

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001483.D
 Acq On : 04 Feb 2020 13:38
 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
 2/5/2020 12:23:38 PM

Quant Time: Feb 04 15:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	234661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	408603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	170125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	45498	18.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.36%	
35) Dibromofluoromethane	7.74	113	49515	20.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.54%	
50) Toluene-d8	10.19	98	164598	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
62) 4-Bromofluorobenzene	12.49	95	74602	20.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47546	24.538	ug/l	97
3) Chloromethane	2.12	50	49862	18.151	ug/l	99
4) Vinyl Chloride	2.26	62	52952	18.525	ug/l	99
5) Bromomethane	2.65	94	31646	16.472	ug/l	95
6) Chloroethane	2.80	64	31602	17.435	ug/l	99
7) Trichlorofluoromethane	3.14	101	86286	22.668	ug/l	100
8) Diethyl Ether	3.55	74	29034	18.772	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	51926	21.645	ug/l	99
10) Methyl Iodide	4.11	142	65194	20.768	ug/l	100
11) Tert butyl alcohol	4.98	59	37051	97.964	ug/l #	92
12) 1,1-Dichloroethene	3.89	96	52495	20.977	ug/l	97
13) Acrolein	3.75	56	22921	104.573	ug/l	97
14) Allyl chloride	4.50	41	78167	17.997	ug/l	100
15) Acrylonitrile	5.19	53	65726	84.621	ug/l	99
16) Acetone	3.97	43	61037	83.401	ug/l	98
17) Carbon Disulfide	4.21	76	163799	20.741	ug/l	98
18) Methyl Acetate	4.50	43	29897	14.630	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	134881	18.809	ug/l	97
20) Methylene Chloride	4.74	84	62223	16.004	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	57324	19.903	ug/l	100
22) Diisopropyl ether	6.14	45	155642	17.004	ug/l	97
23) Vinyl Acetate	6.09	43	495534	83.929	ug/l	99
24) 1,1-Dichloroethane	6.05	63	94000	19.140	ug/l	99
25) 2-Butanone	7.01	43	85966	80.054	ug/l	97
26) 2,2-Dichloropropane	7.00	77	88878	20.106	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	61600	19.250	ug/l	99
28) Bromochloromethane	7.36	49	28640	14.454	ug/l	98
29) Tetrahydrofuran	7.37	42	53805	77.982	ug/l	99
30) Chloroform	7.53	83	94795	19.528	ug/l	99
31) Cyclohexane	7.80	56	94664	19.304	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	87129	21.055	ug/l	98
36) 1,1-Dichloropropene	7.94	75	78721	20.332	ug/l	98
37) Ethyl Acetate	7.10	43	36721	16.223	ug/l	99
38) Carbon Tetrachloride	7.92	117	76020	21.745	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	102132	20.507	ug/l	98
40) Benzene	8.17	78	222827	19.380	ug/l	99
41) Methacrylonitrile	7.34	41	16641m	14.399	ug/l	
42) 1,2-Dichloroethane	8.25	62	61829	19.360	ug/l	100
43) Isopropyl Acetate	8.29	43	73546	16.706	ug/l	99
44) Trichloroethene	8.95	130	59610	20.018	ug/l	99
45) 1,2-Dichloropropane	9.23	63	54443	18.915	ug/l	97
46) Dibromomethane	9.32	93	29444	18.933	ug/l	98
47) Bromodichloromethane	9.50	83	72851	19.461	ug/l	99
48) Methyl methacrylate	9.30	41	32780	16.318	ug/l	99
49) 1,4-Dioxane	9.31	88	7832	362.680	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	180153	79.806	ug/l	99
52) Toluene	10.25	92	143347	19.681	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	79244	19.265	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	91429	19.282	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	42854	18.797	ug/l	99
56) Ethyl methacrylate	10.52	69	60280	17.640	ug/l	98
57) 1,3-Dichloropropane	10.80	76	75183	18.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	101121	82.762	ug/l	100
59) 2-Hexanone	10.84	43	129130	81.801	ug/l	100
60) Dibromochloromethane	10.99	129	49595	19.218	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42374	19.553	ug/l	100
64) Tetrachloroethene	10.72	164	48914	21.028	ug/l	98
65) Chlorobenzene	11.52	112	148132	19.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	53292	20.683	ug/l	98
67) Ethyl Benzene	11.60	91	280312	20.169	ug/l	98
68) m/p-Xylenes	11.70	106	210551	40.591	ug/l	100
69) o-Xylene	12.03	106	99442	19.952	ug/l	99
70) Styrene	12.05	104	169496	19.451	ug/l	100
71) Bromoform	12.21	173	28799	18.904	ug/l	# 100
73) Isopropylbenzene	12.33	105	268641	19.976	ug/l	100
74) N-amyl acetate	12.14	43	67245	15.920	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	50450	17.989	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	40620m	20.175	ug/l	
77) Bromobenzene	12.61	156	57769	19.463	ug/l	98
78) n-propylbenzene	12.67	91	321855	19.946	ug/l	99
79) 2-Chlorotoluene	12.76	91	182841	19.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	229960	20.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19054	17.939	ug/l	96
82) 4-Chlorotoluene	12.86	91	193913	19.742	ug/l	98
83) tert-Butylbenzene	13.08	119	191391	20.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	226597	20.125	ug/l	100
85) sec-Butylbenzene	13.25	105	271229	20.228	ug/l	100
86) p-Isopropyltoluene	13.37	119	244526	20.655	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	113129	19.885	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	112223	19.415	ug/l	99
89) n-Butylbenzene	13.70	91	241432	20.329	ug/l	100
90) Hexachloroethane	13.96	117	45288	20.183	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	101652	19.410	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8986	18.383	ug/l	99

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VSTDICC020

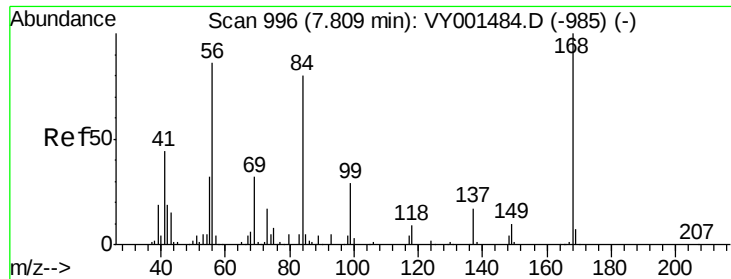
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:38 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	69065	19.566	ug/l	100
94) Hexachlorobutadiene	15.11	225	35695	20.649	ug/l	99
95) Naphthalene	15.24	128	156289	19.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	61259	19.870	ug/l	97

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



#1

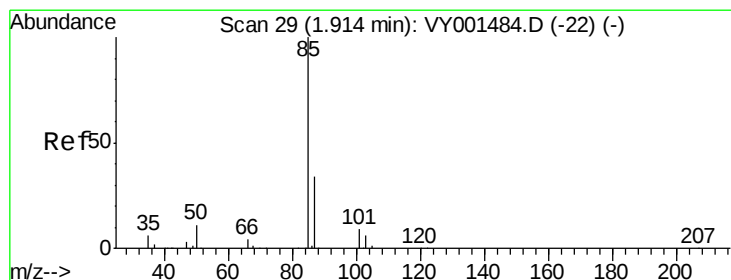
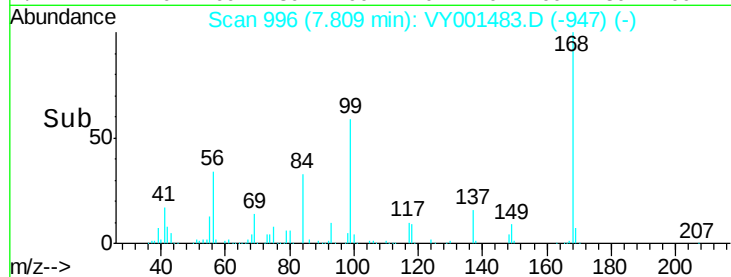
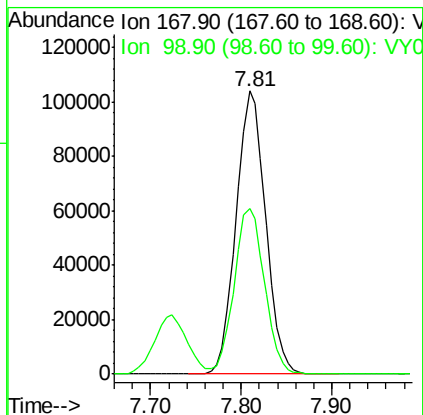
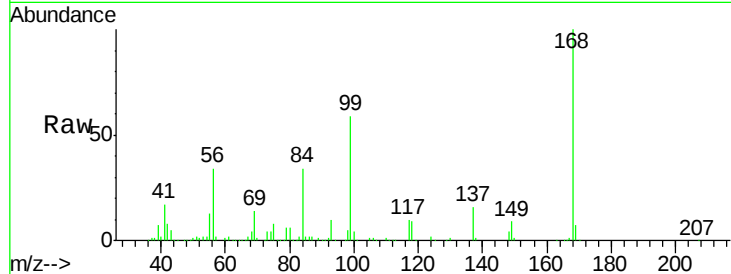
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.7	48.2	72.4

Manual Integrations
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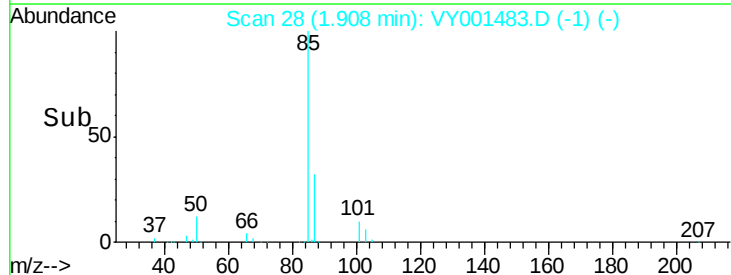
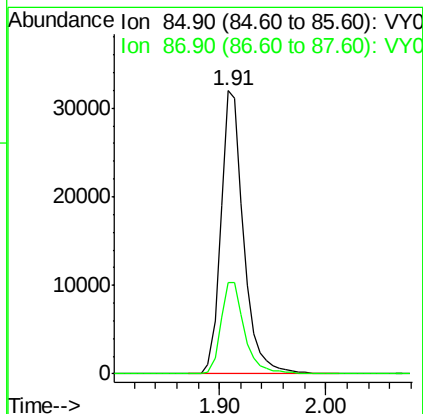
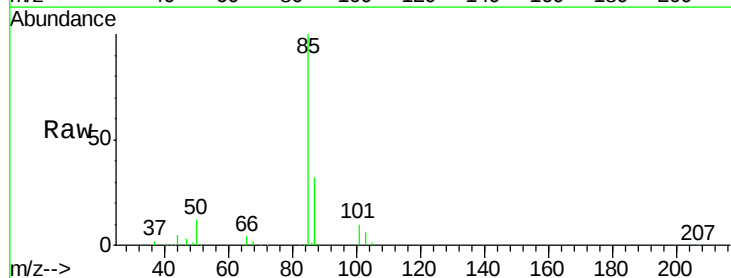
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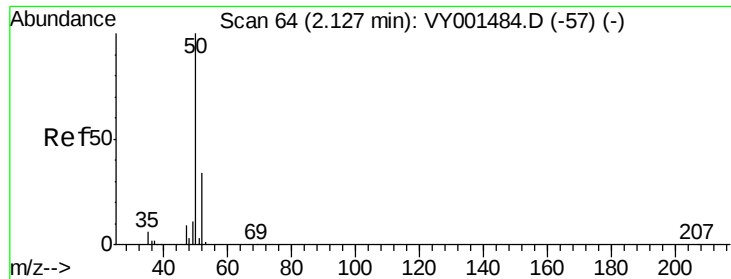


#2

Dichlorodifluoromethane
 Concen: 24.538 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.0	50.9





#3

Chloromethane

Concen: 18.151 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 49862

Ion Ratio Lower Upper

50 100

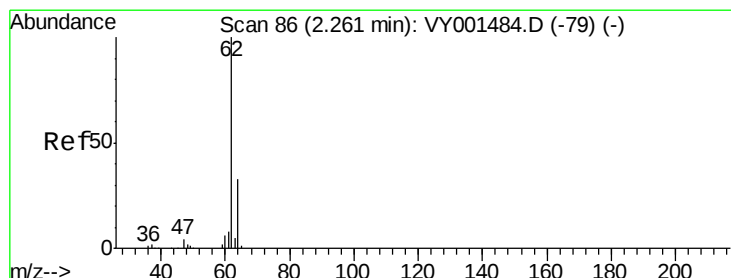
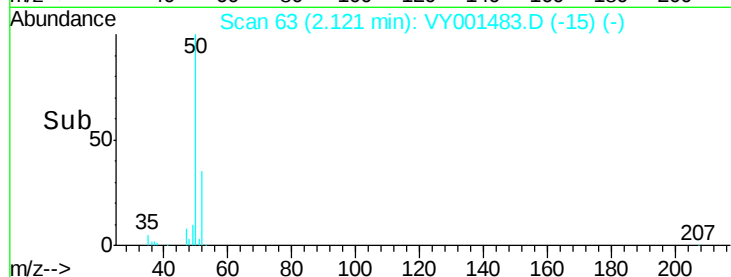
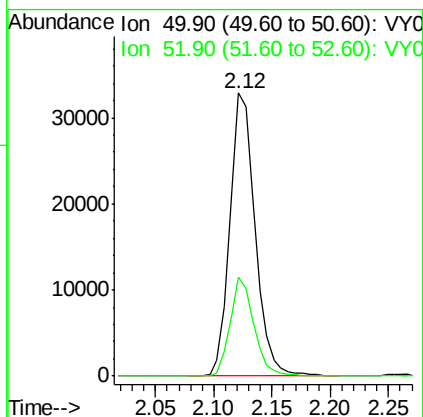
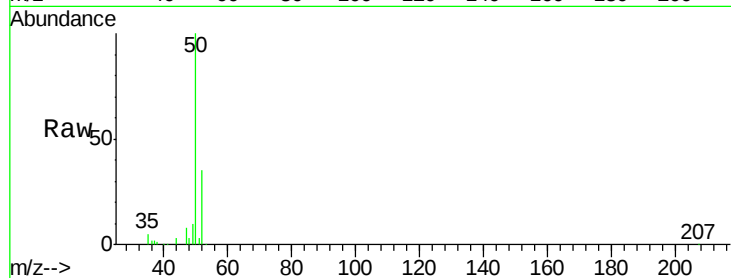
52 35.0 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.525 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001483.D

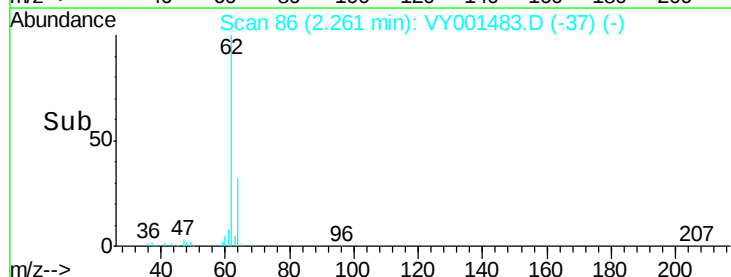
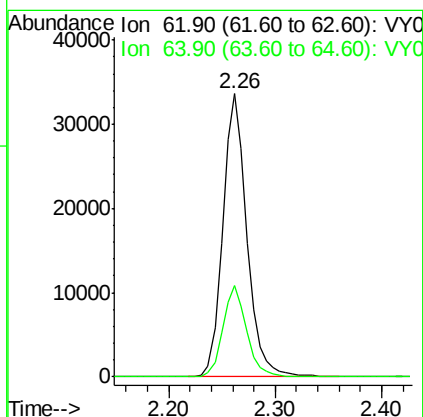
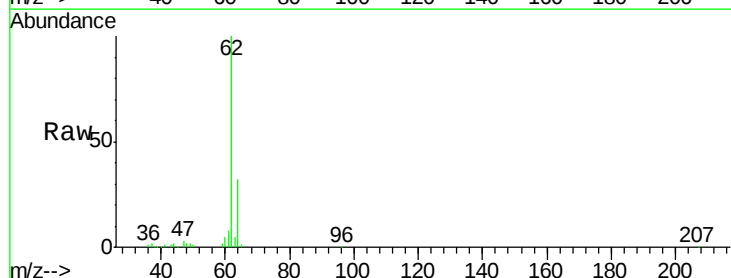
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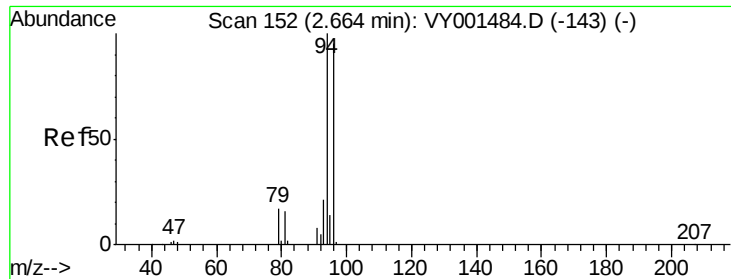
Tgt Ion: 62 Resp: 52952

Ion Ratio Lower Upper

62 100

64 32.2 26.4 39.6





#5

Bromomethane

Concen: 16.472 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 31646

Ion Ratio Lower Upper

94 100

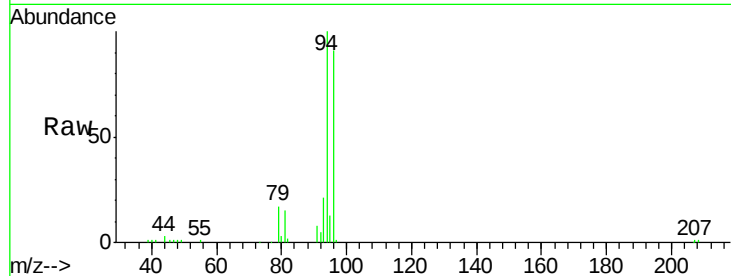
96 90.6 76.2 114.2

Manual Integrations

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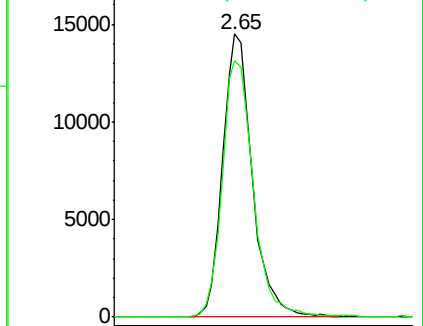
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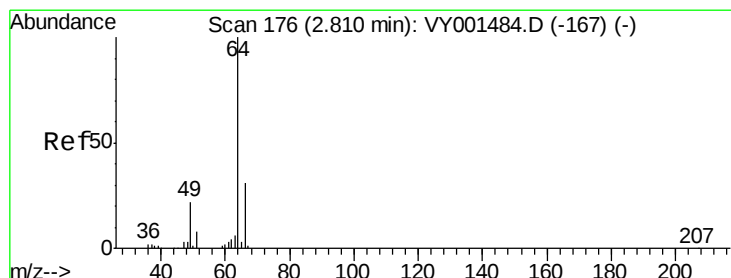
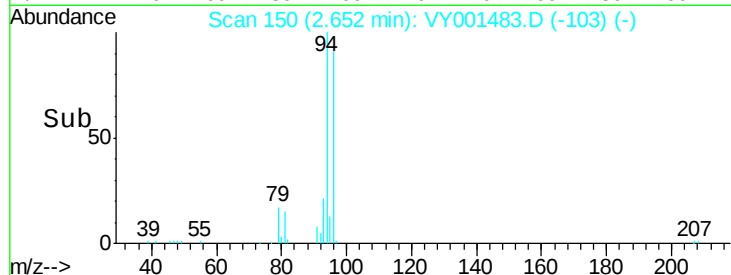


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 17.435 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001483.D

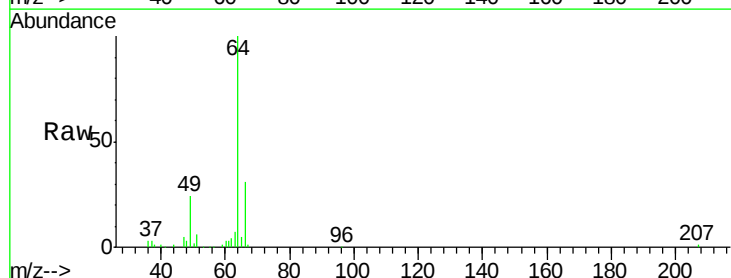
Acq: 04 Feb 2020 13:38

Tgt Ion: 64 Resp: 31602

Ion Ratio Lower Upper

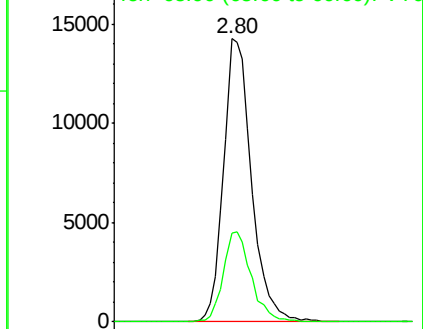
64 100

66 31.4 24.5 36.7

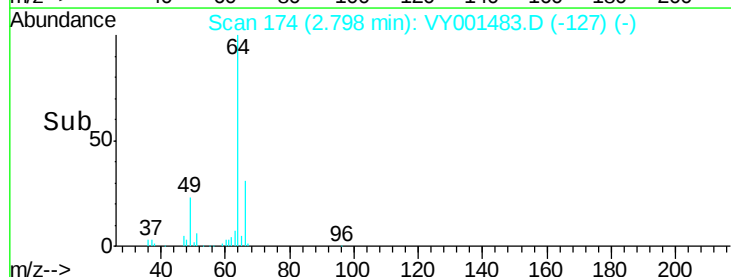


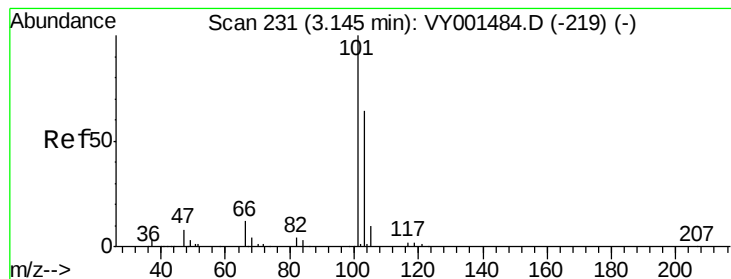
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

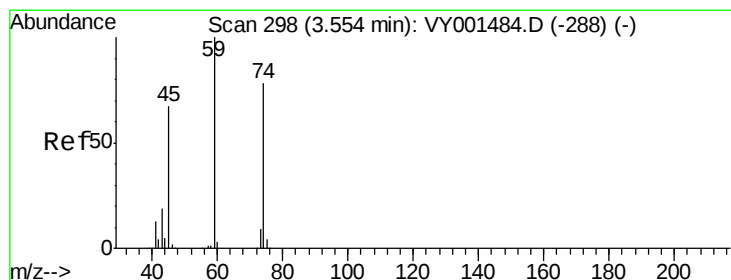
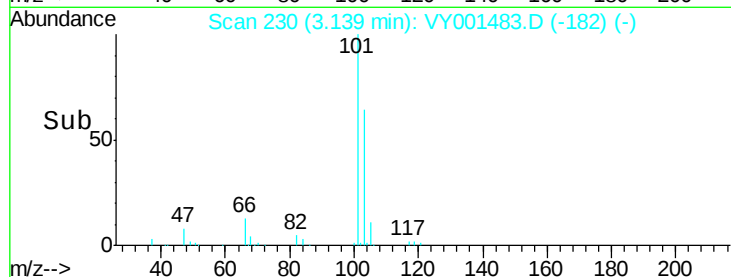
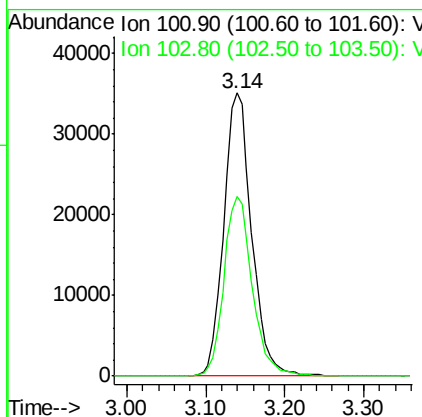
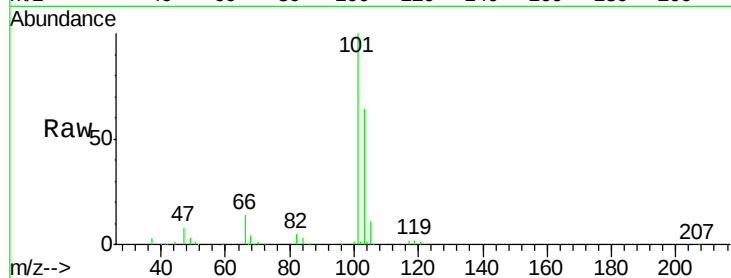
Trichlorofluoromethane
 Concen: 22.668 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

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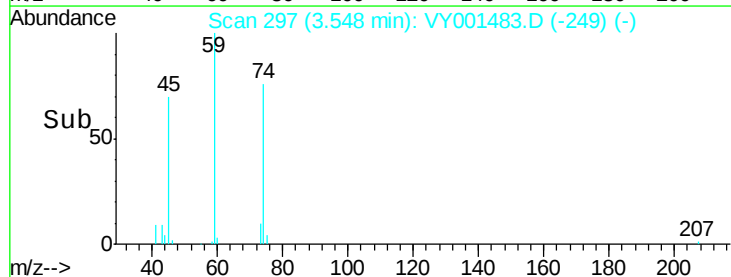
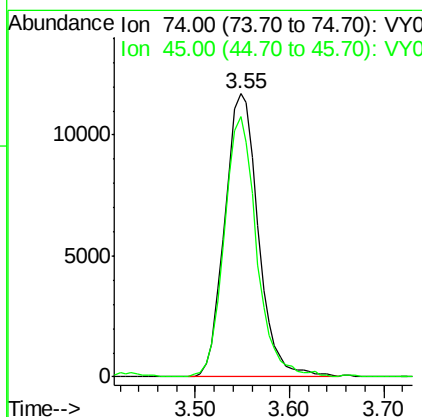
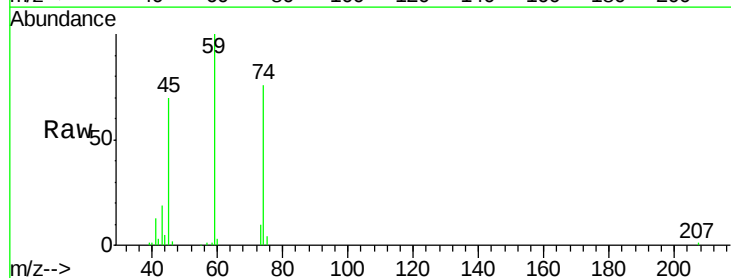
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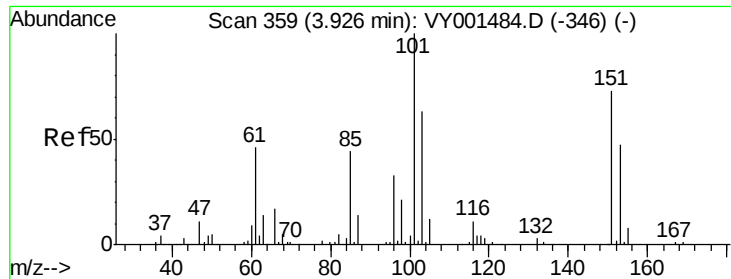


#8

Diethyl Ether
 Concen: 18.772 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.645 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

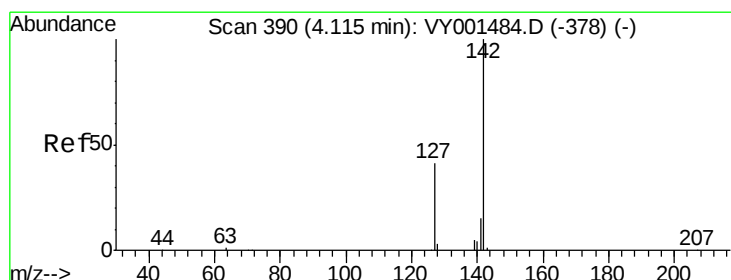
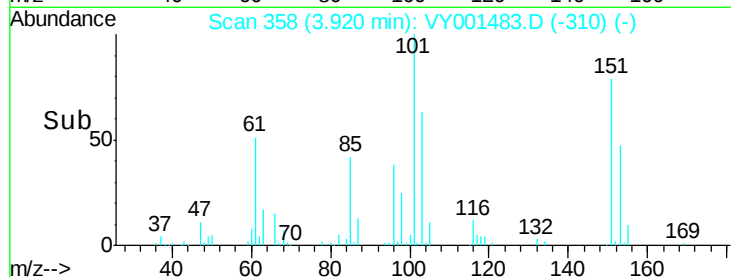
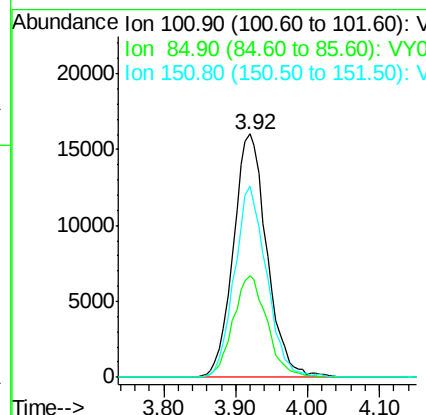
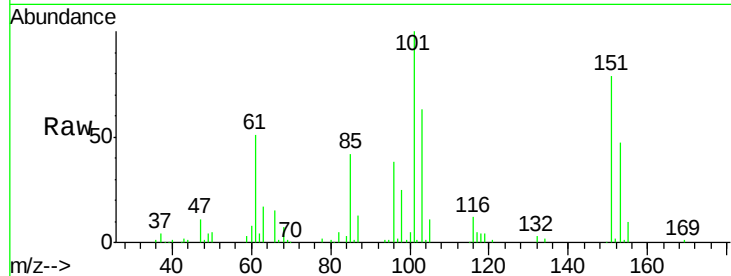
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	51926
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.6	51.8
151	75.3	60.3	90.5

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#10

Methyl Iodide

Concen: 20.768 ug/l

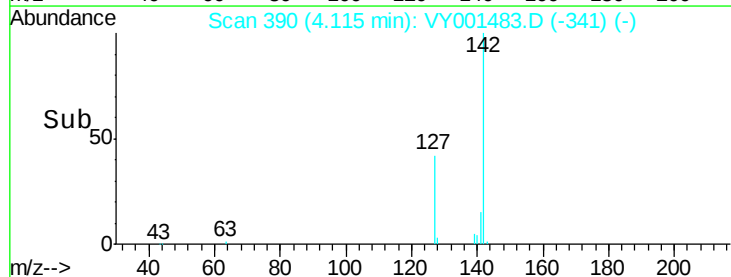
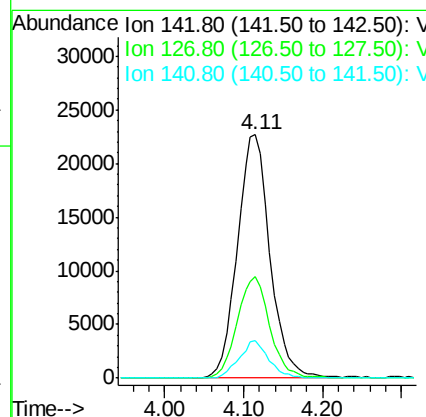
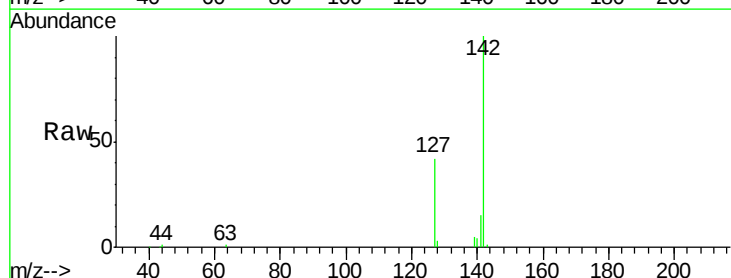
RT: 4.11 min Scan# 390

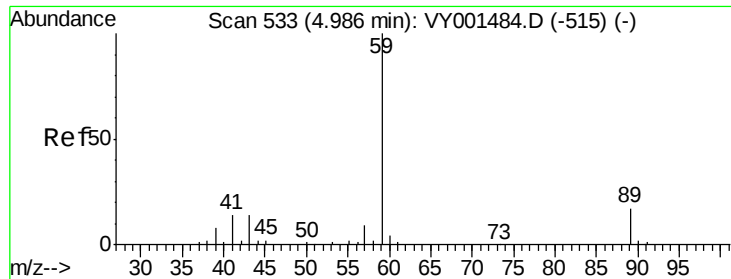
Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion:	142	Resp:	65194
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.3	49.9
141	14.0	11.5	17.3





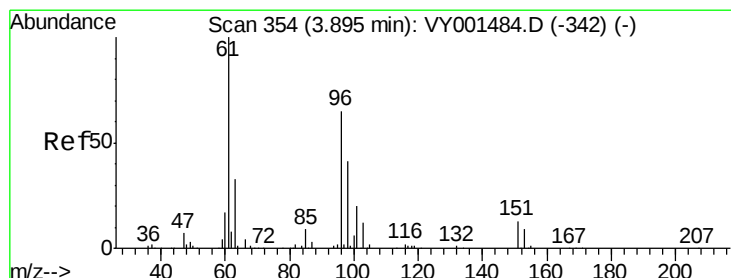
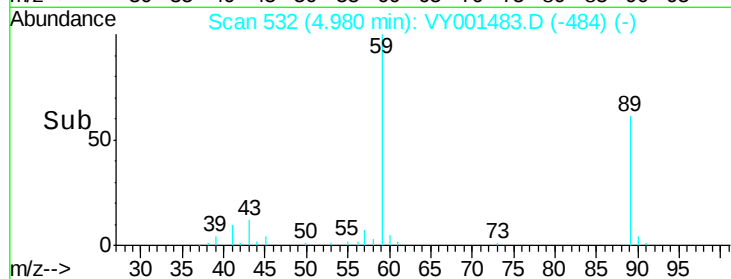
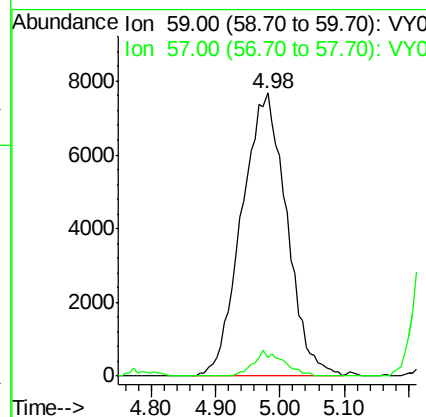
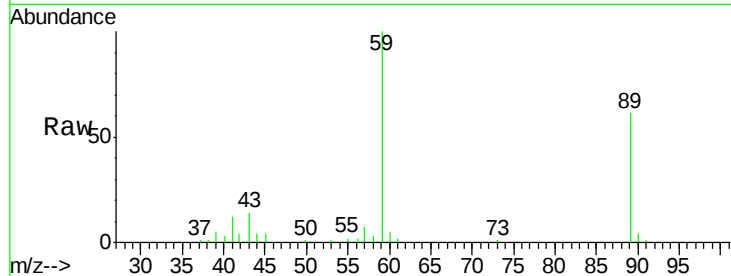
#11
Tert butyl alcohol
Concen: 97.964 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion: 59 Resp: 37051
Ion Ratio Lower Upper
59 100
57 6.1 7.0 10.6#

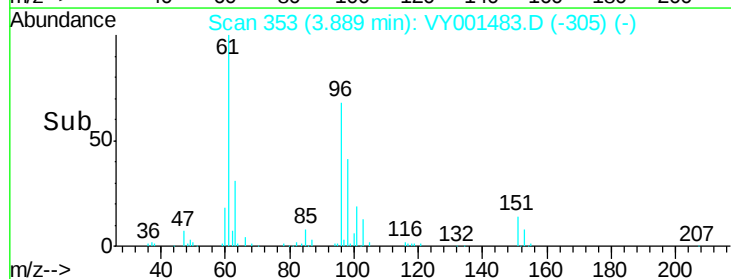
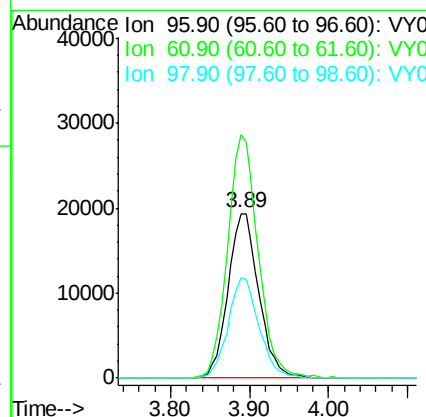
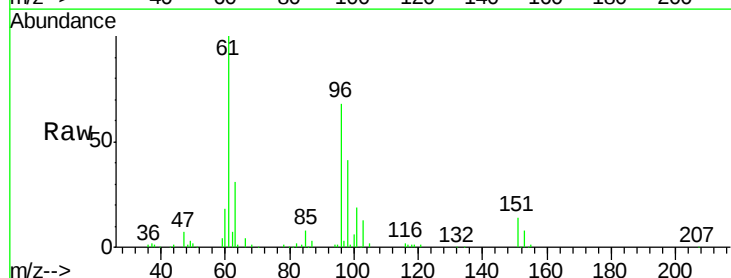
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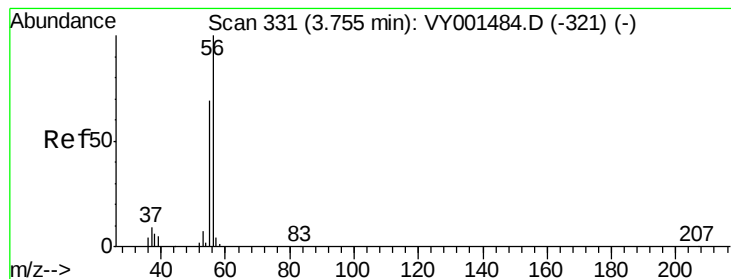
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.977 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 96 Resp: 52495
Ion Ratio Lower Upper
96 100
61 148.1 122.3 183.5
98 61.1 49.7 74.5





#13

Acrolein

Concen: 104.573 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 22921

Ion Ratio Lower Upper

56 100

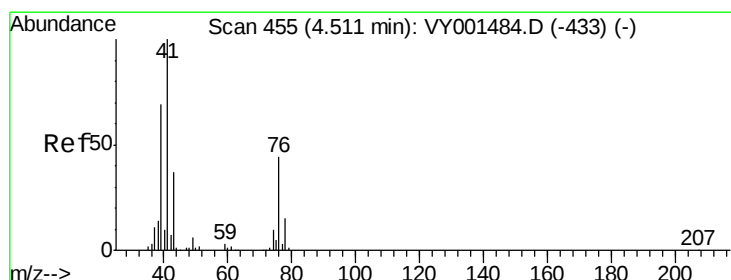
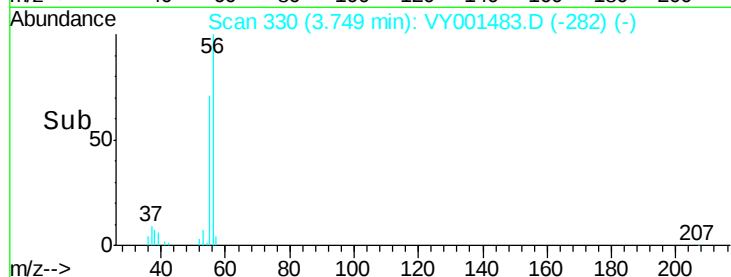
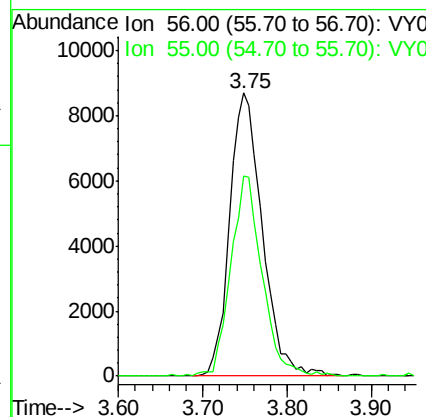
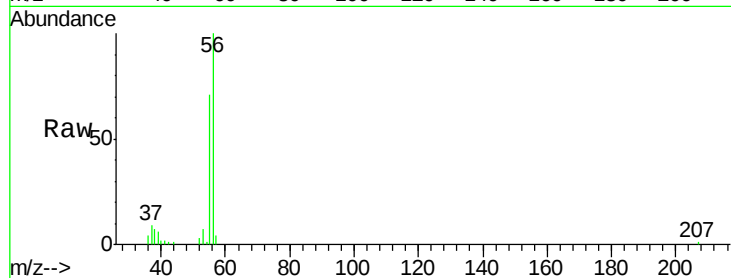
55 67.7 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.997 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

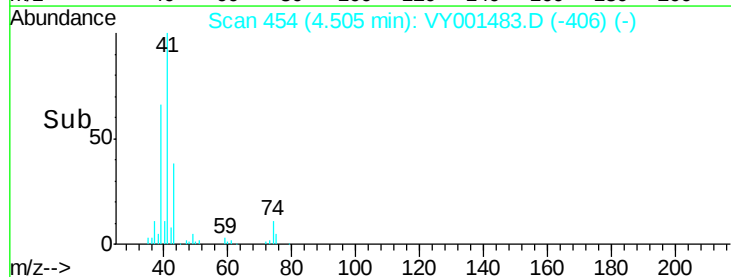
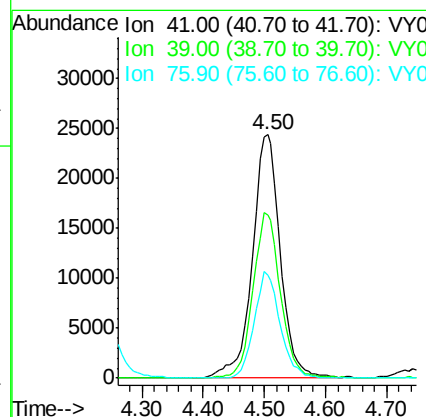
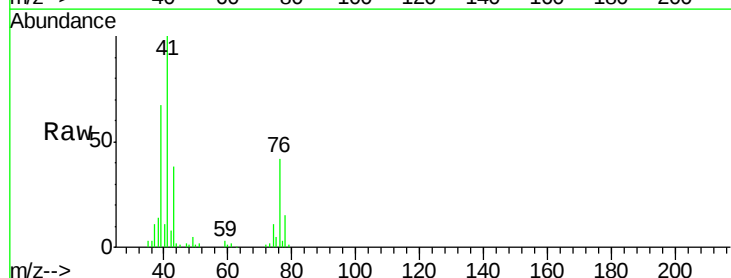
Tgt Ion: 41 Resp: 78167

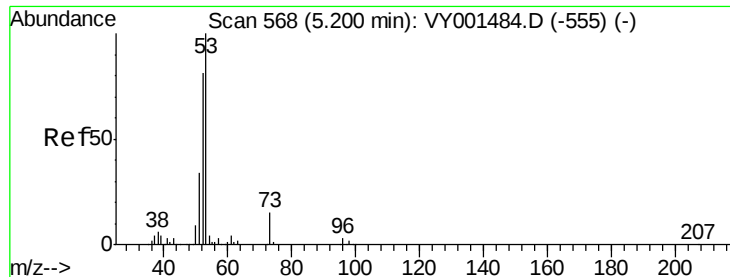
Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

76 40.4 32.6 48.8





#15

Acrylonitrile

Concen: 84.621 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

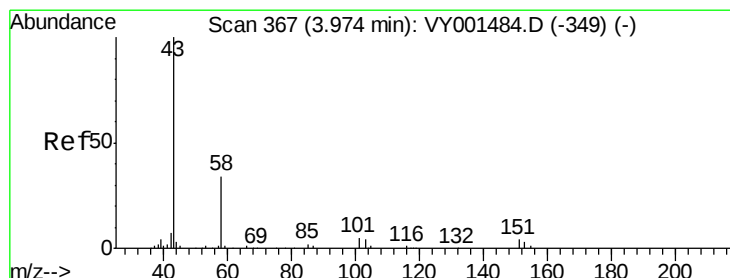
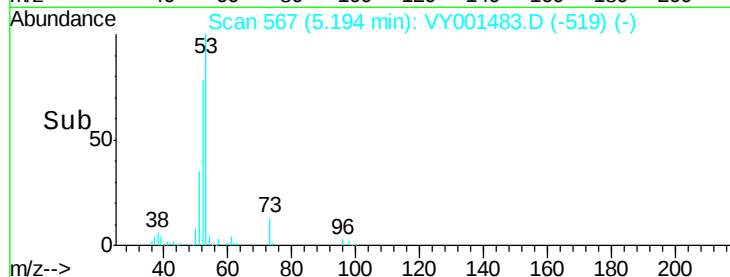
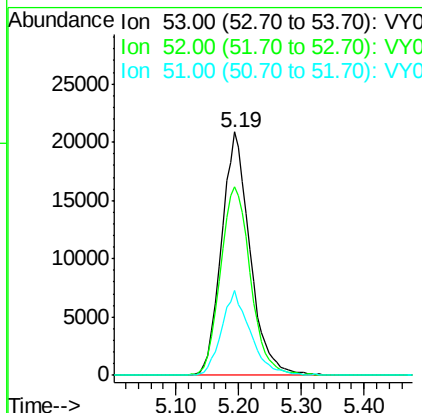
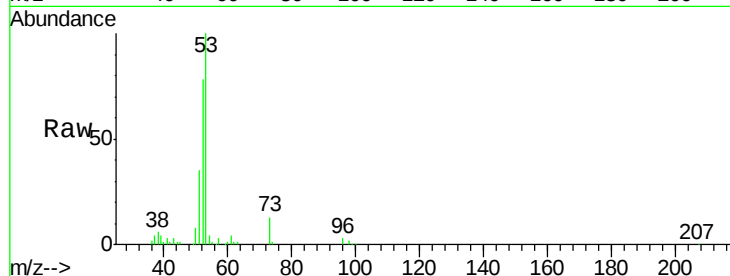
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	65726
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.2
51	35.1	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 83.401 ug/l

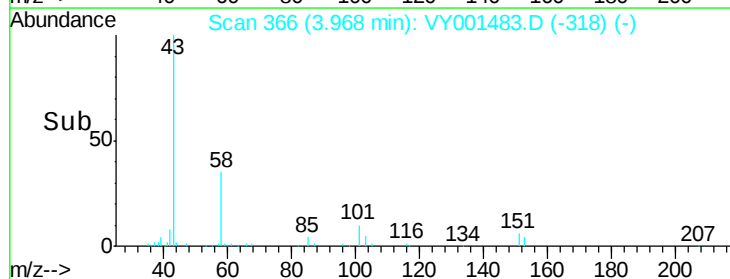
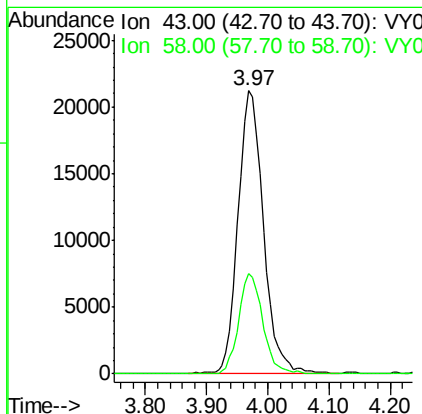
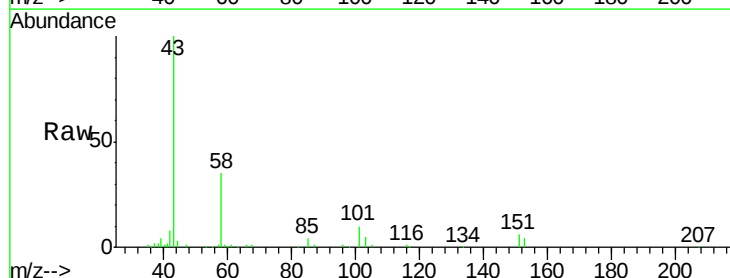
RT: 3.97 min Scan# 366

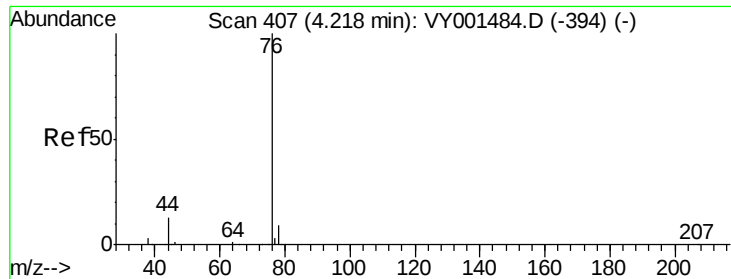
Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion:	43	Resp:	61037
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.5	41.3





#17

Carbon Disulfide

Concen: 20.741 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 163799

Ion Ratio Lower Upper

76 100

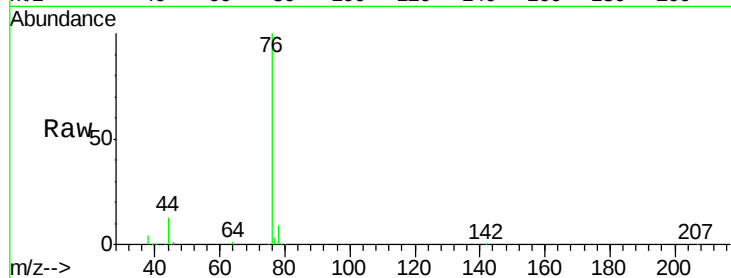
78 9.4 7.0 10.6

Manual Integrations

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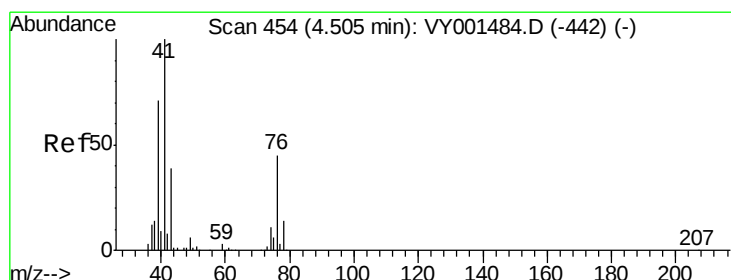
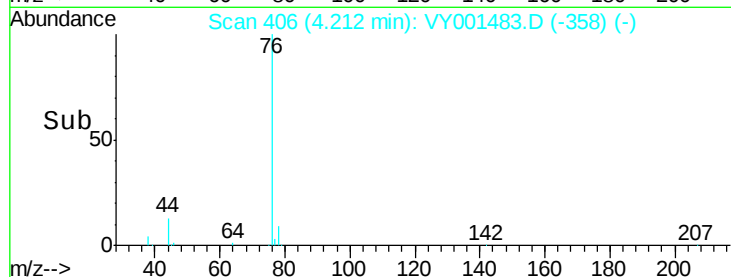
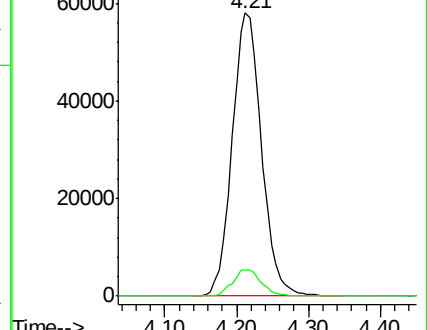
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Abundance Ion 75.90 (75.60 to 76.60): VY001483.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VY001483.D (-394) (-)



#18

Methyl Acetate

Concen: 14.630 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001483.D

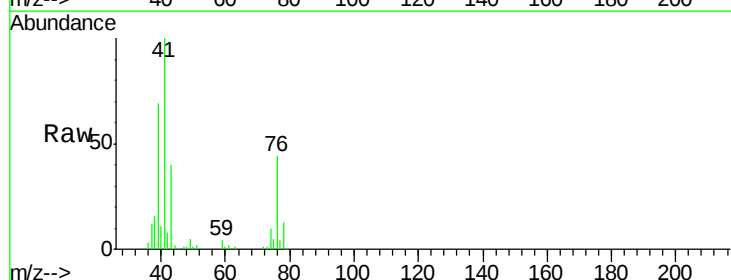
Acq: 04 Feb 2020 13:38

Tgt Ion: 43 Resp: 29897

Ion Ratio Lower Upper

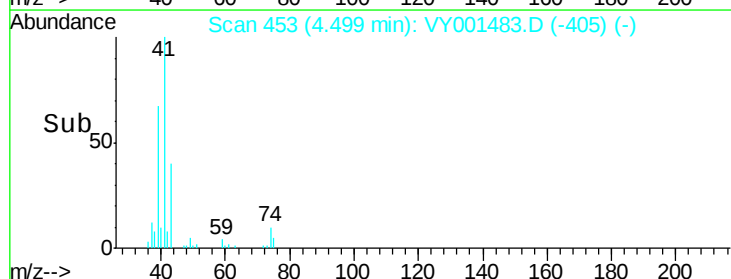
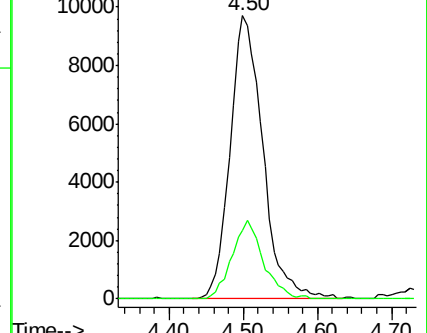
43 100

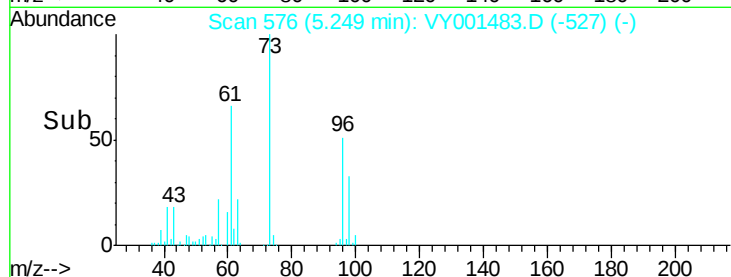
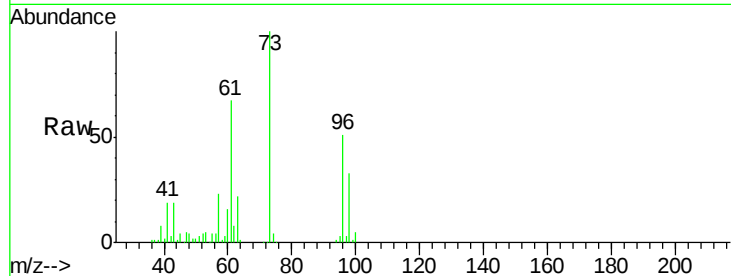
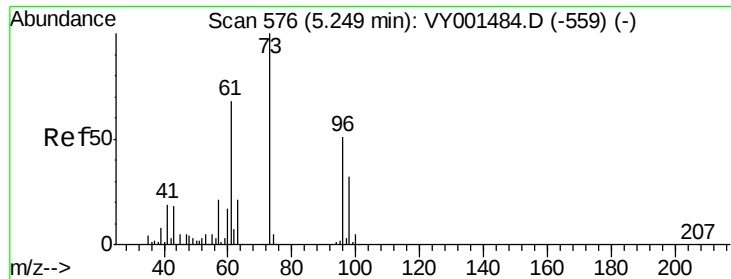
74 26.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY001483.D (-405) (-)

Ion 74.00 (73.70 to 74.70): VY001483.D (-405) (-)





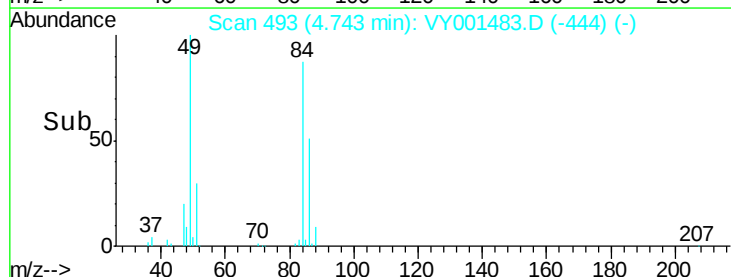
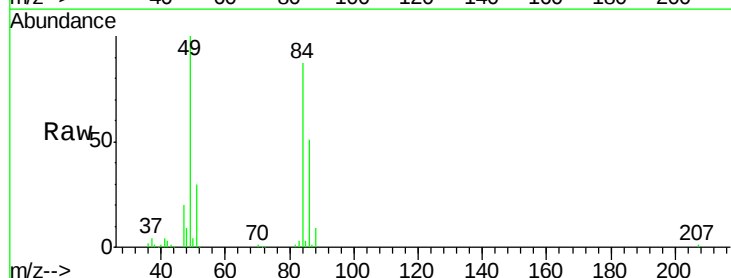
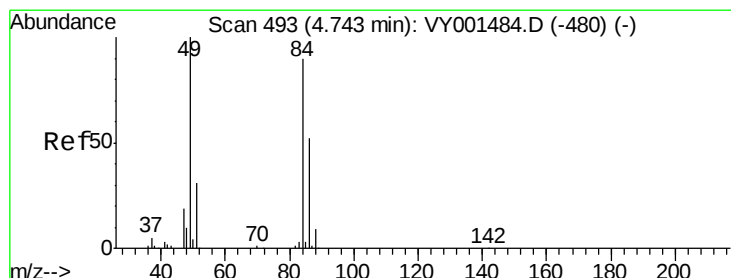
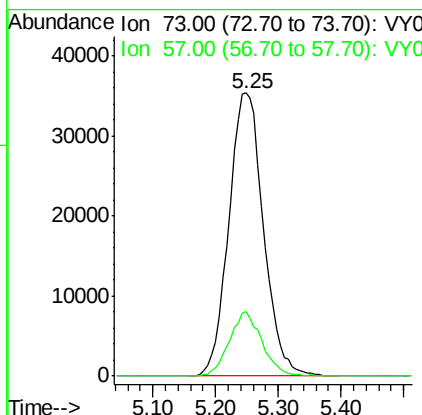
#19
Methvl tert-butvl Ether
Concen: 18.809 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tot Ion: 73 Resp: 134881
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

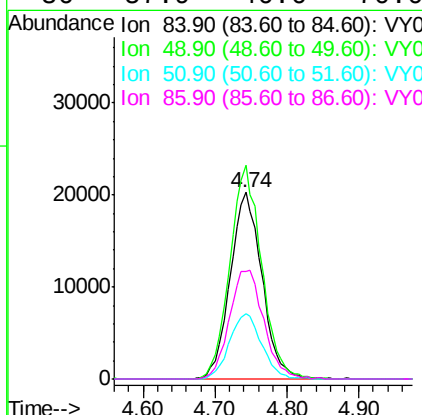
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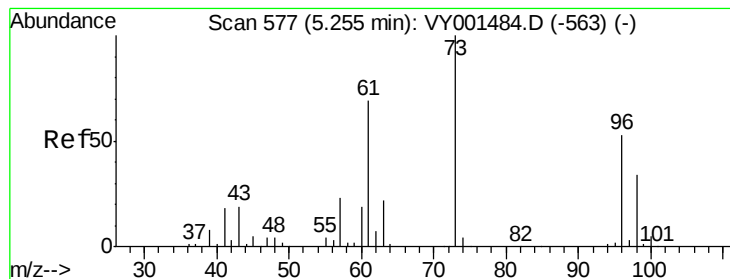
MMDadoda
2/5/2020 12:23:38 PM



#20
Methylene Chloride
Concen: 16.004 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 84 Resp: 62223
Ion Ratio Lower Upper
84 100
49 114.4 89.0 133.6
51 34.9 27.4 41.2
86 57.9 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.903 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 57324

Ion Ratio Lower Upper

96 100

61 130.0 104.2 156.4

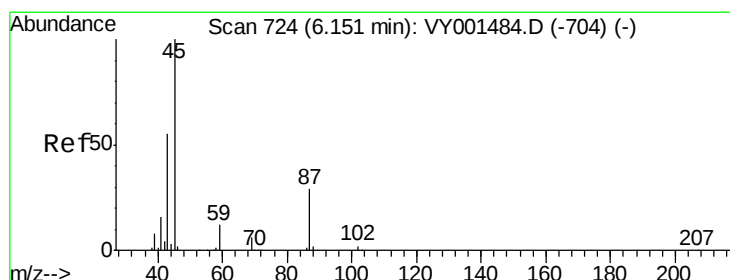
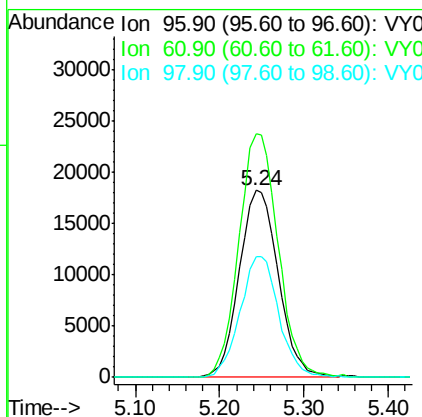
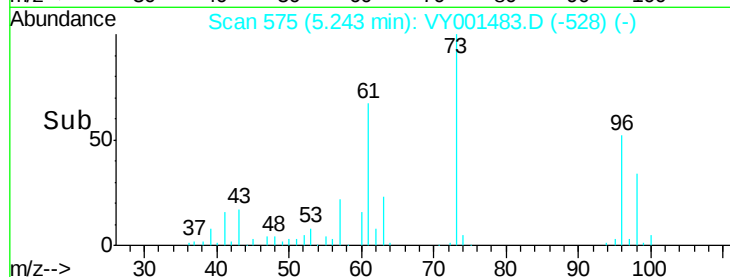
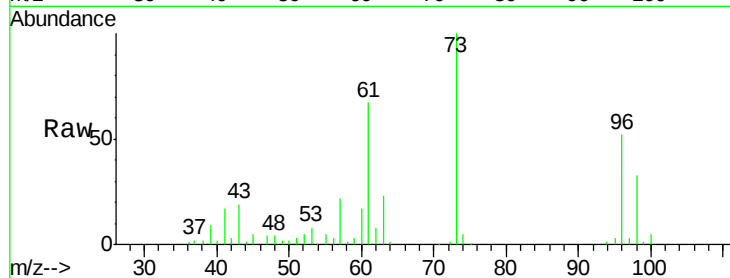
98 64.5 51.4 77.0

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#22

Diisopropyl ether

Concen: 17.004 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion: 45 Resp: 155642

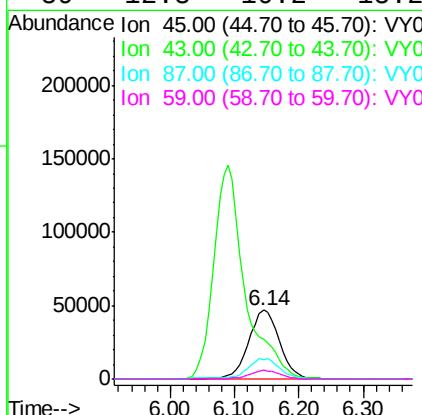
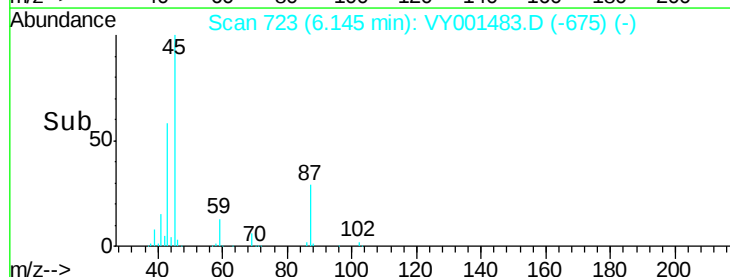
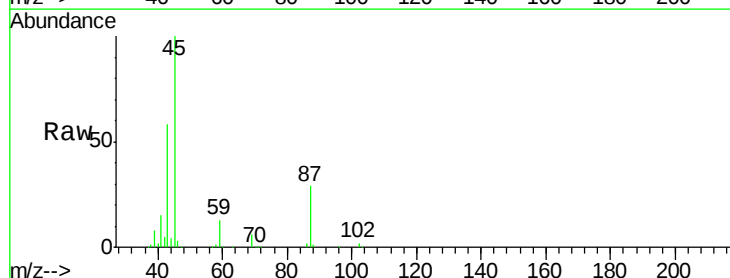
Ion Ratio Lower Upper

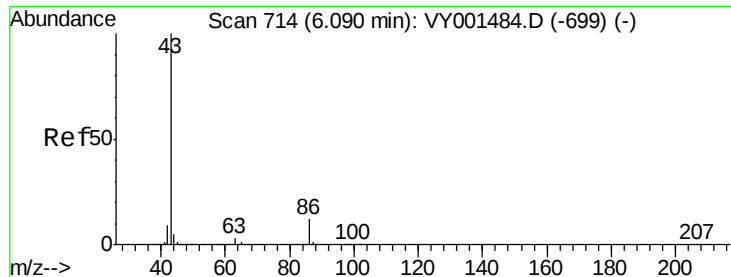
45 100

43 57.7 44.2 66.4

87 28.8 23.9 35.9

59 12.8 10.2 15.2





#23

Vinyl Acetate

Concen: 83.929 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 495534

Ion Ratio Lower Upper

43 100

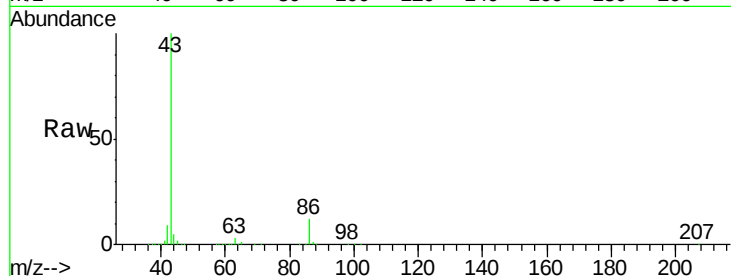
86 11.8 9.8 14.8

Manual Integrations

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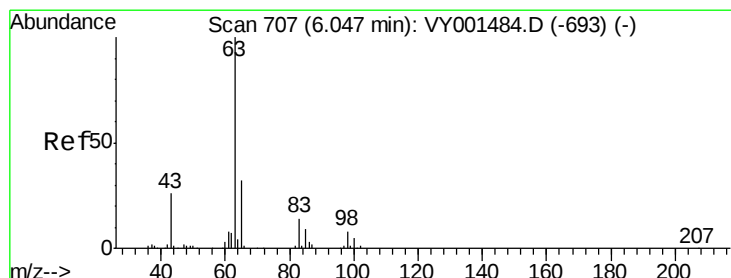
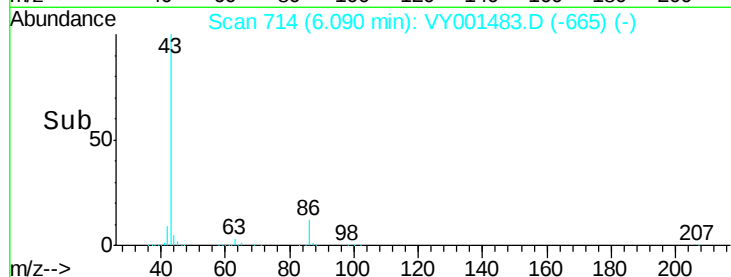
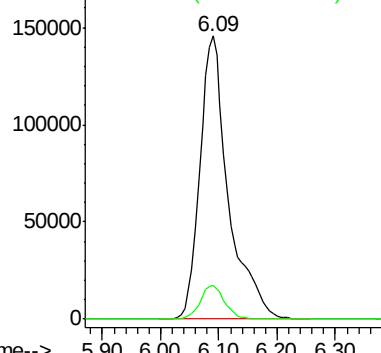
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.140 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

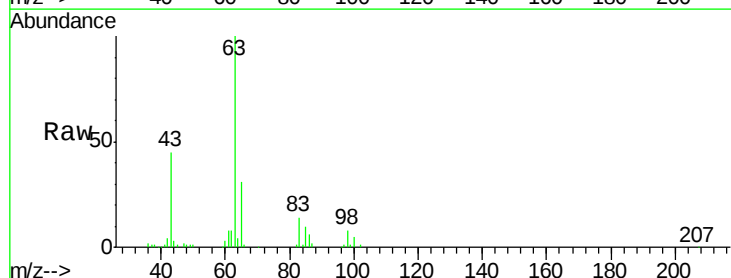
Tgt Ion: 63 Resp: 94000

Ion Ratio Lower Upper

63 100

98 8.0 4.0 11.9

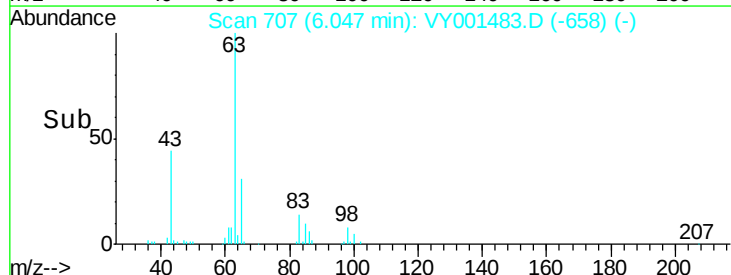
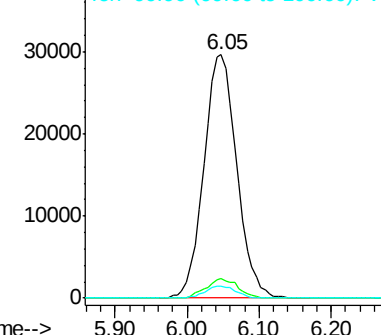
100 4.7 2.6 8.0

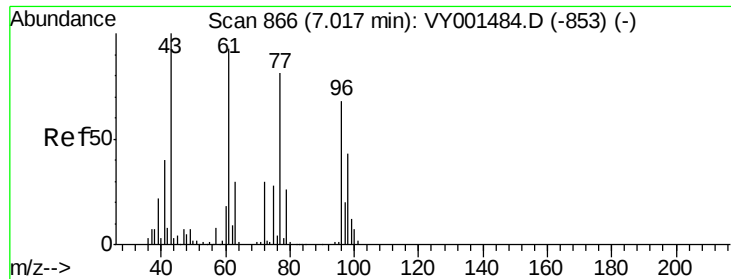


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 80.054 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 85966

Ion Ratio Lower Upper

43 100

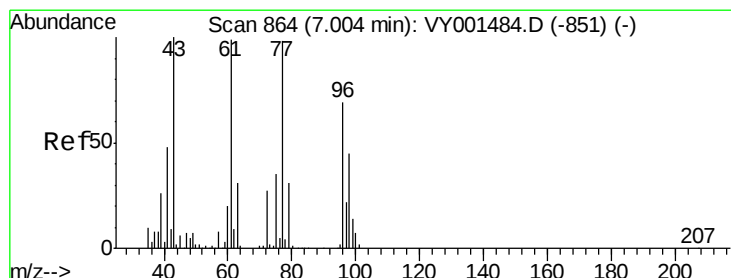
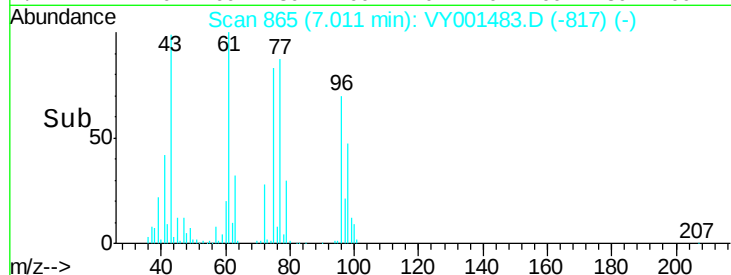
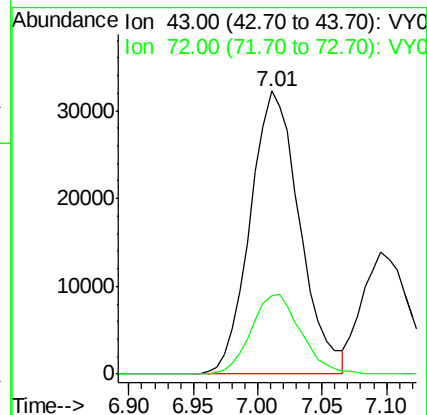
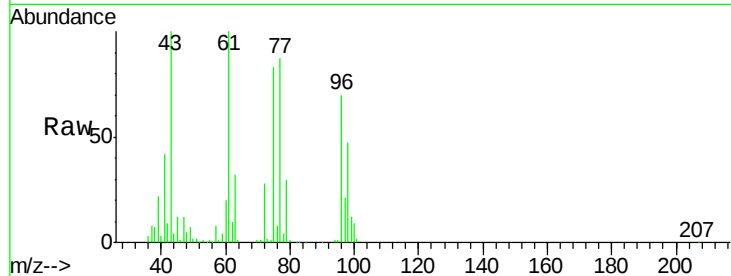
72 28.0 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.106 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001483.D

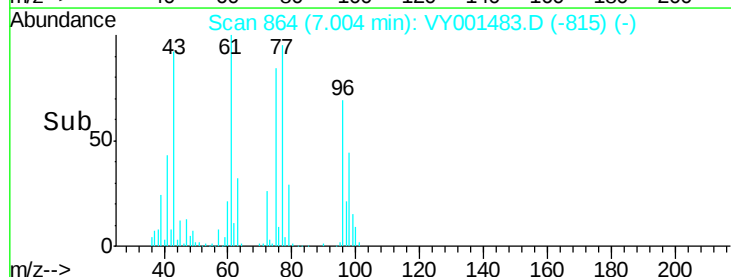
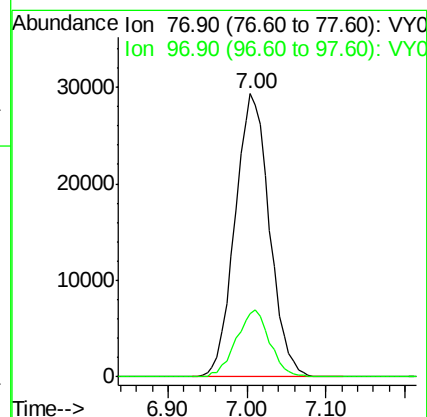
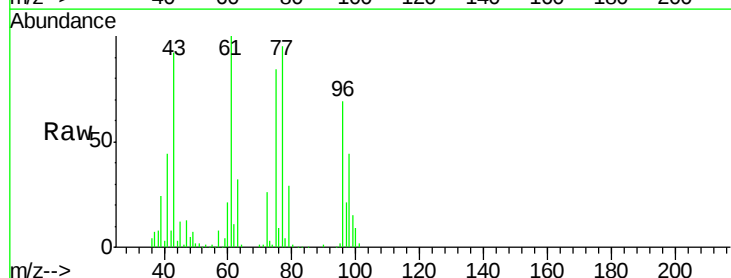
Acq: 04 Feb 2020 13:38

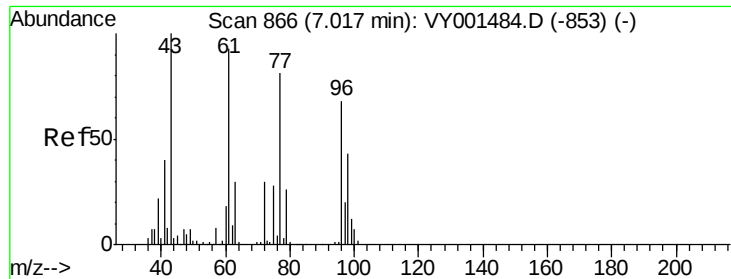
Tgt Ion: 77 Resp: 88878

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

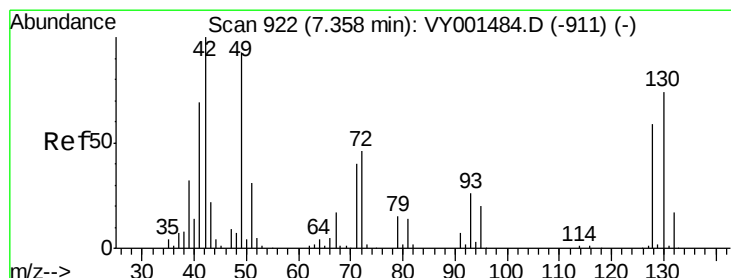
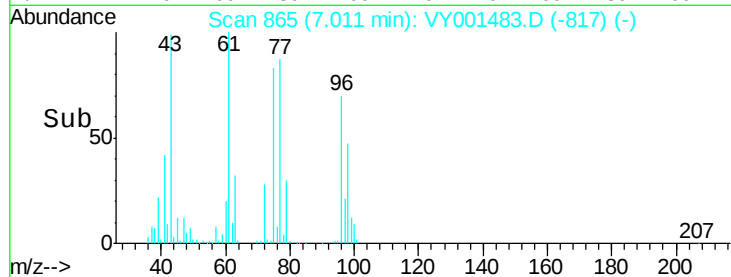
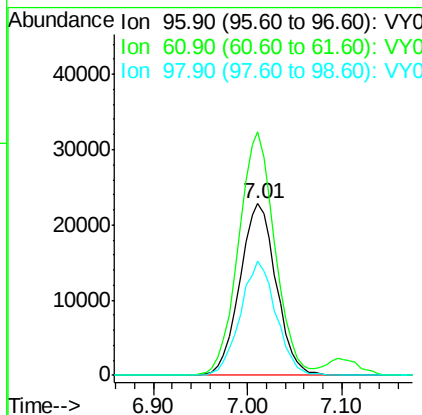
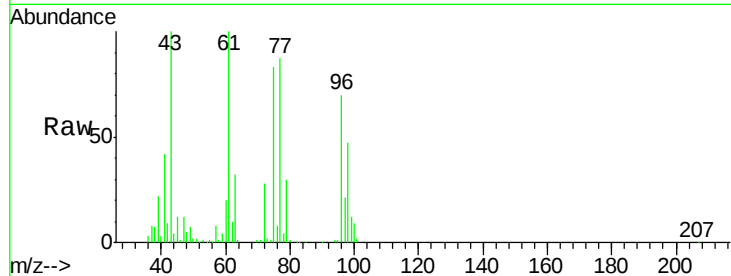
cis-1,2-Dichloroethene
Concen: 19.250 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	278.8
98	65.2	0.0	128.8

Manual Integrations
APPROVED

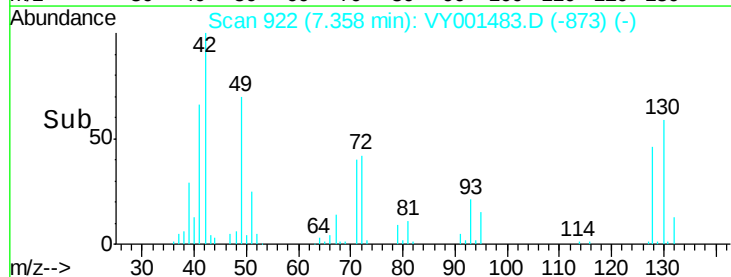
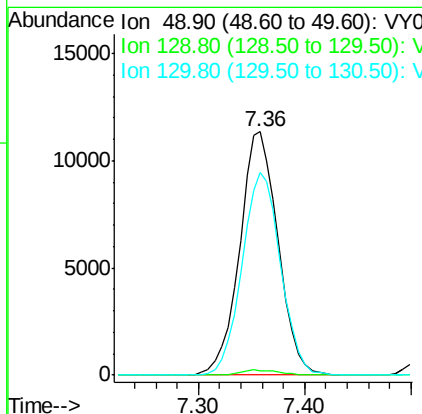
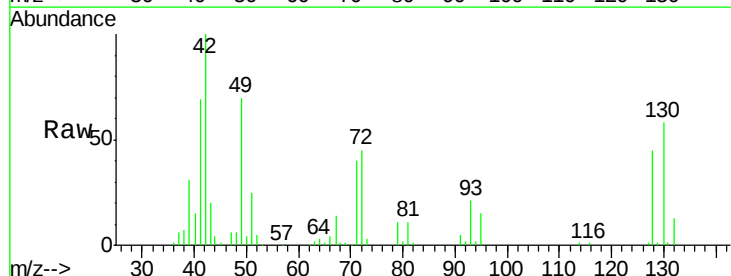
MMDadoda
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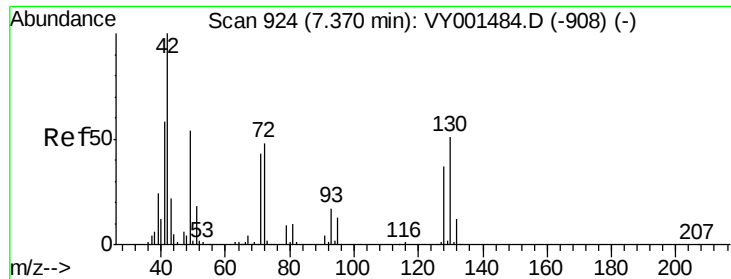


#28

Bromochloromethane
Concen: 14.454 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	83.6	65.4	98.2





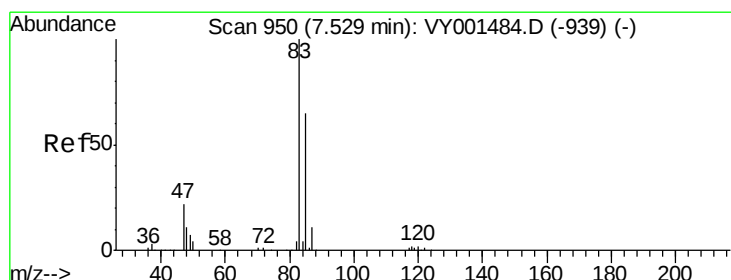
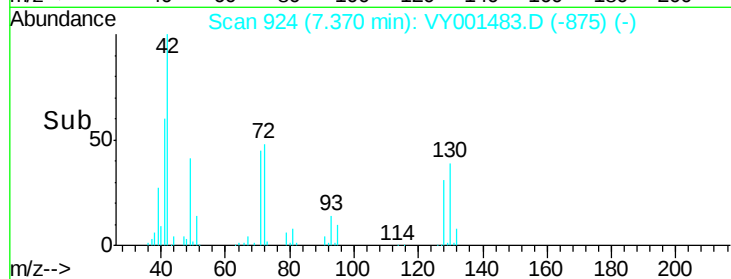
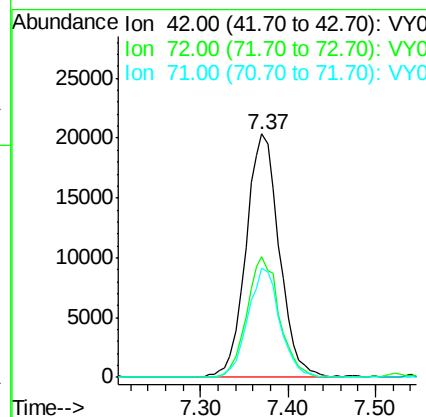
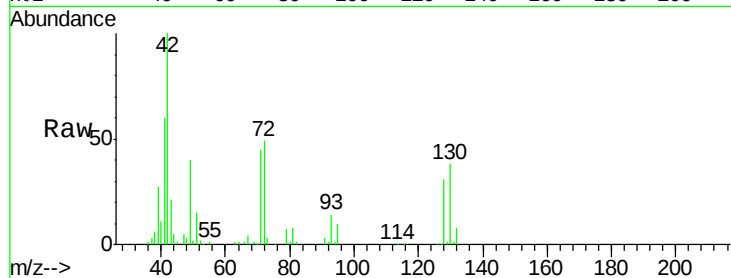
#29
Tetrahydrofuran
Concen: 77.982 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	37.8	56.6
71	43.3	34.8	52.2

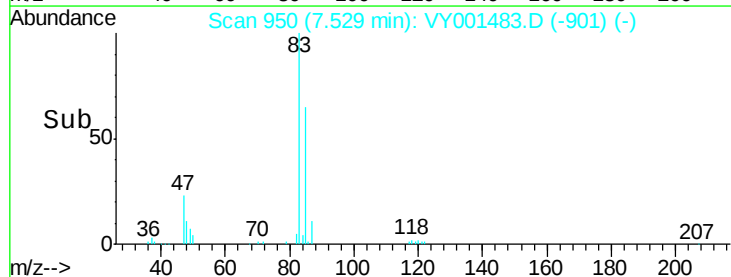
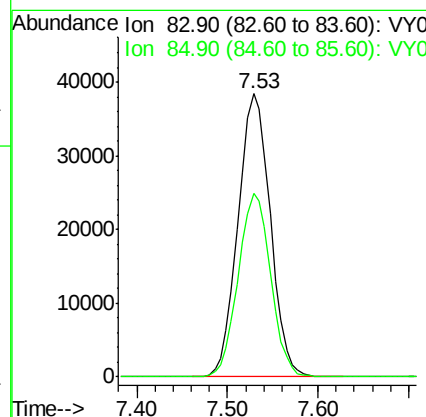
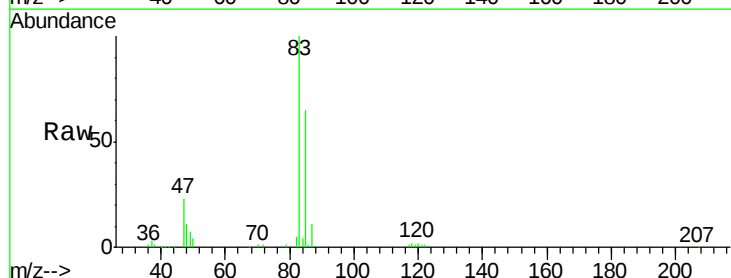
Manual Integrations
APPROVED

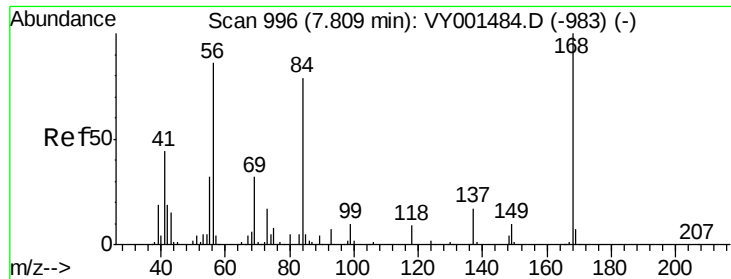
MMDadoda
2/5/2020 12:23:38 PM



#30
Chloroform
Concen: 19.528 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





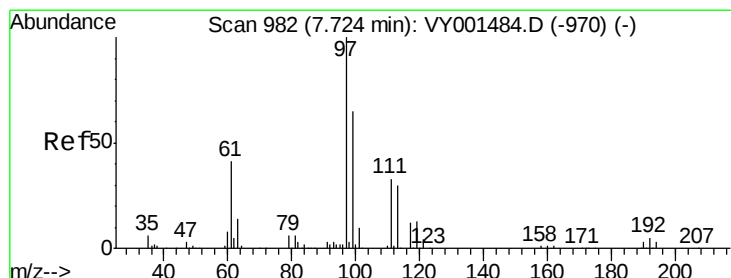
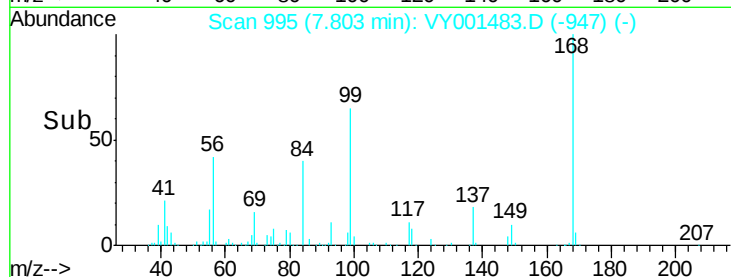
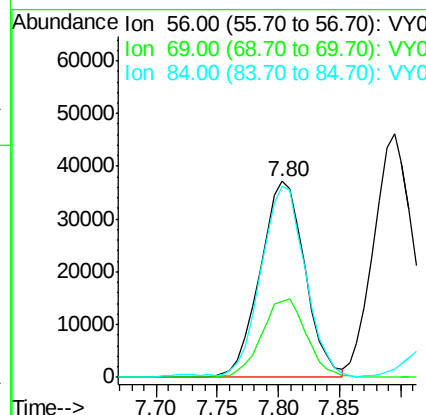
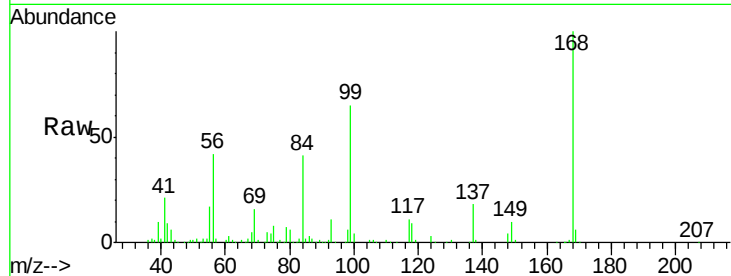
#31
Cyclohexane
Concen: 19.304 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	29.6	44.4
84	96.2	73.6	110.4

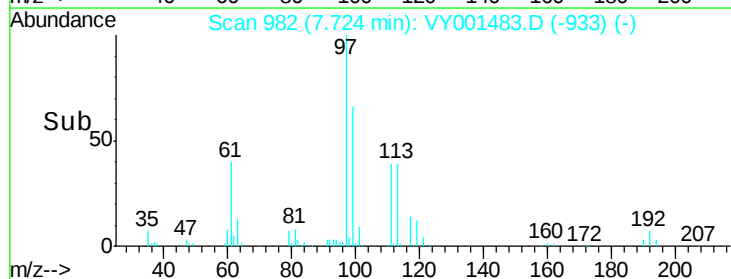
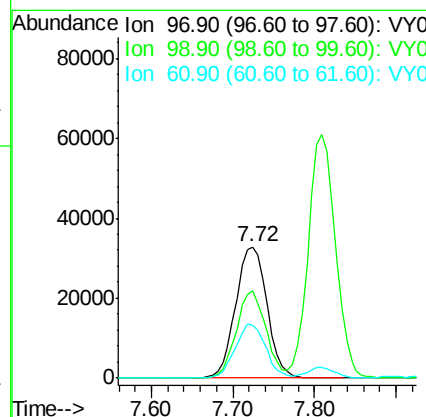
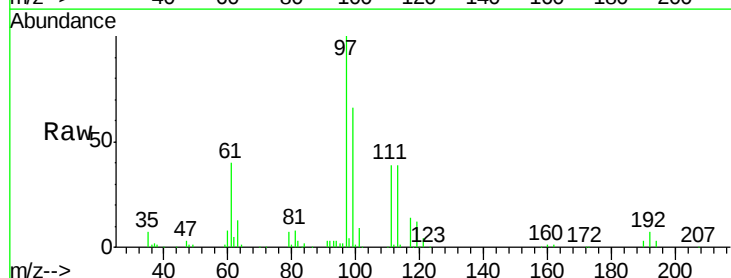
Manual Integrations
APPROVED

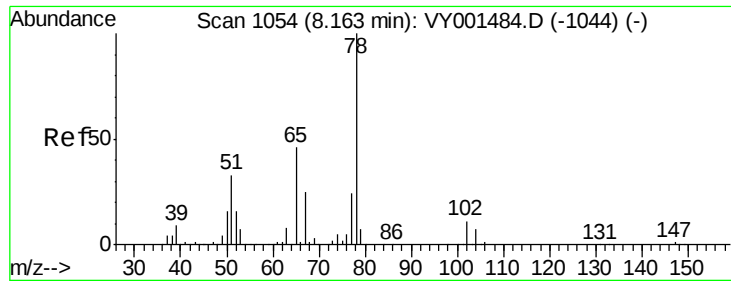
MMDadoda
2/5/2020 12:23:38 PM



#32
1,1,1-Trichloroethane
Concen: 21.055 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.8	77.8
61	39.9	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 18.176 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 45498

Ion Ratio Lower Upper

65 100

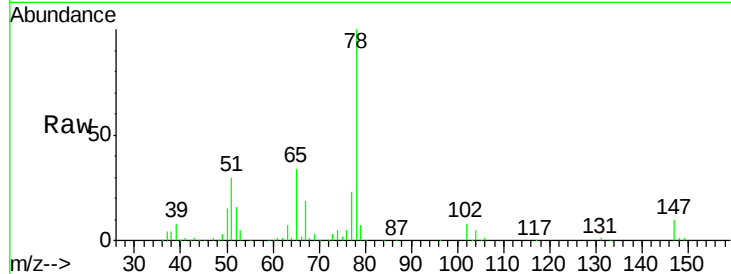
67 55.6 0.0 108.6

Manual Integrations

APPROVED

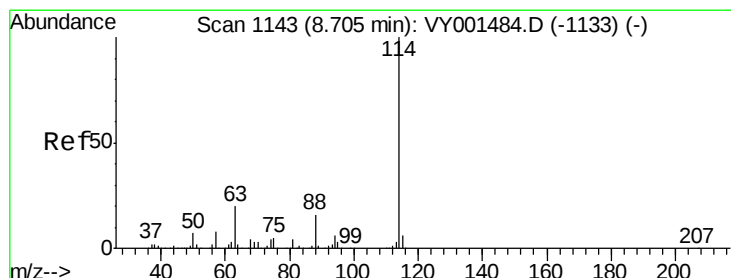
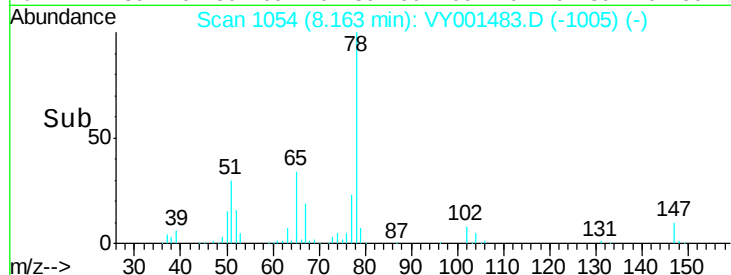
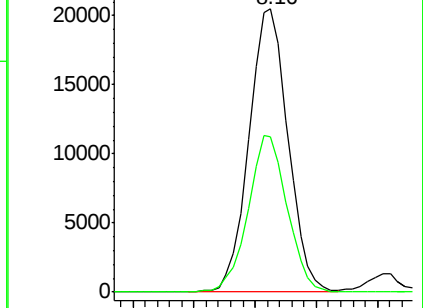
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Abundance Ion 64.90 (64.60 to 65.60): VY001483.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001483.D (-1044) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

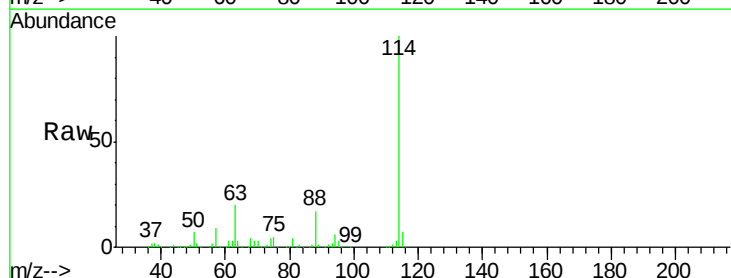
Tgt Ion: 114 Resp: 408603

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

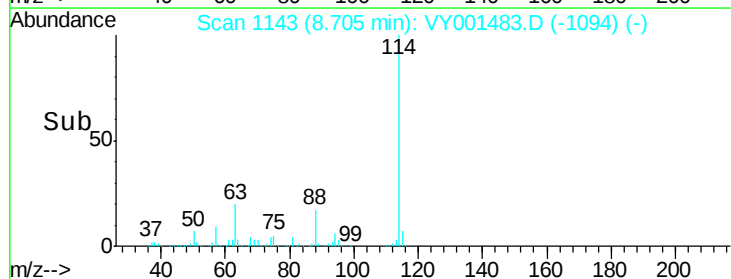
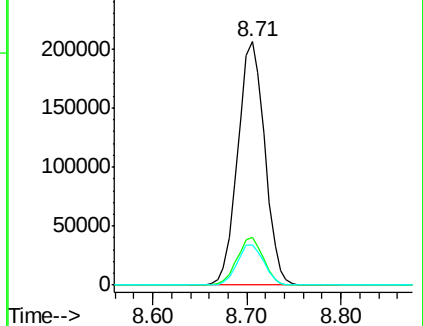
88 16.6 0.0 32.6

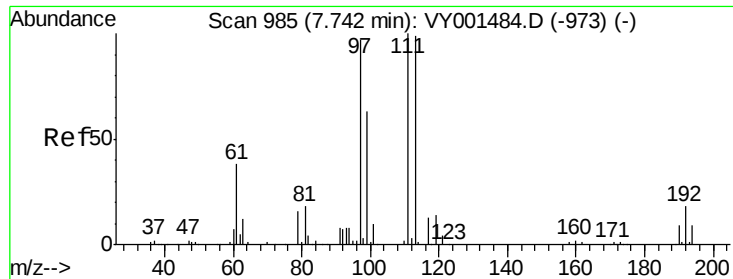


Abundance Ion 113.90 (113.60 to 114.60): VY001483.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY001483.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY001483.D (-1094) (-)





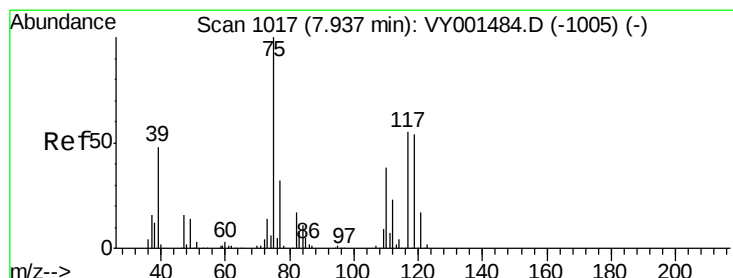
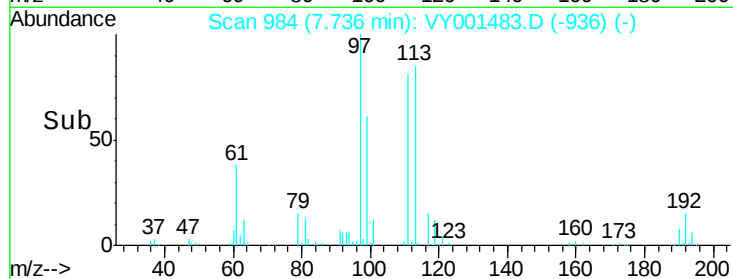
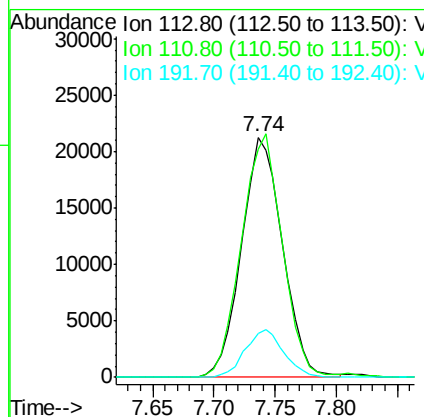
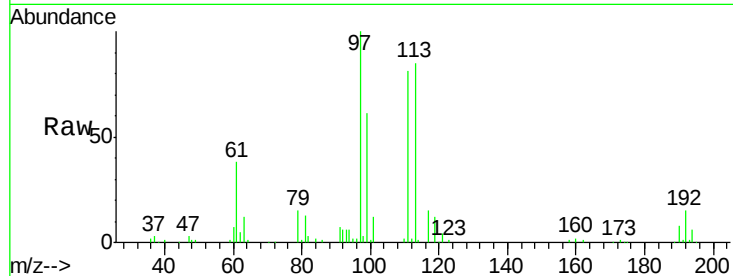
#35
Dibromofluoromethane
Concen: 20.767 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49515		
111	101.6	82.9	124.3	
192	18.7	14.6	22.0	

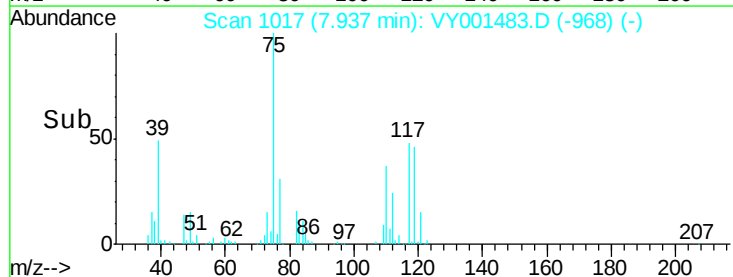
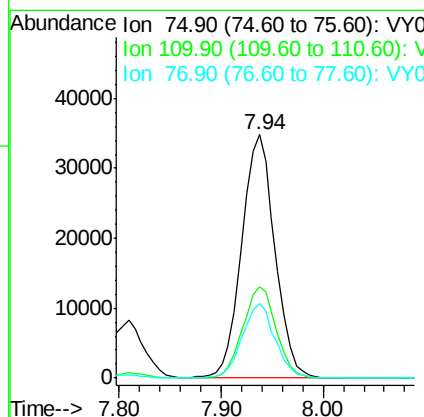
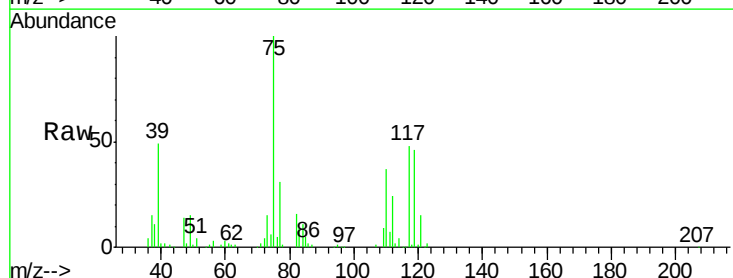
Manual Integrations
APPROVED

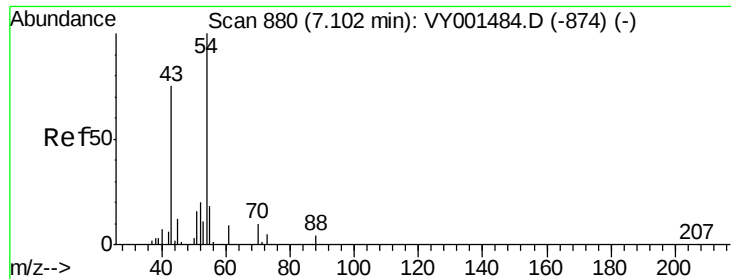
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.332 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78721		
110	37.5	18.2	54.6	
77	30.3	25.0	37.4	





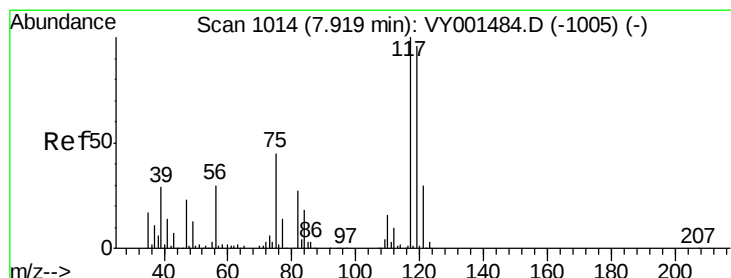
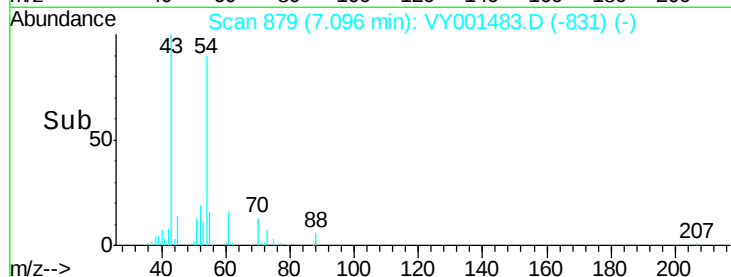
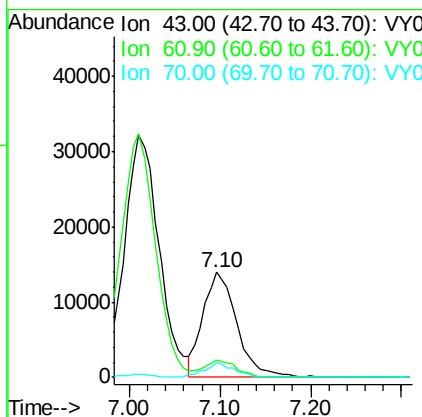
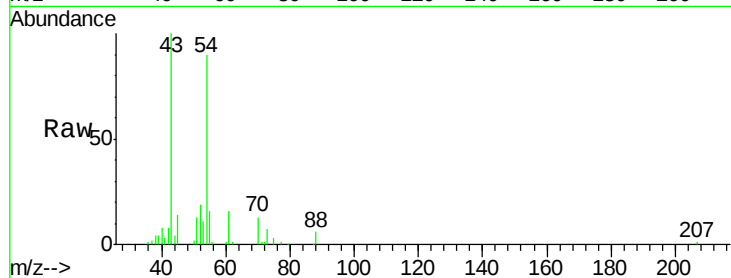
#37
Ethyl Acetate
Concen: 16.223 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	12.2	10.2	15.4

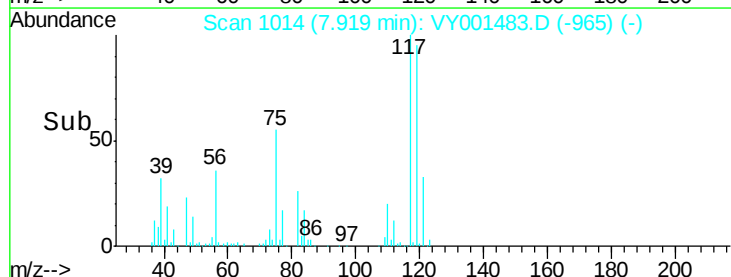
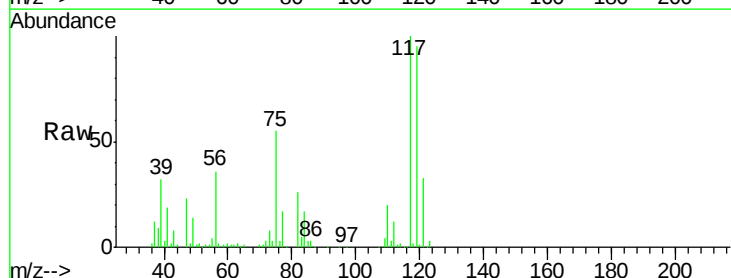
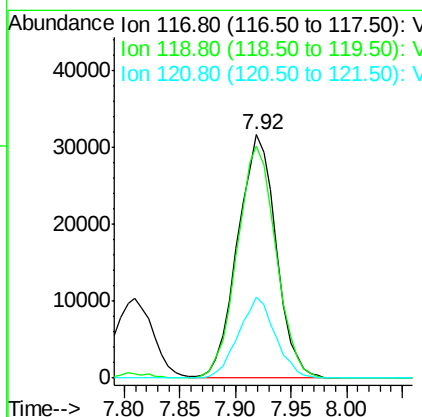
Manual Integrations
APPROVED

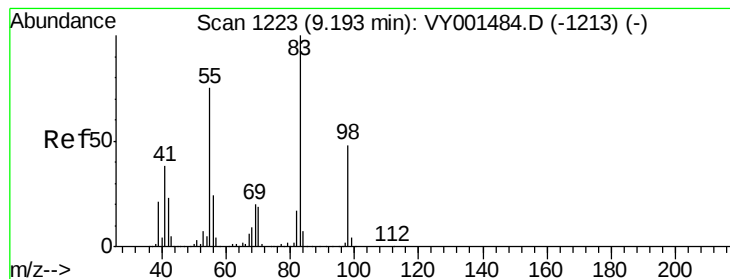
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.745 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.4	114.6
121	33.2	24.2	36.4





#39

Methvlcvclohexane

Concen: 20.507 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 102132

Ion Ratio Lower Upper

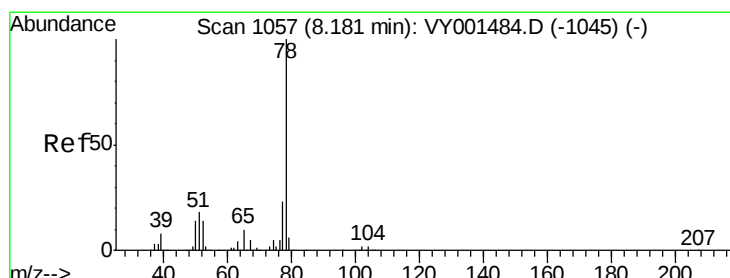
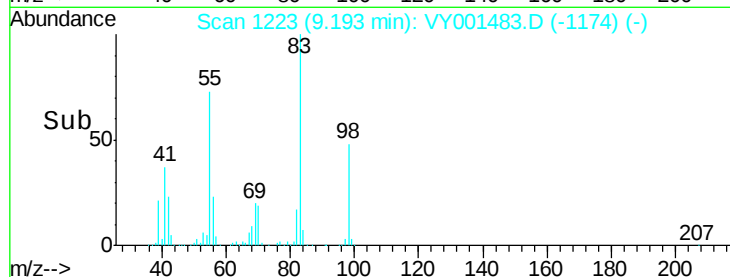
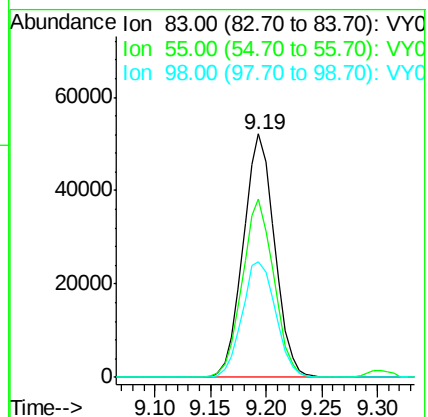
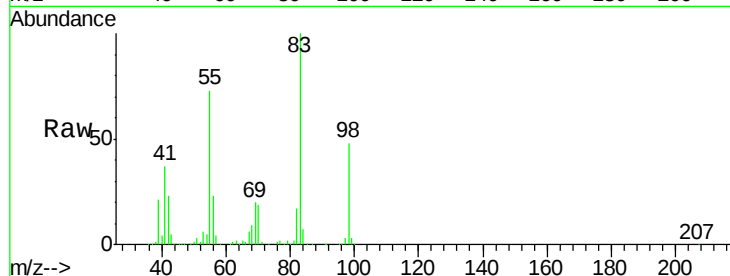
83 100

55 73.0 59.8 89.6

98 47.6 38.6 57.8

Manual Integrations
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#40

Benzene

Concen: 19.380 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VY001483.D

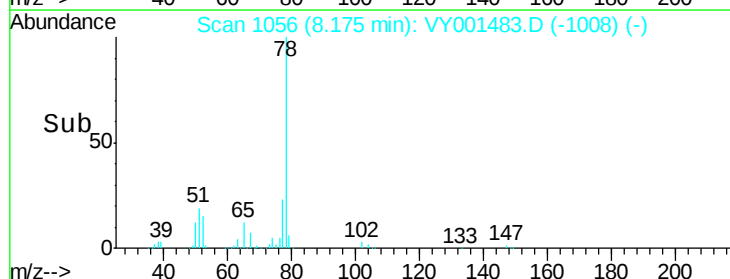
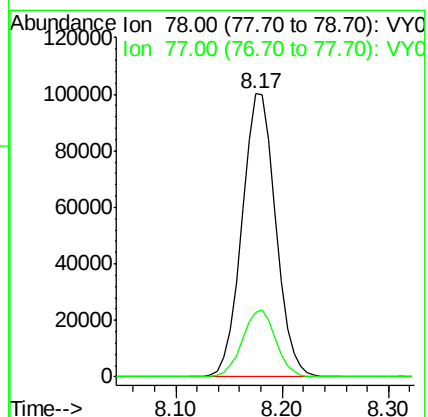
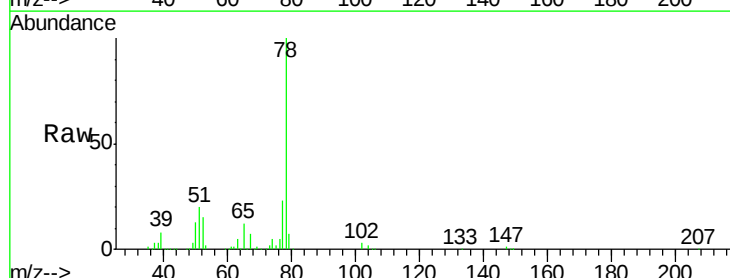
Acq: 04 Feb 2020 13:38

Tgt Ion: 78 Resp: 222827

Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7





#41

Methacrylonitrile

Concen: 14.399 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 16641

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

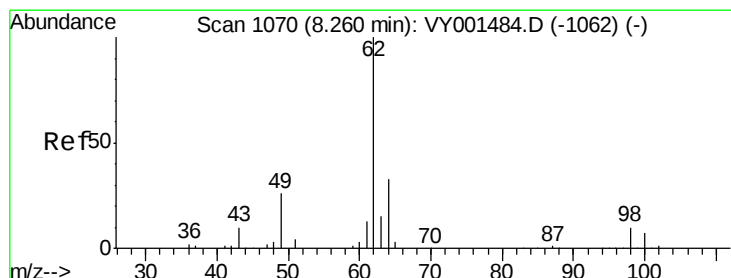
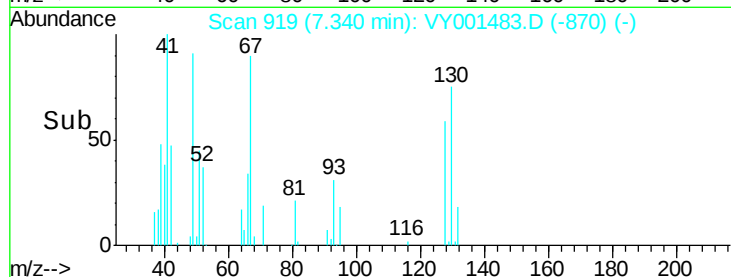
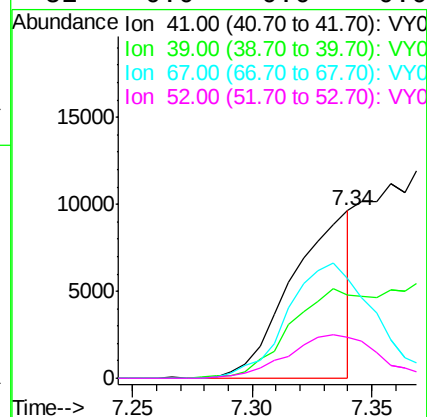
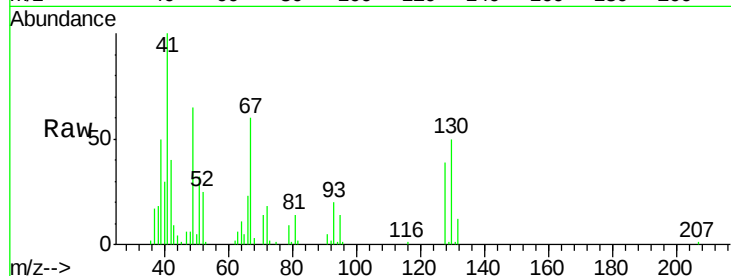
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

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#42

1,2-Dichloroethane

Concen: 19.360 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001483.D

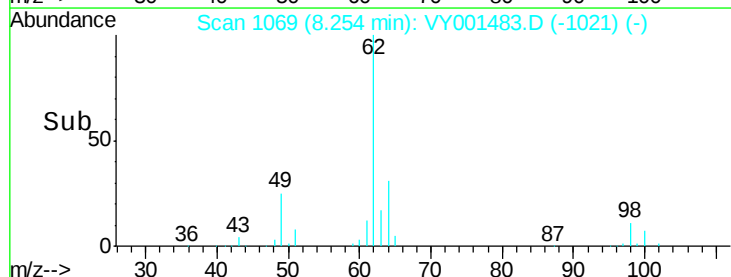
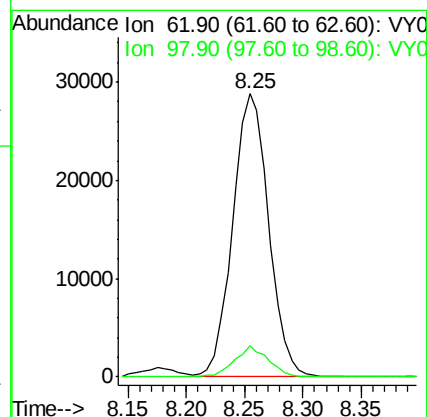
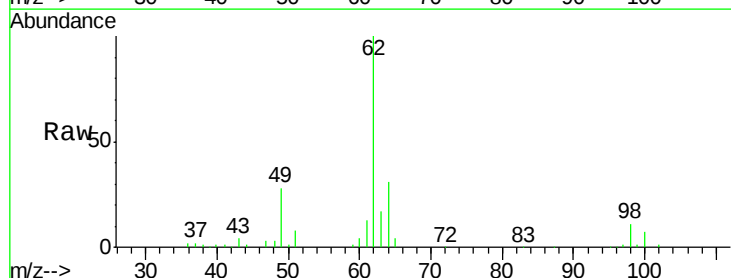
Acq: 04 Feb 2020 13:38

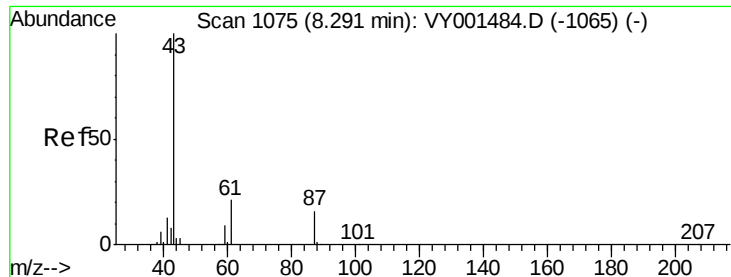
Tgt Ion: 62 Resp: 61829

Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 16.706 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

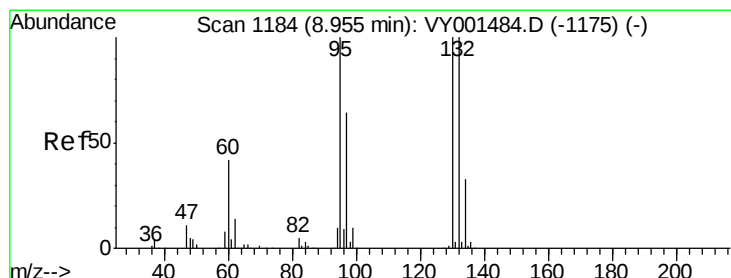
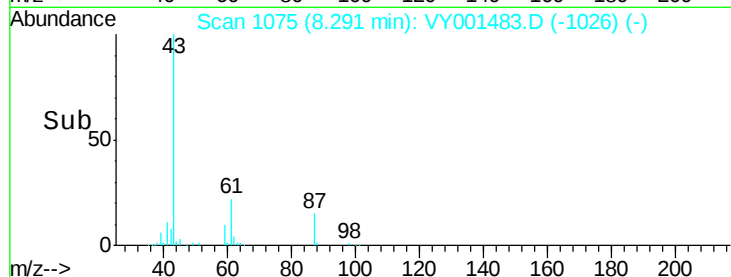
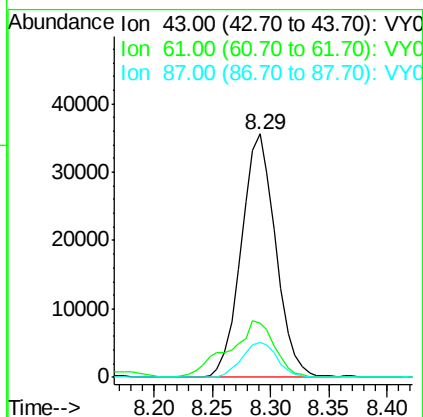
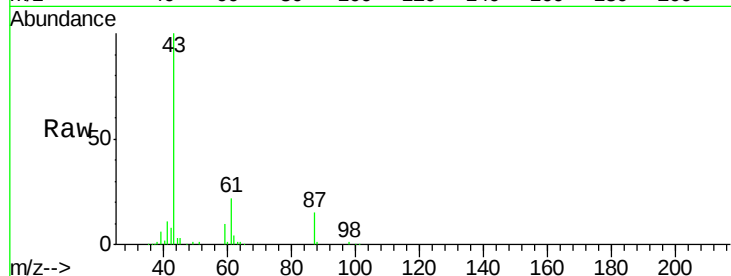
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	73546
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.1	37.7
87	14.9	12.6	19.0

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#44

Trichloroethene

Concen: 20.018 ug/l

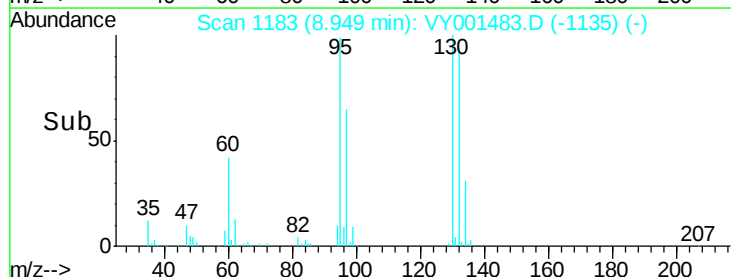
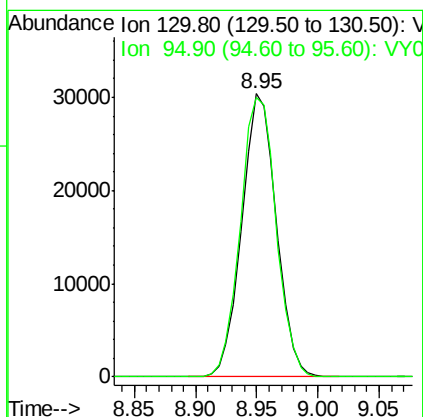
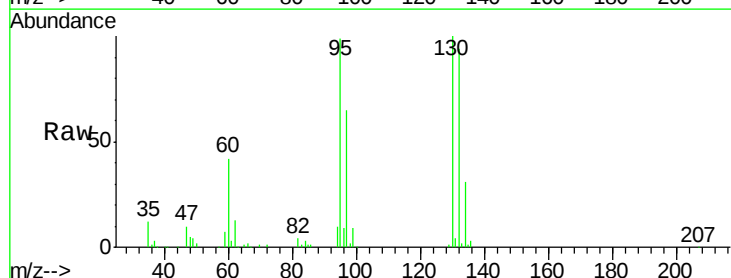
RT: 8.95 min Scan# 1183

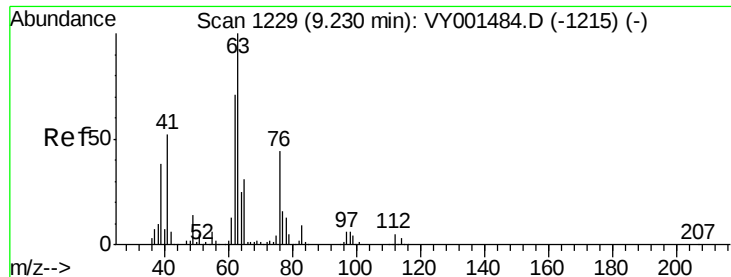
Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion:	130	Resp:	59610
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	199.2





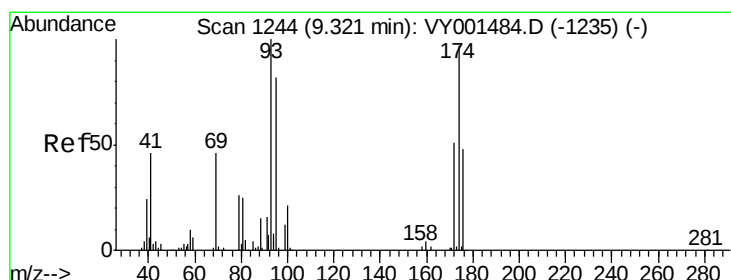
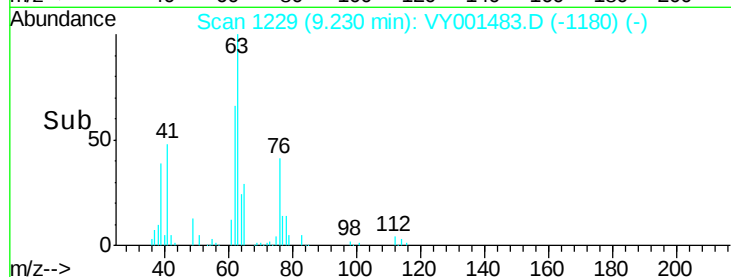
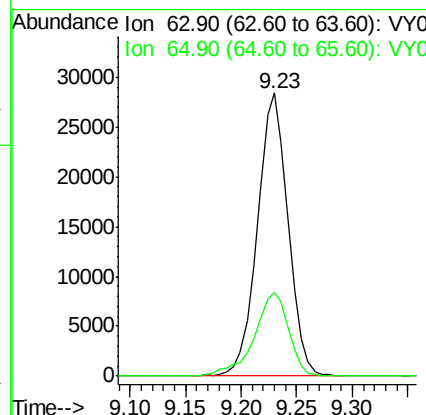
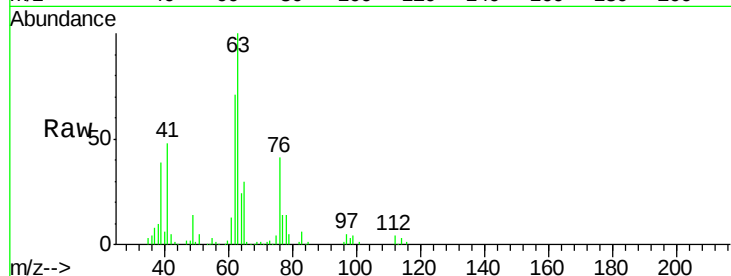
#45
 1,2-Dichloropropane
 Concen: 18.915 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 54443
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

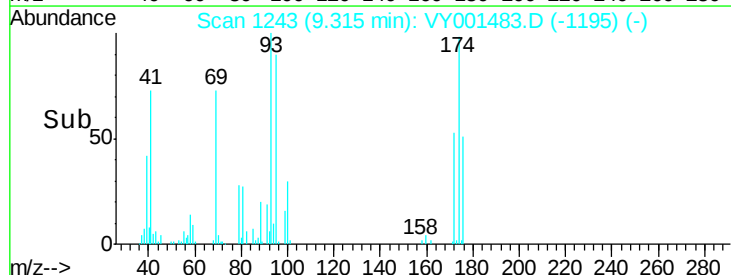
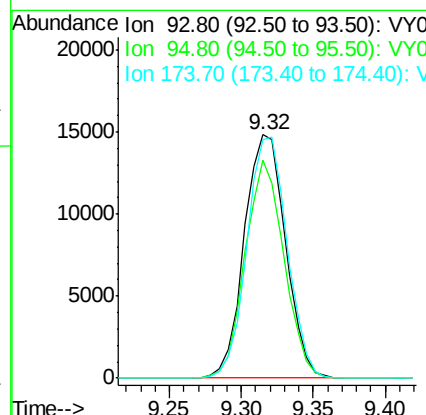
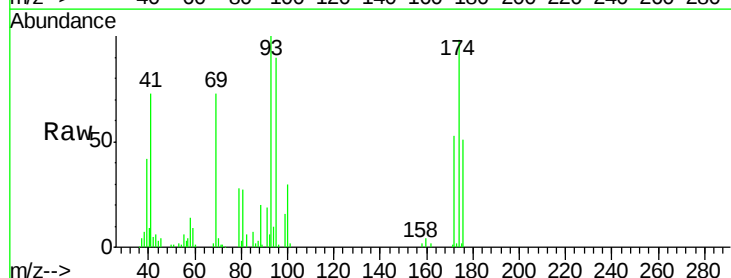
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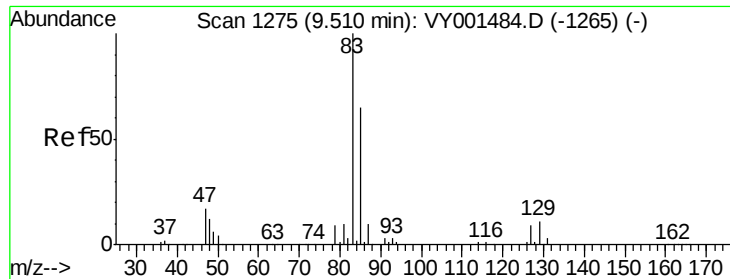
MMDadoda
 2/5/2020 12:23:38 PM



#46
 Dibromomethane
 Concen: 18.933 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 93 Resp: 29444
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 99.8
 174 96.3 75.4 113.2





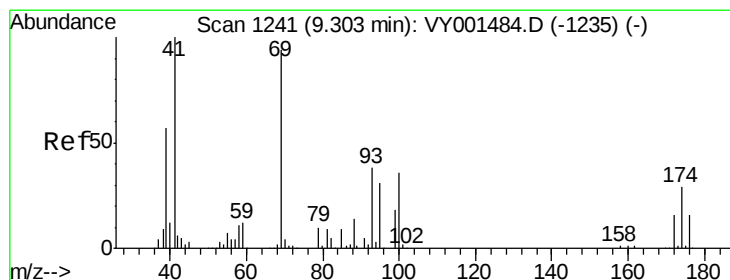
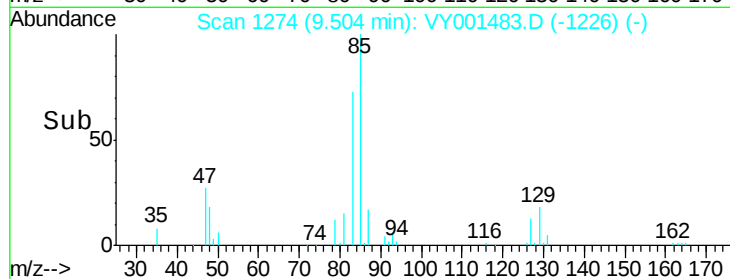
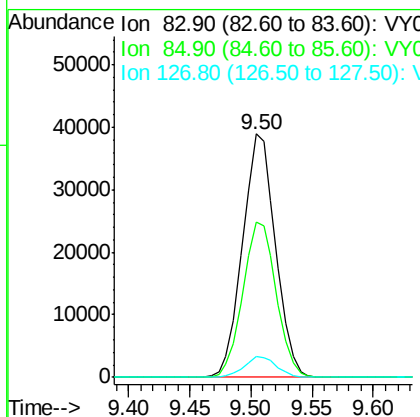
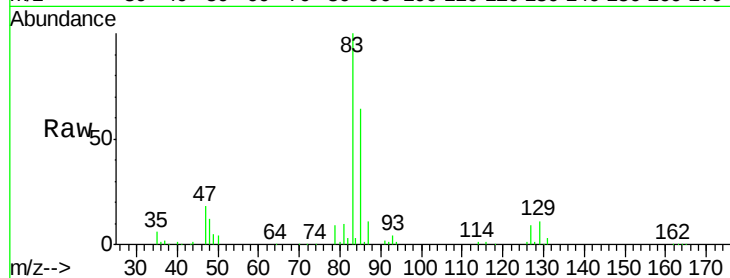
#47
Bromodichloromethane
Concen: 19.461 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	72851		
85	63.6		51.9	77.9
127	8.5		6.9	10.3

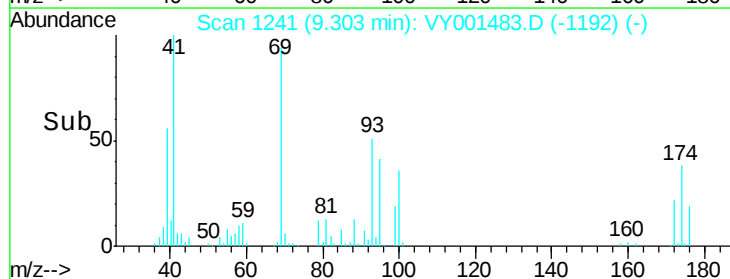
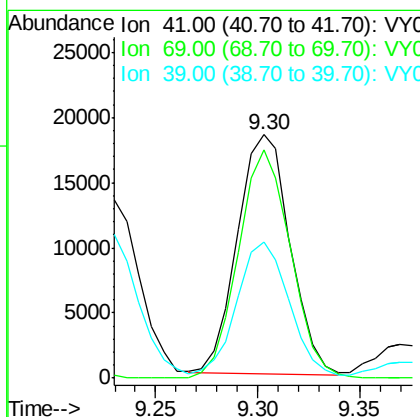
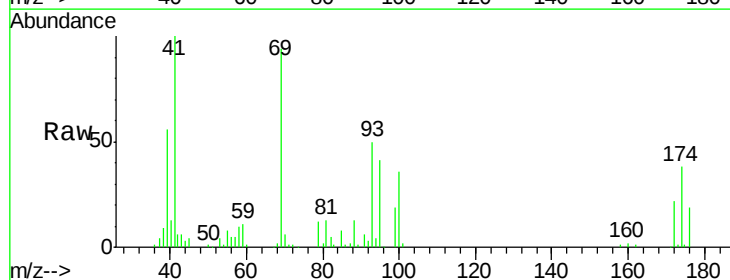
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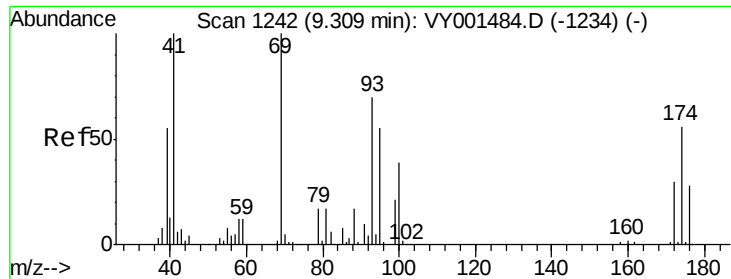
MMDadoda
2/5/2020 12:23:38 PM



#48
Methyl methacrylate
Concen: 16.318 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32780		
69	95.0		76.6	114.8
39	55.4		45.4	68.0





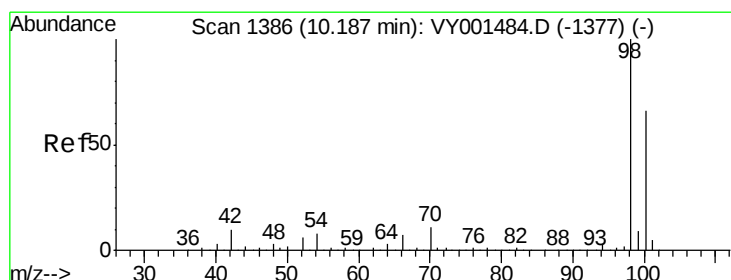
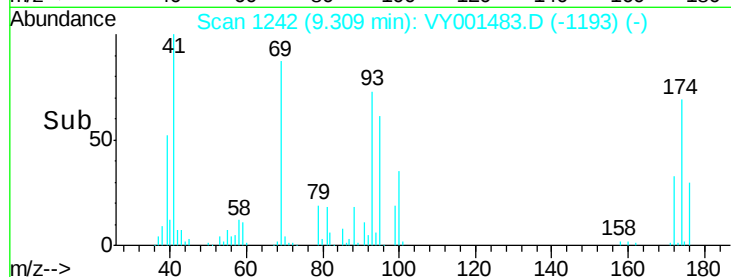
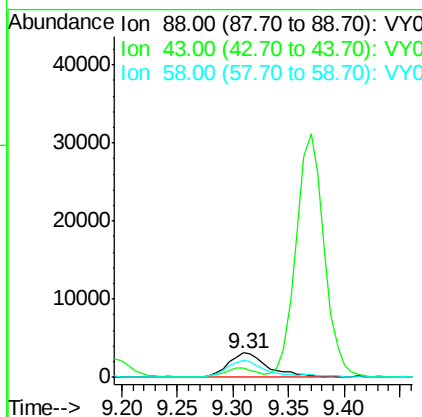
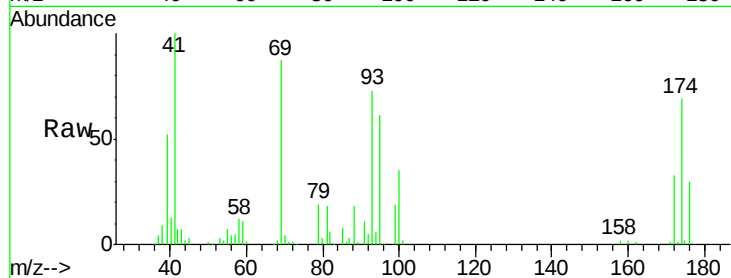
#49
1,4-Dioxane
Concen: 362.680 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.8	37.2
58	71.6	59.3	88.9

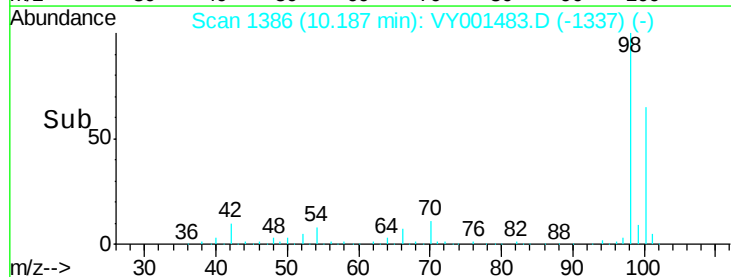
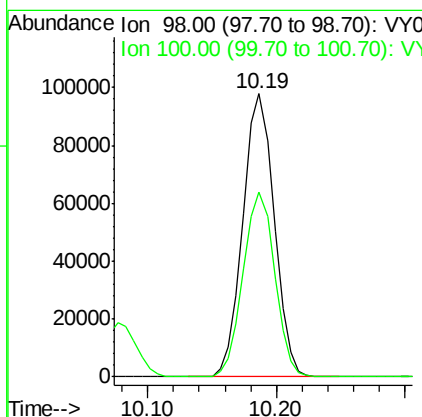
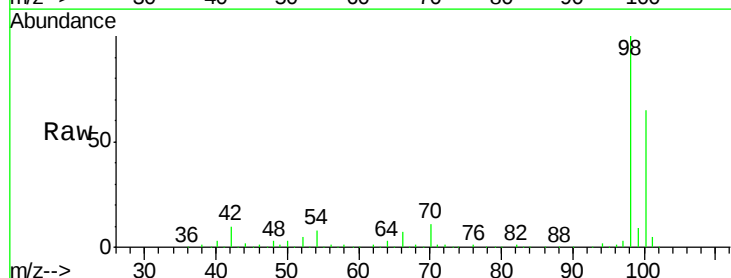
Manual Integrations
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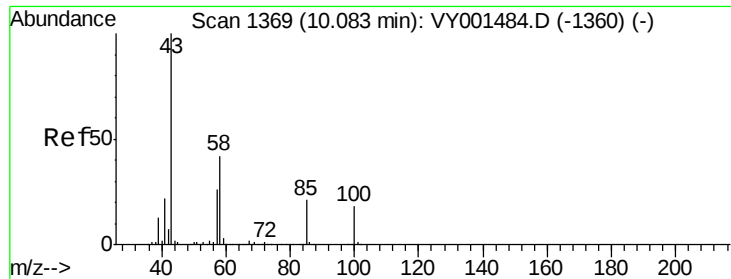
MMDadoda
2/5/2020 12:23:38 PM



#50
Toluene-d8
Concen: 17.800 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 79.806 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 180153

Ion Ratio Lower Upper

43 100

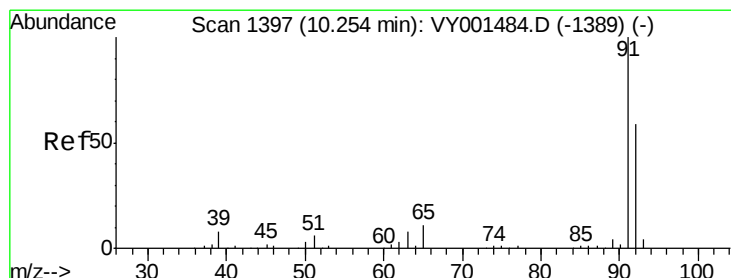
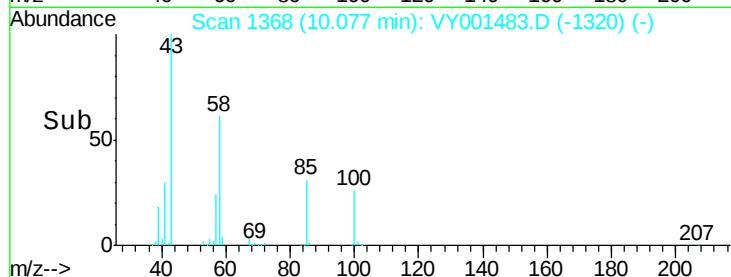
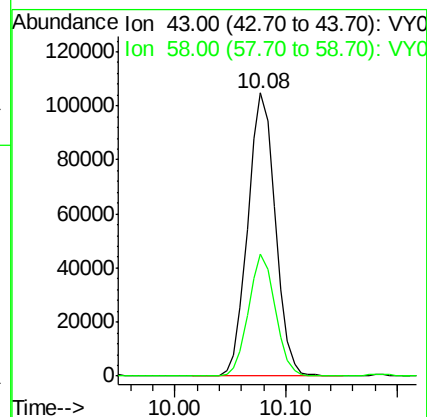
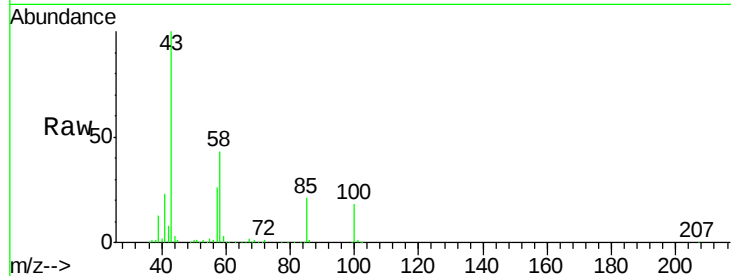
58 41.9 33.9 50.9

Manual Integrations

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#52

Toluene

Concen: 19.681 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001483.D

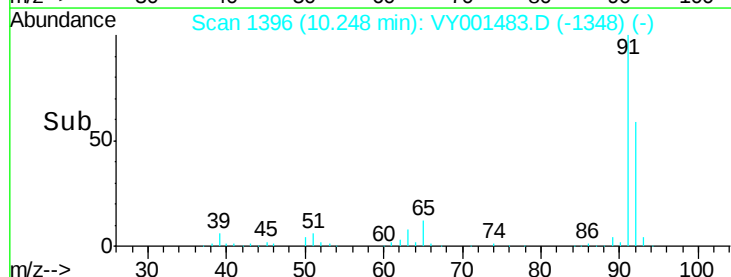
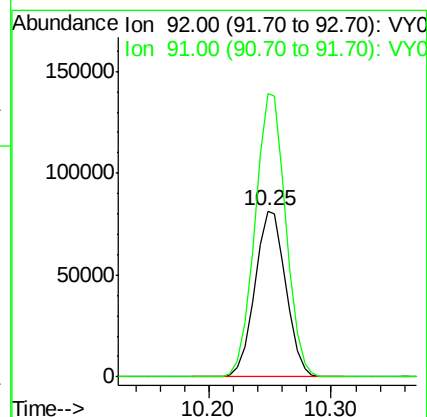
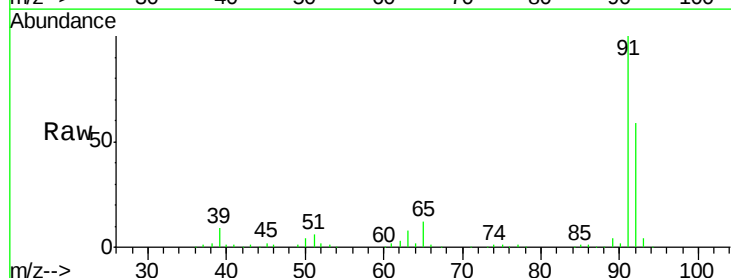
Acq: 04 Feb 2020 13:38

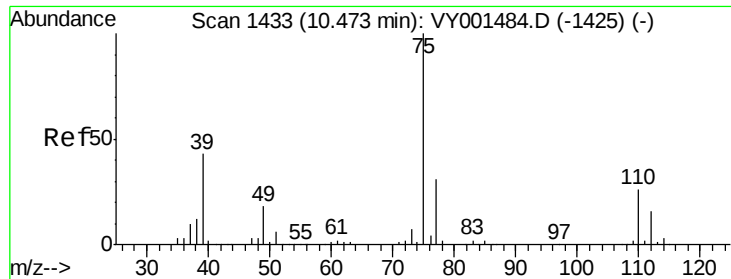
Tgt Ion: 92 Resp: 143347

Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8





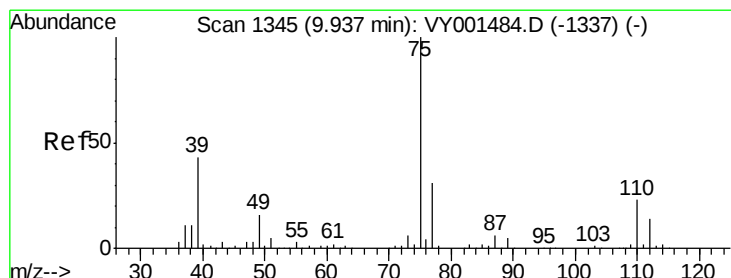
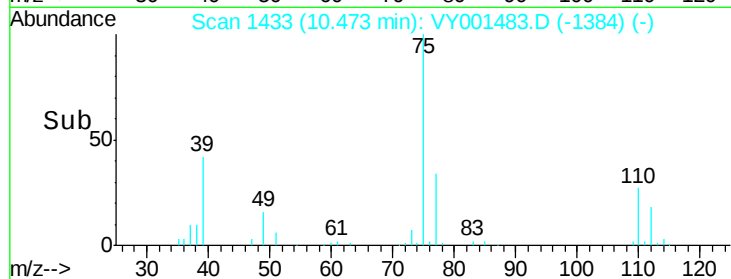
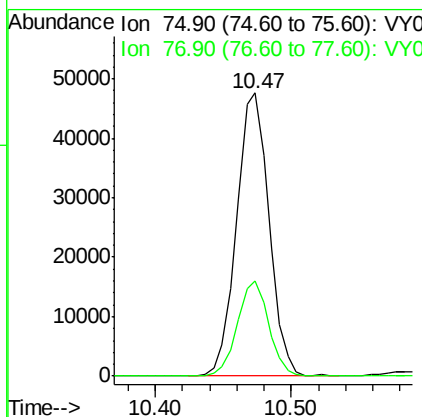
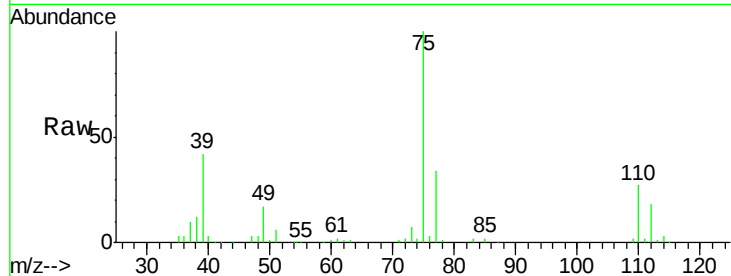
#53
t-1,3-Dichloropropene
Concen: 19.265 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 79244
Ion Ratio Lower Upper
75 100
77 33.4 24.9 37.3

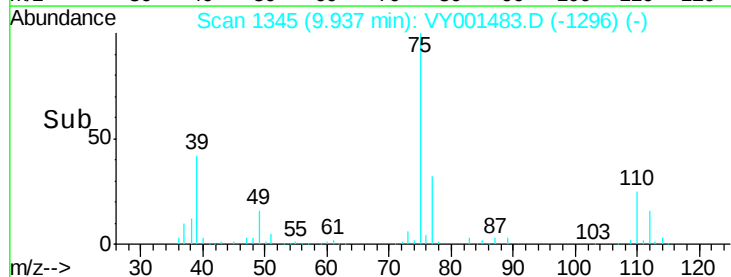
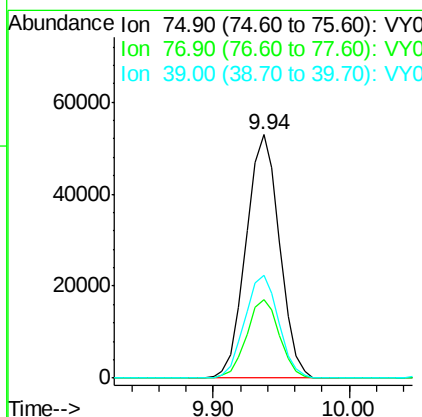
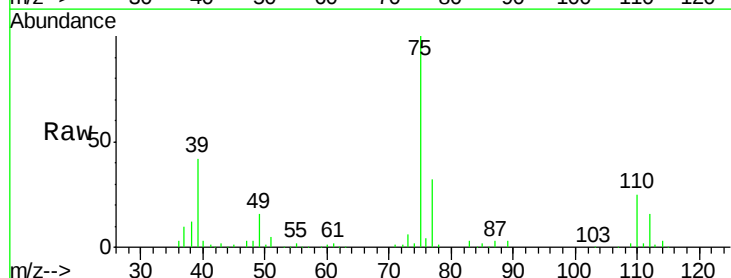
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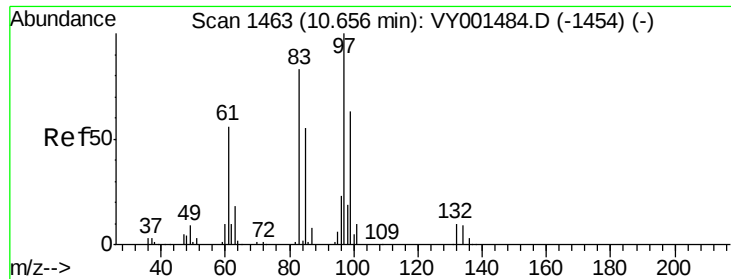
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.282 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 75 Resp: 91429
Ion Ratio Lower Upper
75 100
77 32.4 24.7 37.1
39 42.4 34.0 51.0





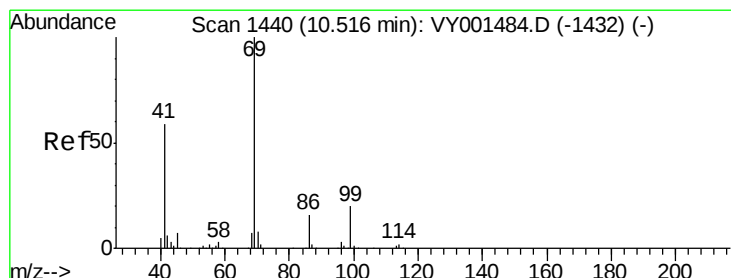
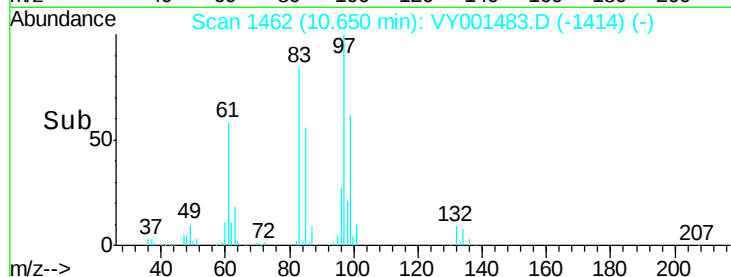
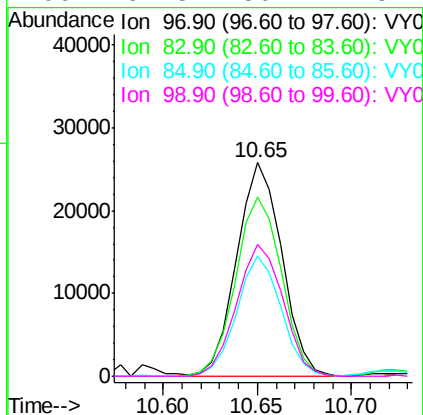
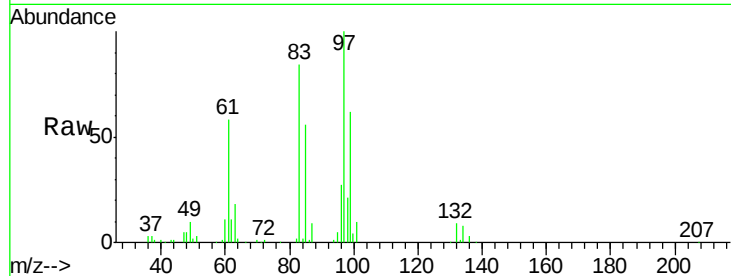
#55
 1,1,2-Trichloroethane
 Concen: 18.797 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	42854
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.2	99.2
85	56.2	43.8	65.6
99	61.8	50.1	75.1

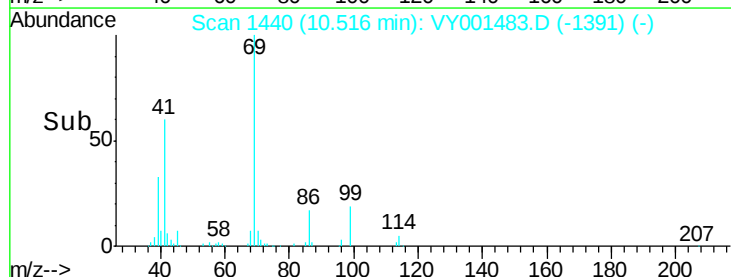
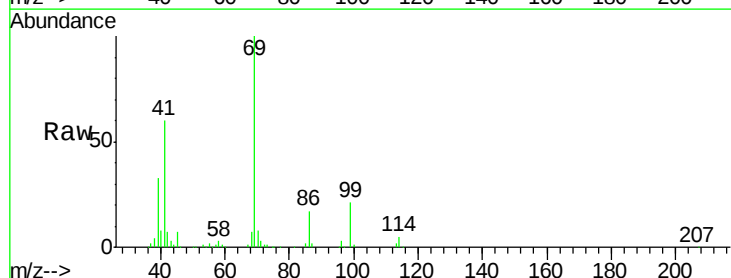
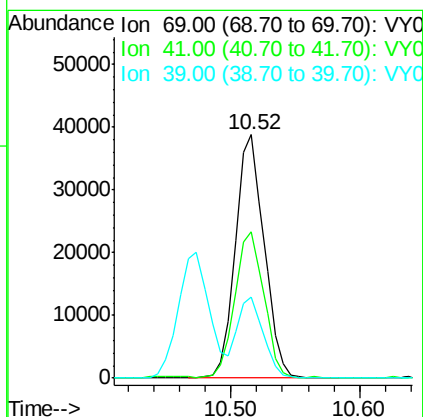
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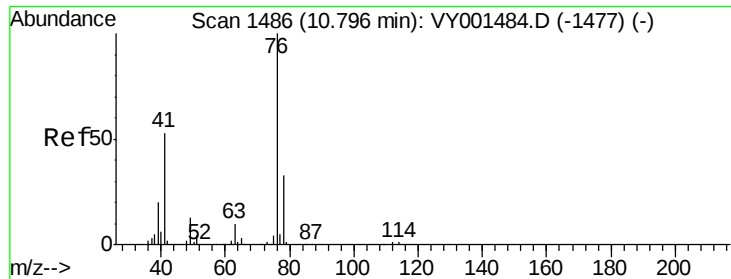
MMDadoda
 2/5/2020 12:23:38 PM



#56
 Ethyl methacrylate
 Concen: 17.640 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:	69	Resp:	60280
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.8	71.8
39	30.0	24.4	36.6





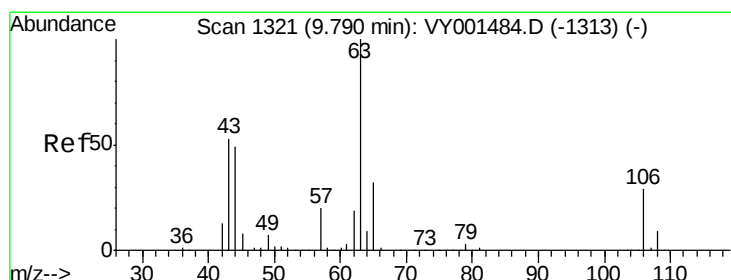
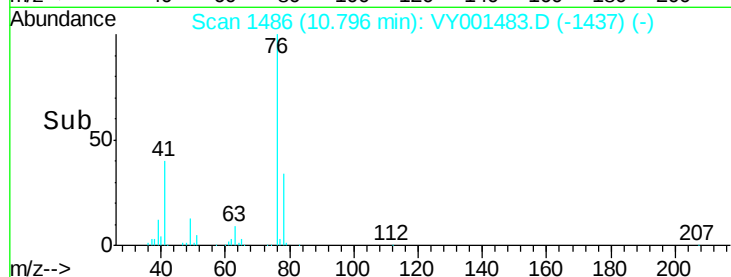
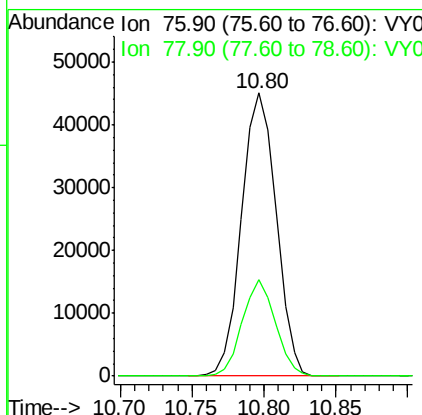
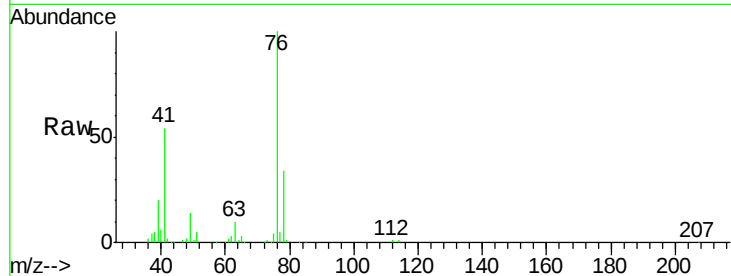
#57
 1,3-Dichloropropane
 Concen: 18.886 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

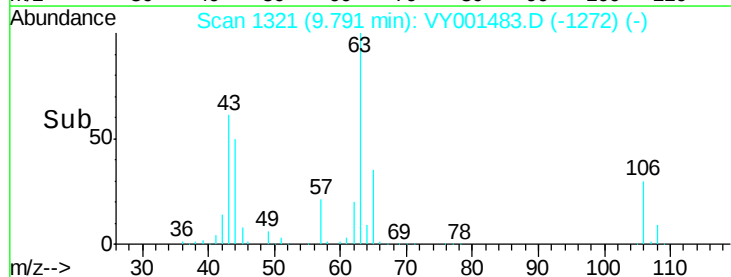
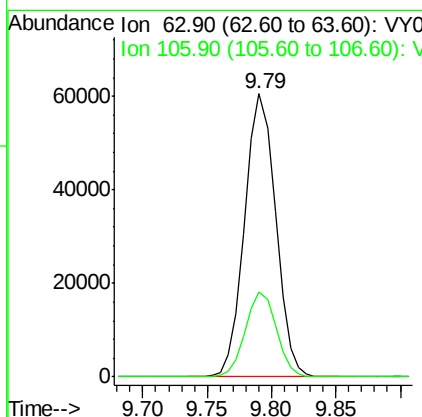
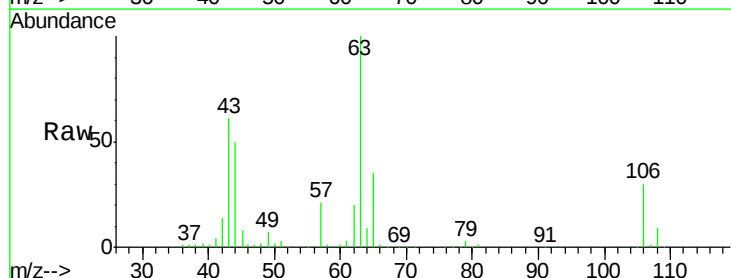
Manual Integrations
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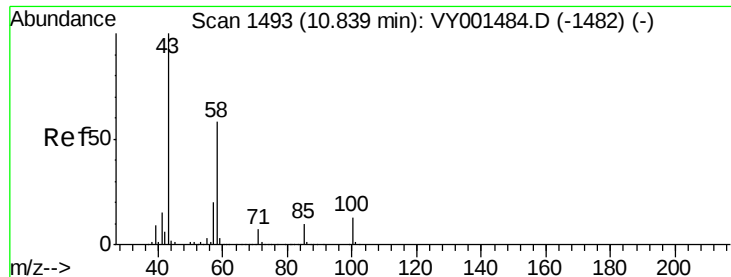
MMDadoda
 2/5/2020 12:23:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.762 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.0	36.0





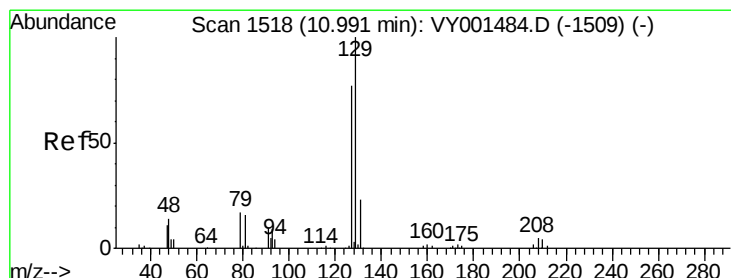
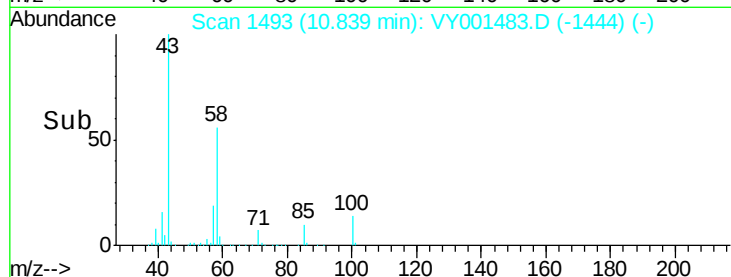
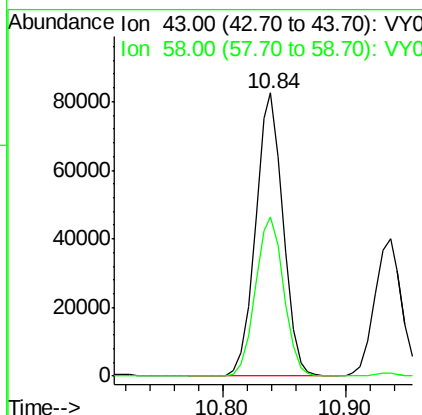
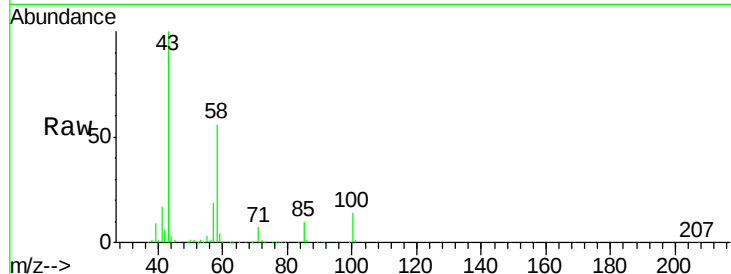
#59
2-Hexanone
Concen: 81.801 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 129130
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

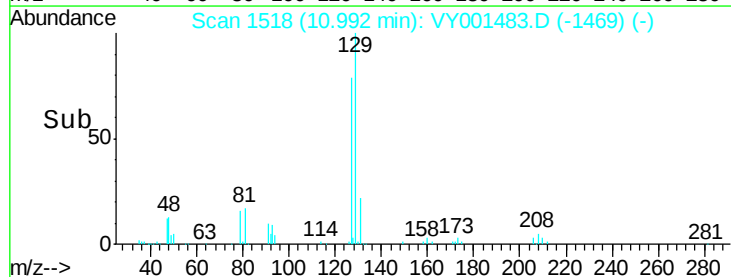
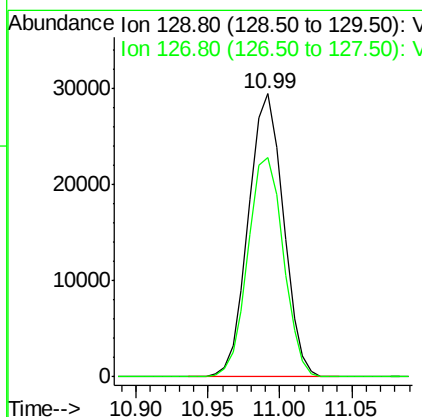
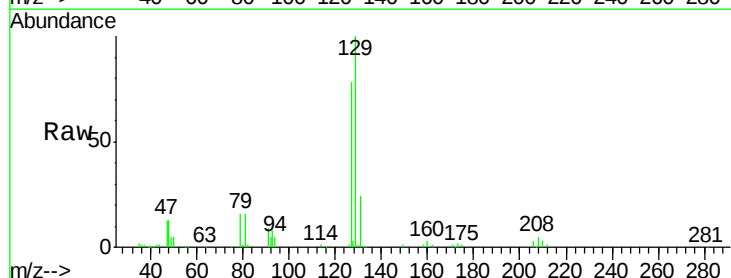
Manual Integrations
APPROVED

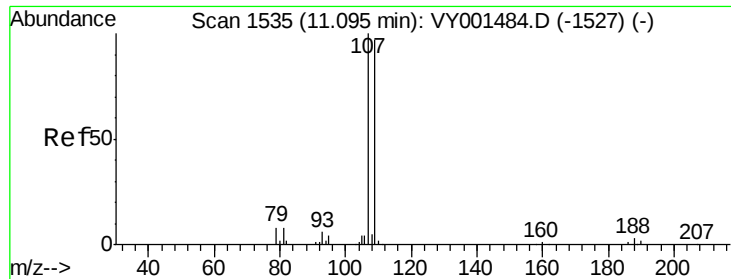
MMDadoda
2/5/2020 12:23:38 PM



#60
Dibromochloromethane
Concen: 19.218 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 129 Resp: 49595
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.6





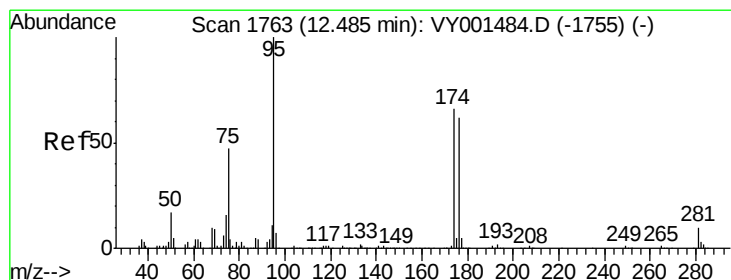
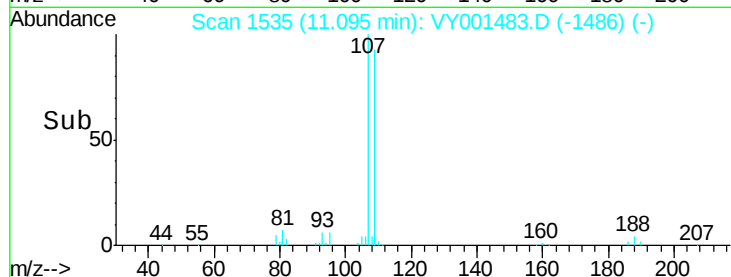
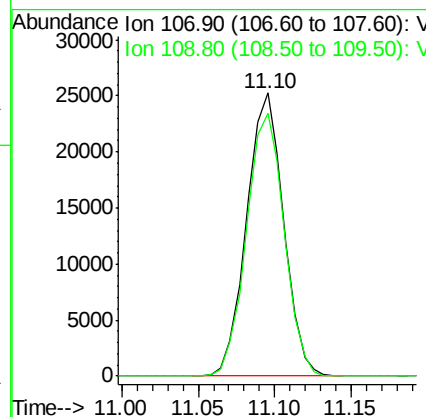
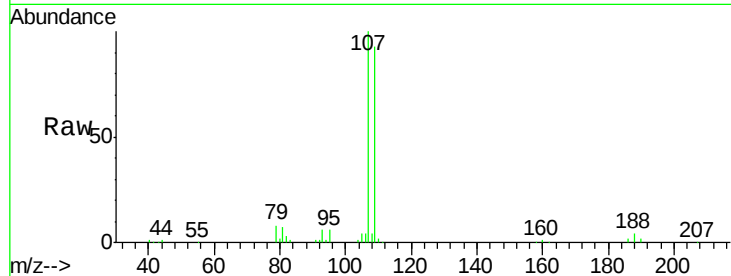
#61
 1,2-Dibromoethane
 Concen: 19.553 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 42374
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.2

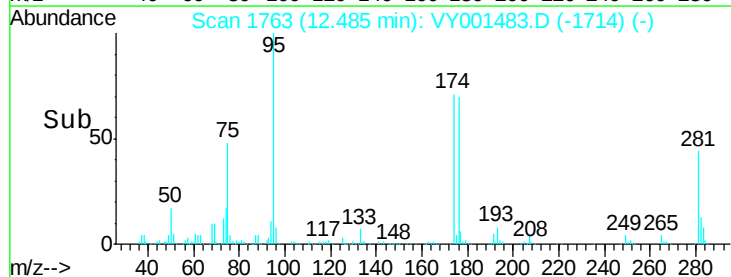
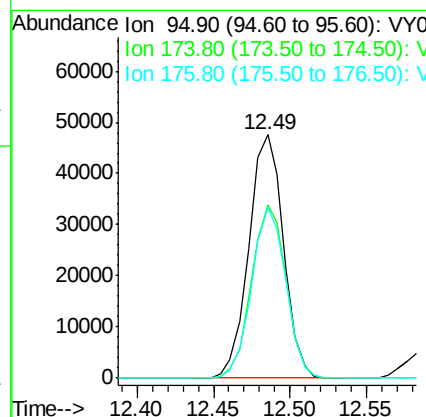
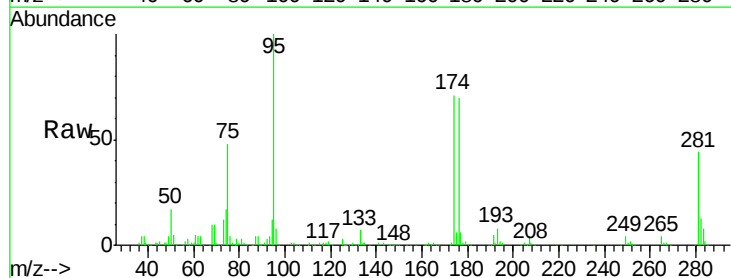
Manual Integrations
 APPROVED

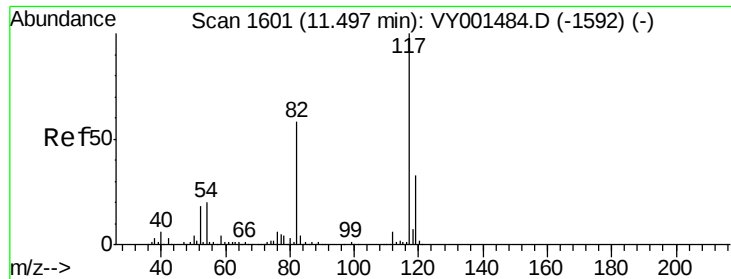
MMDadoda
 2/5/2020 12:23:38 PM



#62
 4-Bromofluorobenzene
 Concen: 20.382 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 95 Resp: 74602
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 141.4
 176 69.5 0.0 135.4





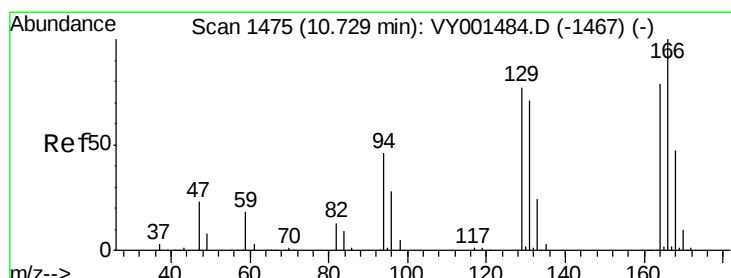
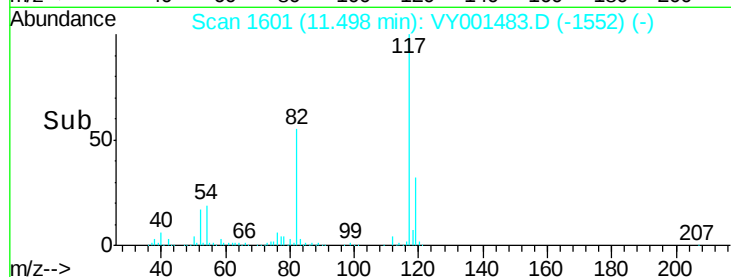
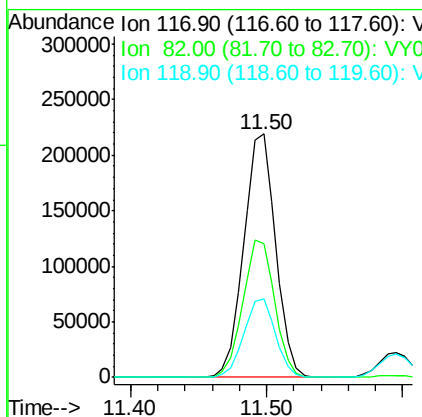
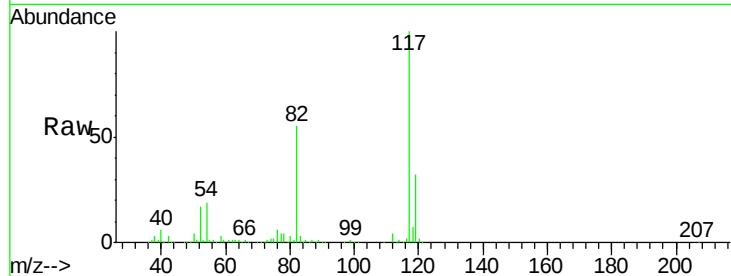
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358883		
82	54.8	46.1	69.1	
119	32.1	26.1	39.1	

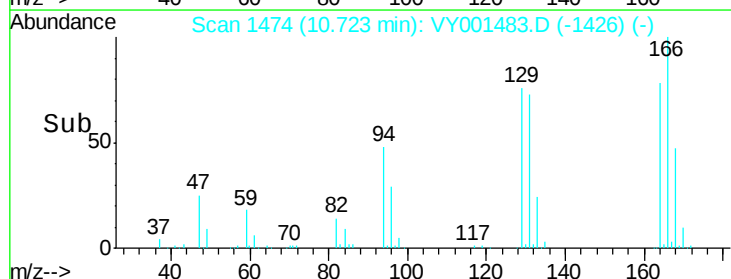
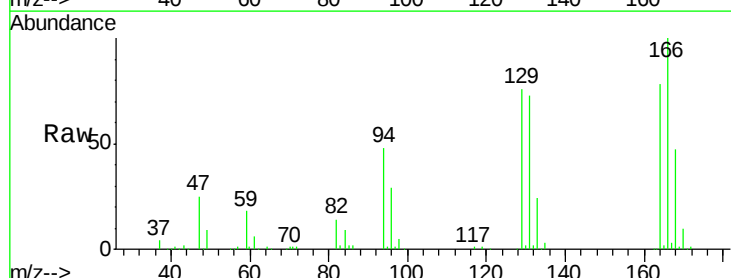
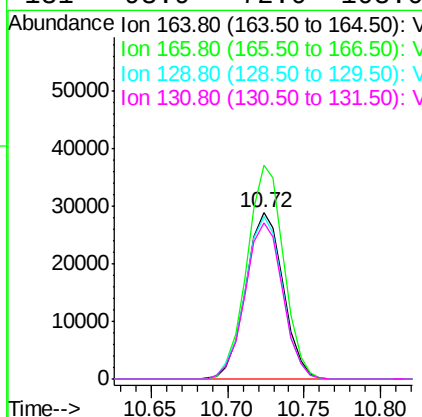
Manual Integrations
APPROVED

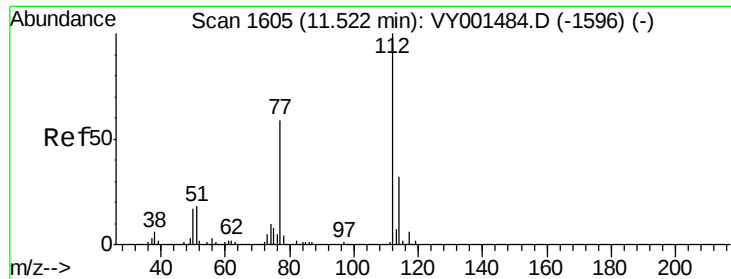
MMDadoda
2/5/2020 12:23:38 PM



#64
Tetrachloroethene
Concen: 21.028 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48914		
166	128.6	100.8	151.2	
129	97.9	77.8	116.6	
131	93.9	72.0	108.0	





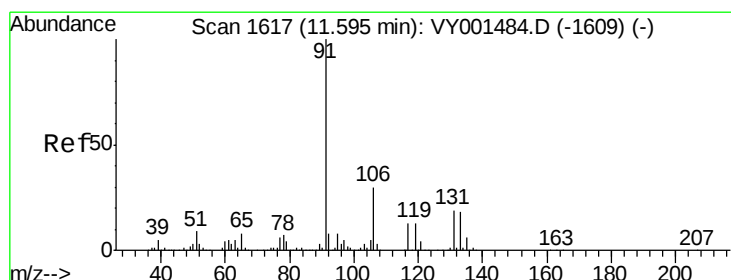
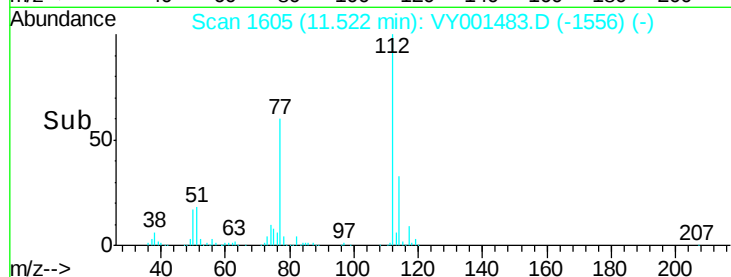
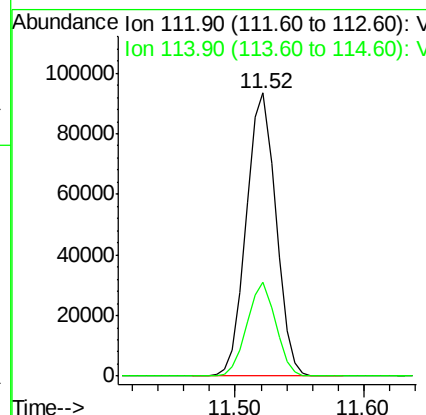
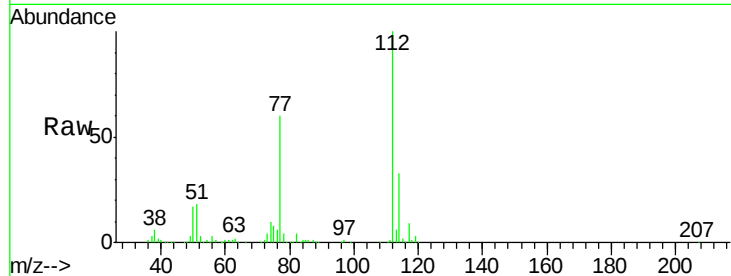
#65
Chlorobenzene
Concen: 19.622 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 148132
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2

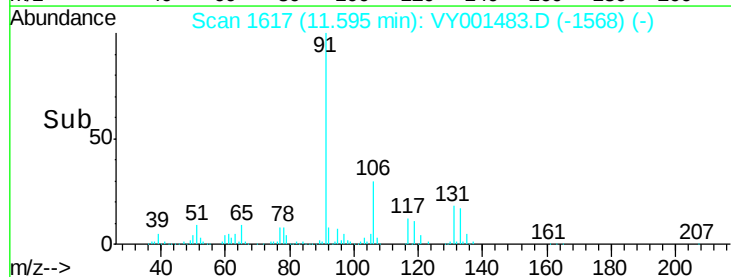
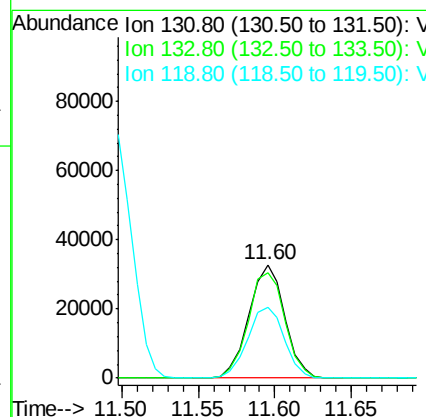
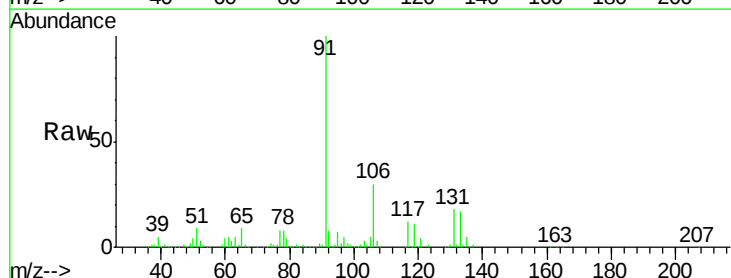
Manual Integrations
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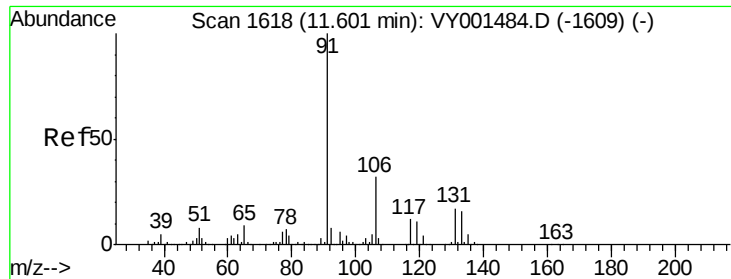
MMDadoda
2/5/2020 12:23:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.683 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion:131 Resp: 53292
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 64.4 33.7 101.0





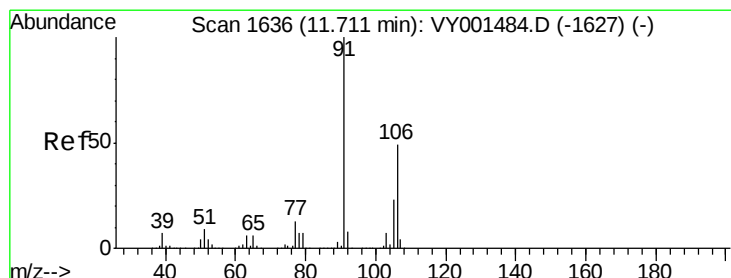
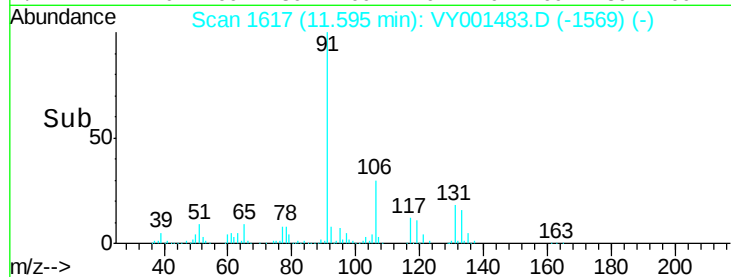
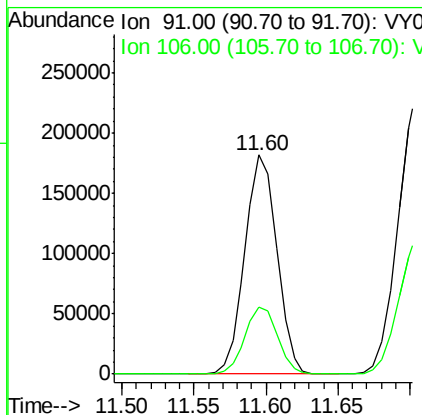
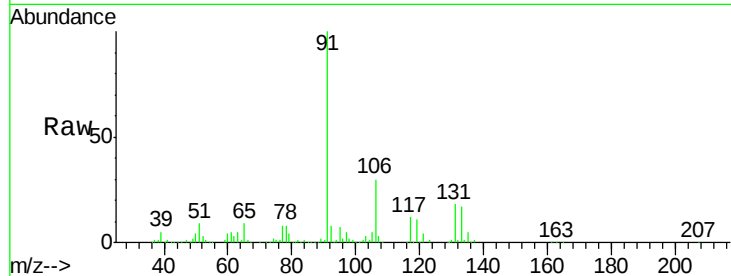
#67
Ethyl Benzene
Concen: 20.169 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 280312
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9

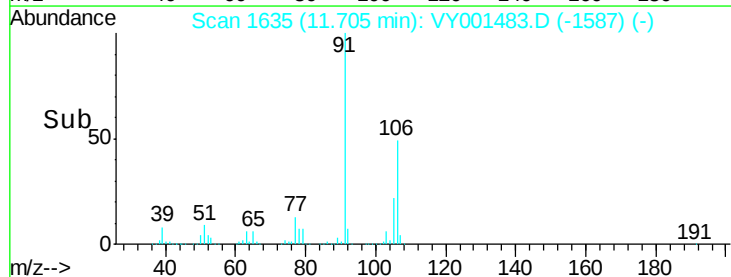
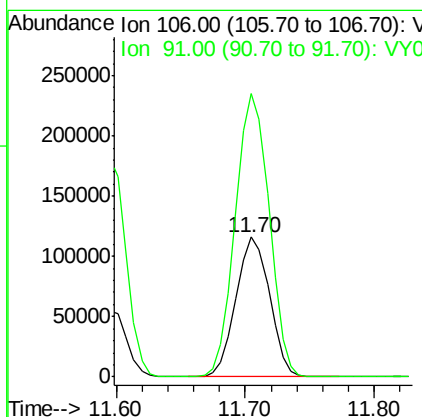
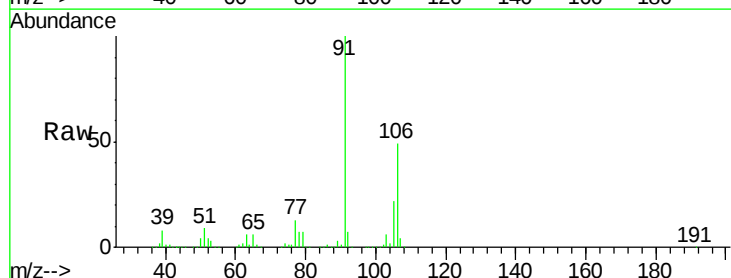
Manual Integrations
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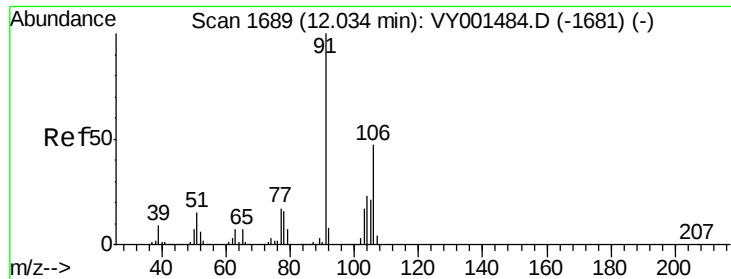
MMDadoda
2/5/2020 12:23:38 PM



#68
m/p-Xylenes
Concen: 40.591 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 106 Resp: 210551
Ion Ratio Lower Upper
106 100
91 203.8 163.6 245.4





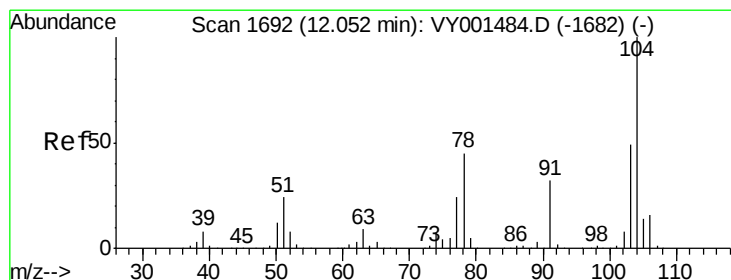
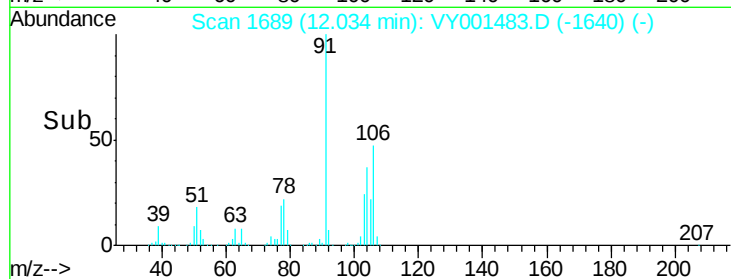
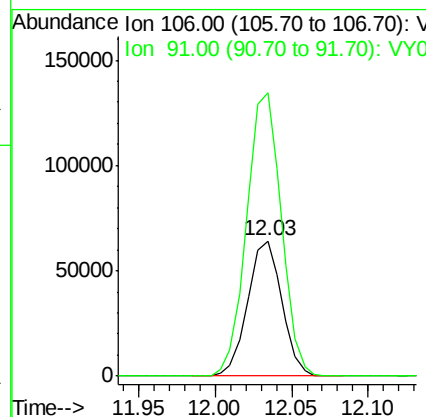
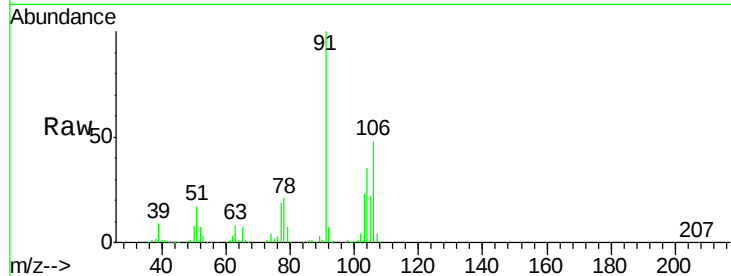
#69
o-Xylene
Concen: 19.952 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 99442
Ion Ratio Lower Upper
106 100
91 213.4 106.0 318.0

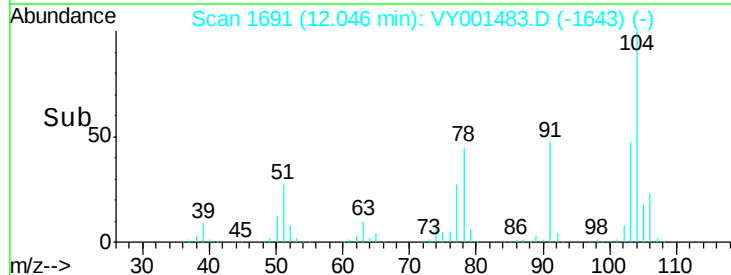
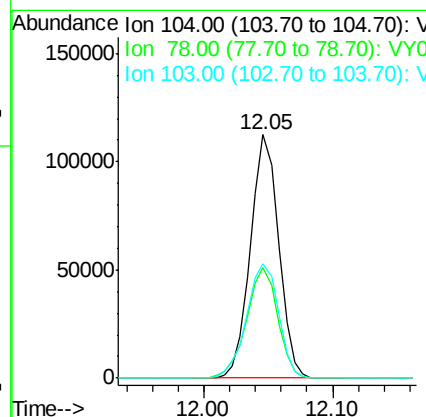
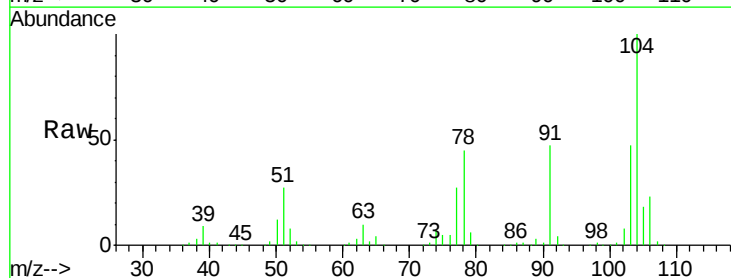
Manual Integrations
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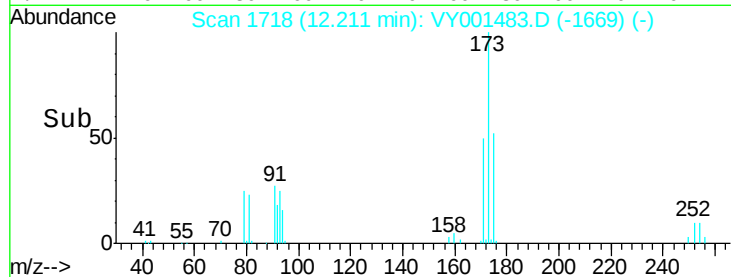
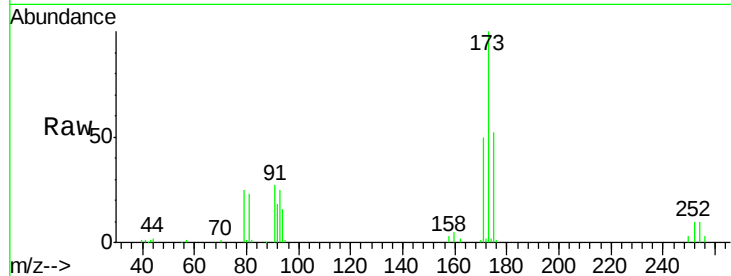
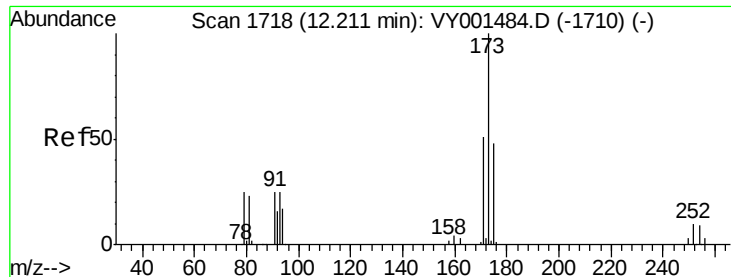
MMDadoda
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#70
Styrene
Concen: 19.451 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion:104 Resp: 169496
Ion Ratio Lower Upper
104 100
78 50.1 40.4 60.6
103 53.5 42.8 64.2





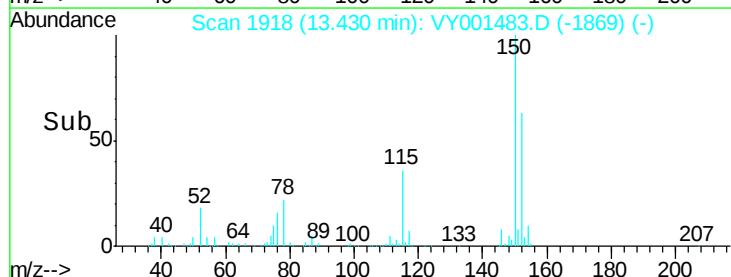
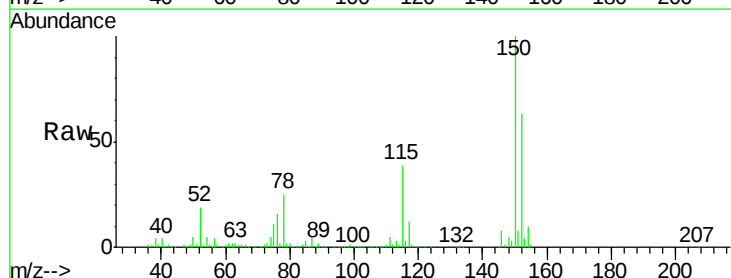
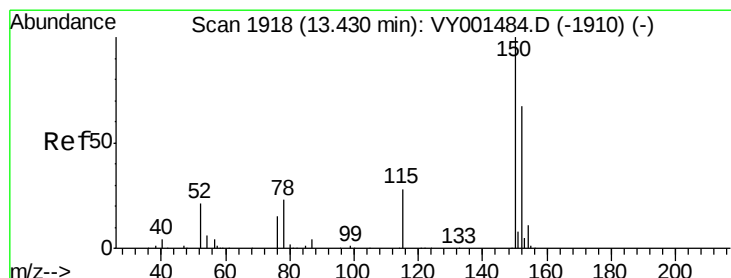
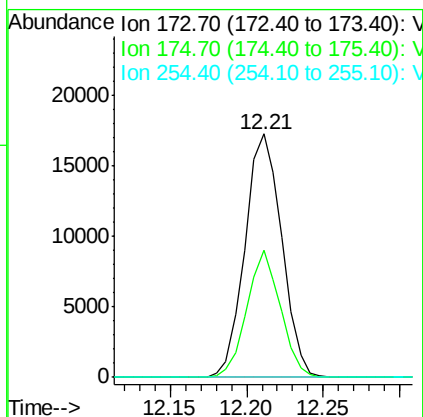
#71
Bromoform
Concen: 18.904 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.0	72.0
254	0.0	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

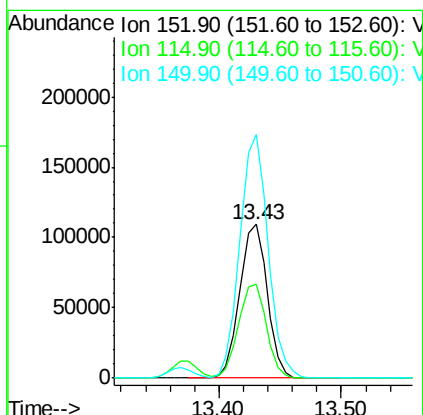
Manual Integrations
APPROVED

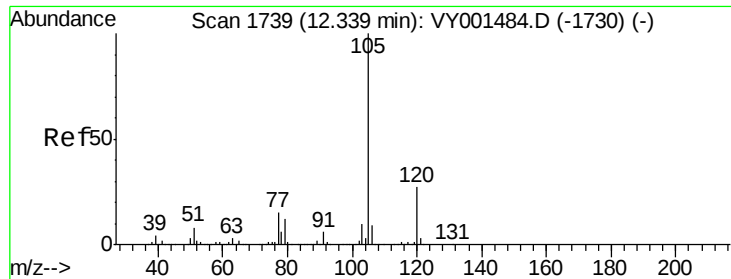
MMDadoda
2/5/2020 12:23:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.4	94.3
150	163.1	0.0	346.8





#73

Isopropylbenzene

Concen: 19.976 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 268641

Ion Ratio Lower Upper

105 100

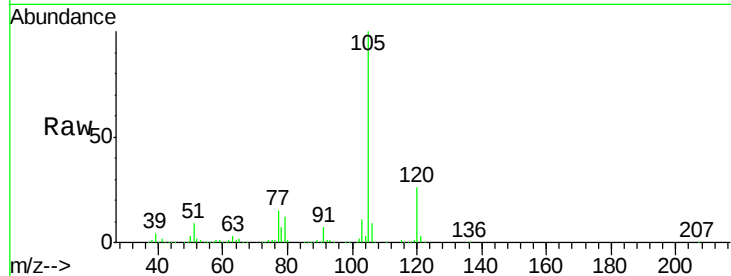
120 26.8 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

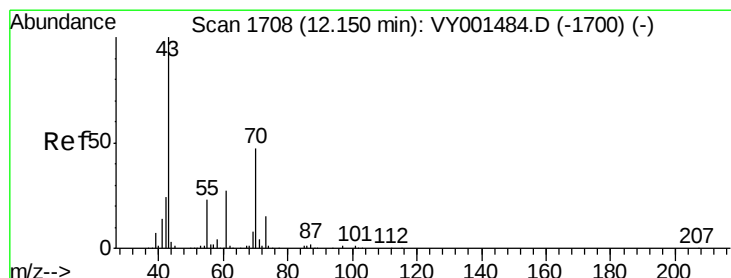
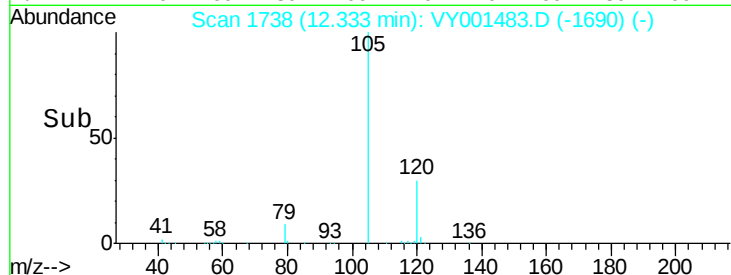
150000

100000

50000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 15.920 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion: 43 Resp: 67245

Ion Ratio Lower Upper

43 100

70 46.6 37.2 55.8

55 24.2 18.8 28.2

61 26.8 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

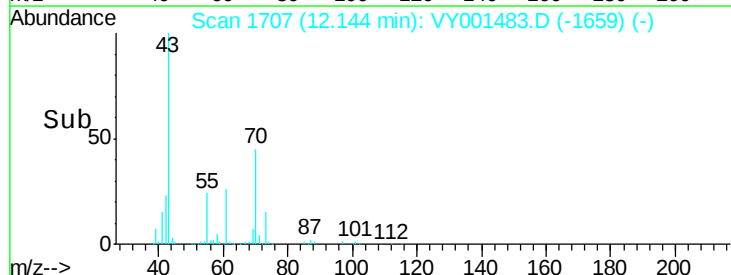
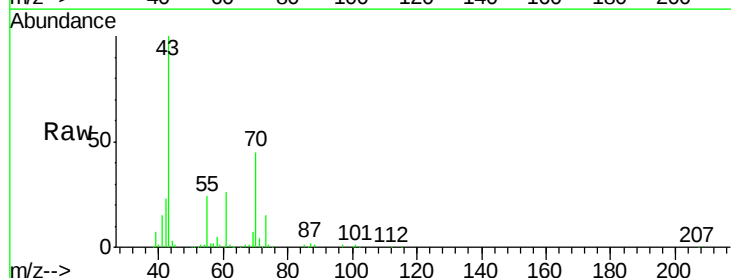
12.14

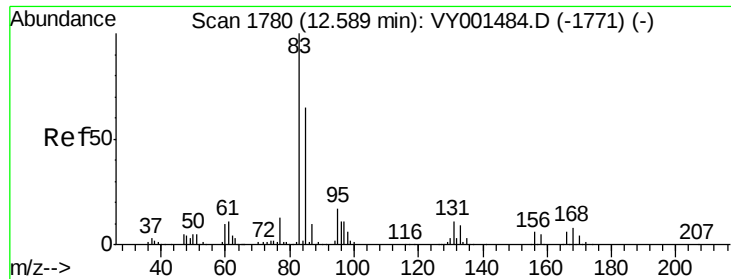
40000

20000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 17.989 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

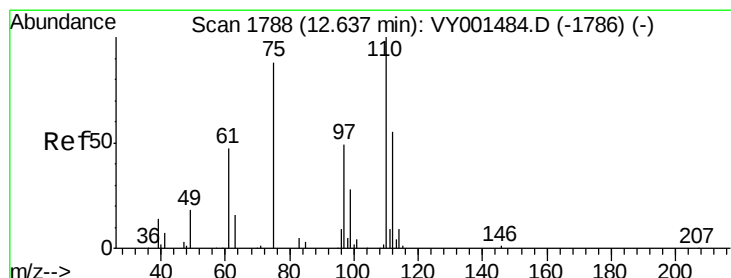
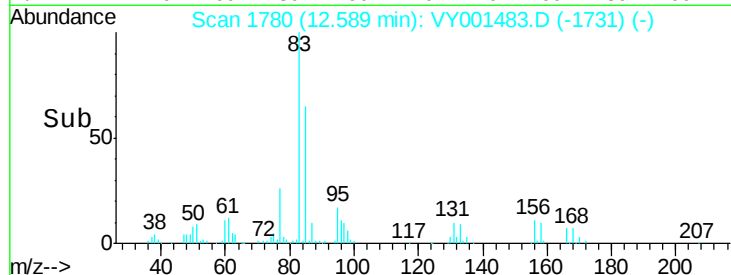
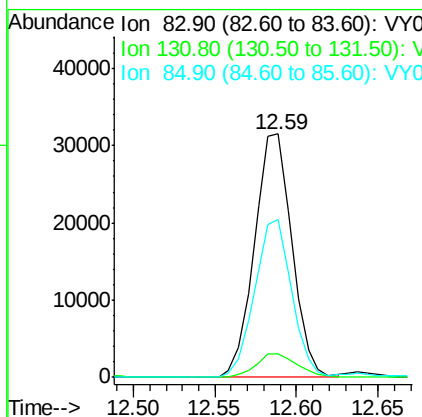
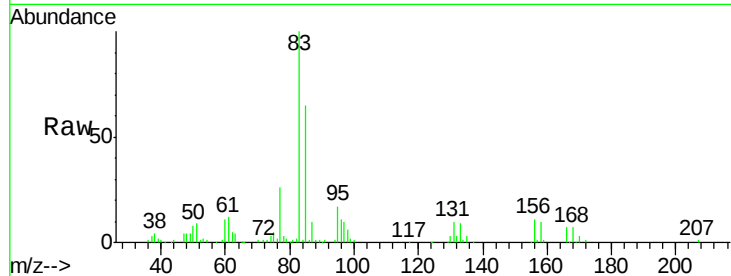
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	50450
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.175 ug/l m

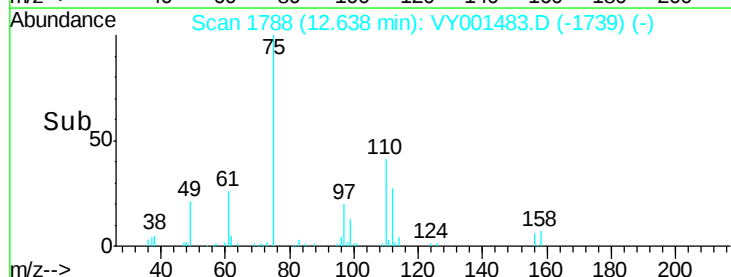
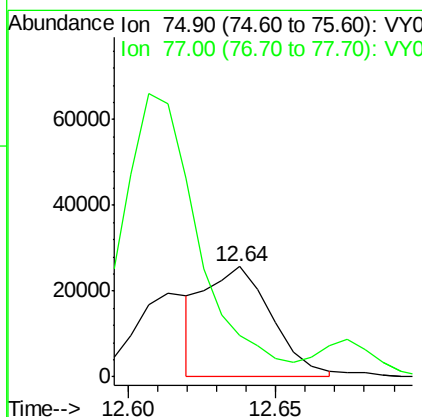
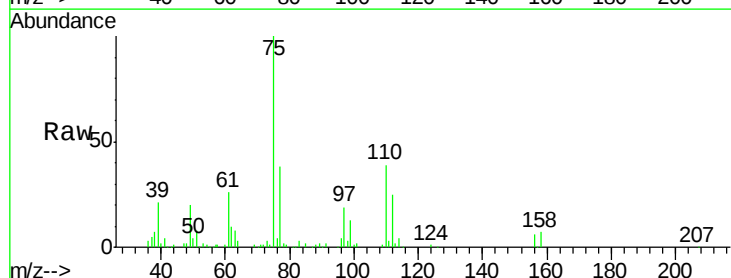
RT: 12.64 min Scan# 1788

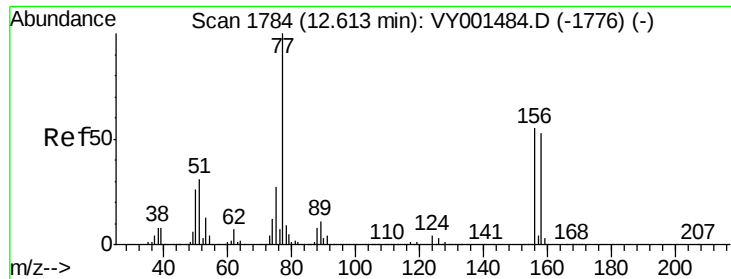
Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion:	75	Resp:	40620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





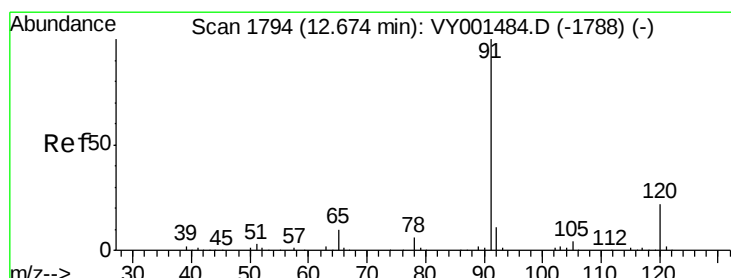
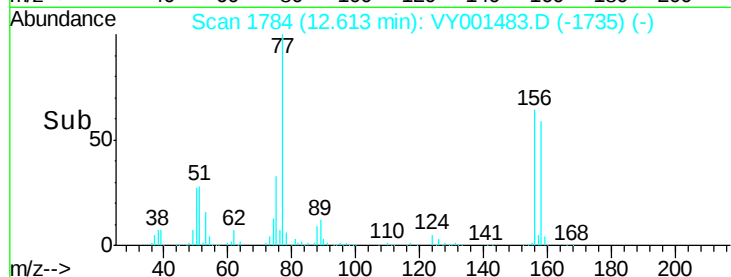
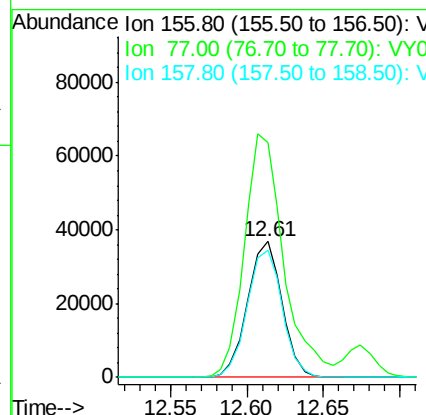
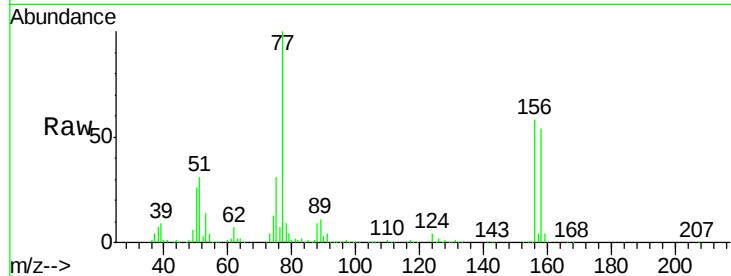
#77
Bromobenzene
Concen: 19.463 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.3	99.8	299.3
158	95.2	47.5	142.6

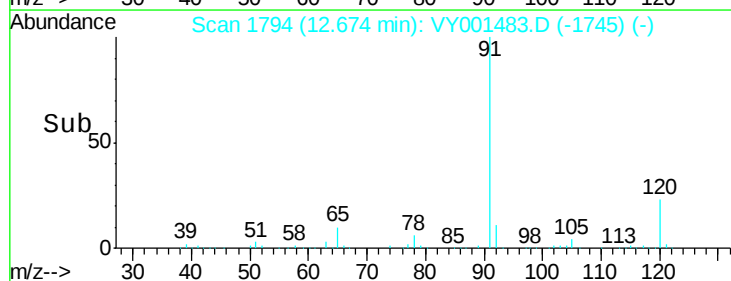
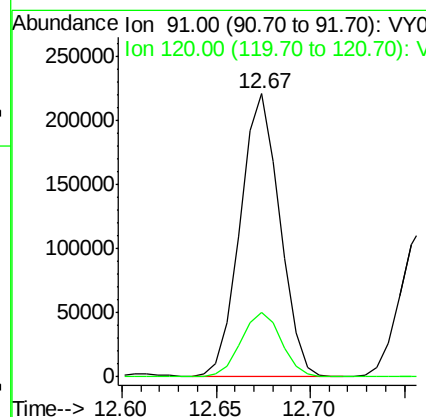
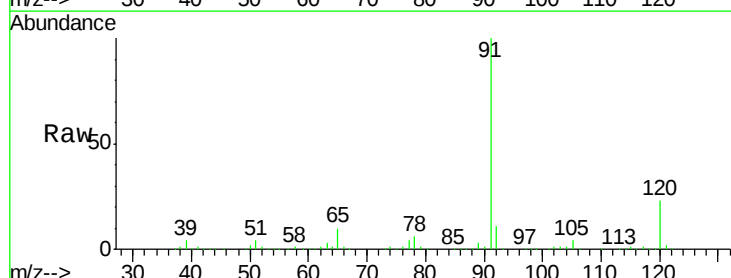
Manual Integrations
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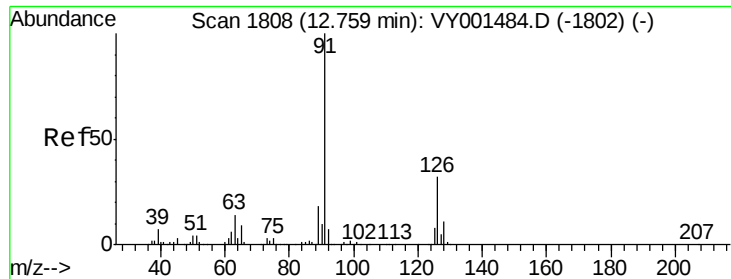
MMDadoda
2/5/2020 12:23:38 PM



#78
n-propylbenzene
Concen: 19.946 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2





#79

2-Chlorotoluene

Concen: 19.810 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 182841

Ion Ratio Lower Upper

91 100

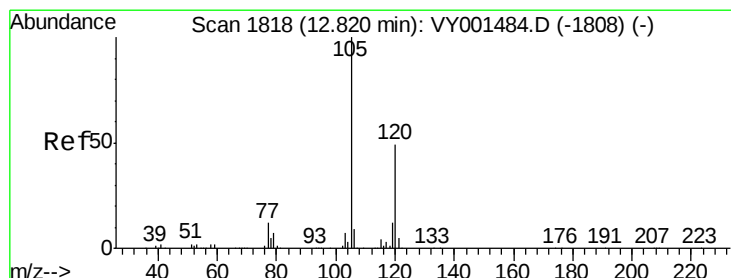
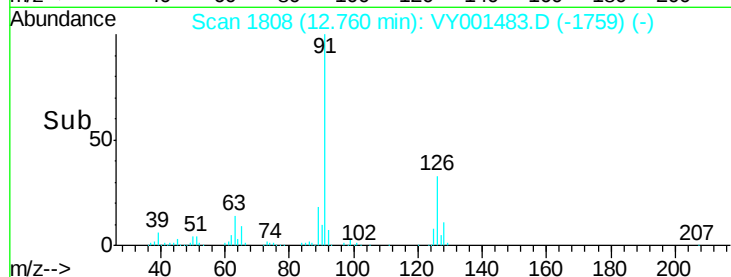
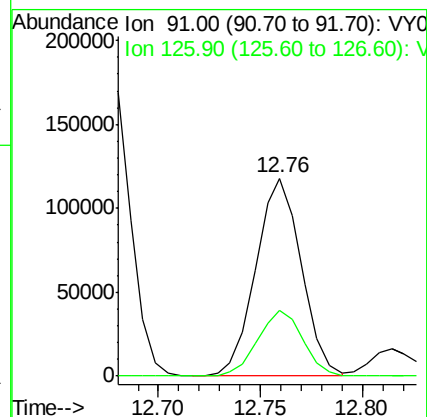
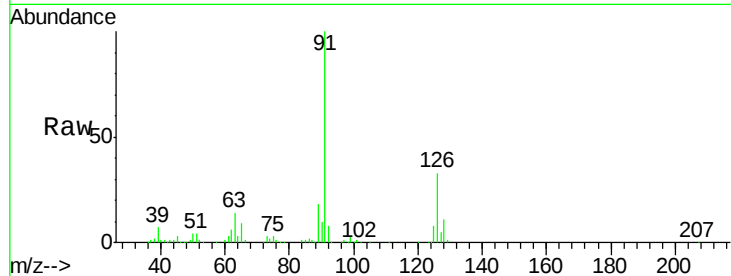
126 33.1 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.483 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001483.D

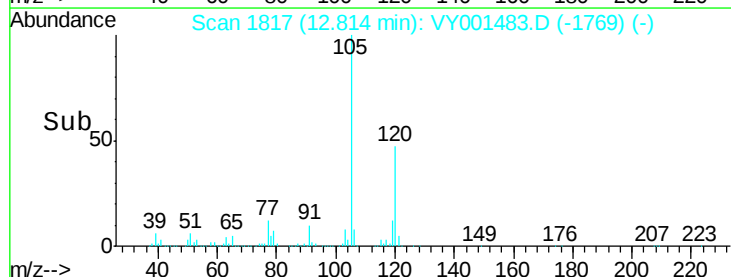
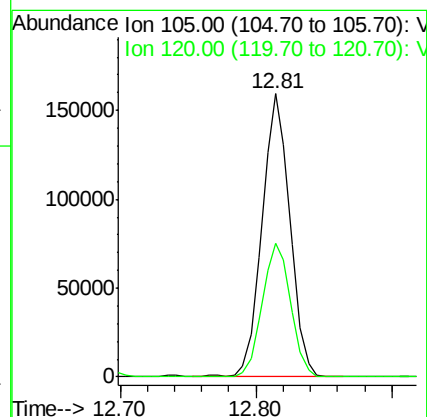
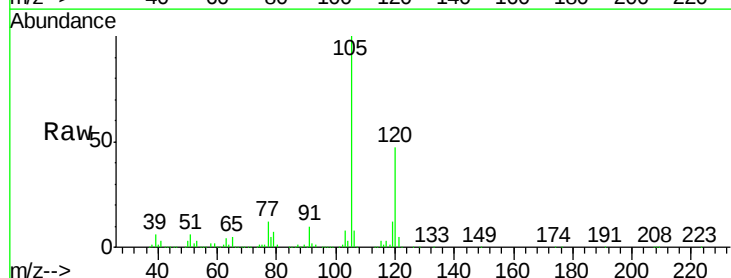
Acq: 04 Feb 2020 13:38

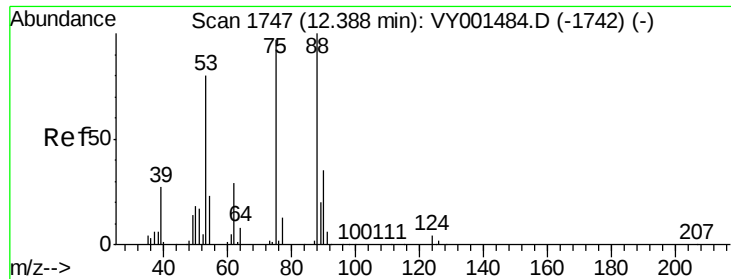
Tgt Ion: 105 Resp: 229960

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.939 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

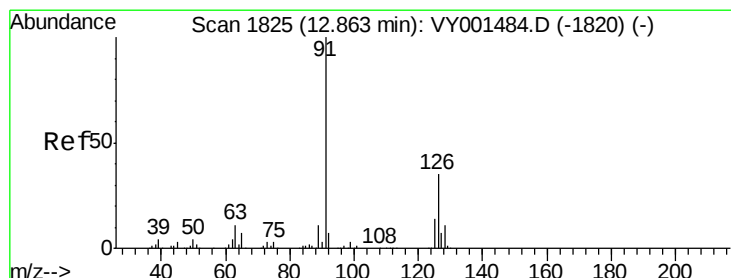
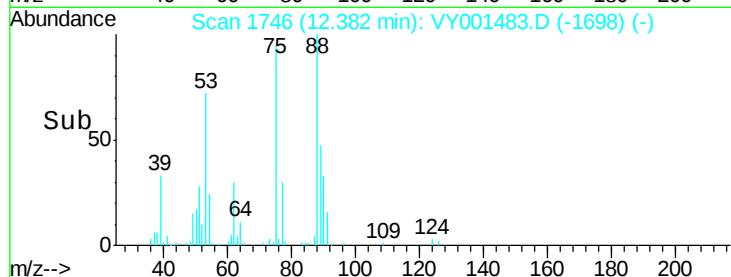
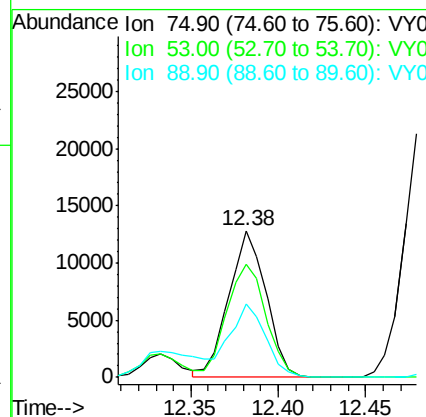
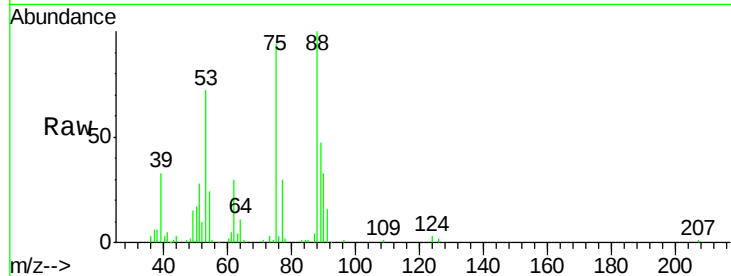
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	19054
Ion	Ratio	Lower	Upper
75	100		
53	80.9	67.7	101.5
89	46.4	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.742 ug/l

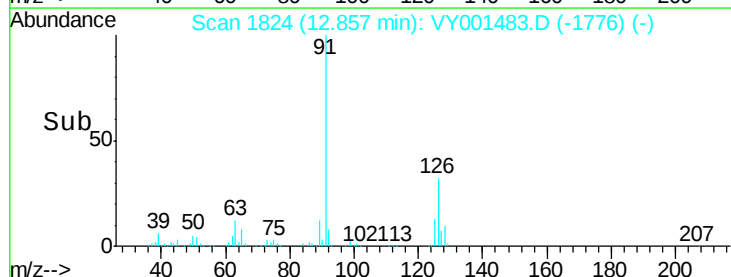
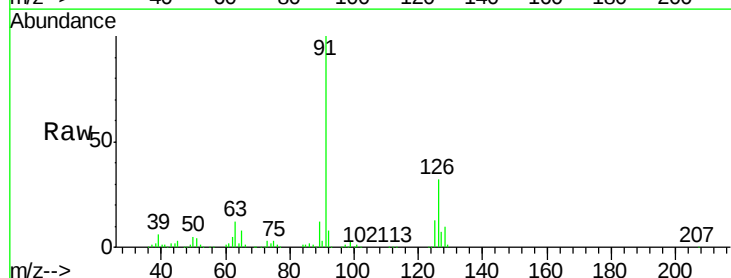
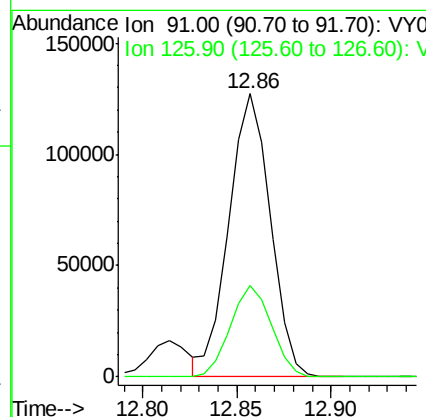
RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion:	91	Resp:	193913
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.5	49.5





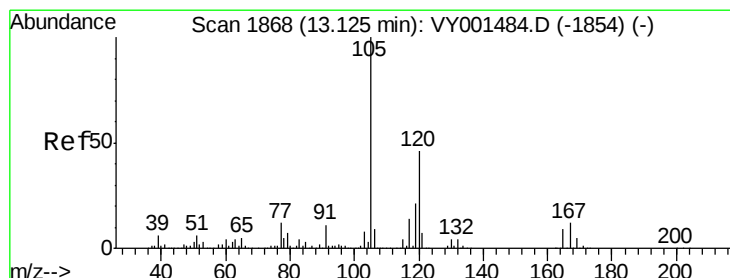
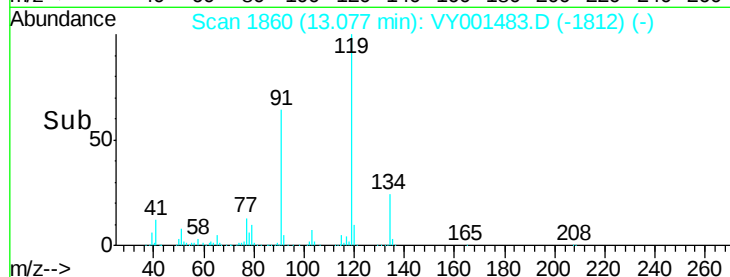
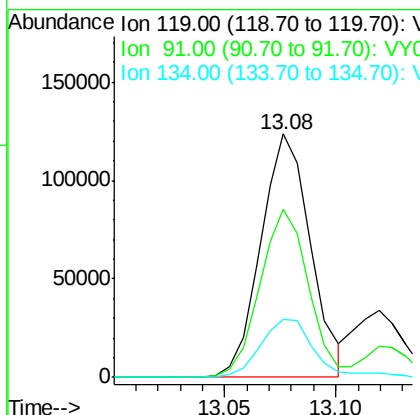
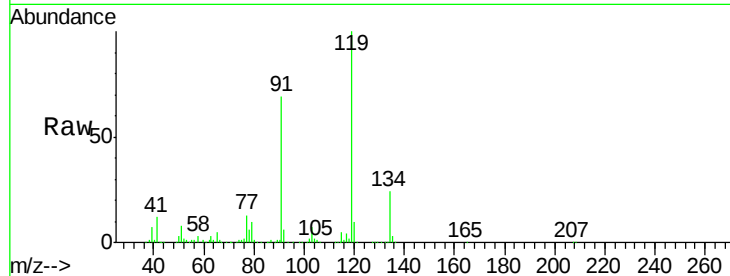
#83
tert-Butylbenzene
Concen: 20.219 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191391		
91	68.0	33.1	99.3	
134	26.3	13.0	39.0	

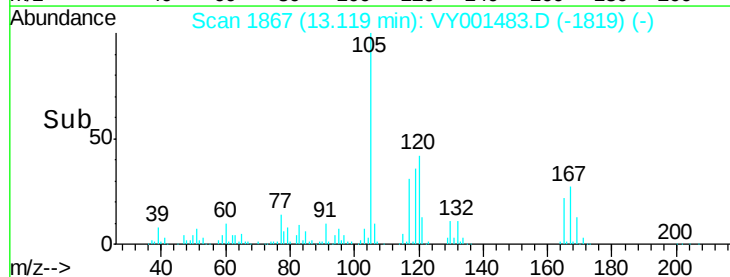
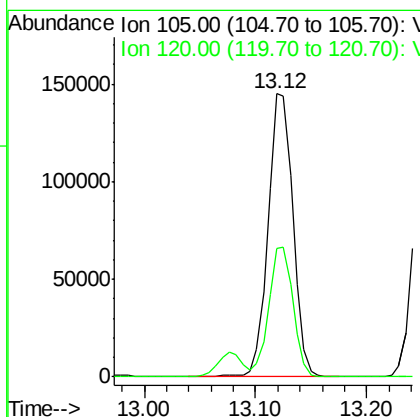
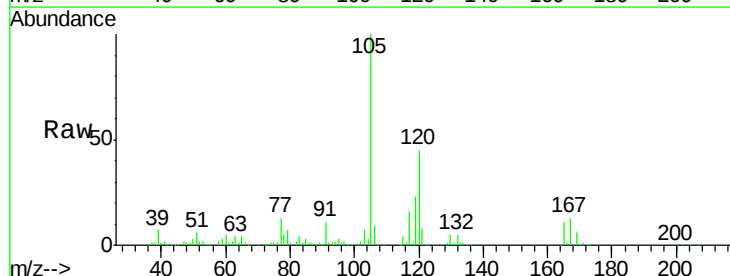
Manual Integrations
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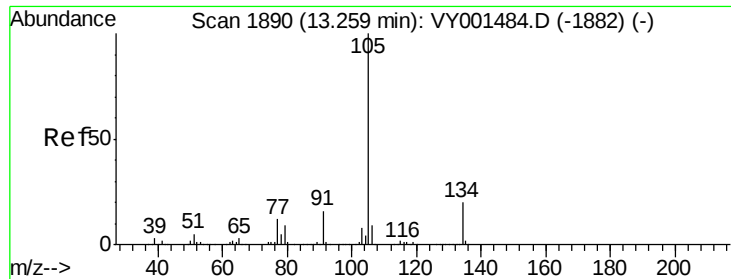
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.125 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226597		
120	44.7	22.4	67.0	





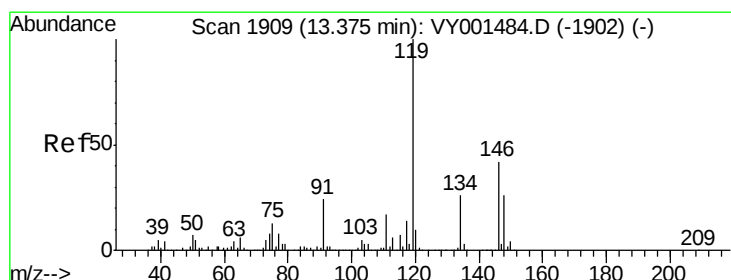
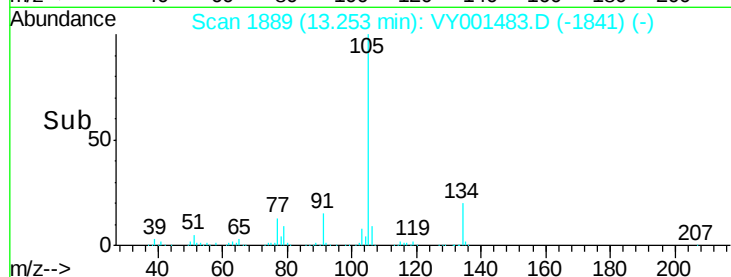
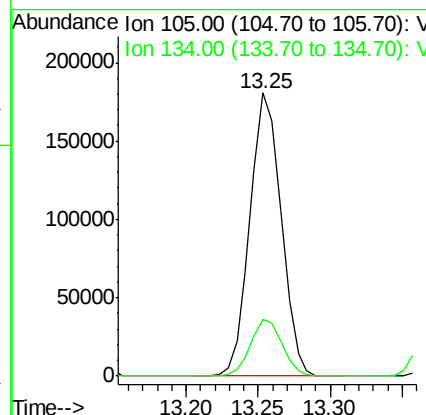
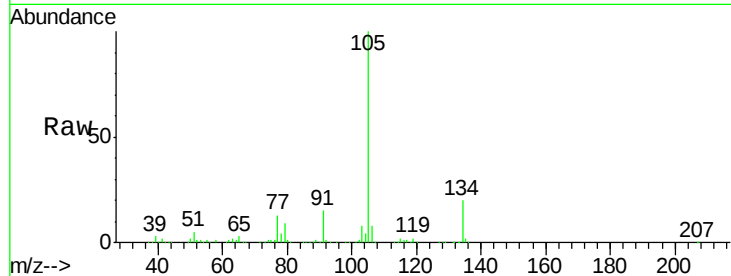
#85
 sec-Butylbenzene
 Concen: 20.228 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	29.8

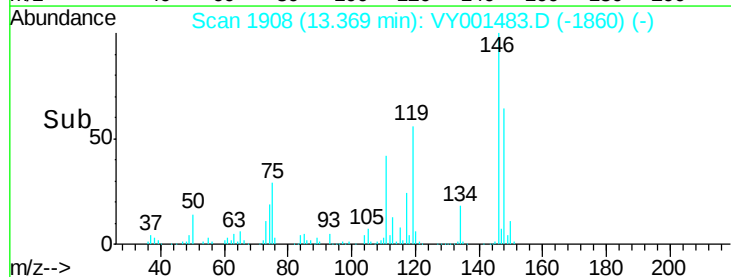
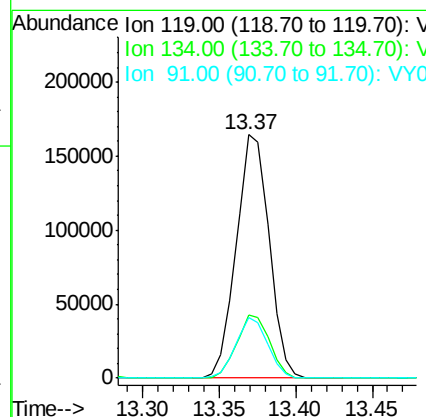
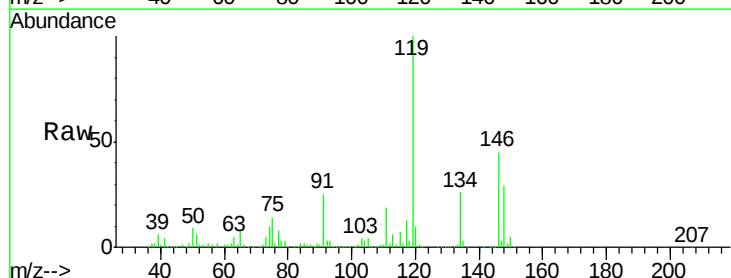
Manual Integrations
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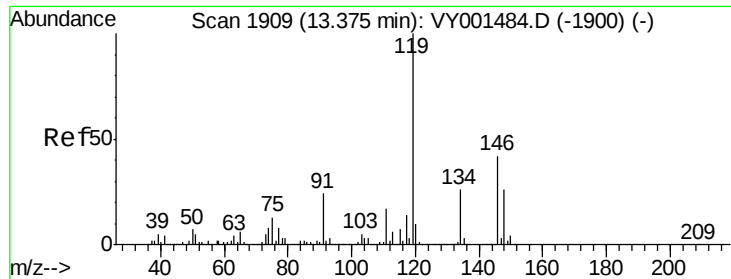
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#86
 p-Isopropyltoluene
 Concen: 20.655 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	24.2	12.2	36.6





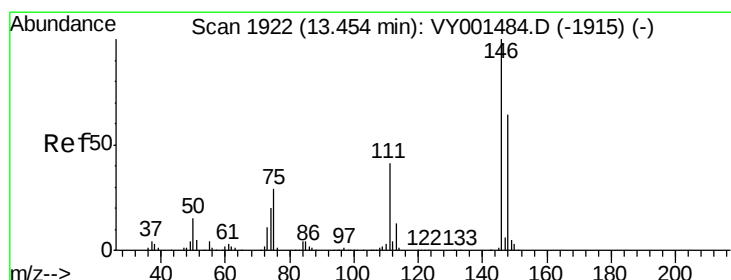
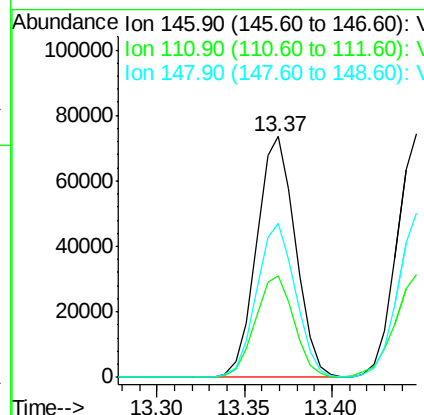
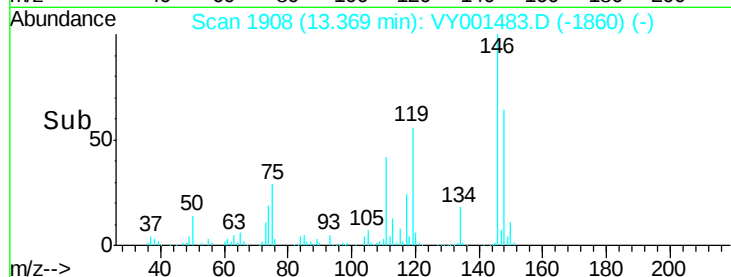
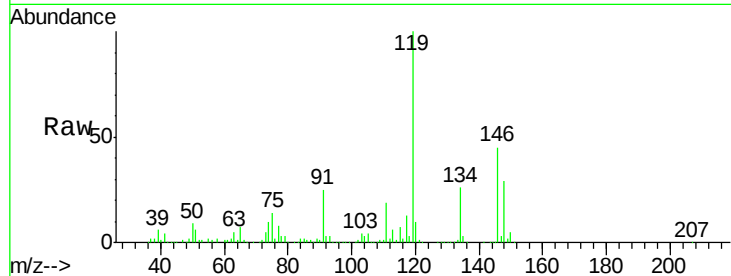
#87
 1,3-Dichlorobenzene
 Concen: 19.885 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.9
148	63.8	31.9	95.7

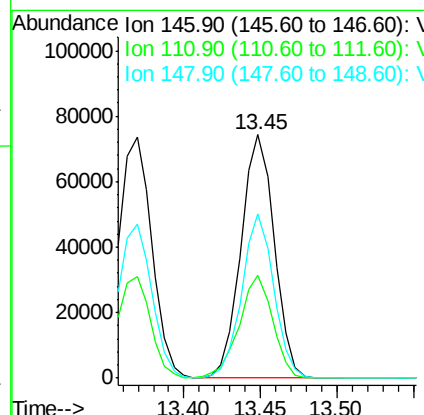
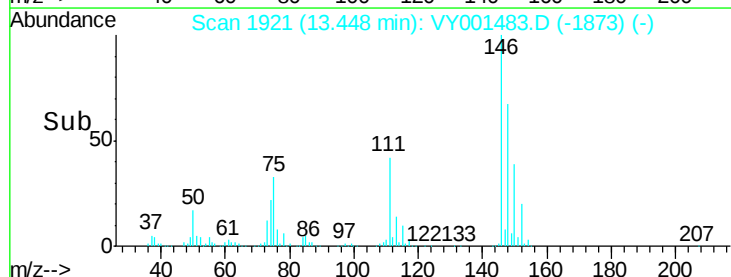
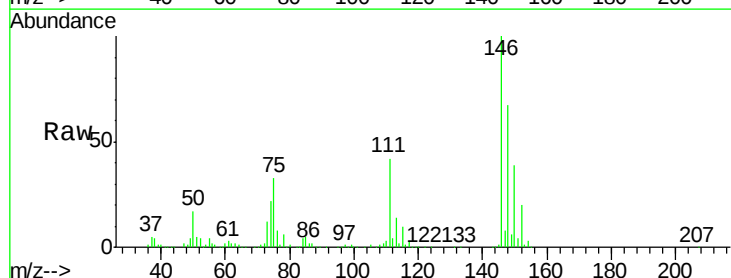
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.7	62.1
148	64.9	32.1	96.5





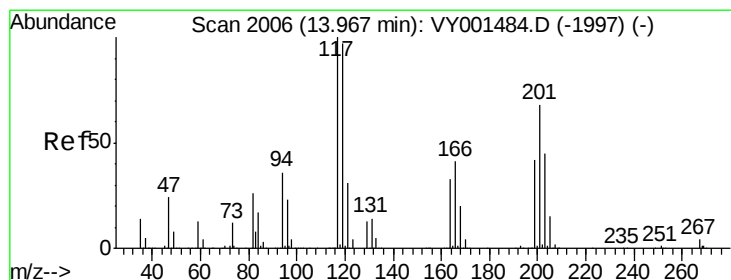
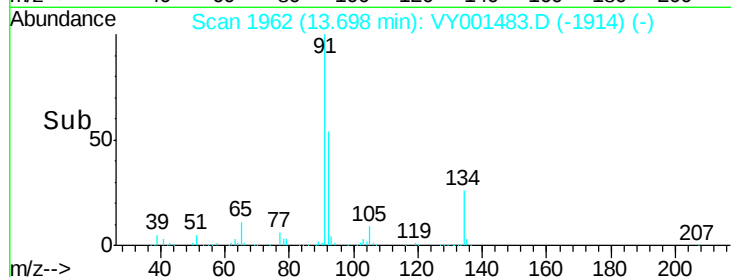
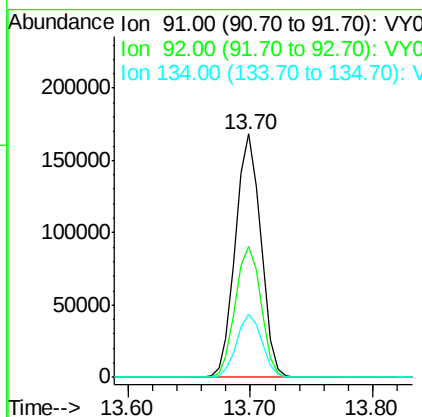
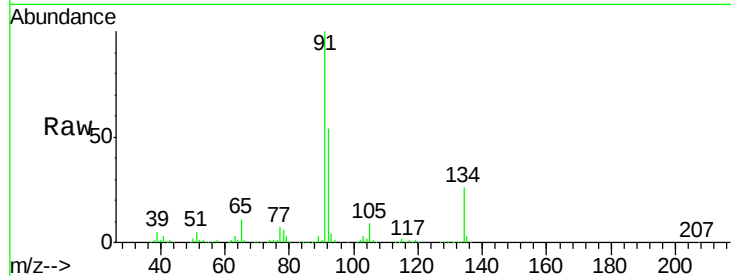
#89
n-Butylbenzene
Concen: 20.329 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	25.8	13.0	38.9

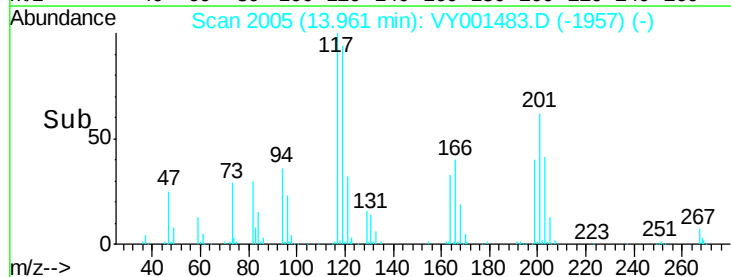
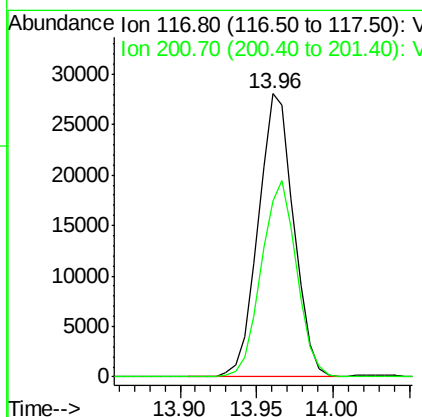
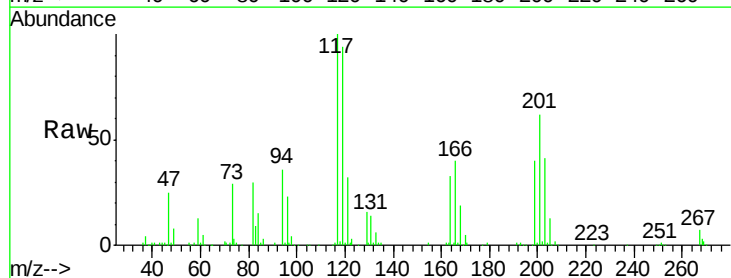
Manual Integrations
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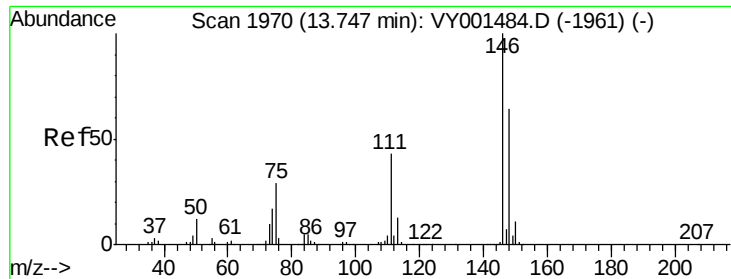
MMDadoda
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#90
Hexachloroethane
Concen: 20.183 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.1	102.3





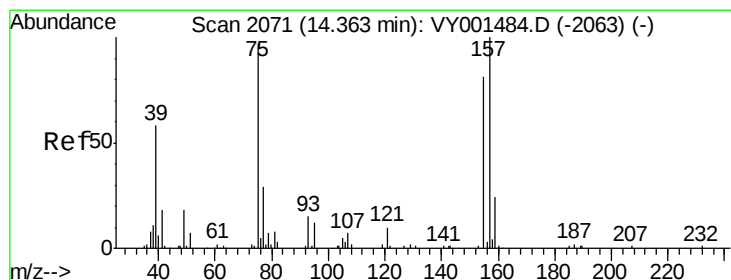
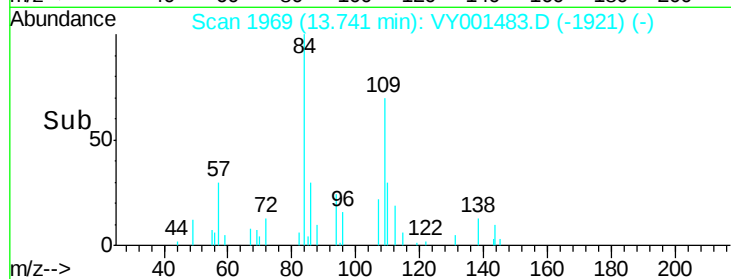
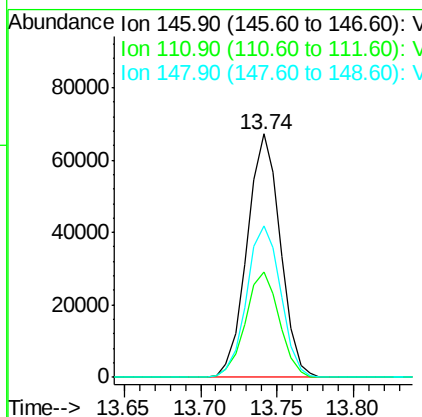
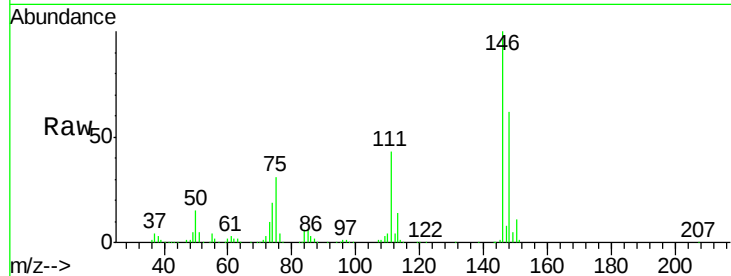
#91
 1,2-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.8
148	63.6	31.8	95.3

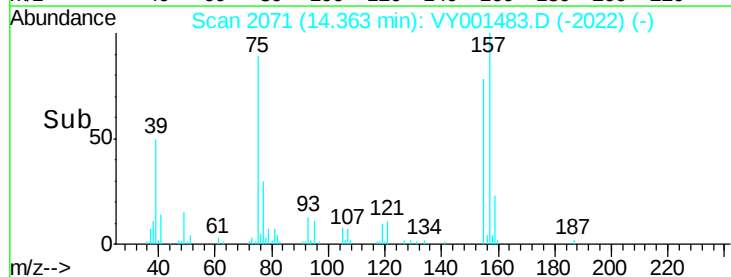
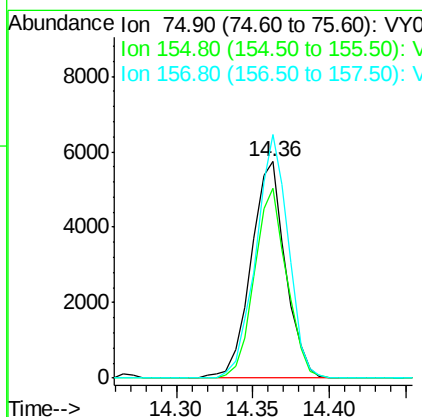
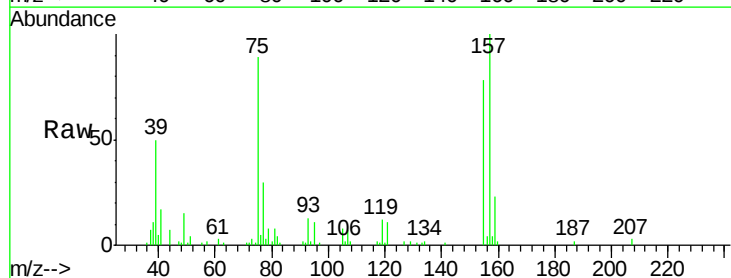
Manual Integrations
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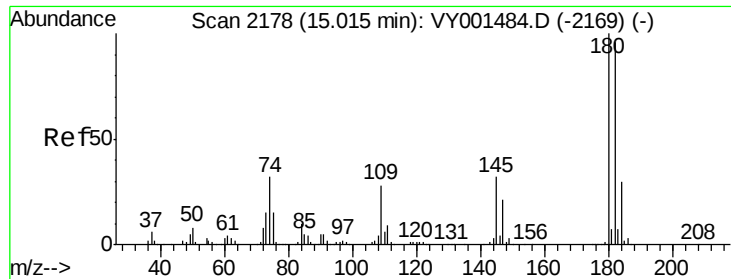
MMDadoda
 2/5/2020 12:23:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.383 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	40.7	122.1
157	106.0	52.3	157.1





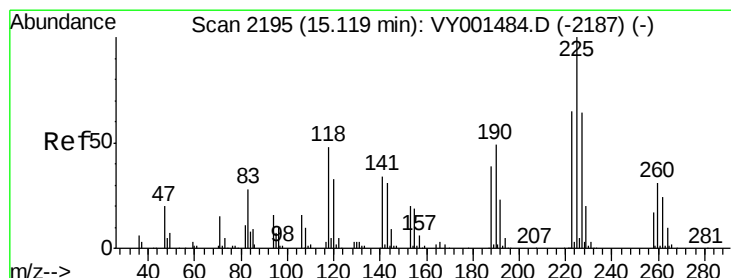
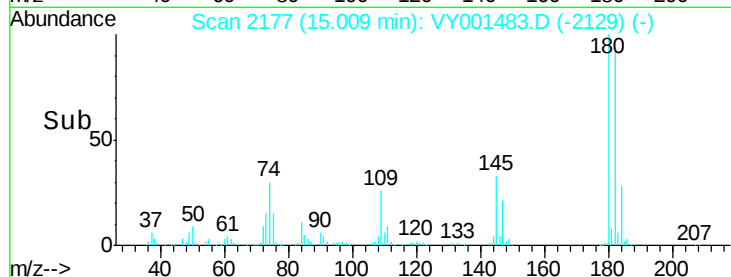
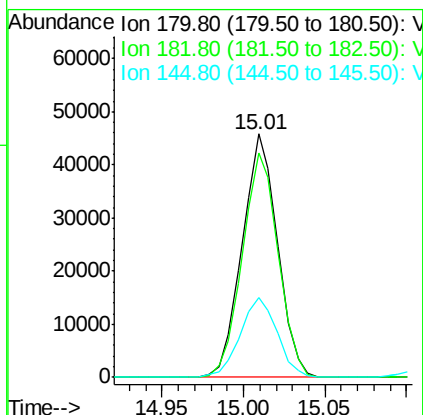
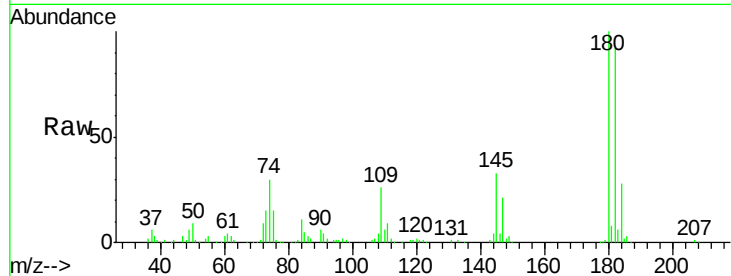
#93
1,2,4-Trichlorobenzene
Concen: 19.566 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69065		
182	93.8	46.9	140.7	
145	34.2	16.8	50.3	

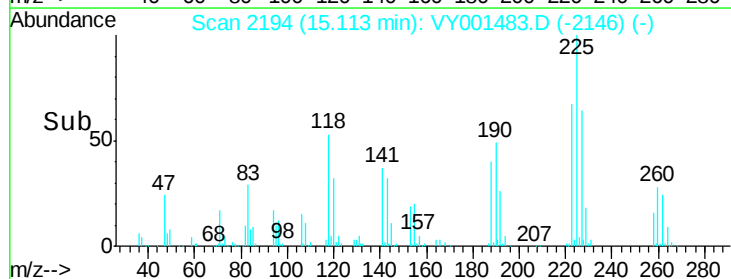
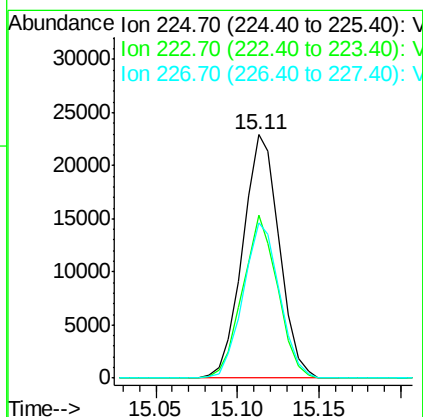
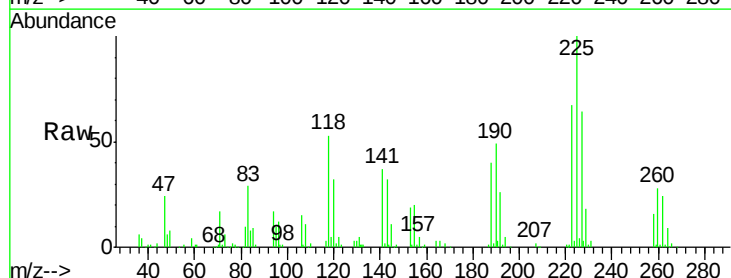
Manual Integrations
APPROVED

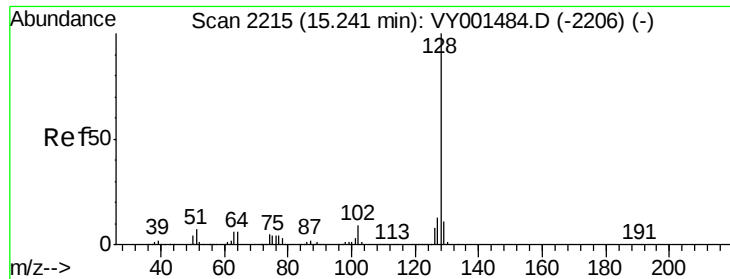
MMDadoda
2/5/2020 12:23:38 PM



#94
Hexachlorobutadiene
Concen: 20.649 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35695		
223	63.9	31.9	95.7	
227	63.4	32.6	97.7	





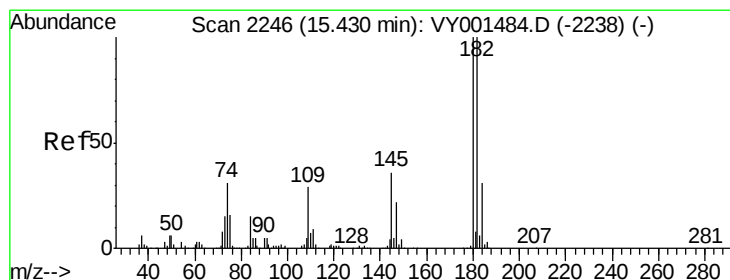
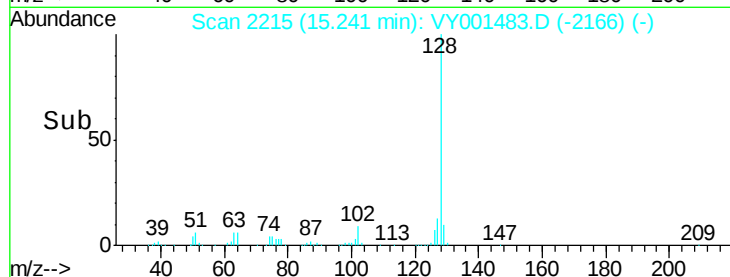
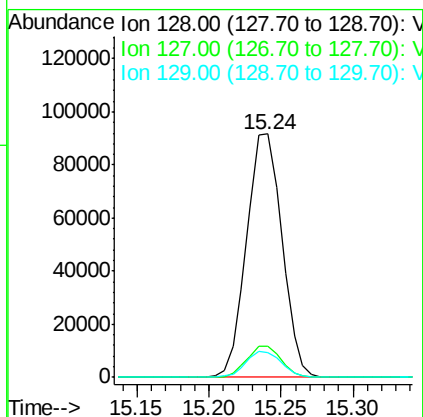
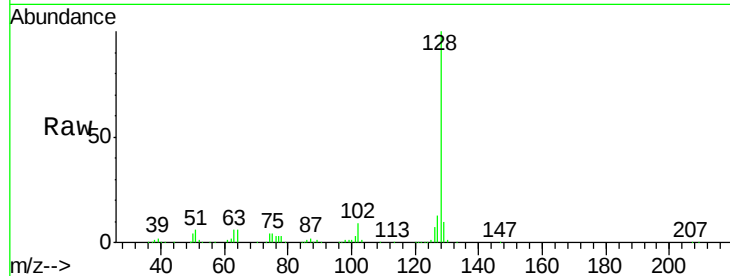
#95
Naphthalene
Concen: 19.509 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.870 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.0	144.2
145	34.6	17.8	53.5

