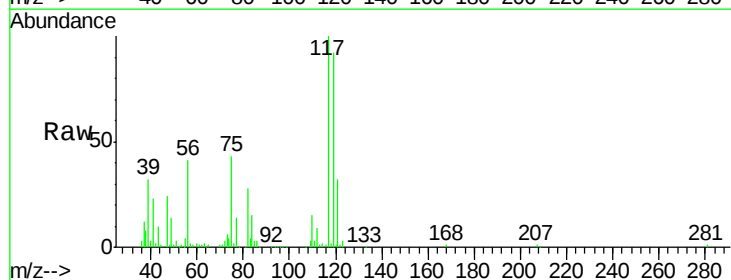
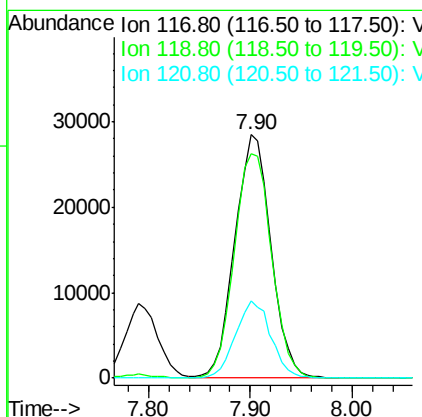
Manual Integrations
APPROVED

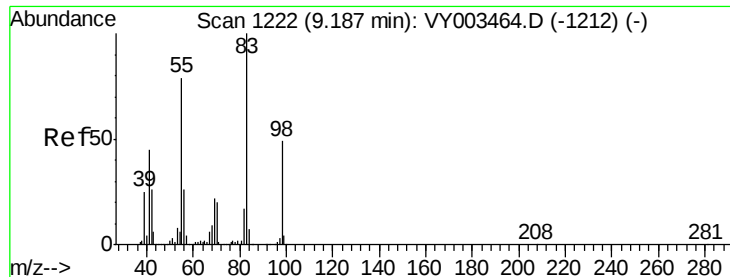
SAM
11/13/2020 6:13:43 PM



#38
Carbon Tetrachloride
Concen: 22.757 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.2	114.4
121	31.6	24.2	36.4





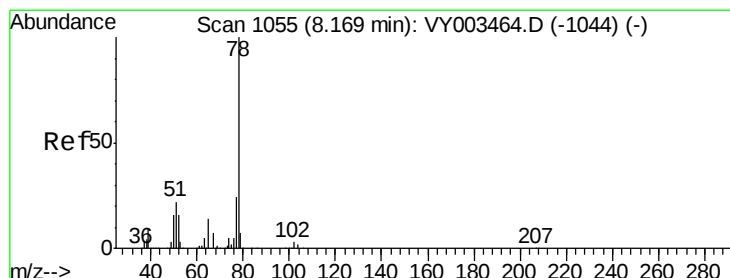
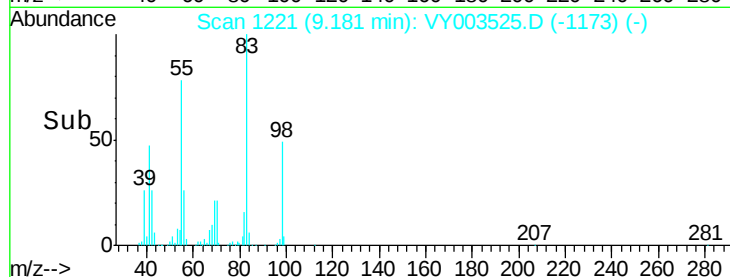
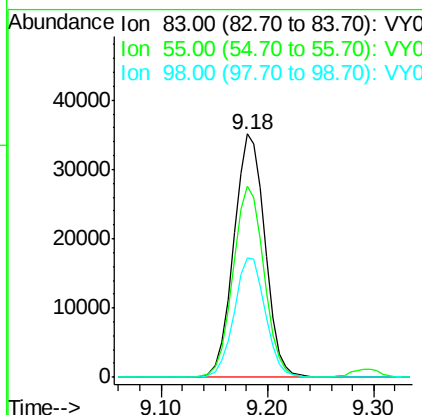
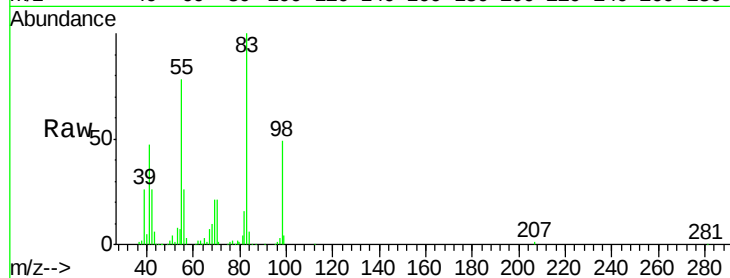
#39
Methvlcvclohexane
Concen: 21.865 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	63.5	95.3
98	48.8	39.4	59.2

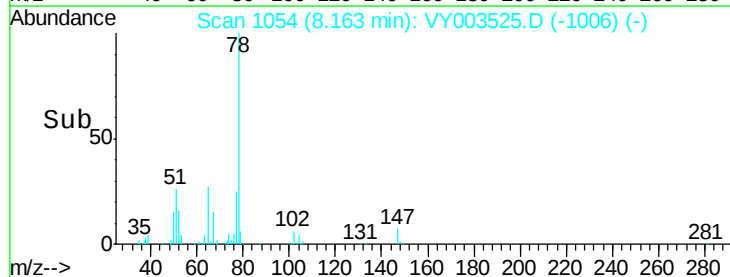
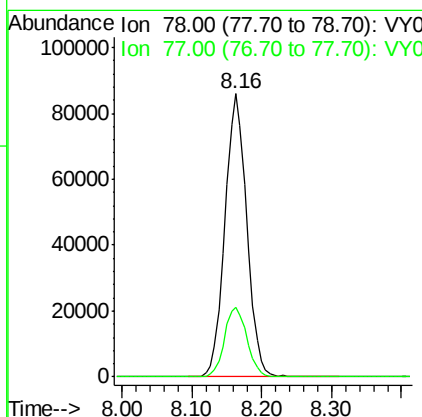
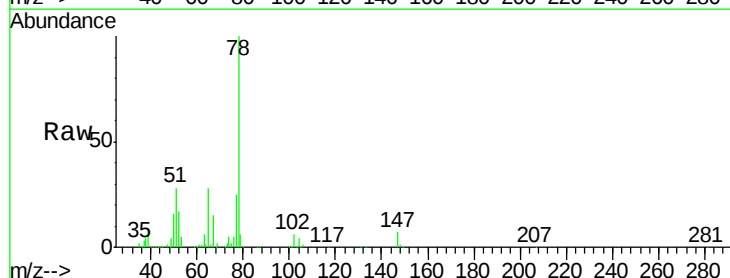
Manual Integrations
APPROVED

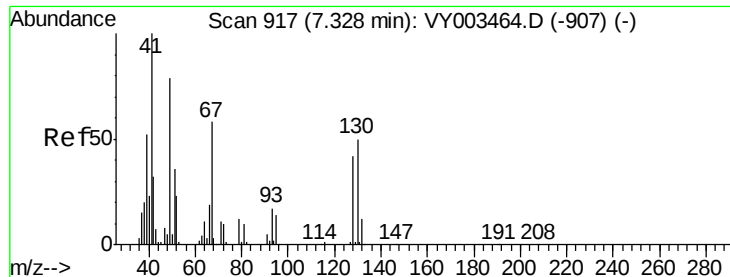
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#40
Benzene
Concen: 22.512 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.4	29.0





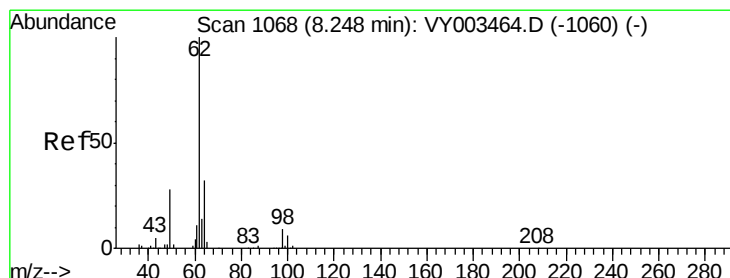
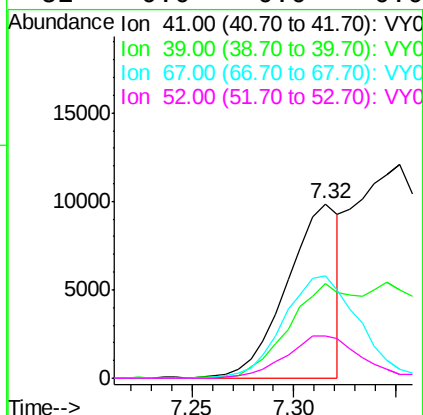
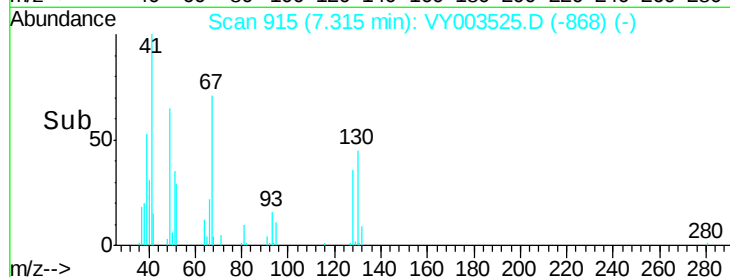
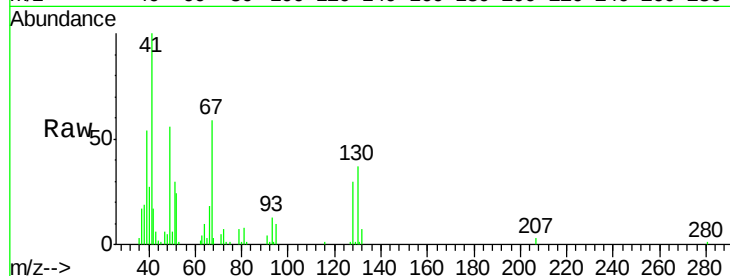
#41
Methacrylonitrile
Concen: 18.126 ug/l m
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

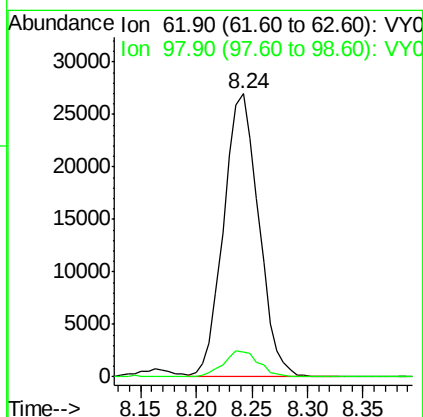
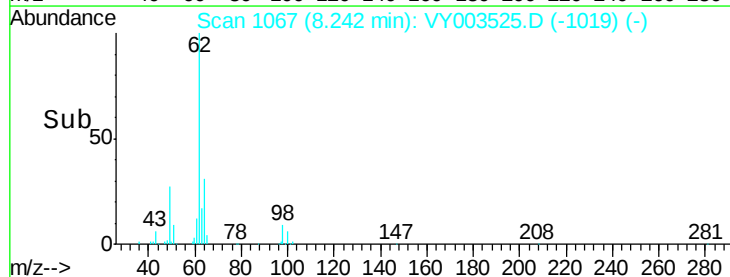
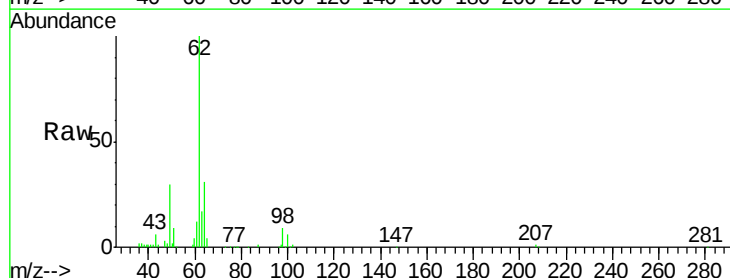
Manual Integrations
APPROVED

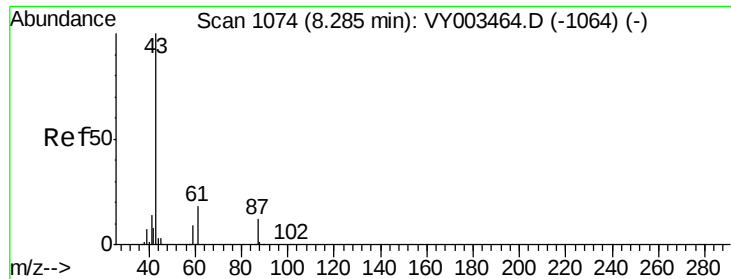
SAM
11/13/2020 6:13:43 PM



#42
1,2-Dichloroethane
Concen: 22.799 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

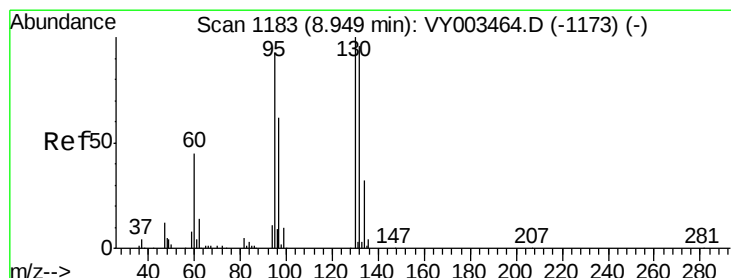
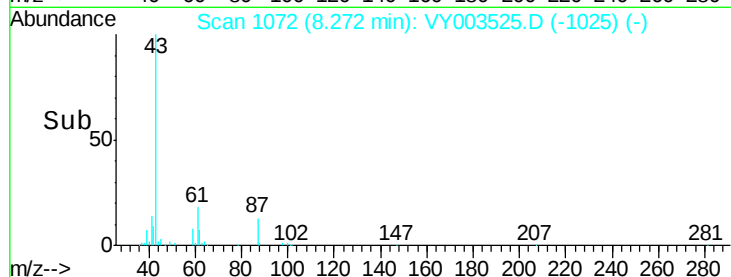
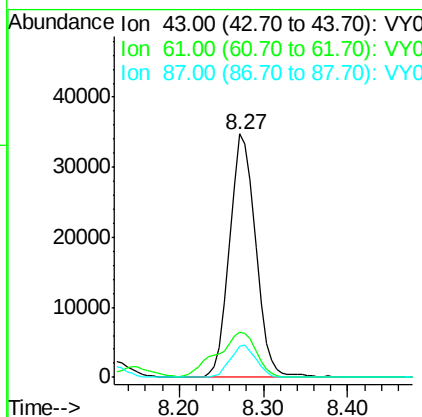
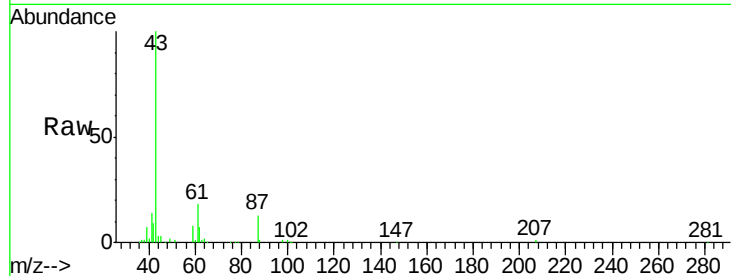
Isopropyl Acetate
 Concen: 22.129 ug/l
 RT: 8.27 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion	43	Resp	73406
Ion Ratio	100	Lower	Upper
43	100		
61	27.6	21.9	32.9
87	13.1	10.0	15.0

Manual Integrations
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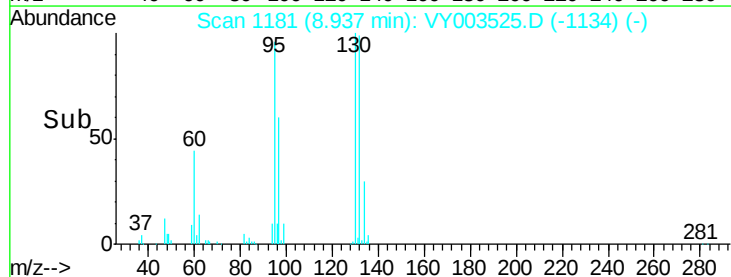
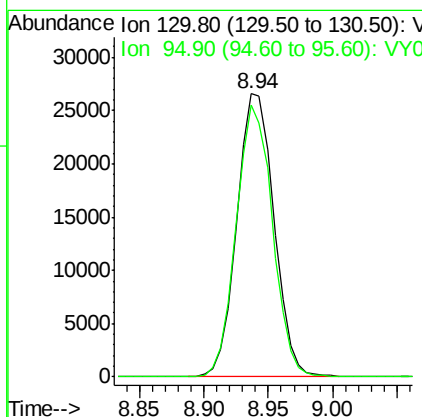
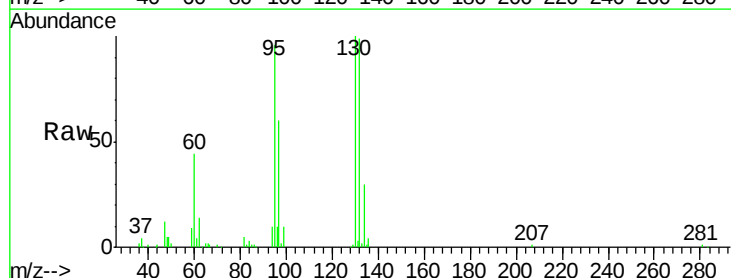
SAM
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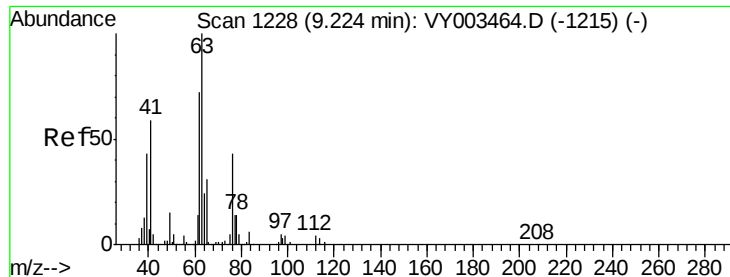


#44

Trichloroethene
 Concen: 22.889 ug/l
 RT: 8.94 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion	130	Resp	53155
Ion Ratio	100	Lower	Upper
130	100		
95	96.0	0.0	186.6





#45

1,2-Dichloropropane

Concen: 22.749 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 63 Resp: 47524

Ion Ratio Lower Upper

63 100

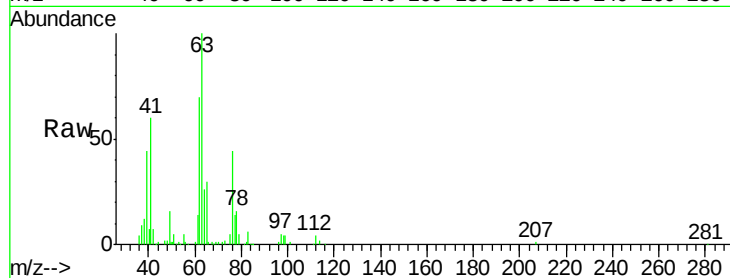
65 29.9 24.6 36.8

Manual Integrations

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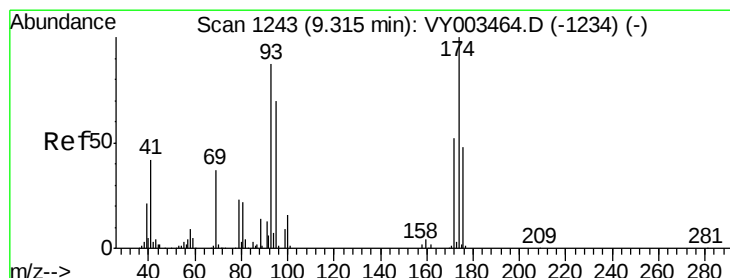
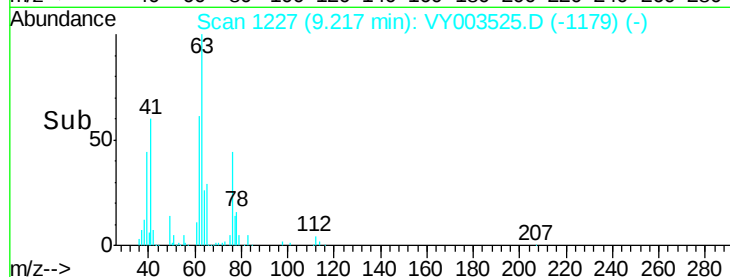
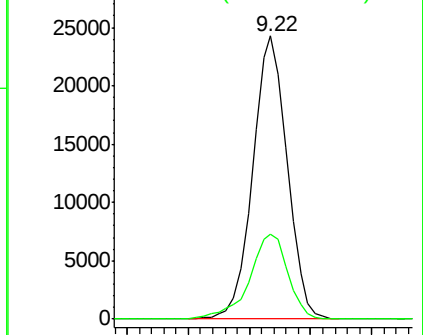
SAM

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 22.593 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

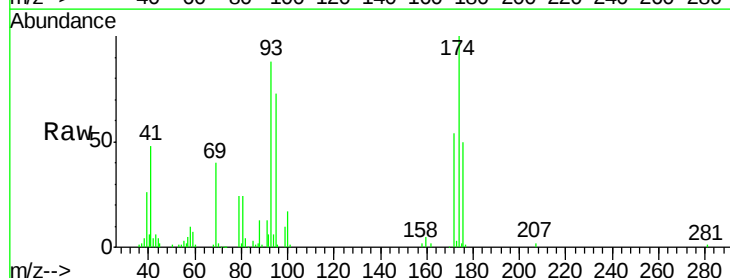
Tgt Ion: 93 Resp: 25966

Ion Ratio Lower Upper

93 100

95 85.1 65.0 97.6

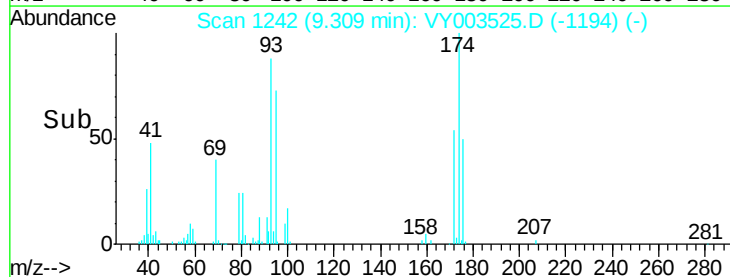
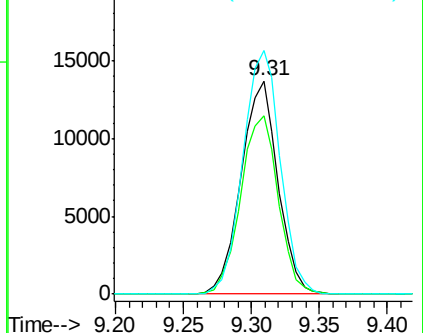
174 116.1 91.8 137.6

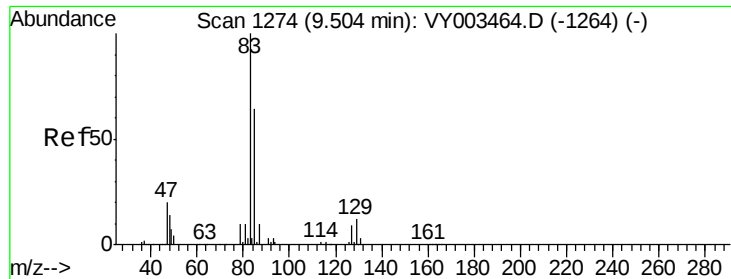


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.644 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

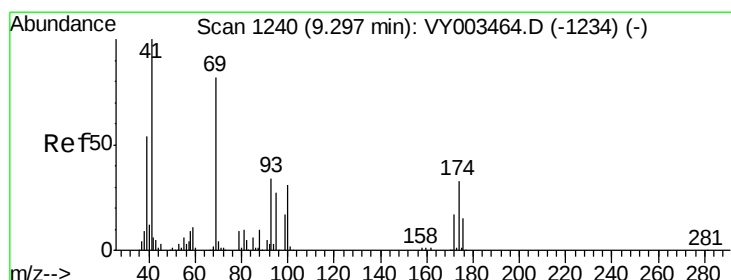
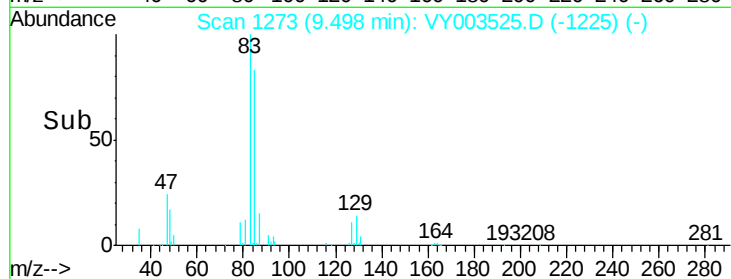
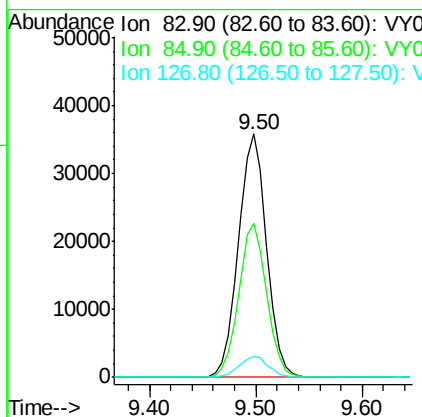
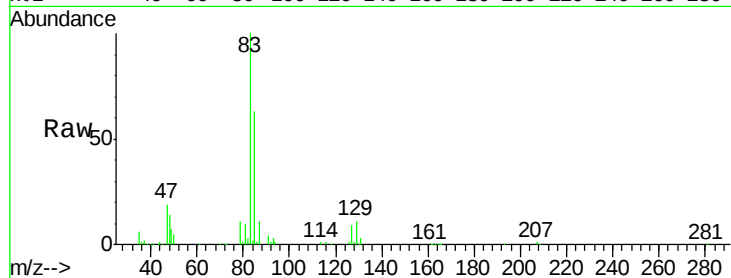
VY1112SBS01

Tot Ion:	83	Resp:	66511
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.0	76.6
127	8.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.691 ug/l

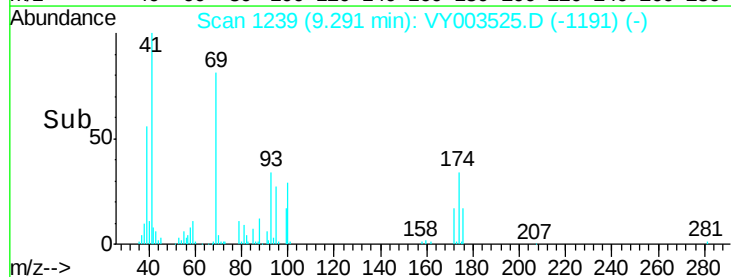
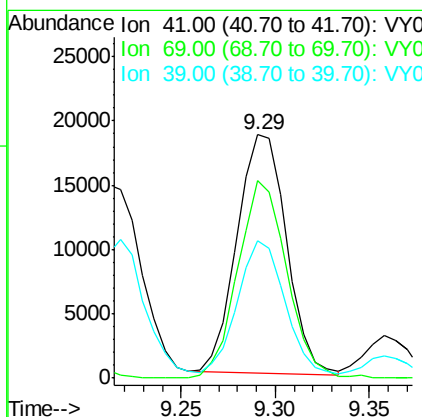
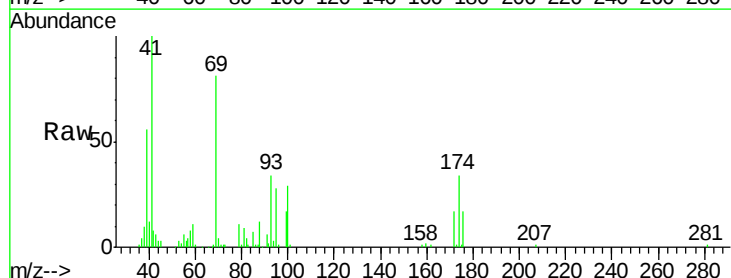
RT: 9.29 min Scan# 1239

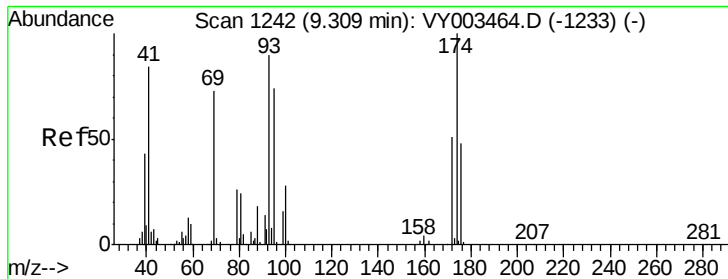
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	41	Resp:	33894
Ion Ratio	Lower	Upper	
41	100		
69	81.9	65.9	98.9
39	57.0	43.2	64.8





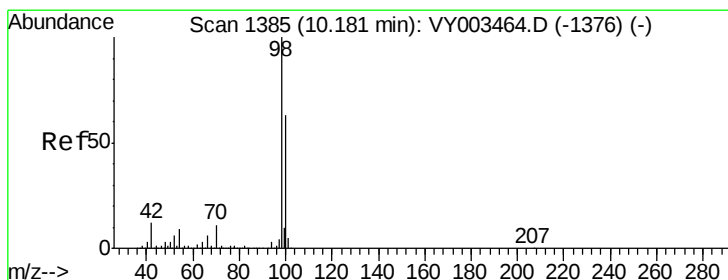
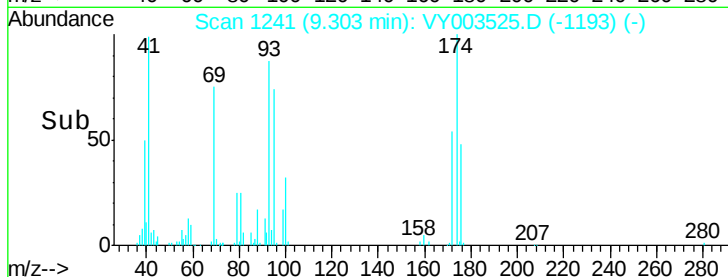
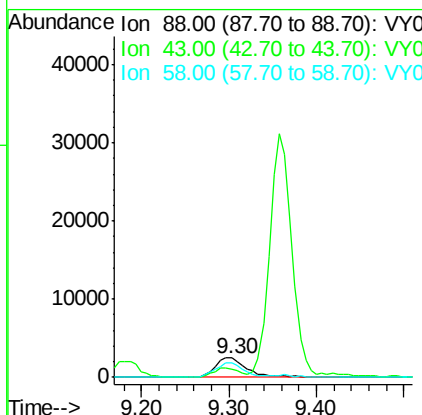
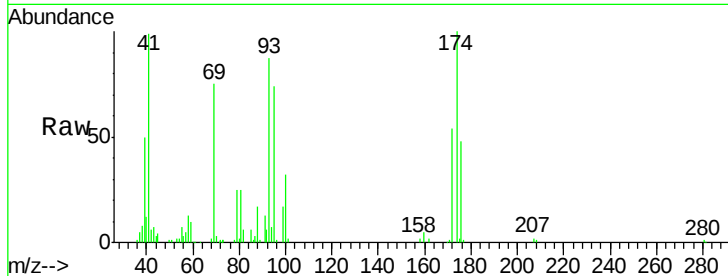
#49
1,4-Dioxane
Concen: 444.062 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	27.6	41.4
58	68.4	54.2	81.2

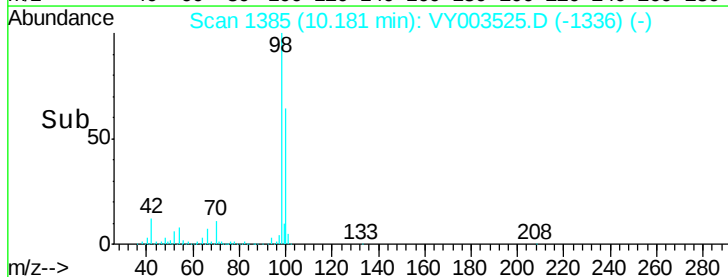
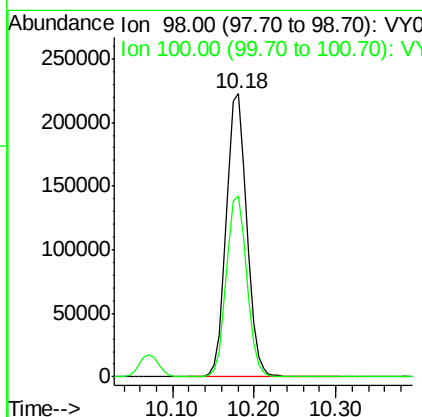
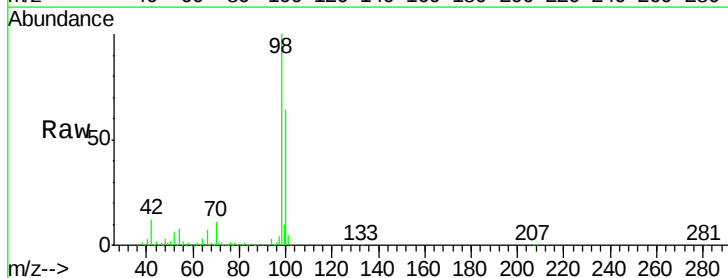
Manual Integrations
APPROVED

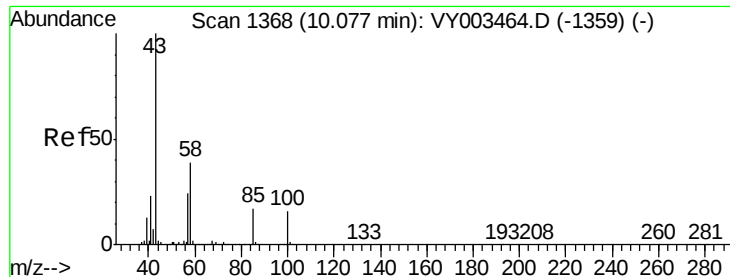
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#50
Toluene-d8
Concen: 48.286 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 110.908 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 43 Resp: 196020

Ion Ratio Lower Upper

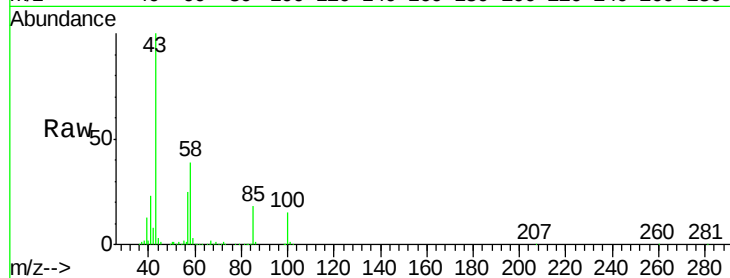
43 100

58 38.0 31.0 46.4

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

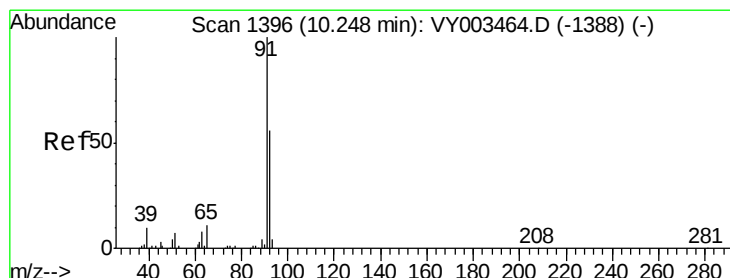
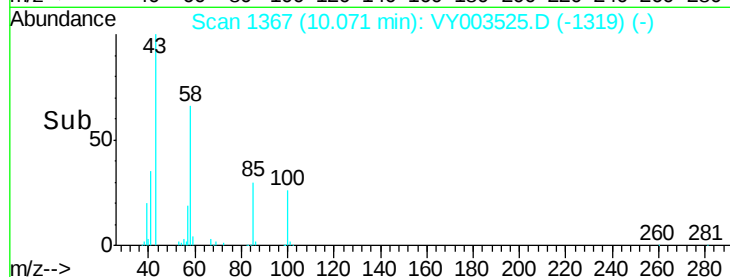
10.07

100000

50000

0

Time-->



#52

Toluene

Concen: 22.863 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY003525.D

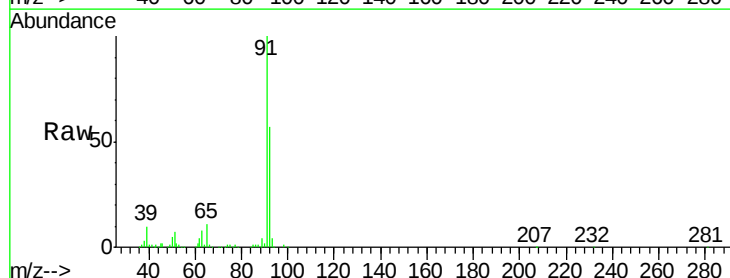
Acq: 12 Nov 2020 11:06

Tgt Ion: 92 Resp: 118291

Ion Ratio Lower Upper

92 100

91 175.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

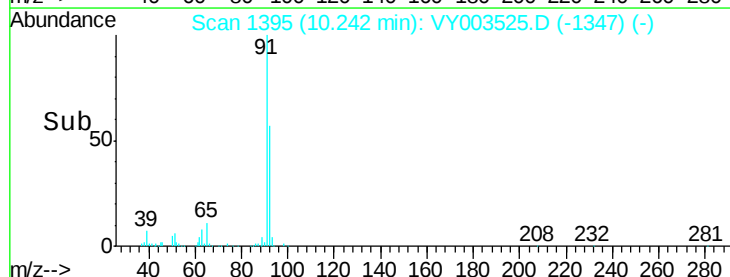
10.24

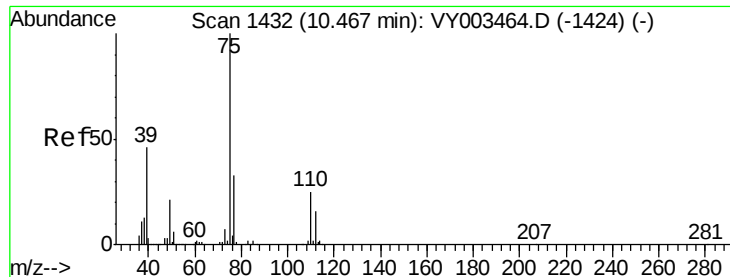
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.960 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 75 Resp: 68732

Ion Ratio Lower Upper

75 100

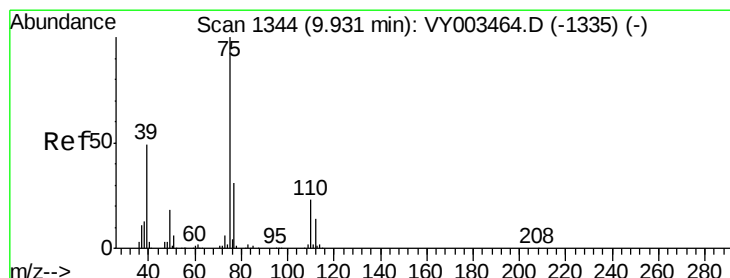
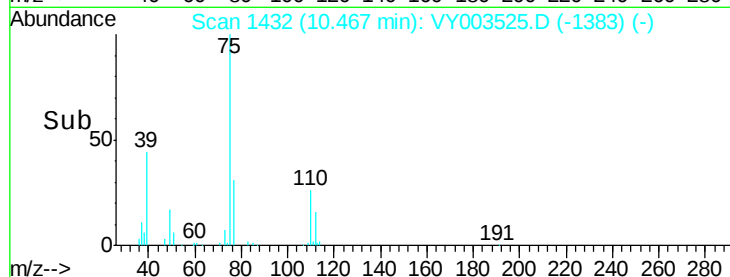
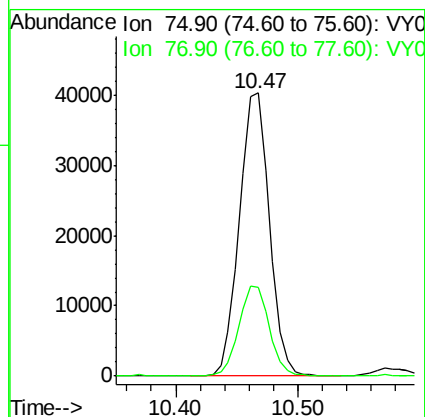
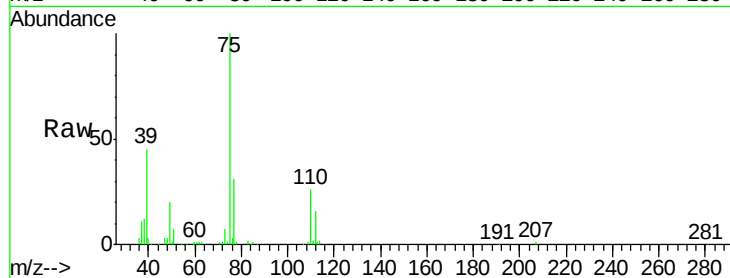
77 31.2 26.2 39.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 23.181 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

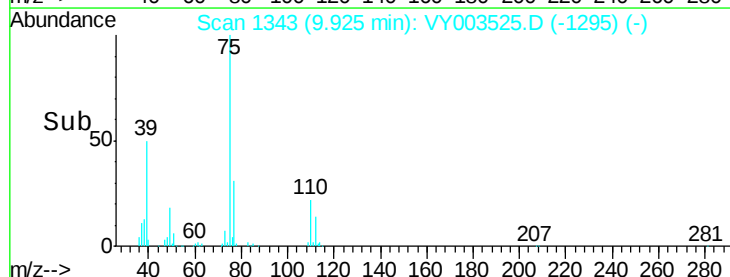
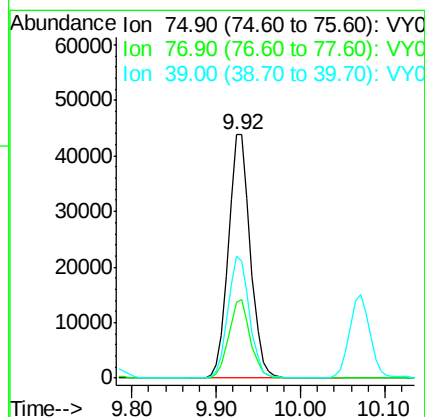
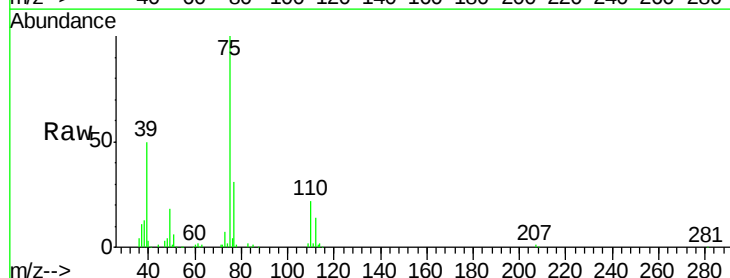
Tgt Ion: 75 Resp: 78089

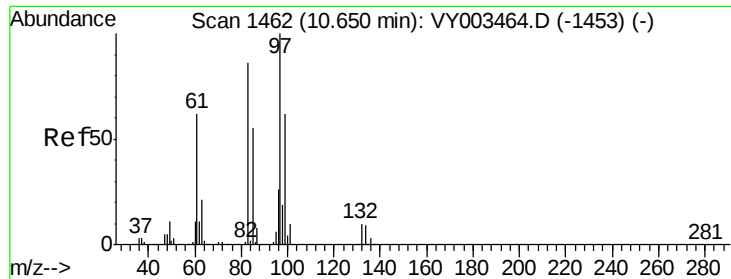
Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7

39 50.1 39.0 58.4





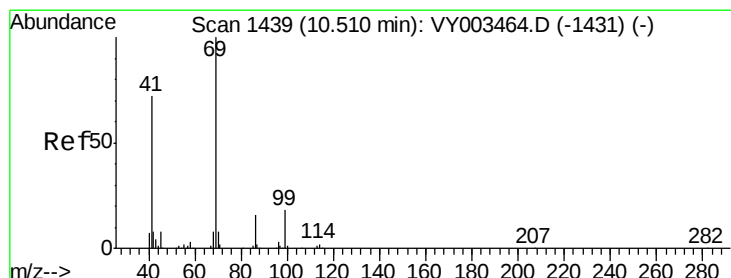
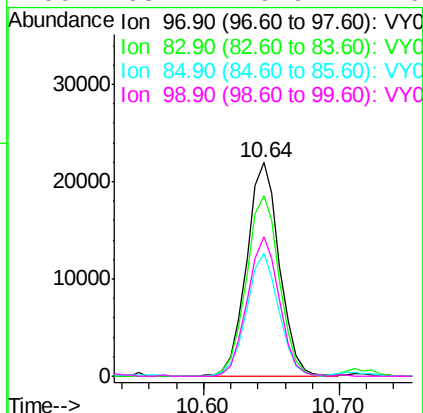
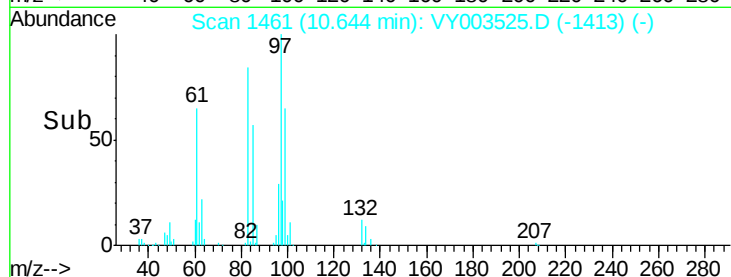
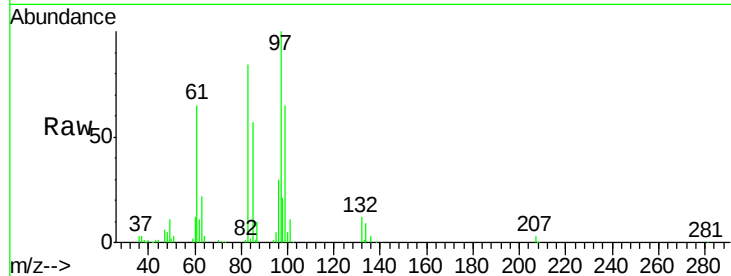
#55
 1,1,2-Trichloroethane
 Concen: 22.782 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion:	97	Resp:	37169
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.6	102.8
85	57.3	43.8	65.6
99	65.1	49.9	74.9

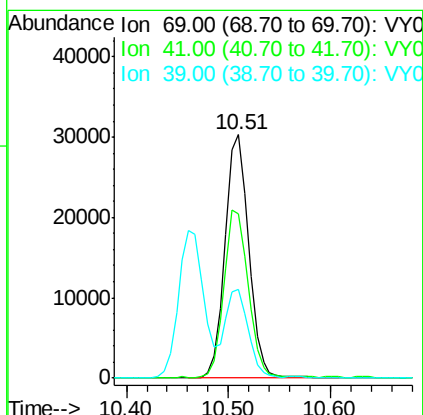
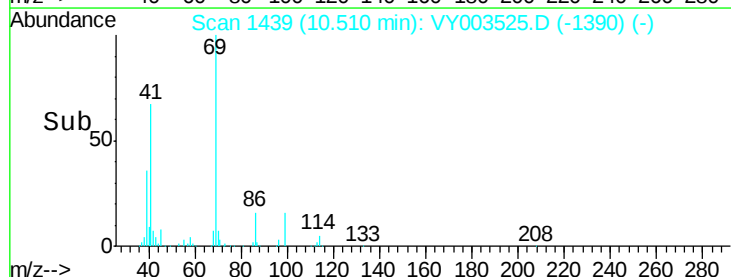
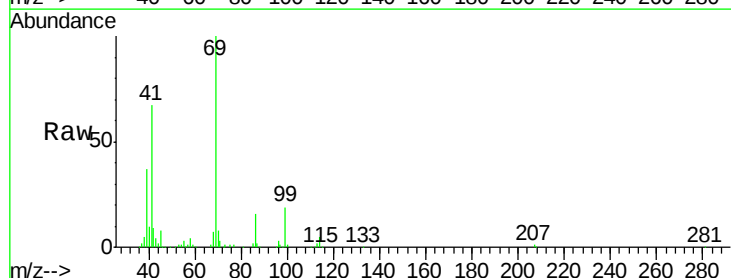
Manual Integrations
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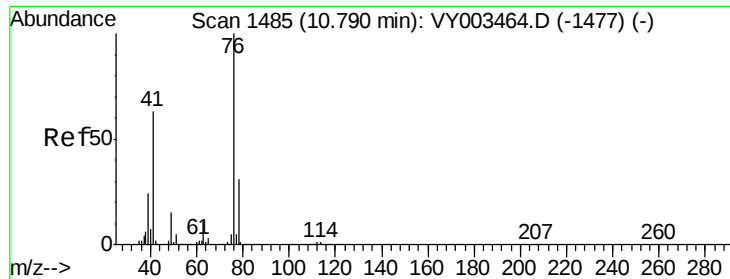
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#56
 Ethyl methacrylate
 Concen: 22.471 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion:	69	Resp:	49104
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.4	83.2
39	35.5	28.7	43.1





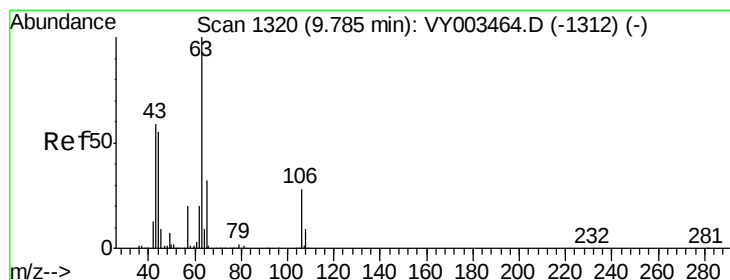
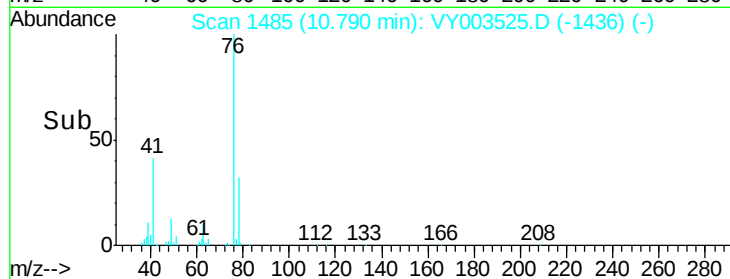
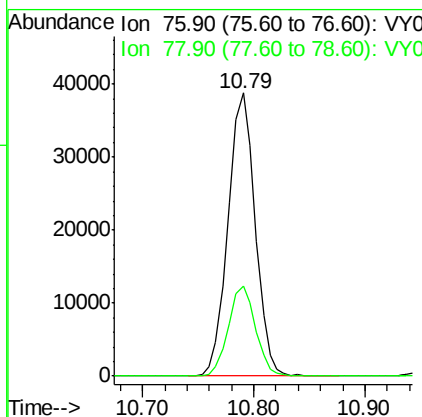
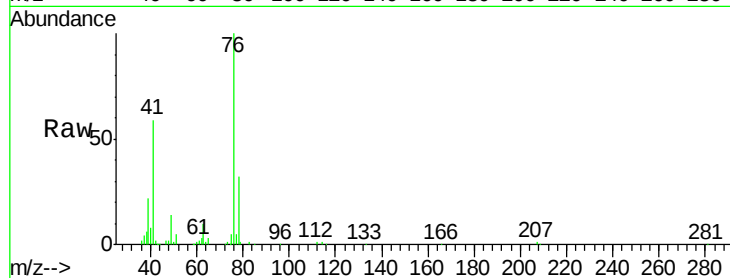
#57
 1,3-Dichloropropane
 Concen: 23.140 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

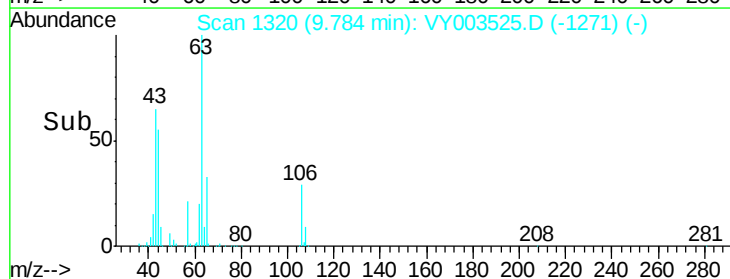
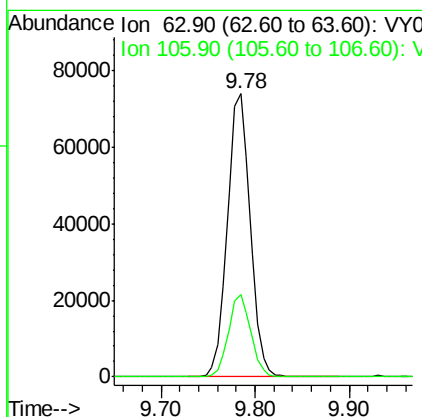
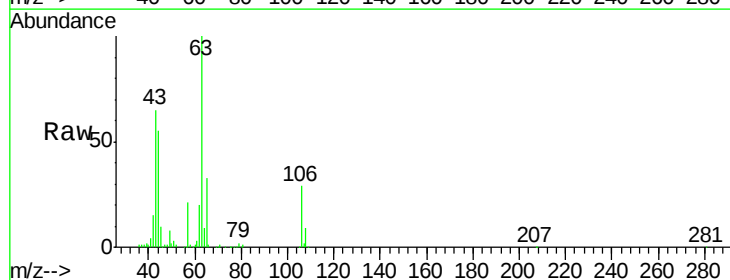
Manual Integrations
 APPROVED

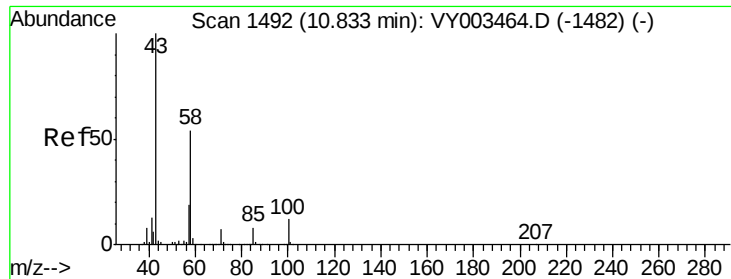
SAM
 11/13/2020 6:13:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.691 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.3	33.5





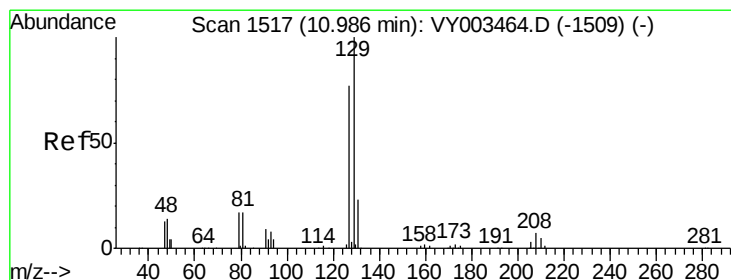
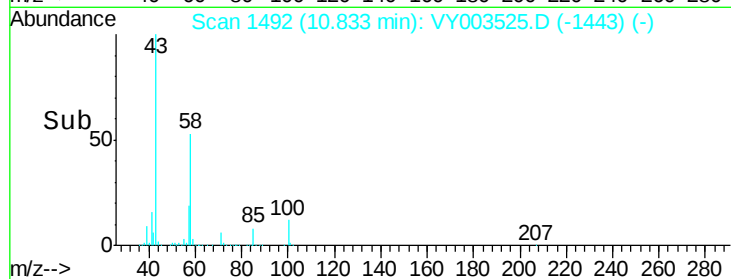
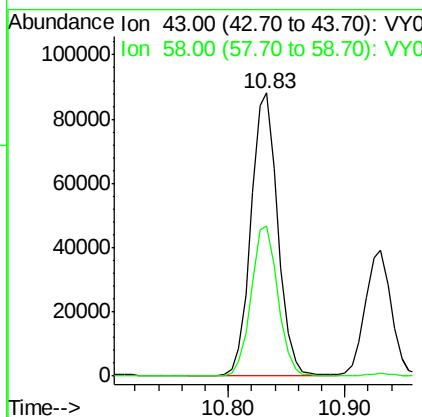
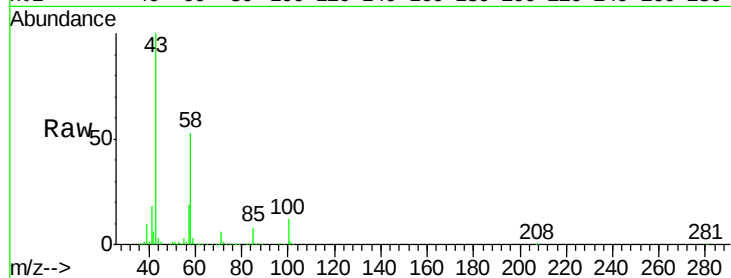
#59
2-Hexanone
Concen: 107.935 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion: 43 Resp: 141243
Ion Ratio Lower Upper
43 100
58 52.9 26.8 80.3

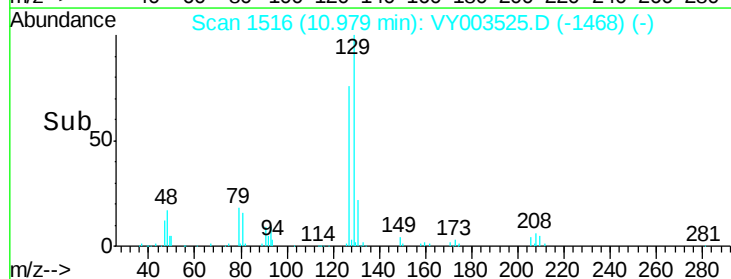
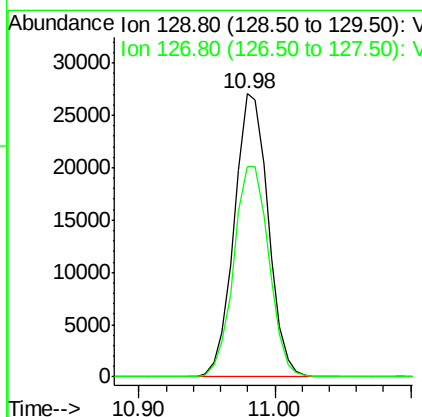
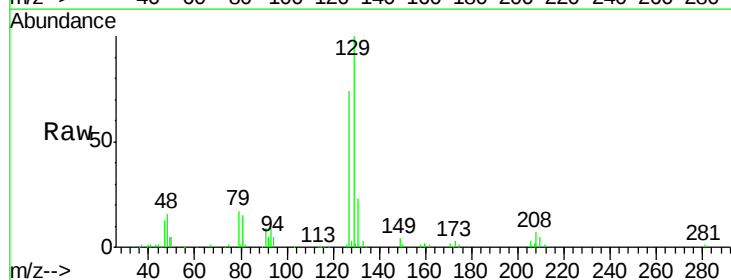
Manual Integrations
APPROVED

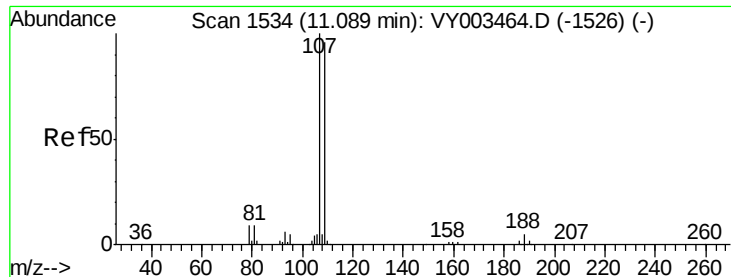
SAM
11/13/2020 6:13:43 PM



#60
Dibromochloromethane
Concen: 23.540 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion: 129 Resp: 47203
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 22.239 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 107 Resp: 35027

Ion Ratio Lower Upper

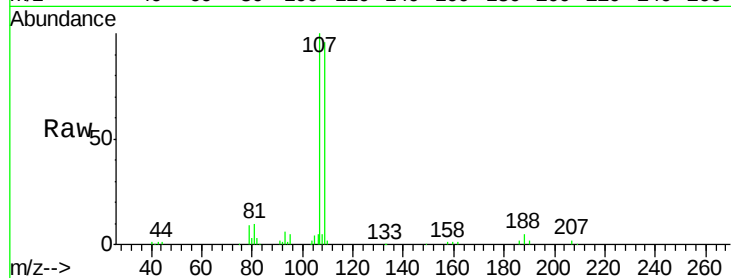
107 100

109 95.4 76.5 114.7

Manual Integrations
APPROVED

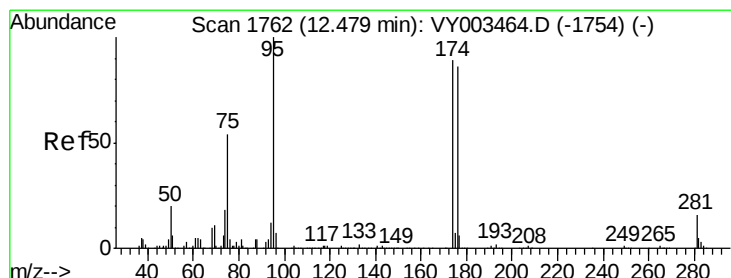
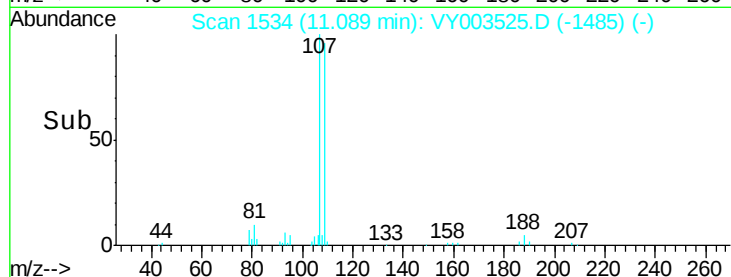
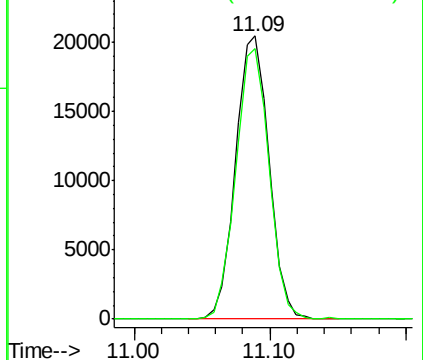
SAM

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.403 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

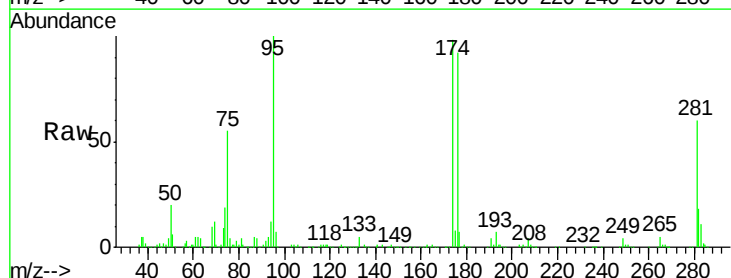
Tgt Ion: 95 Resp: 130641

Ion Ratio Lower Upper

95 100

174 97.8 0.0 193.0

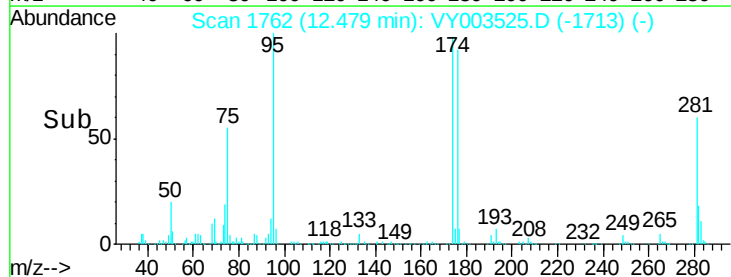
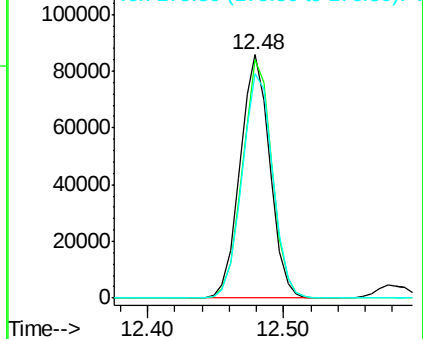
176 95.1 0.0 187.4

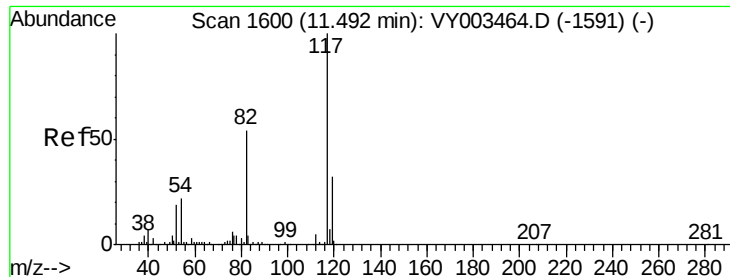


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





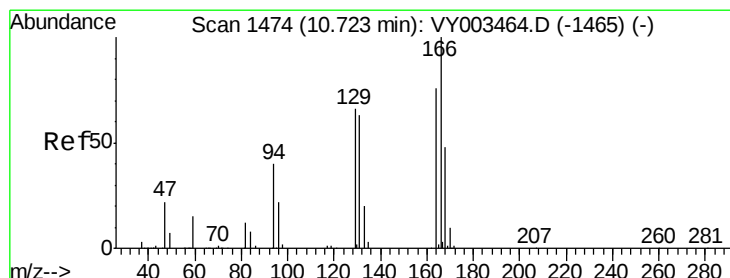
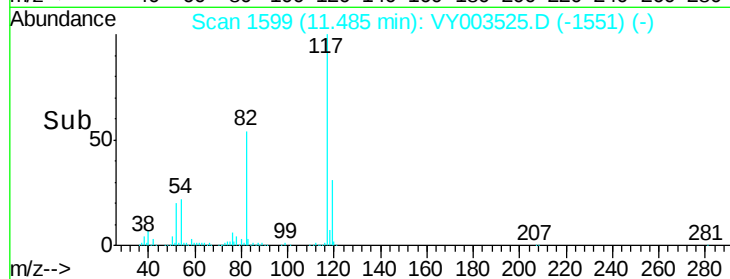
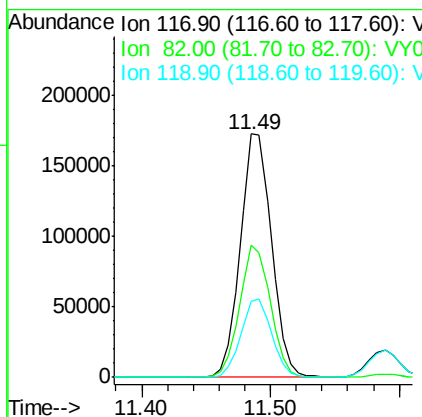
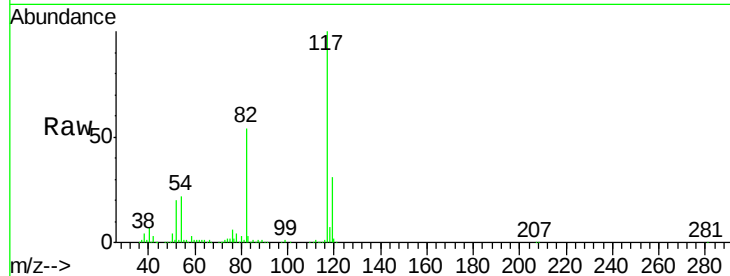
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289158		
82	54.5	43.4	65.2	
119	31.1	25.8	38.6	

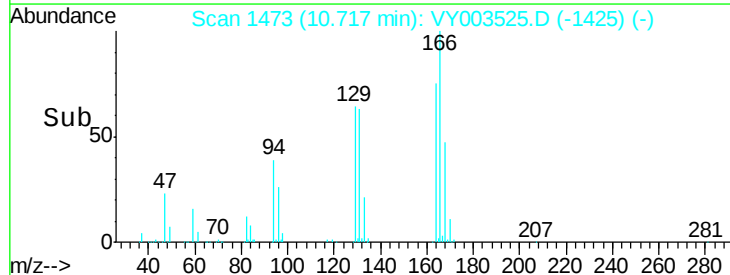
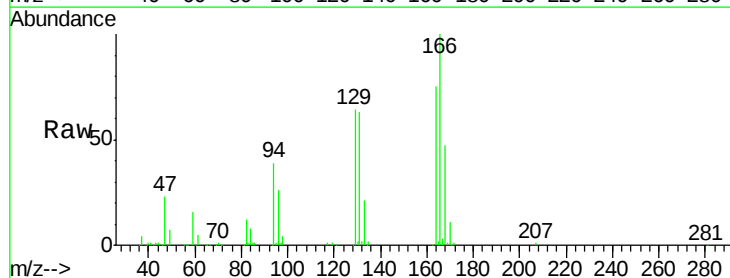
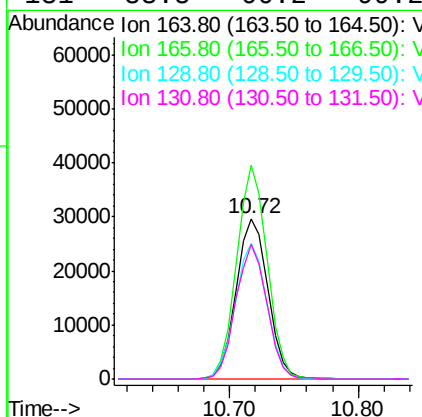
Manual Integrations
APPROVED

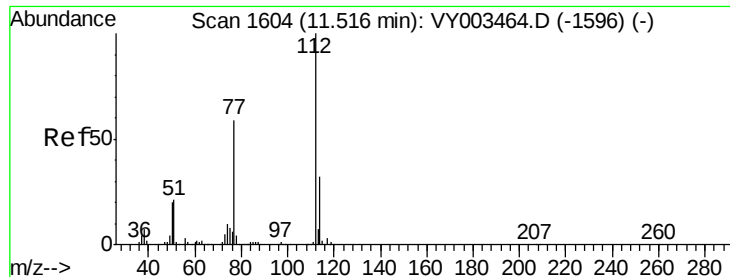
SAM
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#64
Tetrachloroethene
Concen: 23.563 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50884		
166	133.0	104.9	157.3	
129	84.5	68.9	103.3	
131	83.5	66.2	99.2	





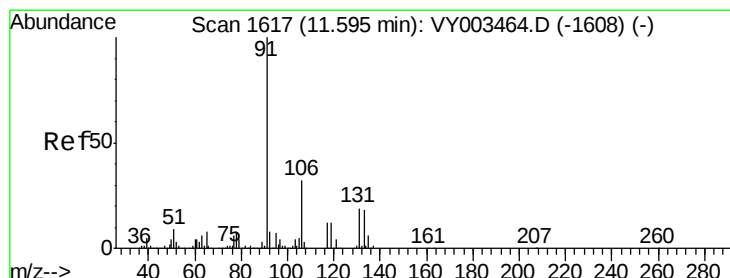
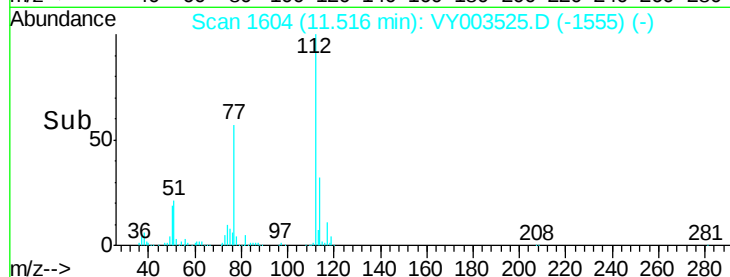
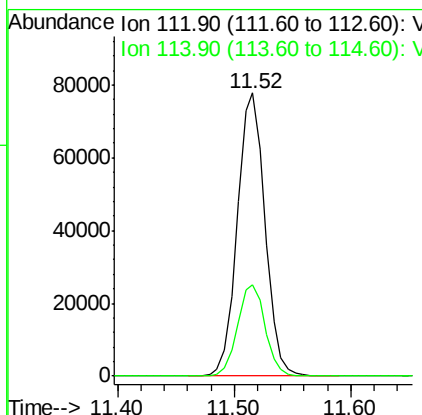
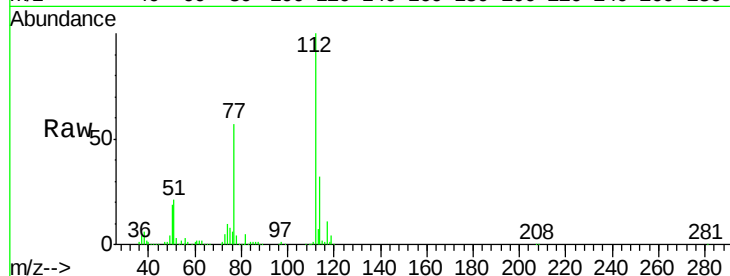
#65
Chlorobenzene
Concen: 22.896 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.5	38.3

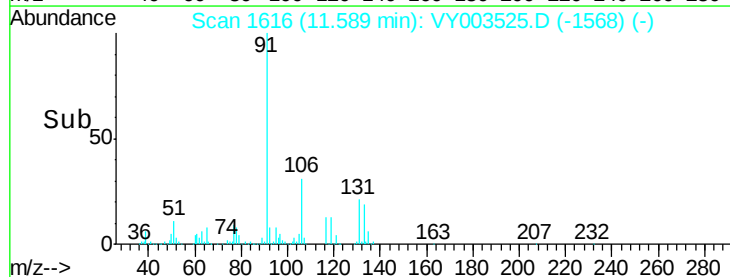
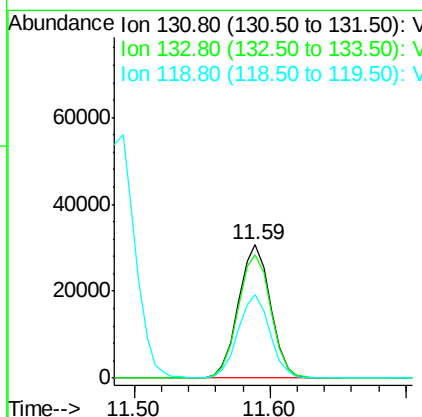
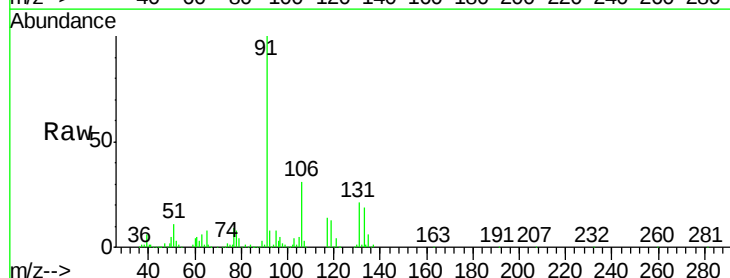
Manual Integrations
APPROVED

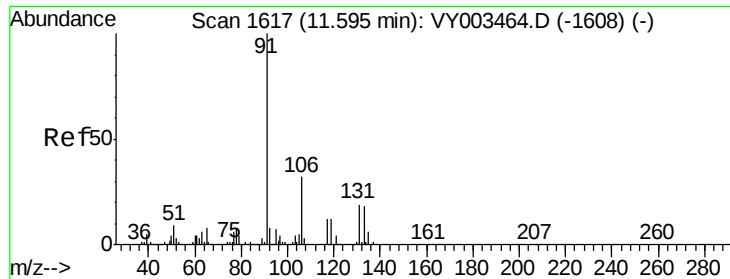
SAM
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.759 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.2
119	62.0	31.6	95.0





#67

Ethyl Benzene

Concen: 22.797 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 91 Resp: 232214

Ion Ratio Lower Upper

91 100

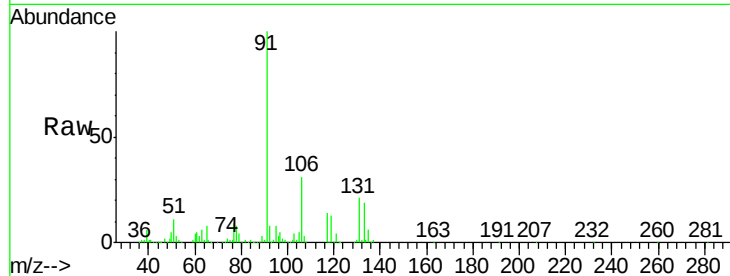
106 31.4 25.4 38.0

Manual Integrations

APPROVED

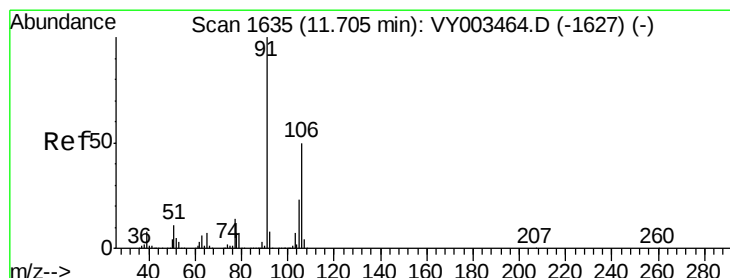
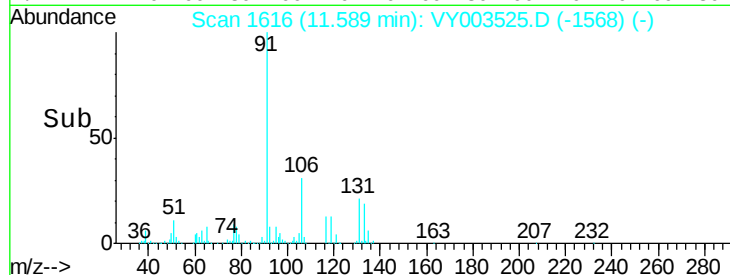
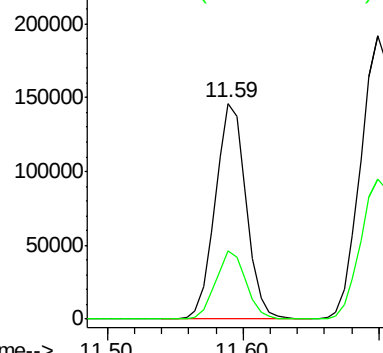
SAM

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.817 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY003525.D

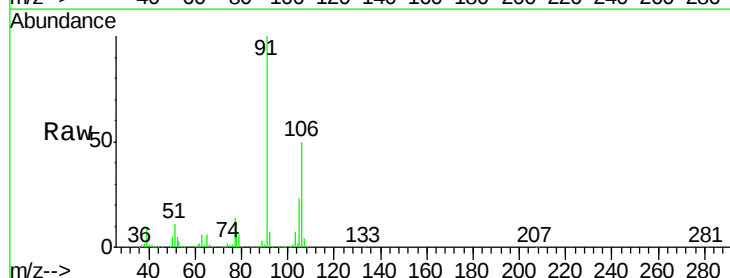
Acq: 12 Nov 2020 11:06

Tgt Ion: 106 Resp: 176861

Ion Ratio Lower Upper

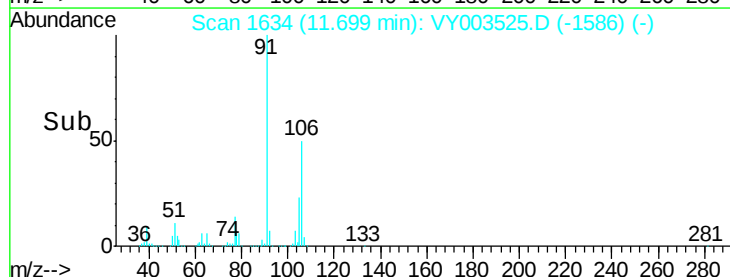
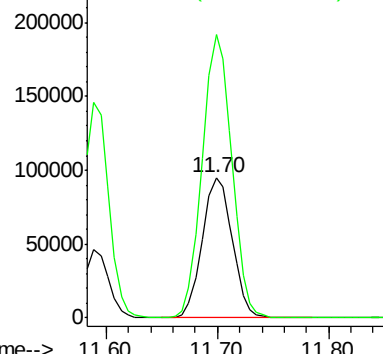
106 100

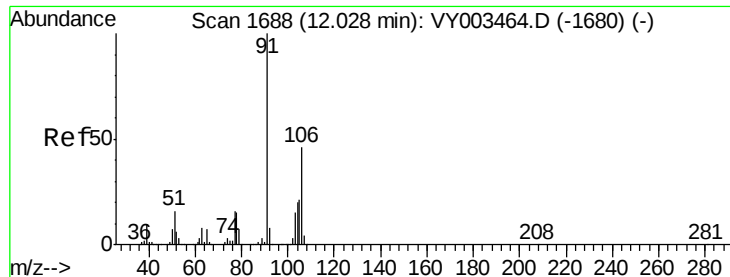
91 199.3 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





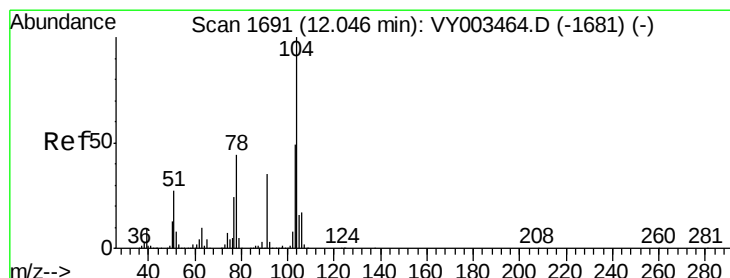
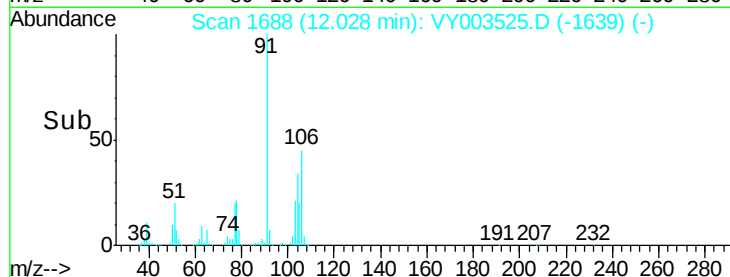
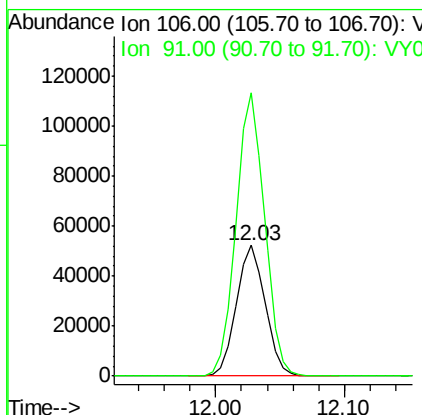
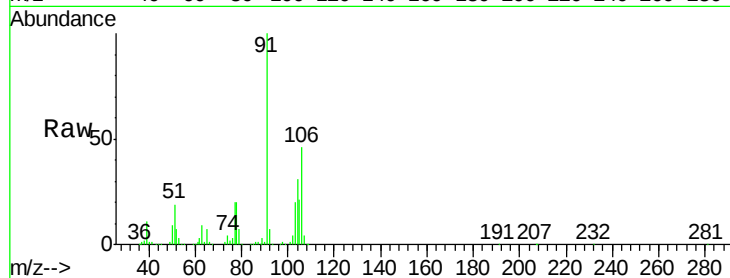
#69
o-Xylene
Concen: 22.840 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	214.8	105.5	316.5

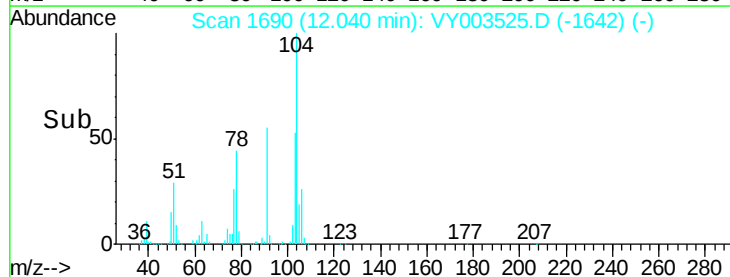
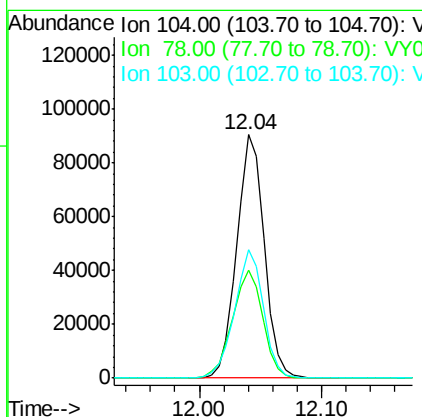
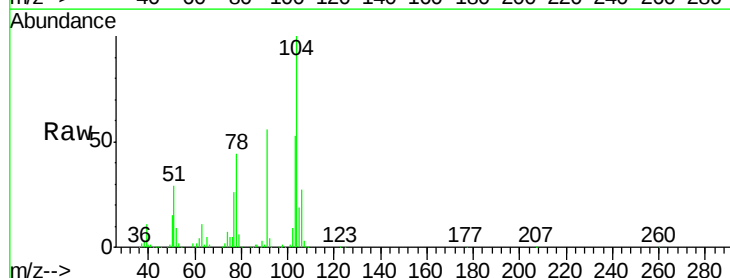
Manual Integrations
APPROVED

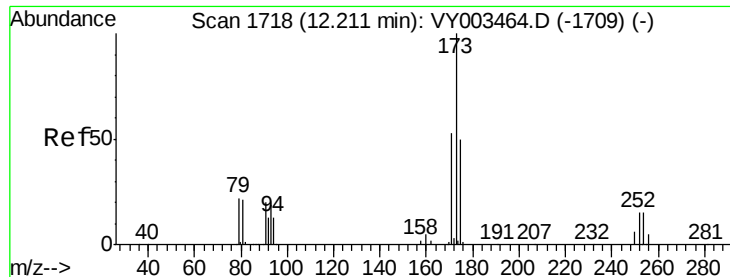
SAM
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#70
Styrene
Concen: 23.258 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.3	39.5	59.3
103	103	55.2	44.2	66.2





#71

Bromoform

Concen: 22.922 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

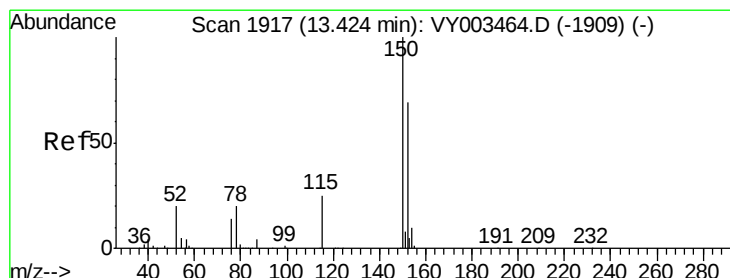
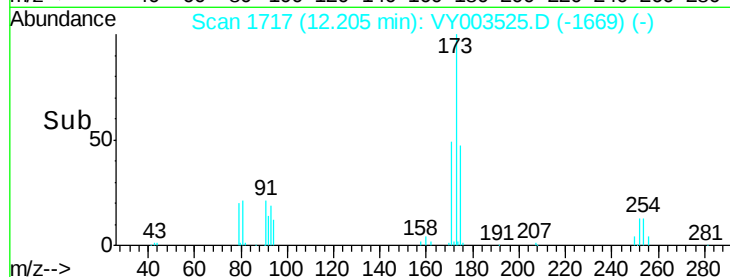
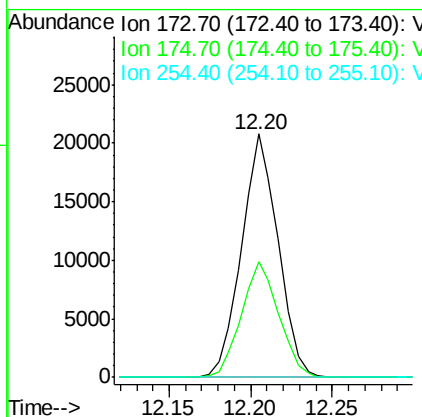
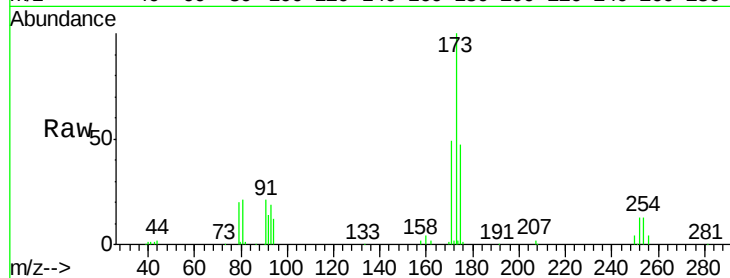
ClientSampleId :

VY1112SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.7	74.1
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

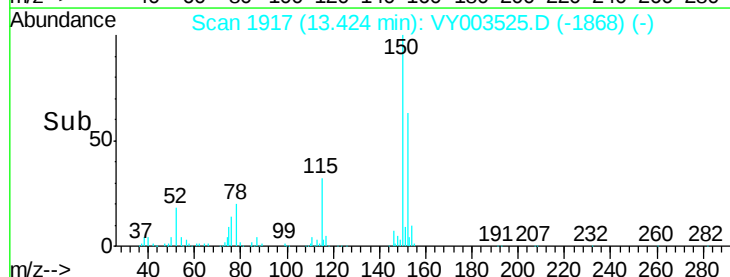
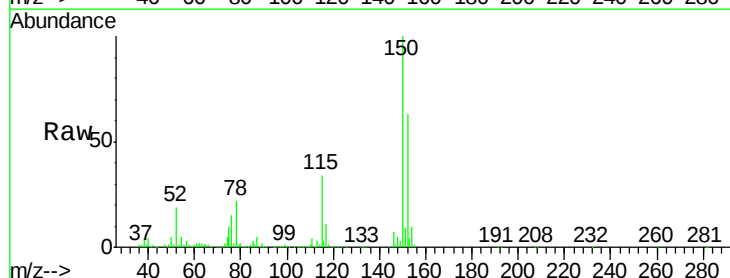
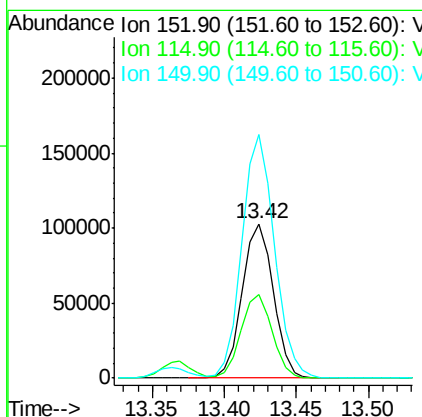
RT: 13.42 min Scan# 1917

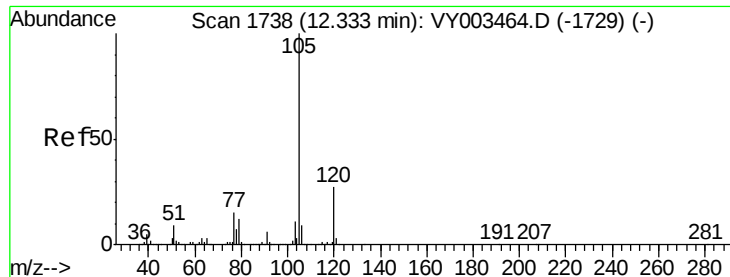
Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.5	82.4
150	164.8	0.0	345.8





#73

Isopropylbenzene

Concen: 22.380 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 105 Resp: 225020

Ion Ratio Lower Upper

105 100

120 27.5

13.5

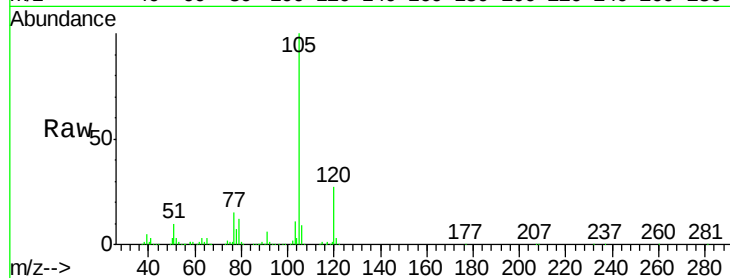
40.5

Manual Integrations

APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

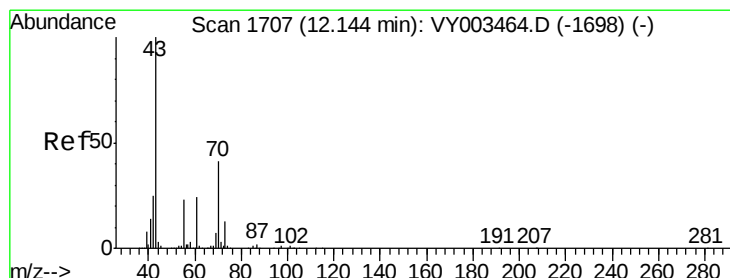
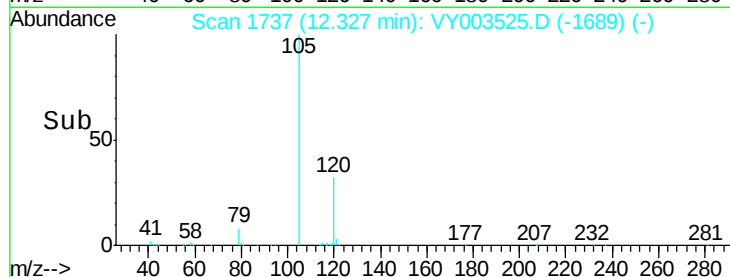
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.880 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion: 43 Resp: 62315

Ion Ratio Lower Upper

43 100

70 41.5

33.1

49.7

55 23.9

19.2

28.8

61 23.9

19.0

28.6

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

50000

40000

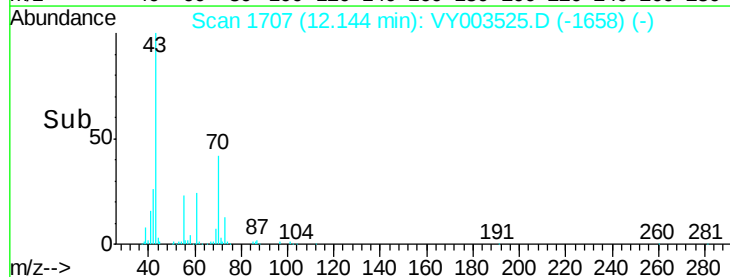
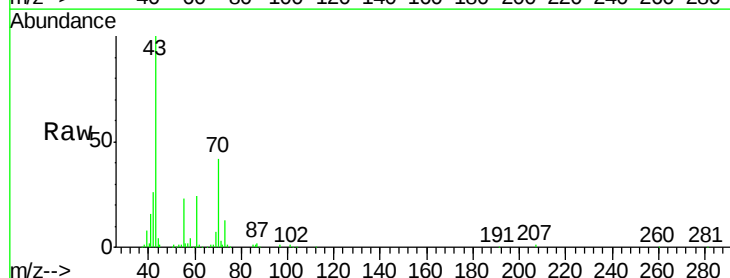
30000

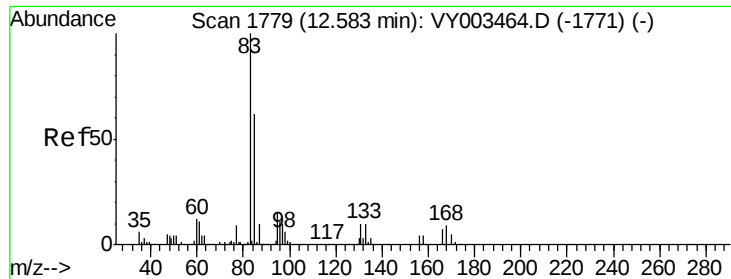
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.343 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

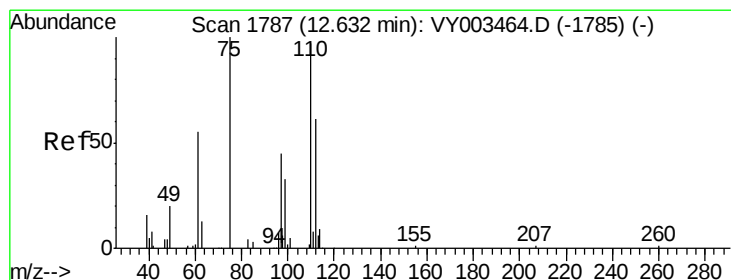
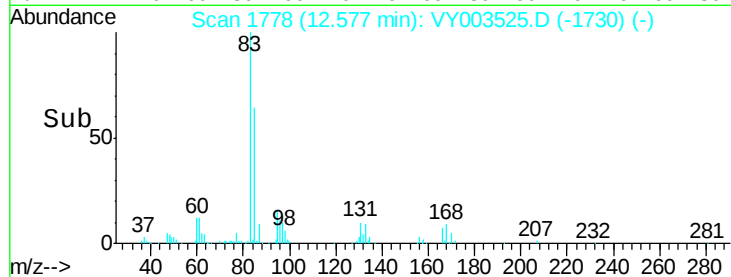
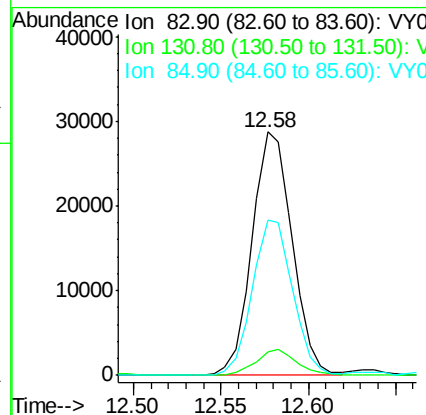
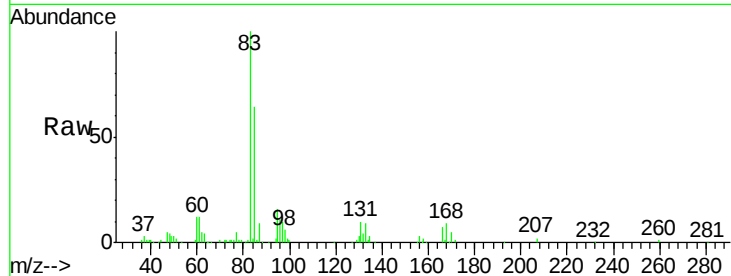
ClientSampleId :

VY1112SBS01

Tot Ion:	83	Resp:	45837
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.0	32.0	96.2

Manual Integrations
APPROVED

SAM
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#76

1,2,3-Trichloropropane

Concen: 18.948 ug/l m

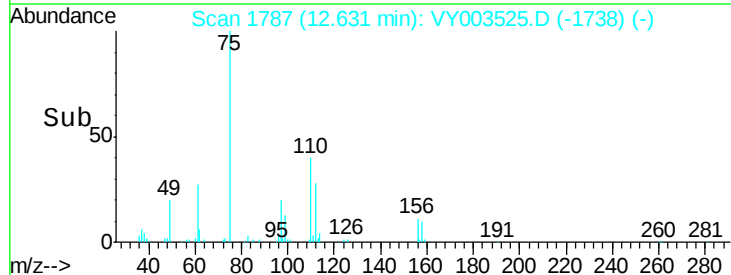
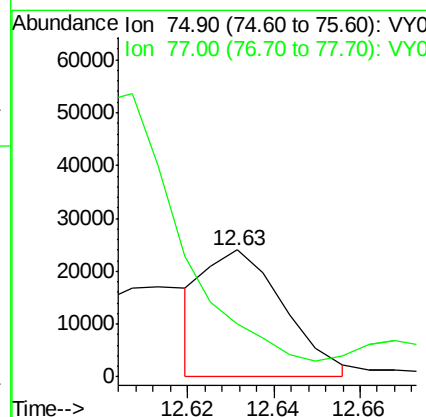
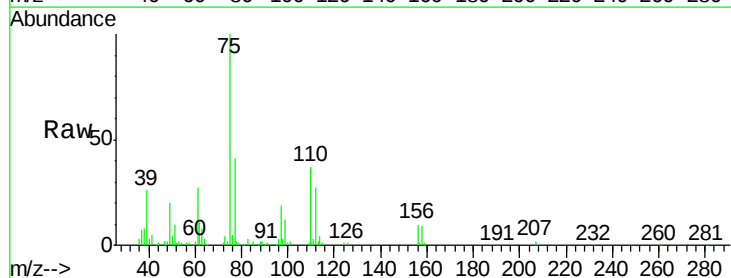
RT: 12.63 min Scan# 1787

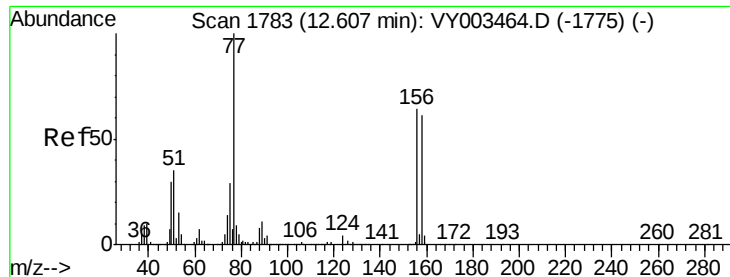
Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	75	Resp:	30858
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.149 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion:156 Resp: 59135

Ion Ratio Lower Upper

156 100

77 167.6 87.0 260.9

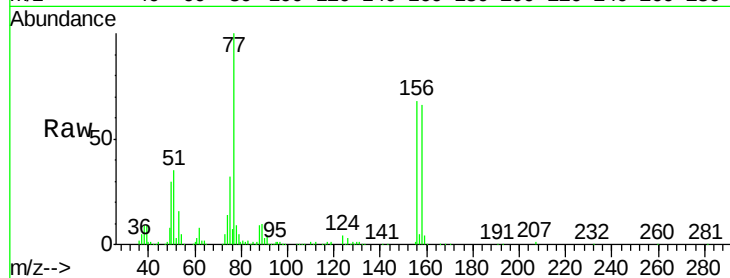
158 94.9 48.7 146.1

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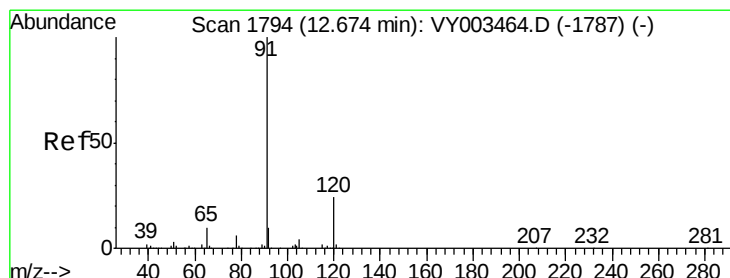
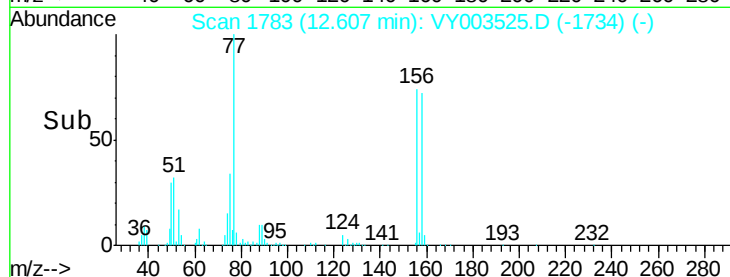
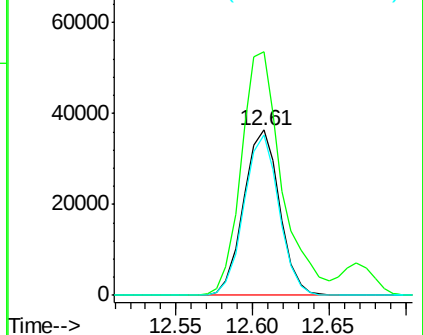
11/13/2020 6:13:43 PM



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: 22.413 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003525.D

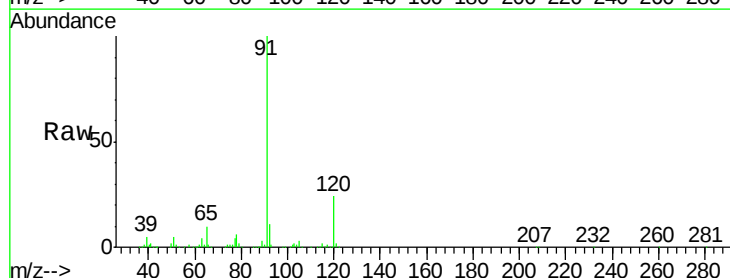
Acq: 12 Nov 2020 11:06

Tgt Ion: 91 Resp: 265438

Ion Ratio Lower Upper

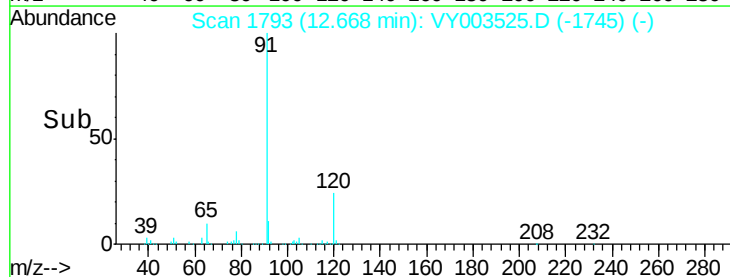
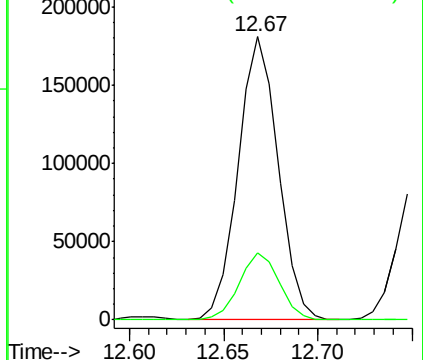
91 100

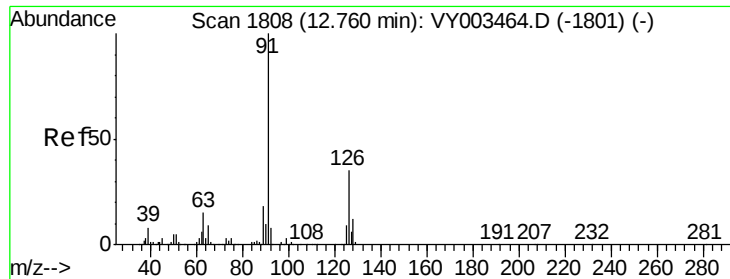
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.559 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion: 91 Resp: 149264

Ion Ratio Lower Upper

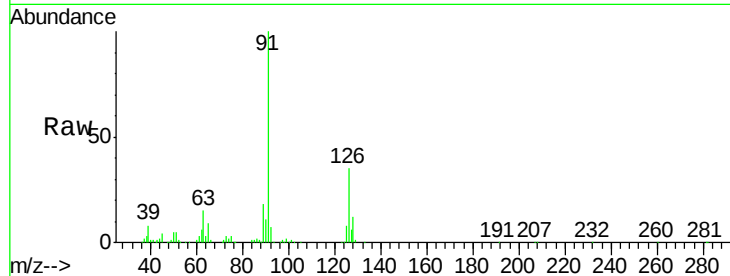
91 100

126 35.7 17.8 53.3

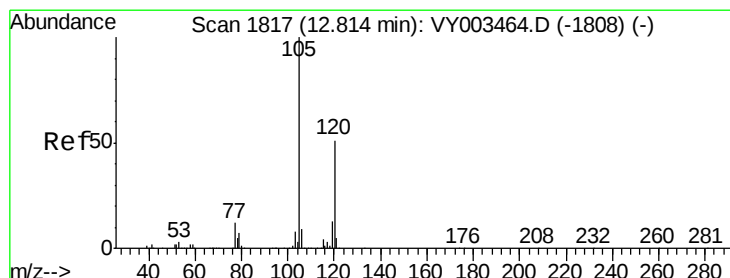
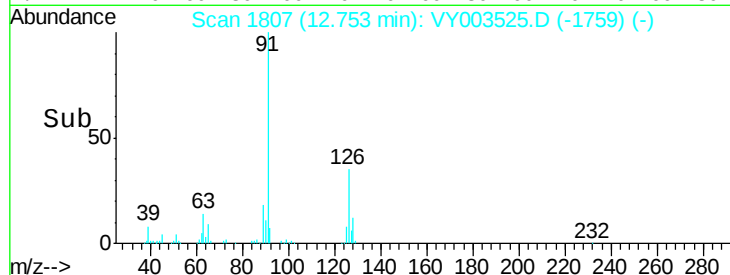
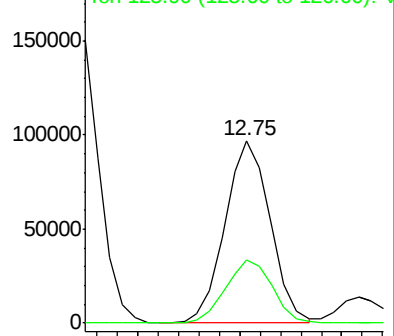
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Abundance Ion 91.00 (90.70 to 91.70): VY003464.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.003 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY003525.D

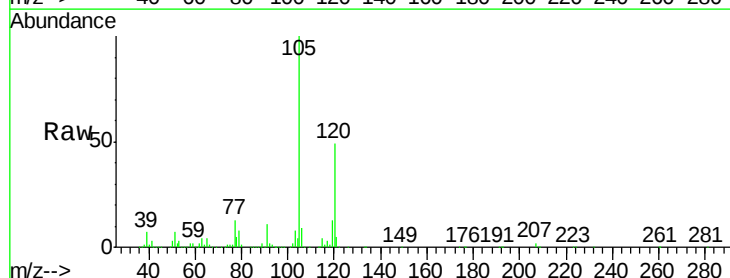
Acq: 12 Nov 2020 11:06

Tgt Ion: 105 Resp: 191629

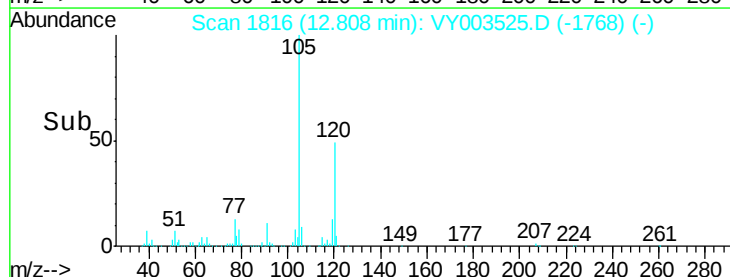
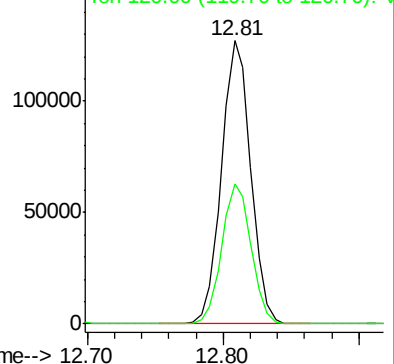
Ion Ratio Lower Upper

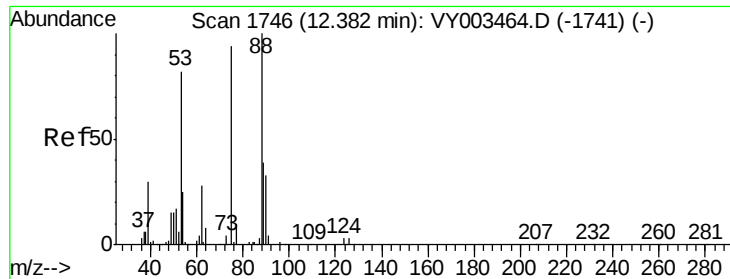
105 100

120 49.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY003464.D (-1808) (-)





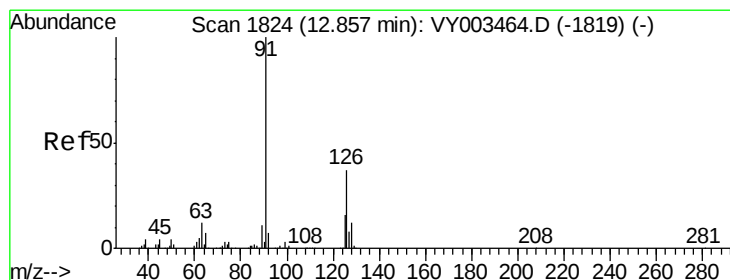
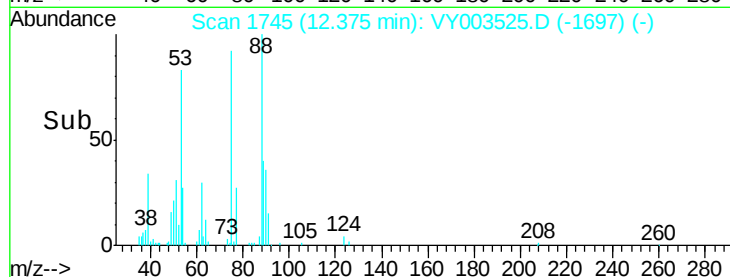
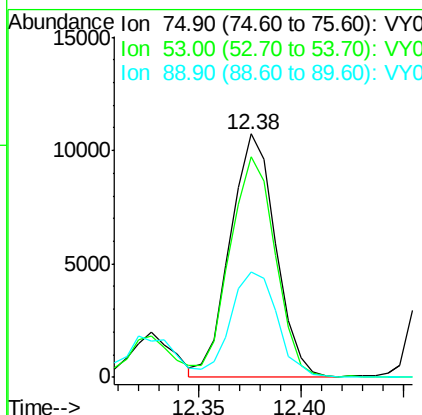
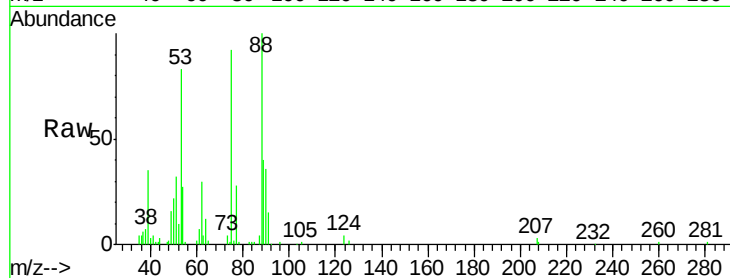
#81
trans-1,4-Dichloro-2-butene
Concen: 21.334 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	74.7	112.1
89	44.0	35.8	53.8

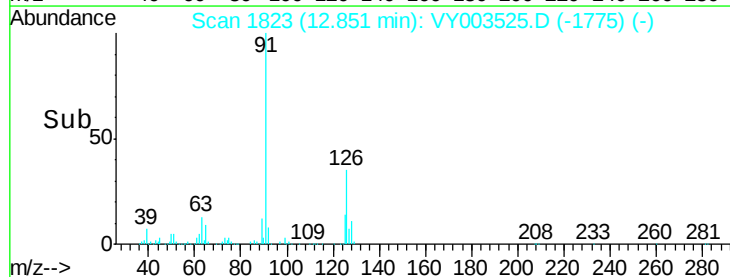
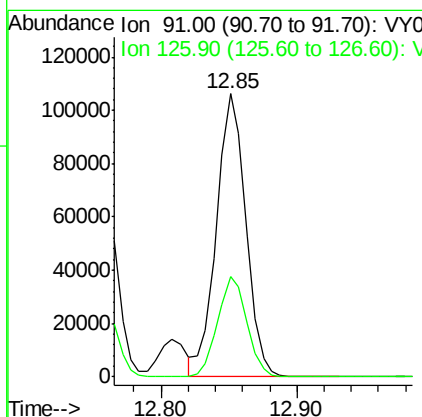
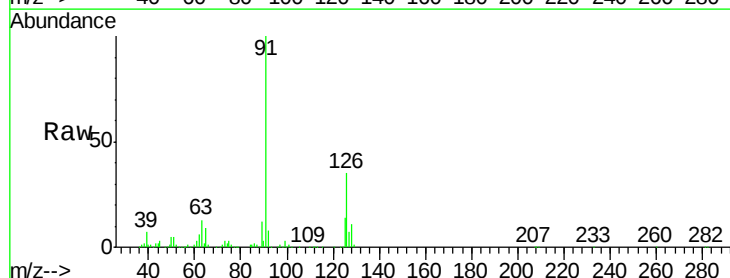
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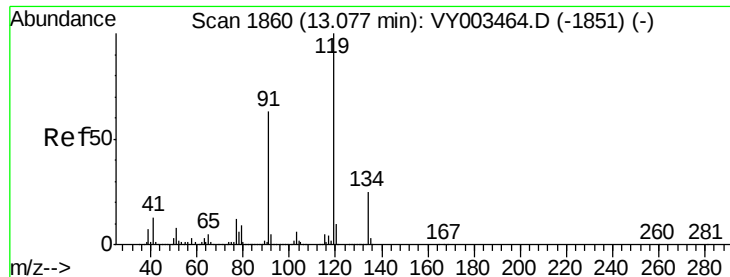
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#82
4-Chlorotoluene
Concen: 22.937 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





#83

tert-Butylbenzene

Concen: 22.301 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

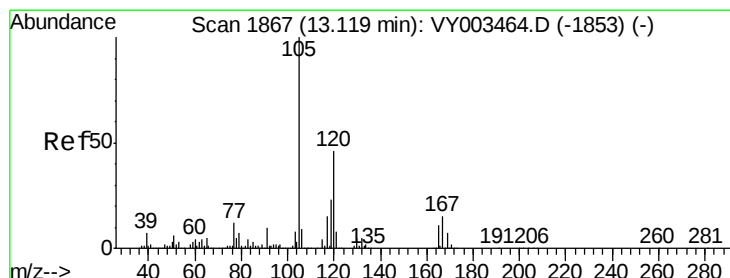
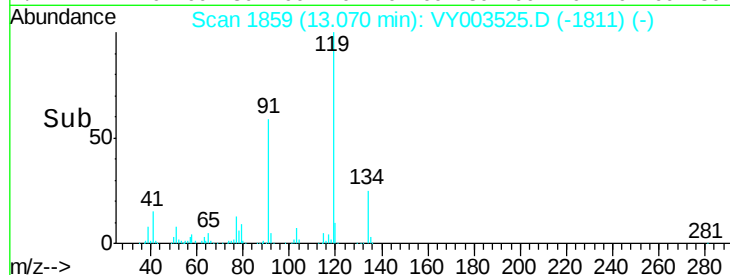
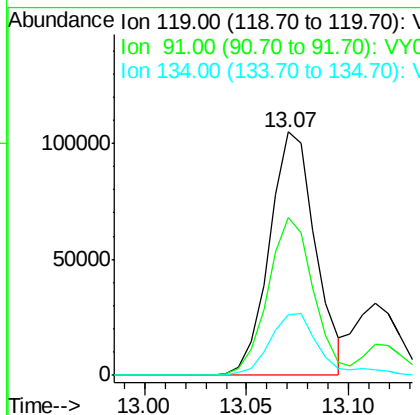
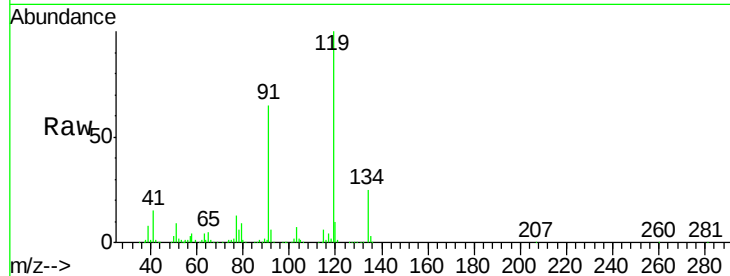
ClientSampleId :

VY1112SBS01

Tot Ion:	119	Resp:	164768
Ion Ratio	Lower	Upper	
119	100		
91	64.6	31.1	93.2
134	27.8	13.4	40.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.934 ug/l

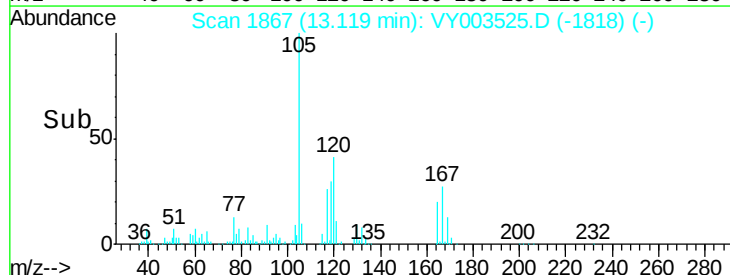
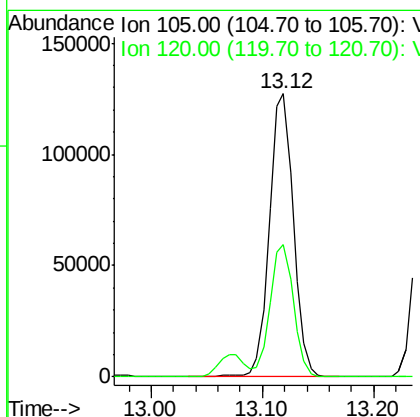
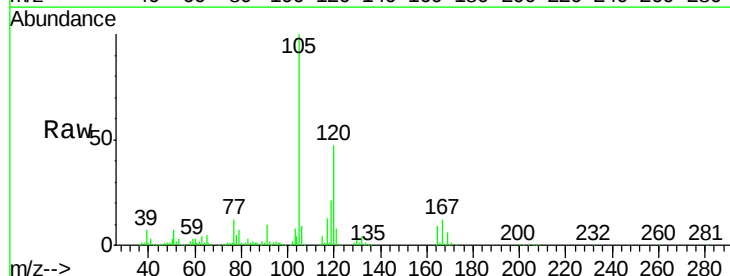
RT: 13.12 min Scan# 1867

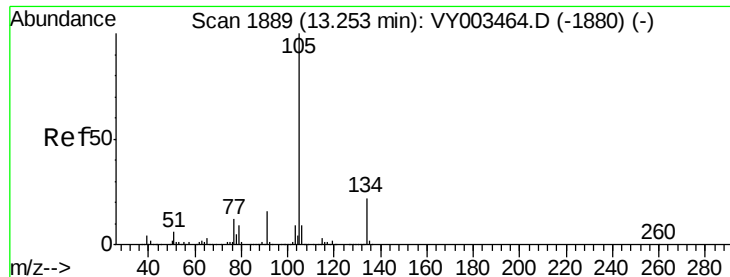
Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	105	Resp:	190942
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 22.846 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBS01

Tot Ion:105 Resp: 228555

Ion Ratio Lower Upper

105 100

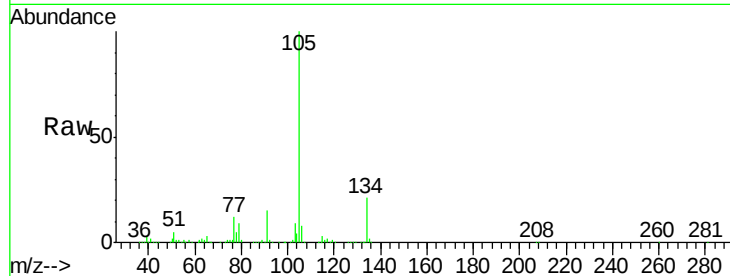
134 21.1 10.6 31.8

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

13.25

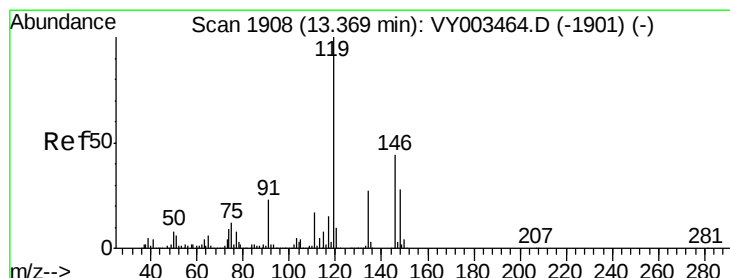
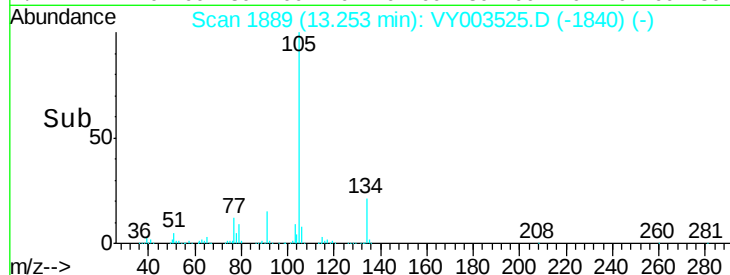
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.038 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

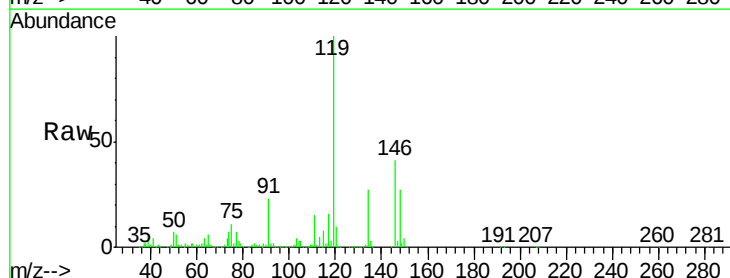
Tgt Ion:119 Resp: 213744

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 22.6 11.4 34.2



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

200000

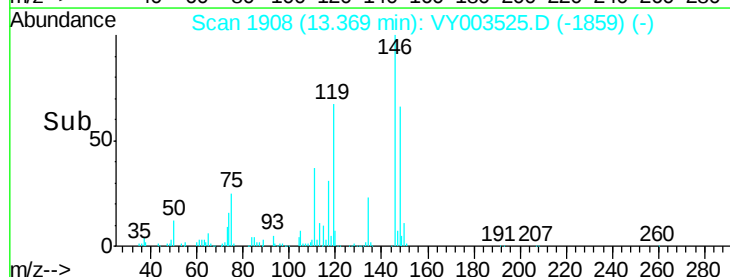
150000

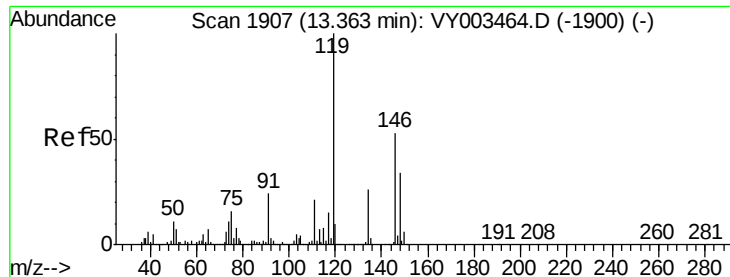
100000

50000

0

Time-->





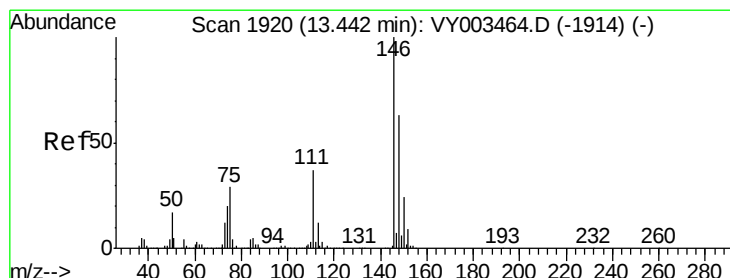
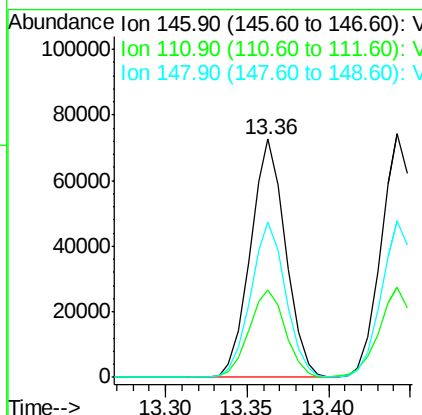
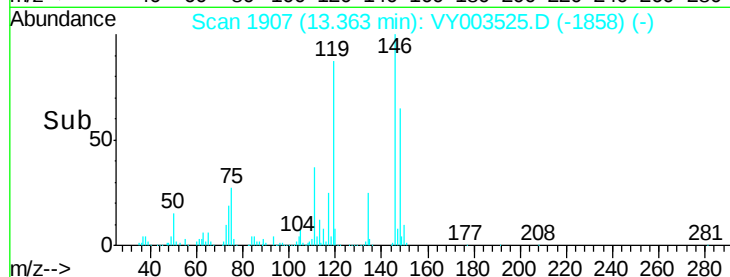
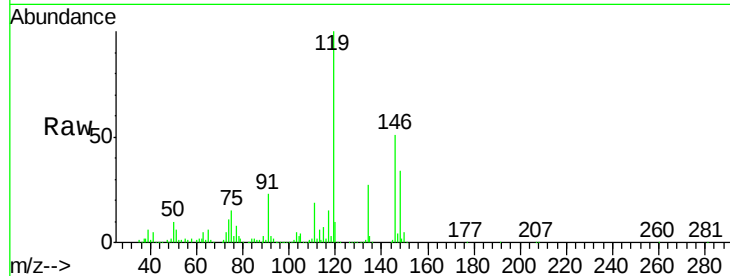
#87
 1,3-Dichlorobenzene
 Concen: 22.837 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.5	19.1	57.1	
148	64.9	32.4	97.0	

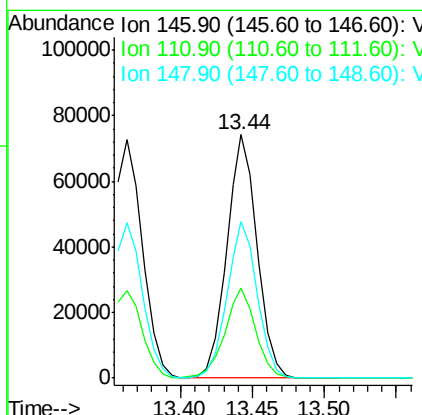
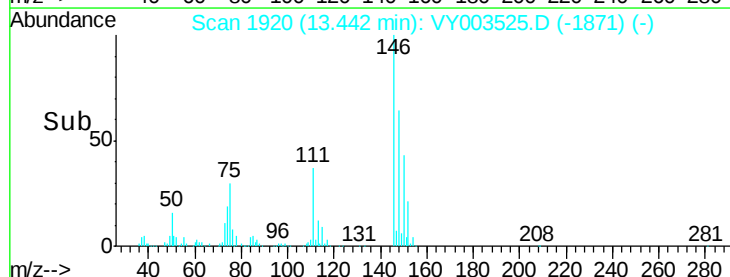
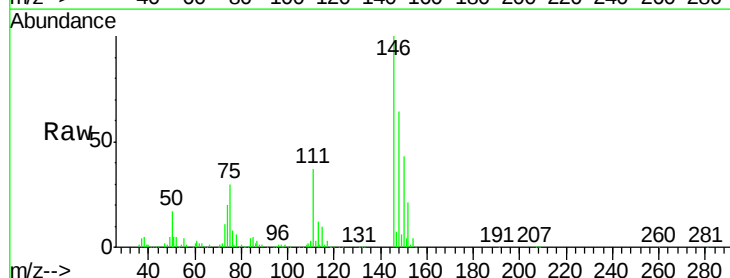
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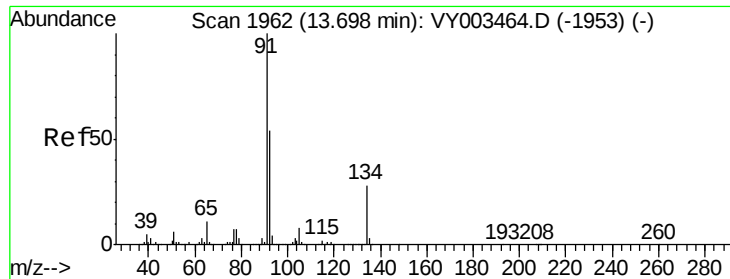
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#88
 1,4-Dichlorobenzene
 Concen: 22.978 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003525.D
 Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.9	18.3	54.8	
148	64.4	32.0	96.0	





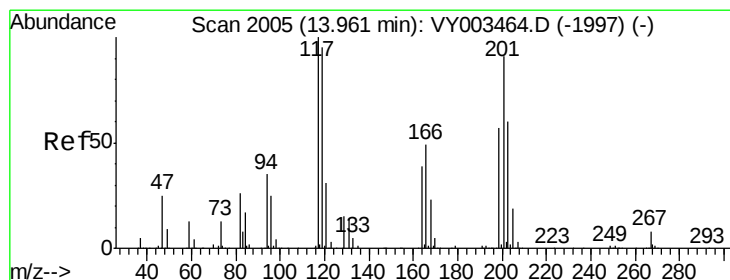
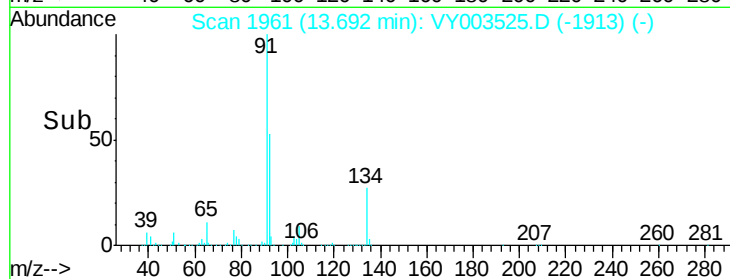
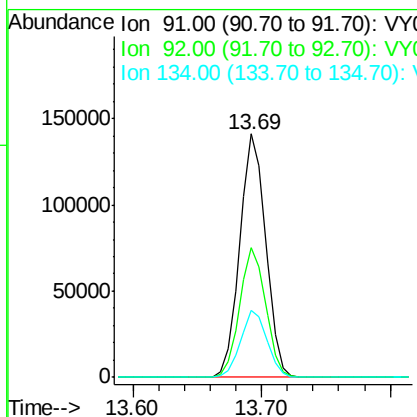
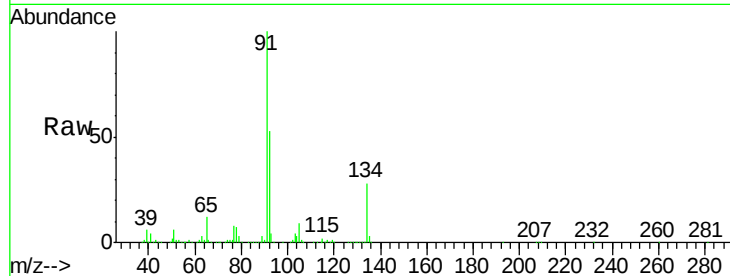
#89
n-Butylbenzene
Concen: 23.184 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	27.8	13.8	41.3

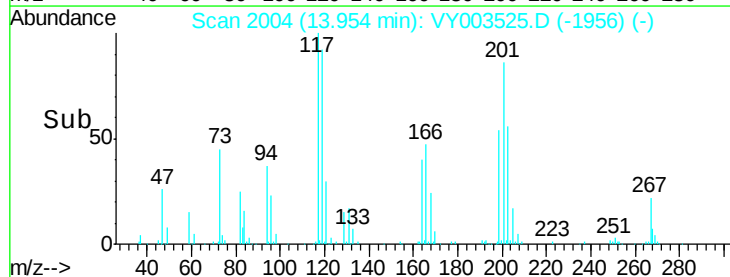
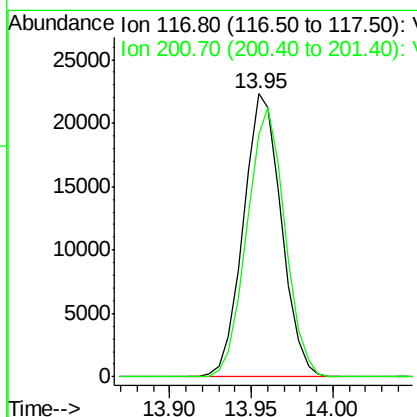
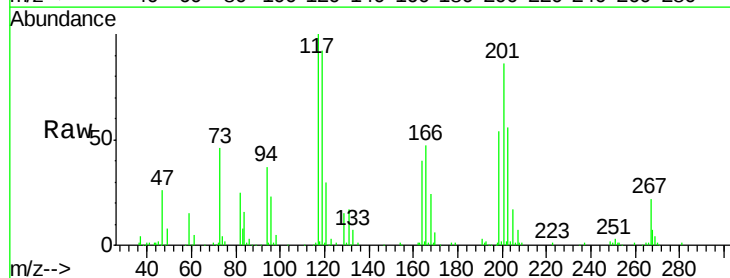
Manual Integrations
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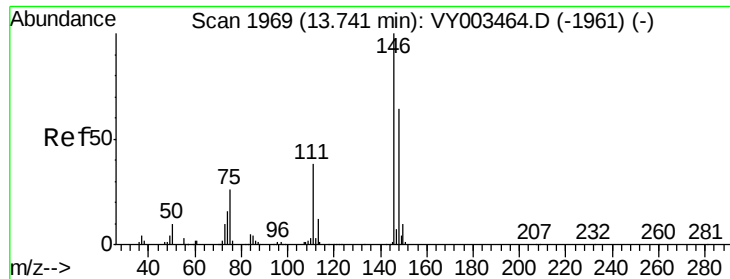
SAM
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#90
Hexachloroethane
Concen: 23.086 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.6	139.8





#91

1,2-Dichlorobenzene

Concen: 23.302 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Instrument :

MSVOA_Y

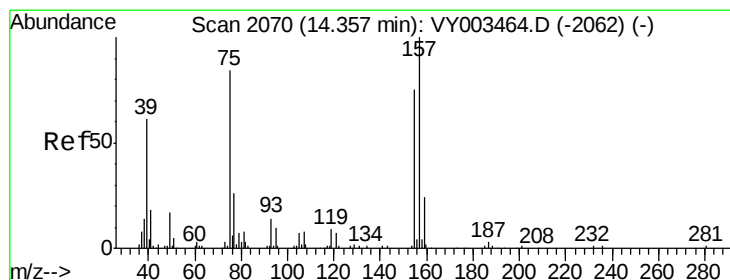
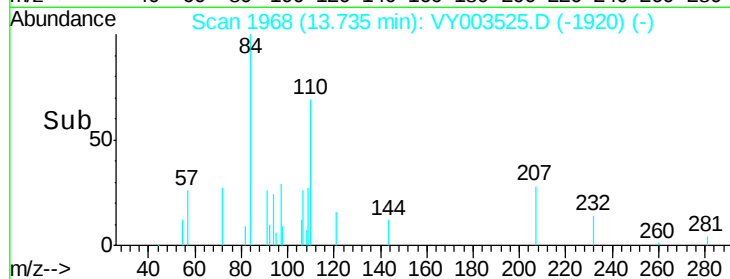
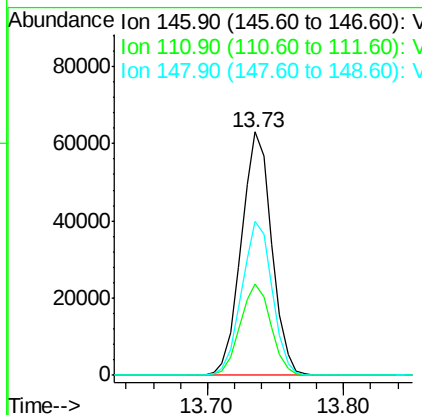
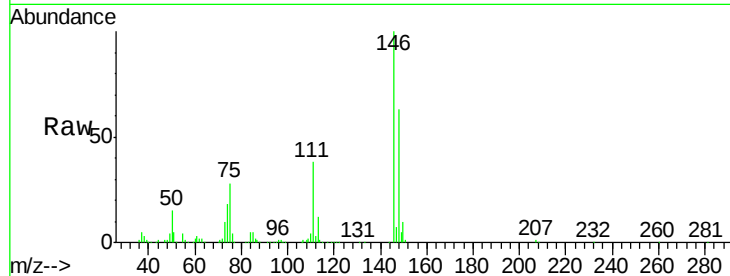
ClientSampleId :

VY1112SBS01

Tot Ion:	146	Resp:	98508
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.3	57.8
148	63.3	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.527 ug/l

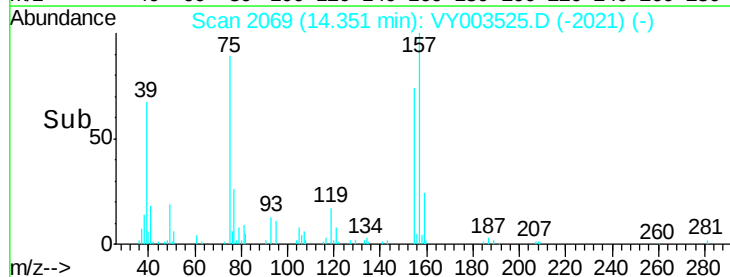
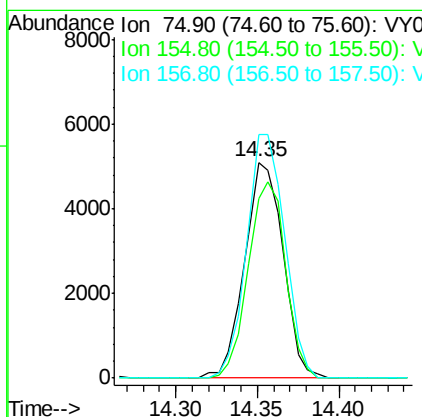
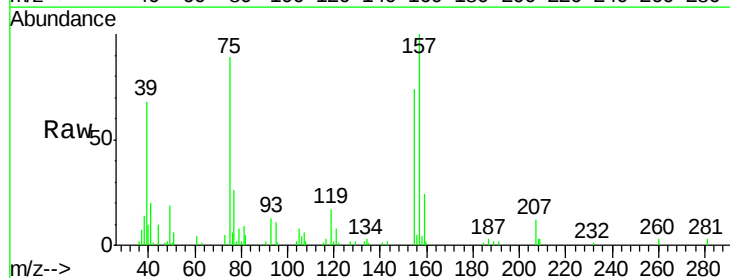
RT: 14.35 min Scan# 2069

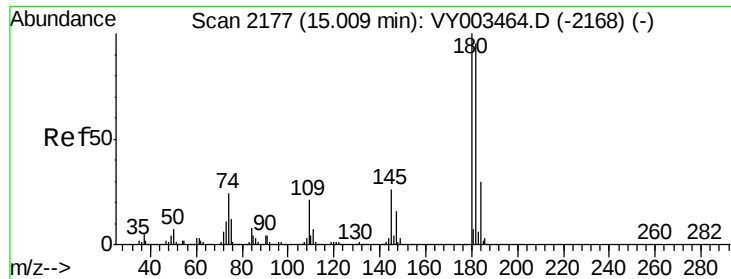
Delta R.T. -0.01 min

Lab File: VY003525.D

Acq: 12 Nov 2020 11:06

Tgt Ion:	75	Resp:	8369
Ion Ratio	Lower	Upper	
75	100		
155	88.2	45.6	136.7
157	112.4	60.3	180.8





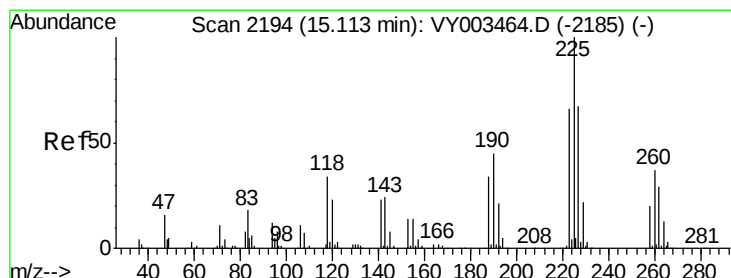
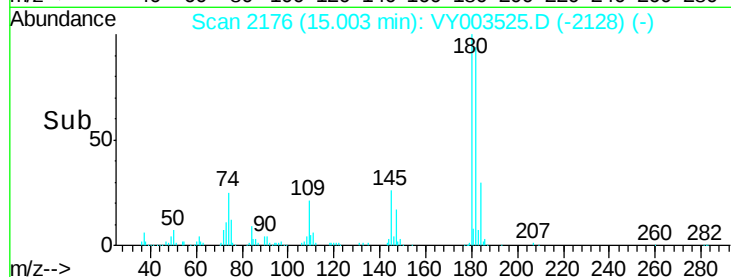
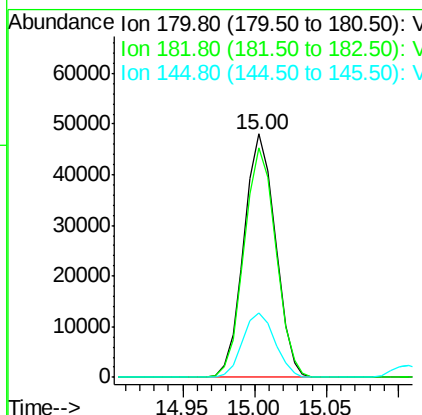
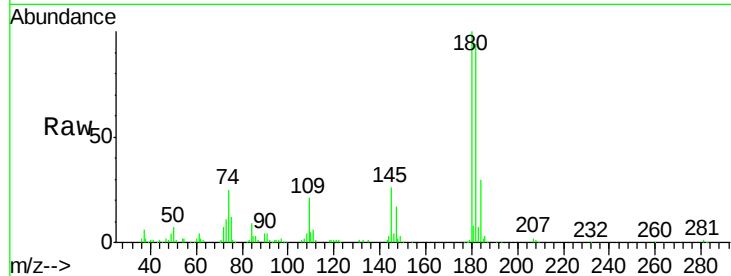
#93
1,2,4-Trichlorobenzene
Concen: 24.431 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	73056		
182	94.9	48.1	144.3	
145	27.2	13.8	41.3	

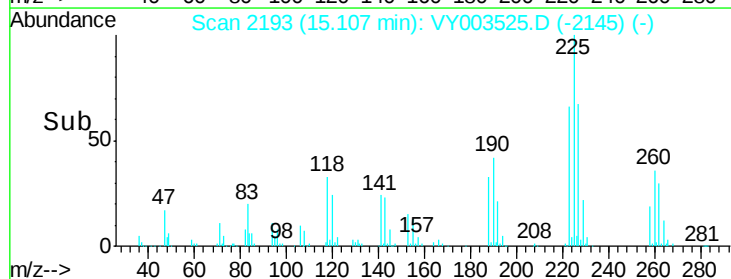
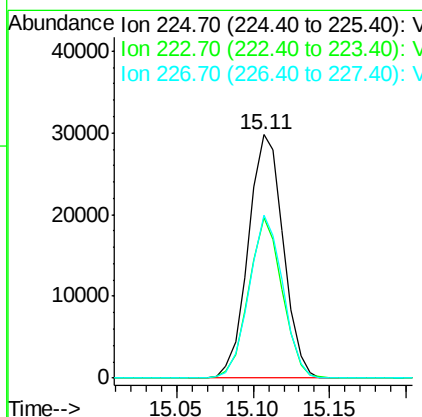
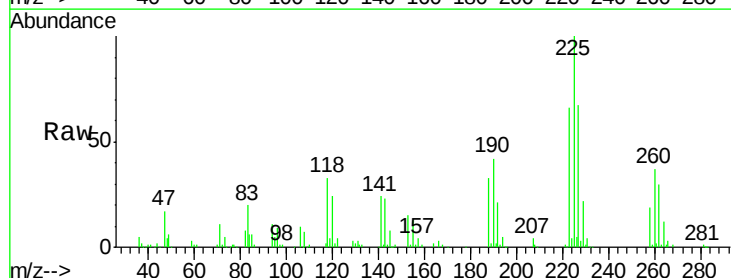
Manual Integrations
APPROVED

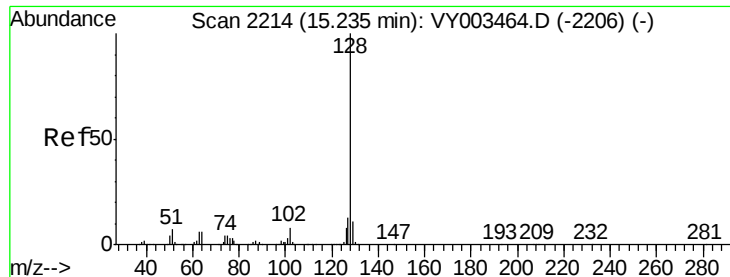
SAM
11/13/2020 6:13:43 PM



#94
Hexachlorobutadiene
Concen: 24.622 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.01 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47363		
223	63.0	32.1	96.3	
227	64.5	32.4	97.2	





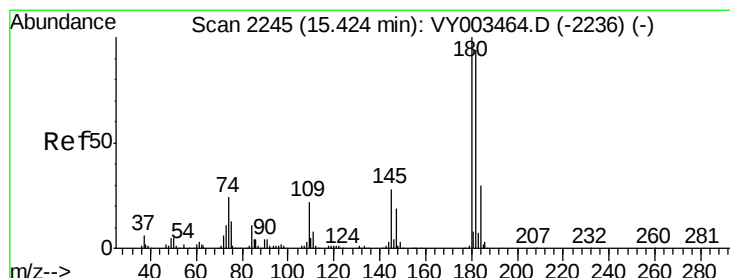
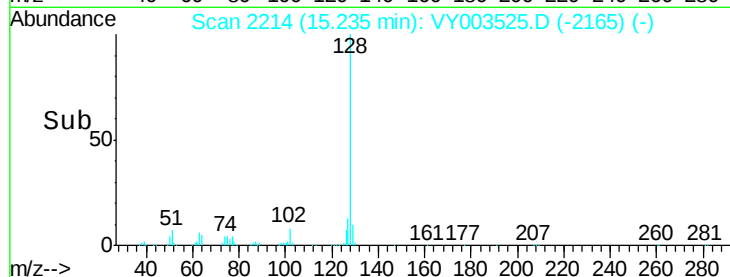
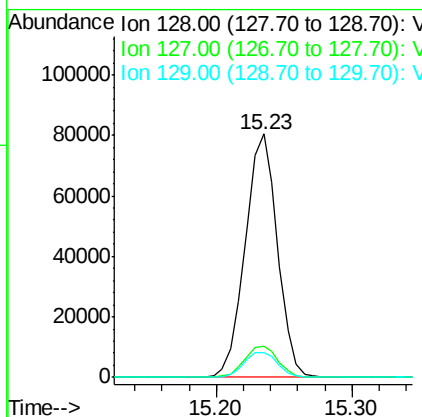
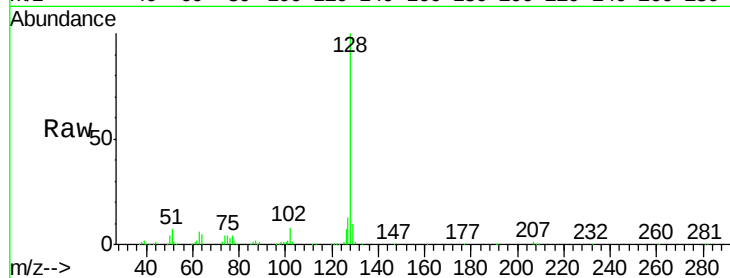
#95
Naphthalene
Concen: 22.260 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

SAM
11/13/2020 6:13:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.981 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003525.D
Acq: 12 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	29.3	14.4	43.2

