

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003001.D
 Acq On : 29 Jun 2020 11:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:05 PM

Quant Time: Jun 29 17:46:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	459322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	674506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	617155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	326293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	92789	20.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.68%	
35) Dibromofluoromethane	7.72	113	84684	20.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.26%	
50) Toluene-d8	10.18	98	313423	19.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.98%	
62) 4-Bromofluorobenzene	12.48	95	110121	19.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	68545	19.705	ug/l	96
3) Chloromethane	2.12	50	100325	19.695	ug/l	96
4) Vinyl Chloride	2.26	62	101262	20.379	ug/l	99
5) Bromomethane	2.64	94	67147	19.903	ug/l	100
6) Chloroethane	2.79	64	64618	20.443	ug/l	100
7) Trichlorofluoromethane	3.13	101	143044	20.396	ug/l	99
8) Diethyl Ether	3.54	74	48777	20.288	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	86456	20.646	ug/l	98
10) Methyl Iodide	4.09	142	105353	20.290	ug/l	98
11) Tert butyl alcohol	4.97	59	46786	100.632	ug/l	98
12) 1,1-Dichloroethene	3.88	96	80175	20.123	ug/l	99
13) Acrolein	3.74	56	46399	111.118	ug/l	99
14) Allyl chloride	4.49	41	143936	20.691	ug/l	99
15) Acrylonitrile	5.18	53	124648	100.596	ug/l	100
16) Acetone	3.95	43	105063	97.648	ug/l	94
17) Carbon Disulfide	4.20	76	261081	20.509	ug/l	100
18) Methyl Acetate	4.49	43	57346	19.783	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	233158	20.076	ug/l	99
20) Methylene Chloride	4.72	84	116204	19.350	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	91756	20.360	ug/l	99
22) Diisopropyl ether	6.13	45	305004	20.457	ug/l	99
23) Vinyl Acetate	6.07	43	1014816	101.806	ug/l	99
24) 1,1-Dichloroethane	6.02	63	167679	20.588	ug/l	99
25) 2-Butanone	6.99	43	170997	100.049	ug/l	97
26) 2,2-Dichloropropane	6.99	77	150474	20.335	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	102182	20.214	ug/l	99
28) Bromochloromethane	7.34	49	67124	18.523	ug/l	96
29) Tetrahydrofuran	7.36	42	114301	100.566	ug/l	99
30) Chloroform	7.51	83	165740	20.541	ug/l	99
31) Cyclohexane	7.79	56	163853	20.422	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	150457	20.429	ug/l	99
36) 1,1-Dichloropropene	7.92	75	131931	20.306	ug/l	99
37) Ethyl Acetate	7.08	43	78560	20.111	ug/l	100
38) Carbon Tetrachloride	7.91	117	137574	20.352	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	165224	20.511	ug/l	98
40) Benzene	8.16	78	365548	20.551	ug/l	100
41) Methacrylonitrile	7.32	41	38333m	8.000	ug/l	
42) 1,2-Dichloroethane	8.24	62	116168	20.644	ug/l	99
43) Isopropyl Acetate	8.28	43	146354	19.707	ug/l	98
44) Trichloroethene	8.94	130	104415	20.196	ug/l	99
45) 1,2-Dichloropropane	9.22	63	97995	20.478	ug/l	98
46) Dibromomethane	9.31	93	53763	20.115	ug/l	98
47) Bromodichloromethane	9.50	83	130486	19.938	ug/l	98
48) Methyl methacrylate	9.30	41	67135	19.861	ug/l	98
49) 1,4-Dioxane	9.30	88	12924	396.122	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	386419	100.674	ug/l	100
52) Toluene	10.24	92	226998	20.273	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	136607	19.909	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	156148	19.898	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	73847	19.883	ug/l	88
56) Ethyl methacrylate	10.51	69	108867	20.250	ug/l	98
57) 1,3-Dichloropropane	10.79	76	131802	20.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	254013	92.123	ug/l	100
59) 2-Hexanone	10.83	43	267425	99.679	ug/l	99
60) Dibromochloromethane	10.99	129	93961	19.769	ug/l	99
61) 1,2-Dibromoethane	11.09	107	73143	19.976	ug/l	99
64) Tetrachloroethene	10.72	164	106074	20.308	ug/l	97
65) Chlorobenzene	11.52	112	249569	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	95617	20.125	ug/l	99
67) Ethyl Benzene	11.59	91	452651	20.332	ug/l	100
68) m/p-Xylenes	11.70	106	335154	40.450	ug/l	99
69) o-Xylene	12.03	106	159225	20.393	ug/l	98
70) Styrene	12.04	104	269508	20.205	ug/l	100
71) Bromoform	12.20	173	63222	19.956	ug/l #	100
73) Isopropylbenzene	12.33	105	433281	20.290	ug/l	100
74) N-amyl acetate	12.14	43	141464	20.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	85609	19.866	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	63099m	11.314	ug/l	
77) Bromobenzene	12.61	156	110381	20.160	ug/l	99
78) n-propylbenzene	12.67	91	526932	20.518	ug/l	99
79) 2-Chlorotoluene	12.75	91	295471	20.612	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	368503	20.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	33233	20.022	ug/l	98
82) 4-Chlorotoluene	12.85	91	300863	20.158	ug/l	99
83) tert-Butylbenzene	13.08	119	322833	20.517	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	369480	20.462	ug/l	99
85) sec-Butylbenzene	13.25	105	451698	20.827	ug/l	99
86) p-Isopropyltoluene	13.37	119	412034	20.503	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	206613	20.212	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	207490	20.585	ug/l	99
89) n-Butylbenzene	13.69	91	399680	20.786	ug/l	99
90) Hexachloroethane	13.96	117	81794	20.497	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	188487	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15375	20.154	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	139379	20.452	ug/l	99
94) Hexachlorobutadiene	15.11	225	89918	20.918	ug/l	99
95) Naphthalene	15.23	128	249530	20.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	117535	19.862	ug/l	98

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

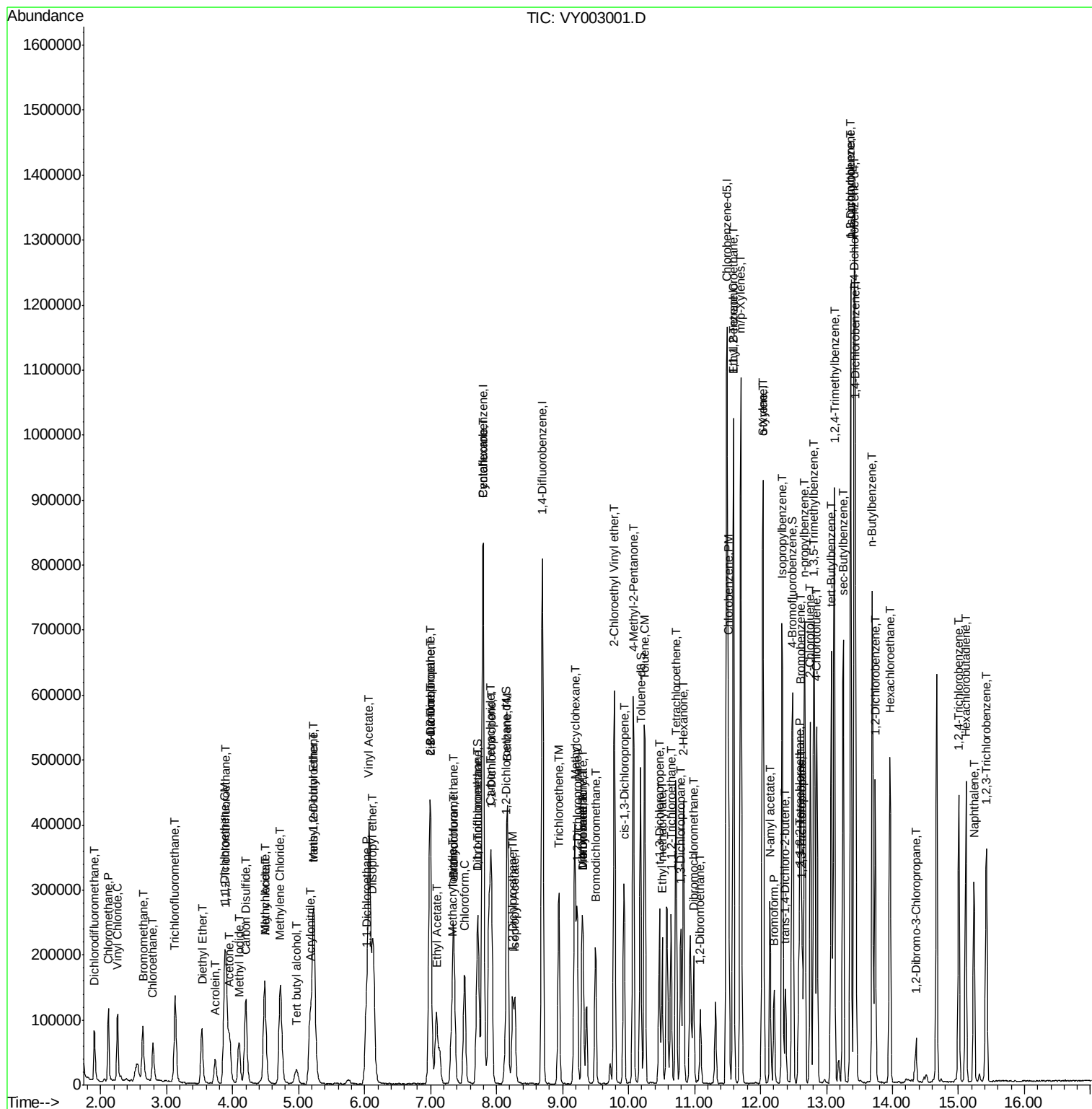
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
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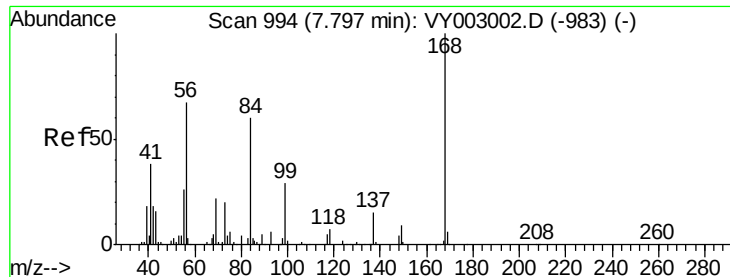
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 459322

Ion Ratio Lower Upper

168 100

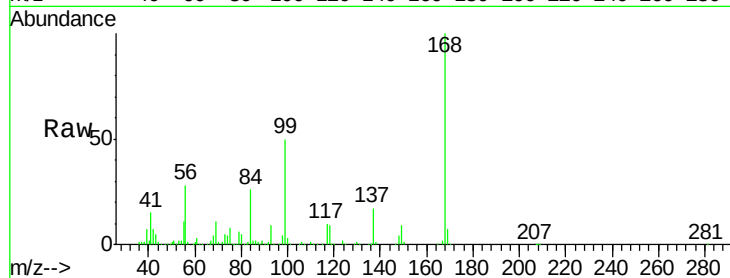
99 49.8 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

200000

150000

100000

50000

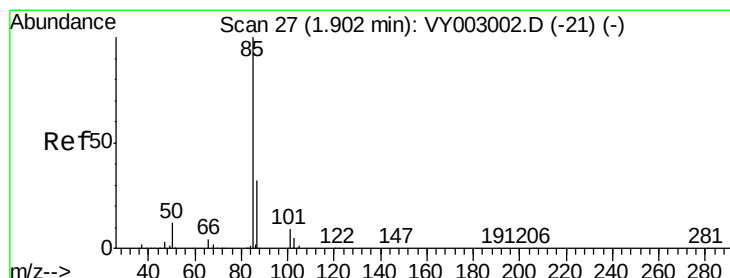
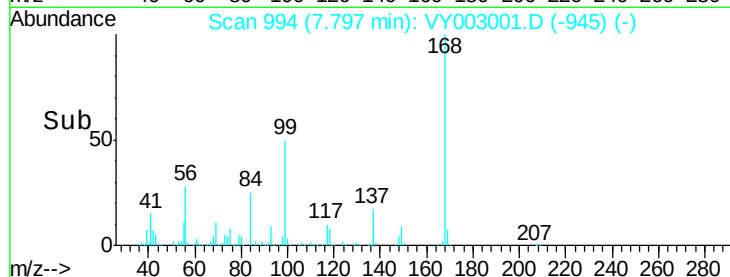
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.705 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003001.D

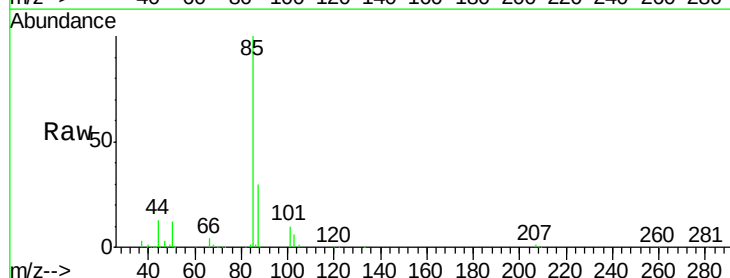
Acq: 29 Jun 2020 11:54

Tgt Ion: 85 Resp: 68545

Ion Ratio Lower Upper

85 100

87 29.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003002.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003002.D (-21) (-)

1.90

50000

40000

30000

20000

10000

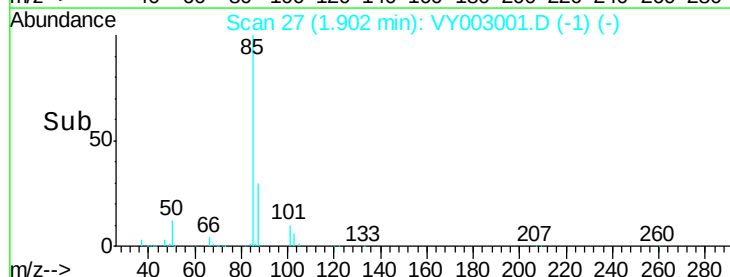
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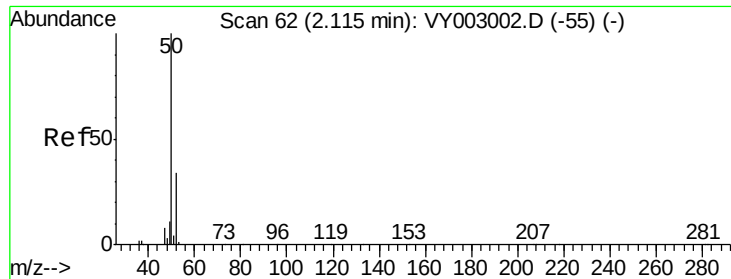
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 19.695 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 100325

Ion Ratio Lower Upper

50 100

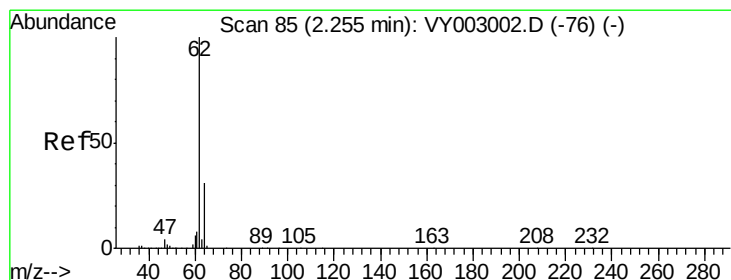
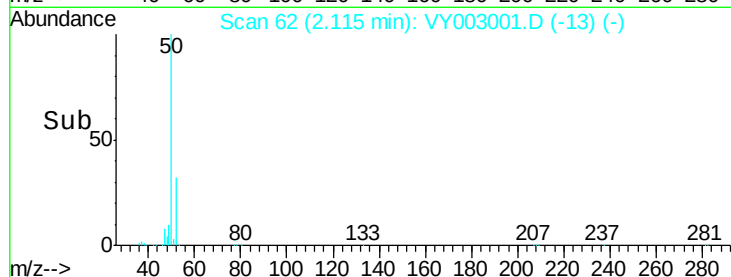
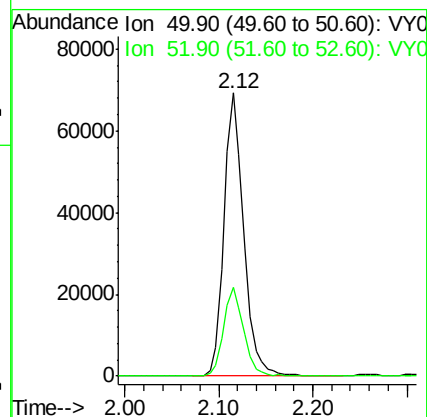
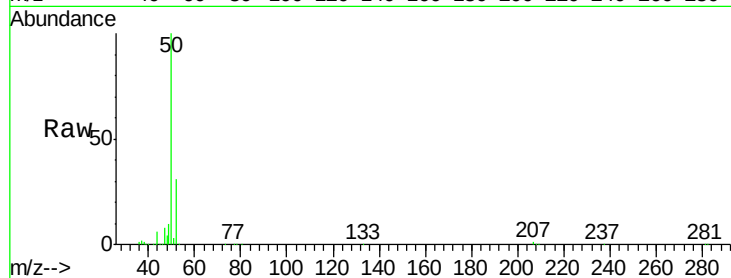
52 31.5 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.379 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003001.D

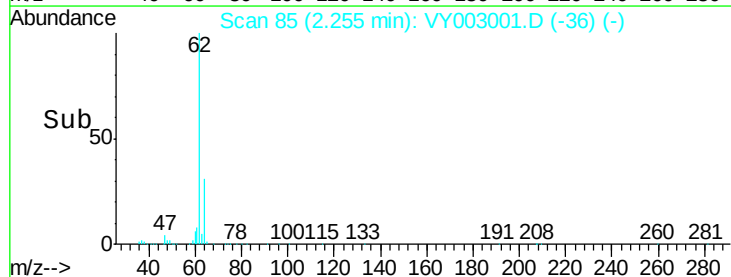
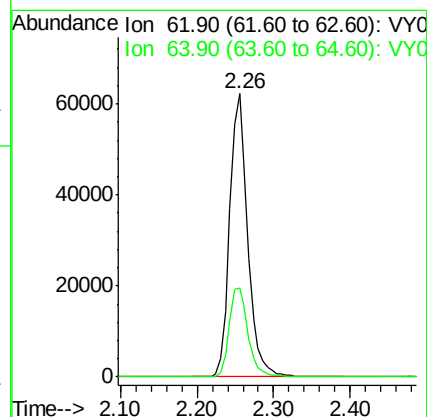
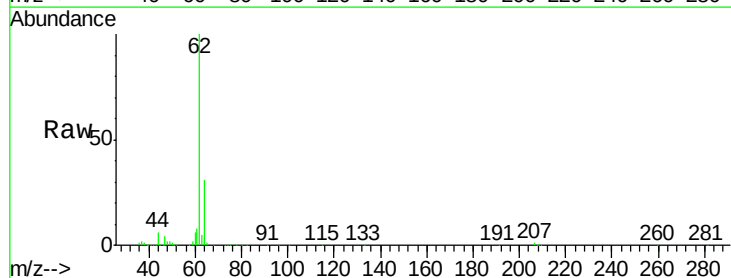
Acq: 29 Jun 2020 11:54

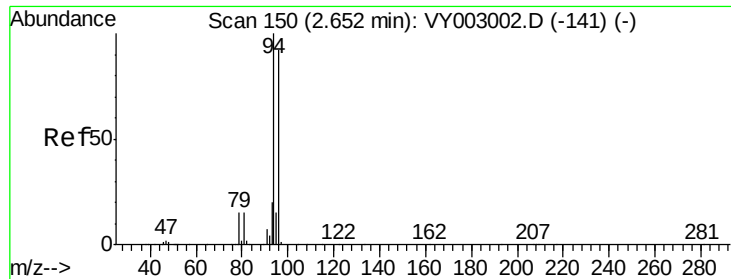
Tgt Ion: 62 Resp: 101262

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 19.903 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

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Tot Ion: 94 Resp: 67147

Ion Ratio Lower Upper

94 100

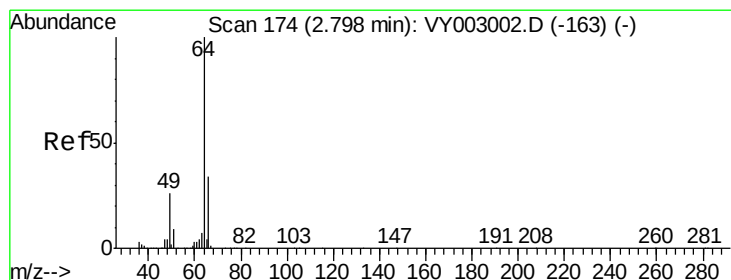
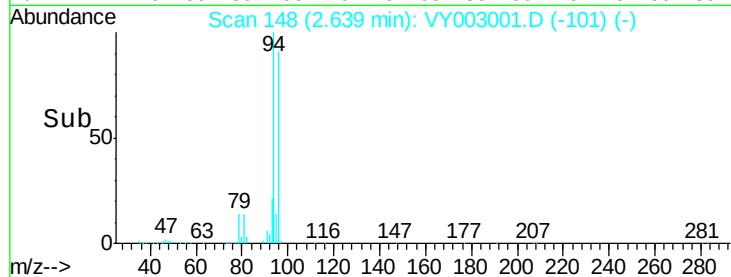
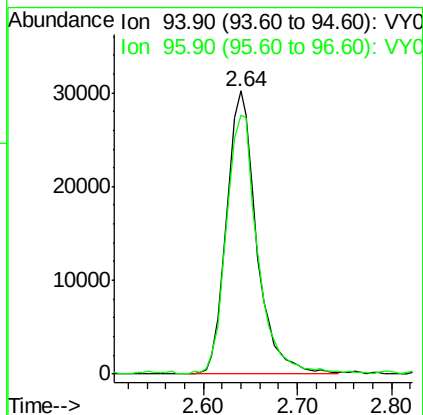
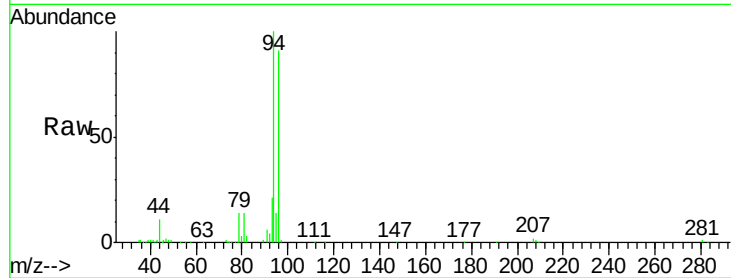
96 91.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 20.443 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003001.D

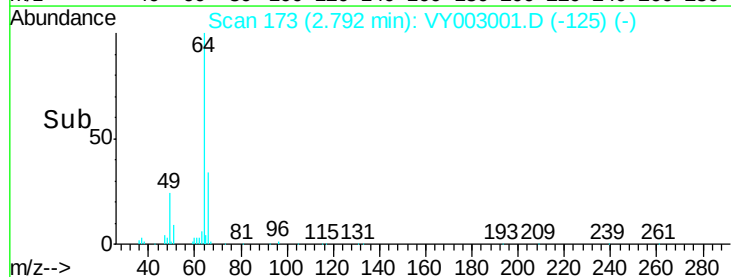
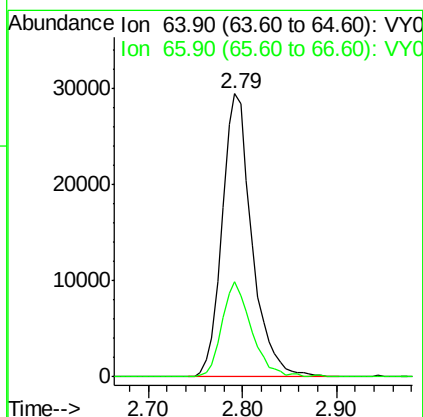
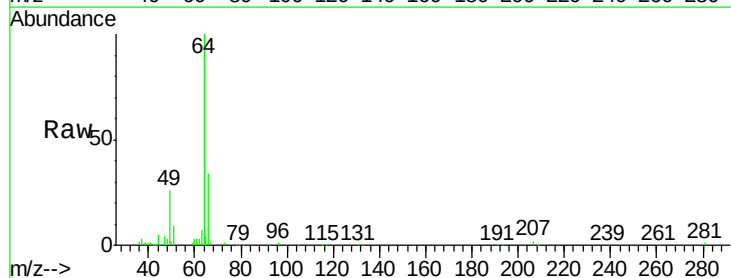
Acq: 29 Jun 2020 11:54

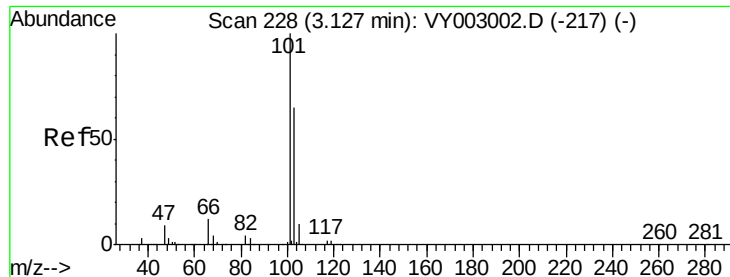
Tgt Ion: 64 Resp: 64618

Ion Ratio Lower Upper

64 100

66 33.5 27.0 40.4





#7

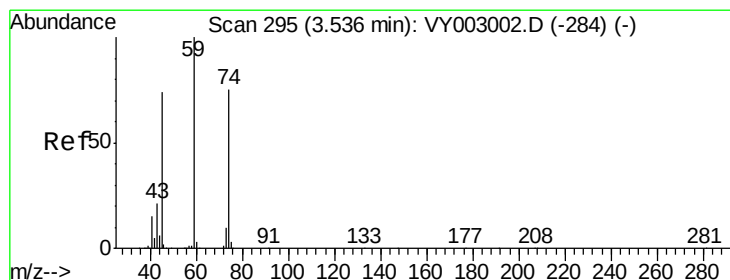
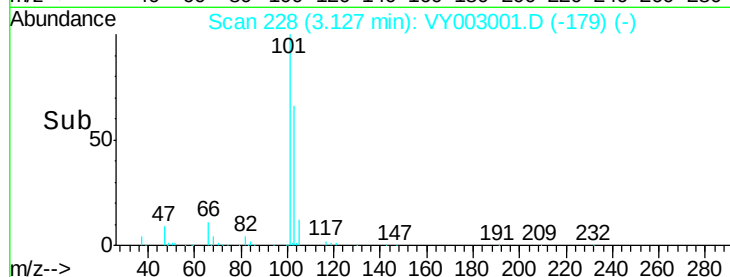
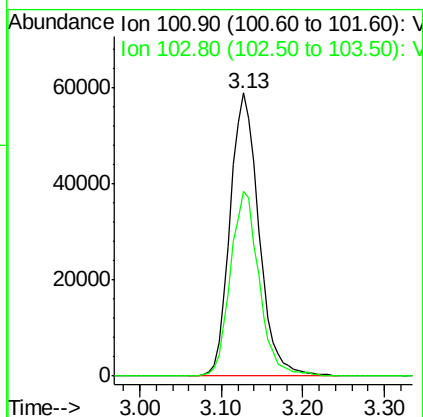
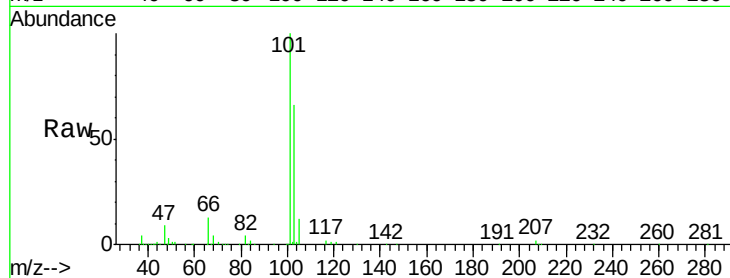
Trichlorofluoromethane
Concen: 20.396 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003001.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.6	77.4

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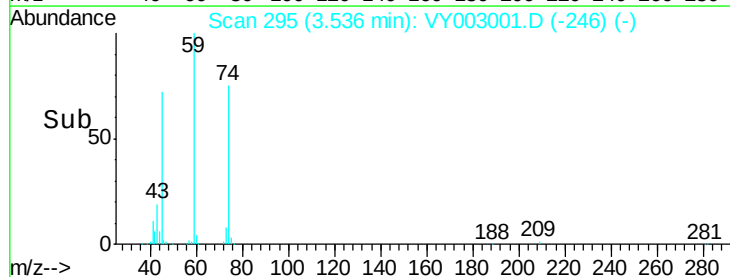
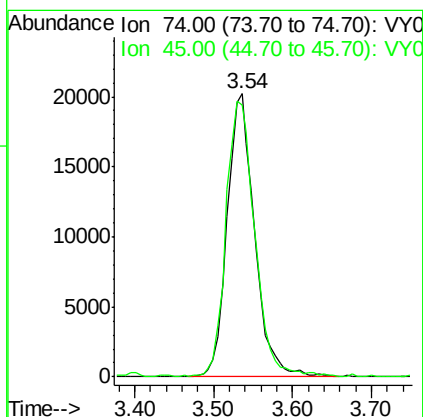
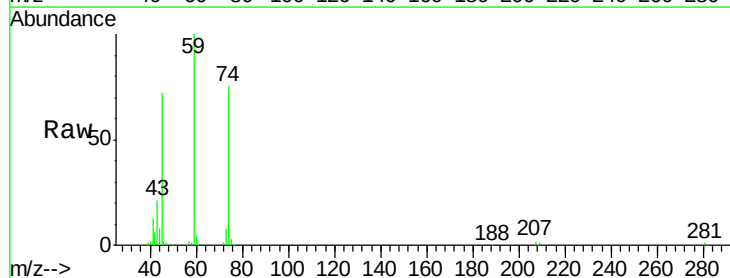
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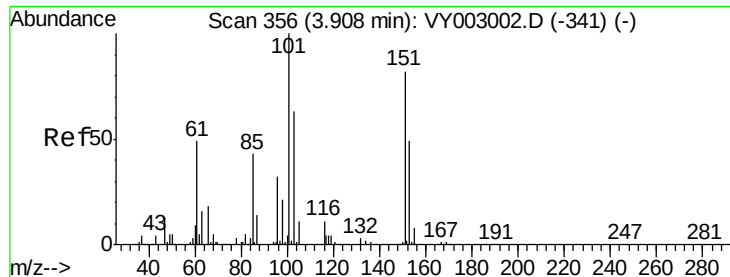


#8

Diethyl Ether
Concen: 20.288 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.646 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003001.D

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Instrument :

MSVOA_Y

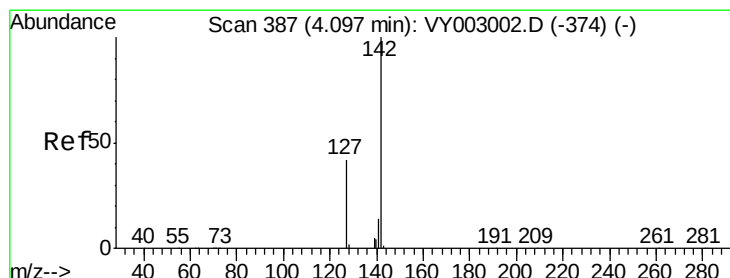
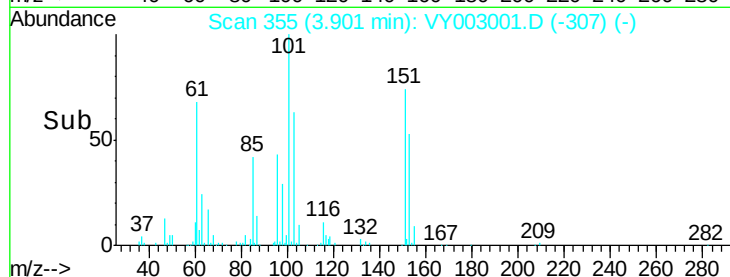
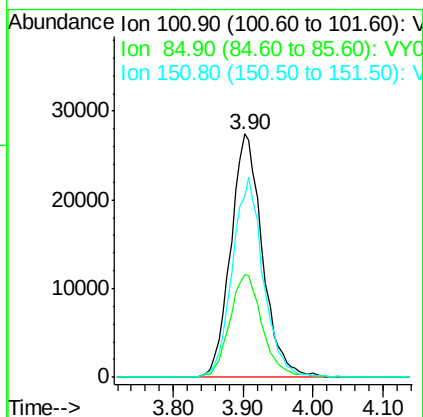
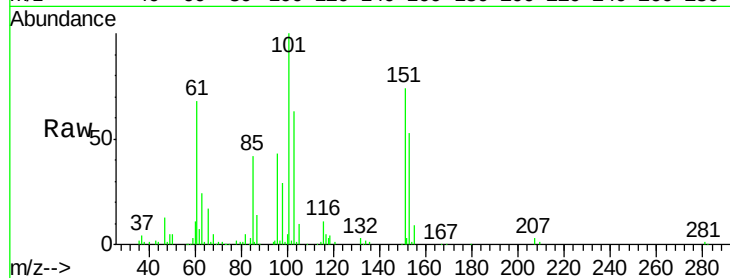
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	86456
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	80.2	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.290 ug/l

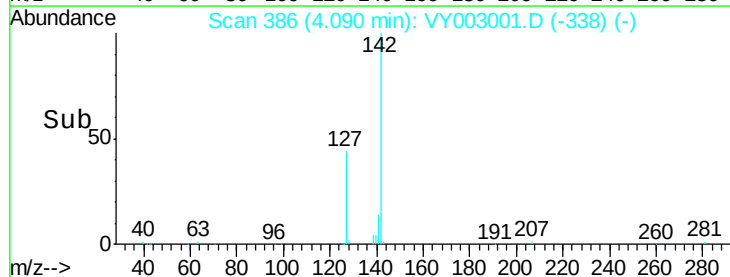
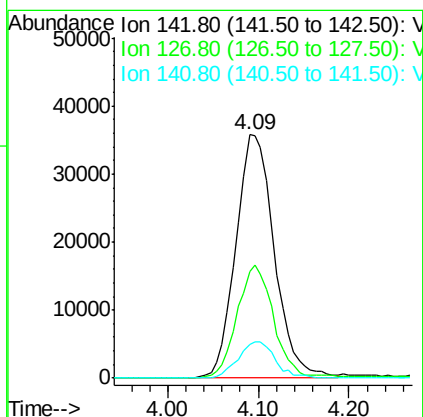
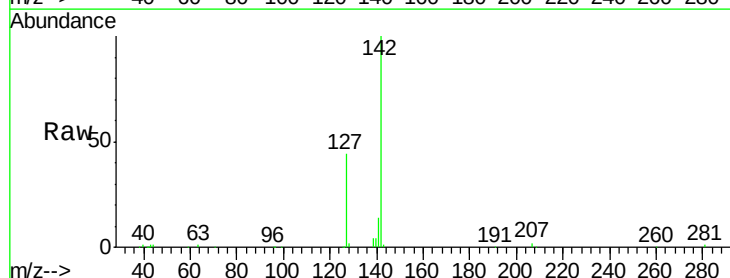
RT: 4.09 min Scan# 386

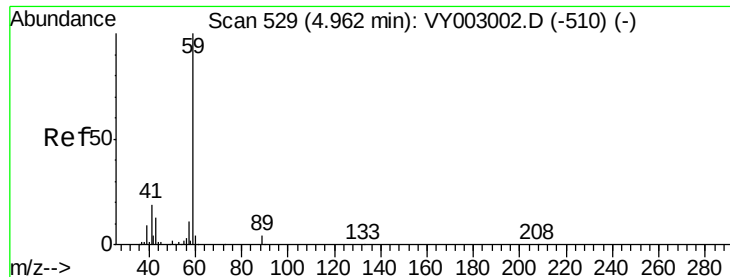
Delta R.T. -0.01 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	142	Resp:	105353
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.2	51.2
141	14.6	11.7	17.5





#11

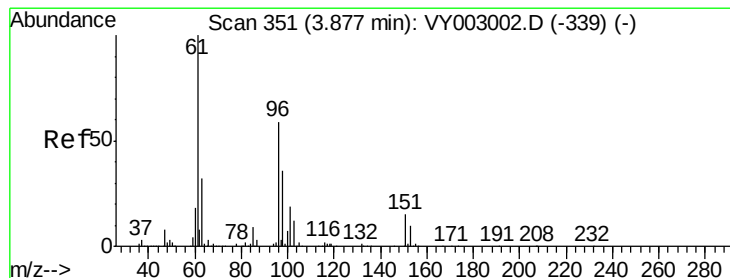
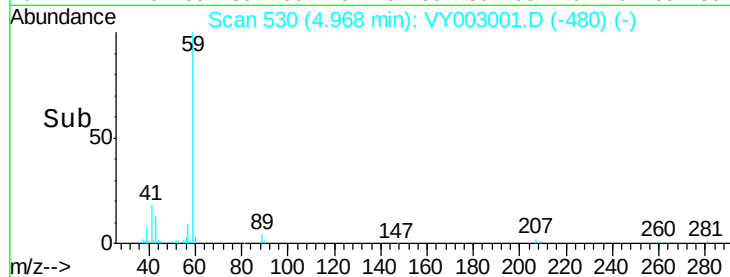
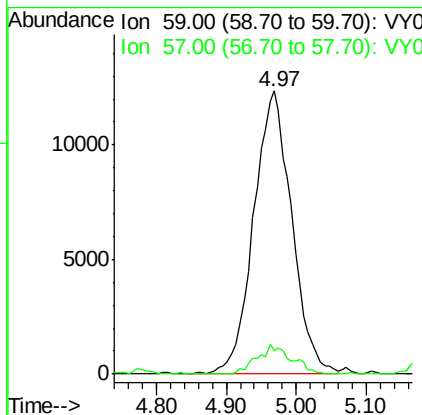
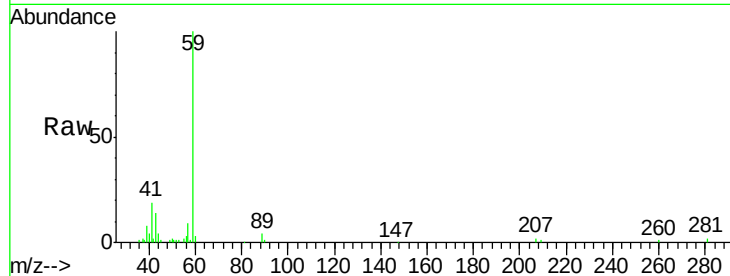
Tert butyl alcohol
 Concen: 100.632 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.0	12.0

Manual Integrations
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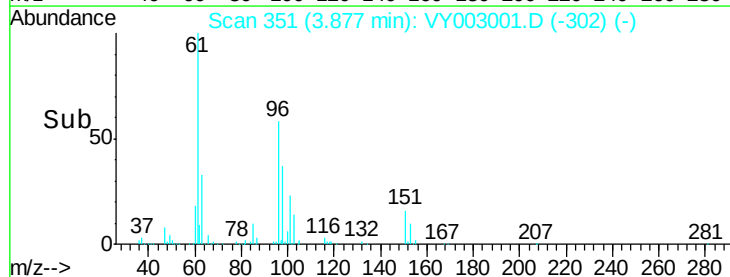
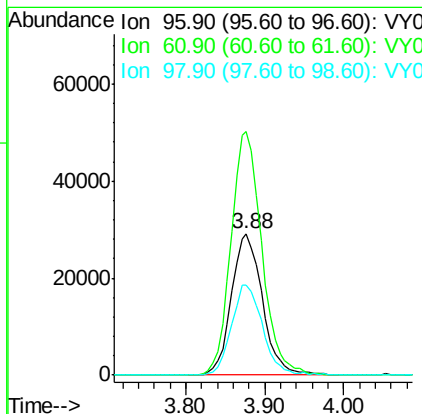
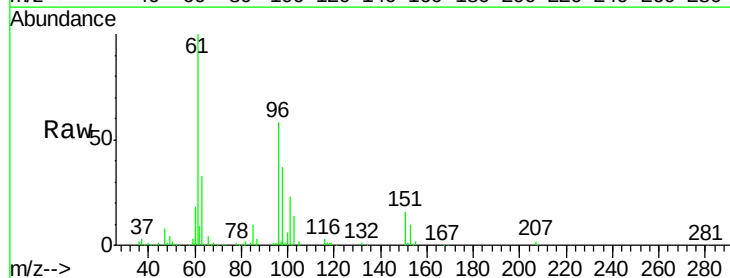
MMDadoda
 6/30/2020 12:54:05 PM

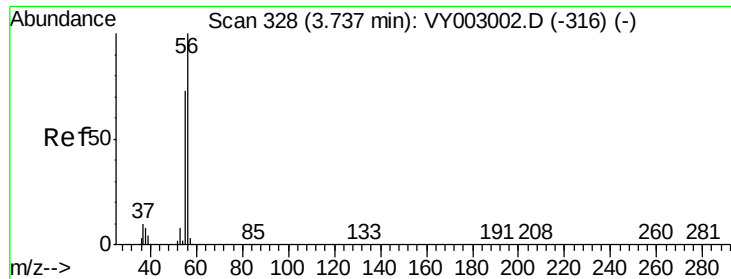


#12

1,1-Dichloroethene
 Concen: 20.123 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	136.7	205.1
98	63.6	49.7	74.5





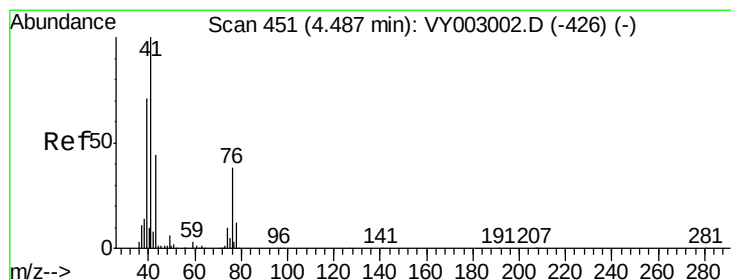
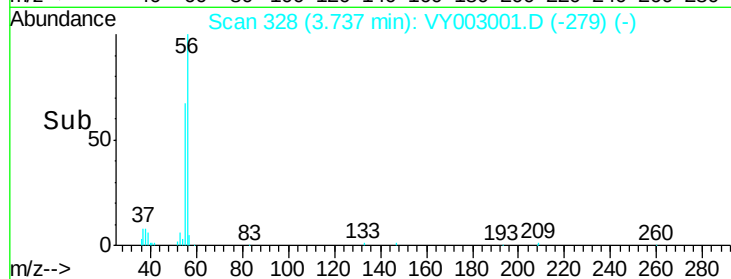
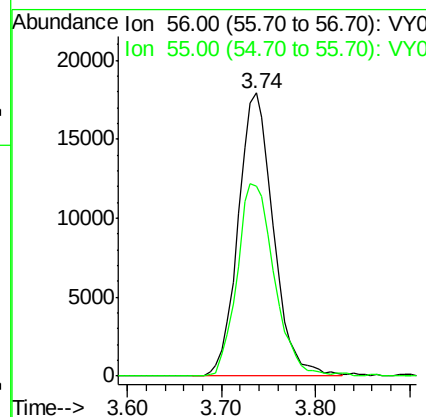
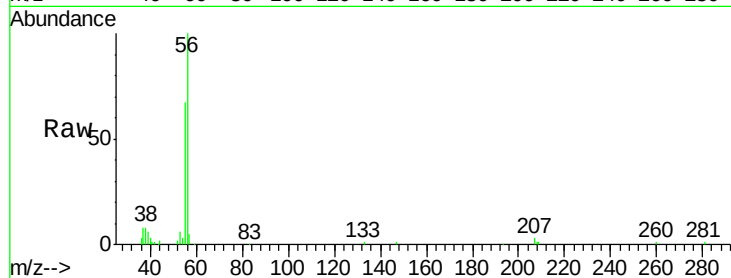
#13
Acrolein
Concen: 111.118 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.4	56.4	84.6

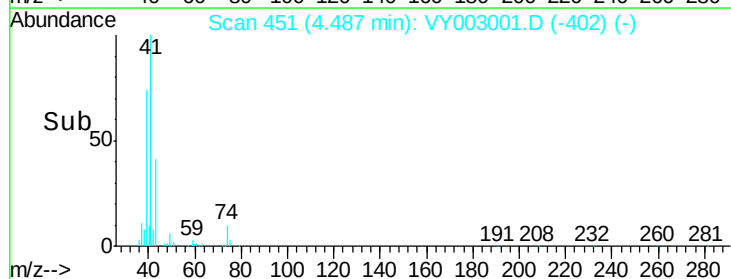
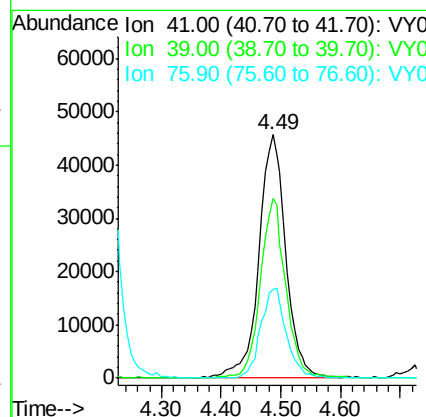
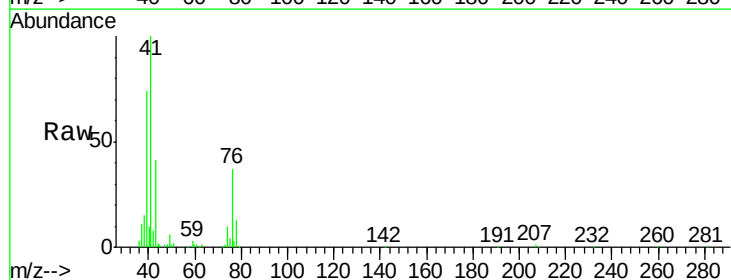
Manual Integrations
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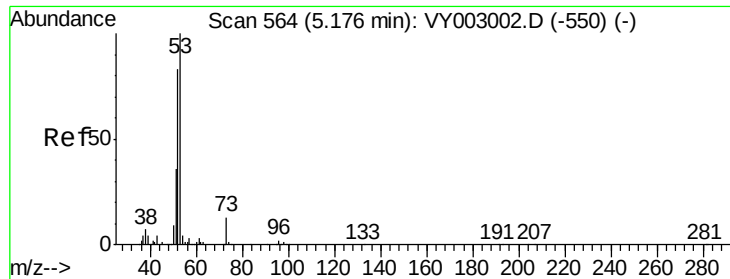
MMDadoda
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#14
Allyl chloride
Concen: 20.691 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	69.1	55.6	83.4
76	76	34.9	28.6	43.0





#15

Acrylonitrile

Concen: 100.596 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

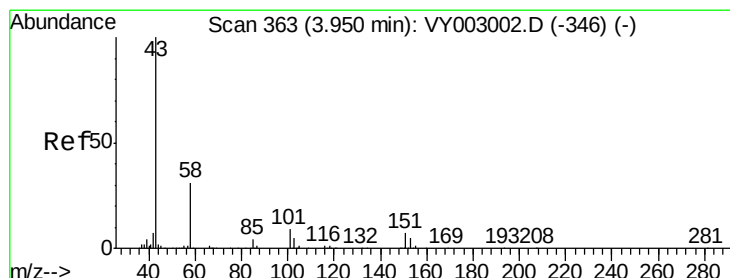
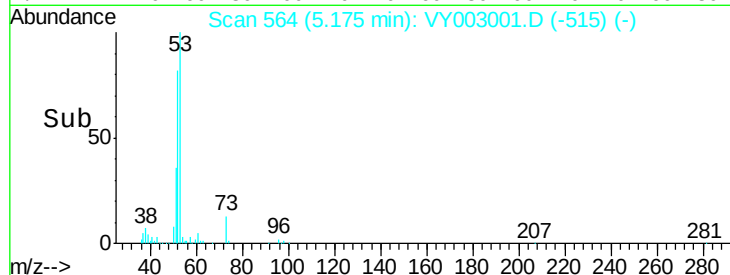
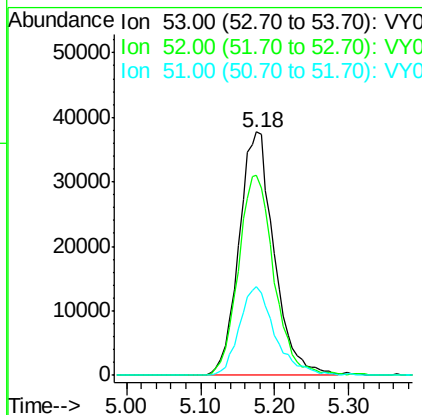
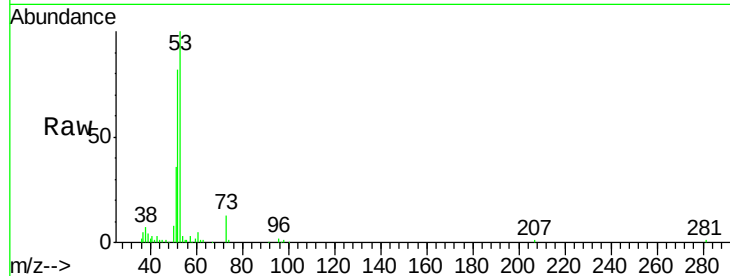
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	124648
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 97.648 ug/l

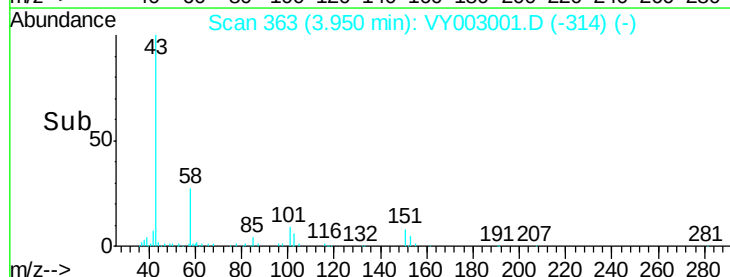
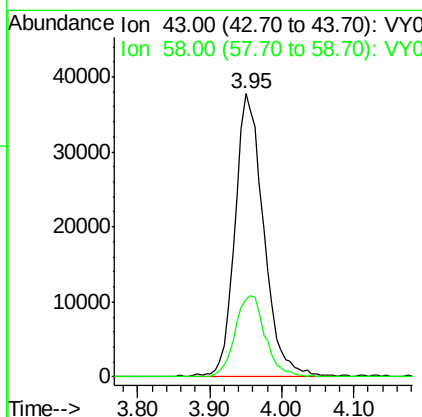
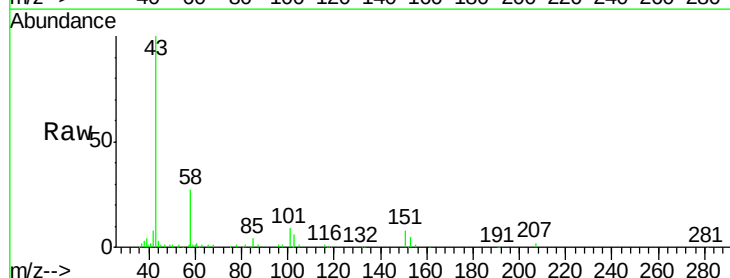
RT: 3.95 min Scan# 363

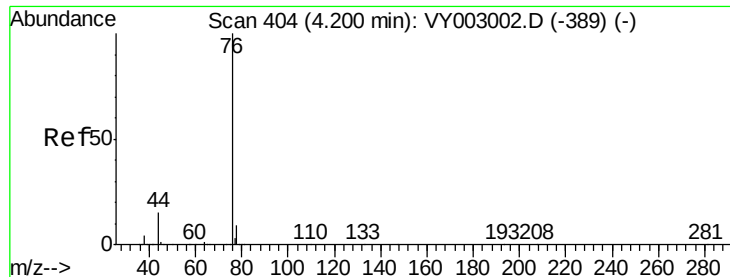
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	43	Resp:	105063
Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.7	37.1





#17

Carbon Disulfide

Concen: 20.509 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 261081

Ion Ratio Lower Upper

76 100

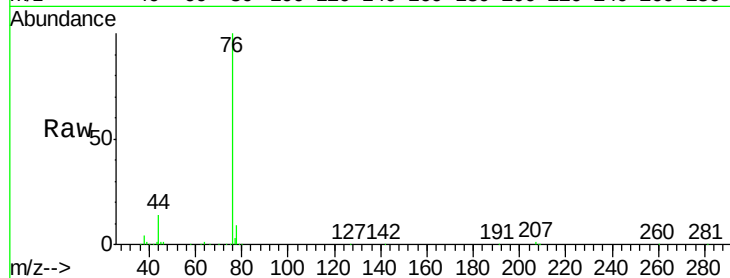
78 8.7 7.0 10.6

Manual Integrations

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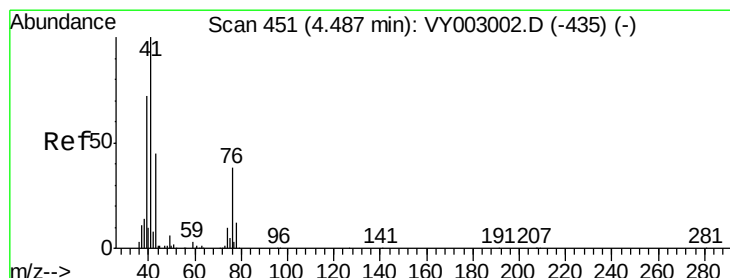
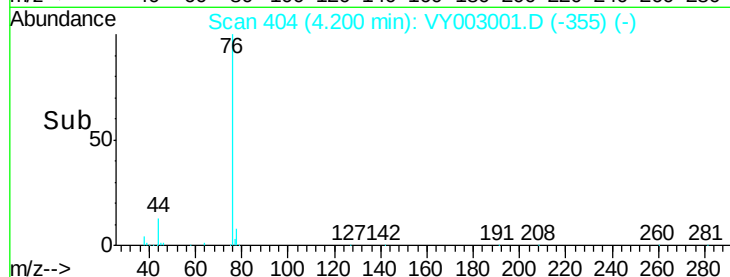
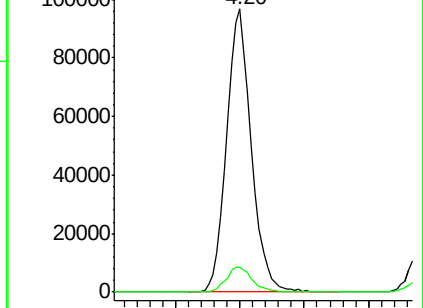
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.783 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003001.D

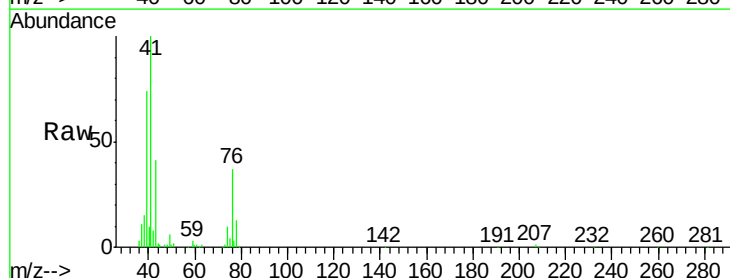
Acq: 29 Jun 2020 11:54

Tgt Ion: 43 Resp: 57346

Ion Ratio Lower Upper

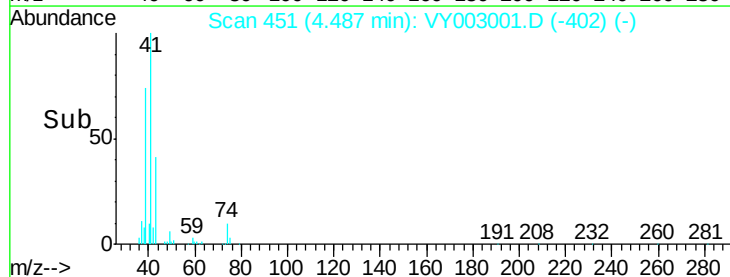
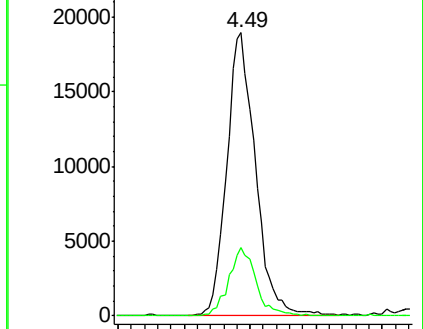
43 100

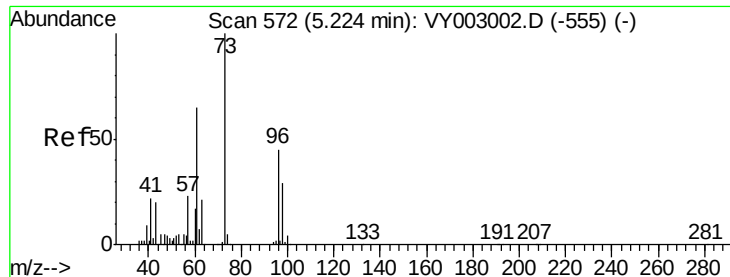
74 22.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





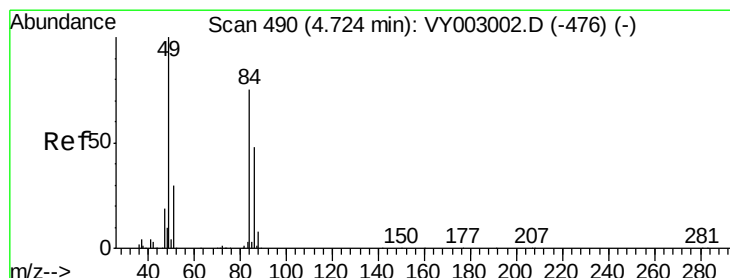
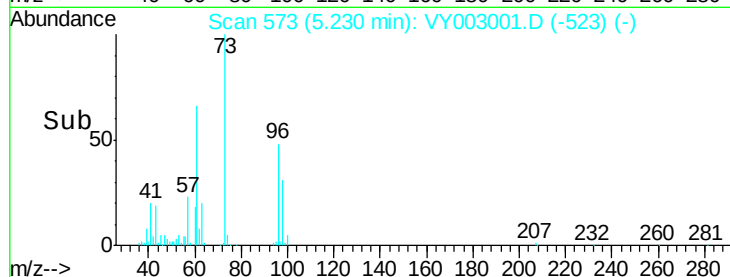
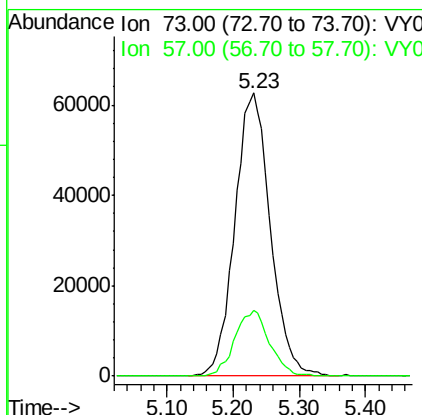
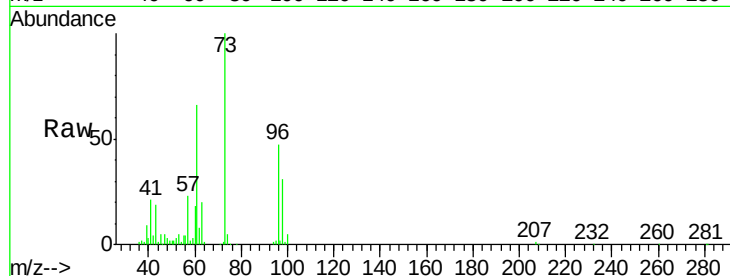
#19
Methyl tert-butyl Ether
Concen: 20.076 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.2	27.2

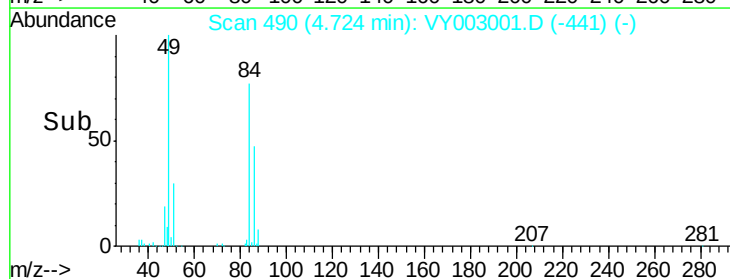
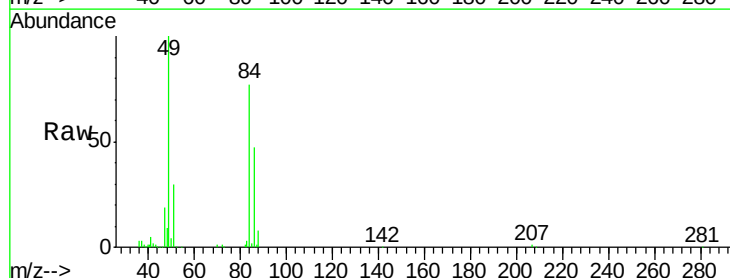
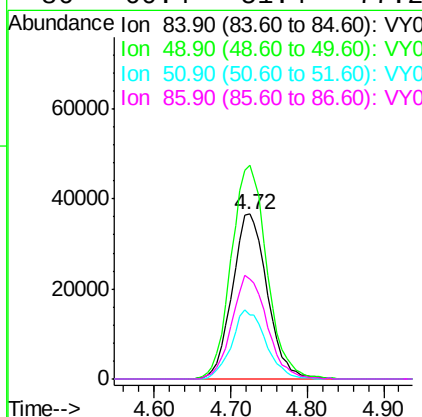
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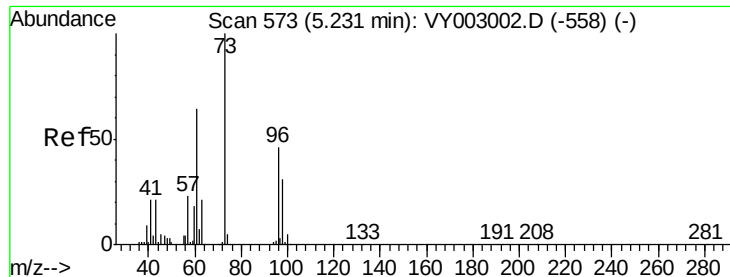
MMDadoda
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#20
Methylene Chloride
Concen: 19.350 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.4	106.8	160.2
51	39.1	32.0	48.0
86	60.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 20.360 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 91756

Ion Ratio Lower Upper

96 100

61 139.2 112.3 168.5

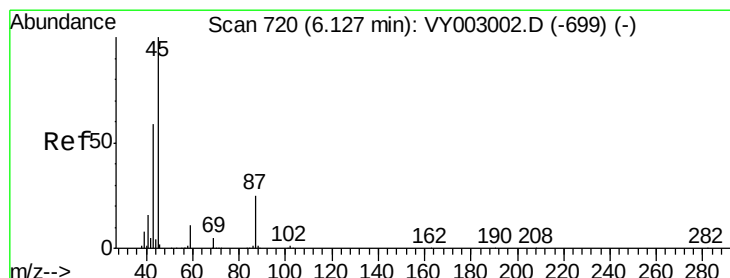
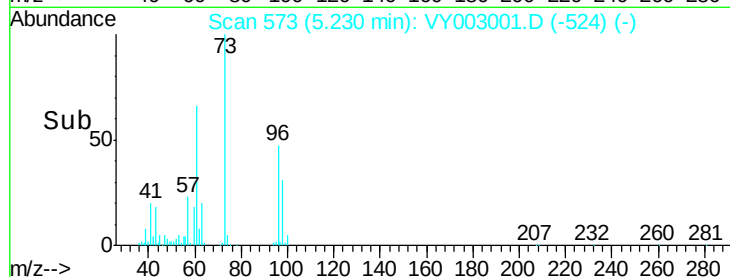
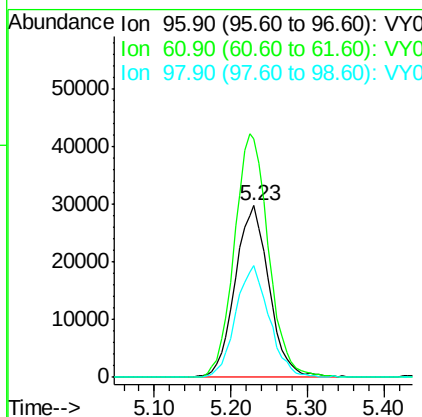
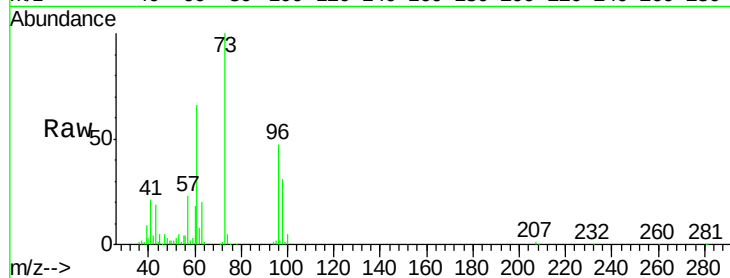
98 65.3 53.8 80.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.457 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion: 45 Resp: 305004

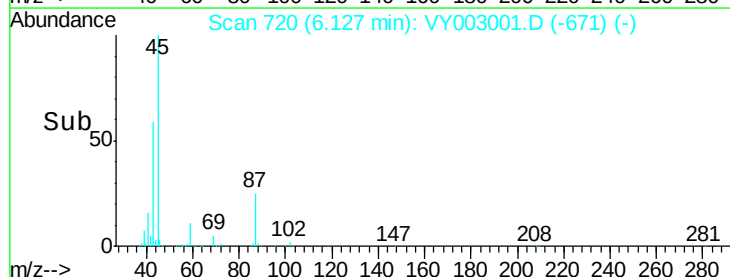
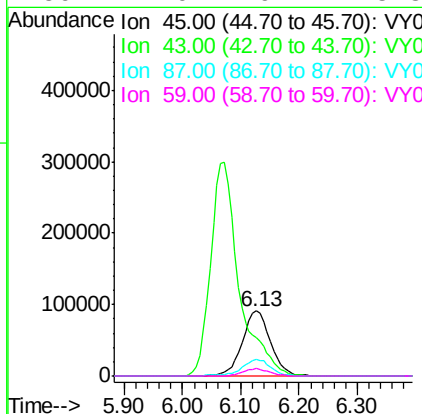
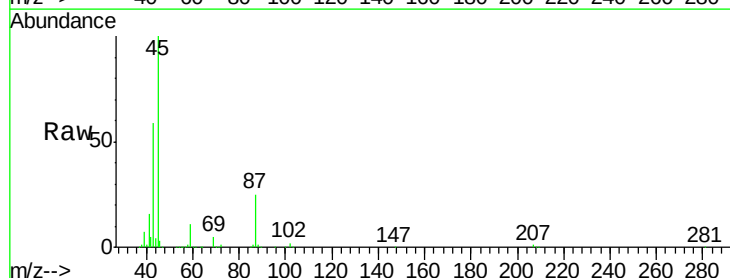
Ion Ratio Lower Upper

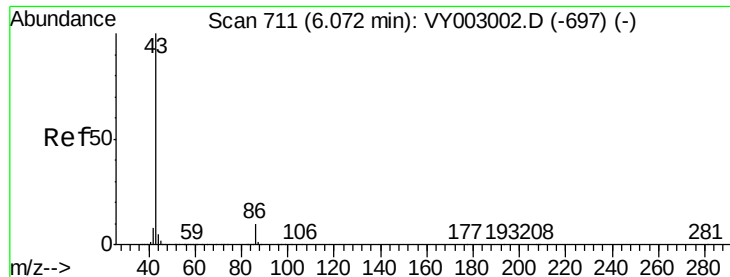
45 100

43 58.3 47.4 71.2

87 24.9 20.2 30.2

59 11.0 9.2 13.8





#23

Vinyl Acetate

Concen: 101.806 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1014816

Ion Ratio Lower Upper

43 100

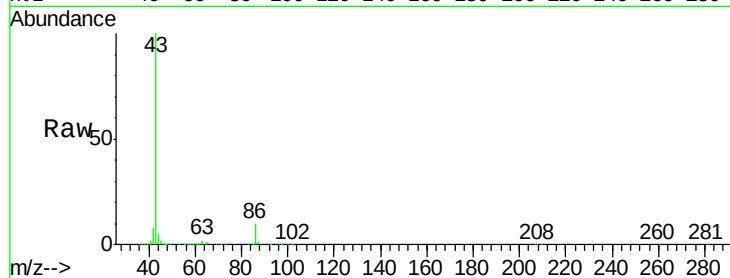
86 9.7 8.1 12.1

Manual Integrations

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6/30/2020 12:54:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

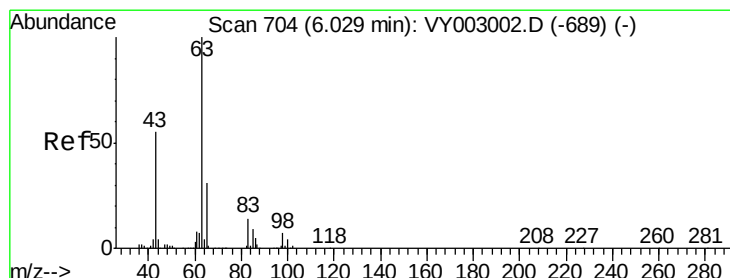
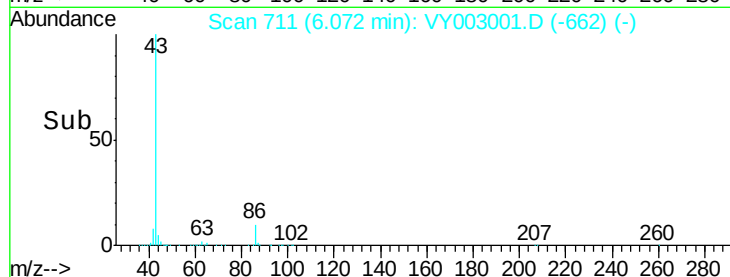
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.588 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

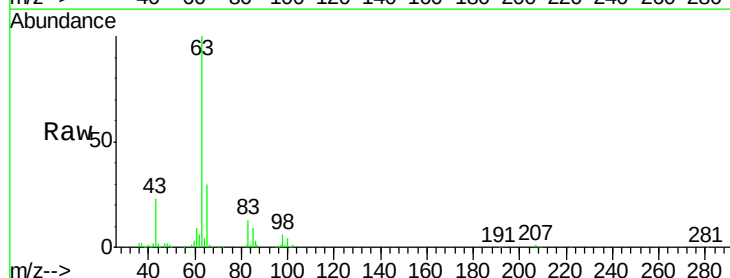
Tgt Ion: 63 Resp: 167679

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.0 2.3 6.8



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

6.02

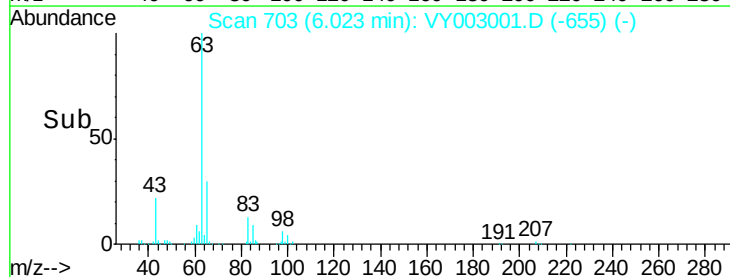
60000

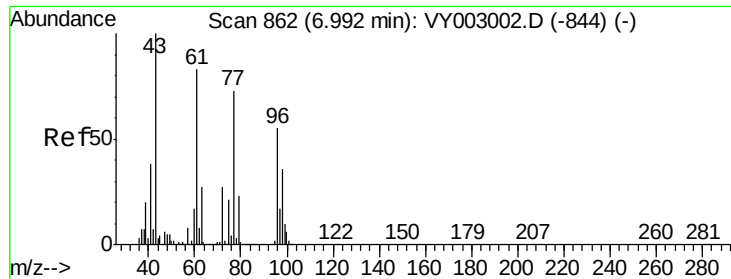
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.049 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 170997

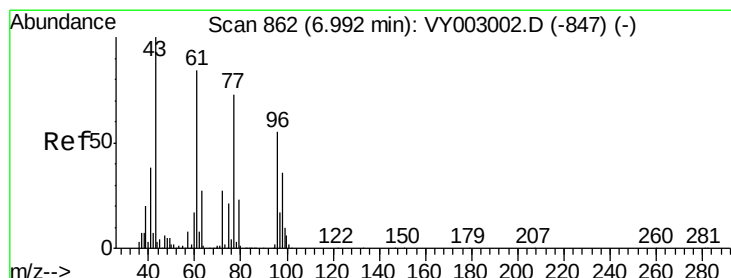
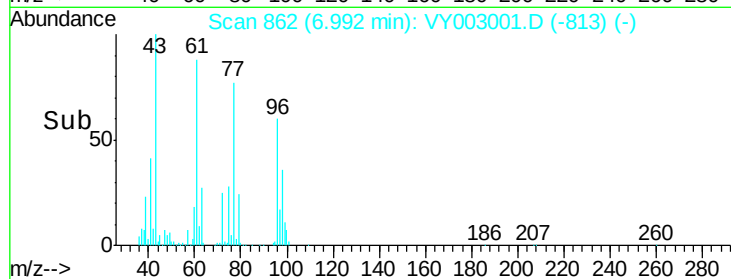
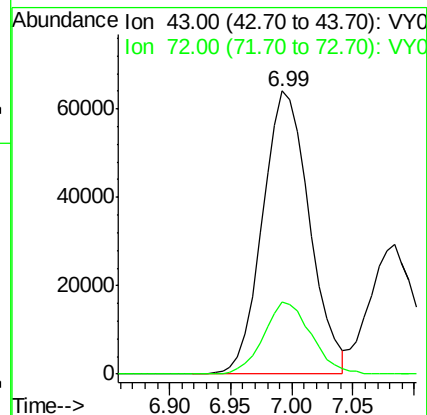
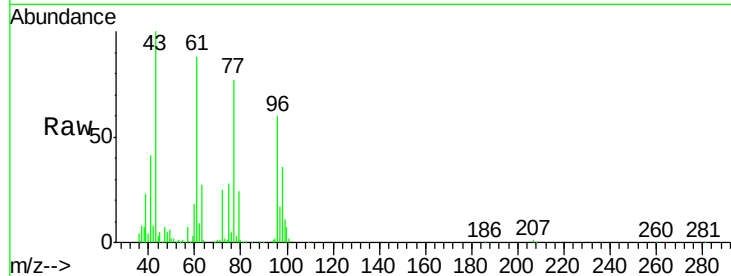
Ion Ratio Lower Upper

43 100

72 25.3 21.4 32.0

Manual Integrations
APPROVED

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6/30/2020 12:54:05 PM



#26

2,2-Dichloropropane

Concen: 20.335 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003001.D

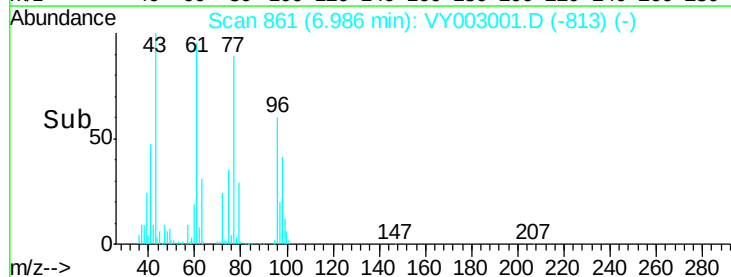
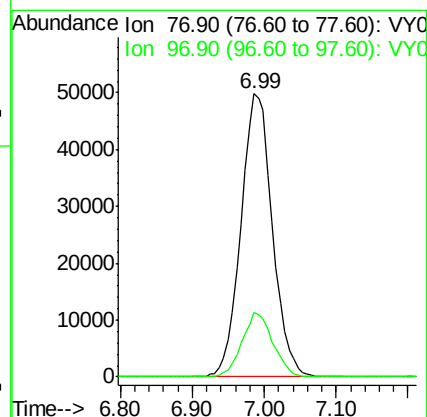
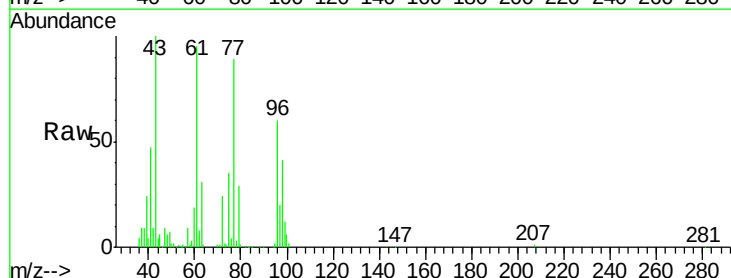
Acq: 29 Jun 2020 11:54

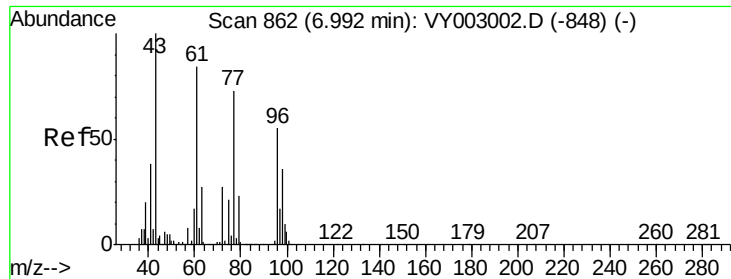
Tgt Ion: 77 Resp: 150474

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9





#27

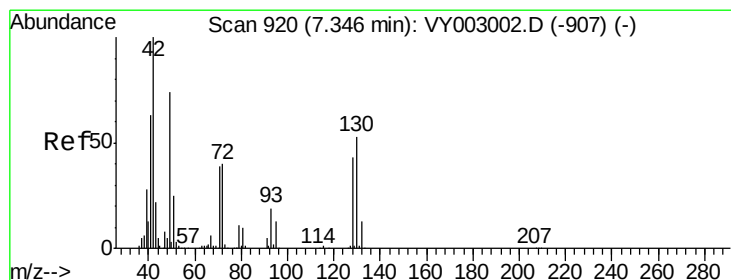
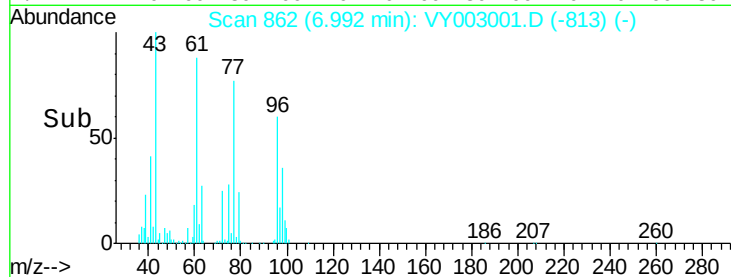
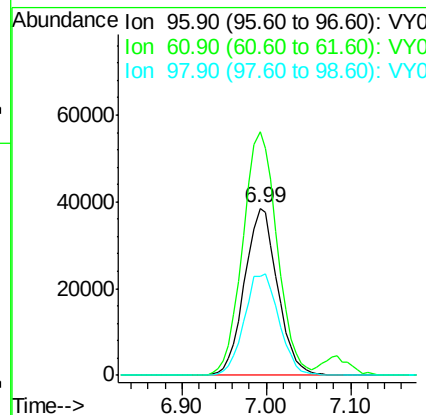
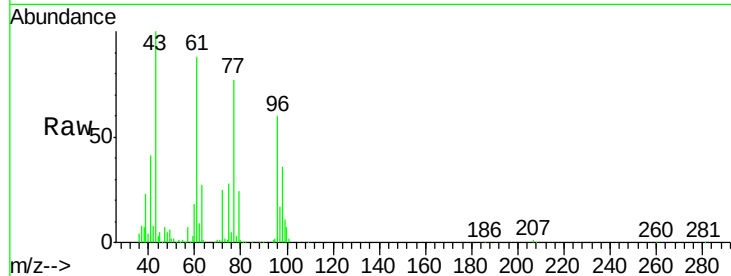
cis-1,2-Dichloroethene
Concen: 20.214 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	301.2
98	64.0	0.0	129.0

Manual Integrations
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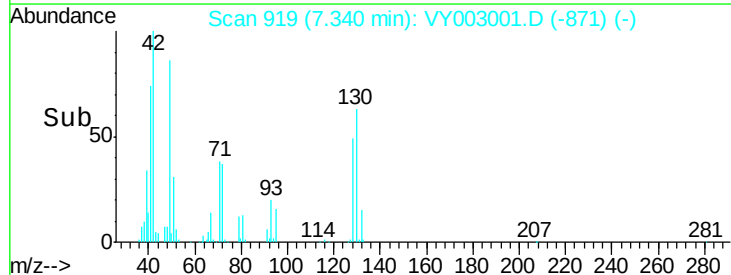
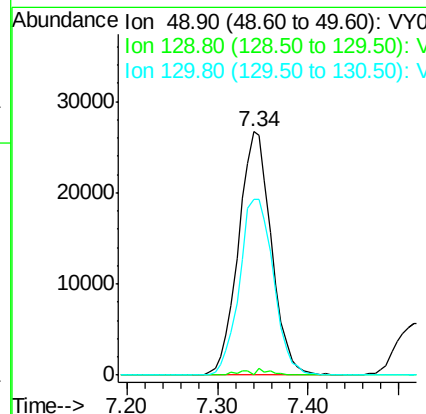
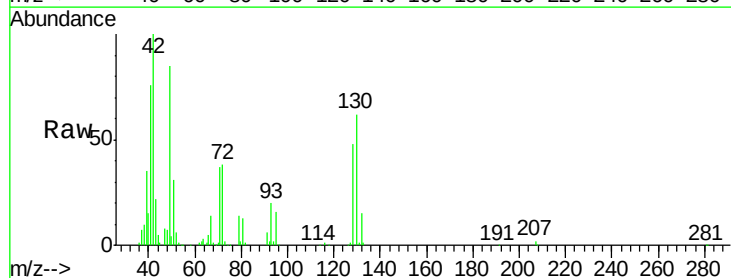
MMDadoda
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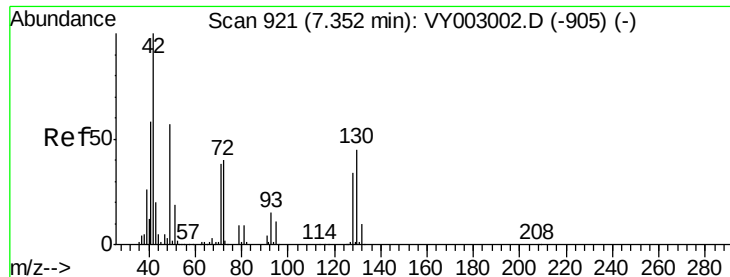


#28

Bromochloromethane
Concen: 18.523 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.4
130	74.8	57.0	85.6





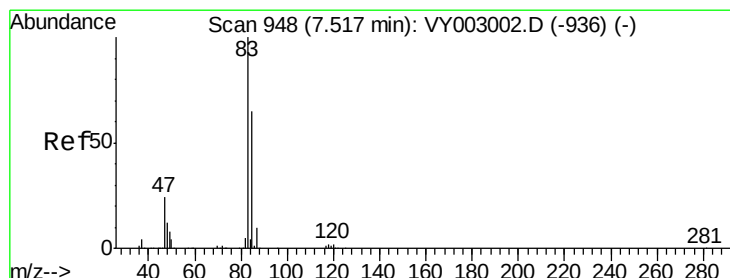
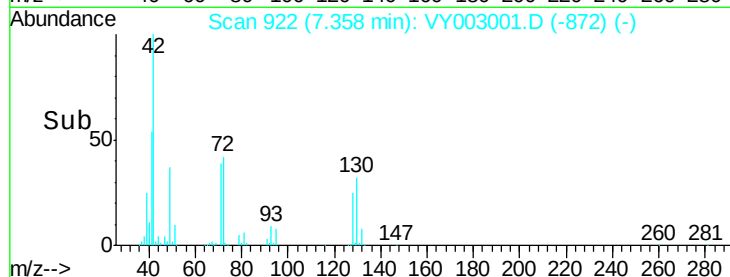
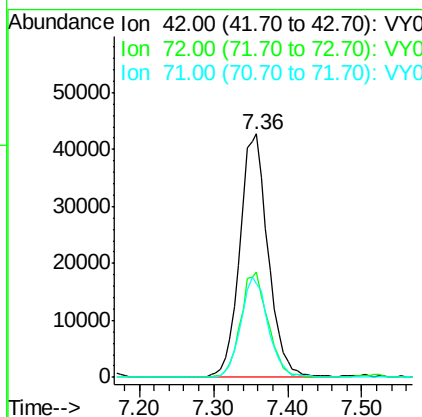
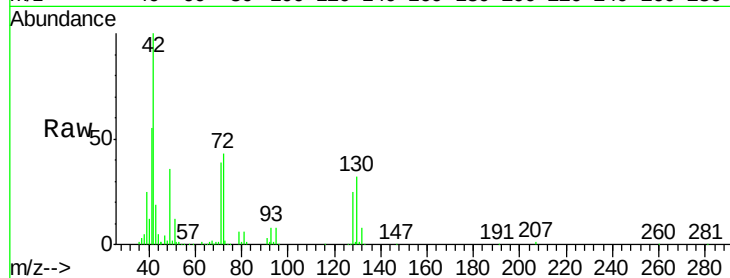
#29
Tetrahydrofuran
Concen: 100.566 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	114301
Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.9	49.3
71	39.8	31.2	46.8

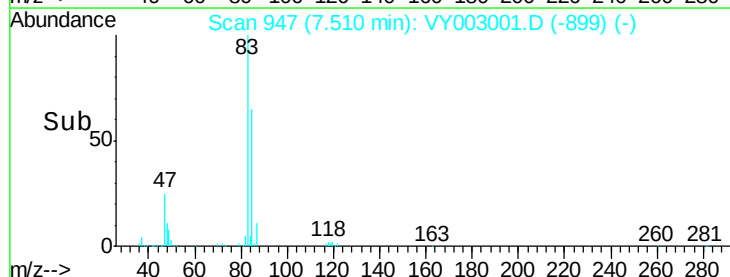
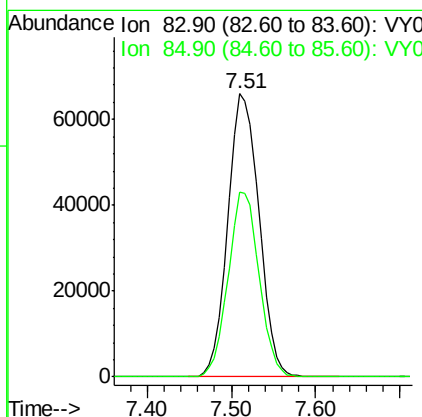
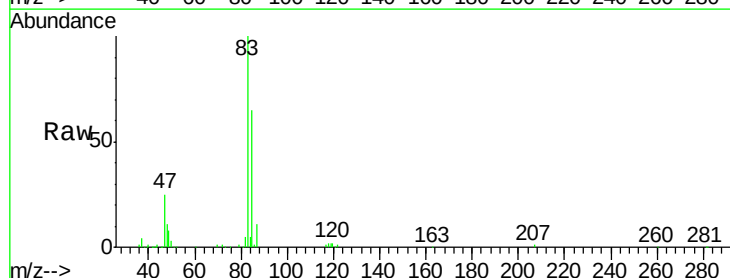
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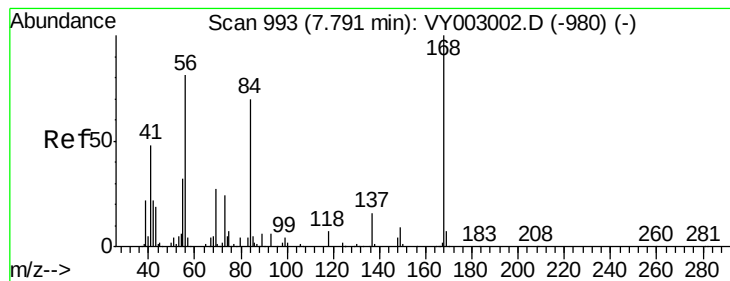
MMDadoda
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#30
Chloroform
Concen: 20.541 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion:	83	Resp:	165740
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5





#31

Cyclohexane

Concen: 20.422 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

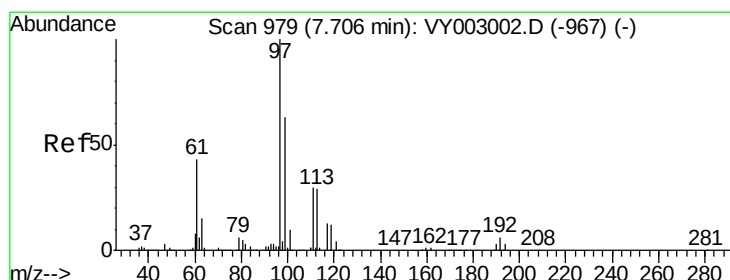
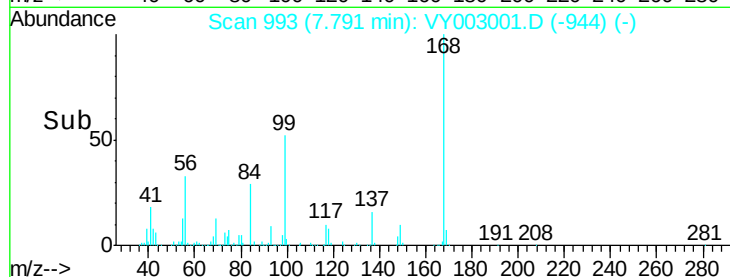
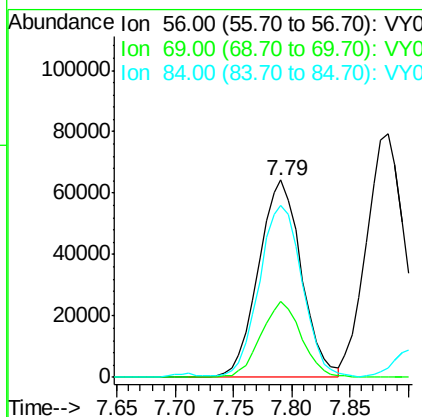
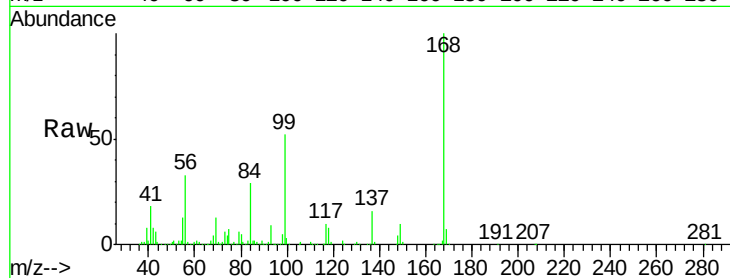
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	163853
Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.0	40.4
84	85.3	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.429 ug/l

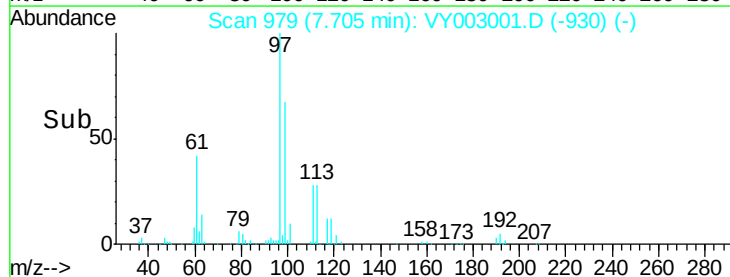
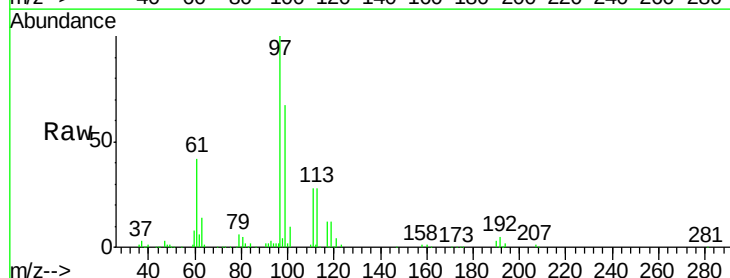
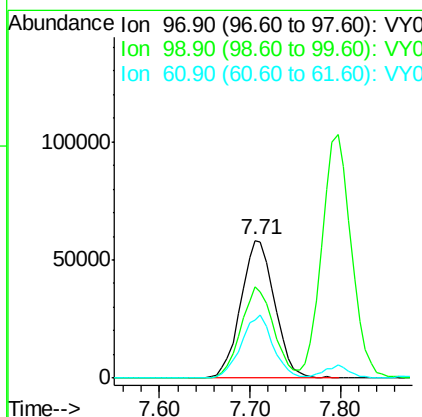
RT: 7.71 min Scan# 979

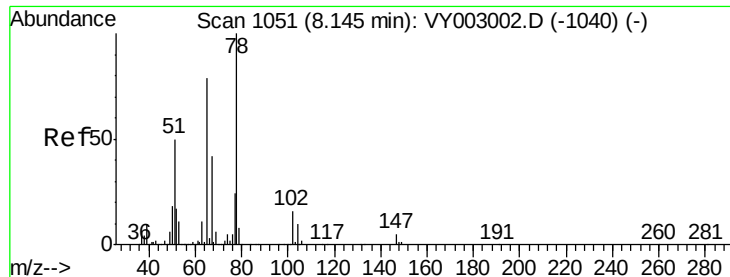
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	97	Resp:	150457
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	42.9	33.9	50.9





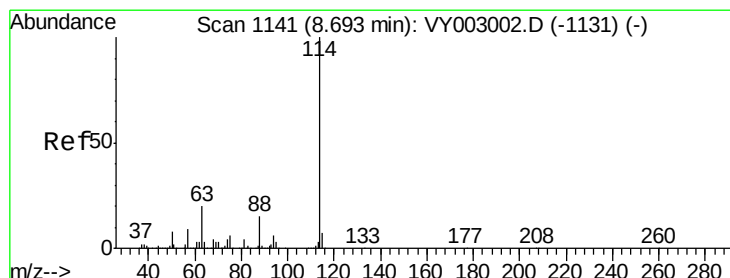
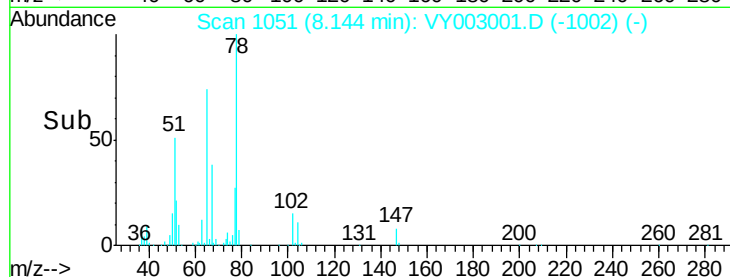
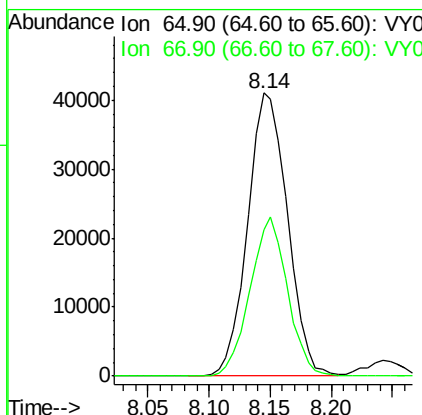
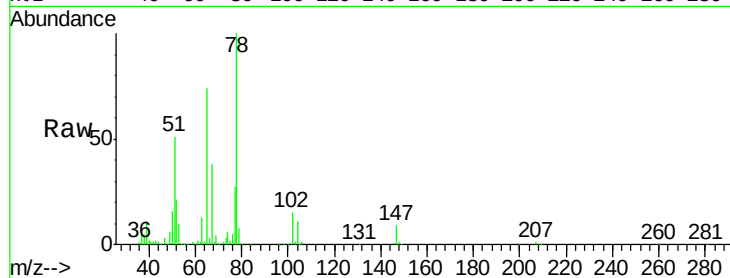
#33
 1,2-Dichloroethane-d4
 Concen: 20.340 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

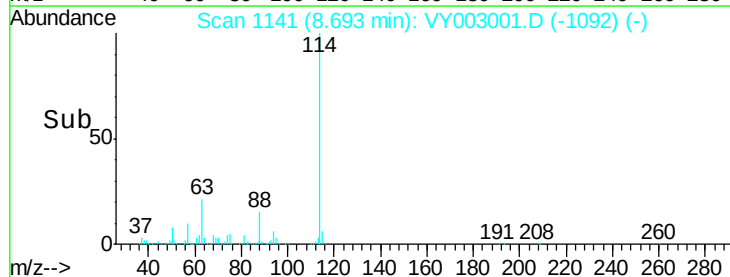
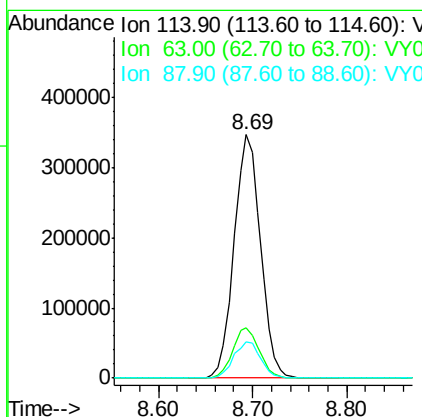
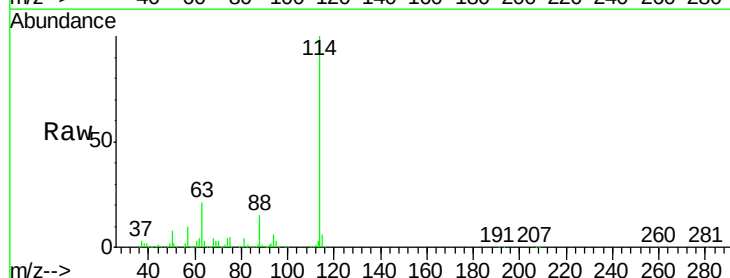
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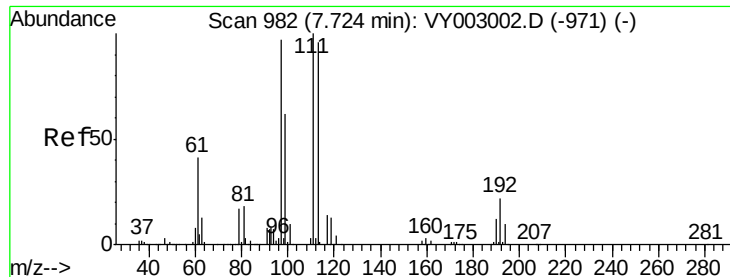
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.6
88	15.0	0.0	30.0





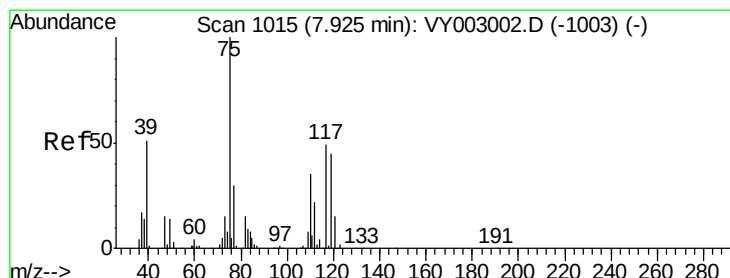
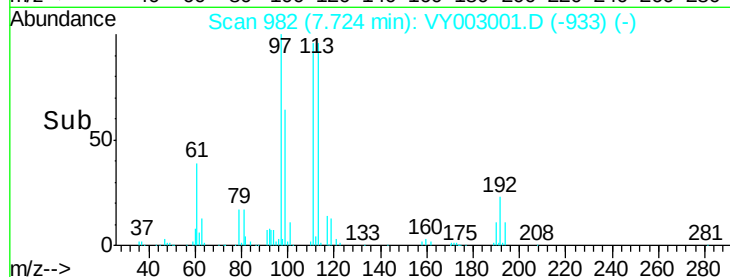
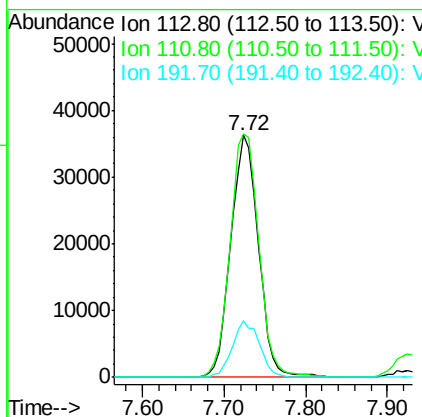
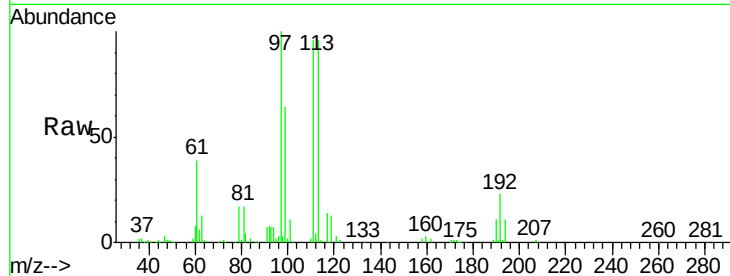
#35
Dibromofluoromethane
Concen: 20.126 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.6	123.8
192	22.9	18.1	27.1

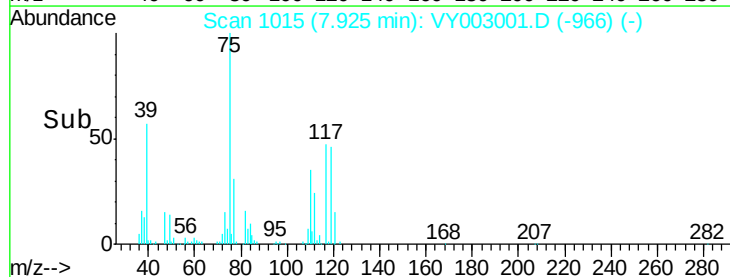
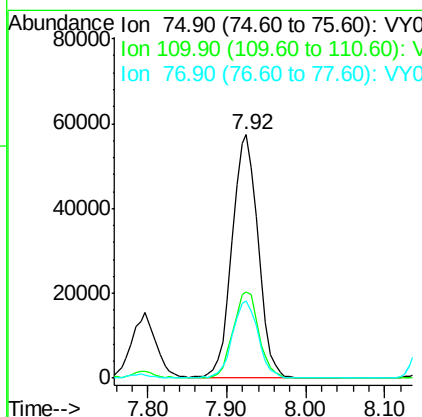
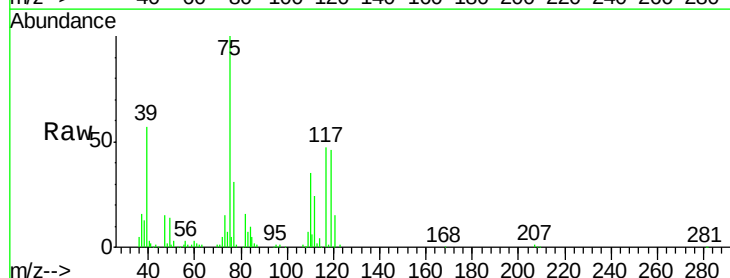
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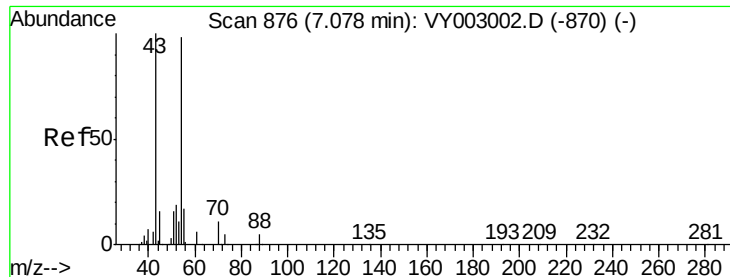
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#36
1,1-Dichloropropene
Concen: 20.306 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.1	51.2
77	31.4	24.9	37.3





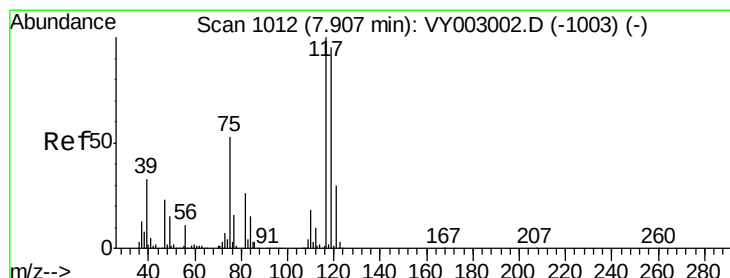
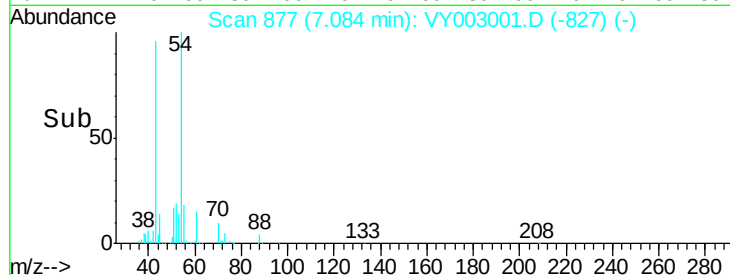
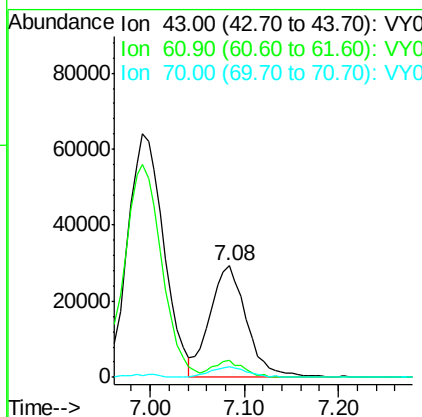
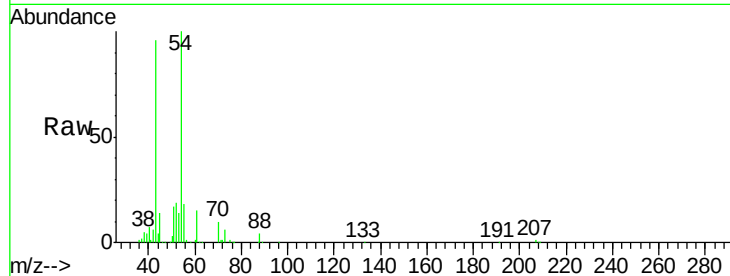
#37
Ethyl Acetate
Concen: 20.111 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.4	7.7	11.5

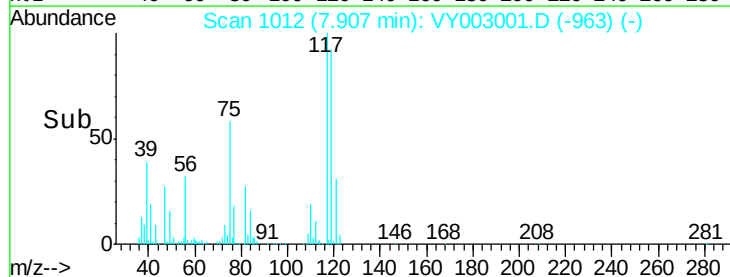
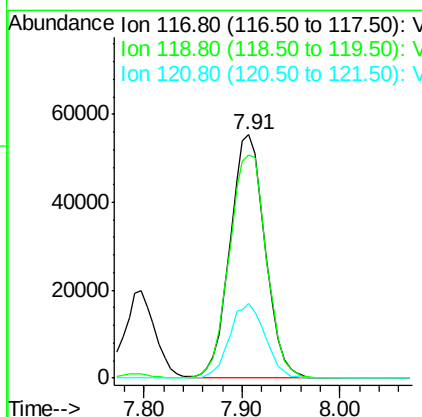
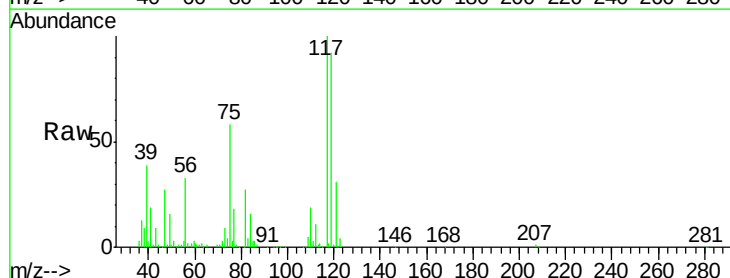
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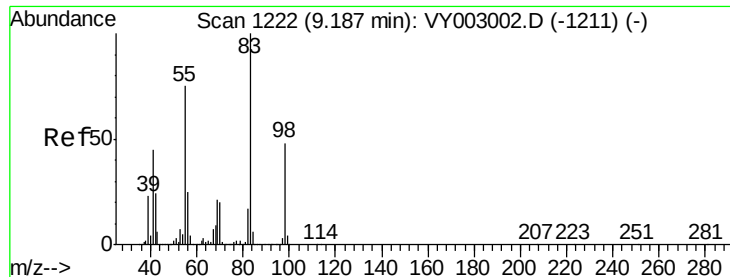
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#38
Carbon Tetrachloride
Concen: 20.352 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.7	113.5
121	30.7	23.9	35.9





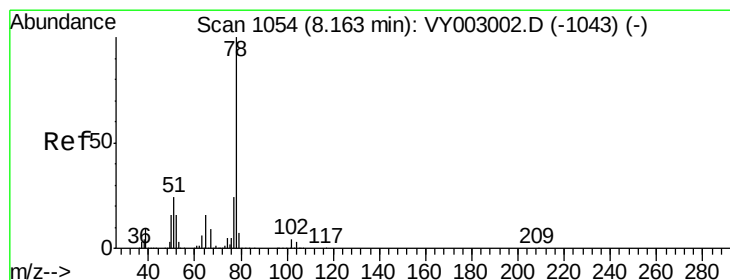
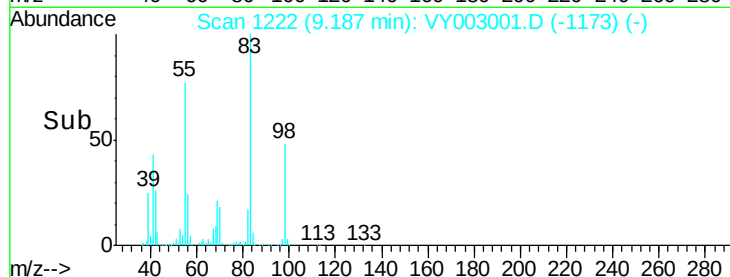
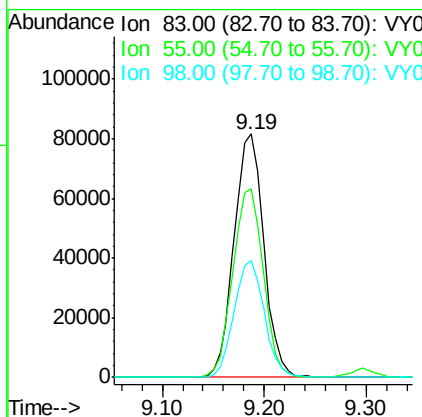
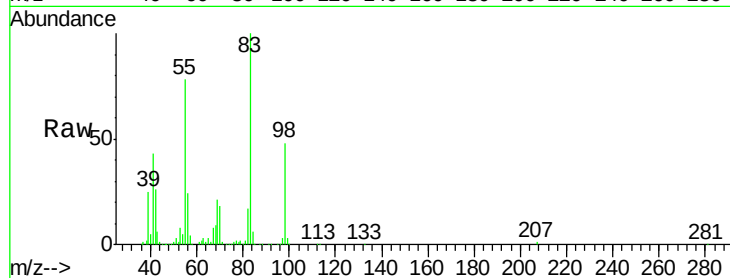
#39
Methylvlcyclohexane
Concen: 20.511 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	59.9	89.9
98	48.0	38.7	58.1

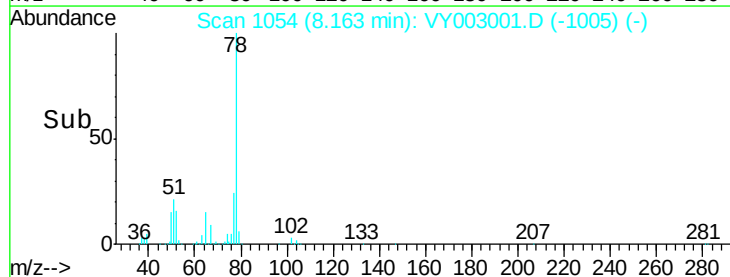
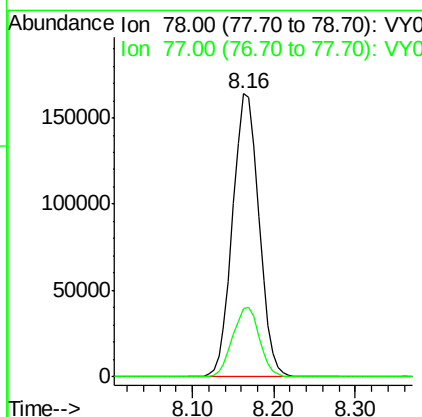
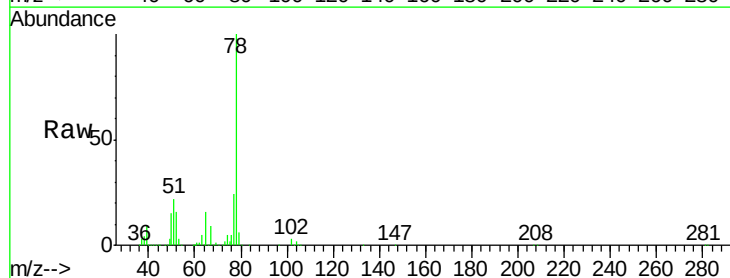
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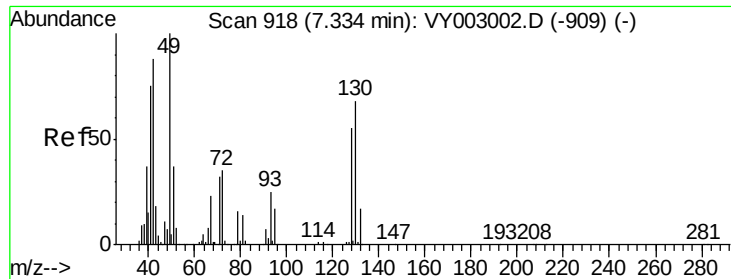
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#40
Benzene
Concen: 20.551 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





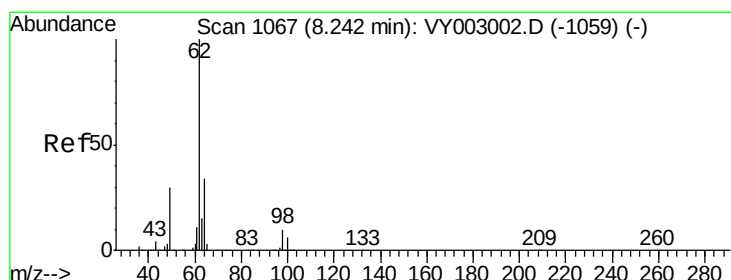
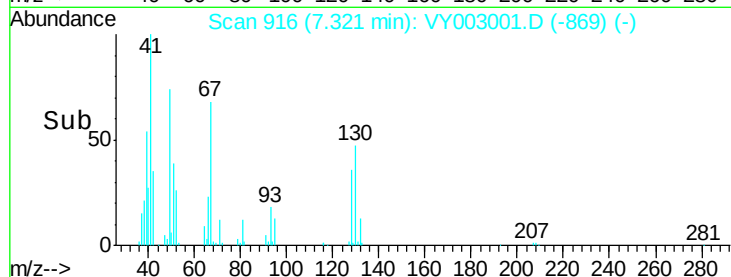
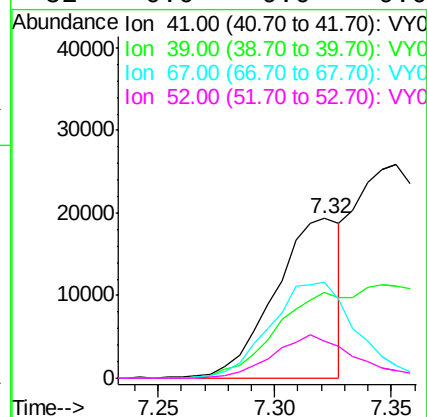
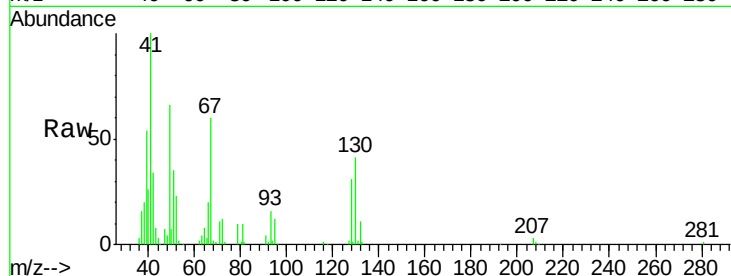
#41
Methacrylonitrile
Concen: 8.000 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

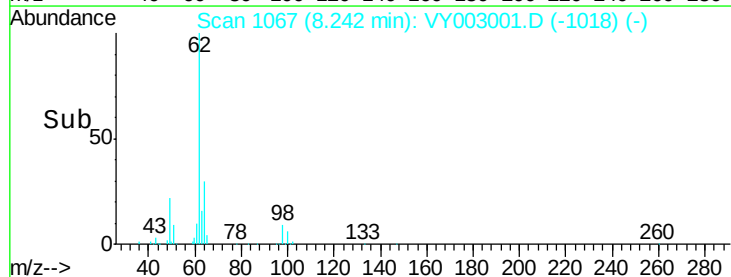
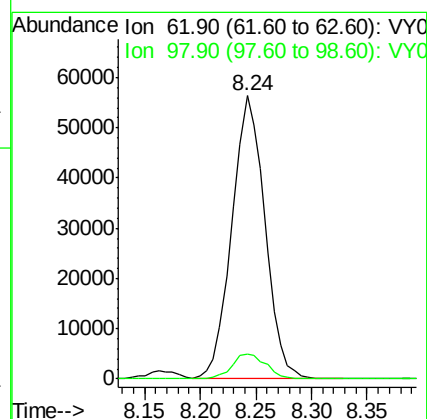
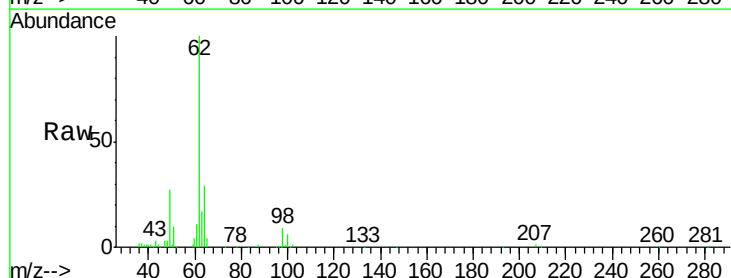
Manual Integrations
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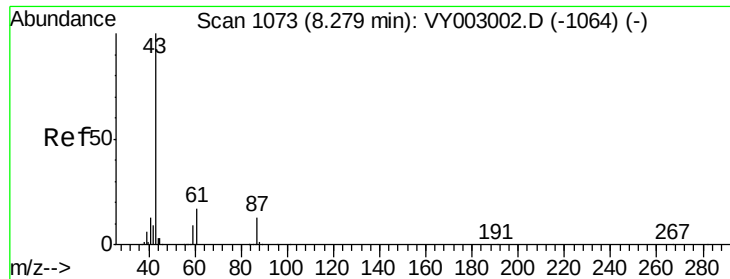
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#42
1,2-Dichloroethane
Concen: 20.644 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.2





#43

Isopropyl Acetate

Concen: 19.707 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

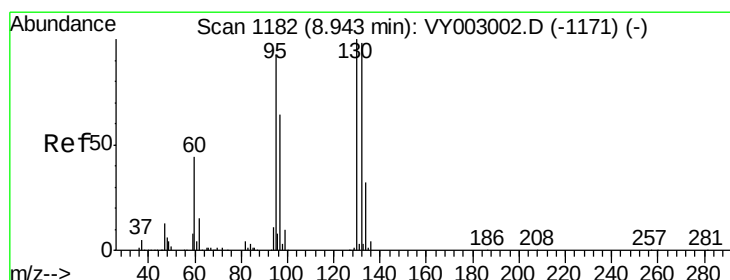
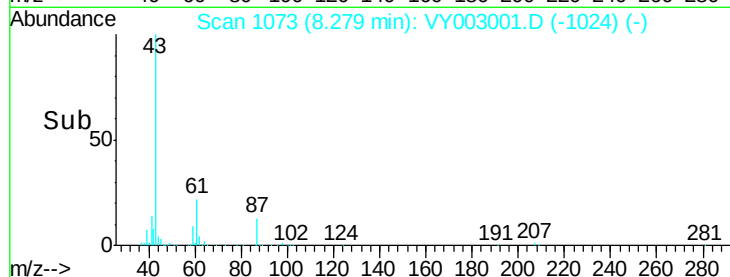
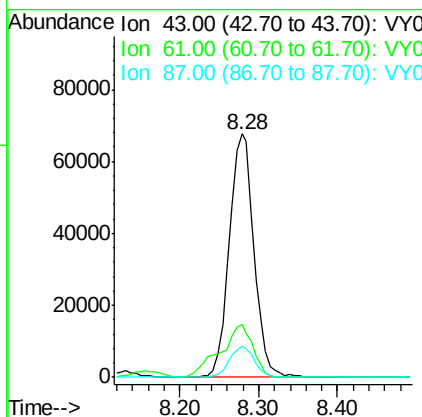
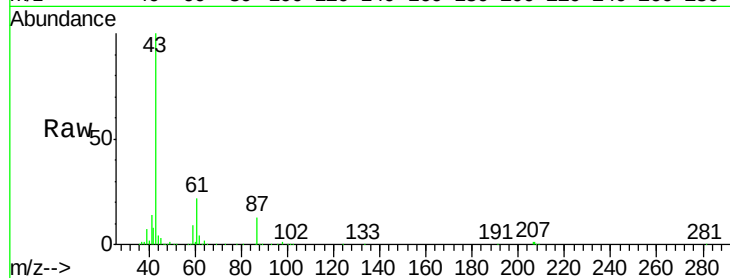
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	146354
Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.8	32.6
87	12.9	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.196 ug/l

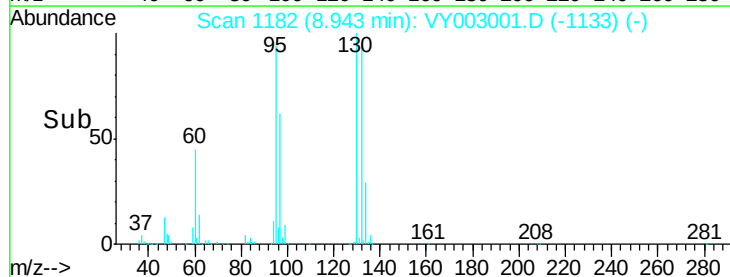
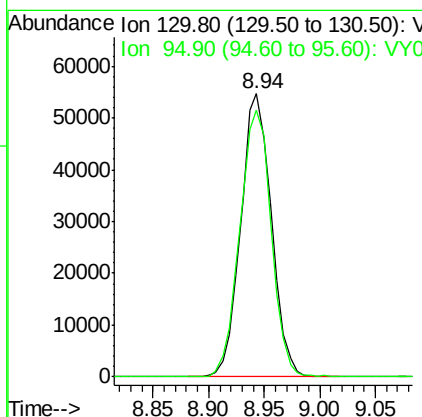
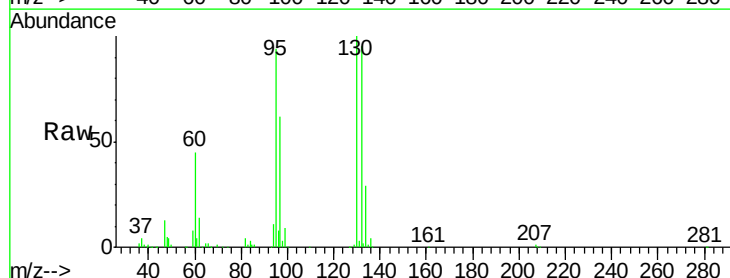
RT: 8.94 min Scan# 1182

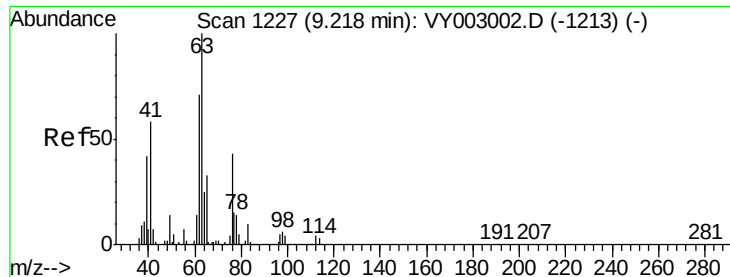
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	130	Resp:	104415
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	186.4





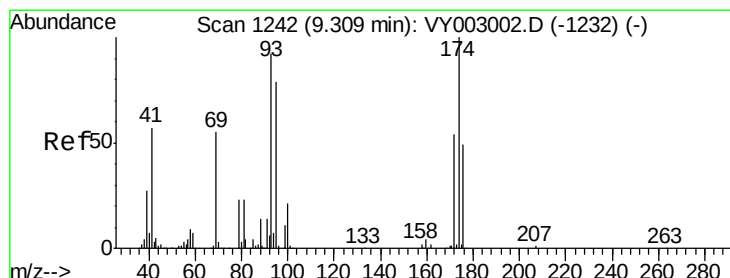
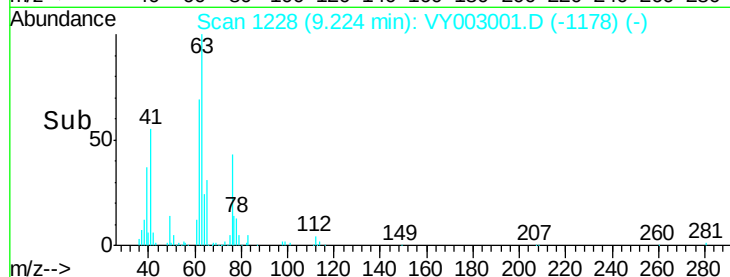
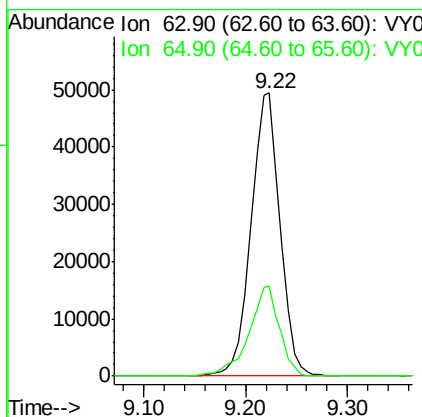
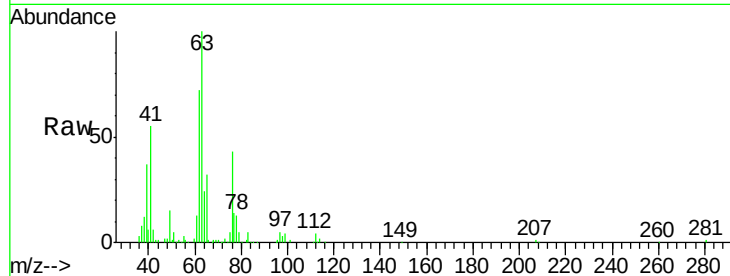
#45
 1,2-Dichloropropane
 Concen: 20.478 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	26.2	39.4

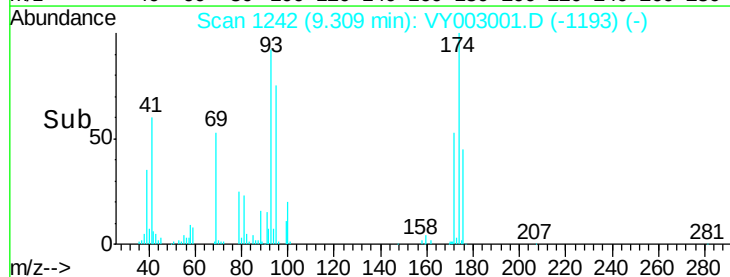
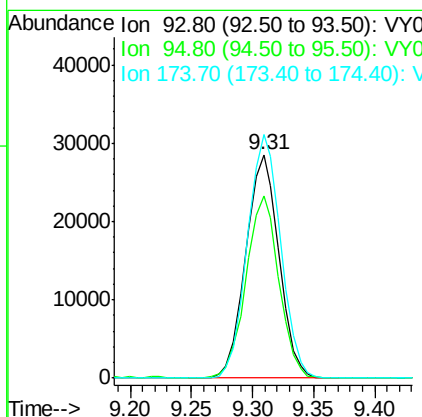
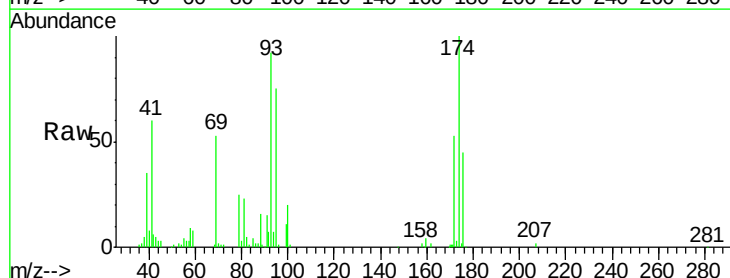
Manual Integrations
 APPROVED

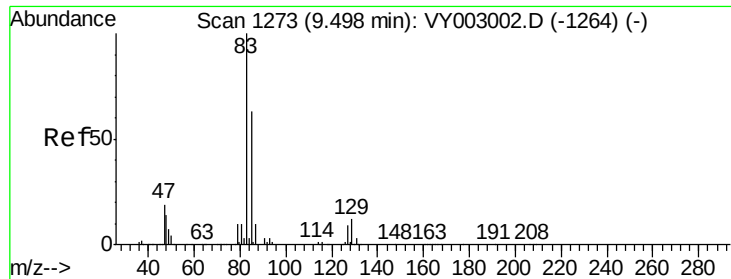
MMDadoda
 6/30/2020 12:54:05 PM



#46
 Dibromomethane
 Concen: 20.115 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	67.6	101.4
174	109.9	88.3	132.5





#47

Bromodichloromethane

Concen: 19.938 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

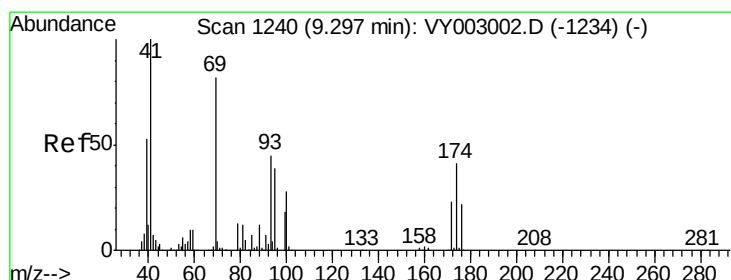
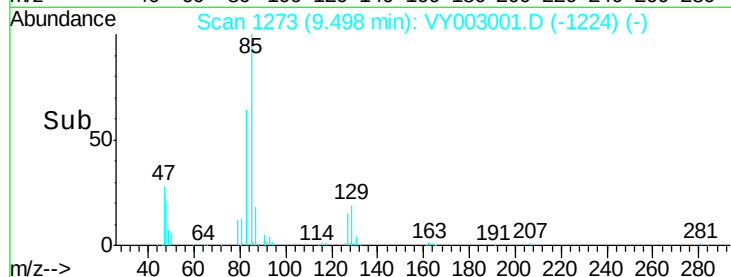
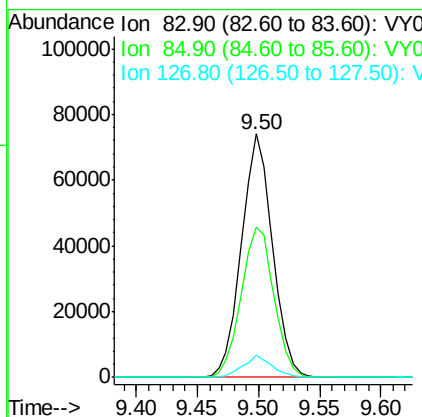
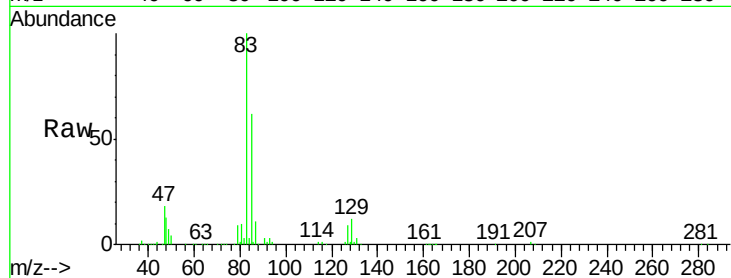
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	130486
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.5	75.7
127	9.3	7.0	10.4

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 19.861 ug/l

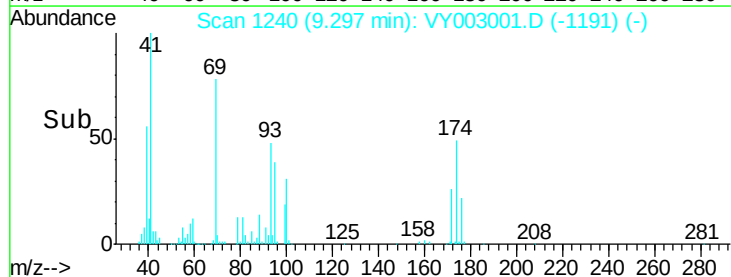
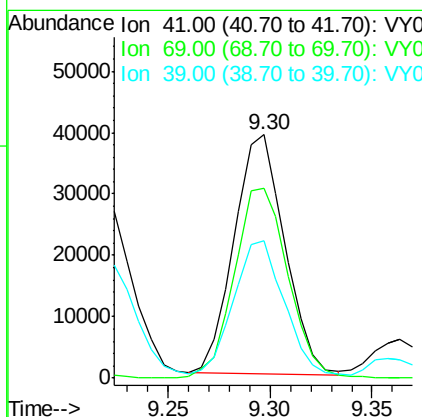
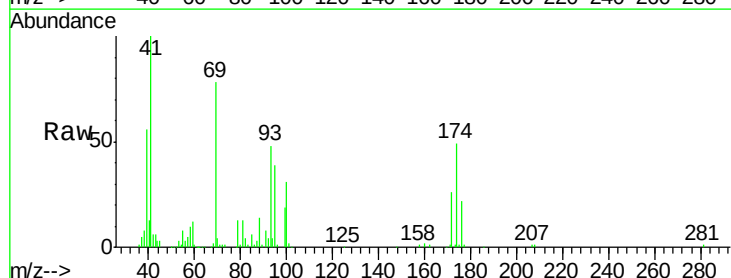
RT: 9.30 min Scan# 1240

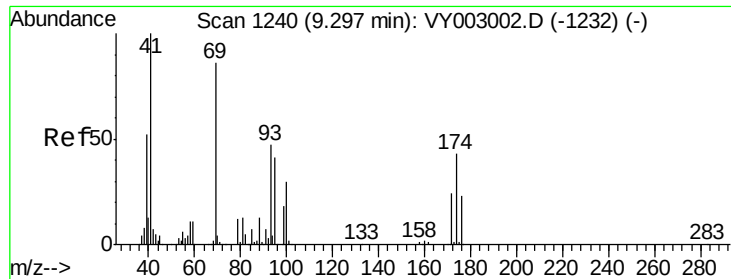
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	41	Resp:	67135
Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.7	101.5
39	59.2	45.0	67.4





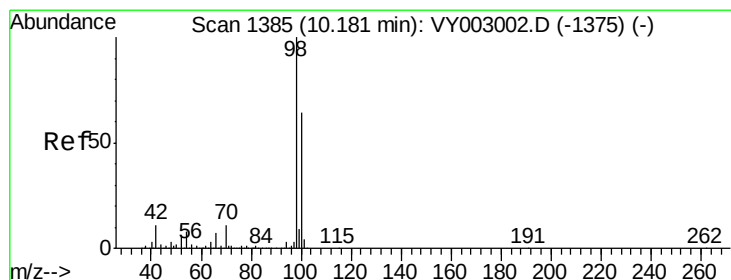
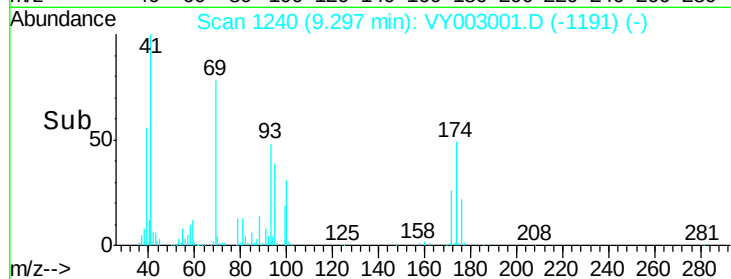
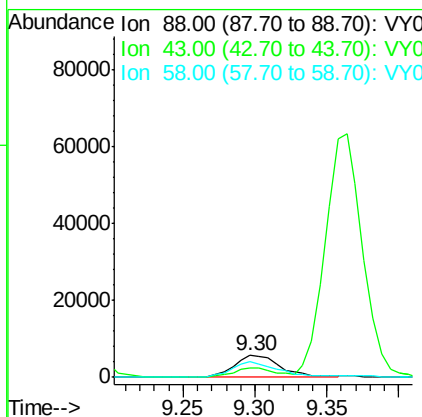
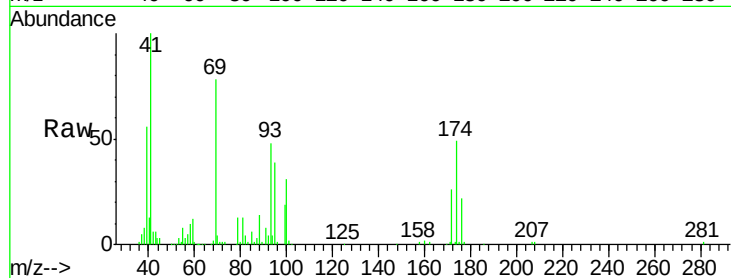
#49
1,4-Dioxane
Concen: 396.122 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.6	42.8
58	69.9	56.7	85.1

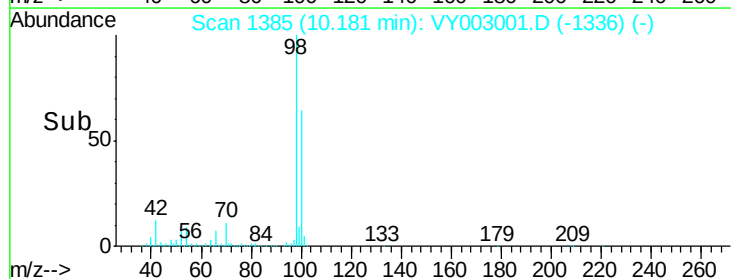
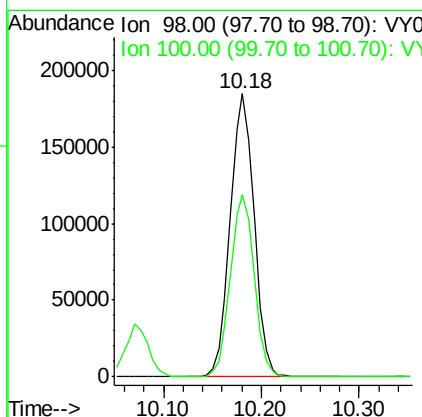
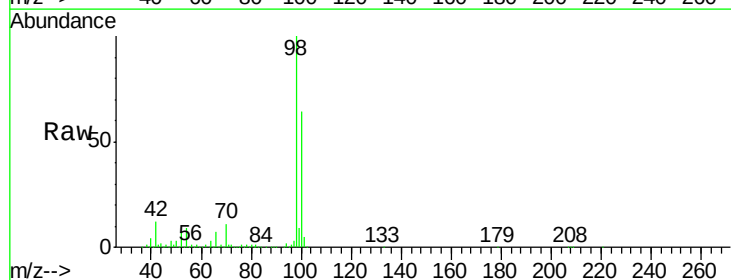
Manual Integrations
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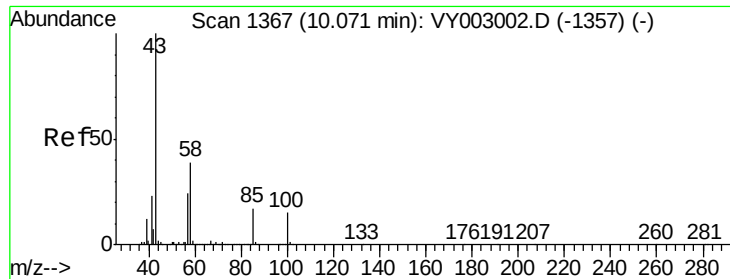
MMDadoda
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#50
Toluene-d8
Concen: 19.994 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





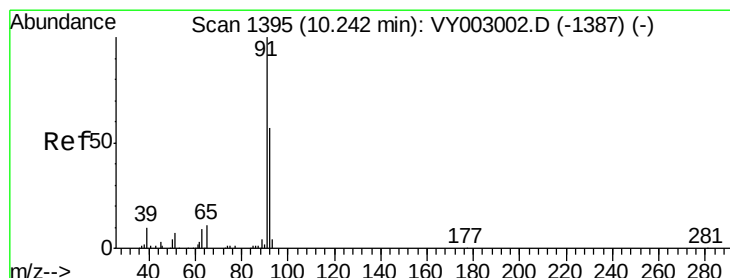
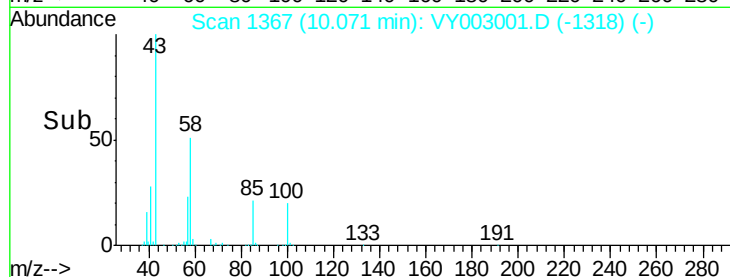
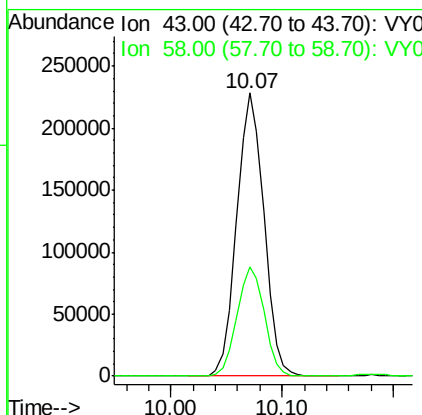
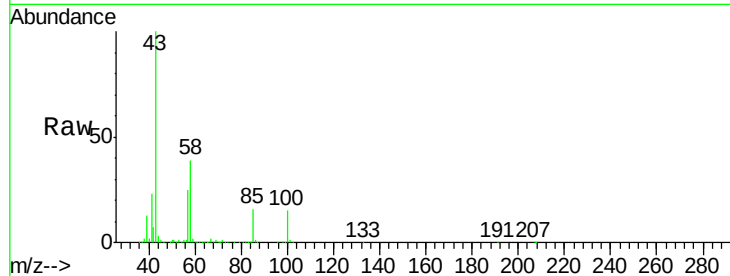
#51
4-Methyl-2-Pentanone
Concen: 100.674 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	386419
Ion Ratio	100	Lower	Upper
43	100		
58	38.6	31.1	46.7

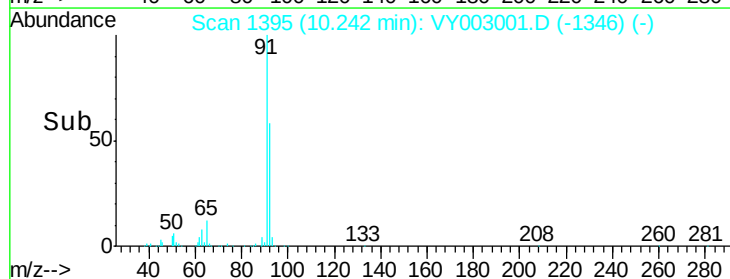
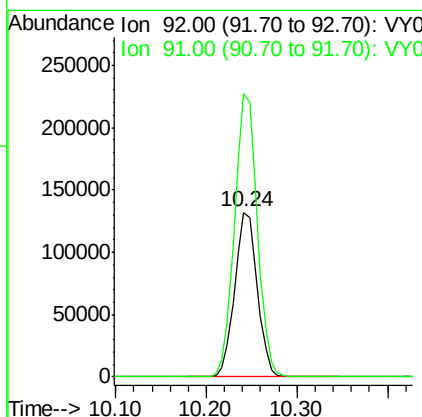
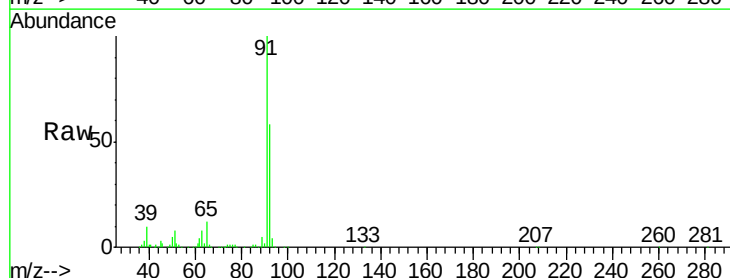
Manual Integrations
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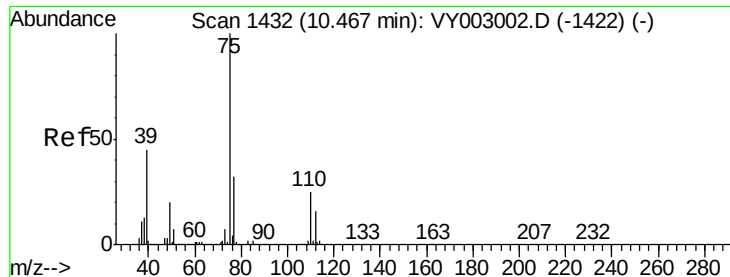
MMDadoda
6/30/2020 12:54:05 PM



#52
Toluene
Concen: 20.273 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	92	Resp	226998
Ion Ratio	100	Lower	Upper
92	100		
91	174.3	139.6	209.4





#53

t-1,3-Dichloropropene

Concen: 19.909 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 136607

Ion Ratio Lower Upper

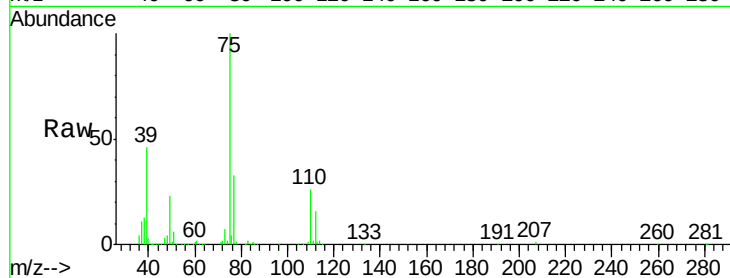
75 100

77 33.3 25.9 38.9

Manual Integrations
APPROVED

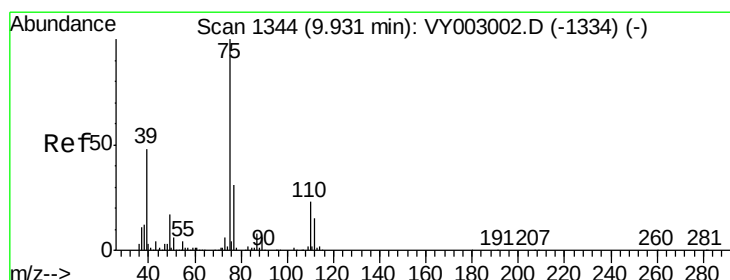
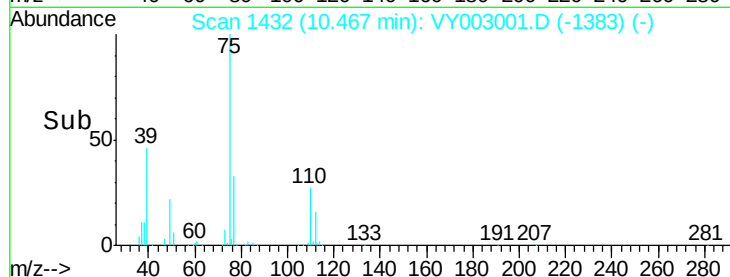
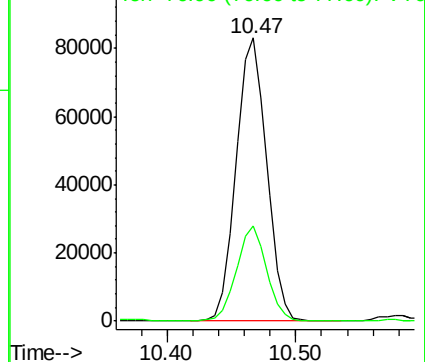
MMDadoda

6/30/2020 12:54:05 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 19.898 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

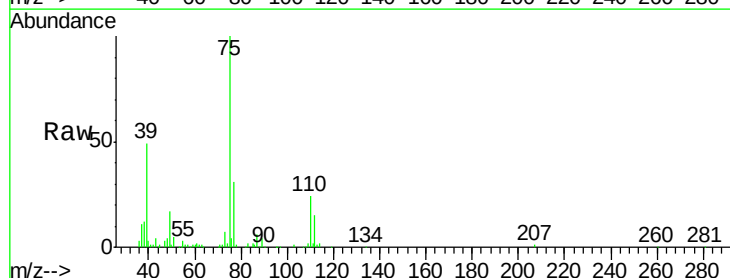
Tgt Ion: 75 Resp: 156148

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

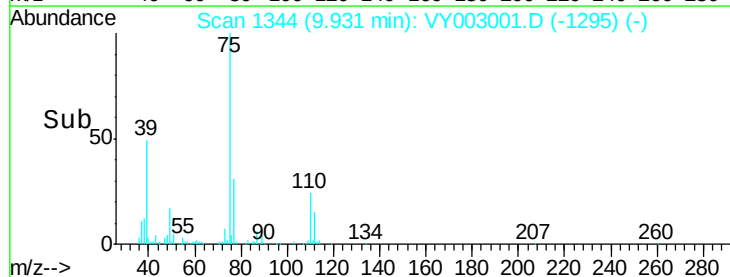
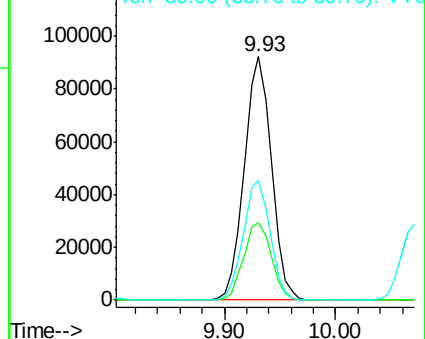
39 48.8 38.3 57.5

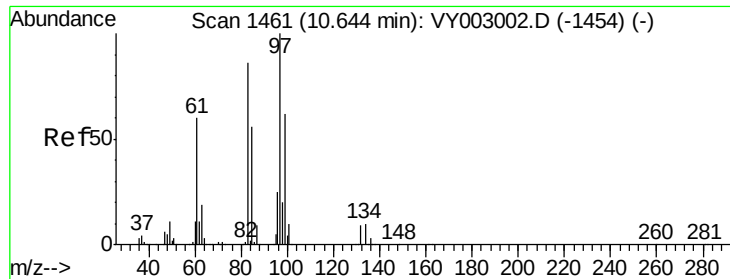


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





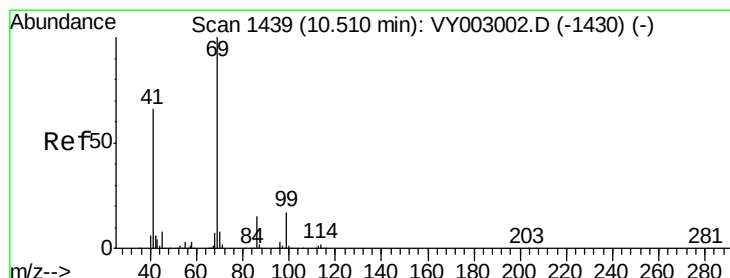
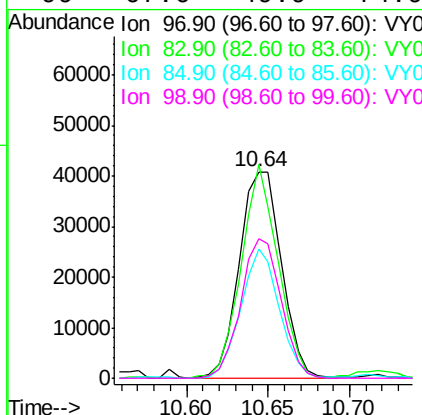
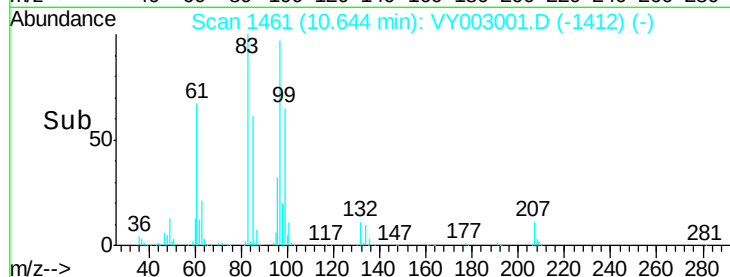
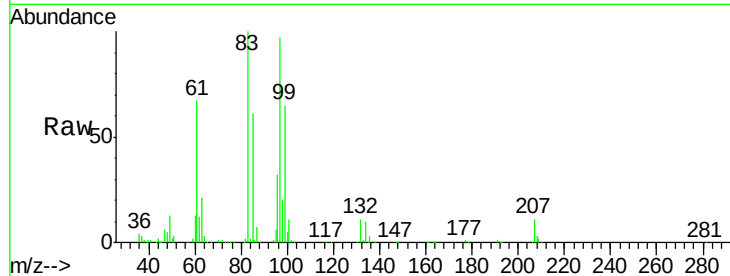
#55
 1,1,2-Trichloroethane
 Concen: 19.883 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	73847
Ion	Ratio	Lower	Upper
97	100		
83	103.3	69.0	103.6
85	62.8	44.8	67.2
99	67.6	49.9	74.9

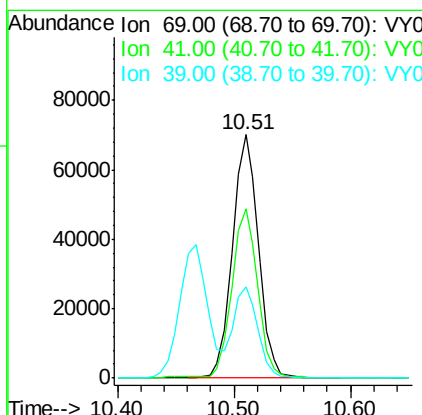
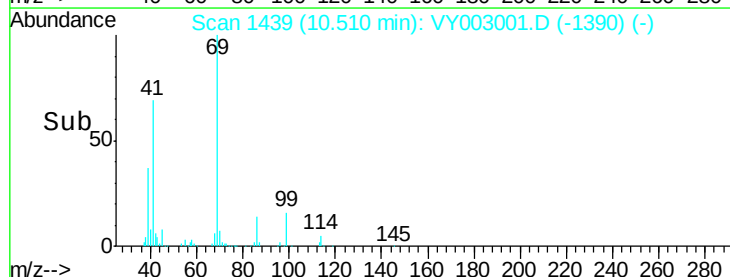
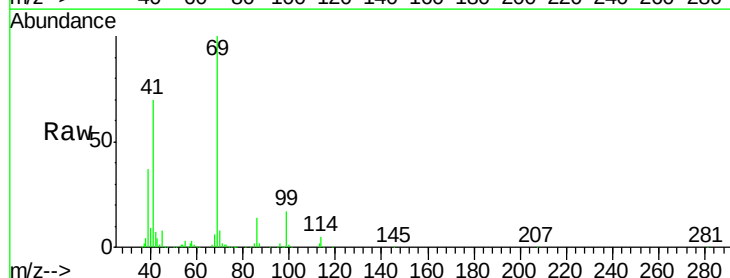
Manual Integrations
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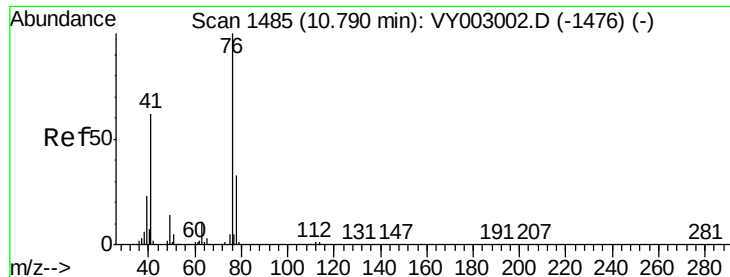
MMDadoda
 6/30/2020 12:54:05 PM



#56
 Ethyl methacrylate
 Concen: 20.250 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion:	69	Resp:	108867
Ion	Ratio	Lower	Upper
69	100		
41	68.3	53.7	80.5
39	34.0	28.3	42.5





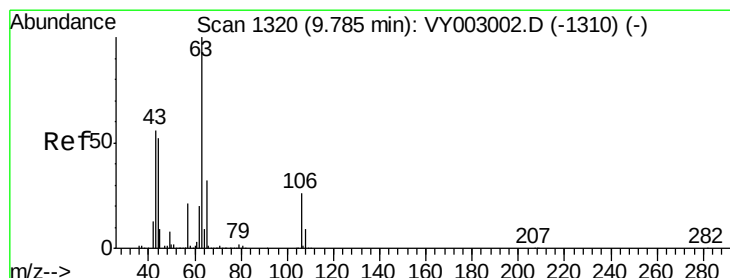
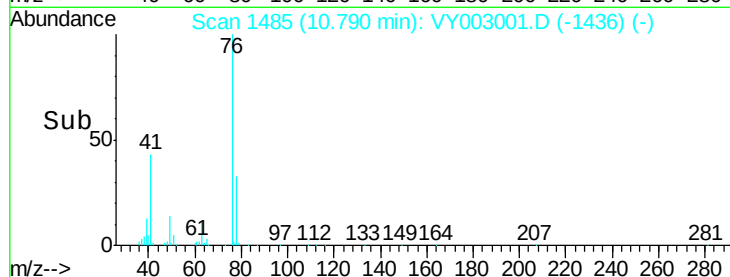
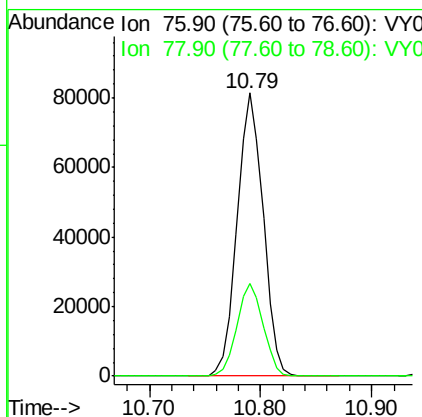
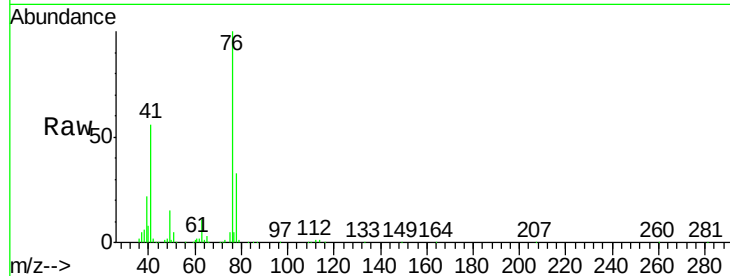
#57
 1,3-Dichloropropane
 Concen: 20.215 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

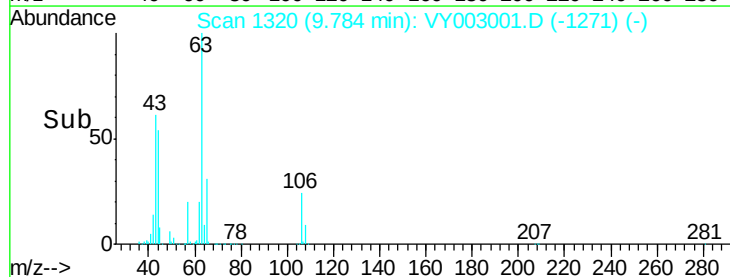
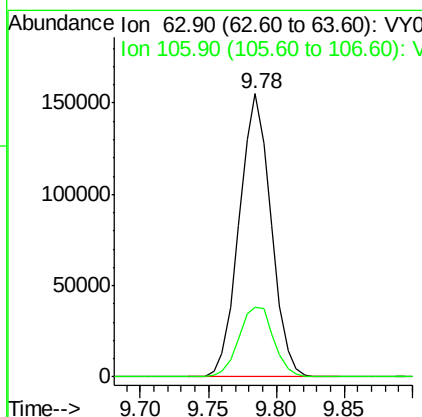
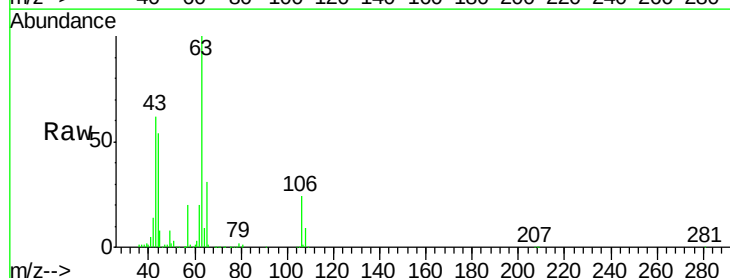
Manual Integrations
 APPROVED

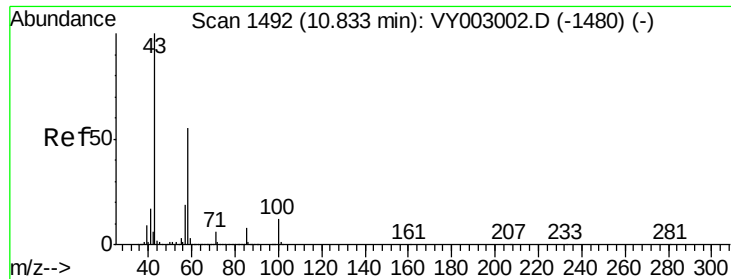
MMDadoda
 6/30/2020 12:54:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.123 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





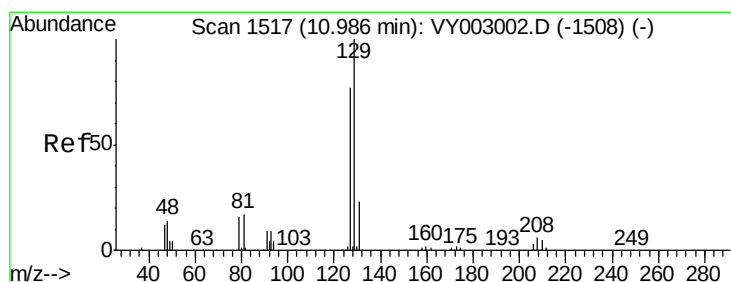
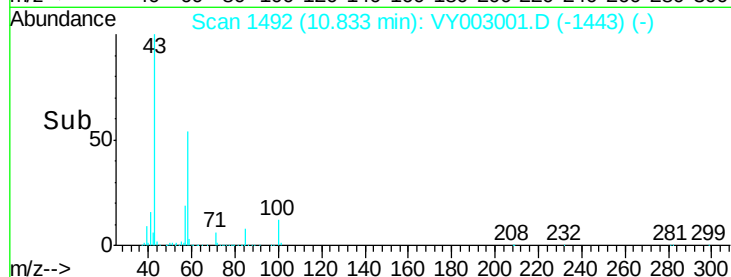
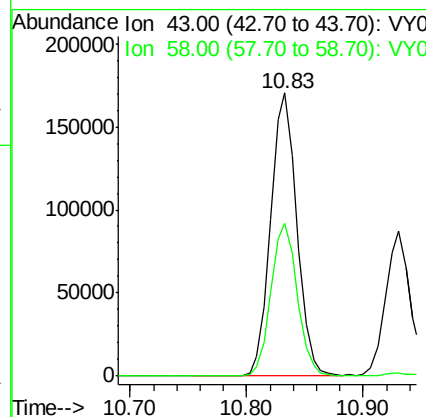
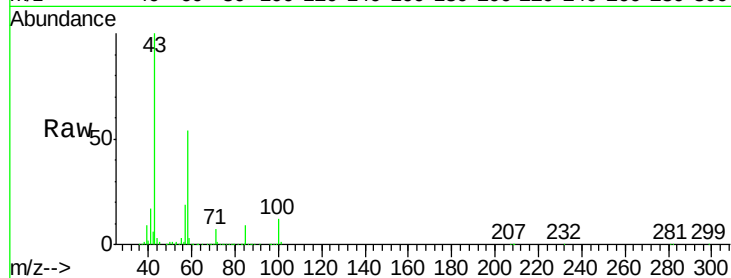
#59
2-Hexanone
Concen: 99.679 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 267425
Ion Ratio Lower Upper
43 100
58 54.2 27.5 82.4

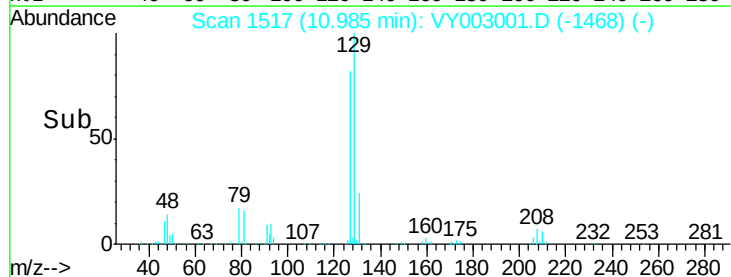
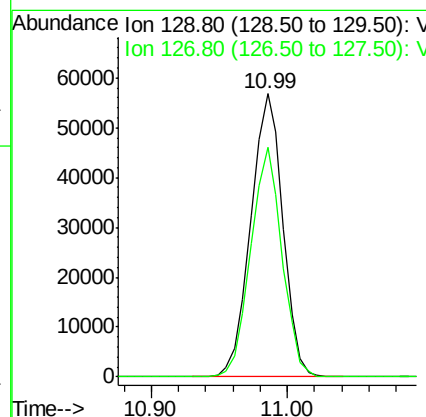
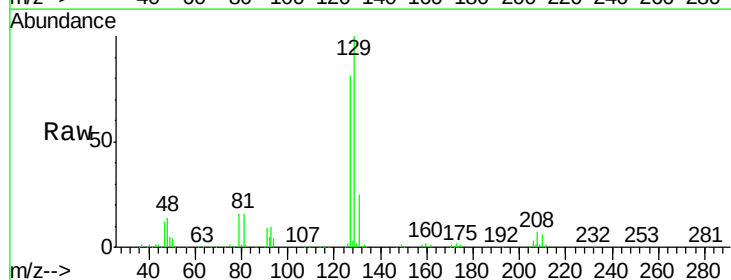
Manual Integrations
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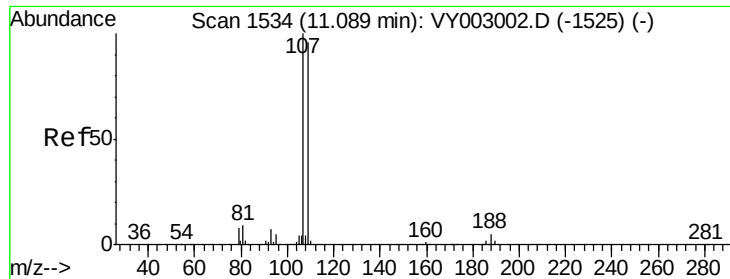
MMDadoda
6/30/2020 12:54:05 PM



#60
Dibromochloromethane
Concen: 19.769 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion: 129 Resp: 93961
Ion Ratio Lower Upper
129 100
127 79.3 39.1 117.3





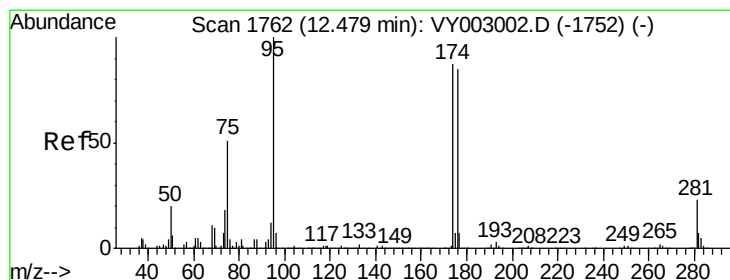
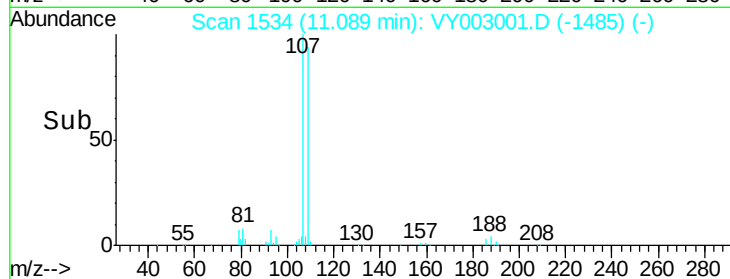
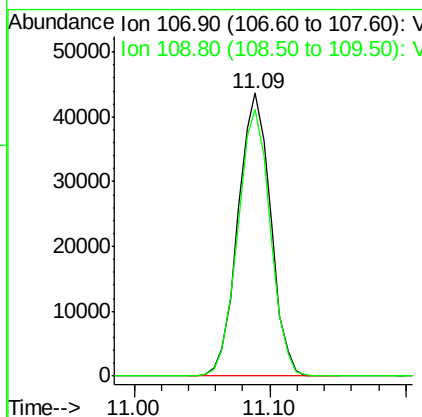
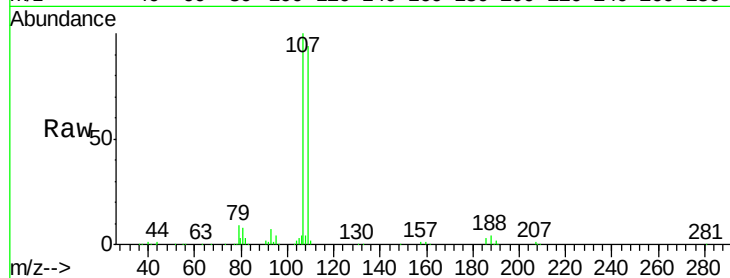
#61
 1,2-Dibromoethane
 Concen: 19.976 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

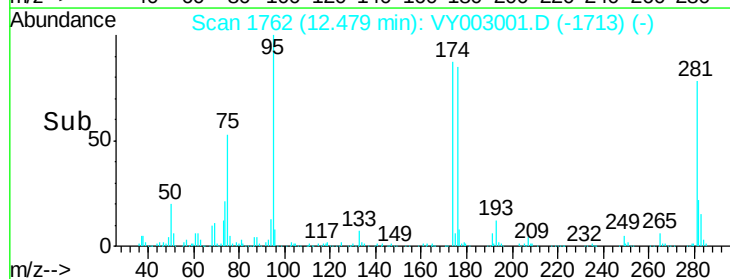
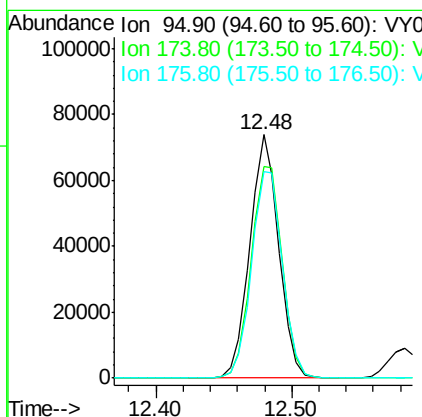
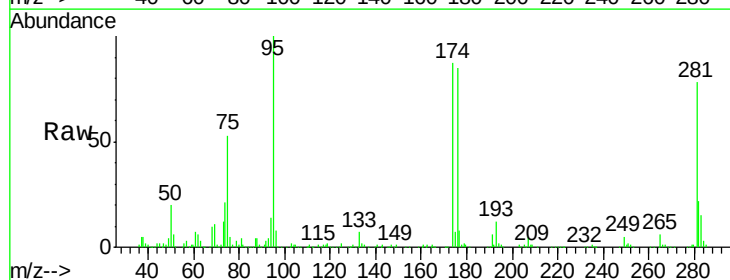
Manual Integrations
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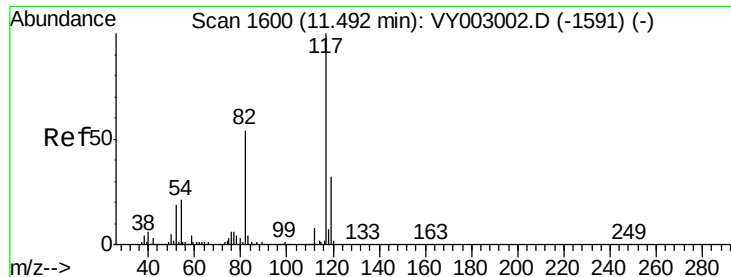
MMDadoda
 6/30/2020 12:54:05 PM



#62
 4-Bromofluorobenzene
 Concen: 19.957 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	184.8
176	90.2	0.0	183.0





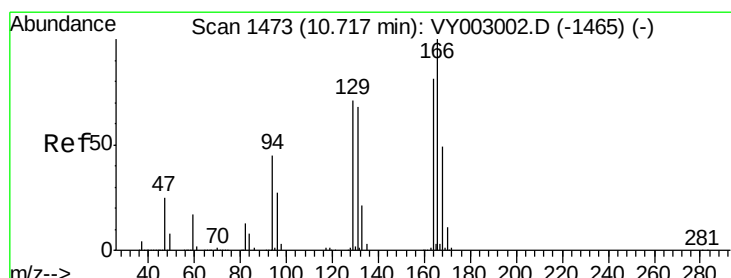
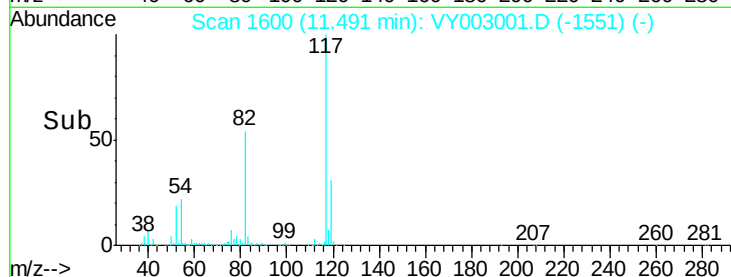
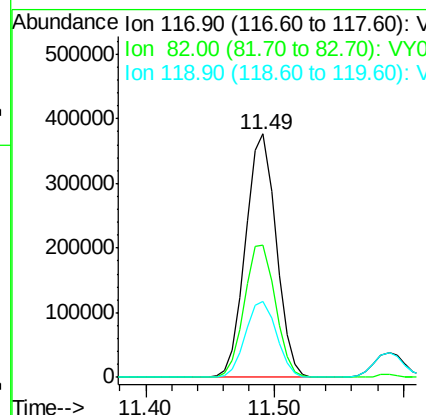
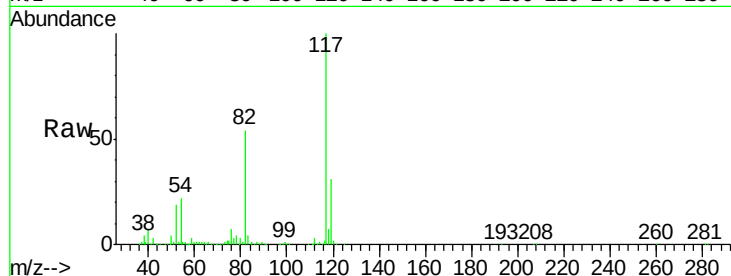
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	617155		
82	54.3	43.0	64.6	
119	31.2	25.8	38.8	

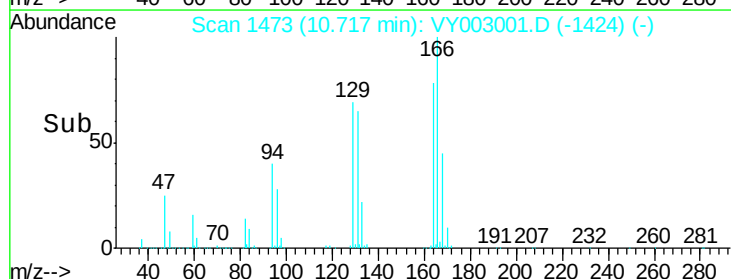
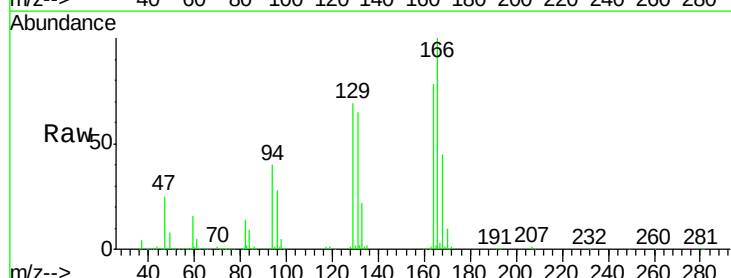
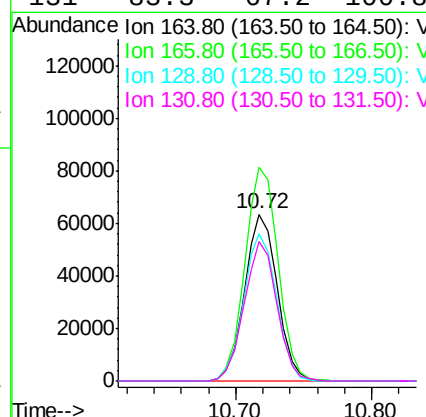
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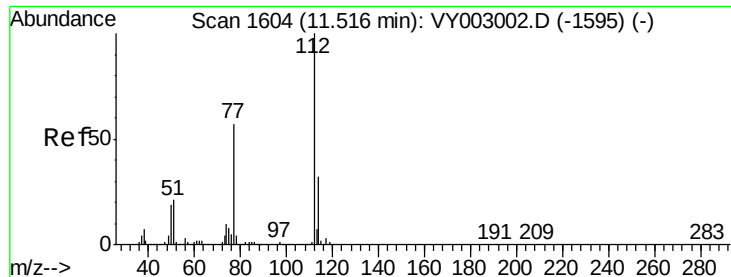
MMDadoda
6/30/2020 12:54:05 PM



#64
Tetrachloroethene
Concen: 20.308 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106074		
166	128.1	98.5	147.7	
129	88.6	69.7	104.5	
131	83.3	67.2	100.8	





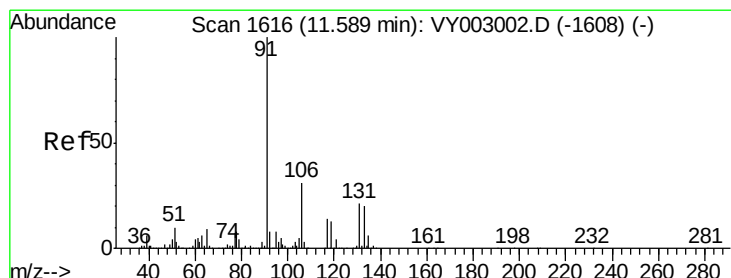
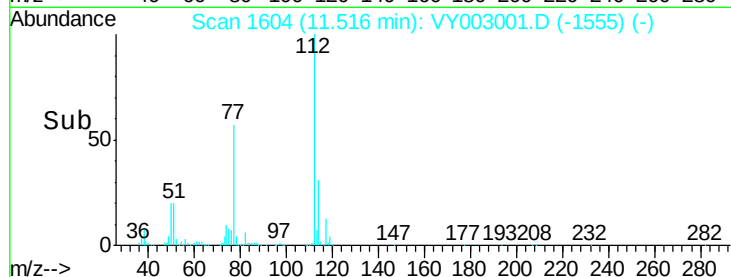
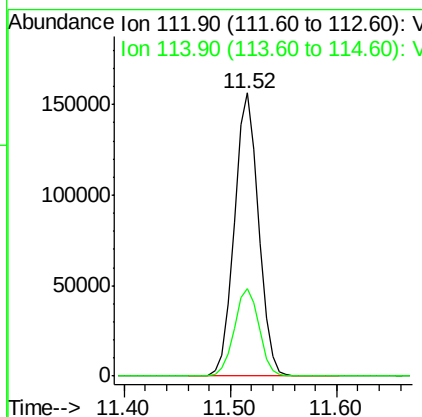
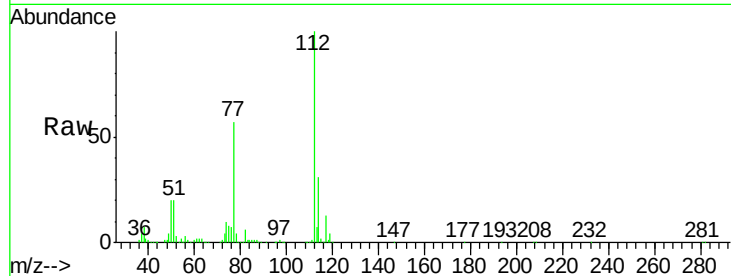
#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.7	38.5

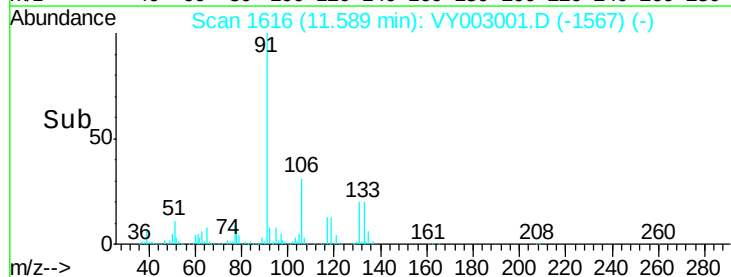
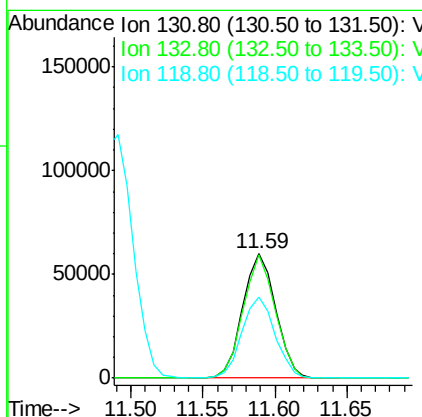
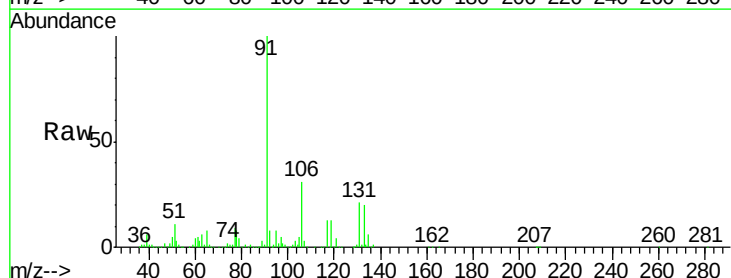
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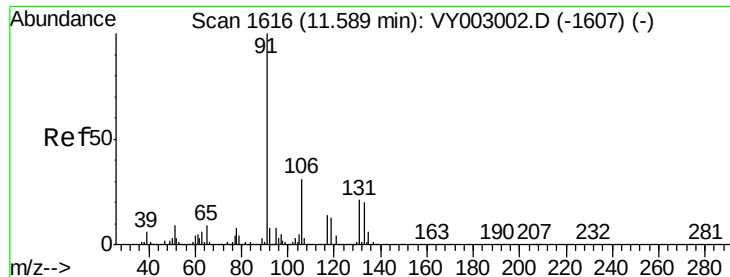
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.8
119	65.2	31.8	95.3





#67

Ethyl Benzene

Concen: 20.332 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 452651

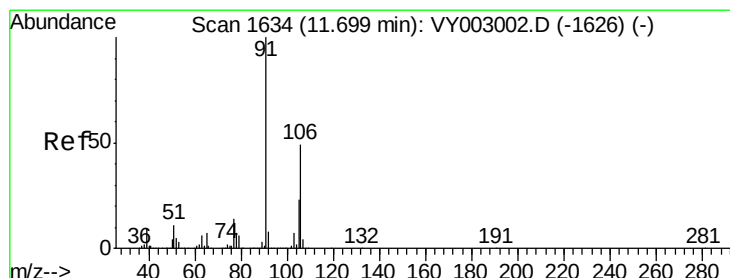
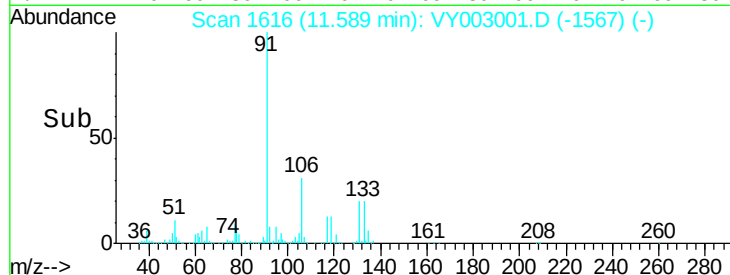
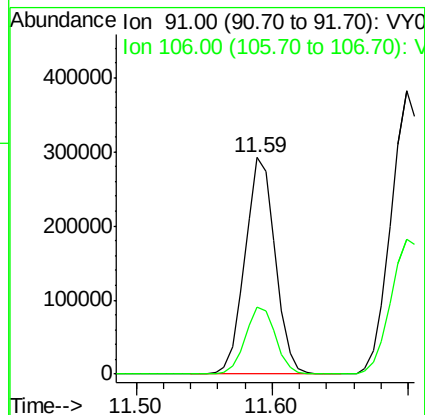
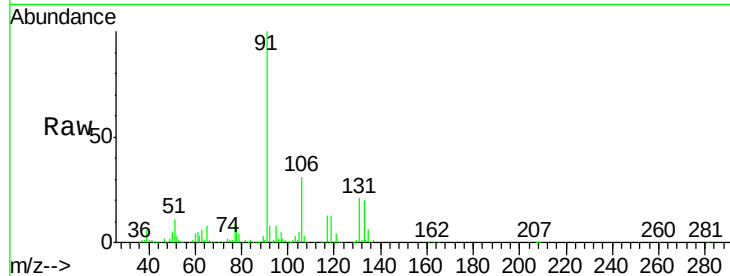
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4

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#68

m/p-Xylenes

Concen: 40.450 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003001.D

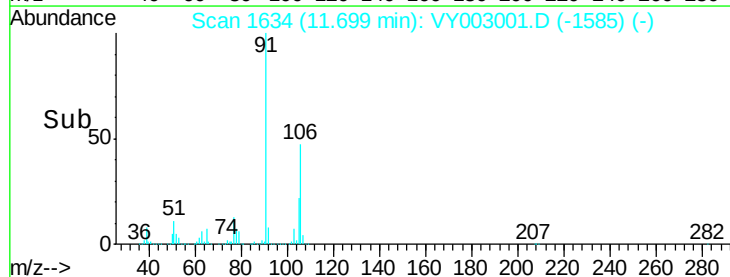
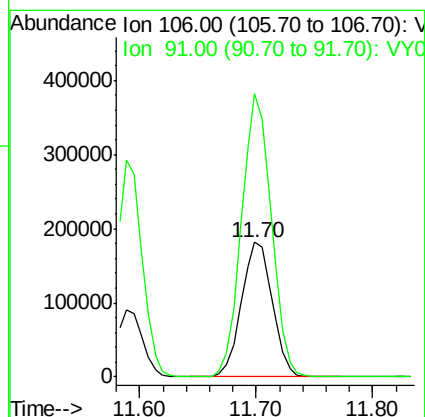
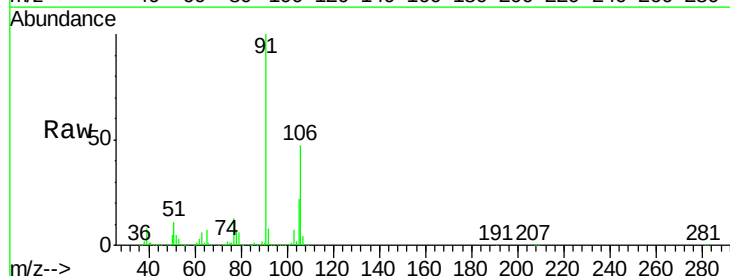
Acq: 29 Jun 2020 11:54

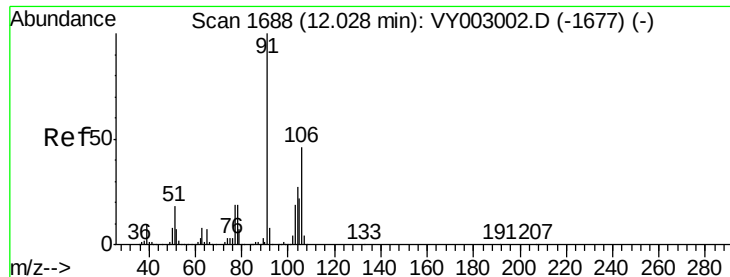
Tgt Ion: 106 Resp: 335154

Ion Ratio Lower Upper

106 100

91 203.7 161.9 242.9





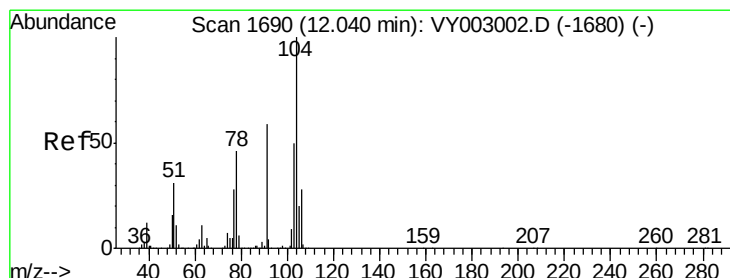
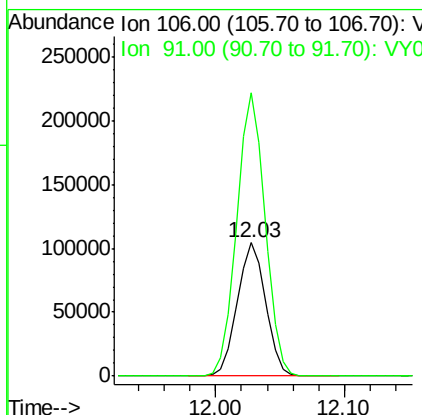
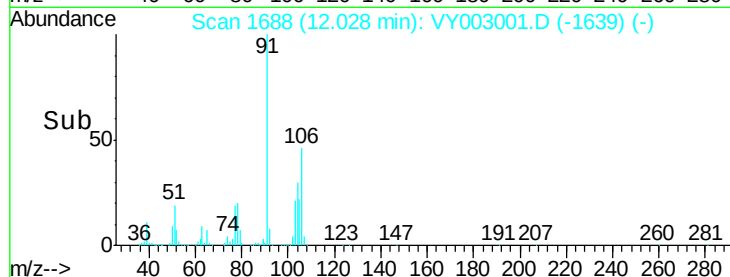
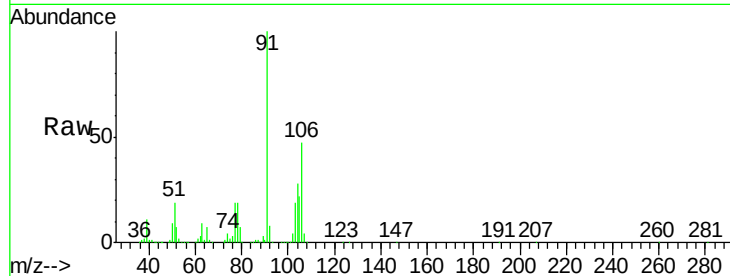
#69
o-Xylene
Concen: 20.393 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 159225
Ion Ratio Lower Upper
106 100
91 212.1 107.9 323.8

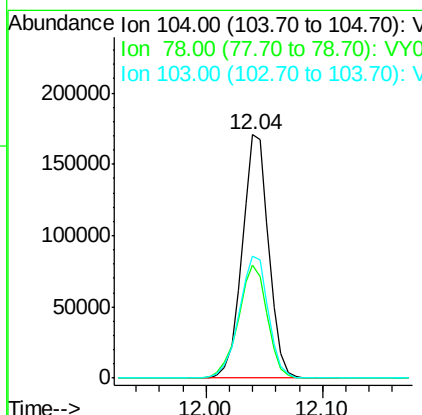
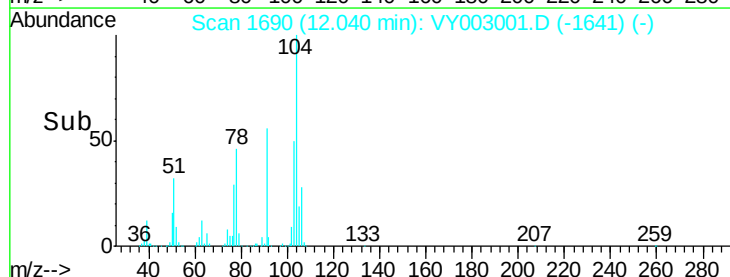
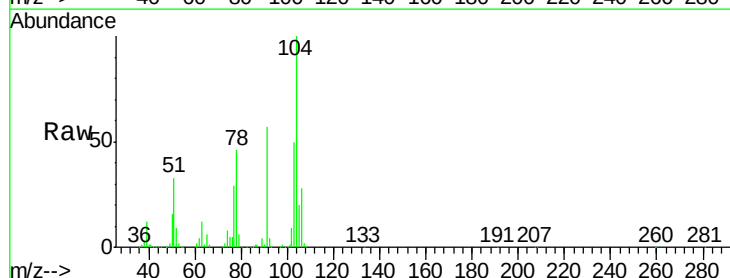
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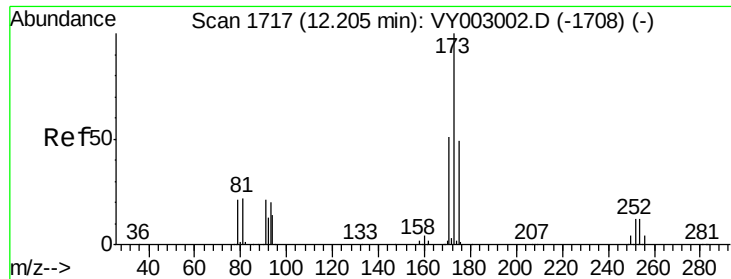
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#70
Styrene
Concen: 20.205 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion:104 Resp: 269508
Ion Ratio Lower Upper
104 100
78 51.0 40.4 60.6
103 55.1 44.1 66.1





#71

Bromoform

Concen: 19.956 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 63222

Ion Ratio Lower Upper

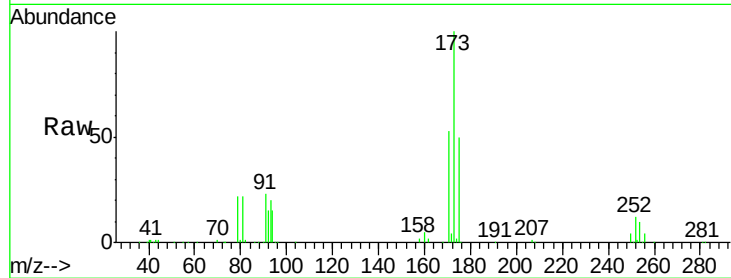
173 100

175 49.2 24.6 73.6

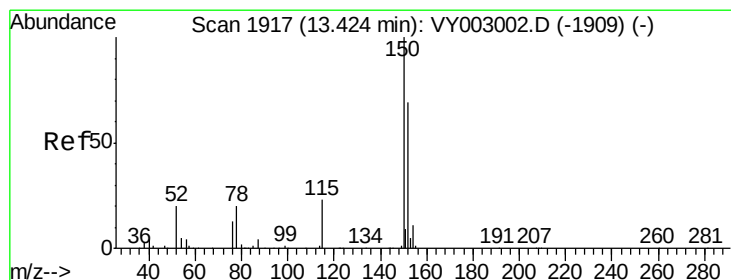
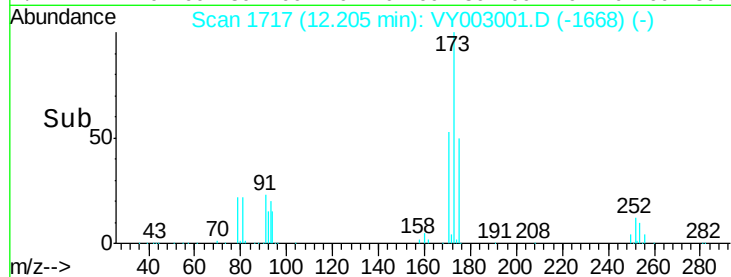
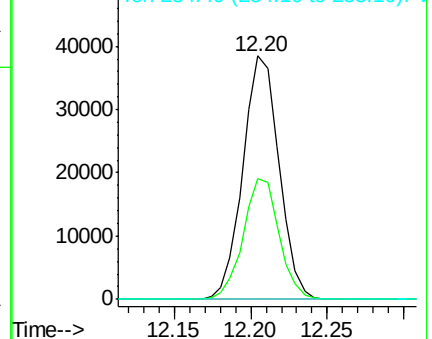
254 0.2 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

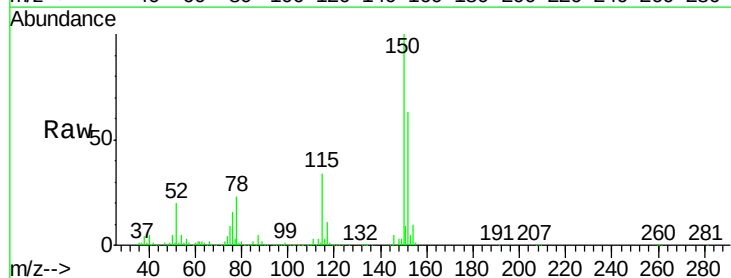
Tgt Ion:152 Resp: 326293

Ion Ratio Lower Upper

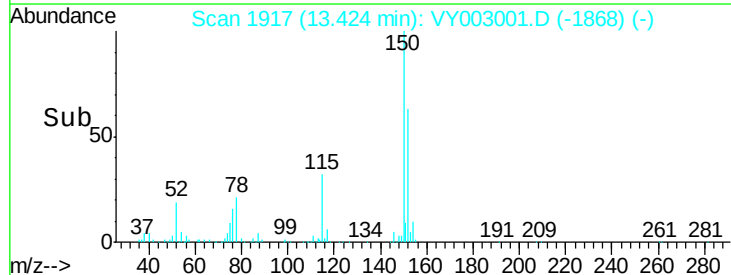
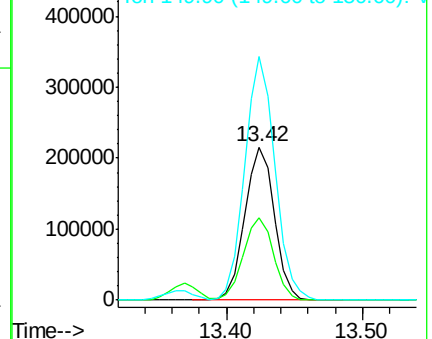
152 100

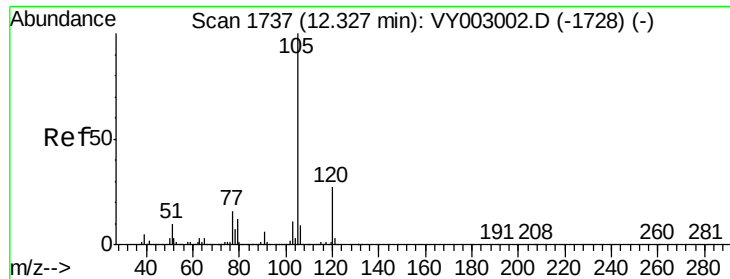
115 54.8 27.3 81.9

150 163.4 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





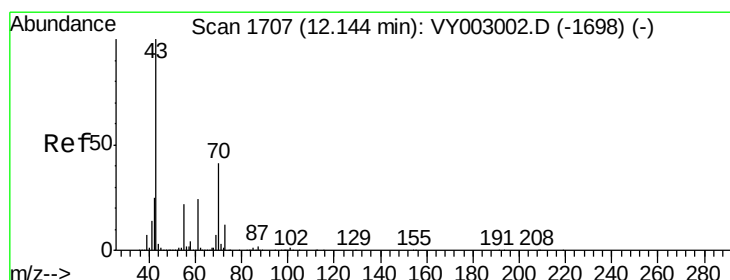
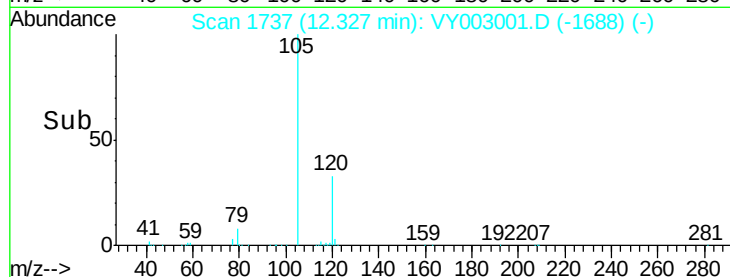
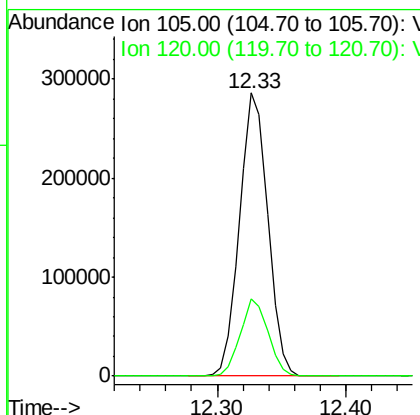
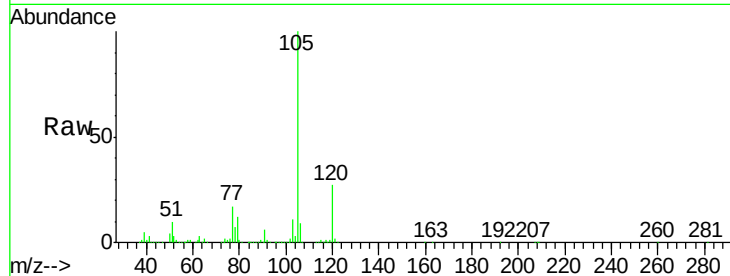
#73
Isopropylbenzene
Concen: 20.290 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

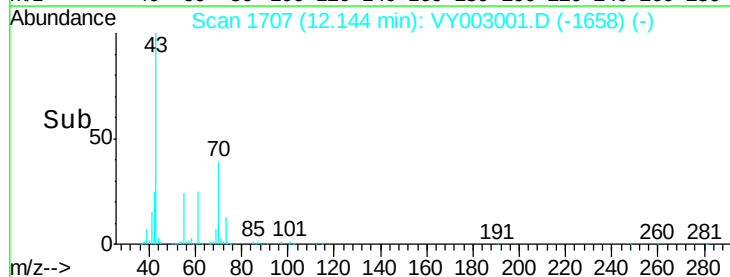
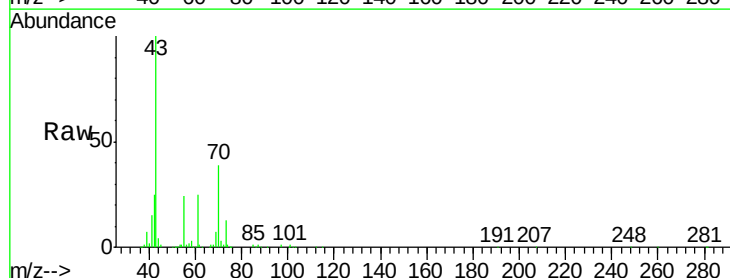
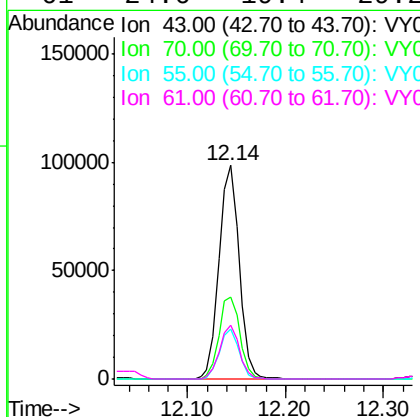
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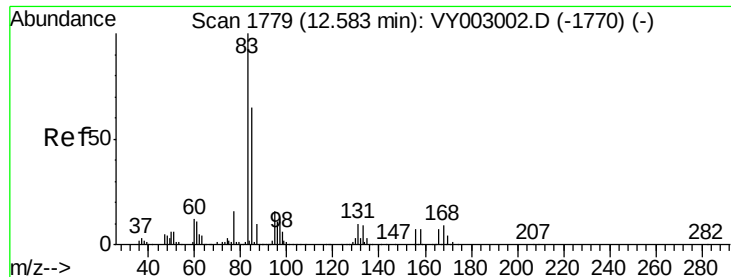
MMDadoda
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#74
N-ethyl acetate
Concen: 20.349 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.6	33.0	49.4
55	23.1	18.2	27.2
61	24.6	19.4	29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.866 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

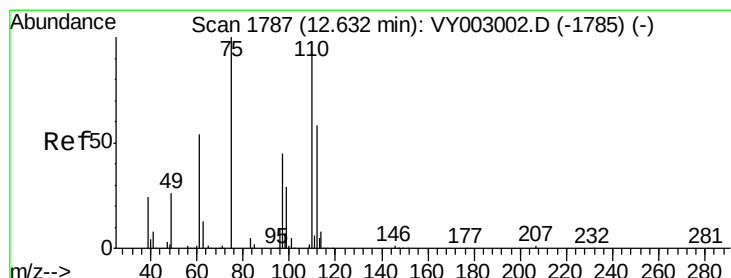
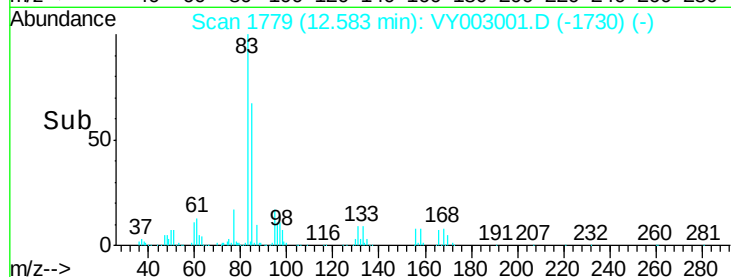
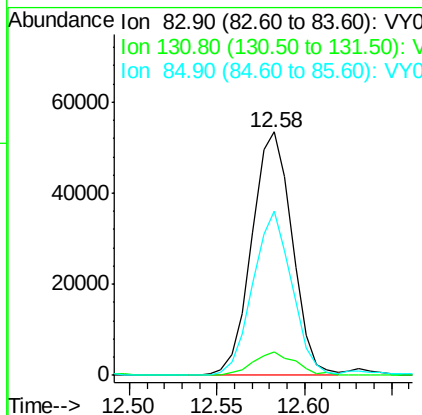
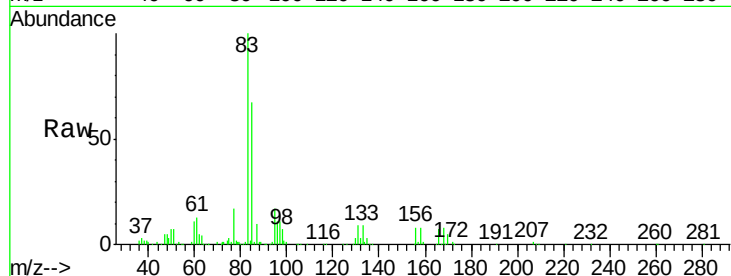
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	85609
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	65.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.314 ug/l m

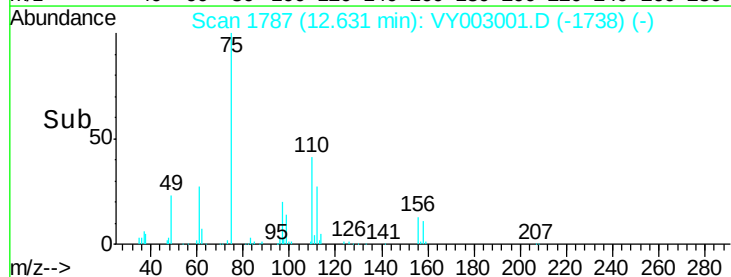
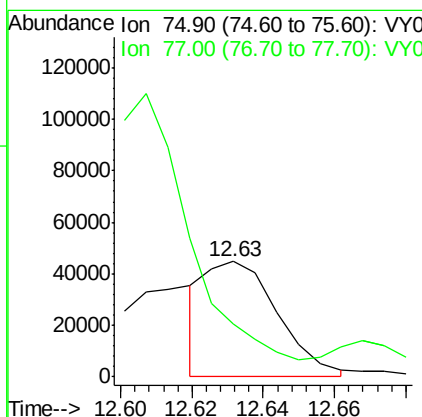
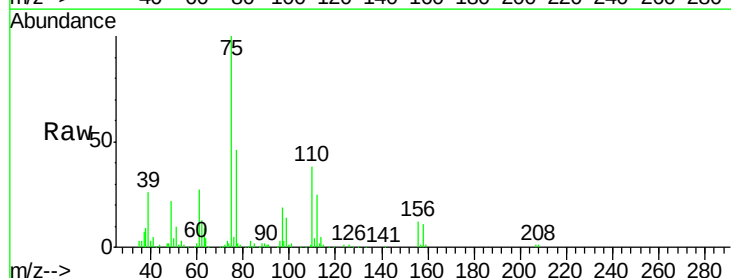
RT: 12.63 min Scan# 1787

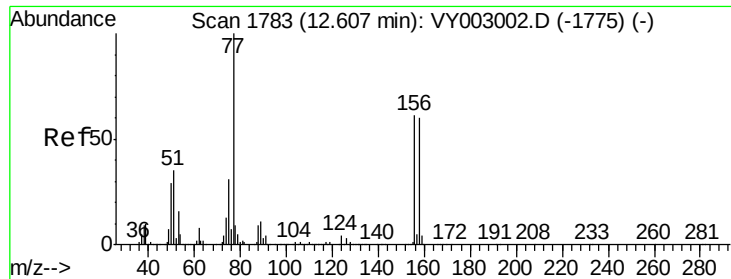
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	75	Resp:	63099
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.160 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

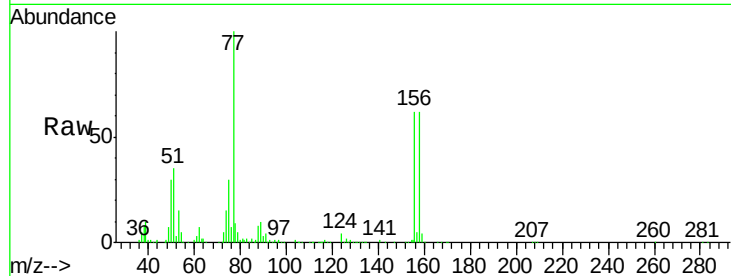
ClientSampleId :

VSTDIC020

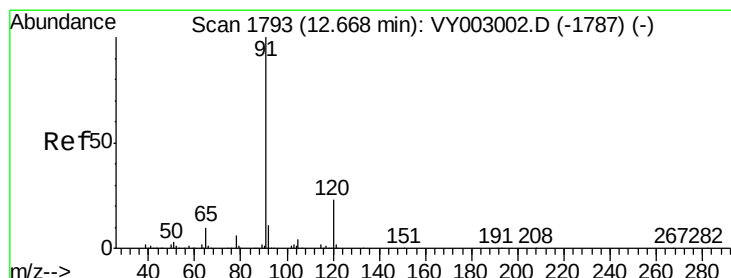
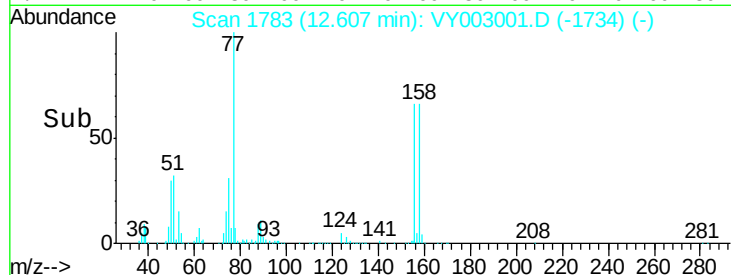
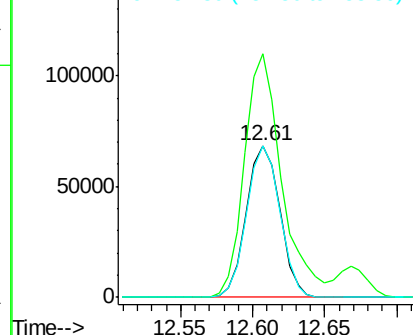
Tot Ion:	156	Resp:	110381
Ion Ratio	Lower	Upper	
156	100		
77	178.7	90.0	270.0
158	99.0	48.5	145.5

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.518 ug/l

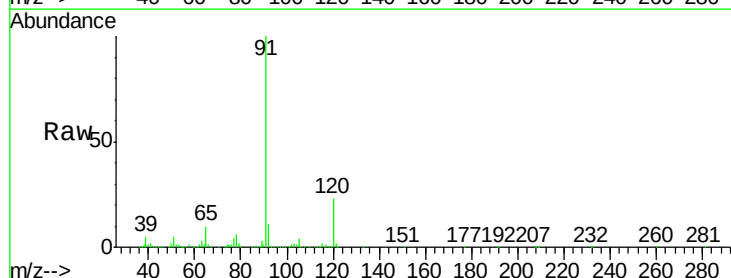
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

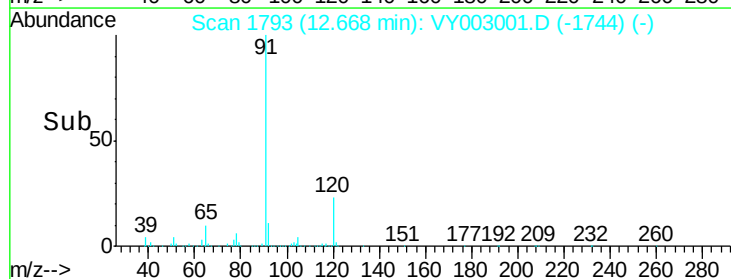
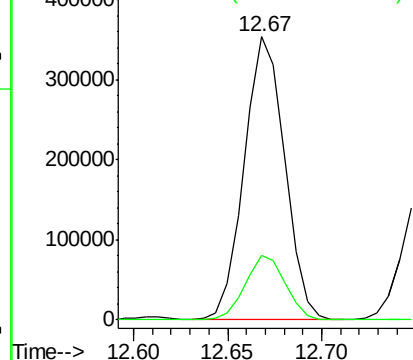
Lab File: VY003001.D

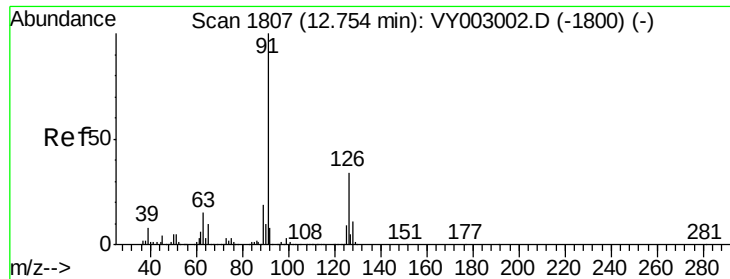
Acq: 29 Jun 2020 11:54

Tgt Ion:	91	Resp:	526932
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.612 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 295471

Ion Ratio Lower Upper

91 100

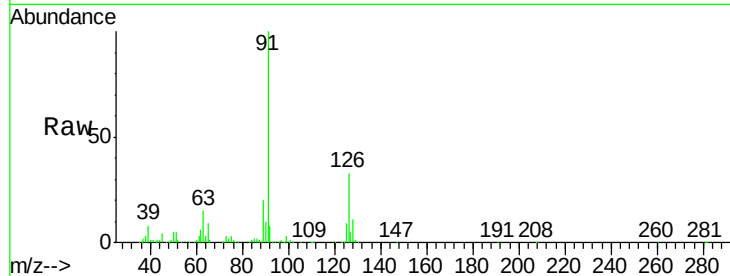
126 34.3 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003002.D (-1800) (-)

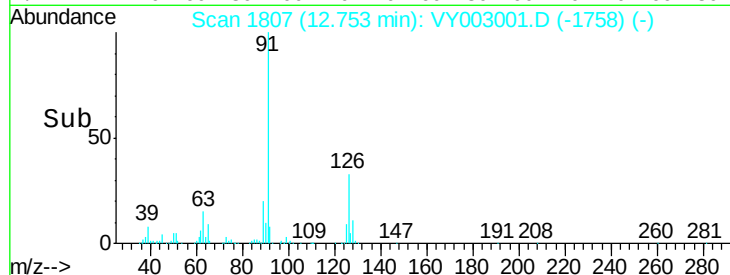
300000

200000

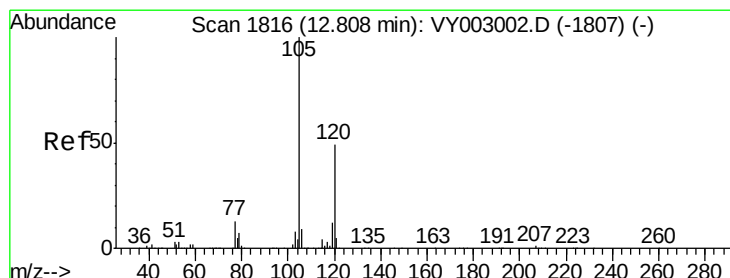
100000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.564 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003001.D

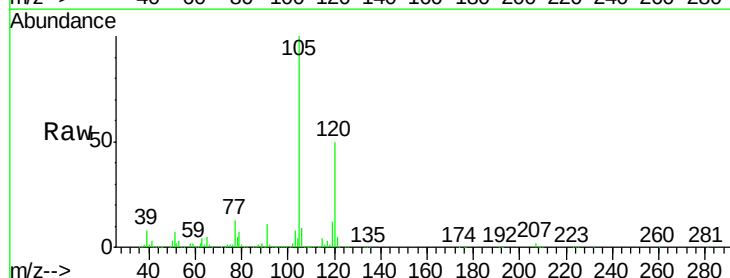
Acq: 29 Jun 2020 11:54

Tgt Ion: 105 Resp: 368503

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003002.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003002.D (-1807) (-)

250000

200000

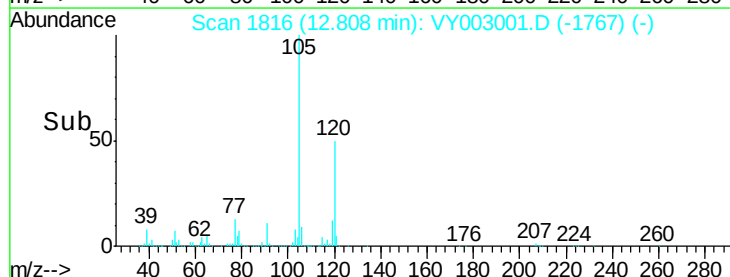
150000

100000

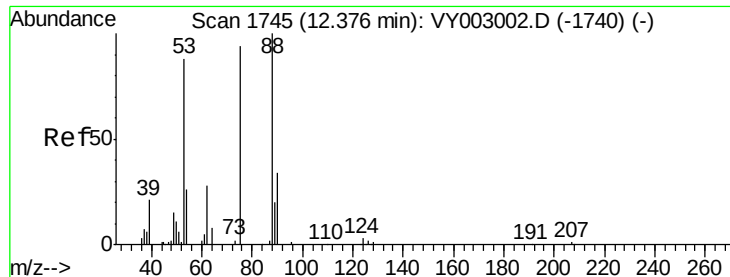
50000

0

12.70 12.80 12.90



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 20.022 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

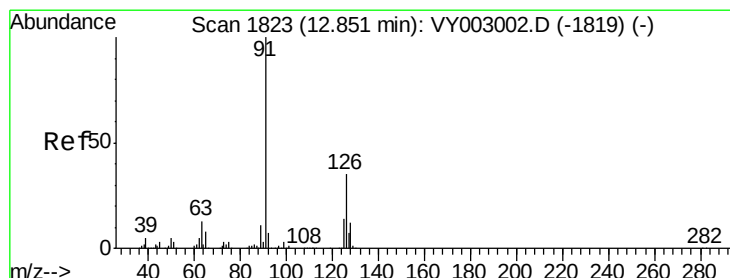
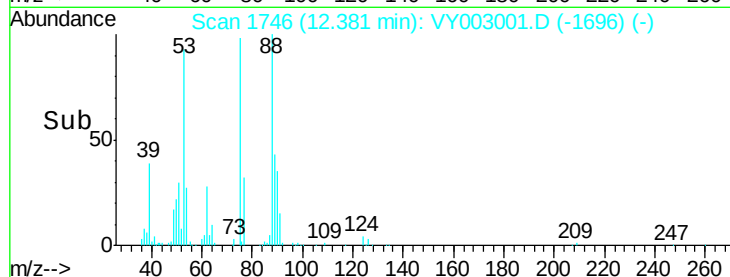
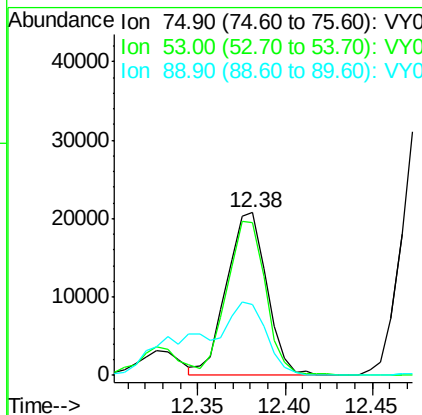
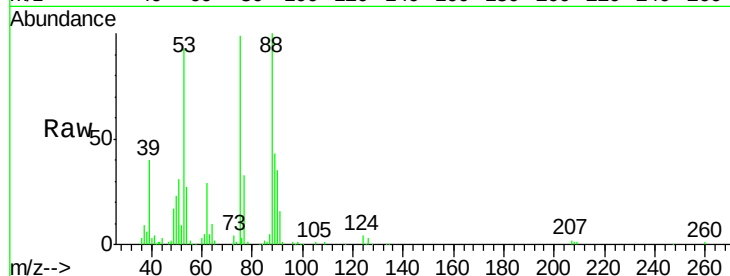
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	33233
Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.9	110.9
89	45.2	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.158 ug/l

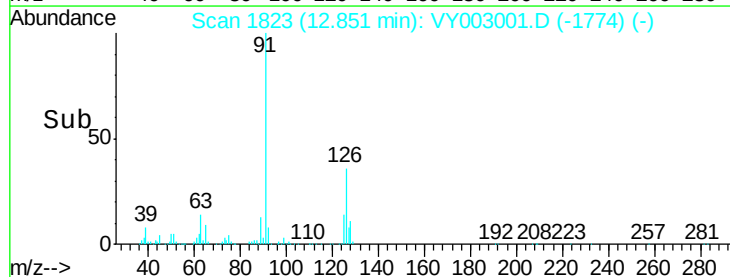
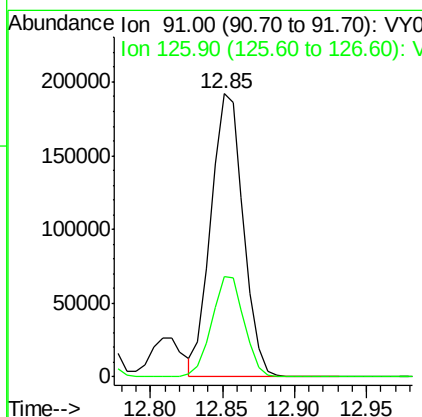
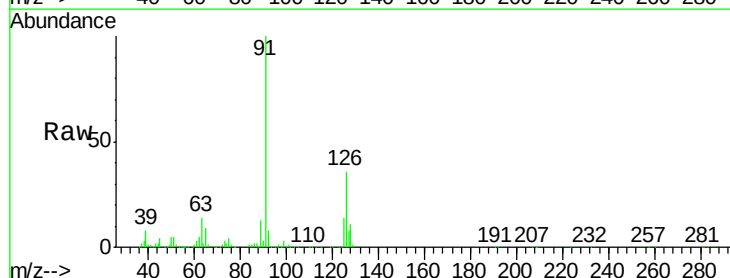
RT: 12.85 min Scan# 1823

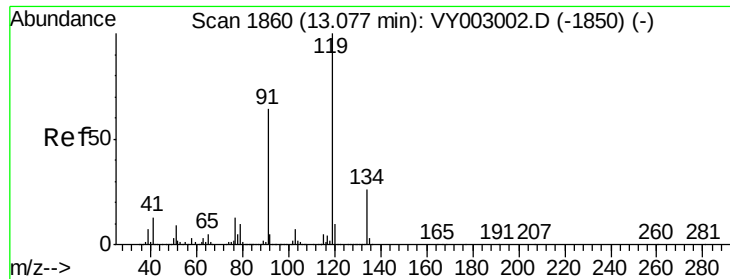
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	91	Resp:	300863
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





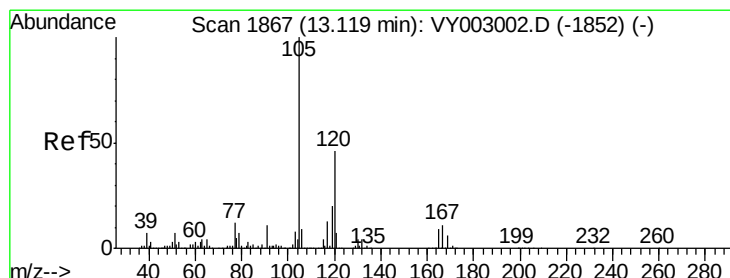
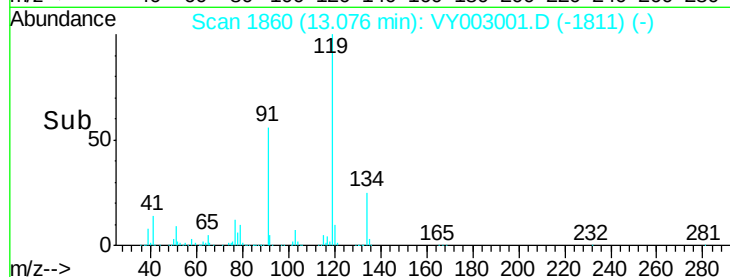
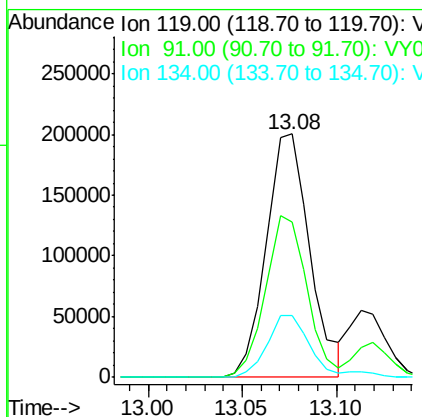
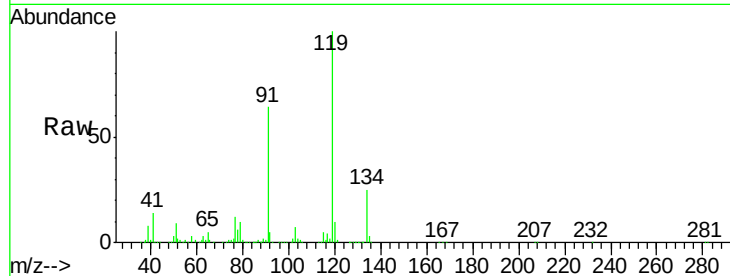
#83
tert-Butylbenzene
Concen: 20.517 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	95.0
134	26.0	13.2	39.5

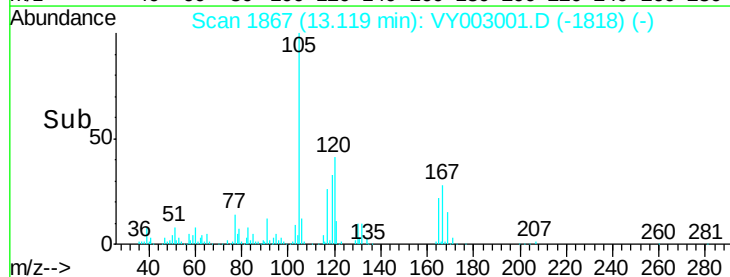
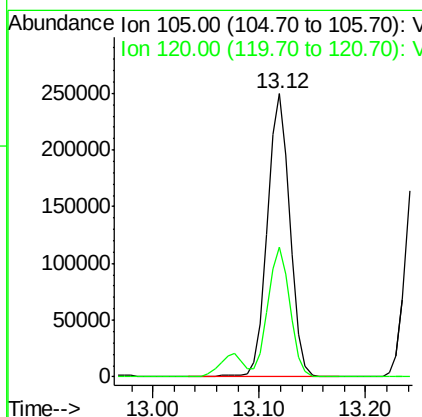
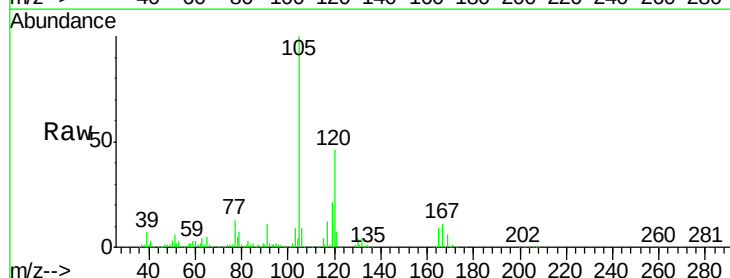
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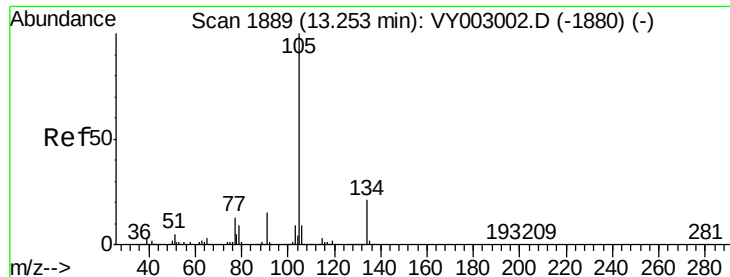
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.462 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.827 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 451698

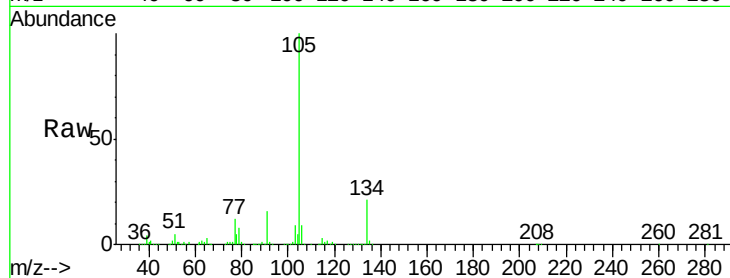
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

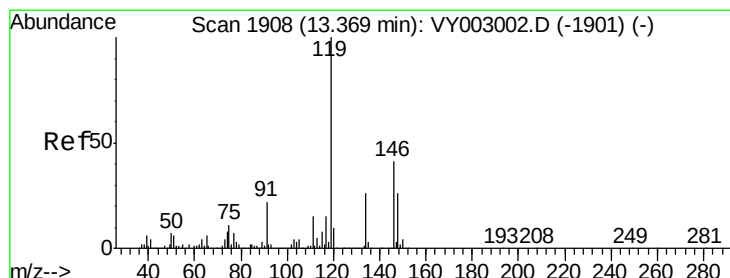
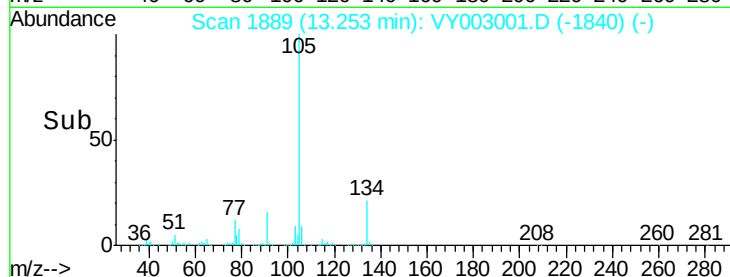
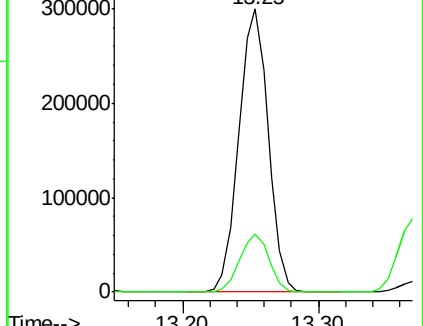
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.503 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

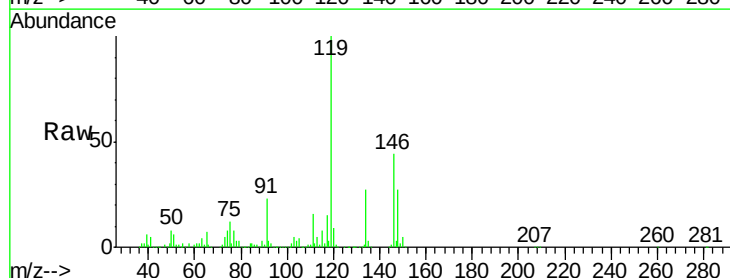
Tgt Ion:119 Resp: 412034

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

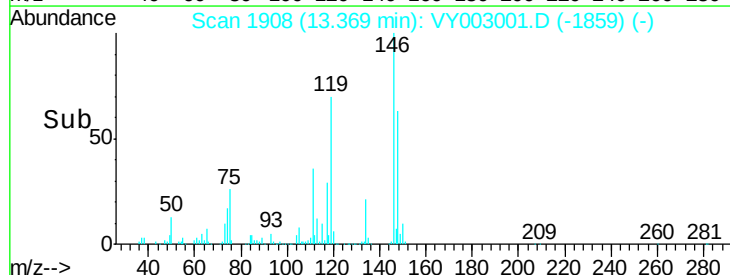
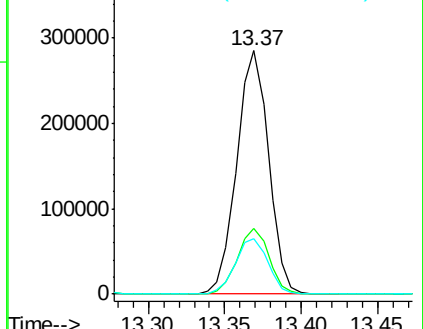
91 23.6 11.5 34.5

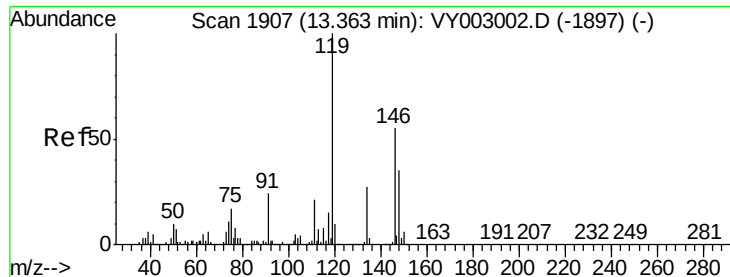


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.212 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

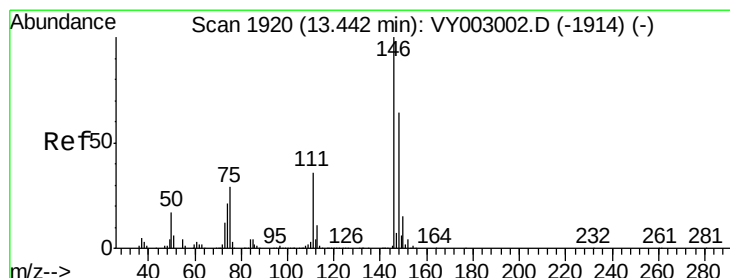
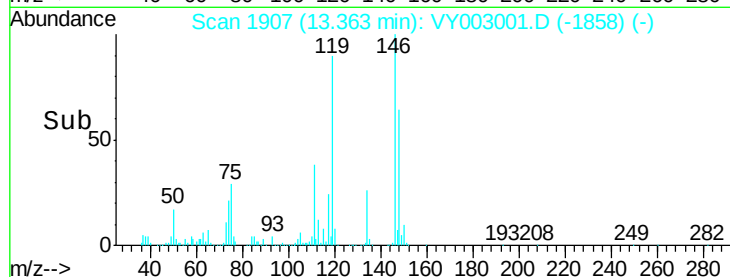
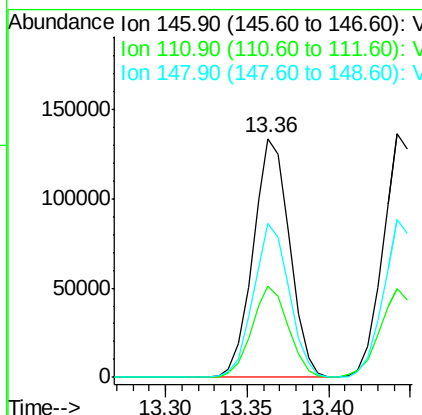
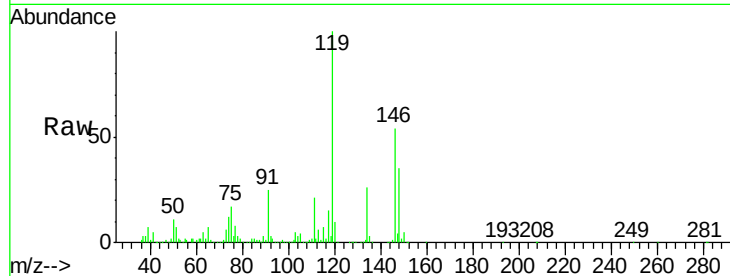
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	63.3	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.585 ug/l

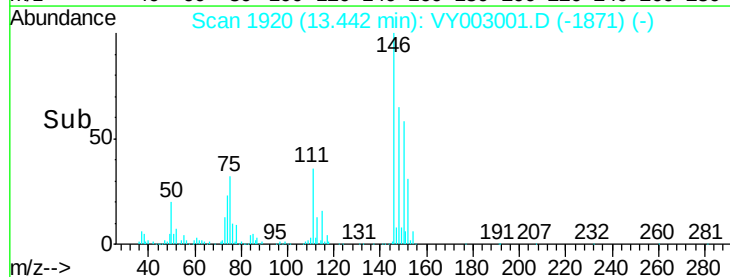
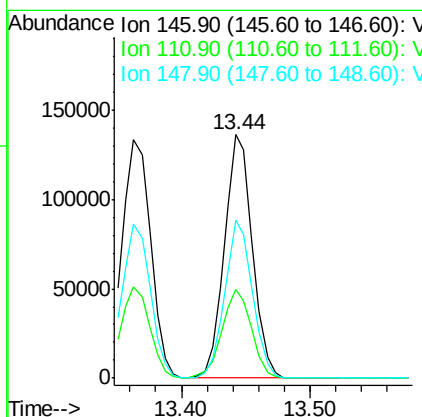
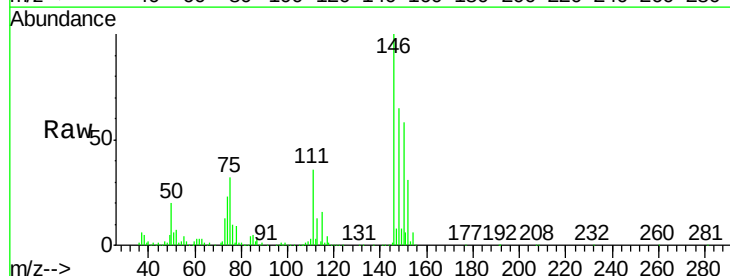
RT: 13.44 min Scan# 1920

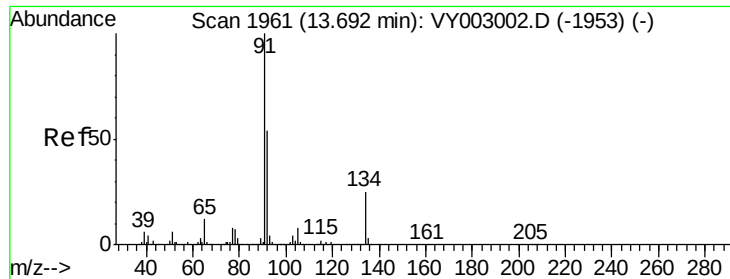
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.4
148	64.5	32.3	96.9





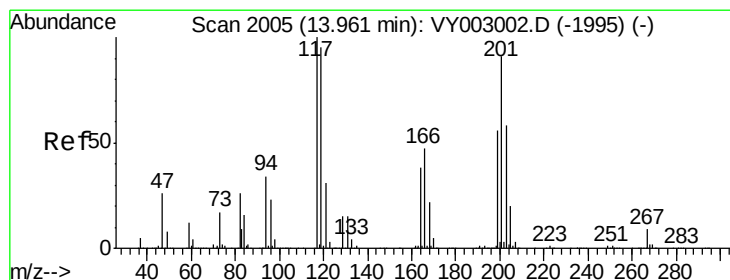
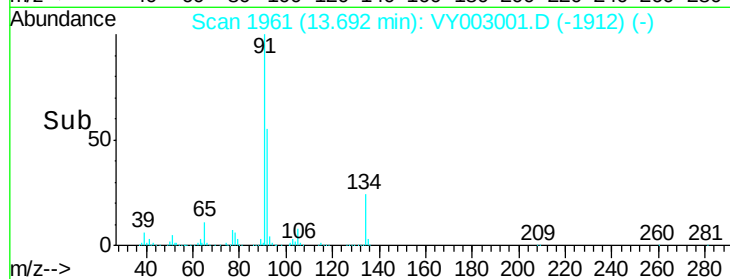
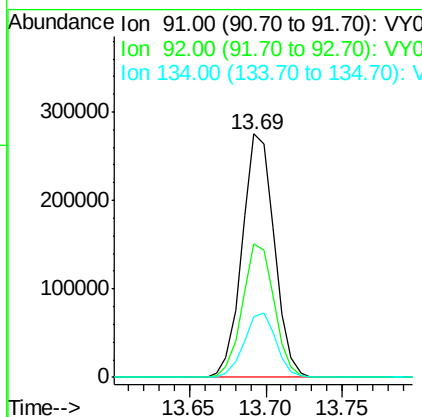
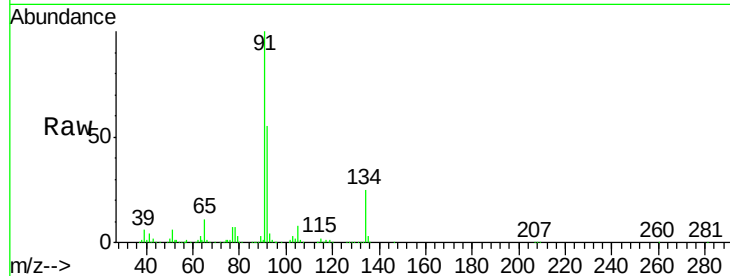
#89
n-Butylbenzene
Concen: 20.786 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	399680		
92	54.4	26.8	80.3	
134	26.2	13.1	39.1	

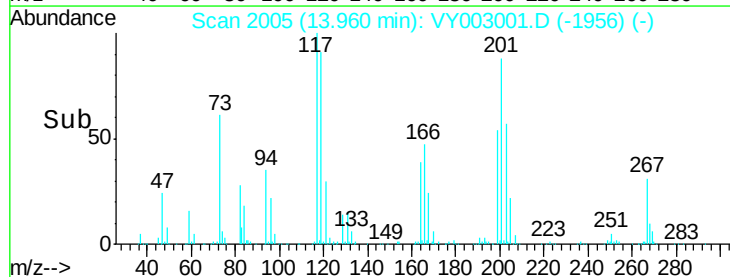
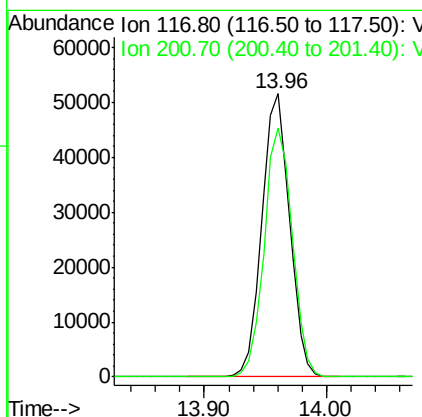
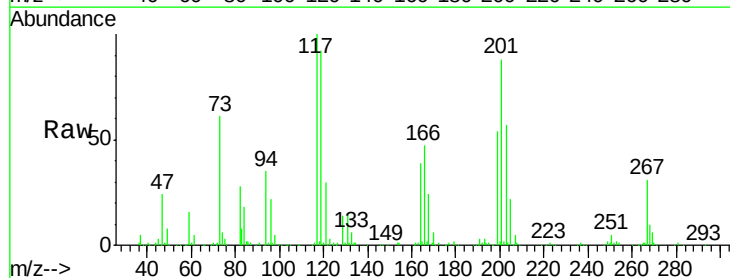
Manual Integrations
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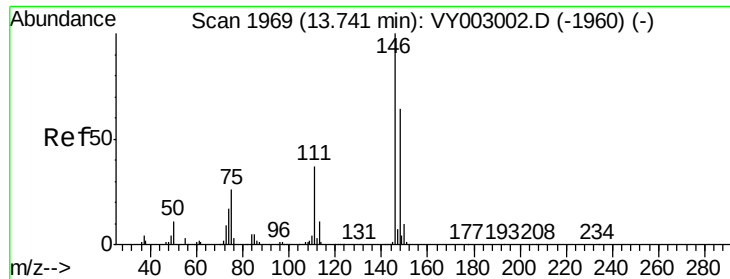
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#90
Hexachloroethane
Concen: 20.497 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	81794		
201	88.6	45.5	136.4	





#91

1,2-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Instrument :

MSVOA_Y

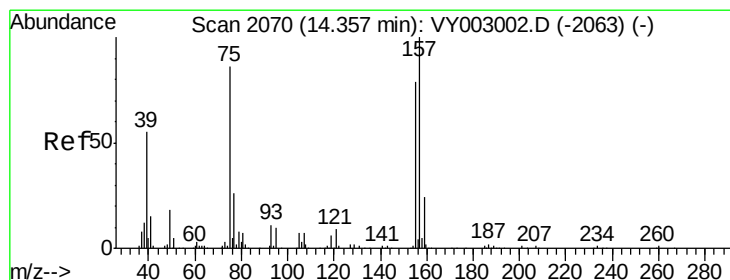
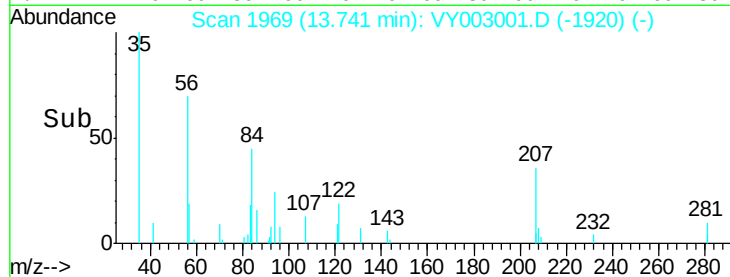
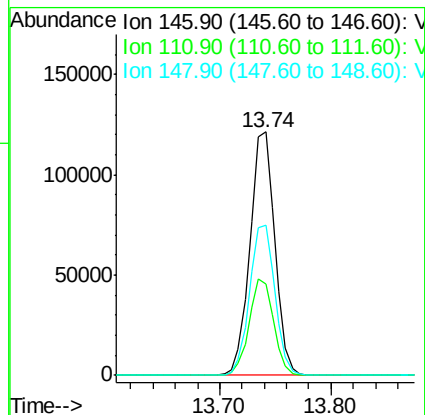
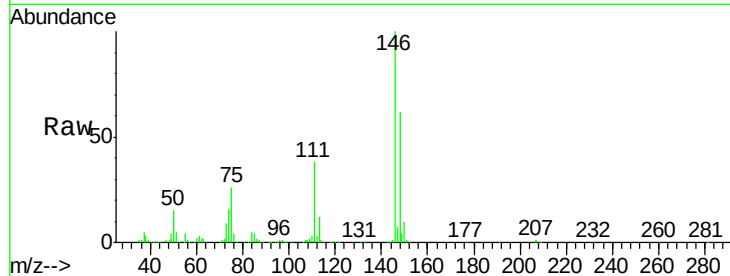
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	188487
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.5
148	63.0	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.154 ug/l

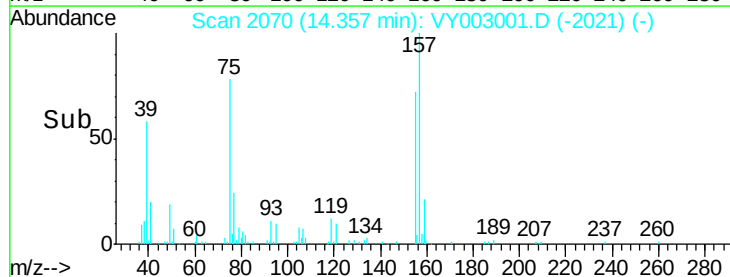
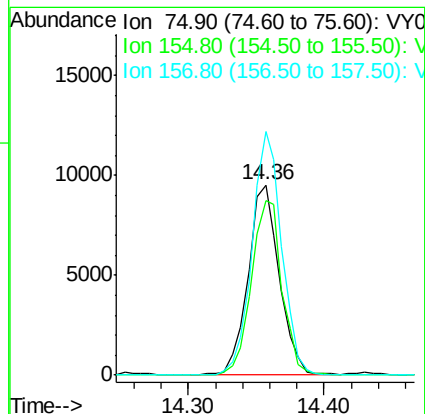
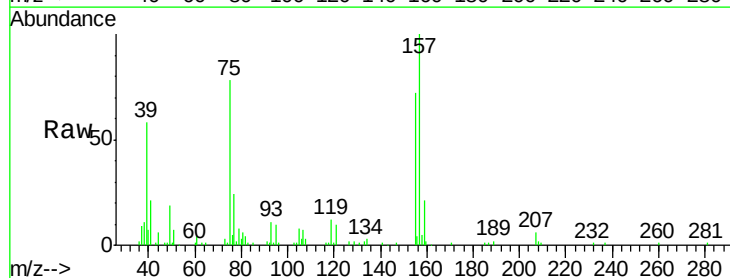
RT: 14.36 min Scan# 2070

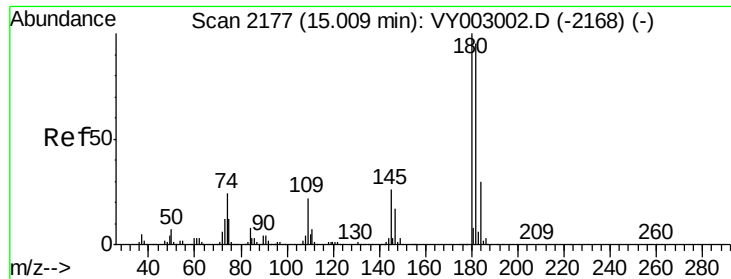
Delta R.T. -0.00 min

Lab File: VY003001.D

Acq: 29 Jun 2020 11:54

Tgt Ion:	75	Resp:	15375
Ion Ratio	Lower	Upper	
75	100		
155	89.8	46.5	139.3
157	120.9	59.2	177.5





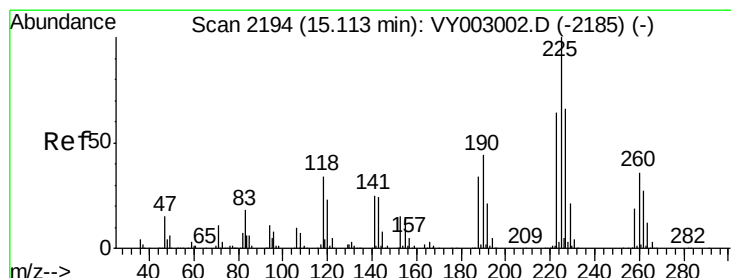
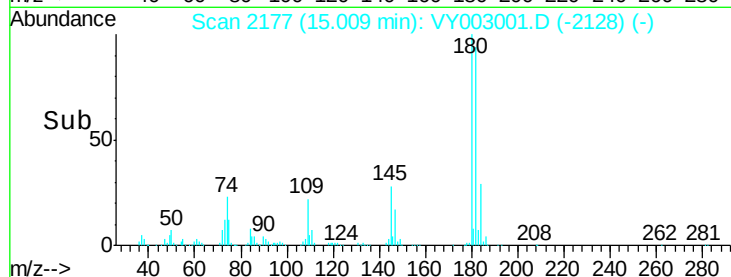
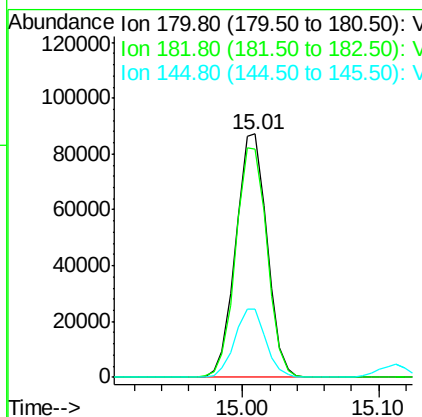
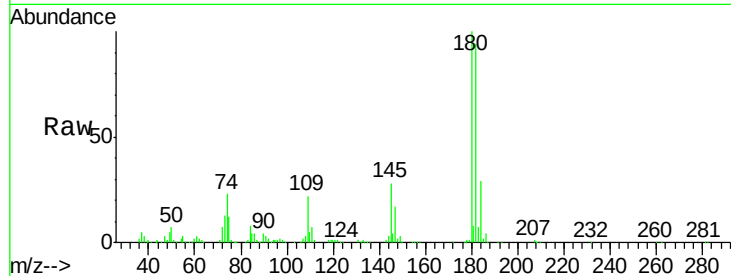
#93
 1,2,4-Trichlorobenzene
 Concen: 20.452 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139379		
182	94.7	48.1	144.3	
145	27.7	13.9	41.6	

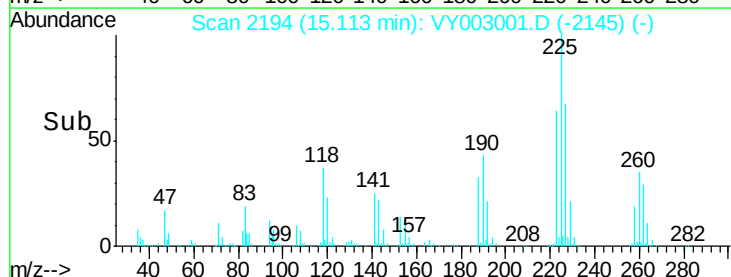
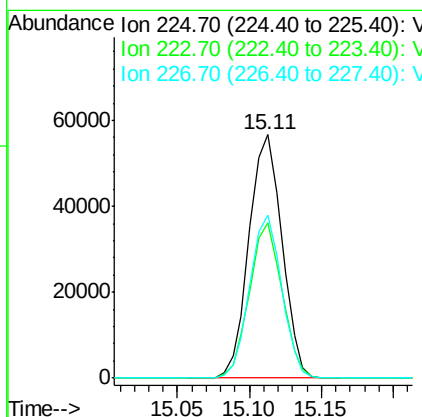
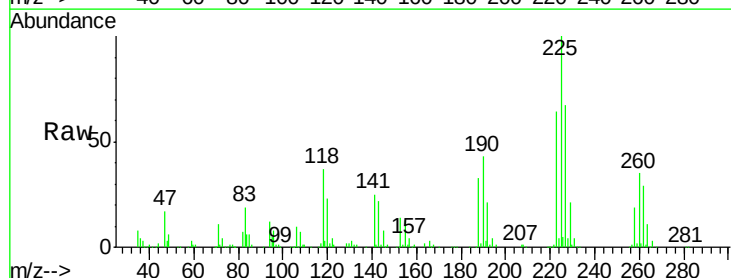
Manual Integrations
 APPROVED

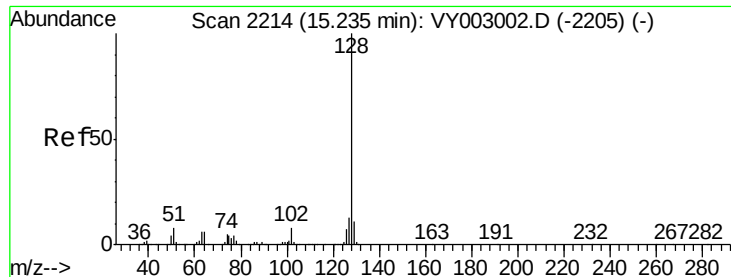
MMDadoda
 6/30/2020 12:54:05 PM



#94
 Hexachlorobutadiene
 Concen: 20.918 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003001.D
 Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89918		
223	63.2	32.4	97.0	
227	64.7	32.4	97.2	





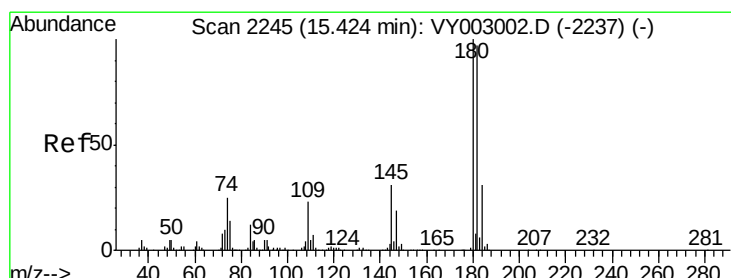
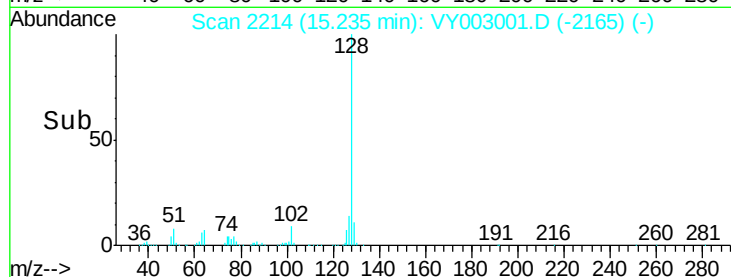
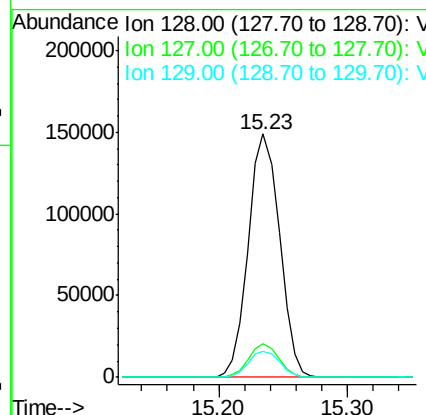
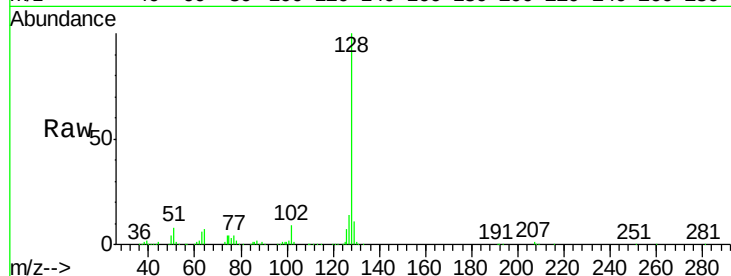
#95
Naphthalene
Concen: 20.046 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	249530		
127	13.3		10.8	16.2
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:54:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.862 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003001.D
Acq: 29 Jun 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117535		
182	98.0		47.8	143.3
145	30.0		14.7	44.1

