

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000485.D
 Acq On : 30 Oct 2019 11:24
 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
 10/31/2019 11:31:24 AM

Quant Time: Oct 30 13:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	344879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168432	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	48455	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
35) Dibromofluoromethane	7.73	113	47046	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
50) Toluene-d8	10.18	98	161347	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.48	95	67561	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	42953	18.475	ug/l	96
3) Chloromethane	2.12	50	63602	19.858	ug/l	99
4) Vinyl Chloride	2.25	62	57678	19.393	ug/l	91
5) Bromomethane	2.63	94	35997	20.183	ug/l	92
6) Chloroethane	2.79	64	36135	19.412	ug/l	89
7) Trichlorofluoromethane	3.12	101	79191	19.716	ug/l	98
8) Diethyl Ether	3.53	74	27285	19.118	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48380	19.923	ug/l	96
10) Methyl Iodide	4.09	142	51990	18.152	ug/l	98
11) Tert butyl alcohol	4.97	59	23963	100.715	ug/l	99
12) 1,1-Dichloroethene	3.87	96	46612	19.757	ug/l	98
13) Acrolein	3.74	56	19475	93.969	ug/l	90
14) Allyl chloride	4.48	41	73836	19.247	ug/l	99
15) Acrylonitrile	5.18	53	72227	98.791	ug/l	98
16) Acetone	3.95	43	57411	85.224	ug/l	92
17) Carbon Disulfide	4.19	76	145890	19.606	ug/l	98
18) Methyl Acetate	4.49	43	37504	17.905	ug/l	94
19) Methyl tert-butyl Ether	5.24	73	126163	19.233	ug/l	98
20) Methylene Chloride	4.72	84	56463	19.561	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	52589	19.717	ug/l	86
22) Diisopropyl ether	6.13	45	151922	18.220	ug/l	97
23) Vinyl Acetate	6.07	43	508122	96.536	ug/l	97
24) 1,1-Dichloroethane	6.02	63	86278	19.100	ug/l	97
25) 2-Butanone	7.00	43	98825	91.921	ug/l	92
26) 2,2-Dichloropropane	6.99	77	78250	18.955	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	57043	19.559	ug/l	97
28) Bromochloromethane	7.34	49	22345	12.247	ug/l #	14
29) Tetrahydrofuran	7.36	42	64476	98.031	ug/l	99
30) Chloroform	7.52	83	87406	19.128	ug/l	97
31) Cyclohexane	7.79	56	88701	18.748	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	78732	19.332	ug/l	99
36) 1,1-Dichloropropene	7.93	75	70987	19.594	ug/l	97
37) Ethyl Acetate	7.08	43	45165	20.998	ug/l #	94
38) Carbon Tetrachloride	7.91	117	70575	20.245	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91356	19.519	ug/l	98
40) Benzene	8.17	78	208262	19.608	ug/l	97
41) Methacrylonitrile	7.34	41	26382m	21.995	ug/l	
42) 1,2-Dichloroethane	8.25	62	60321	20.024	ug/l	100
43) Isopropyl Acetate	8.28	43	80226	19.856	ug/l	99
44) Trichloroethene	8.95	130	57770	20.629	ug/l	83
45) 1,2-Dichloropropane	9.22	63	50339	19.257	ug/l	92
46) Dibromomethane	9.32	93	28767	20.009	ug/l	97
47) Bromodichloromethane	9.50	83	66263	19.425	ug/l	95
48) Methyl methacrylate	9.30	41	35808	20.283	ug/l	95
49) 1,4-Dioxane	9.30	88	8196	423.591	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	212186	98.773	ug/l	98
52) Toluene	10.25	92	133707	19.911	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	69533	19.076	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	79831	19.118	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	39941	19.208	ug/l	96
56) Ethyl methacrylate	10.51	69	56898	19.306	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71814	19.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	129569	97.244	ug/l	100
59) 2-Hexanone	10.83	43	151297	96.664	ug/l	99
60) Dibromochloromethane	10.99	129	46550	19.544	ug/l	100
61) 1,2-Dibromoethane	11.09	107	39770	19.891	ug/l	99
64) Tetrachloroethene	10.72	164	57870	20.293	ug/l	97
65) Chlorobenzene	11.52	112	138413	19.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	47699	19.669	ug/l	98
67) Ethyl Benzene	11.60	91	251663	19.556	ug/l	99
68) m/p-Xylenes	11.70	106	192263	38.601	ug/l	97
69) o-Xylene	12.03	106	92183	19.693	ug/l	97
70) Styrene	12.04	104	153443	19.143	ug/l	99
71) Bromoform	12.20	173	27176	19.484	ug/l #	100
73) Isopropylbenzene	12.33	105	242223	19.458	ug/l	100
74) N-amyl acetate	12.14	43	69559	19.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	47963	19.459	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	34059m	10.935	ug/l	
77) Bromobenzene	12.61	156	55737	19.744	ug/l	97
78) n-propylbenzene	12.67	91	294835	19.629	ug/l	98
79) 2-Chlorotoluene	12.75	91	162863	19.531	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	208130	20.075	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16216	18.958	ug/l	95
82) 4-Chlorotoluene	12.85	91	169385	19.597	ug/l	99
83) tert-Butylbenzene	13.07	119	174147	19.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	204184	19.780	ug/l	99
85) sec-Butylbenzene	13.25	105	248110	19.673	ug/l	99
86) p-Isopropyltoluene	13.37	119	224920	20.010	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	108267	19.581	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	109486	19.816	ug/l	99
89) n-Butylbenzene	13.69	91	217283	19.599	ug/l	99
90) Hexachloroethane	13.95	117	40602	19.539	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	99840	19.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8559	19.621	ug/l	98

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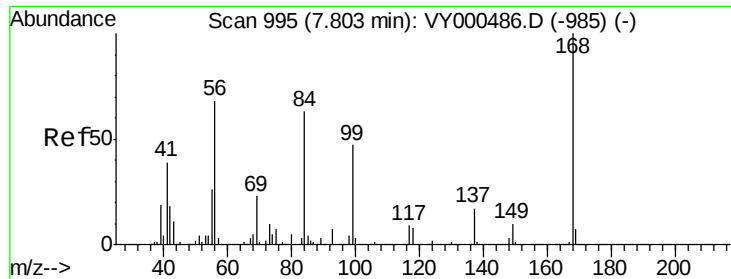
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	69548	20.360	ug/l	97
94) Hexachlorobutadiene	15.11	225	36526	20.744	ug/l	97
95) Naphthalene	15.23	128	152819	20.153	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60973	19.896	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

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MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 236185

Ion Ratio Lower Upper

168 100

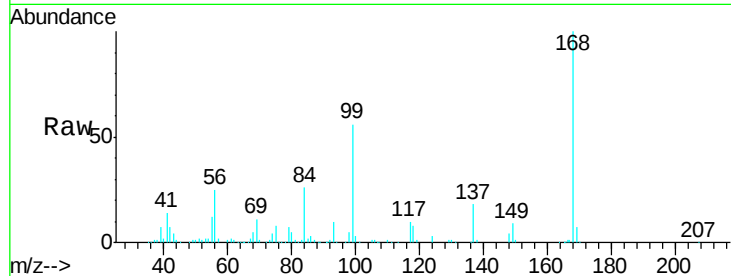
99 56.1 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

60000

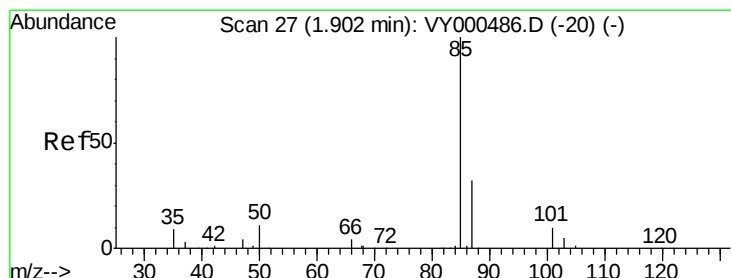
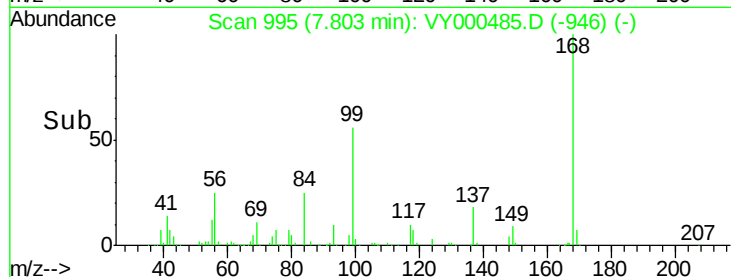
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.475 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000485.D

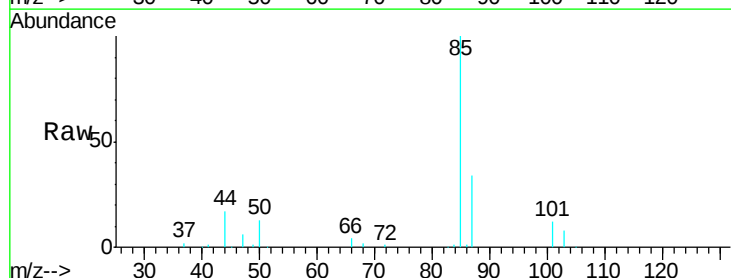
Acq: 30 Oct 2019 11:24

Tgt Ion: 85 Resp: 42953

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

30000

25000

20000

15000

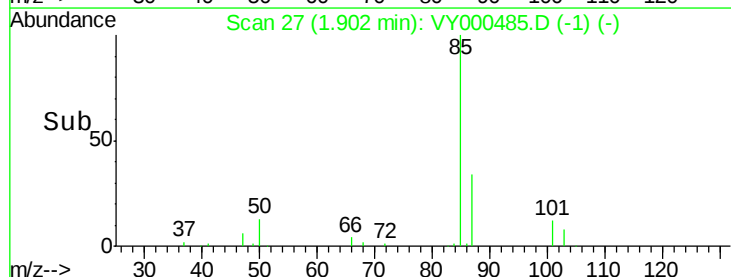
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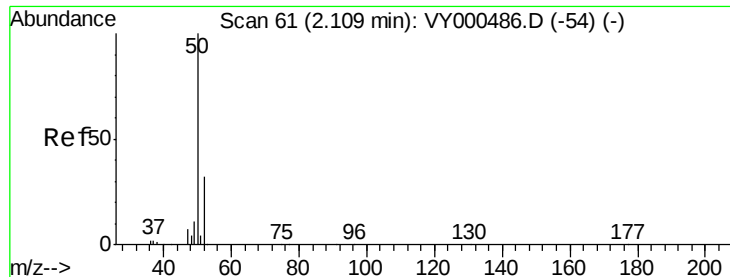
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.858 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

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ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 63602

Ion Ratio Lower Upper

50 100

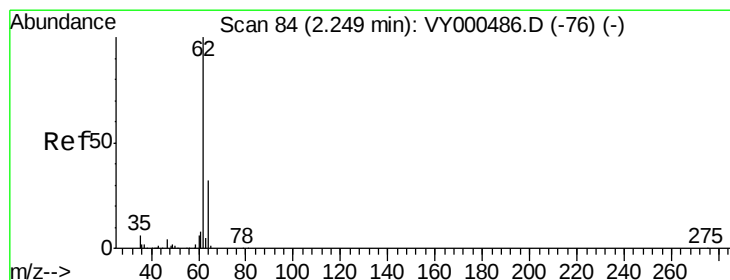
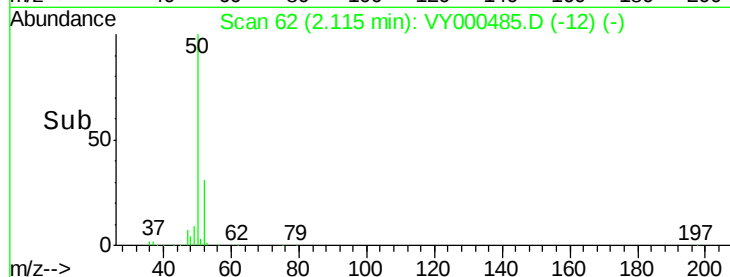
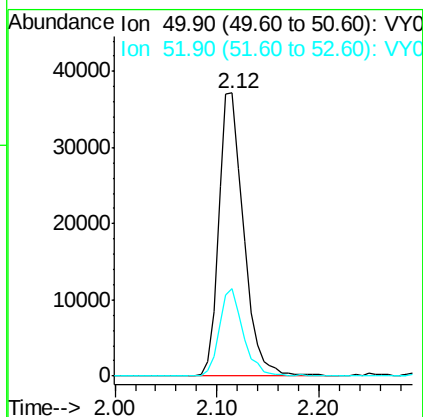
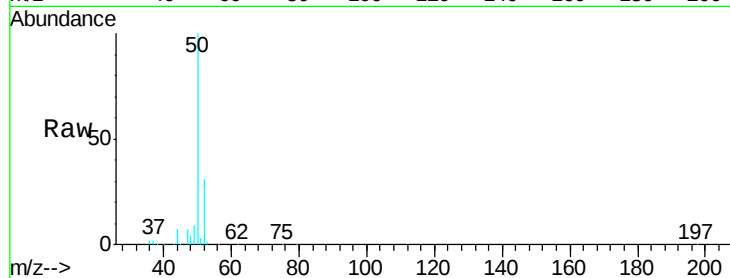
52 30.7 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.393 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000485.D

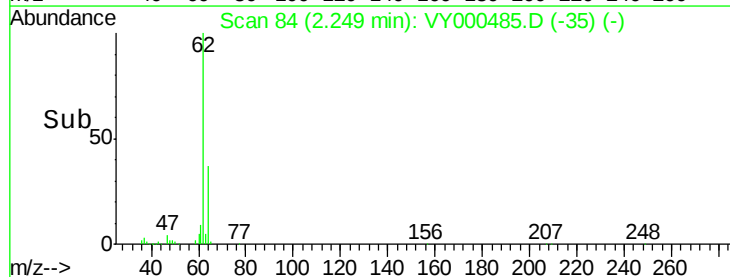
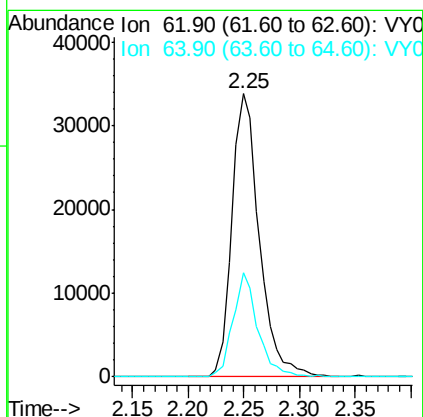
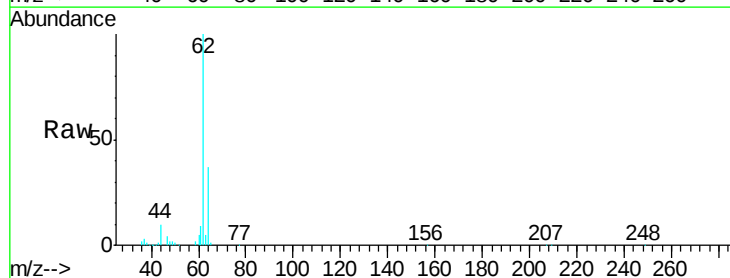
Acq: 30 Oct 2019 11:24

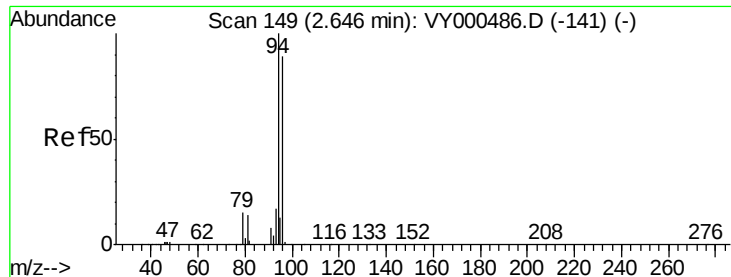
Tgt Ion: 62 Resp: 57678

Ion Ratio Lower Upper

62 100

64 36.8 25.2 37.8





#5

Bromomethane

Concen: 20.183 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

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Tgt Ion: 94 Resp: 35997

Ion Ratio Lower Upper

94 100

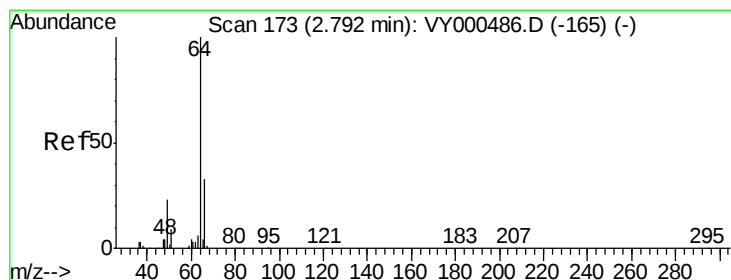
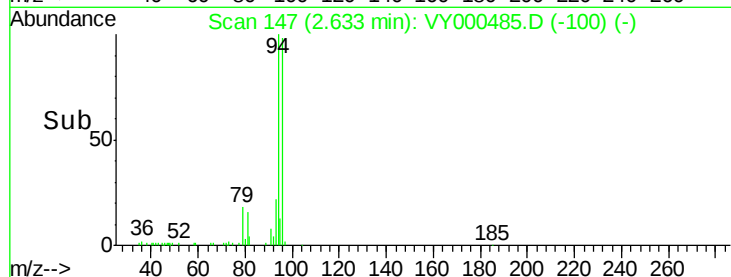
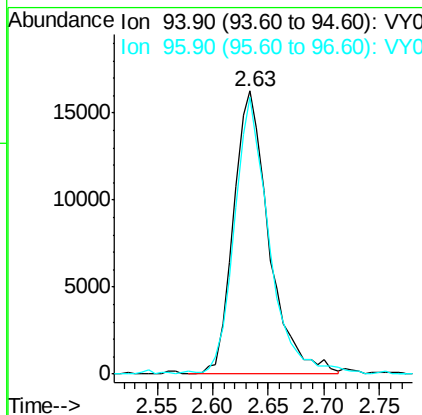
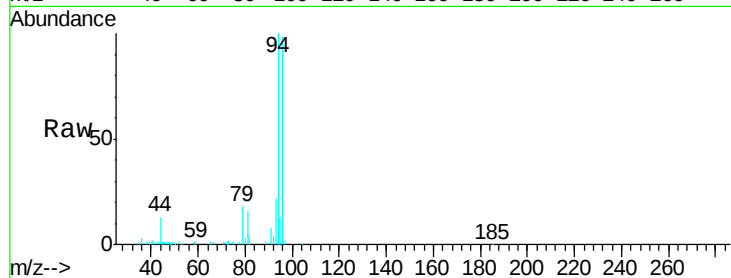
96 96.6 71.2 106.8

Manual Integrations

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#6

Chloroethane

Concen: 19.412 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000485.D

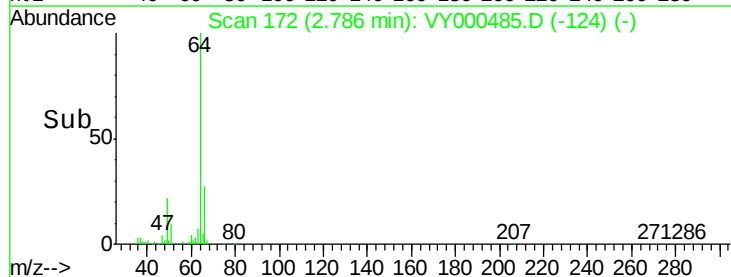
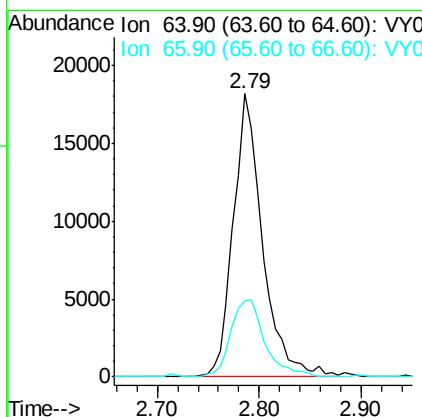
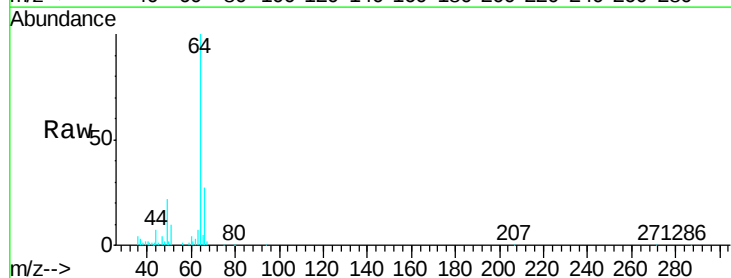
Acq: 30 Oct 2019 11:24

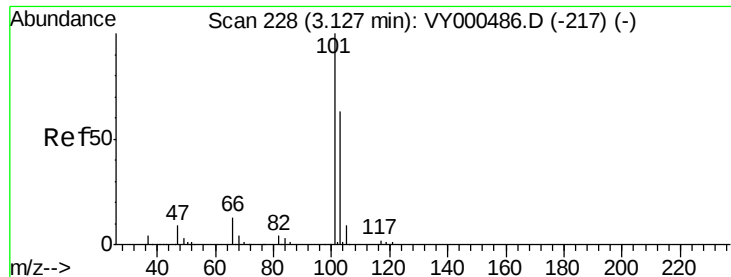
Tgt Ion: 64 Resp: 36135

Ion Ratio Lower Upper

64 100

66 27.0 26.6 40.0





#7

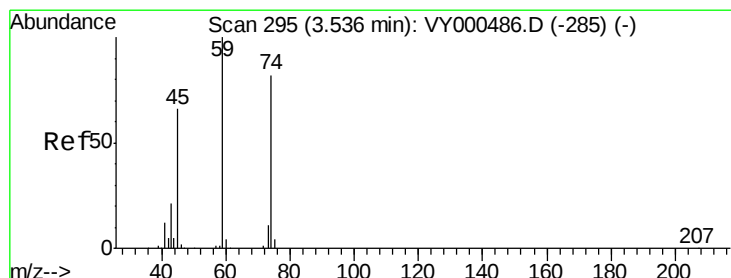
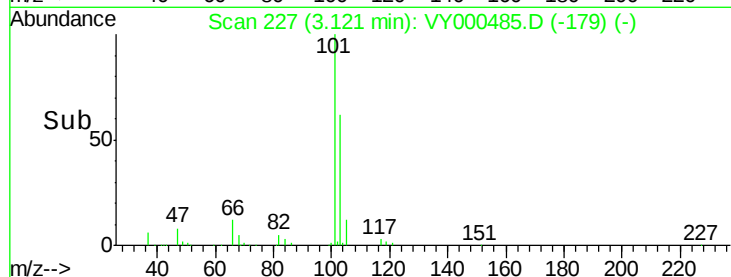
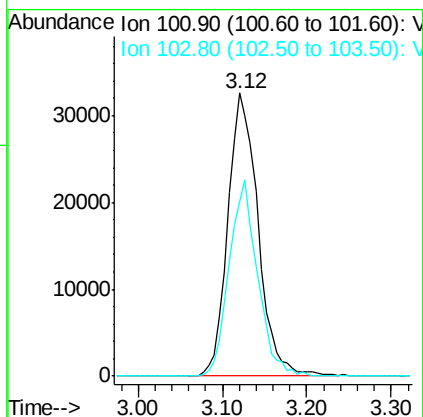
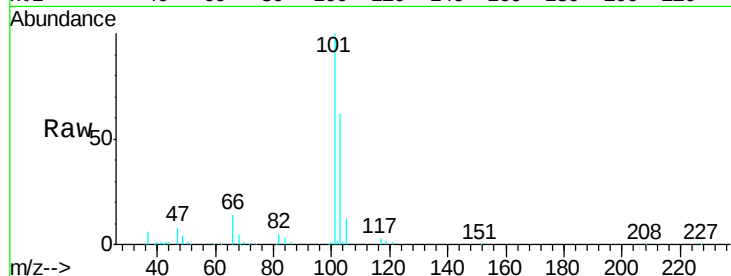
Trichlorofluoromethane
 Concen: 19.716 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000485.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	79191		
103	61.7	50.5	75.7	

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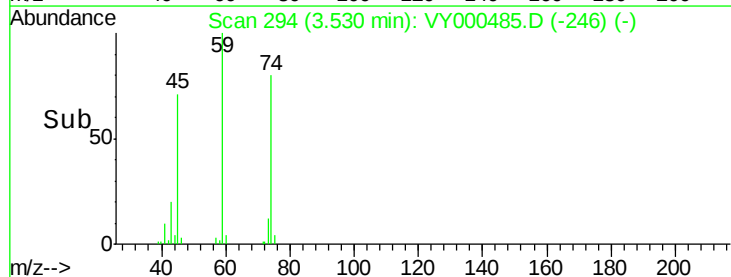
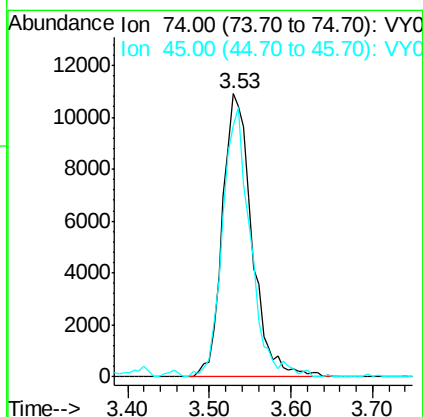
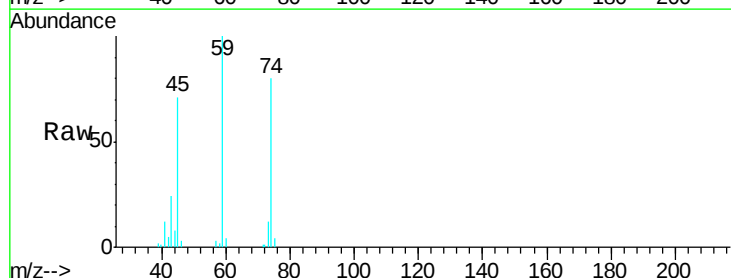
MMDadoda
 10/31/2019 11:31:24 AM

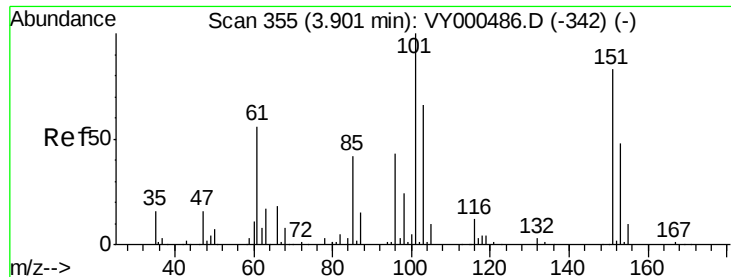


#8

Diethyl Ether
 Concen: 19.118 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27285		
45	87.6	45.5	136.4	





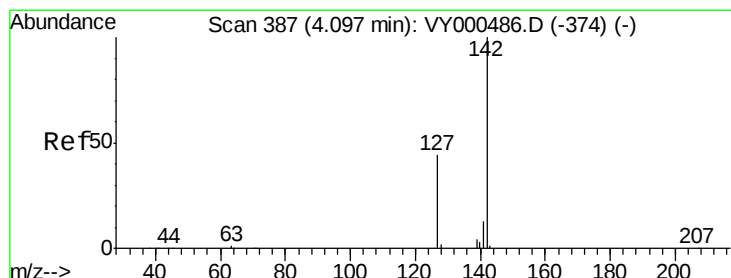
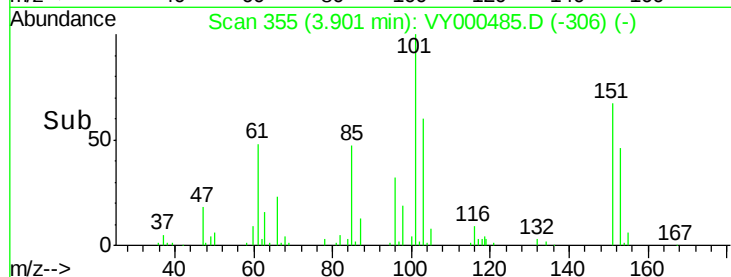
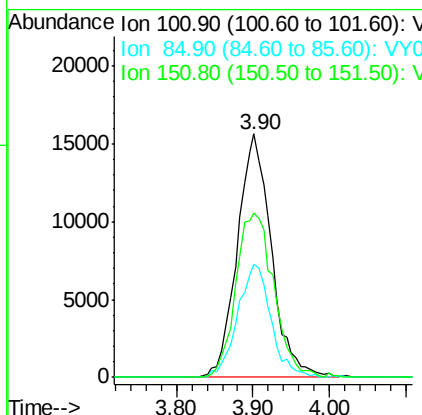
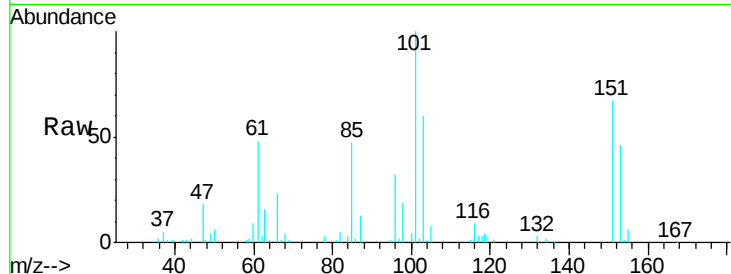
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.923 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.00 min
Lab File: VY000485.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	48380		
85	45.3	36.7	55.1	
151	74.9	64.3	96.5	

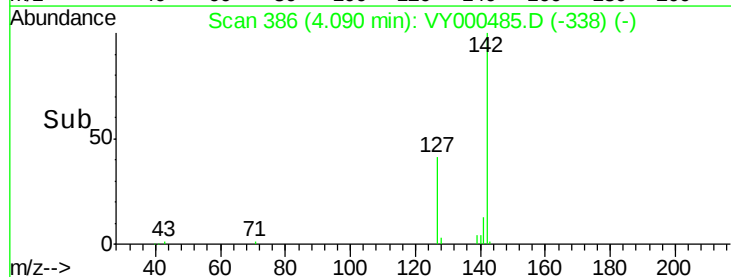
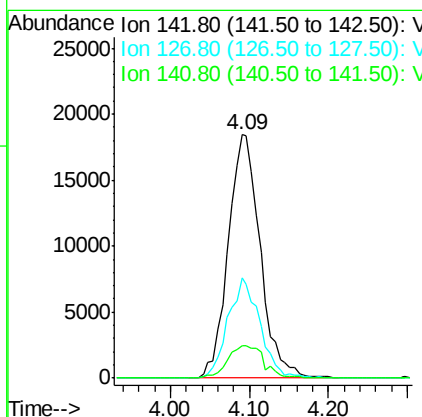
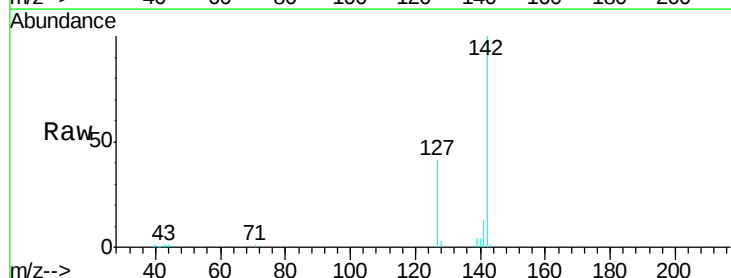
Manual Integrations
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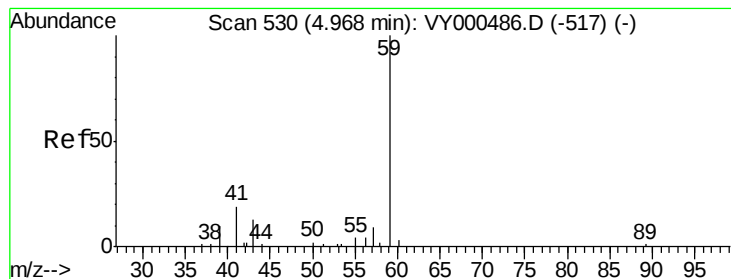
MMDadoda
10/31/2019 11:31:24 AM



#10
Methyl Iodide
Concen: 18.152 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51990		
127	41.2	33.7	50.5	
141	14.9	10.9	16.3	





#11

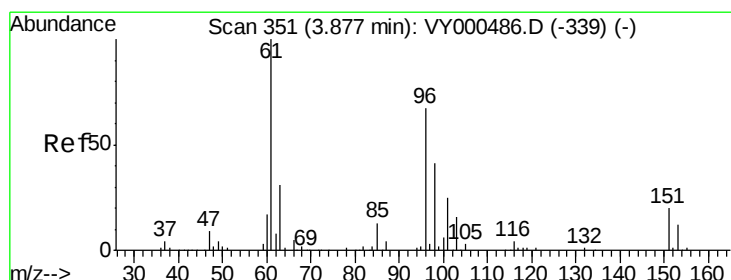
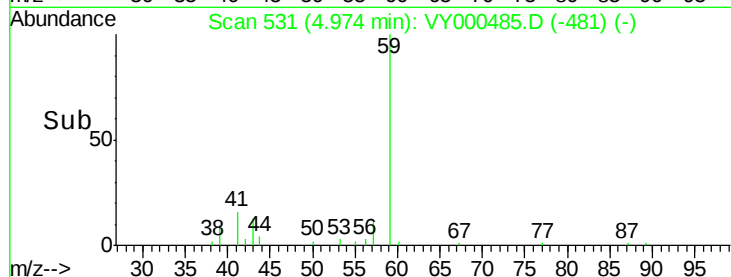
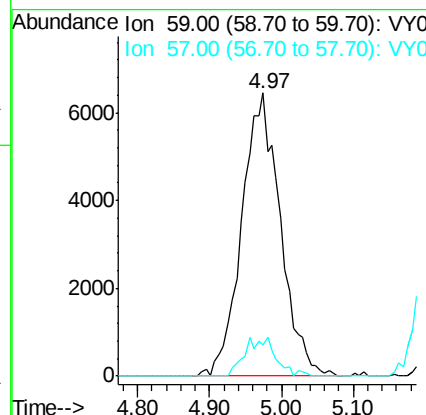
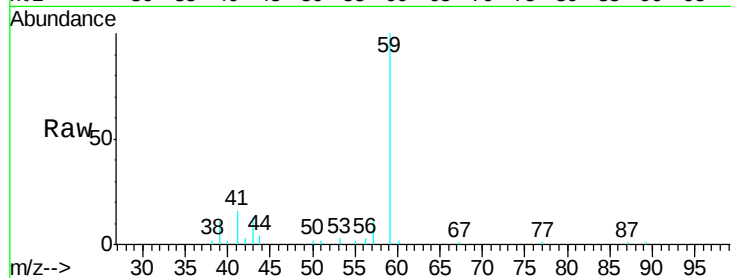
Tert butyl alcohol
Concen: 100.715 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

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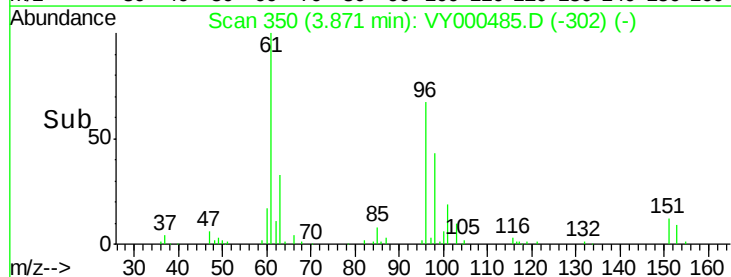
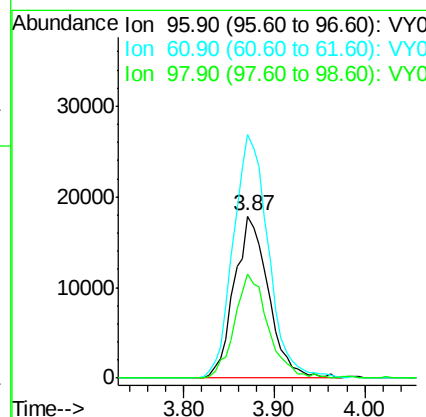
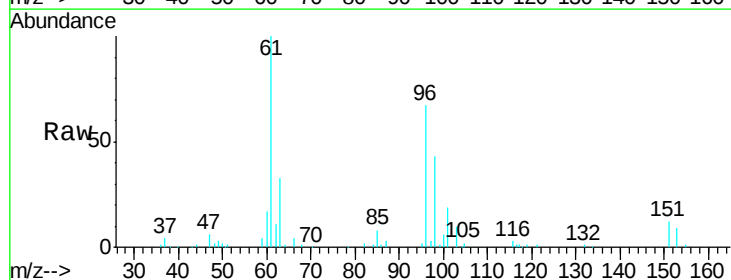
MMDadoda
10/31/2019 11:31:24 AM

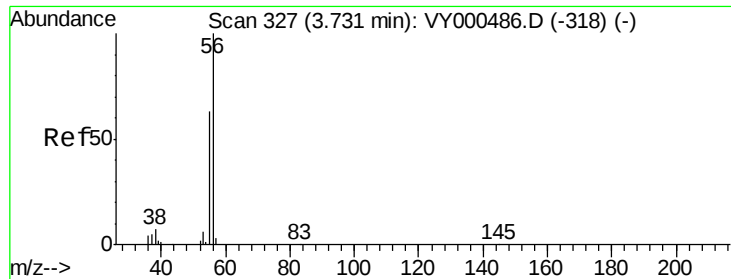


#12

1,1-Dichloroethene
Concen: 19.757 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	119.2	178.8
98	64.6	48.6	73.0





#13

Acrolein

Concen: 93.969 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 19475

Ion Ratio Lower Upper

56 100

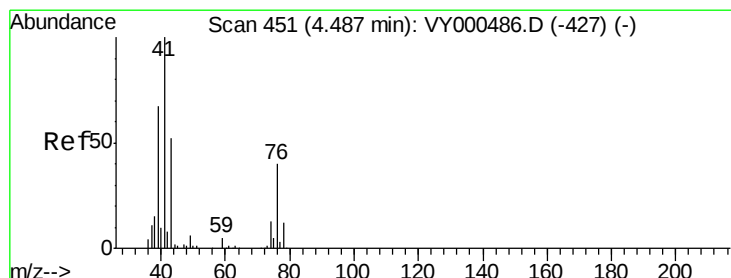
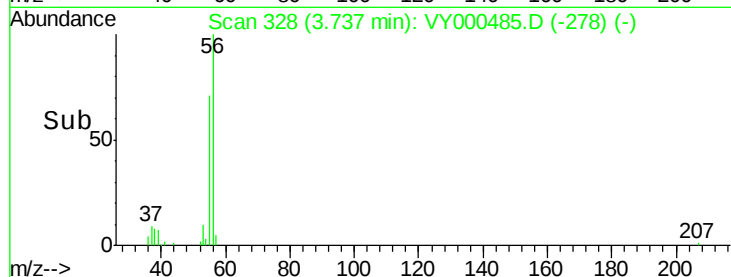
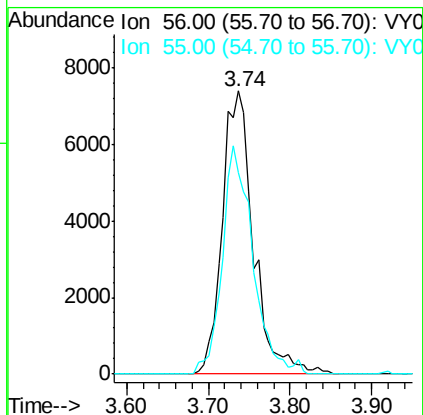
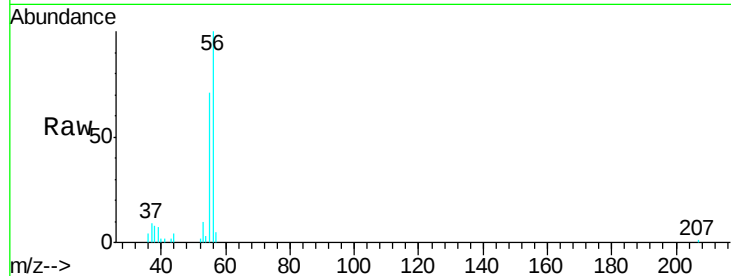
55 79.3 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.247 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

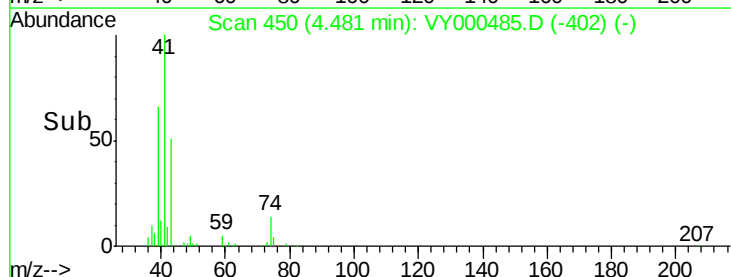
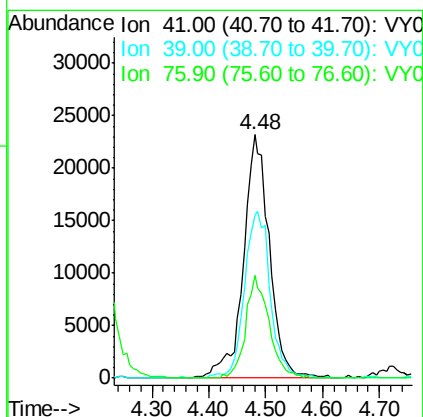
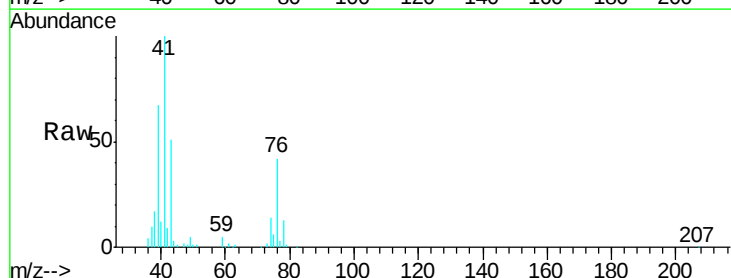
Tgt Ion: 41 Resp: 73836

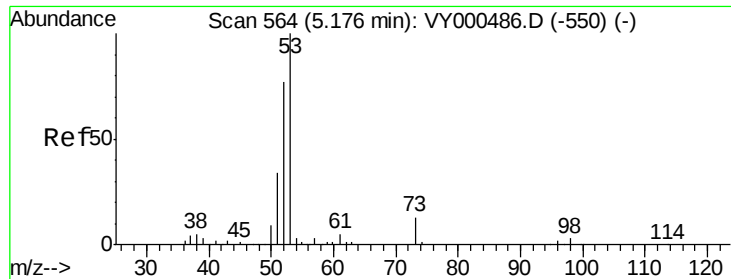
Ion Ratio Lower Upper

41 100

39 67.8 53.6 80.4

76 37.7 29.8 44.6





#15

Acrylonitrile

Concen: 98.791 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

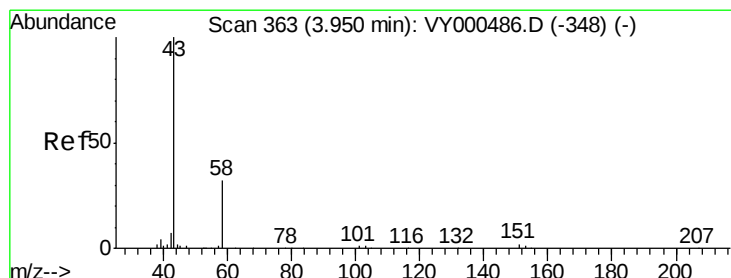
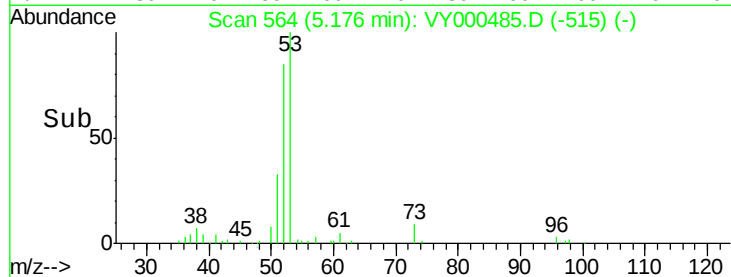
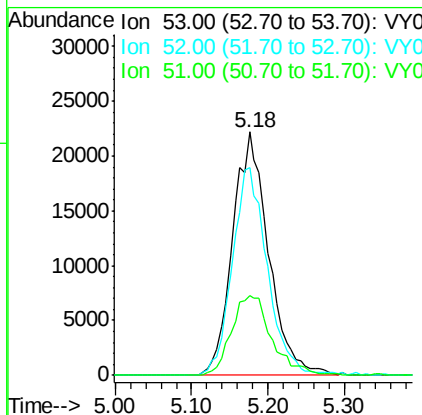
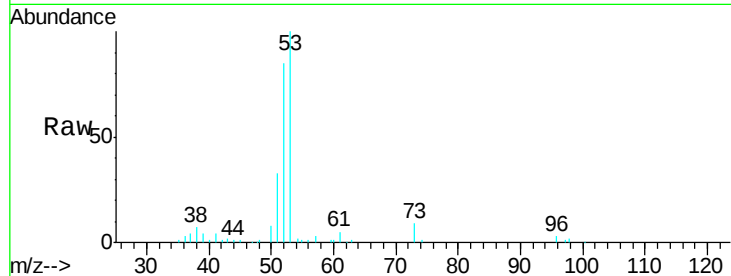
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	72227
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.9	97.3
51	36.7	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 85.224 ug/l

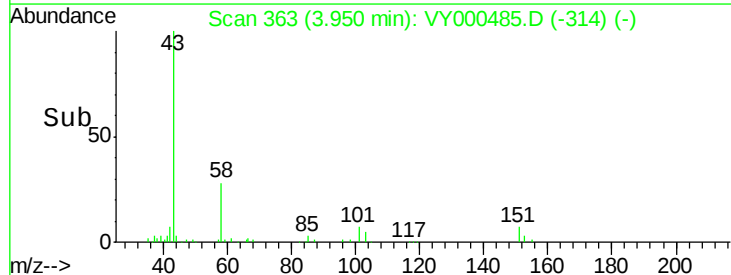
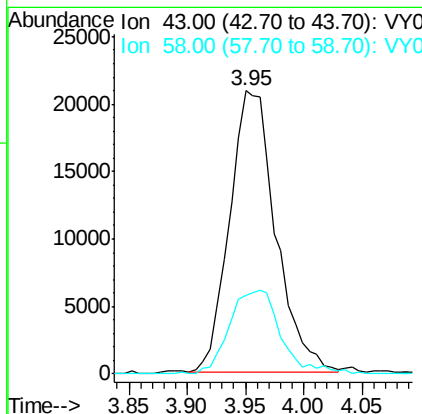
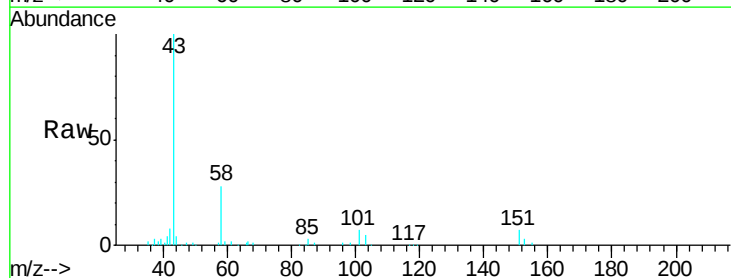
RT: 3.95 min Scan# 363

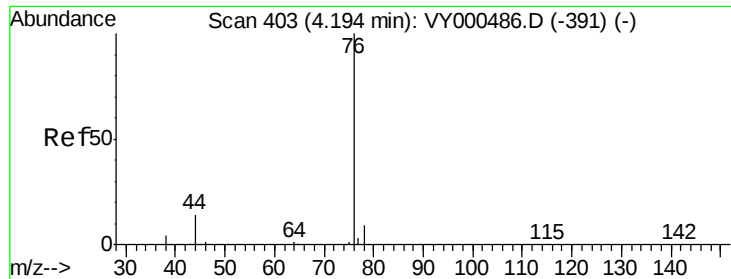
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	43	Resp:	57411
Ion	Ratio	Lower	Upper
43	100		
58	27.7	25.8	38.6





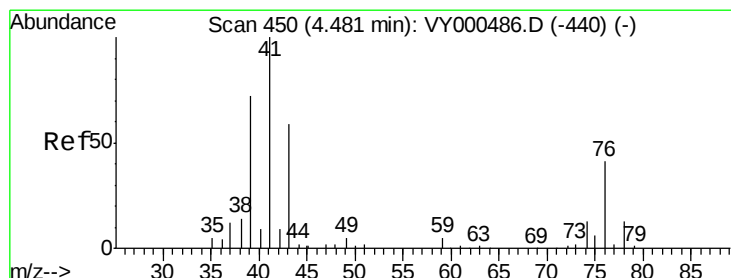
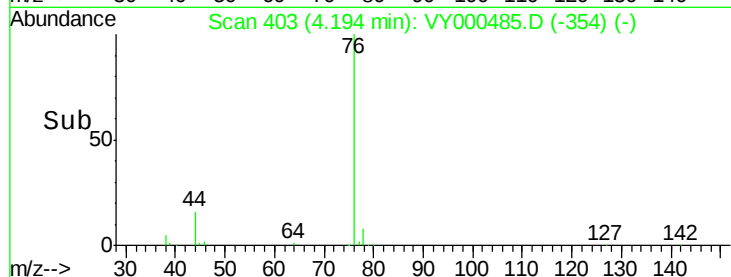
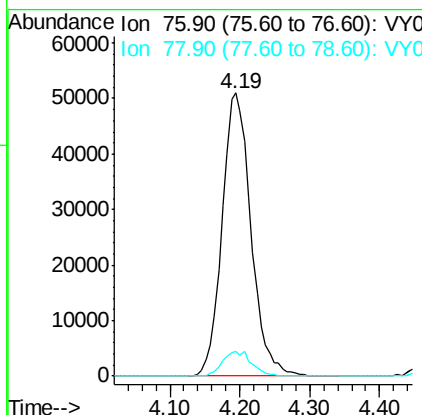
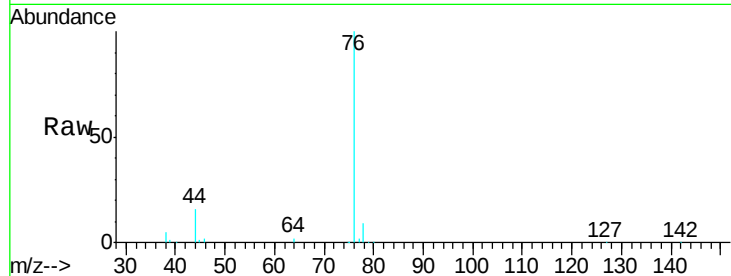
#17
Carbon Disulfide
Concen: 19.606 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 145890
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

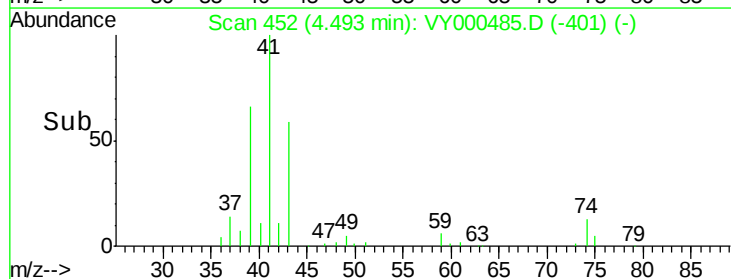
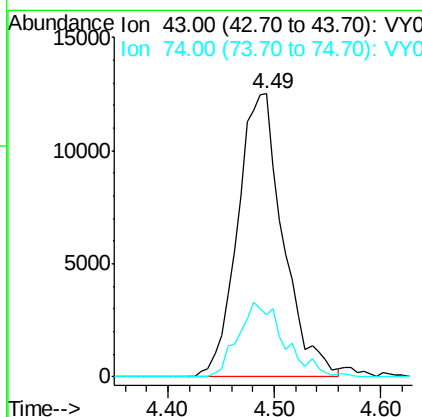
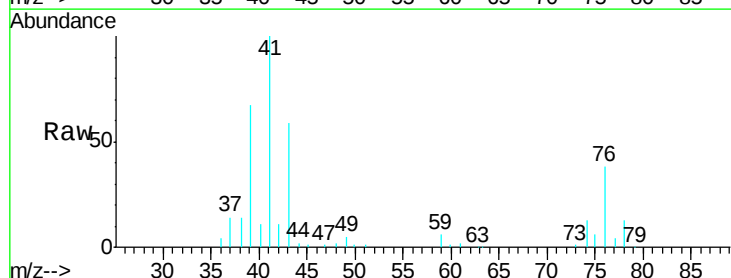
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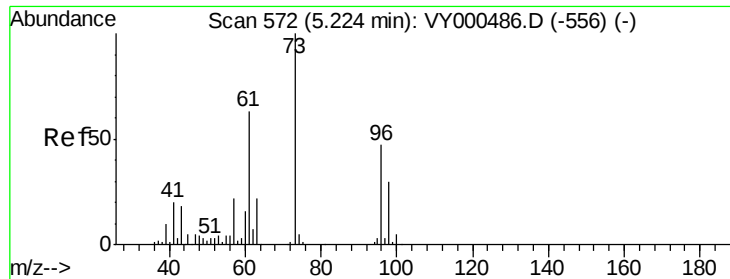
MMDadoda
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#18
Methyl Acetate
Concen: 17.905 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 43 Resp: 37504
Ion Ratio Lower Upper
43 100
74 26.8 19.2 28.8





#19

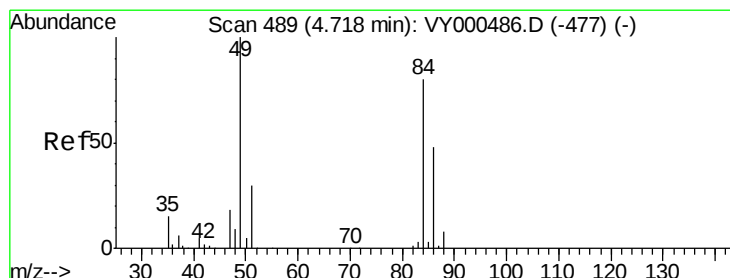
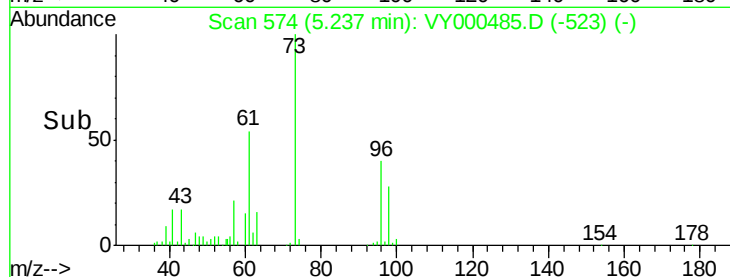
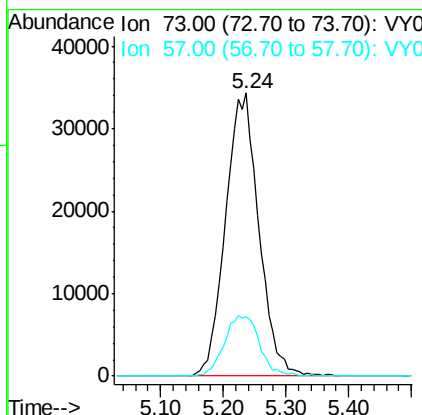
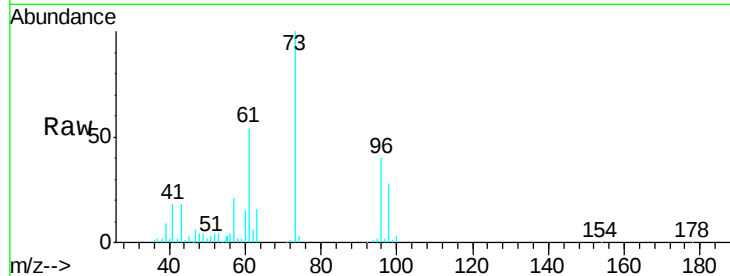
Methyl tert-butyl Ether
Concen: 19.233 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 126163
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0

Manual Integrations
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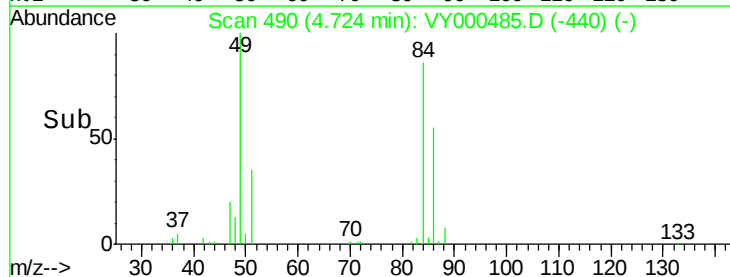
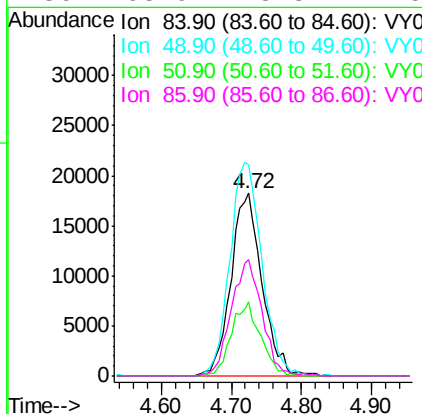
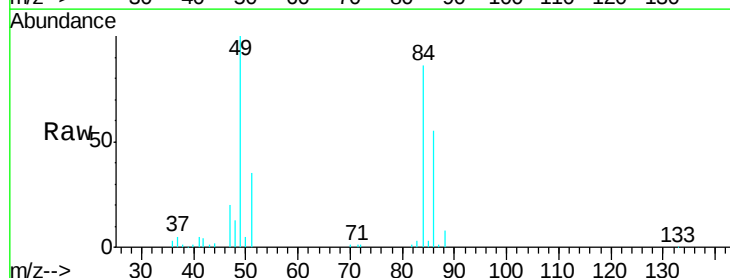
MMDadoda
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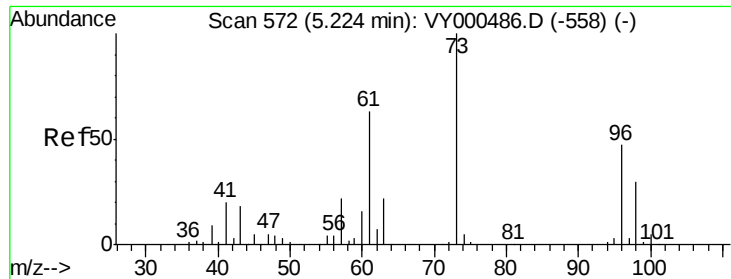


#20

Methylene Chloride
Concen: 19.561 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 84 Resp: 56463
Ion Ratio Lower Upper
84 100
49 115.8 100.2 150.4
51 40.8 29.6 44.4
86 63.9 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 19.717 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

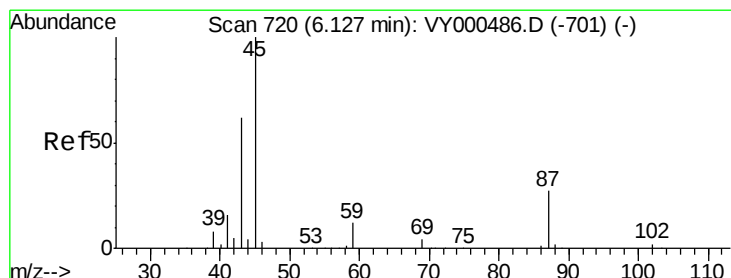
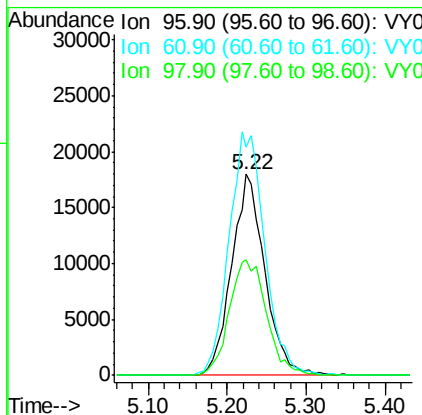
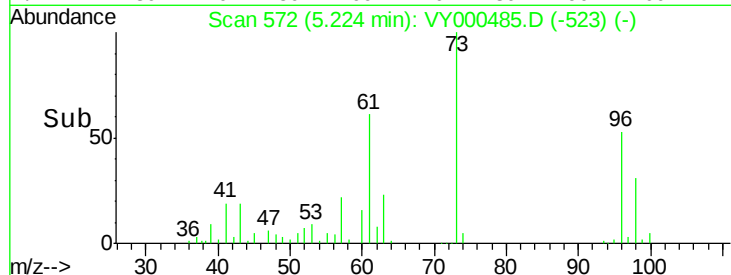
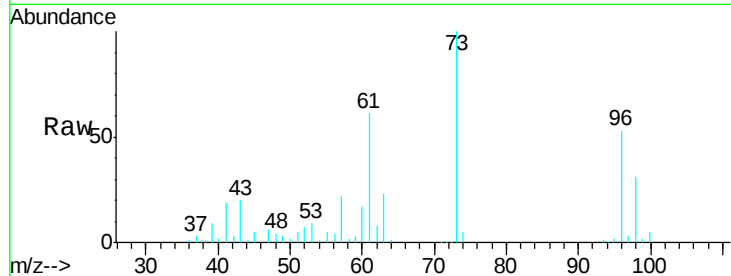
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	52589
Ion	Ratio	Lower	Upper
96	100		
61	113.6	106.6	160.0
98	57.6	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.220 ug/l

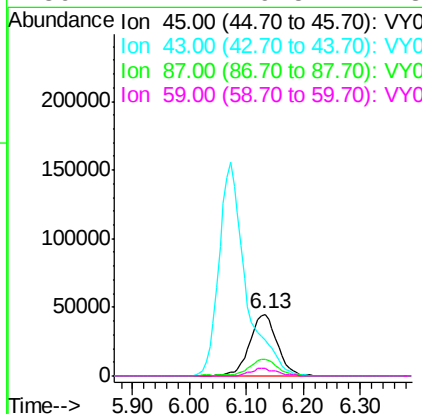
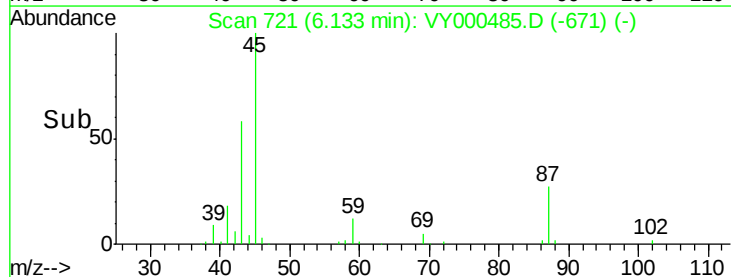
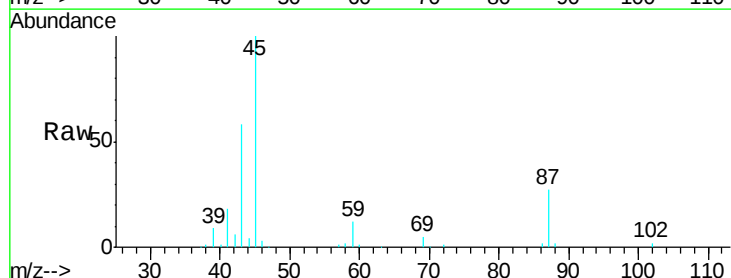
RT: 6.13 min Scan# 721

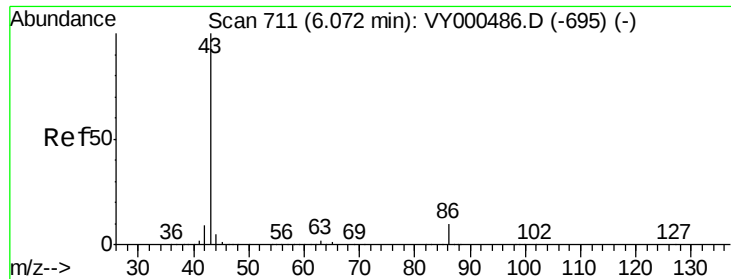
Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	45	Resp:	151922
Ion	Ratio	Lower	Upper
45	100		
43	58.4	50.0	75.0
87	26.8	21.6	32.4
59	11.7	9.5	14.3





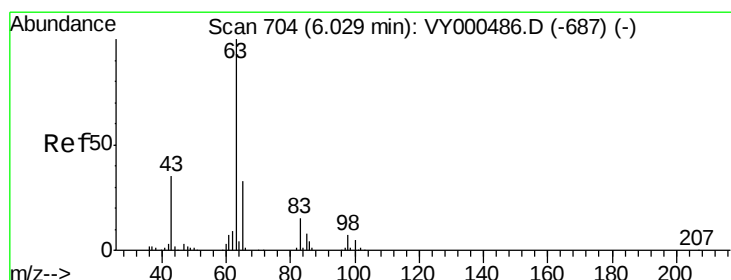
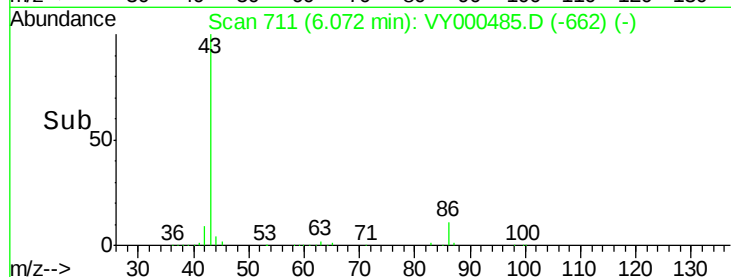
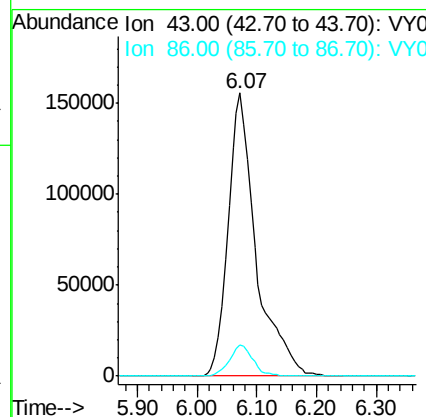
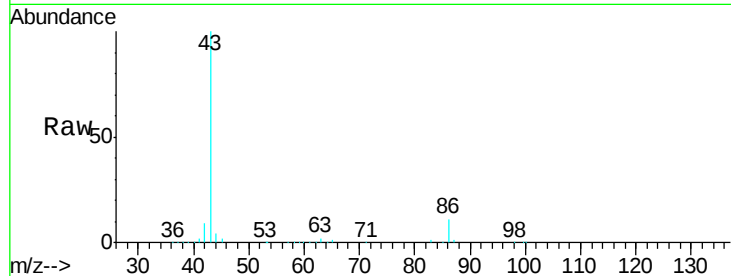
#23
 Vinyl Acetate
 Concen: 96.536 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	508122		
86	10.9		7.8	11.6

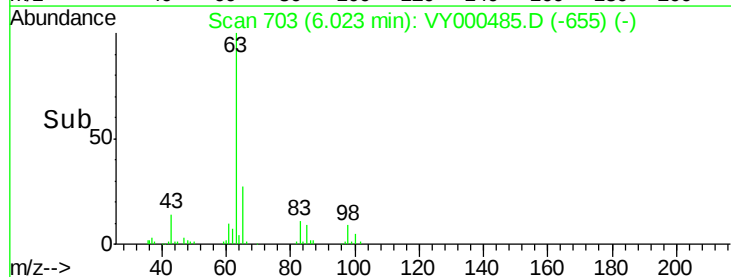
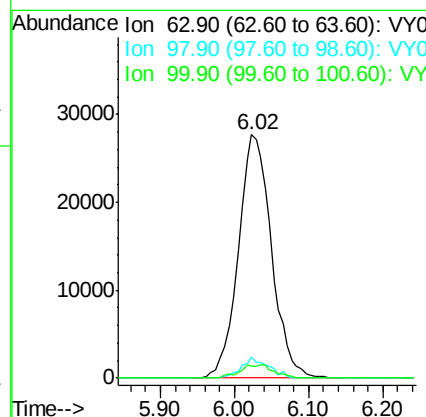
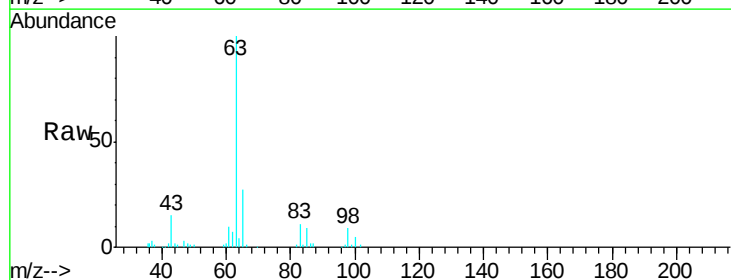
Manual Integrations
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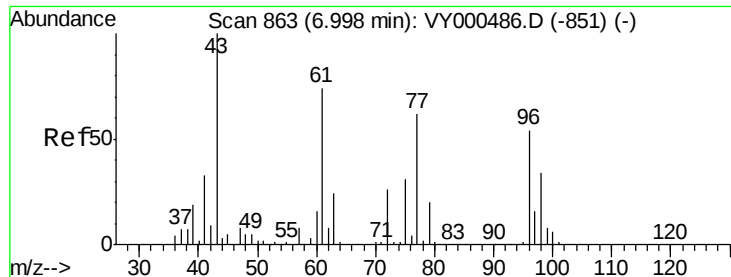
MMDadoda
 10/31/2019 11:31:24 AM



#24
 1,1-Dichloroethane
 Concen: 19.100 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	86278		
98	8.5		3.5	10.6
100	4.7		2.4	7.1





#25

2-Butanone

Concen: 91.921 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 98825

Ion Ratio Lower Upper

43 100

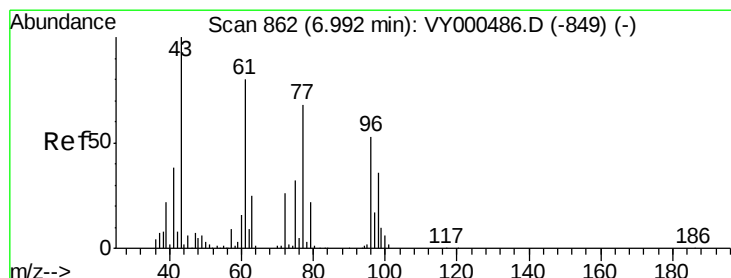
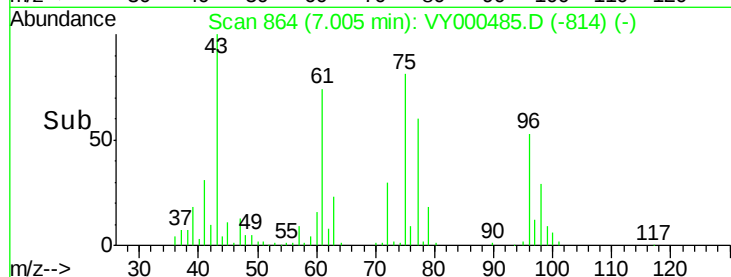
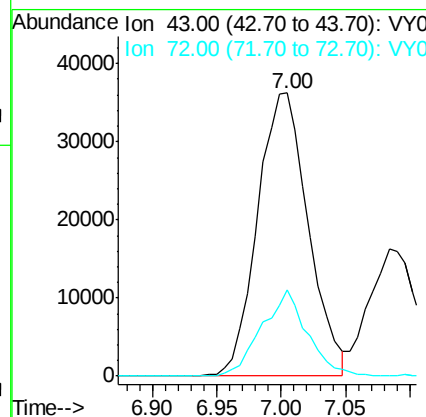
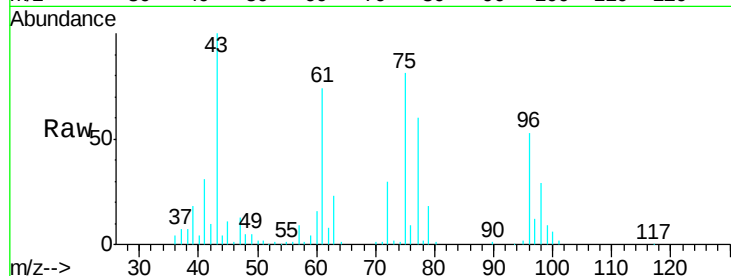
72 30.3 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.955 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000485.D

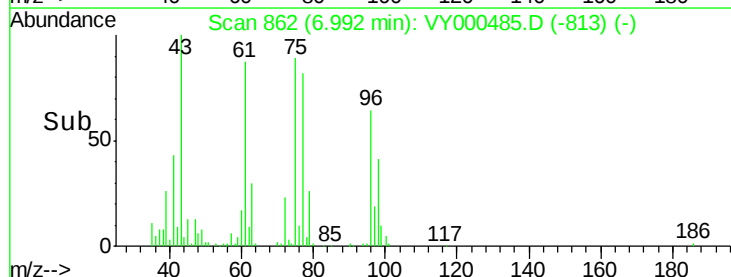
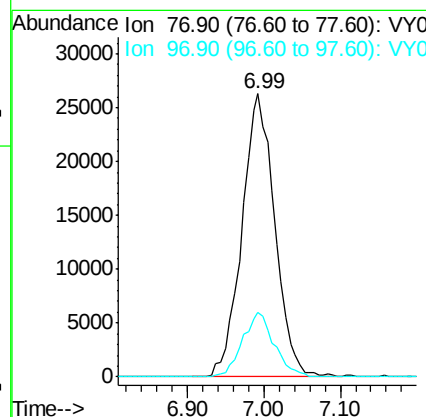
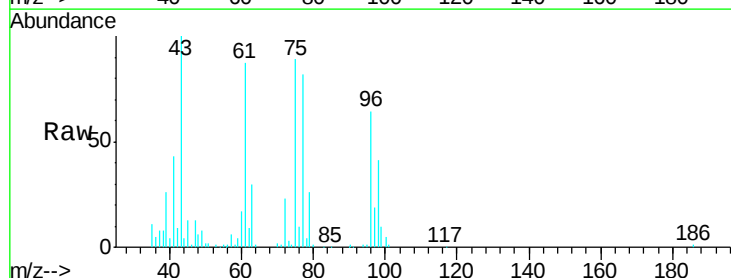
Acq: 30 Oct 2019 11:24

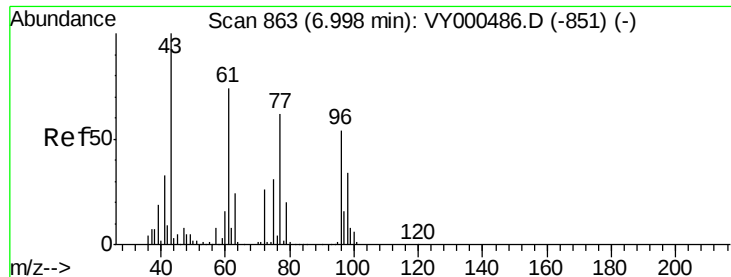
Tgt Ion: 77 Resp: 78250

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.4





#27

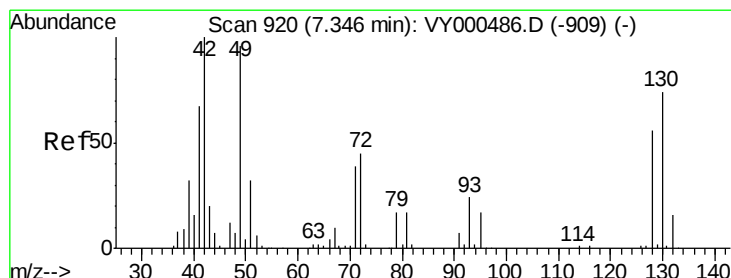
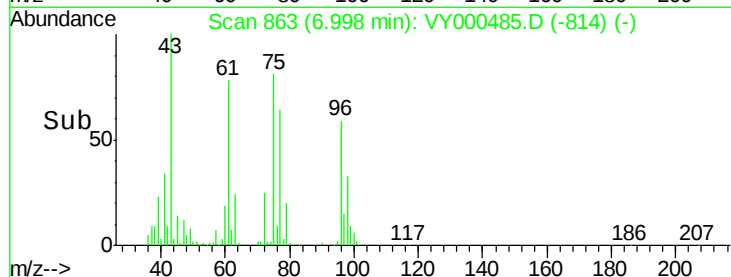
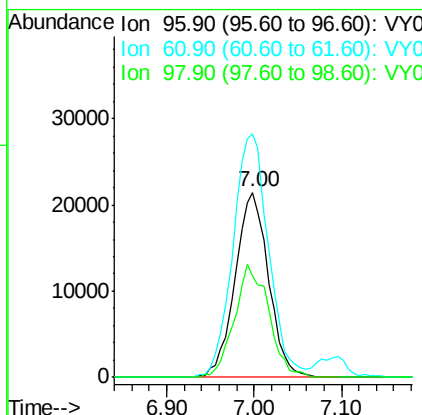
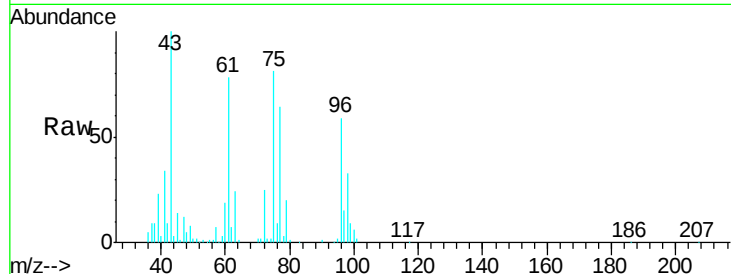
cis-1,2-Dichloroethene
Concen: 19.559 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	287.0
98	62.3	0.0	129.4

Manual Integrations
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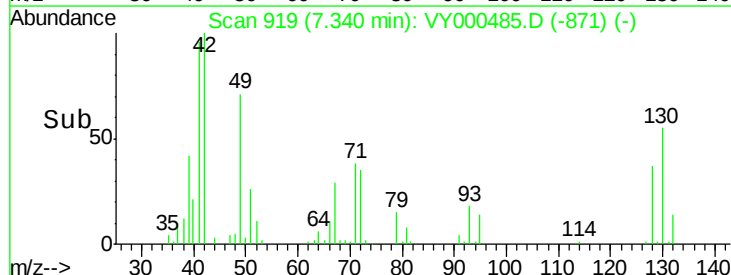
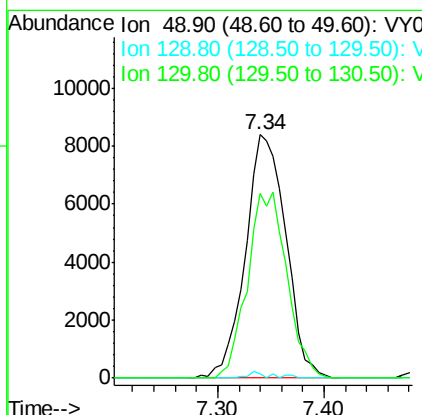
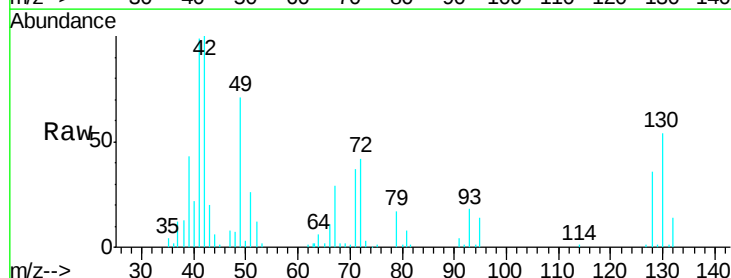
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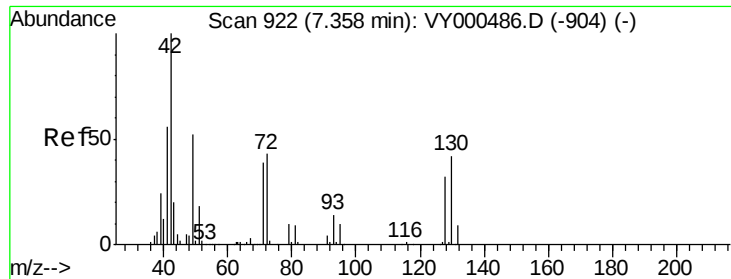


#28

Bromochloromethane
Concen: 12.247 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	0.0	59.4	89.0#





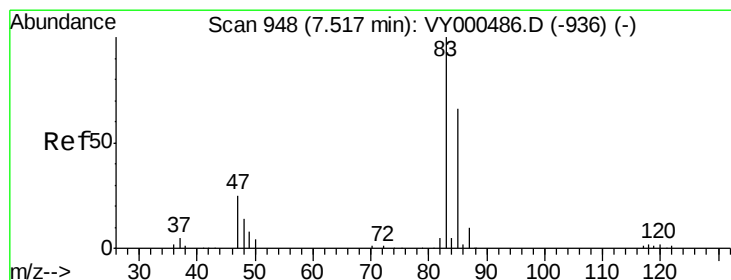
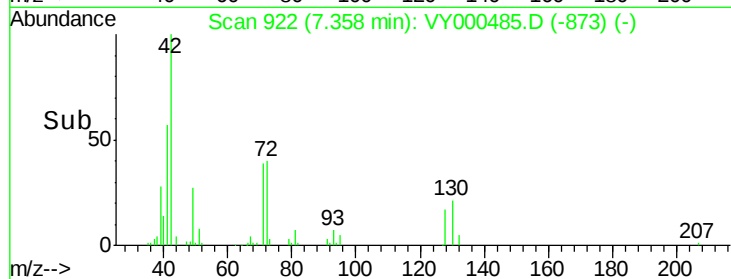
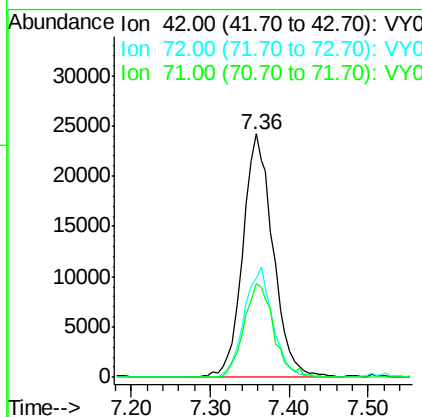
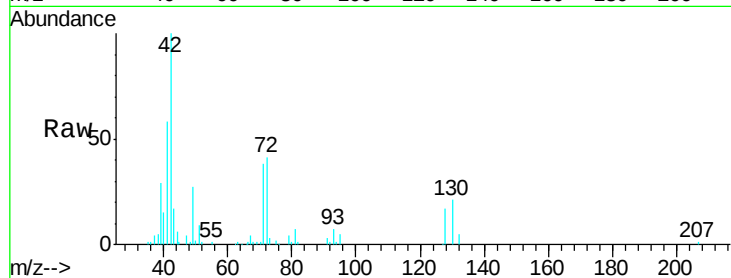
#29
Tetrahydrofuran
Concen: 98.031 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.0	51.0
71	37.9	30.8	46.2

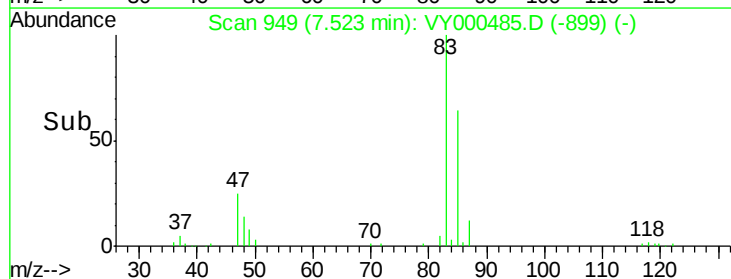
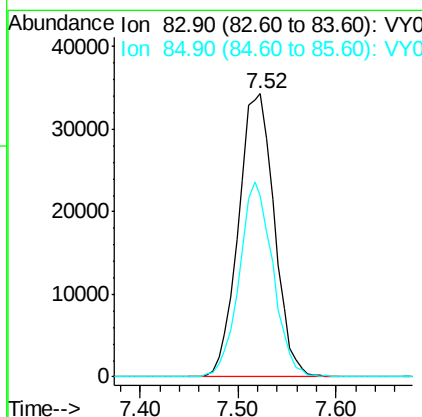
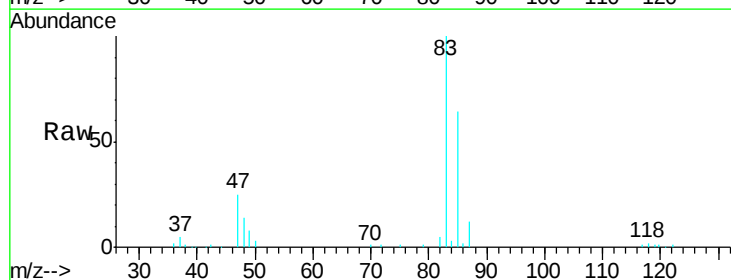
Manual Integrations
APPROVED

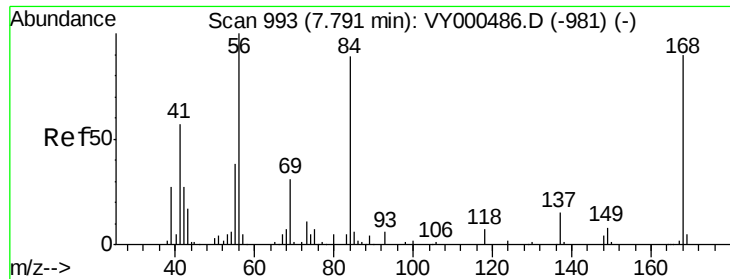
MMDadoda
10/31/2019 11:31:24 AM



#30
Chloroform
Concen: 19.128 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.0	79.4





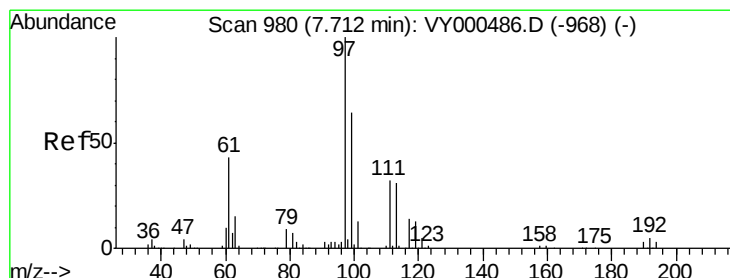
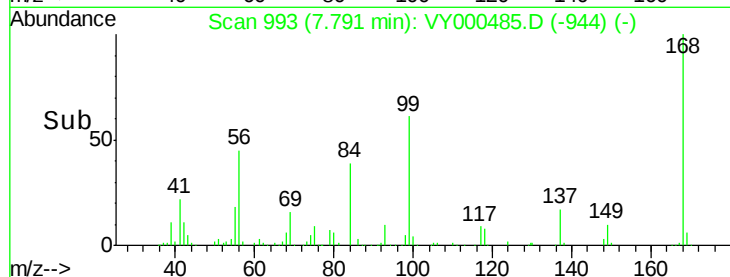
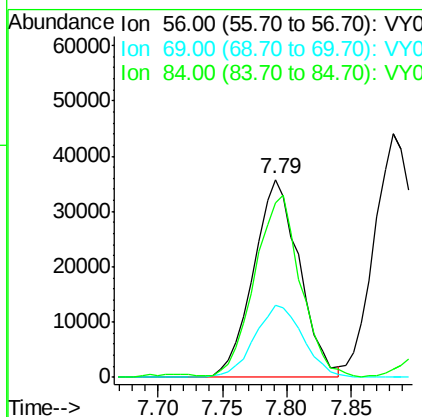
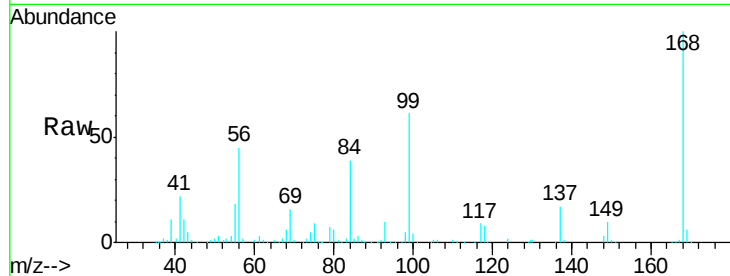
#31
Cyclohexane
Concen: 18.748 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.7	25.0	37.6
84	86.7	71.4	107.2

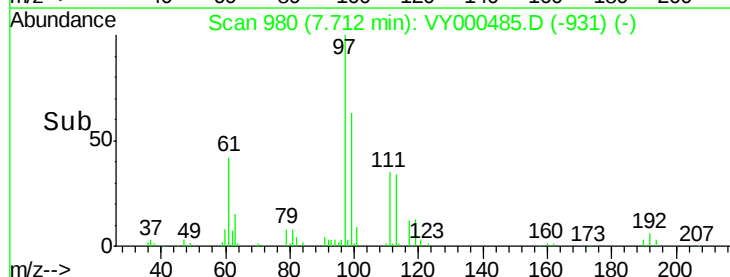
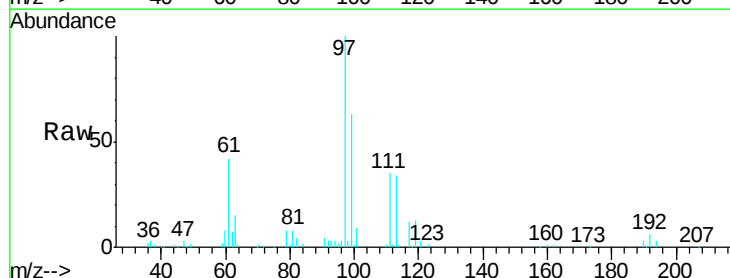
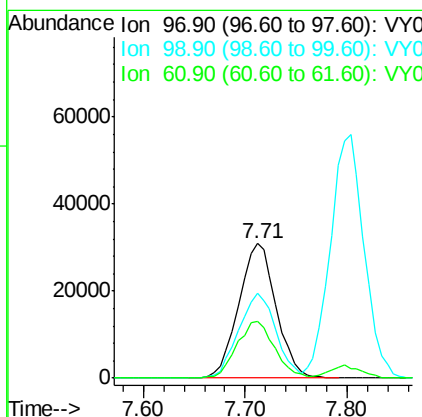
Manual Integrations
APPROVED

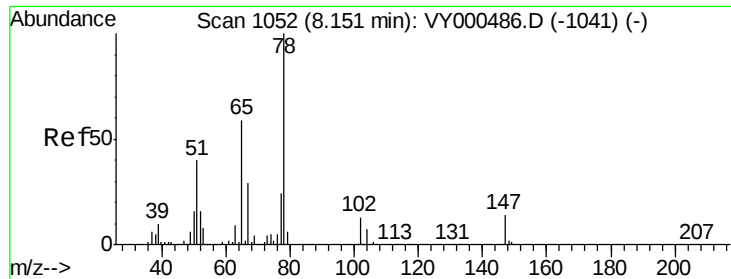
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#32
1,1,1-Trichloroethane
Concen: 19.332 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.9	76.3
61	42.3	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 19.824 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 48455

Ion Ratio Lower Upper

65 100

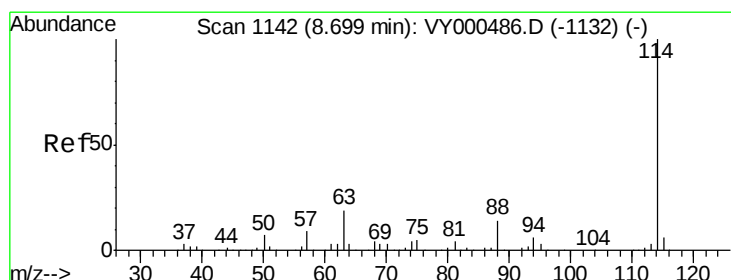
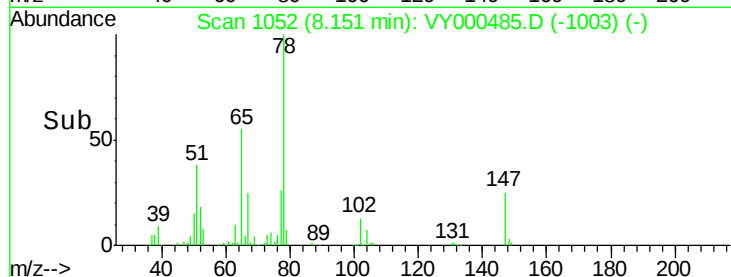
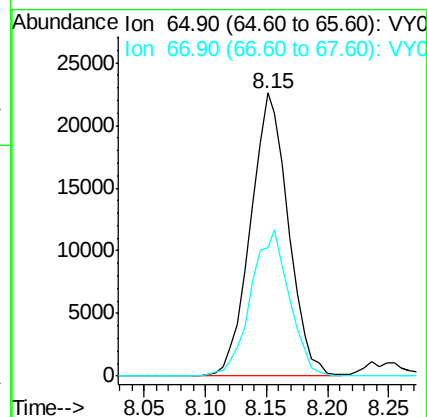
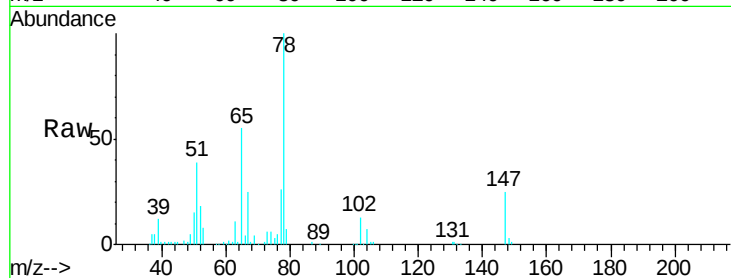
67 52.7 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

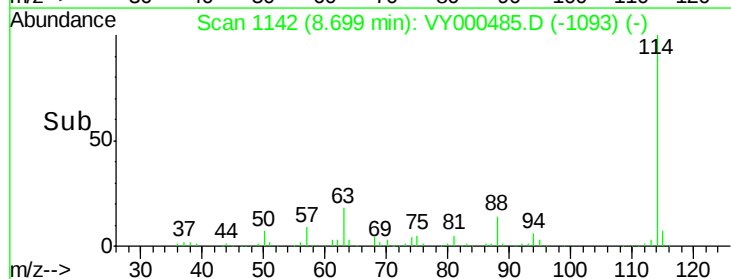
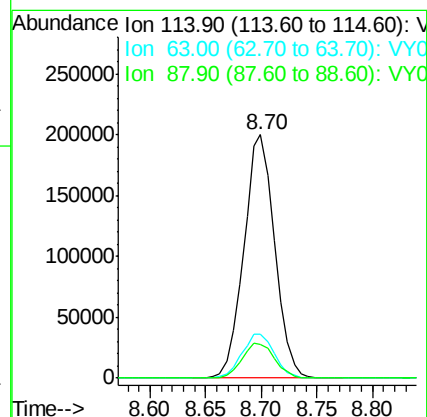
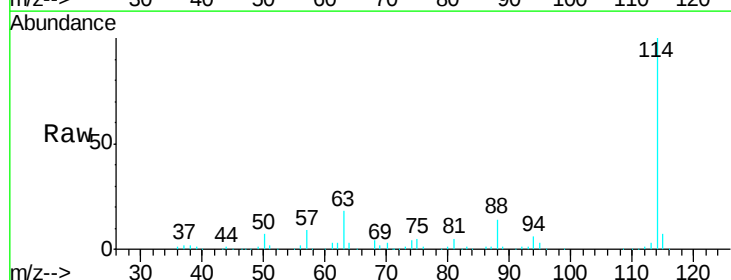
Tgt Ion: 114 Resp: 383229

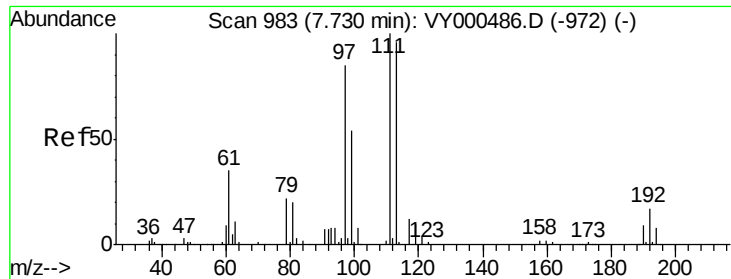
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.0

88 13.8 0.0 28.6





#35

Dibromofluoromethane

Concen: 20.911 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

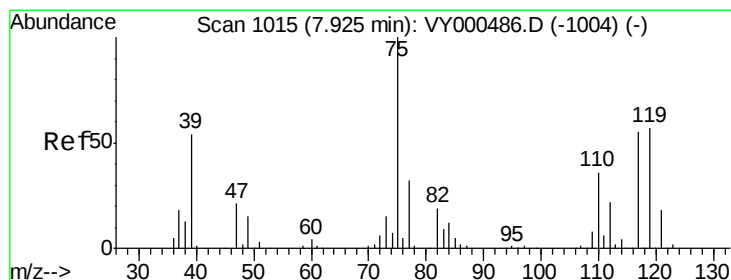
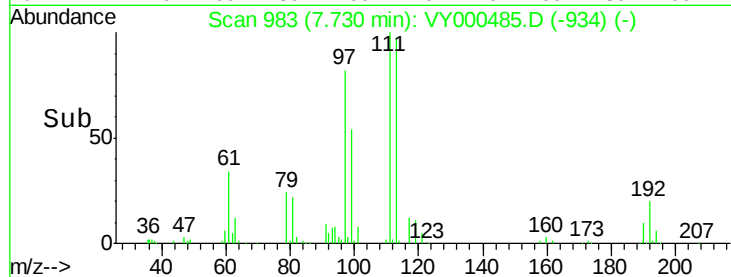
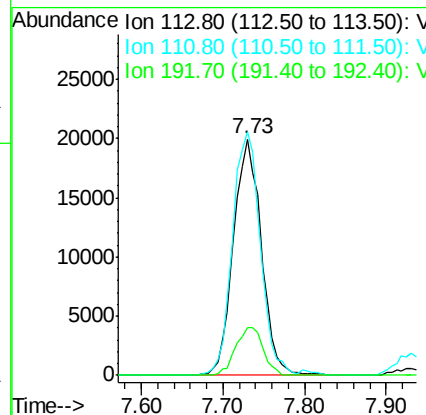
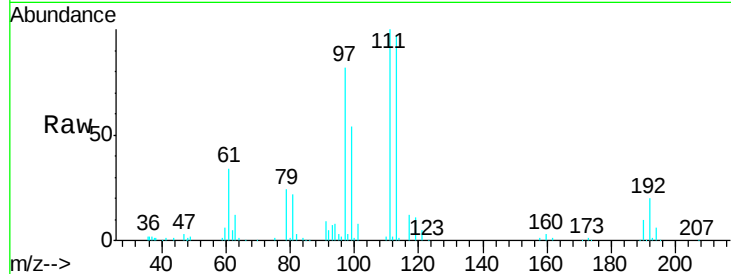
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	47046		
111	102.4	81.7	122.5	
192	19.7	15.0	22.4	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.594 ug/l

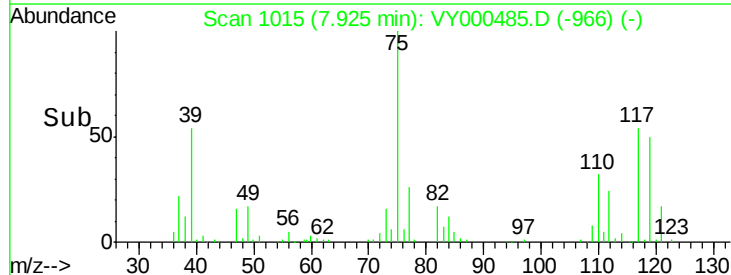
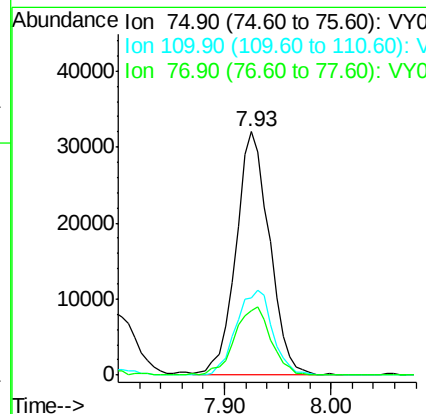
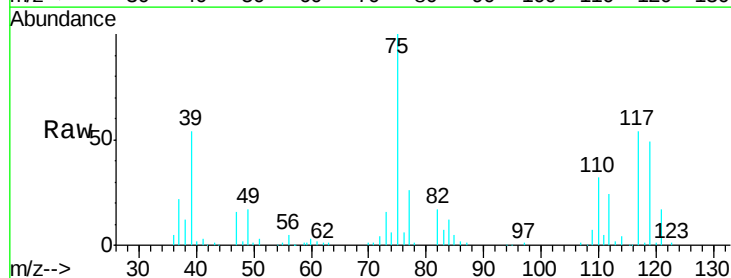
RT: 7.93 min Scan# 1015

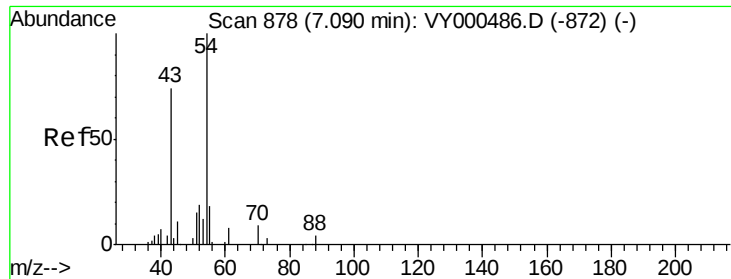
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70987		
110	37.7	18.1	54.1	
77	30.0	25.0	37.6	





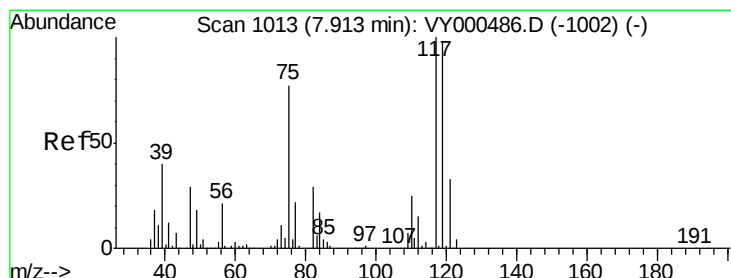
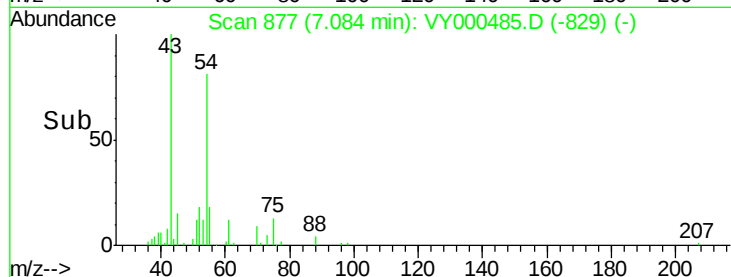
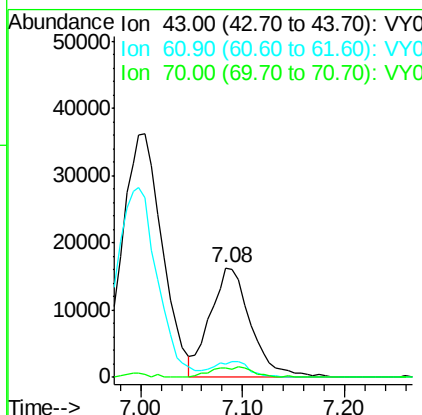
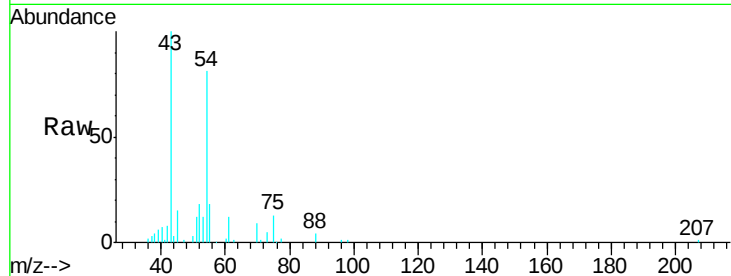
#37
 Ethyl Acetate
 Concen: 20.998 ug/l
 RT: 7.08 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	5.0	7.8	11.8

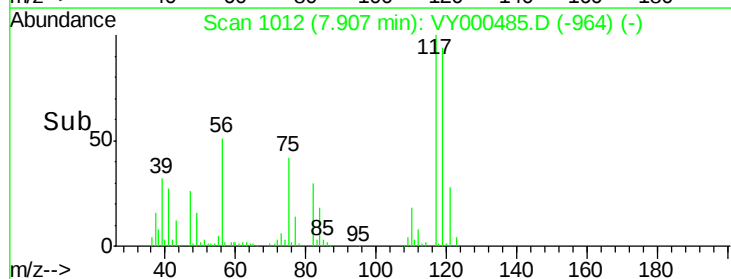
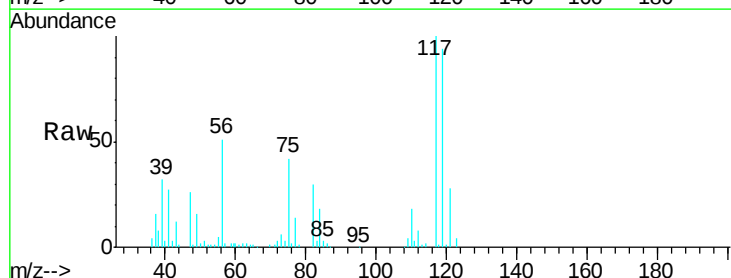
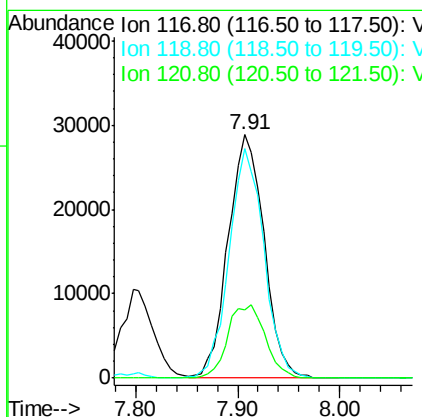
Manual Integrations
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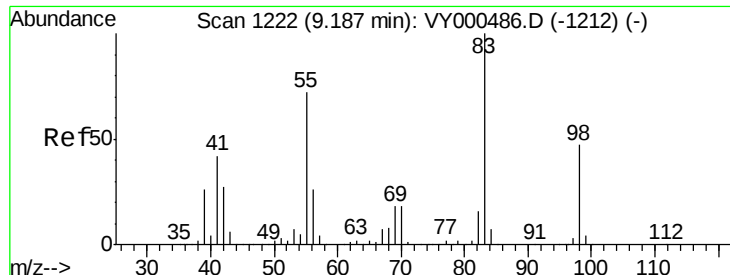
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#38
 Carbon Tetrachloride
 Concen: 20.245 ug/l
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.0	117.0
121	27.9	26.6	40.0





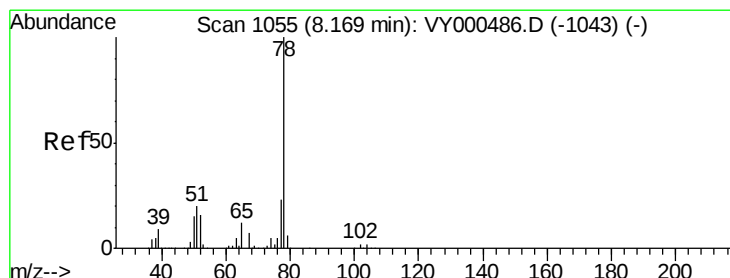
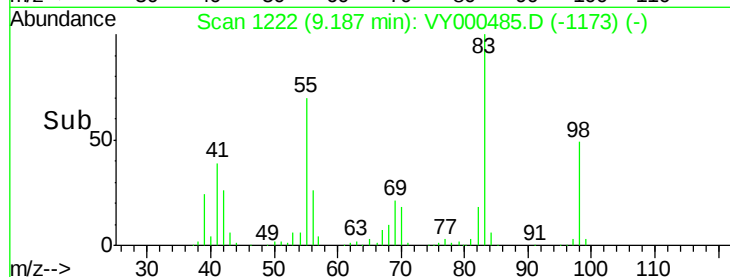
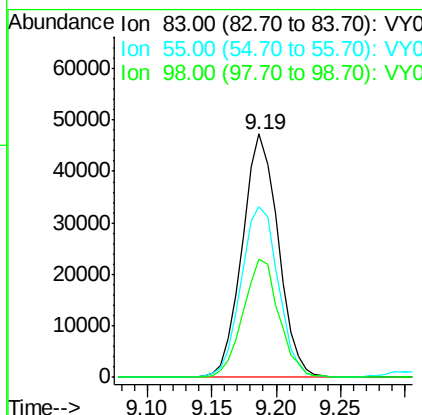
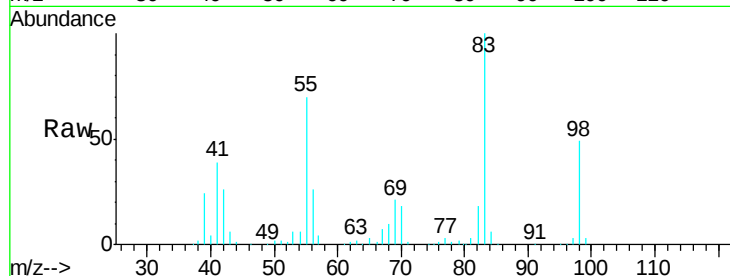
#39
Methylcyclohexane
Concen: 19.519 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.0	57.5	86.3
98	48.8	38.0	57.0

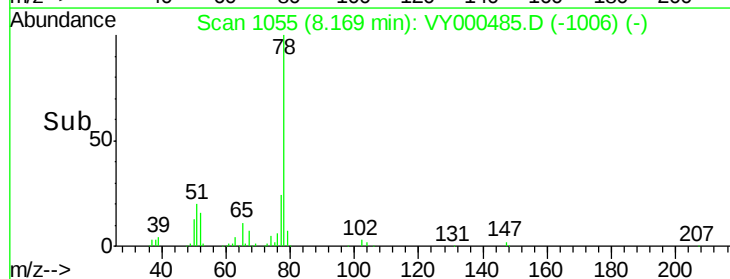
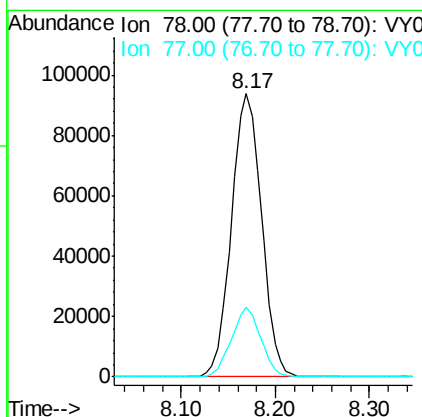
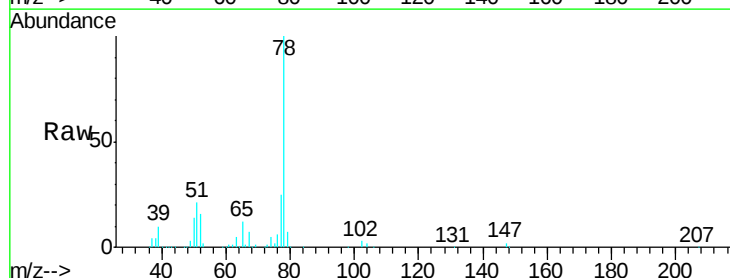
Manual Integrations
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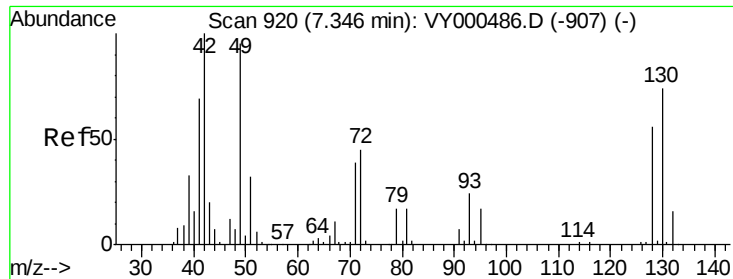
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#40
Benzene
Concen: 19.608 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





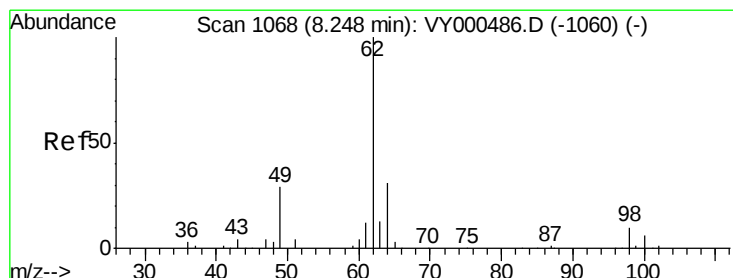
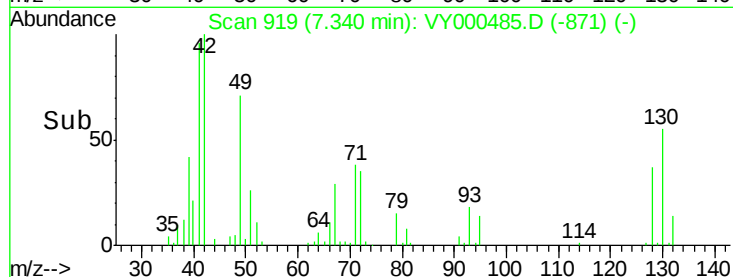
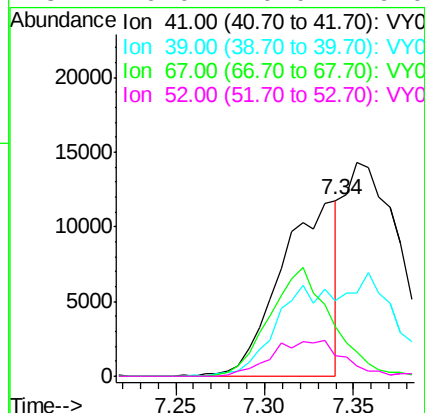
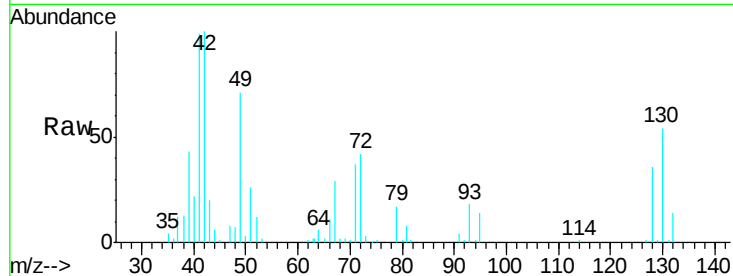
#41
Methacrylonitrile
Concen: 21.995 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 26382
Ion Ratio Lower Upper
41 100
39 0.0 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

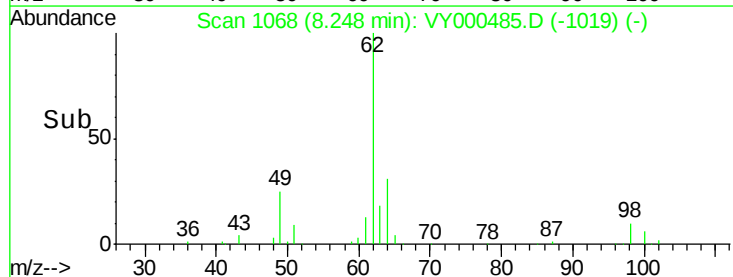
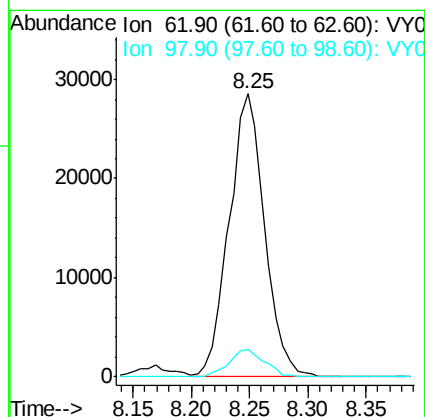
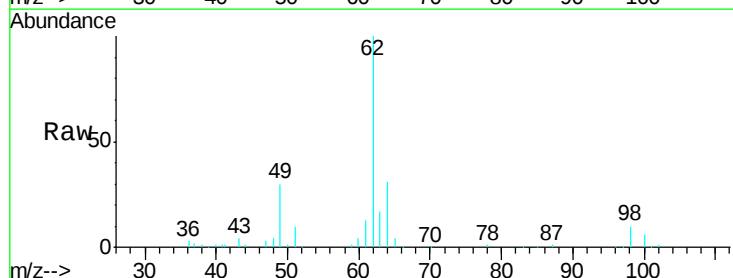
Manual Integrations
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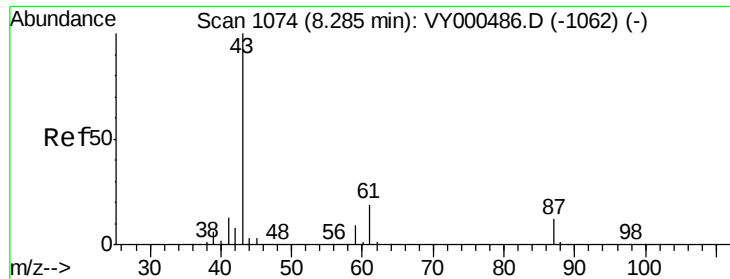
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.024 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 62 Resp: 60321
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.2





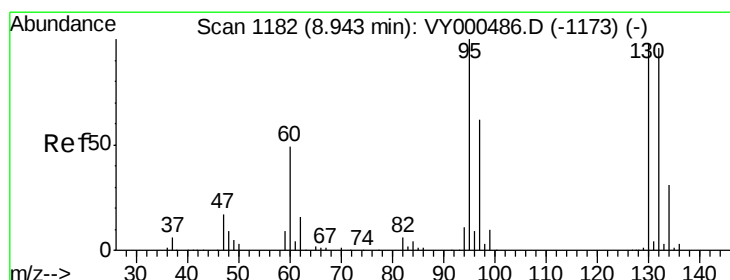
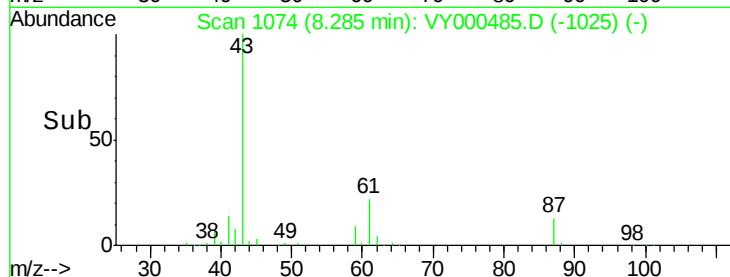
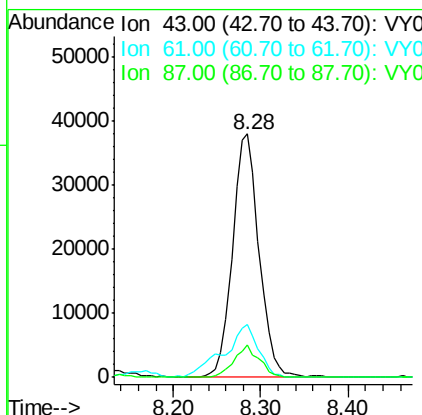
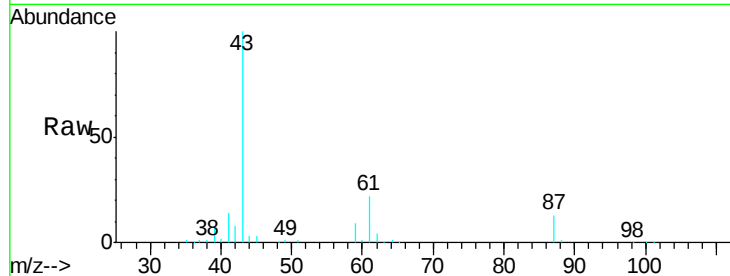
#43
Isopropyl Acetate
Concen: 19.856 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	12.4	10.5	15.7

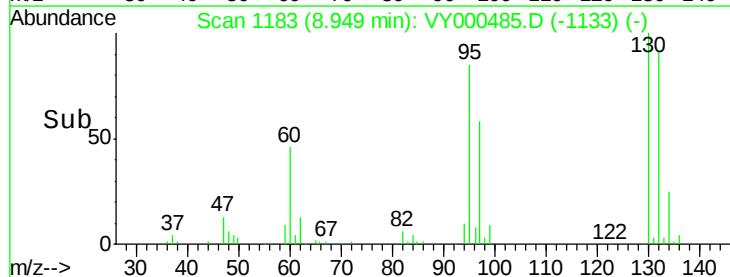
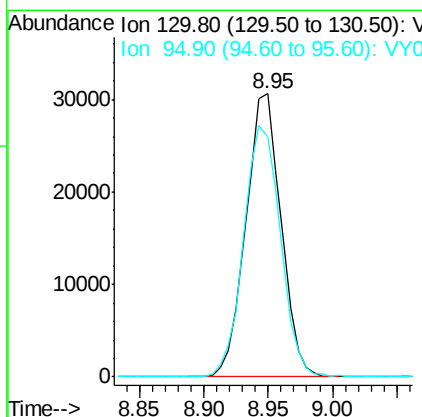
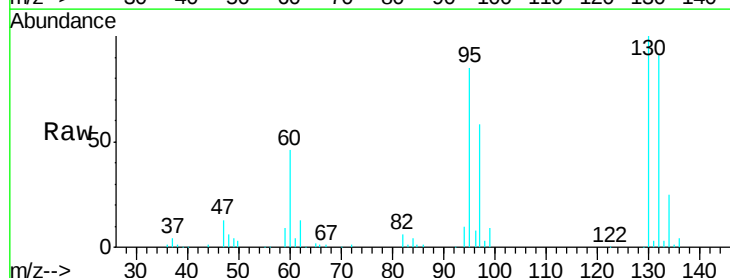
Manual Integrations
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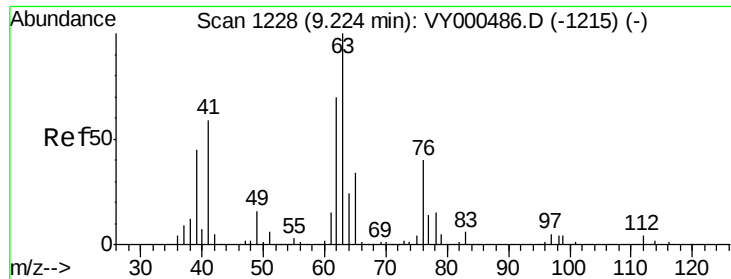
MMDadoda
10/31/2019 11:31:24 AM



#44
Trichloroethene
Concen: 20.629 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.7	0.0	203.2





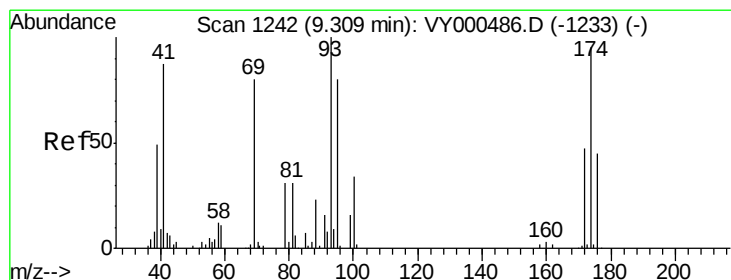
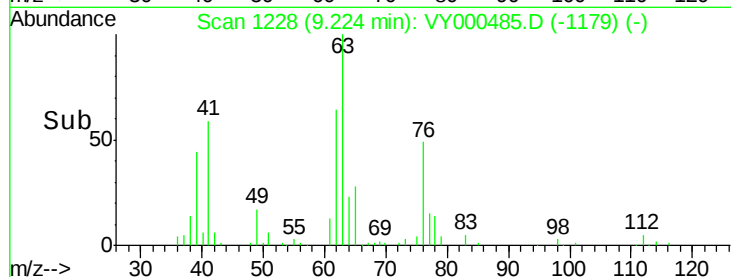
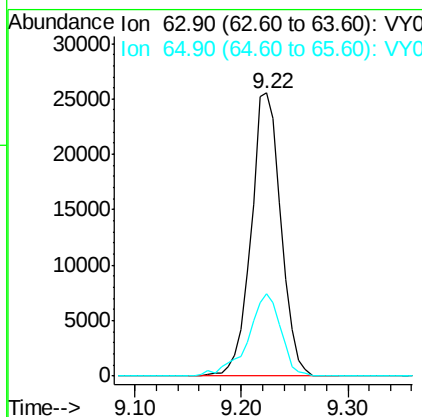
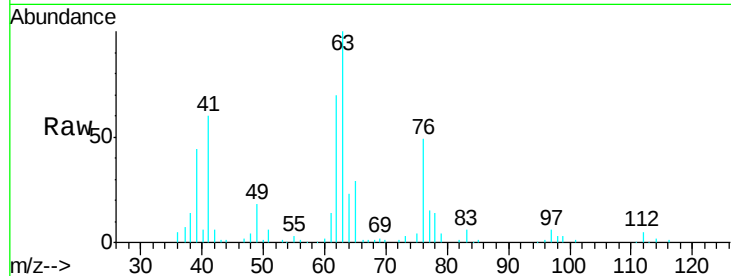
#45
1,2-Dichloropropane
Concen: 19.257 ug/l
RT: 9.22 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 63 Resp: 50339
Ion Ratio Lower Upper
63 100
65 29.2 27.0 40.4

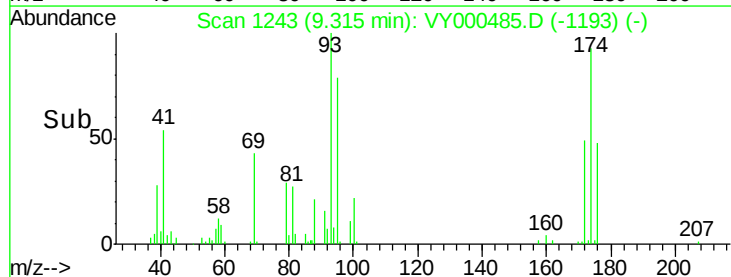
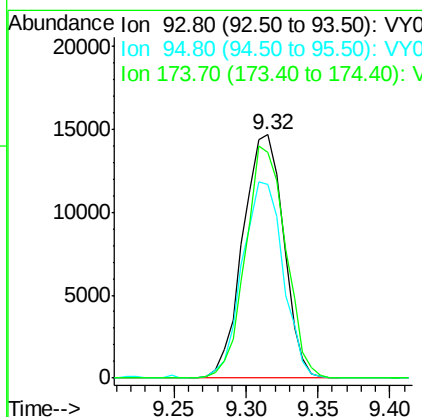
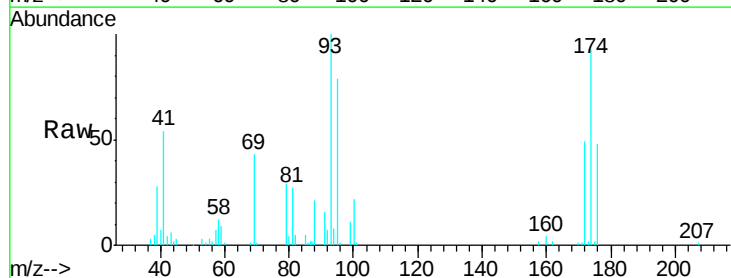
Manual Integrations
APPROVED

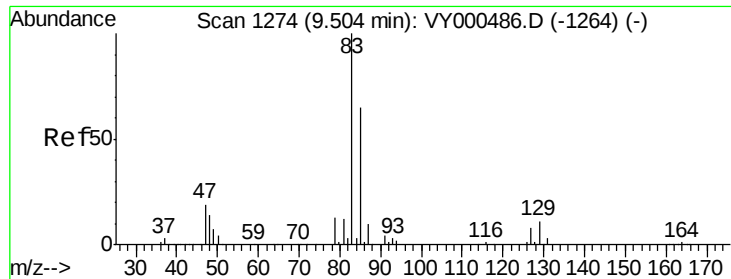
MMDadoda
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#46
Dibromomethane
Concen: 20.009 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 93 Resp: 28767
Ion Ratio Lower Upper
93 100
95 80.8 66.4 99.6
174 93.4 77.1 115.7





#47

Bromodichloromethane

Concen: 19.425 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

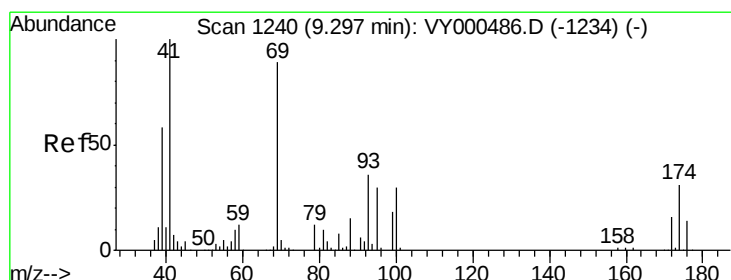
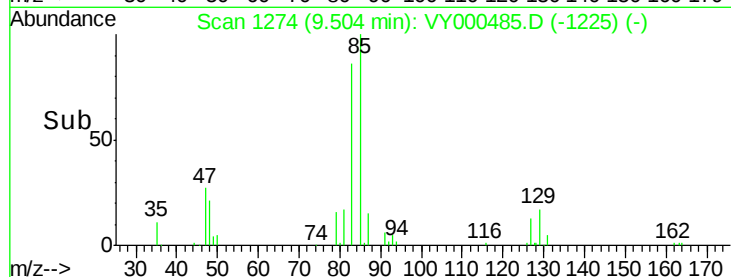
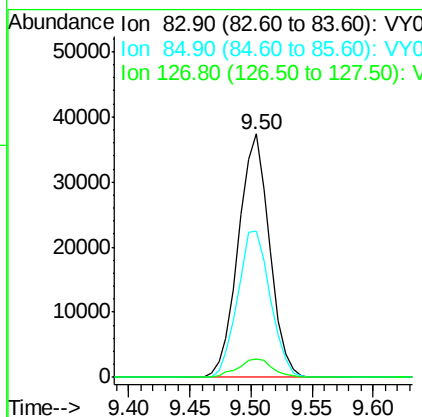
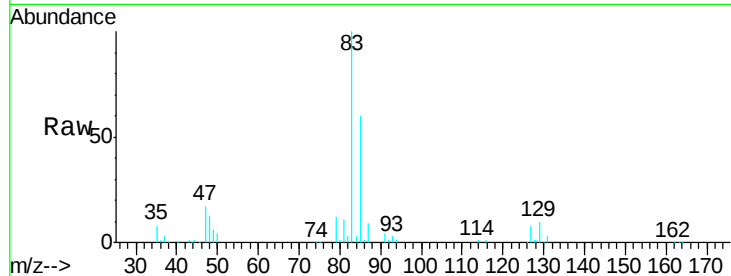
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	66263
Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.8	77.8
127	7.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.283 ug/l

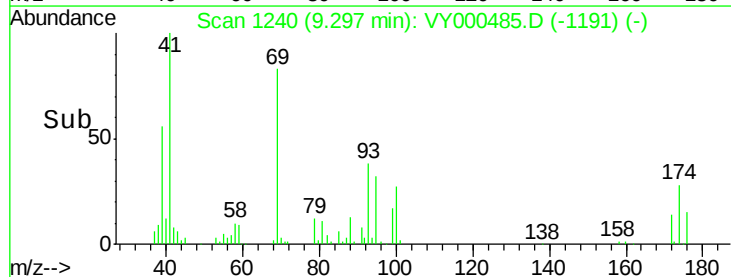
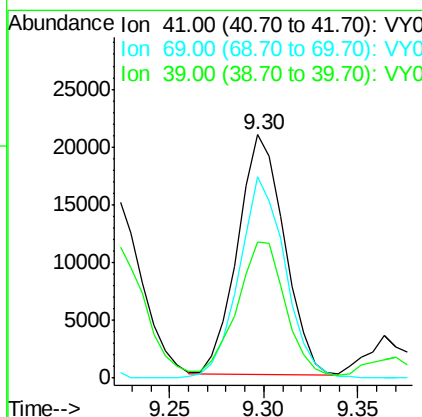
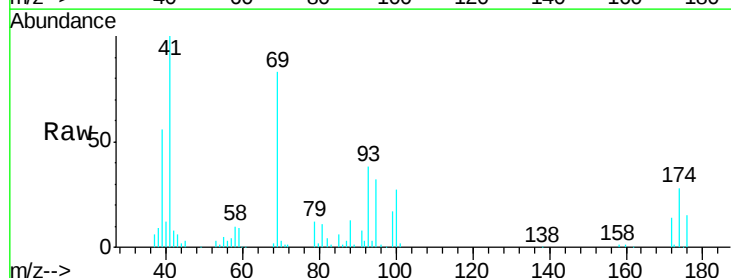
RT: 9.30 min Scan# 1240

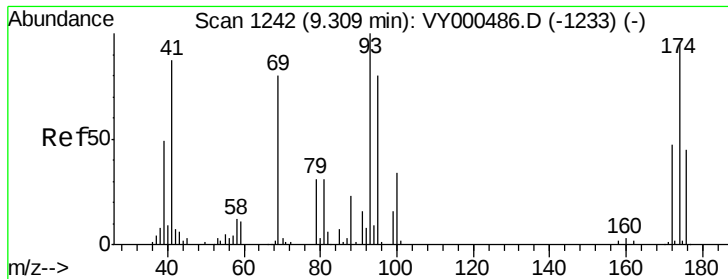
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	41	Resp:	35808
Ion	Ratio	Lower	Upper
41	100		
69	83.0	72.5	108.7
39	59.6	47.8	71.8





#49

1,4-Dioxane

Concen: 423.591 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

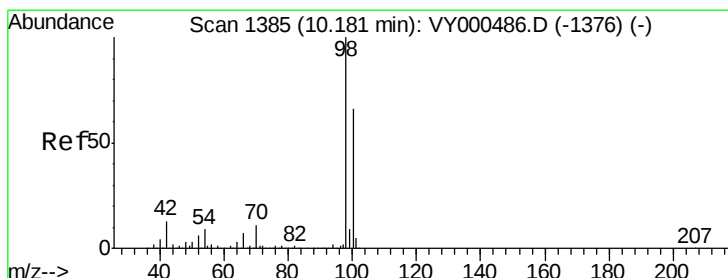
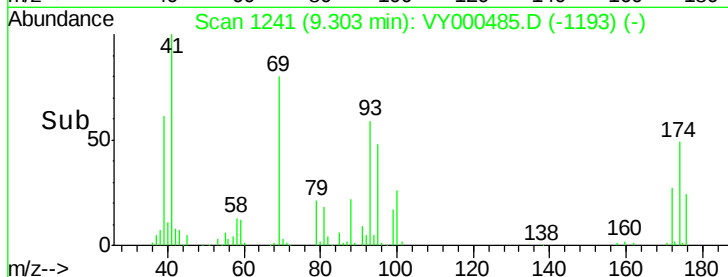
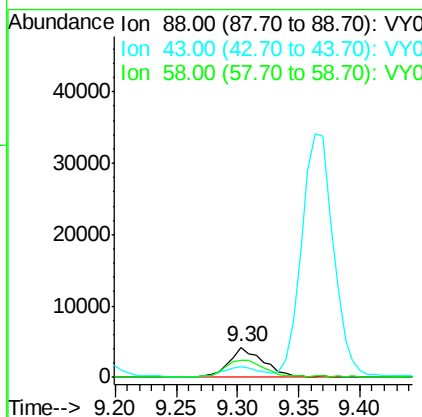
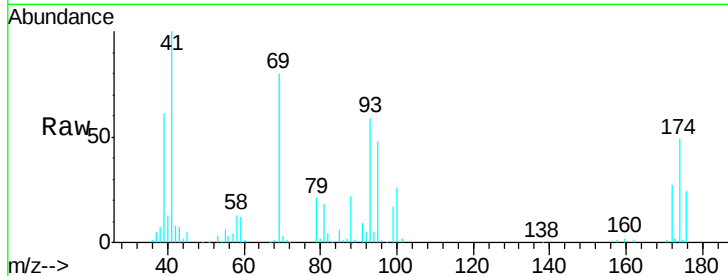
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	8196
Ion Ratio	Lower	Upper	
88	100		
43	38.9	25.1	37.7#
58	67.3	50.6	75.8

Manual Integrations
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#50

Toluene-d8

Concen: 18.900 ug/l

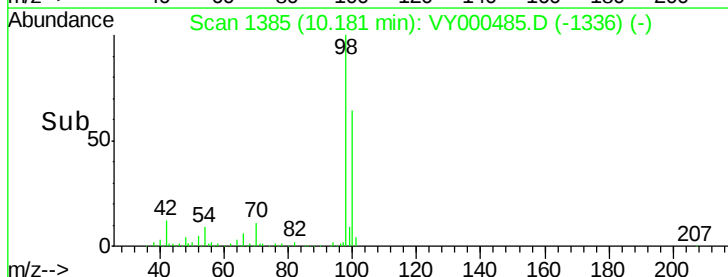
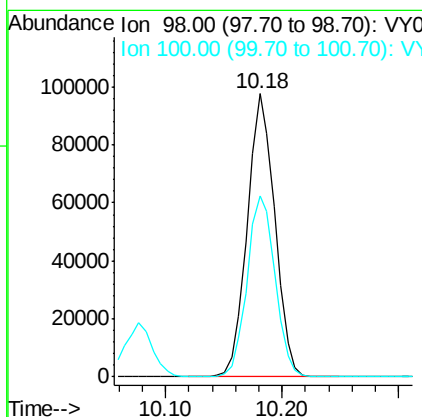
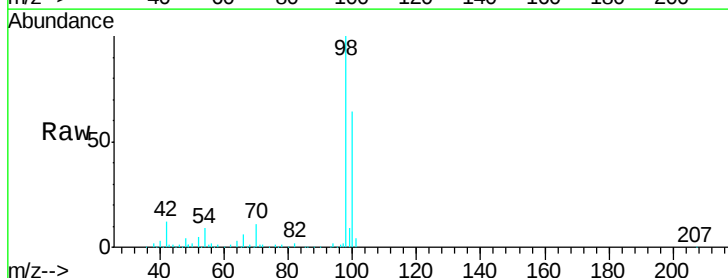
RT: 10.18 min Scan# 1385

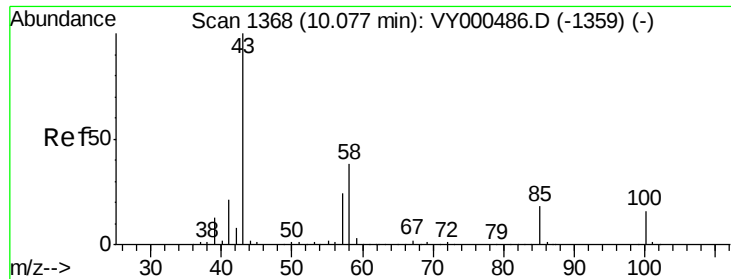
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	98	Resp:	161347
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 98.773 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 212186

Ion Ratio Lower Upper

43 100

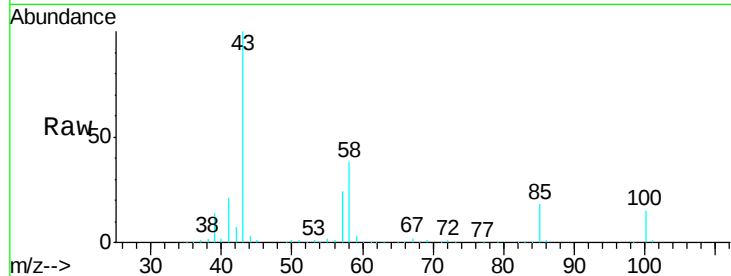
58 39.0 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

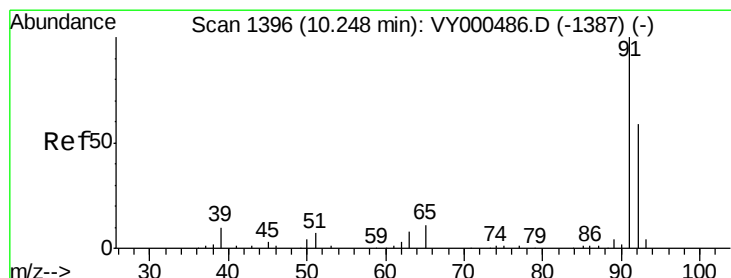
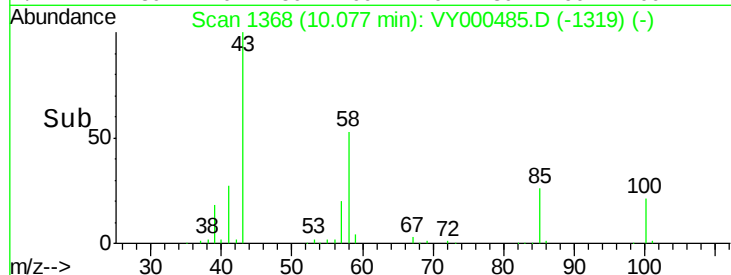
10.08

100000

50000

0

Time-->



#52

Toluene

Concen: 19.911 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000485.D

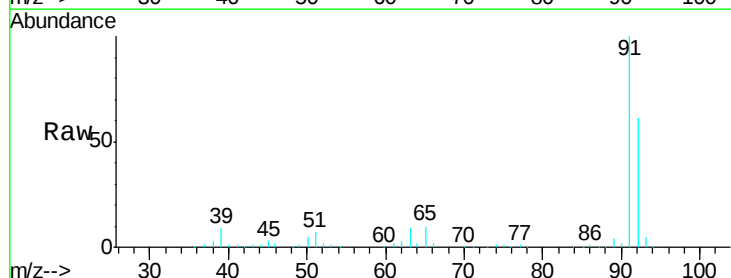
Acq: 30 Oct 2019 11:24

Tgt Ion: 92 Resp: 133707

Ion Ratio Lower Upper

92 100

91 167.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

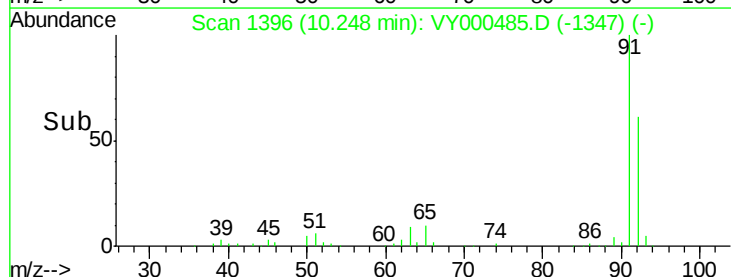
150000

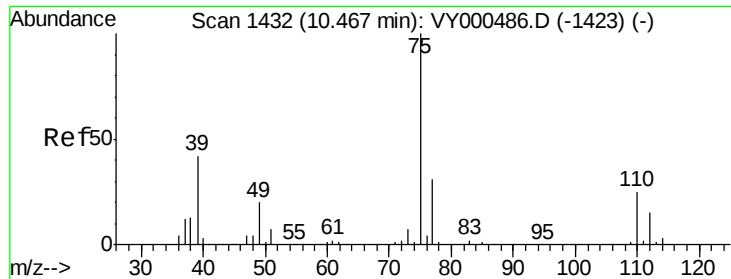
100000

50000

0

Time-->





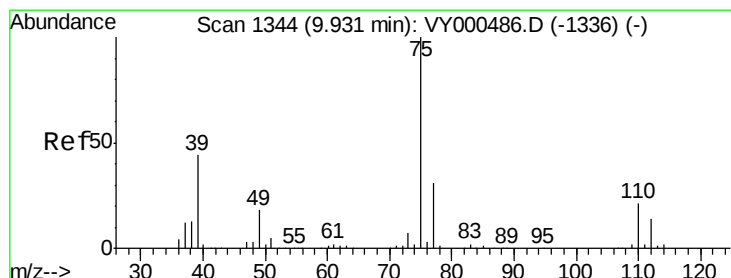
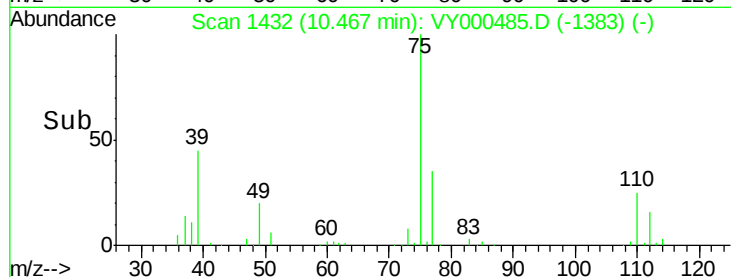
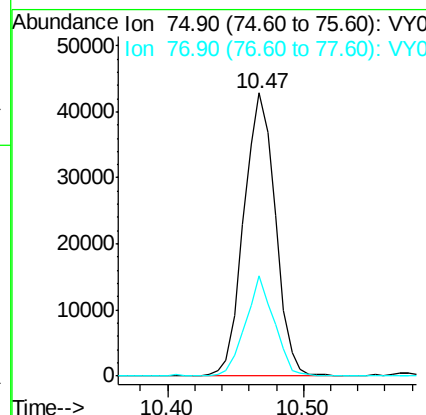
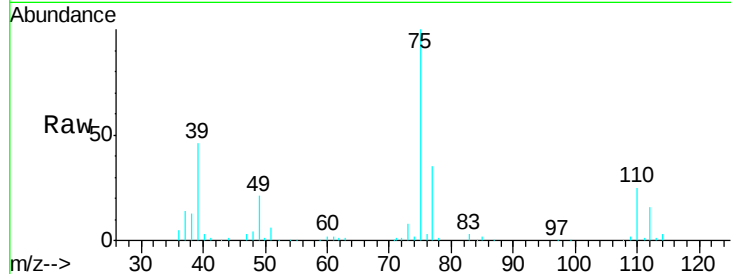
#53
 t-1,3-Dichloropropene
 Concen: 19.076 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 75 Resp: 69533
 Ion Ratio Lower Upper
 75 100
 77 35.5 24.6 37.0

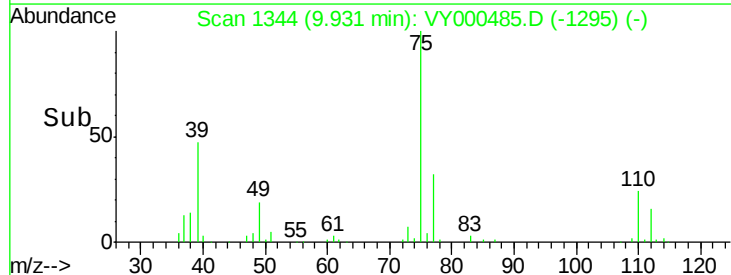
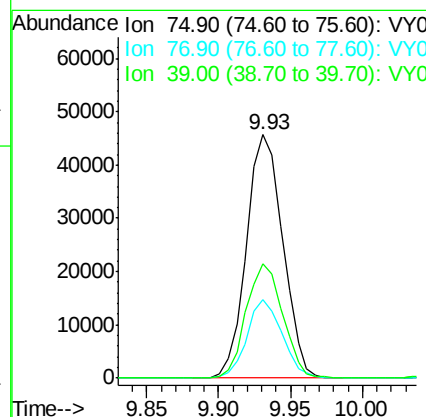
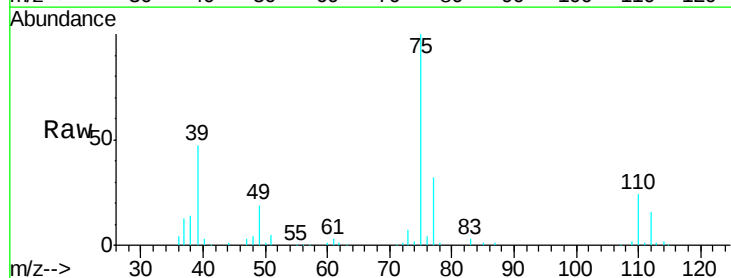
Manual Integrations
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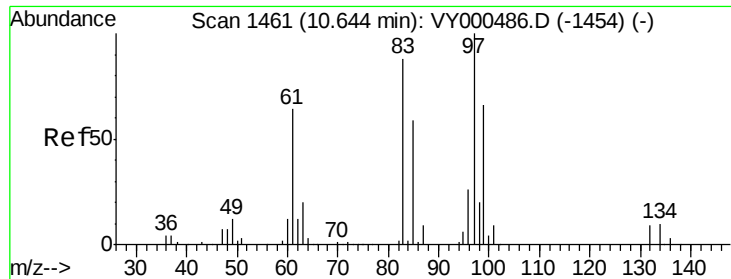
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#54
 cis-1,3-Dichloropropene
 Concen: 19.118 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 75 Resp: 79831
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.5 36.7
 39 47.2 35.4 53.2





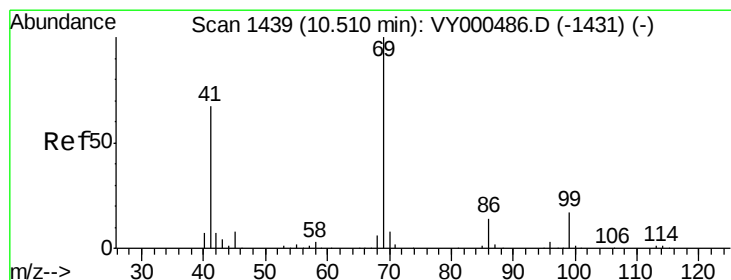
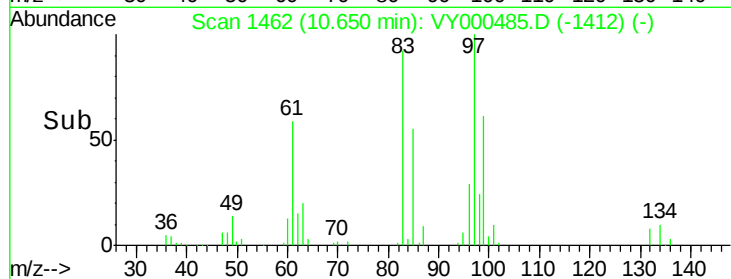
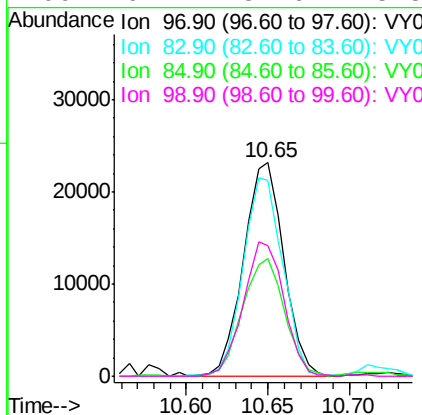
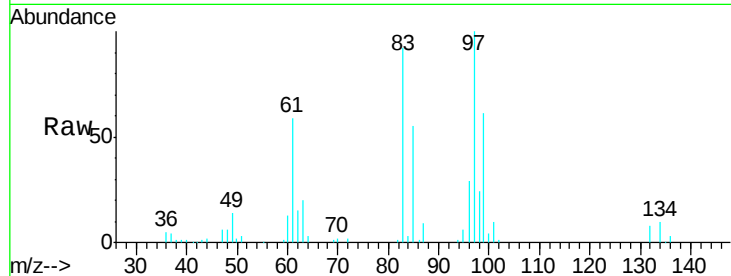
#55
1,1,2-Trichloroethane
Concen: 19.208 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	39941		
83	91.2	70.2	105.4	
85	55.2	46.9	70.3	
99	61.2	52.6	78.8	

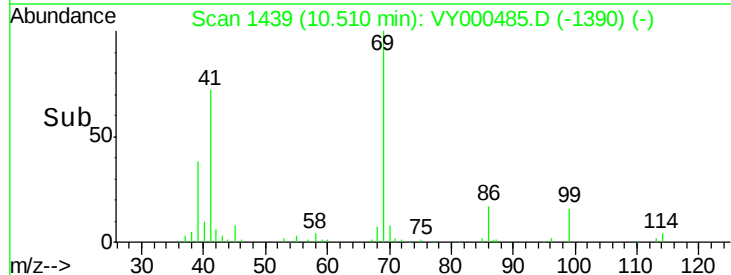
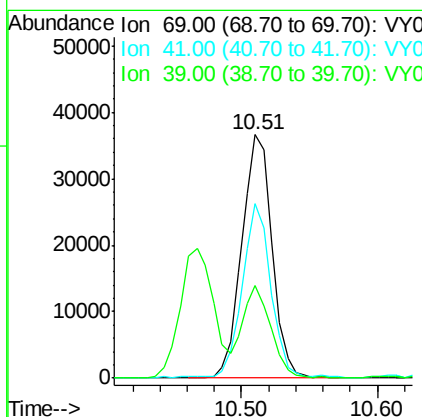
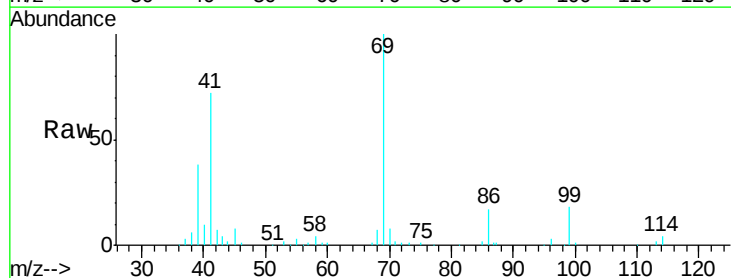
Manual Integrations
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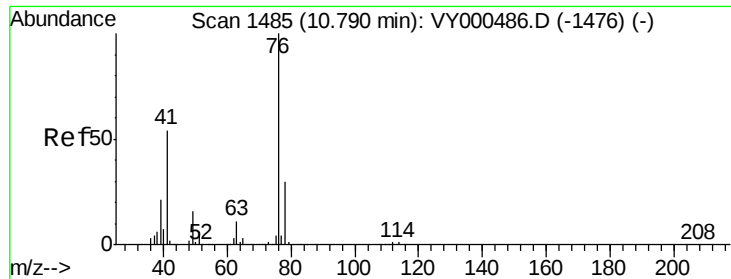
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#56
Ethyl methacrylate
Concen: 19.306 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	56898		
41	68.6	53.3	79.9	
39	35.3	28.0	42.0	





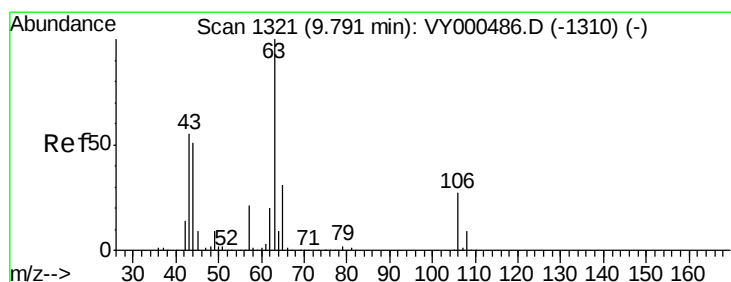
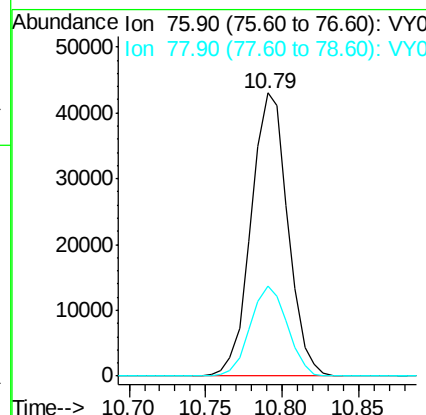
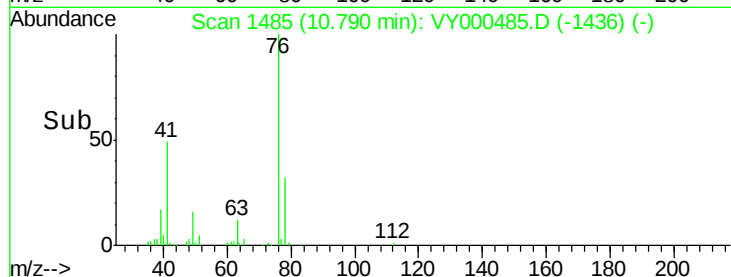
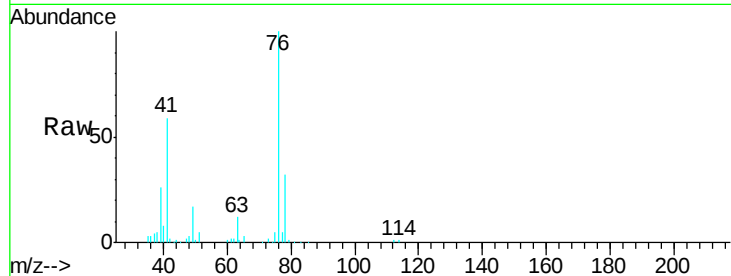
#57
 1,3-Dichloropropane
 Concen: 19.732 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 71814
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

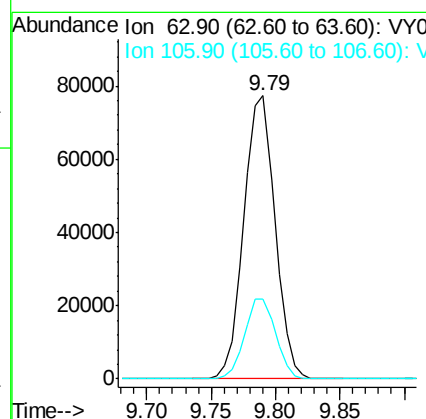
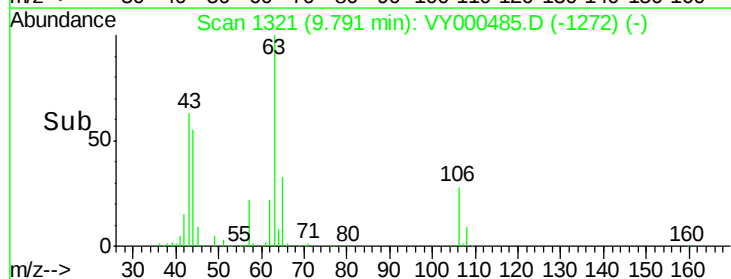
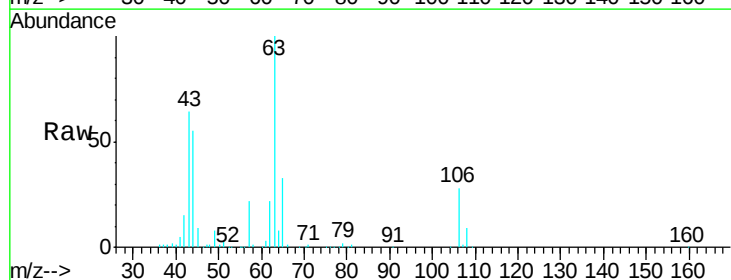
Manual Integrations
 APPROVED

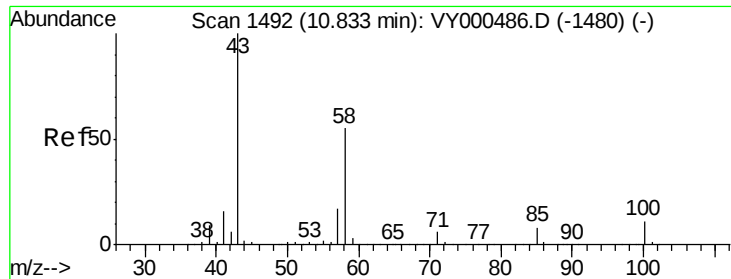
MMDadoda
 10/31/2019 11:31:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.244 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 63 Resp: 129569
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 33.8





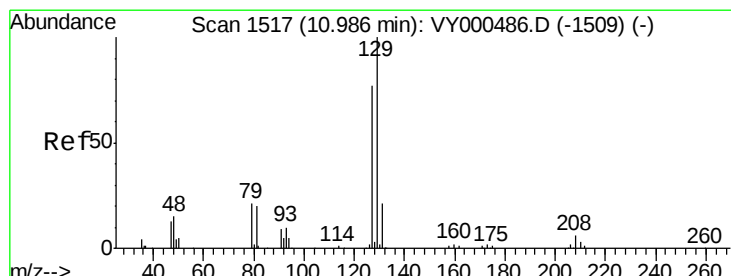
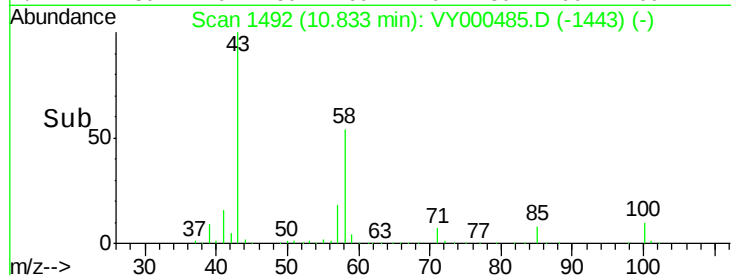
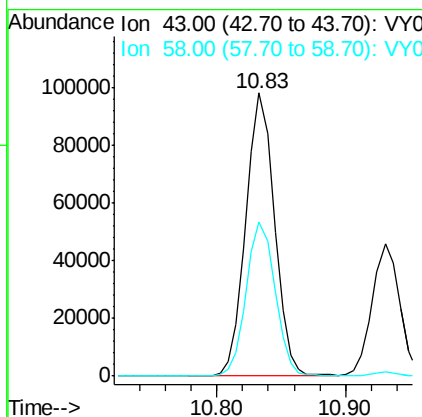
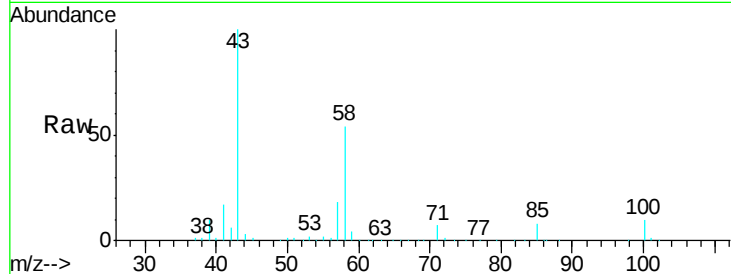
#59
2-Hexanone
Concen: 96.664 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 151297
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

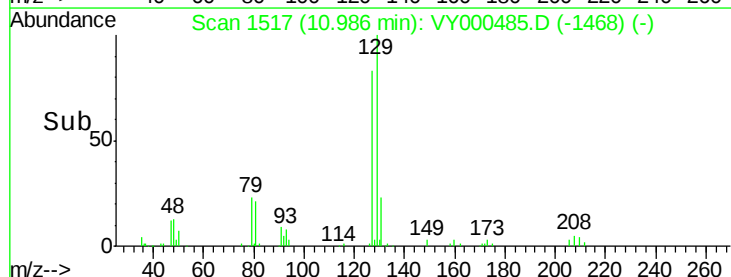
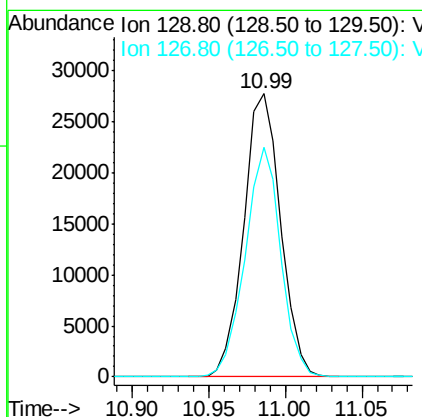
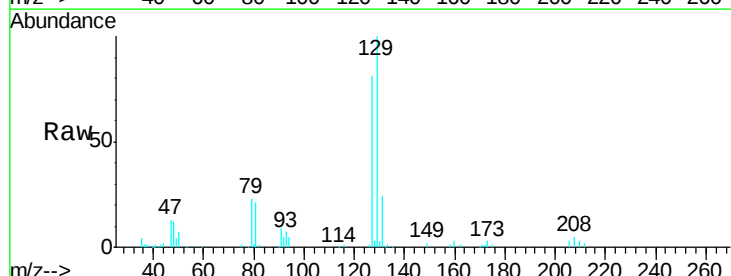
Manual Integrations
APPROVED

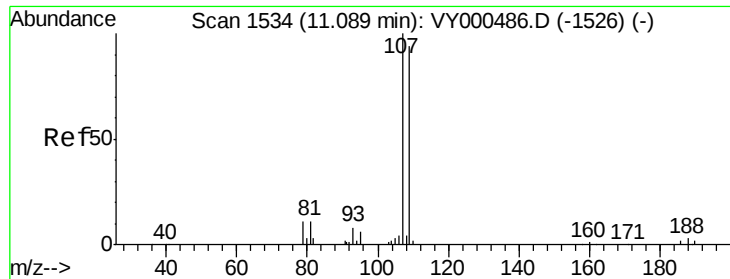
MMDadoda
10/31/2019 11:31:24 AM



#60
Dibromochloromethane
Concen: 19.544 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 129 Resp: 46550
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





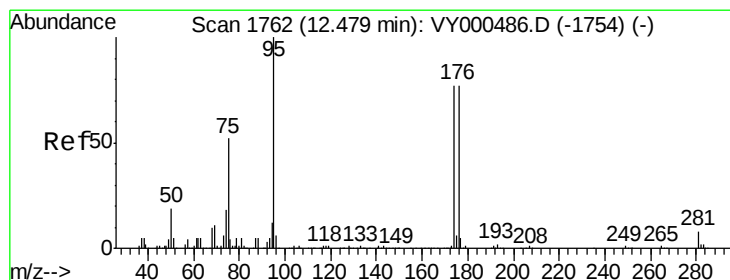
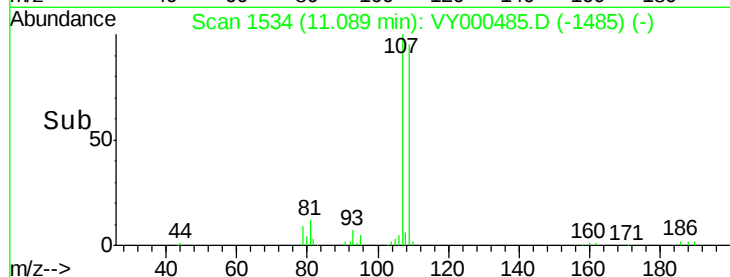
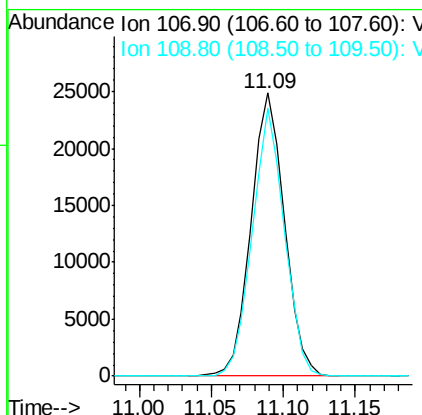
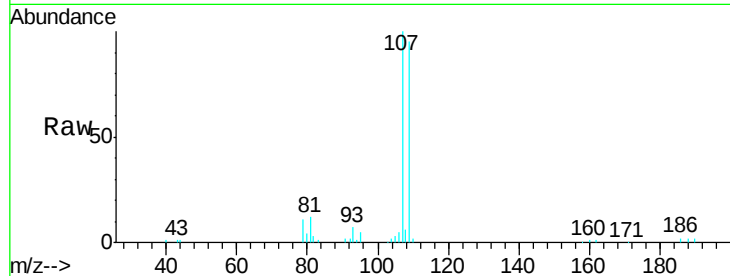
#61
1,2-Dibromoethane
Concen: 19.891 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.9	73.6	110.4

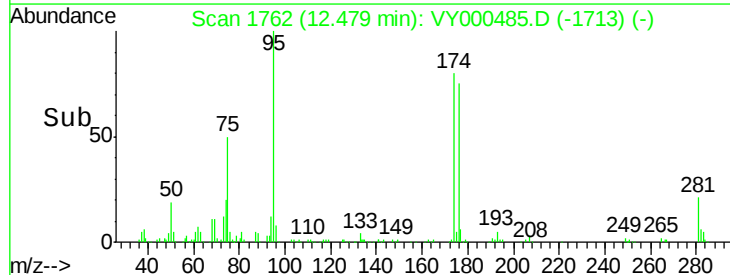
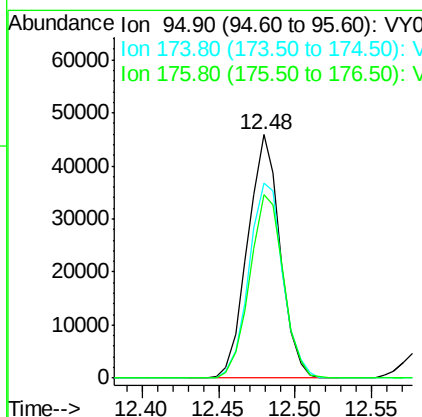
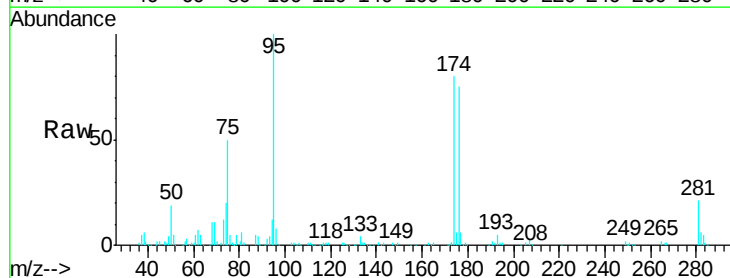
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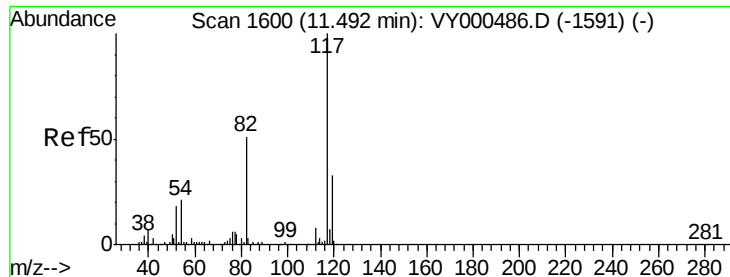
MMDadoda
10/31/2019 11:31:24 AM



#62
4-Bromofluorobenzene
Concen: 20.789 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	161.6
176	78.3	0.0	157.8





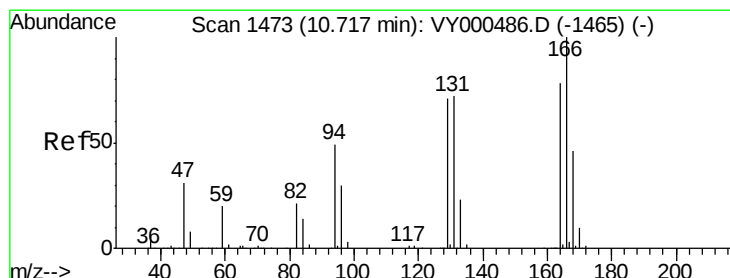
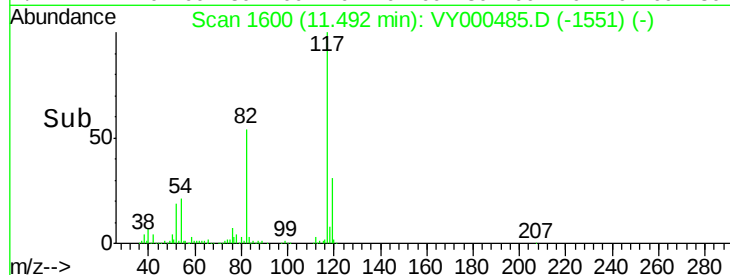
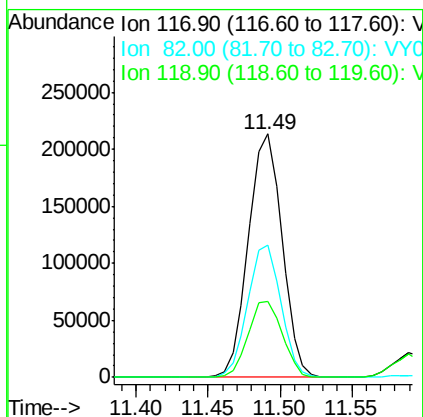
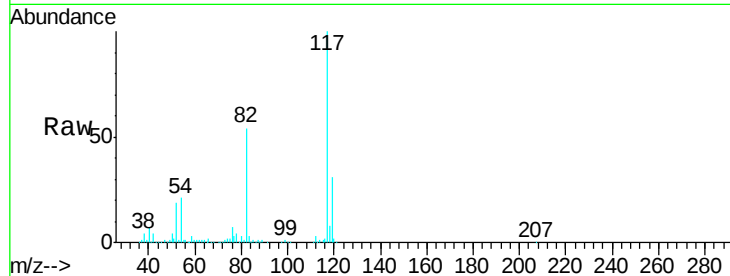
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	344879		
82	54.1	40.8	61.2	
119	31.1	26.2	39.2	

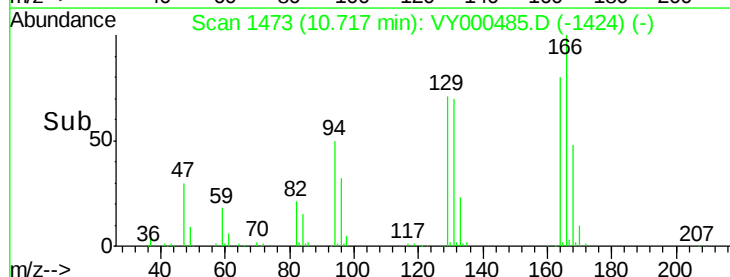
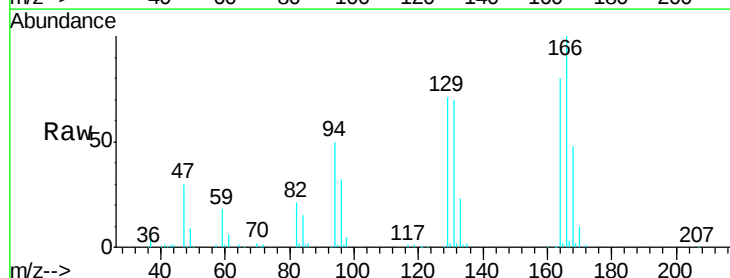
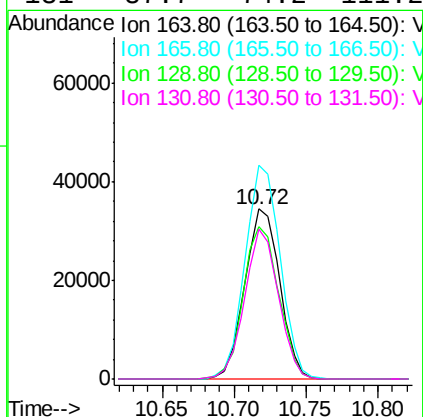
Manual Integrations
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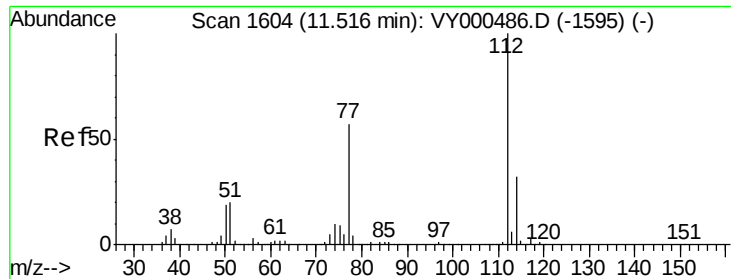
MMDadoda
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#64
Tetrachloroethene
Concen: 20.293 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57870		
166	125.6	102.7	154.1	
129	89.2	73.2	109.8	
131	87.7	74.2	111.2	





#65

Chlorobenzene

Concen: 19.795 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 138413

Ion Ratio Lower Upper

112 100

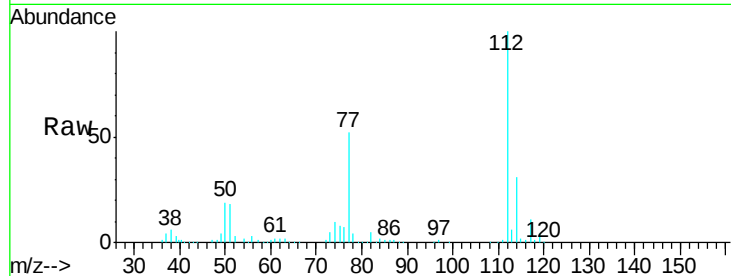
114 30.6 25.3 37.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

100000

80000

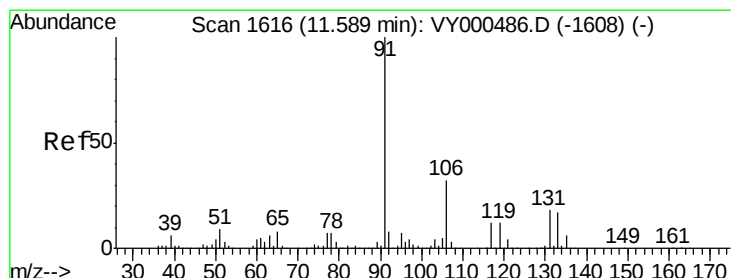
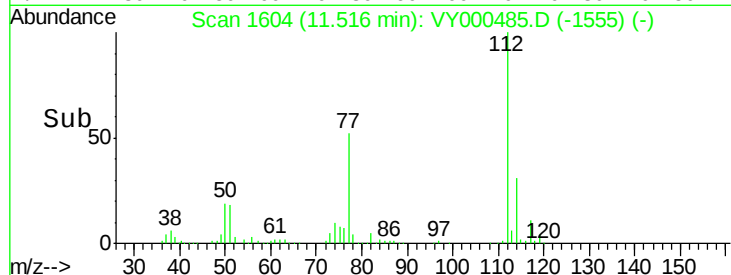
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

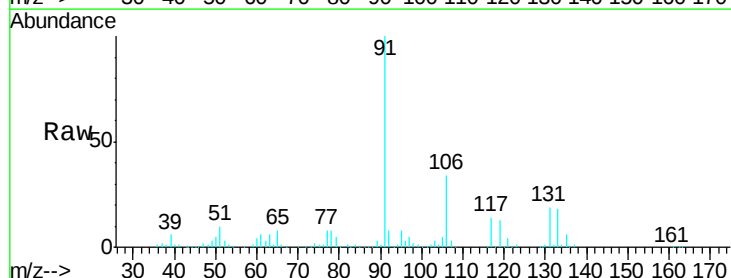
Tgt Ion:131 Resp: 47699

Ion Ratio Lower Upper

131 100

133 92.8 47.9 143.8

119 66.3 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

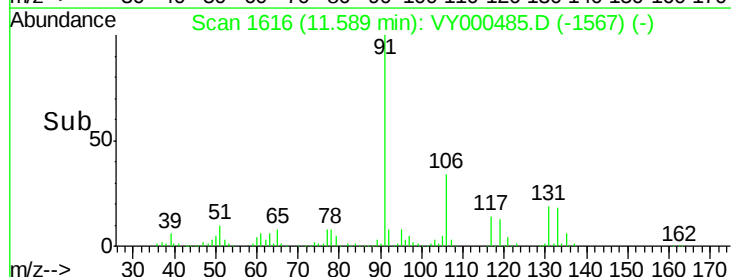
60000

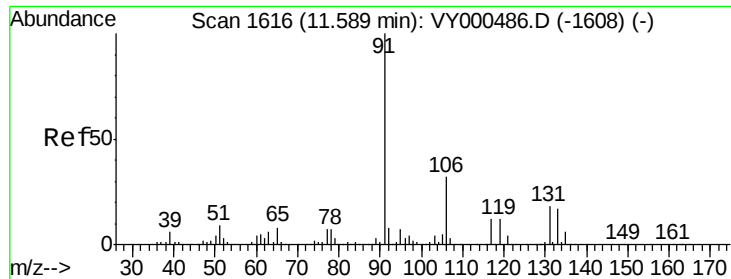
40000

20000

0

Time-->





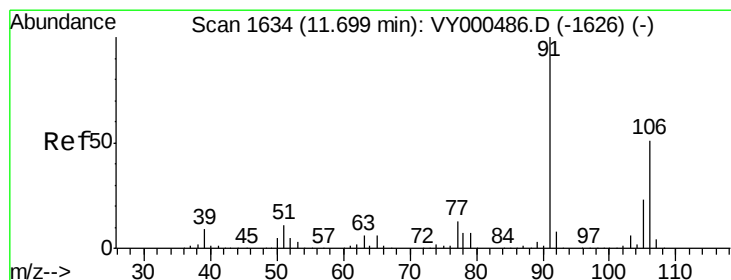
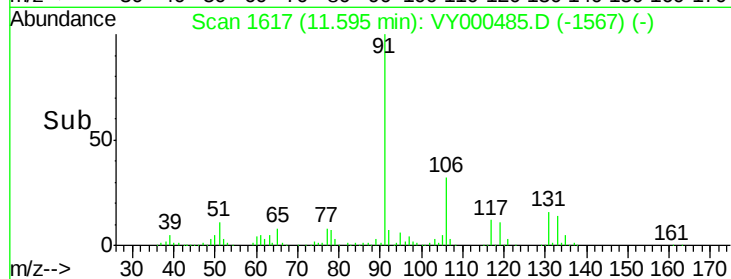
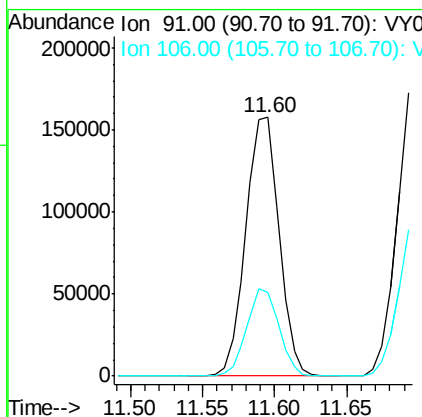
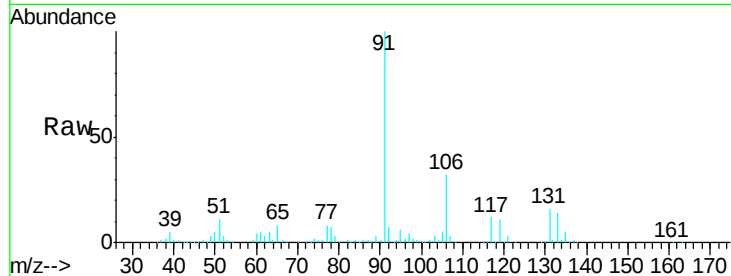
#67
Ethyl Benzene
Concen: 19.556 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 251663
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0

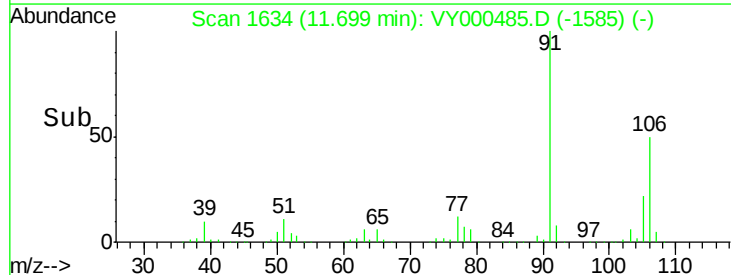
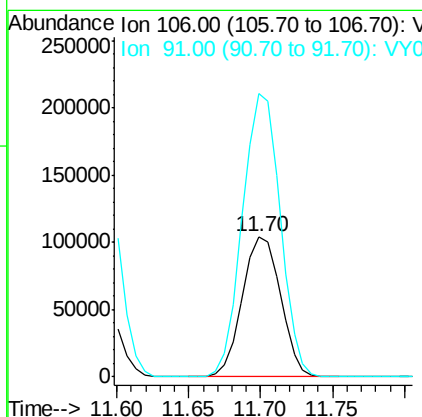
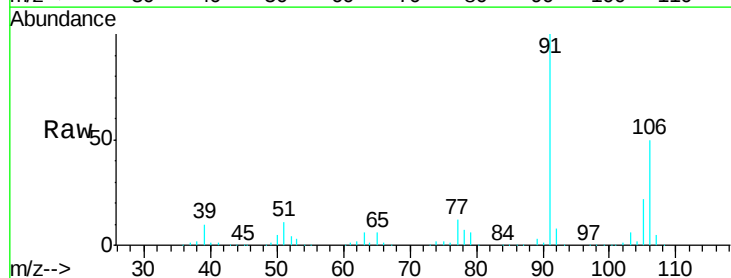
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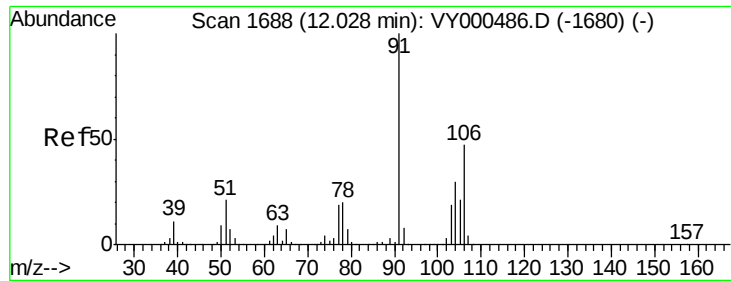
MMDadoda
10/31/2019 11:31:24 AM



#68
m/p-Xylenes
Concen: 38.601 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 106 Resp: 192263
Ion Ratio Lower Upper
106 100
91 199.4 155.9 233.9





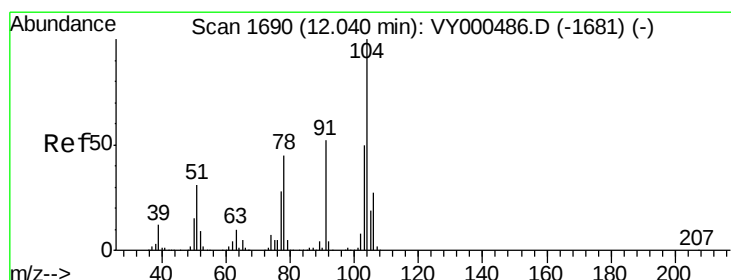
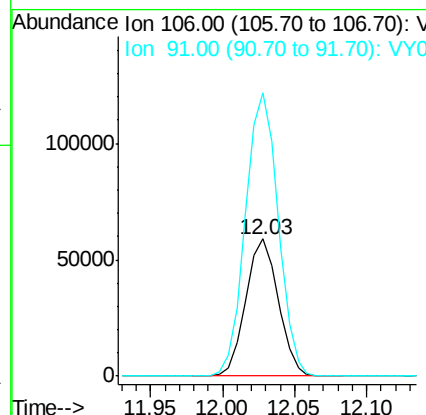
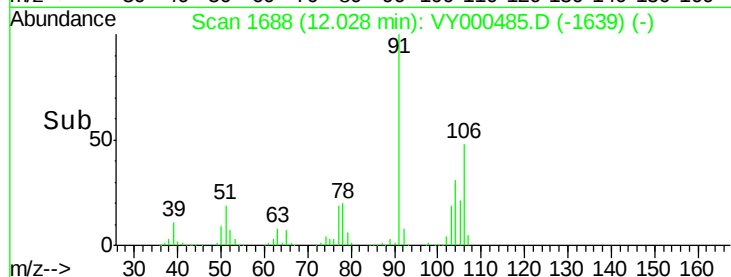
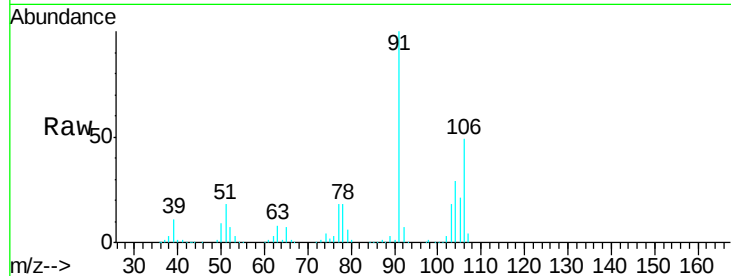
#69
o-Xylene
Concen: 19.693 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 92183
Ion Ratio Lower Upper
106 100
91 207.9 106.5 319.6

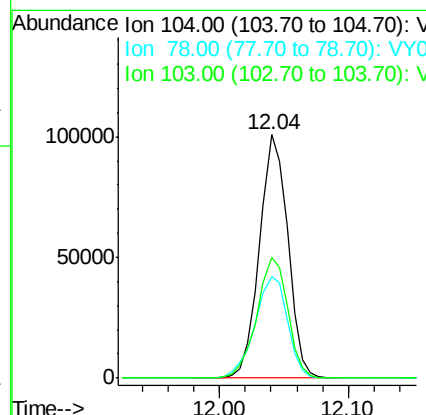
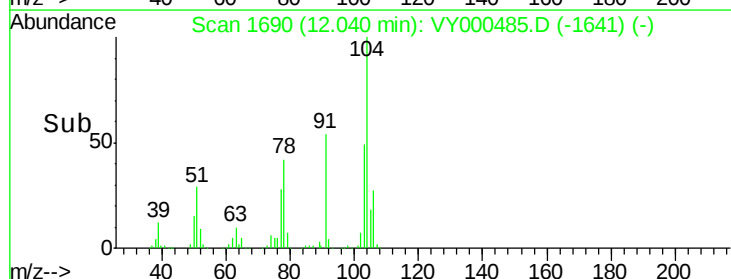
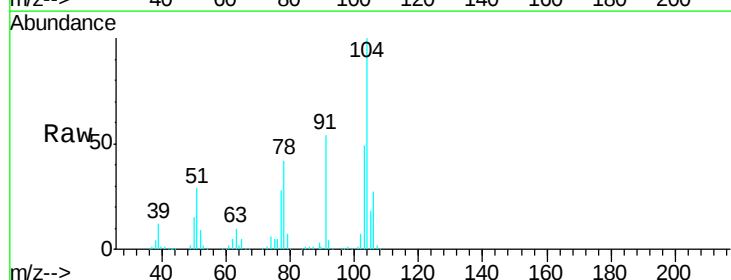
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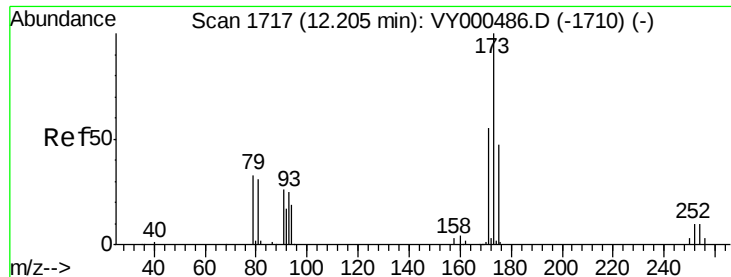
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#70
Styrene
Concen: 19.143 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion:104 Resp: 153443
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.4
103 53.9 42.5 63.7





#71

Bromoform

Concen: 19.484 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

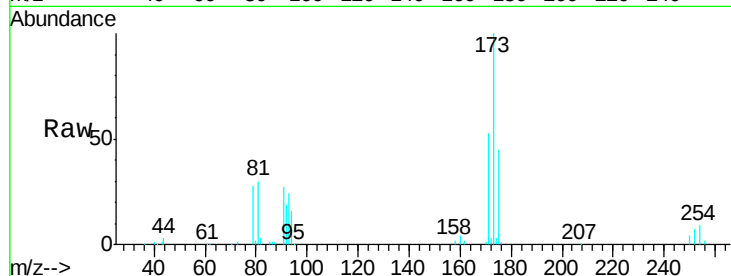
ClientSampleId :

VSTDIC020

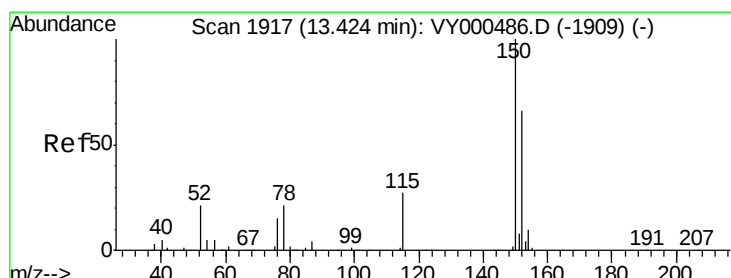
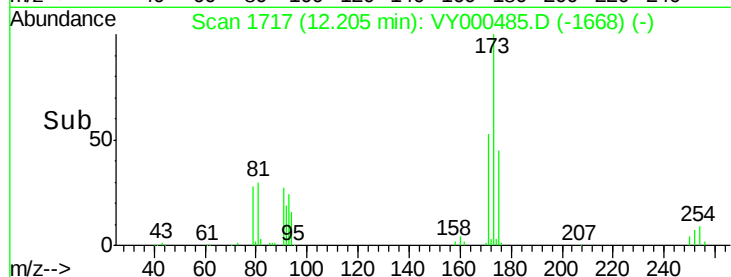
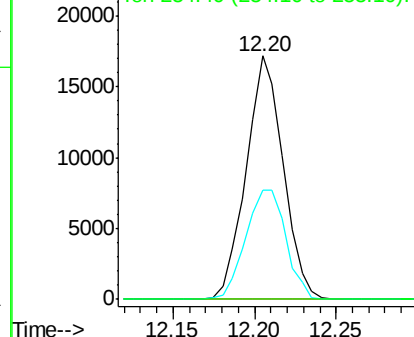
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

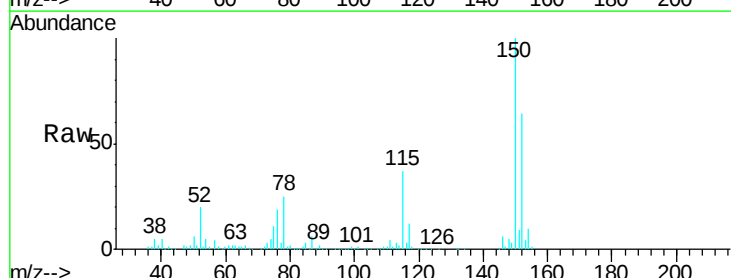
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

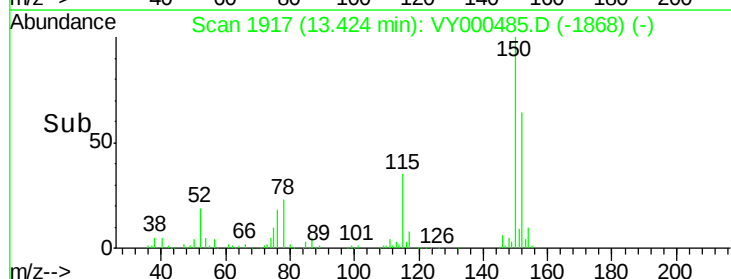
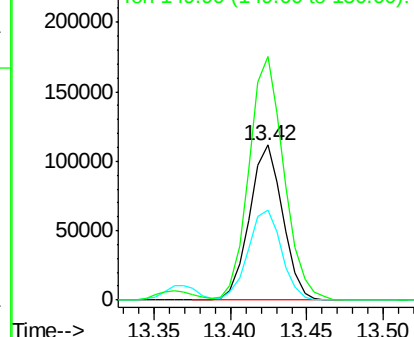
Lab File: VY000485.D

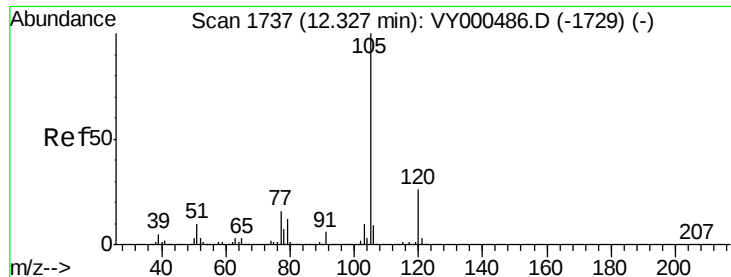
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.1	87.4
150	164.7	0.0	348.8



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





#73

Isopropylbenzene

Concen: 19.458 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 242223

Ion Ratio Lower Upper

105 100

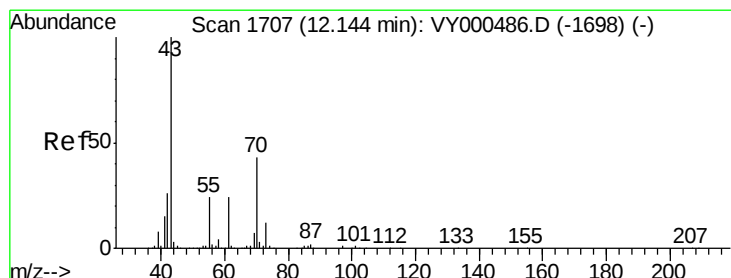
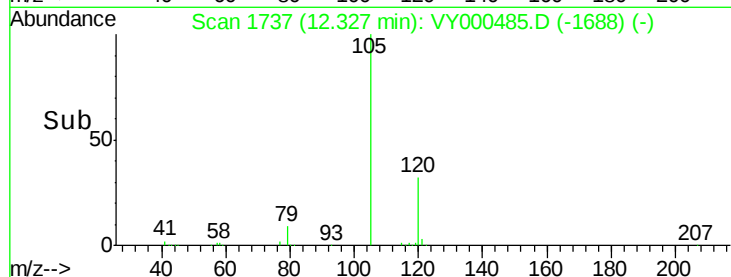
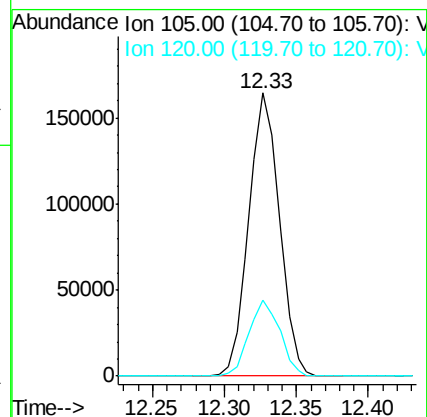
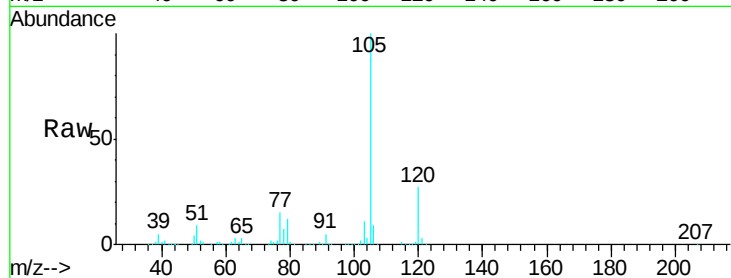
120 27.1 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.511 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion: 43 Resp: 69559

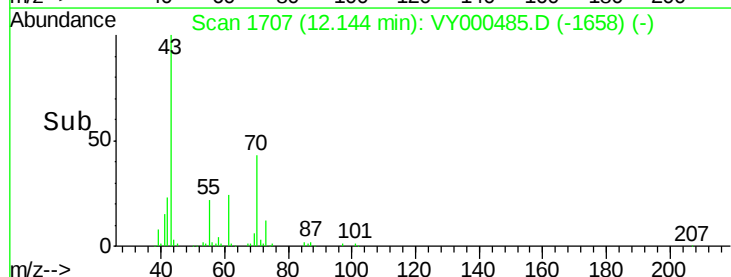
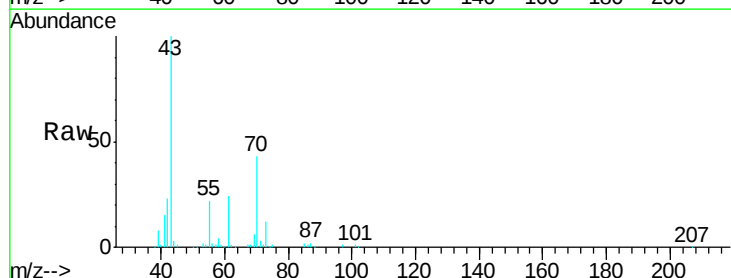
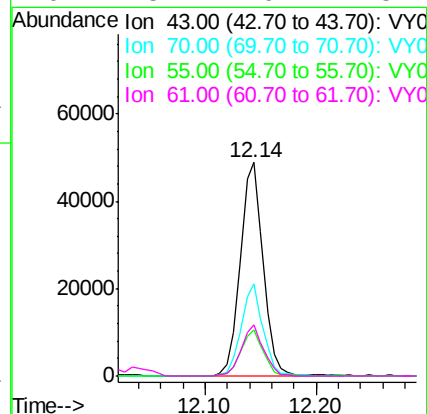
Ion Ratio Lower Upper

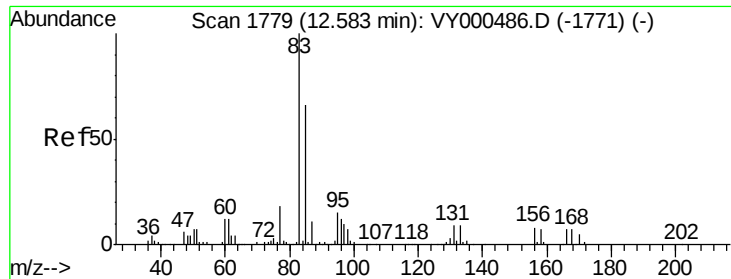
43 100

70 41.3 33.1 49.7

55 21.2 18.0 27.0

61 23.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.459 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

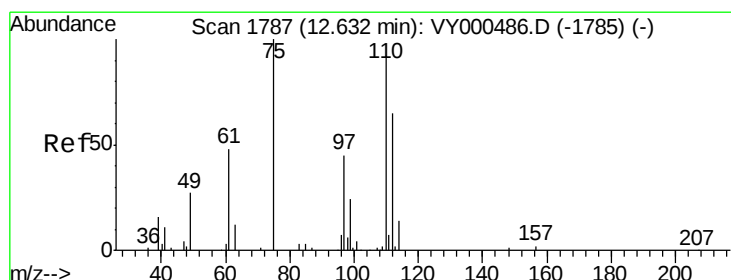
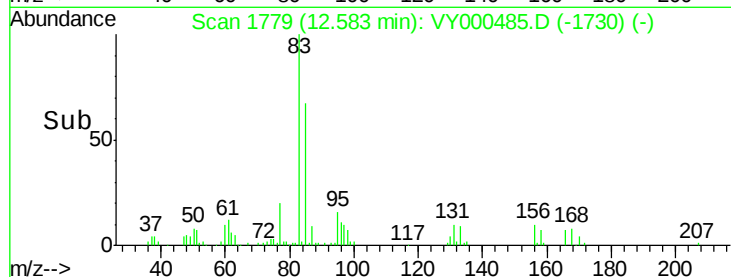
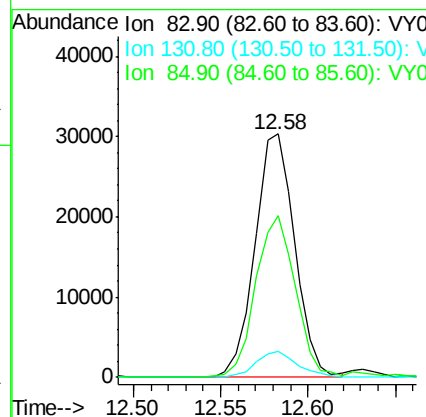
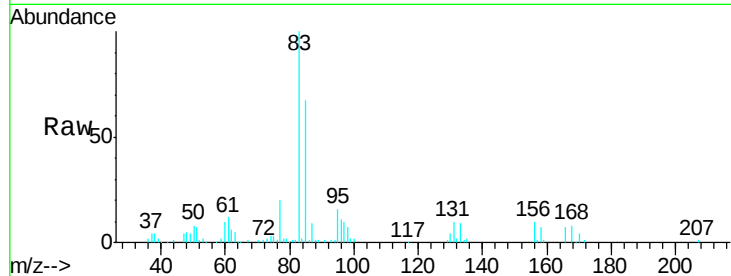
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	47963
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.0	14.9
85	66.3	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 10.935 ug/l m

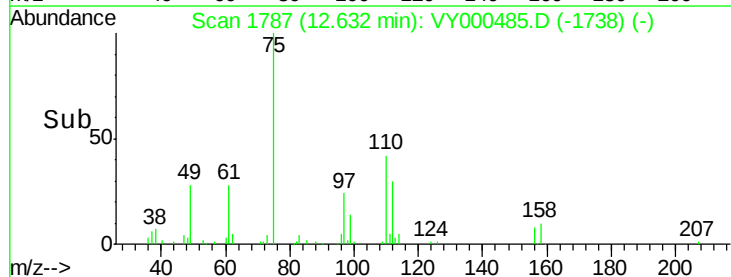
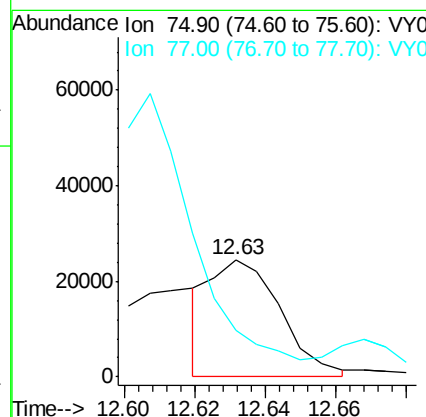
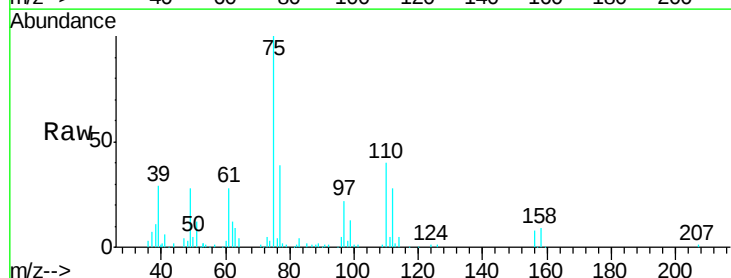
RT: 12.63 min Scan# 1787

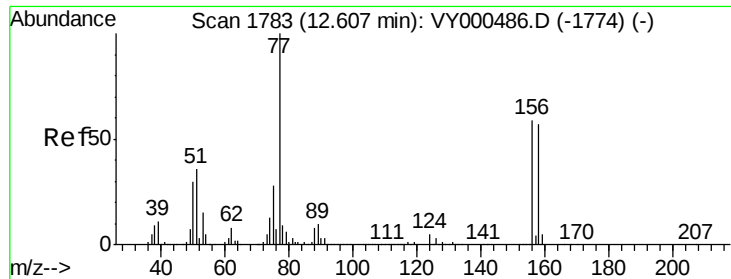
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	75	Resp:	34059
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.744 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

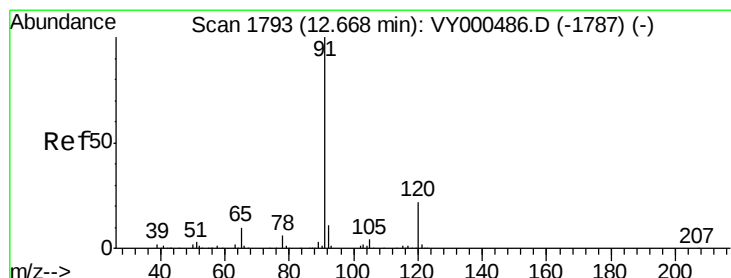
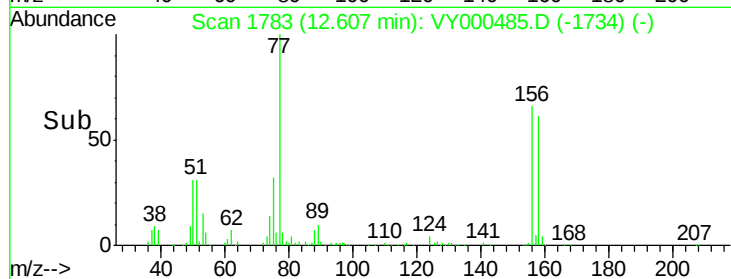
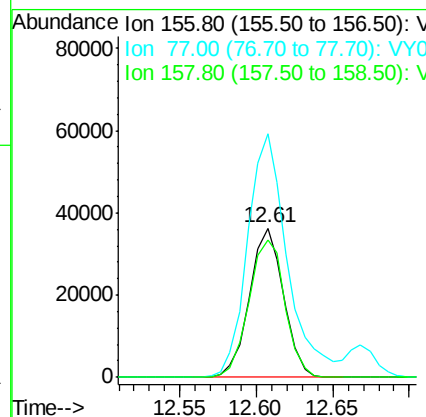
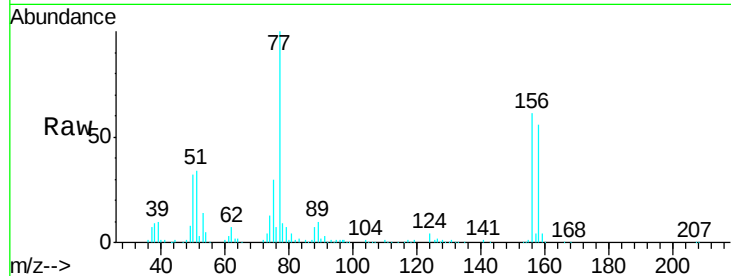
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.3	98.2	294.4
158	97.8	49.6	149.0

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#78

n-propylbenzene

Concen: 19.629 ug/l

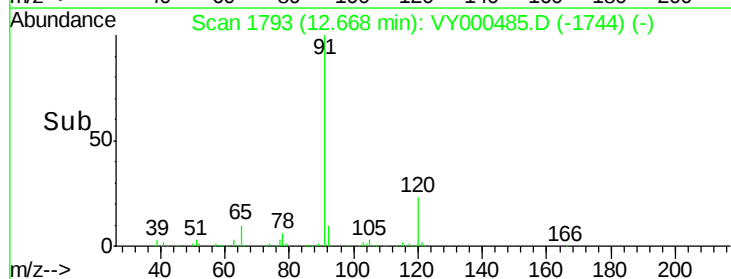
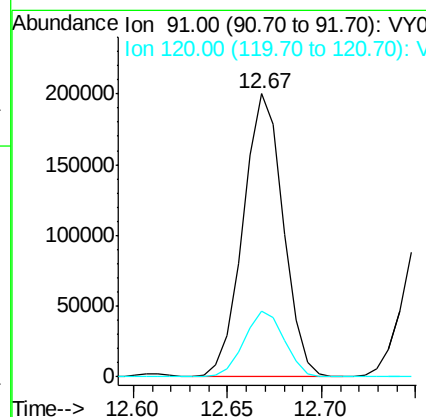
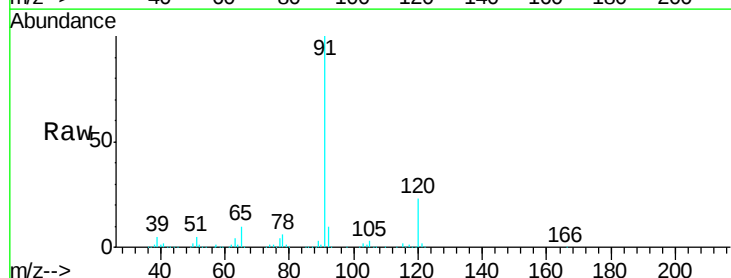
RT: 12.67 min Scan# 1793

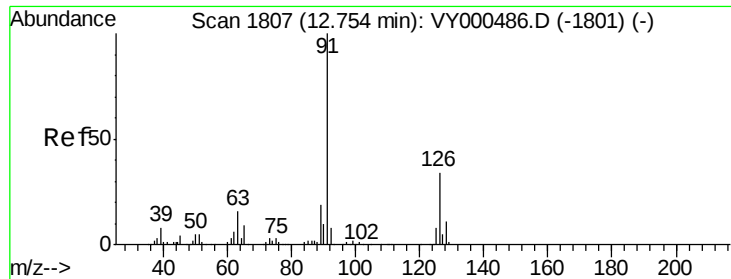
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.4	34.1





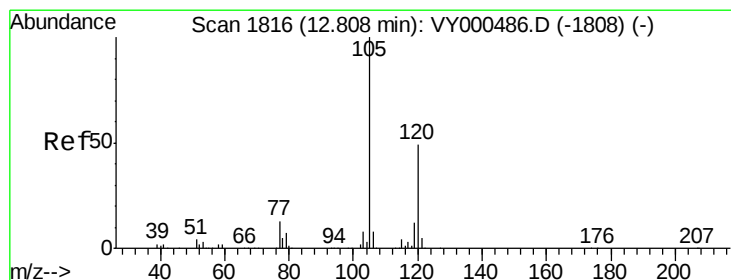
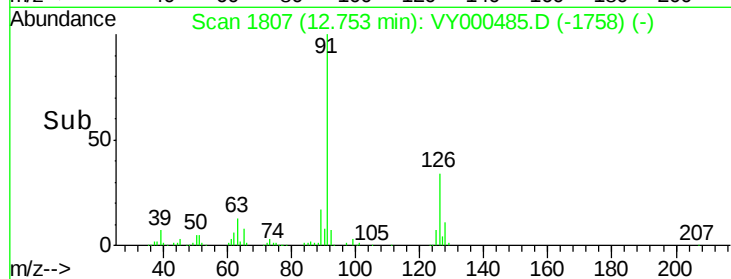
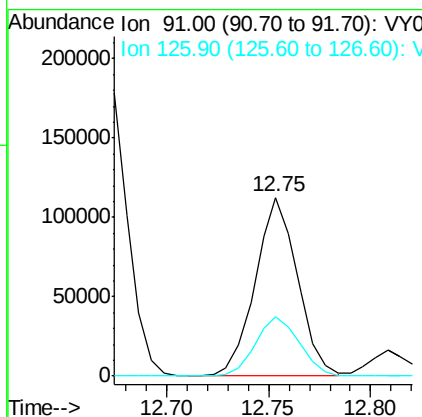
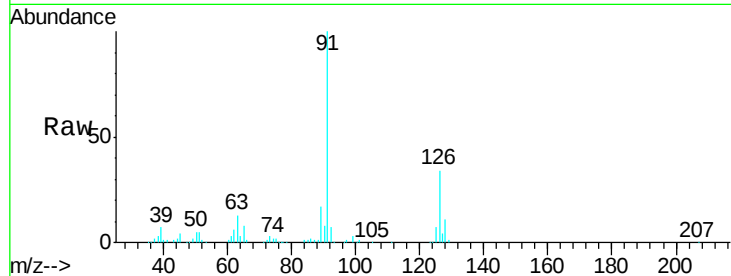
#79
 2-Chlorotoluene
 Concen: 19.531 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 162863
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.7 53.1

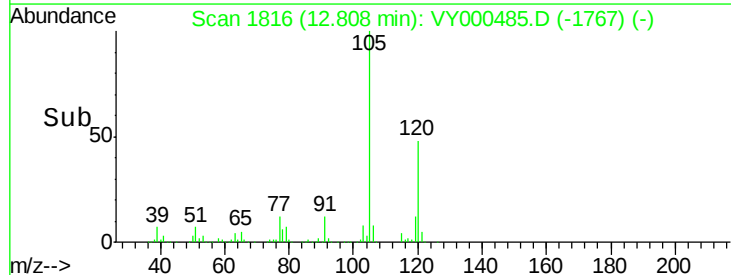
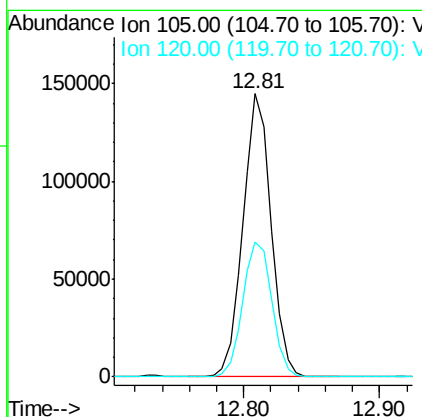
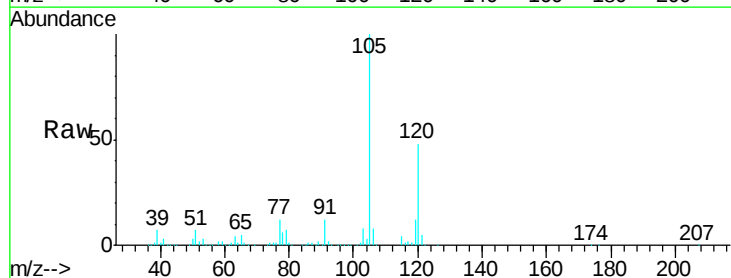
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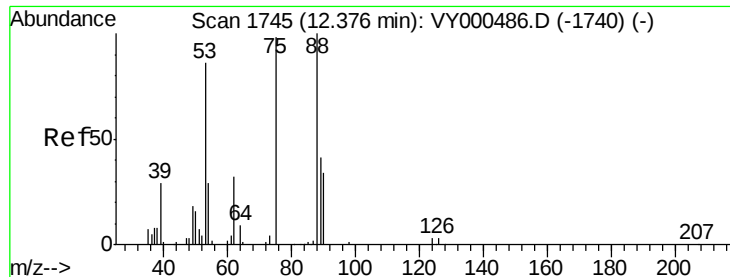
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.075 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 105 Resp: 208130
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.958 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

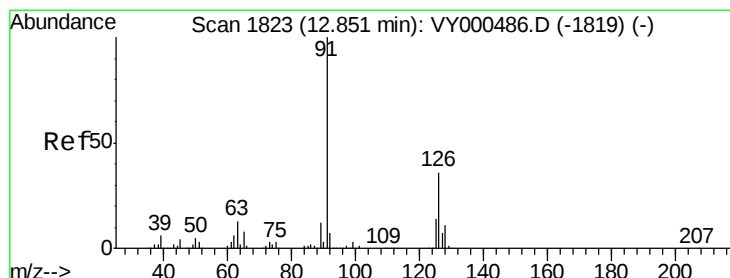
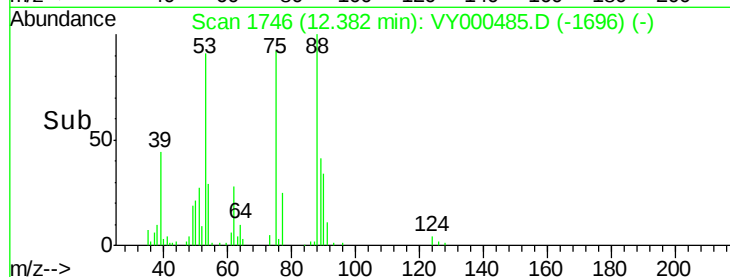
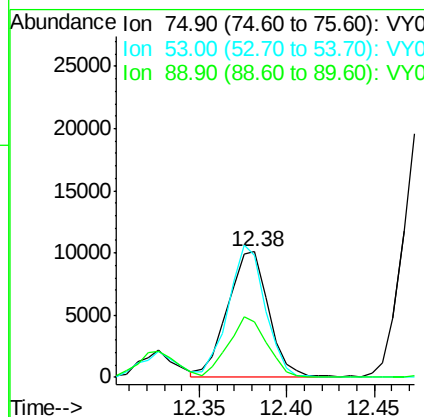
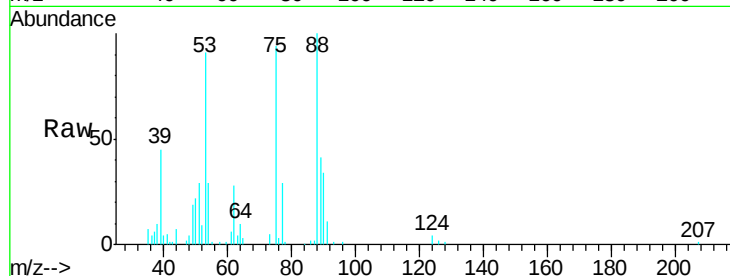
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	16216
Ion	Ratio	Lower	Upper
75	100		
53	97.2	73.2	109.8
89	46.2	35.9	53.9

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#82

4-Chlorotoluene

Concen: 19.597 ug/l

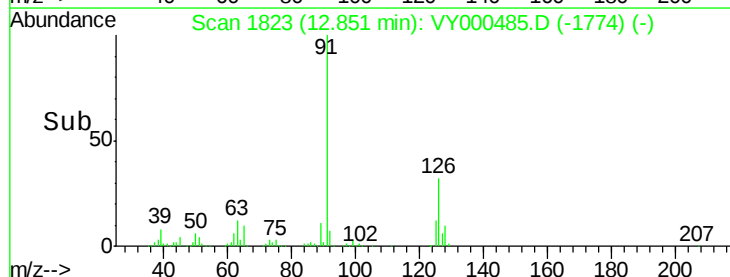
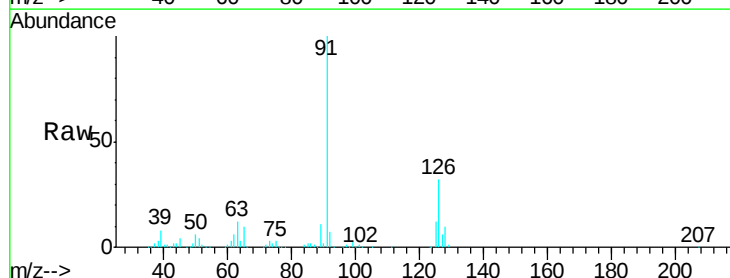
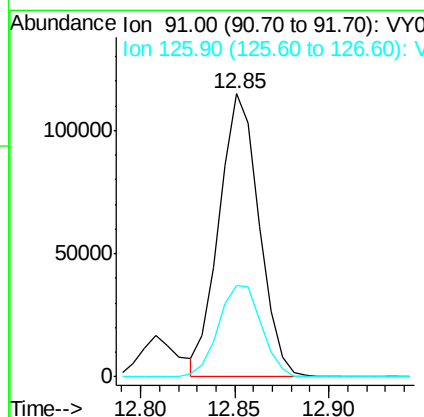
RT: 12.85 min Scan# 1823

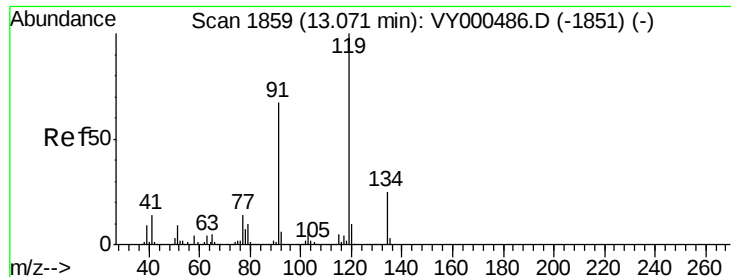
Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion:	91	Resp:	169385
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9





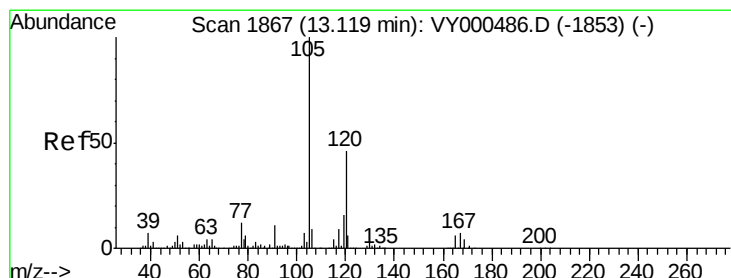
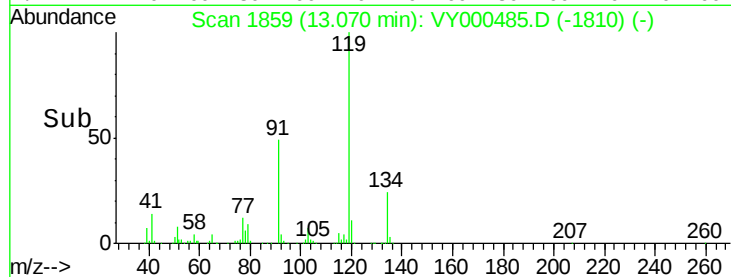
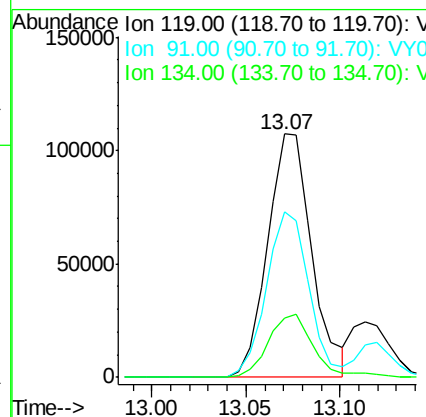
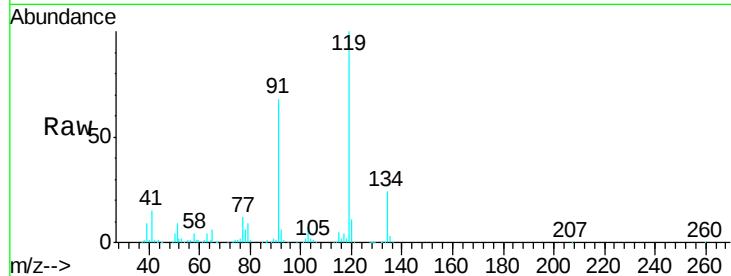
#83
 tert-Butylbenzene
 Concen: 19.673 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	174147		
91	65.5	32.1	96.3	
134	26.7	13.2	39.5	

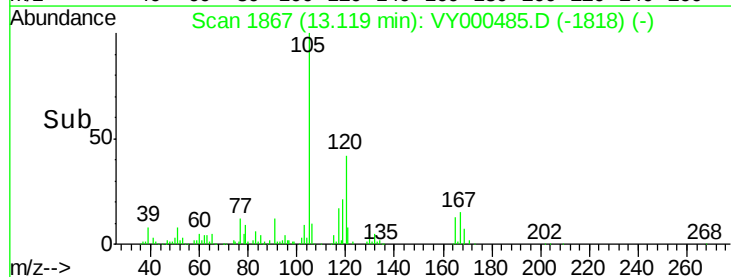
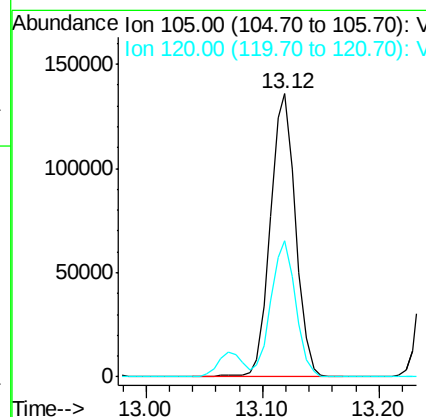
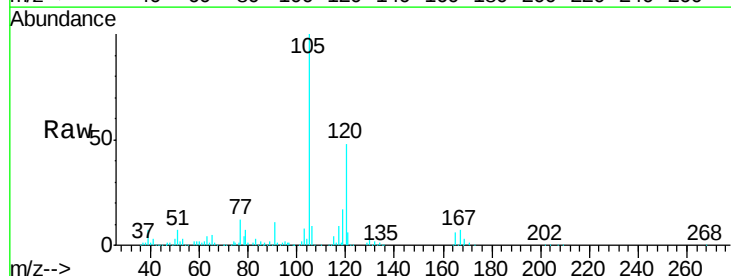
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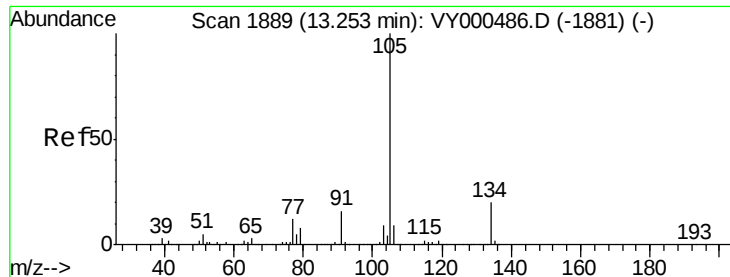
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.780 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204184		
120	47.3	23.3	69.9	





#85

sec-Butylbenzene

Concen: 19.673 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 248110

Ion Ratio Lower Upper

105 100

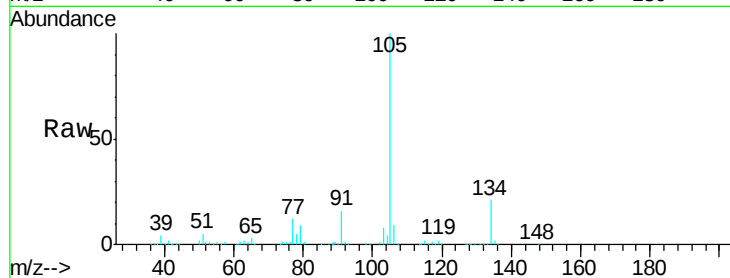
134 20.4 10.1 30.1

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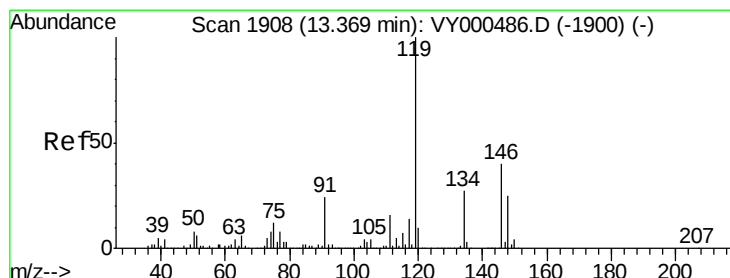
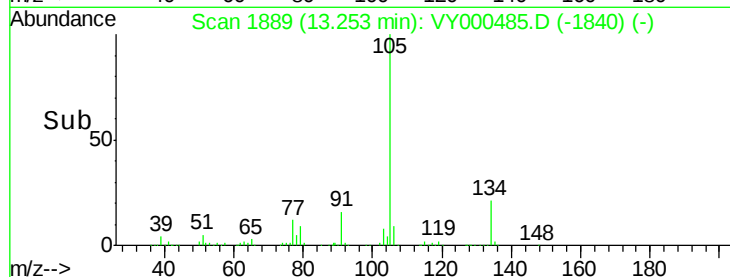
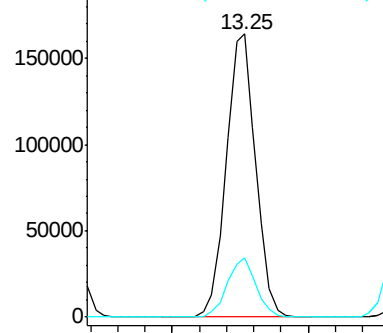
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.010 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

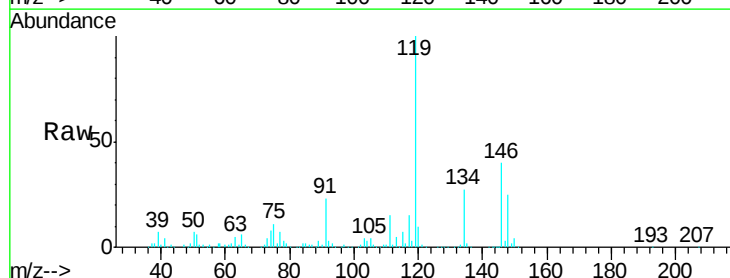
Tgt Ion:119 Resp: 224920

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

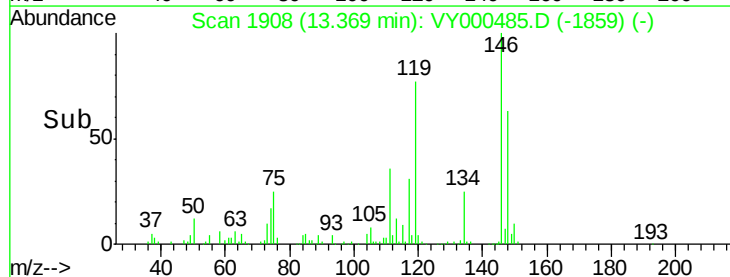
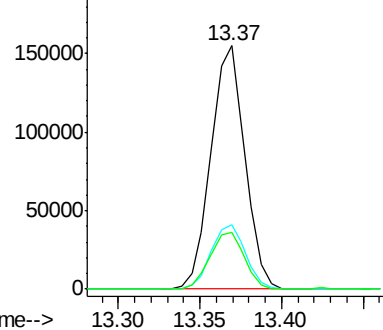
91 23.8 12.0 36.1

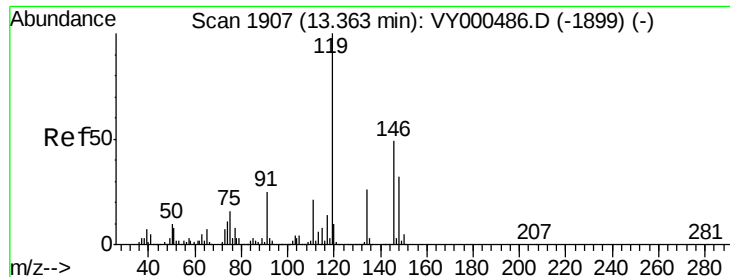


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





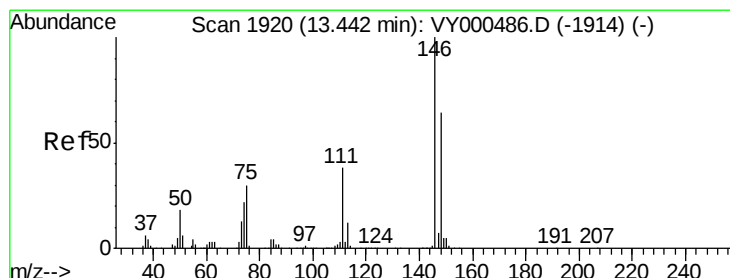
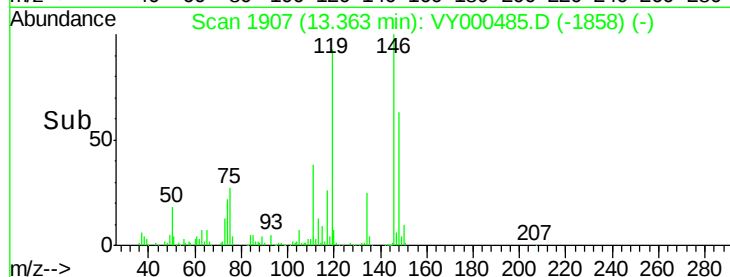
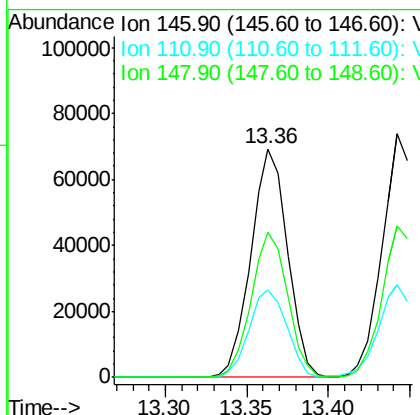
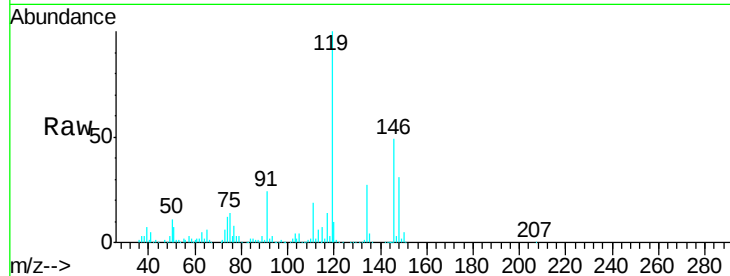
#87
 1,3-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108267		
111	39.9	20.3	60.8	
148	63.0	31.5	94.5	

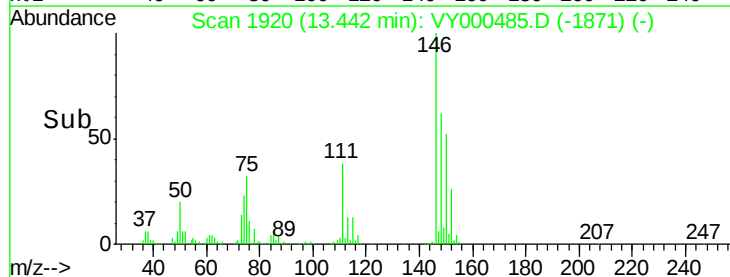
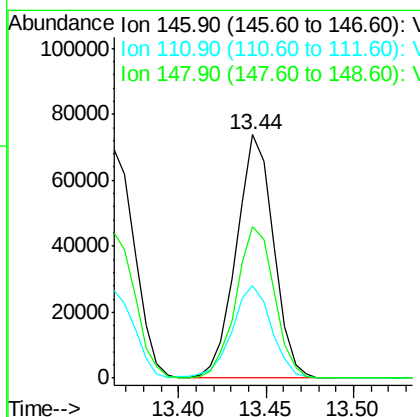
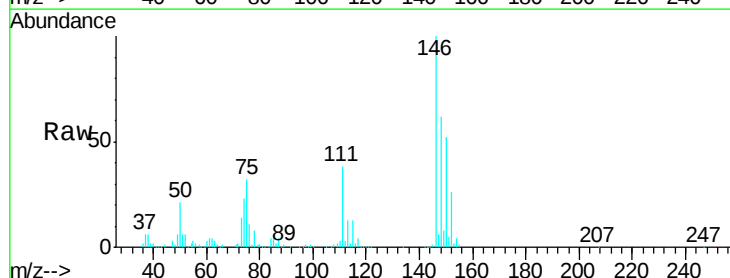
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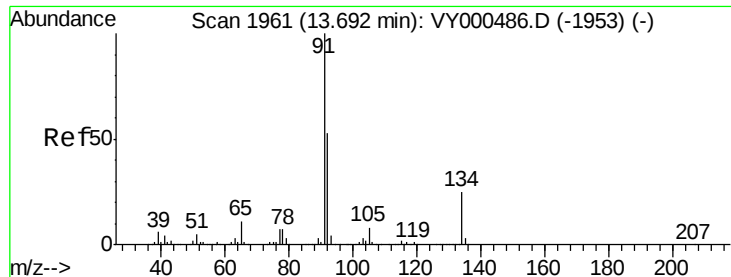
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#88
 1,4-Dichlorobenzene
 Concen: 19.816 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109486		
111	40.0	19.7	59.0	
148	64.0	31.9	95.7	





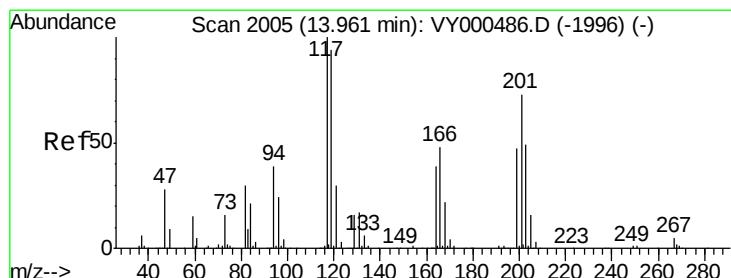
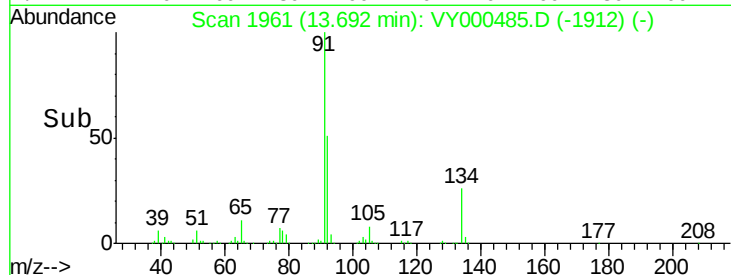
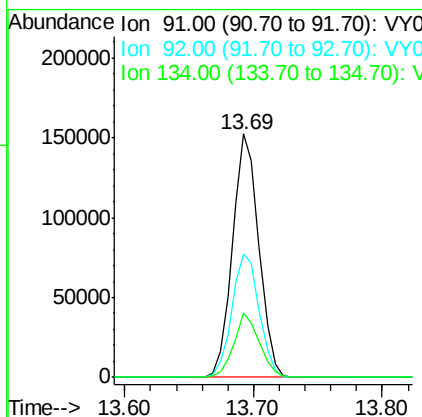
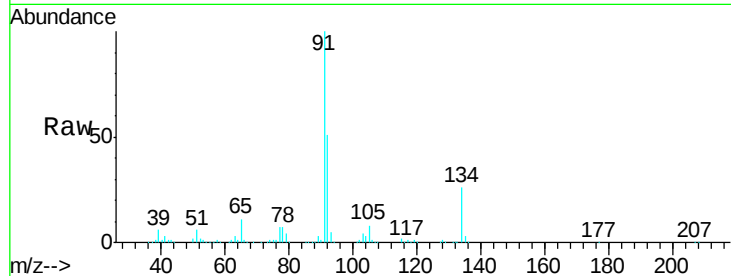
#89
n-Butylbenzene
Concen: 19.599 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	217283		
92	52.6	26.8	80.3	
134	25.6	12.9	38.7	

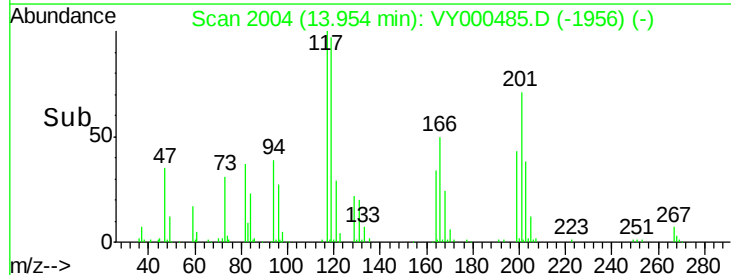
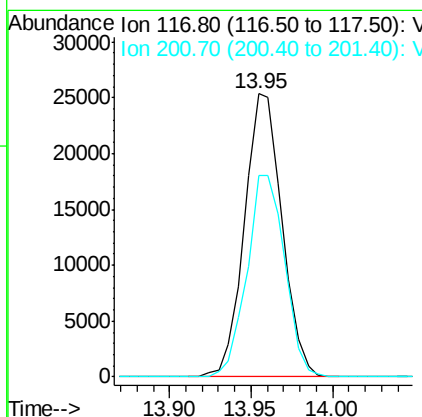
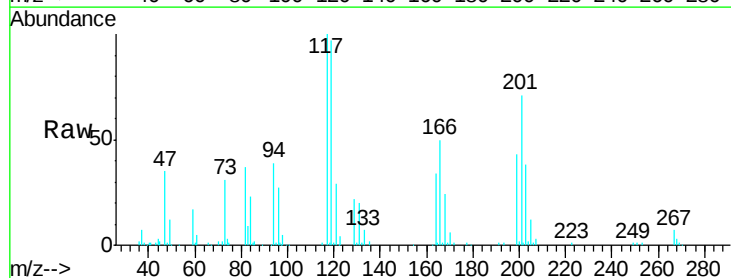
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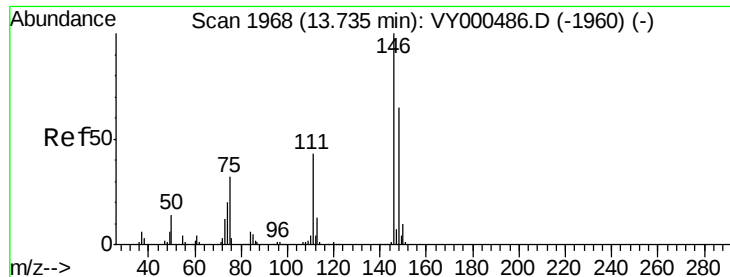
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#90
Hexachloroethane
Concen: 19.539 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40602		
201	71.8	35.8	107.3	





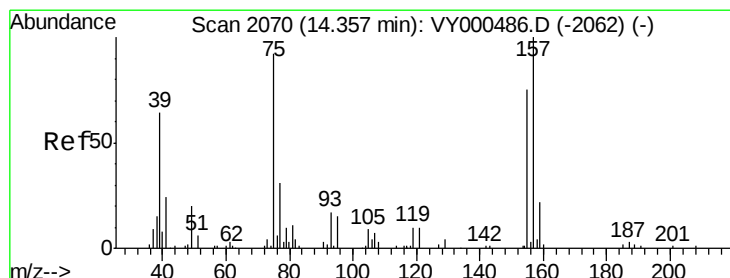
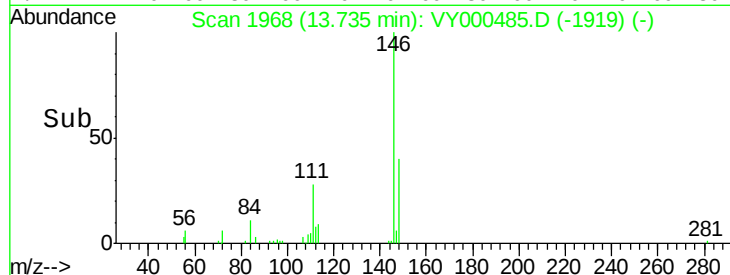
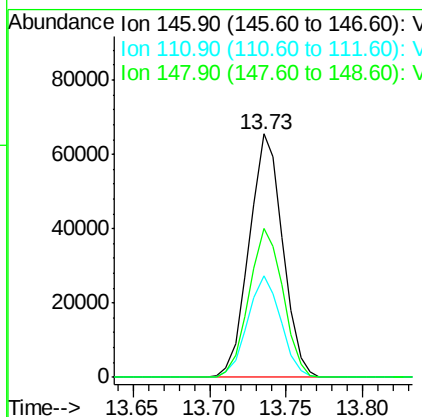
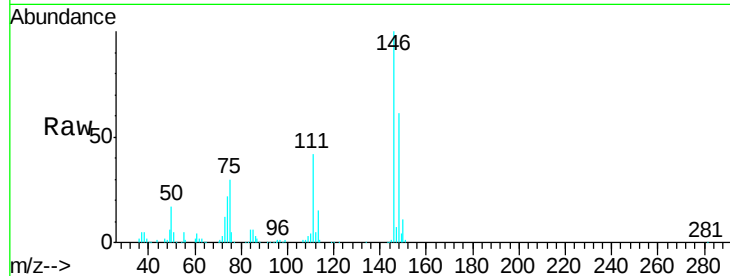
#91
 1,2-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.5
148	62.1	31.7	95.1

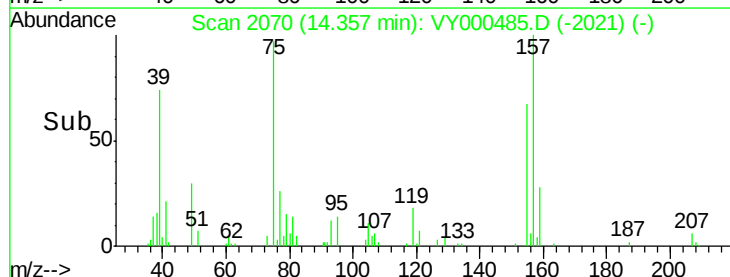
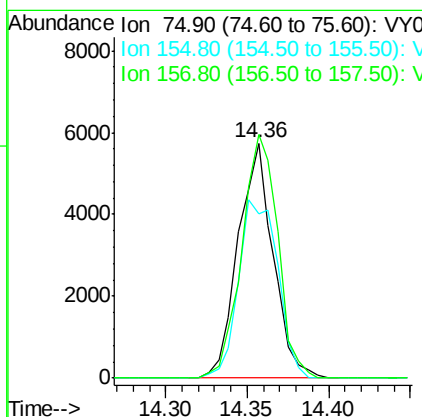
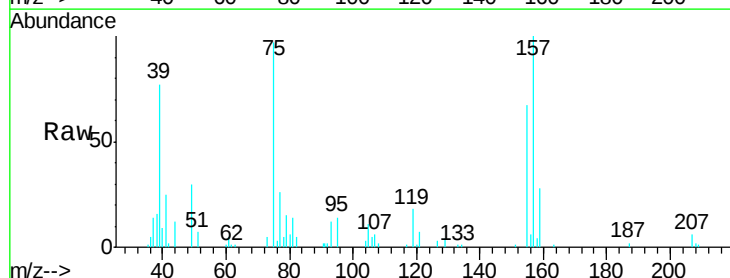
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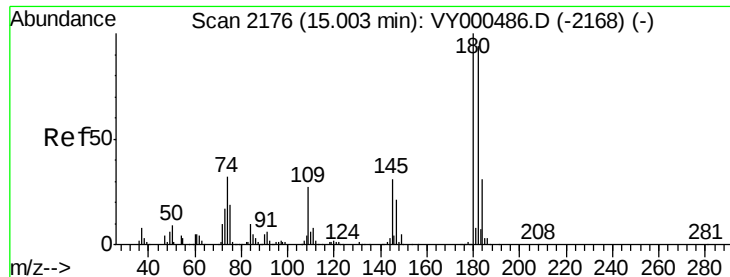
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.621 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.1
157	106.8	55.1	165.3





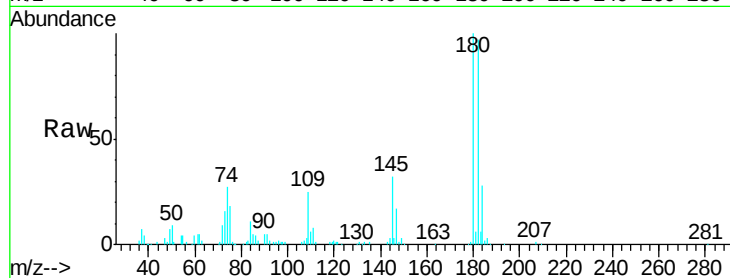
#93
 1,2,4-Trichlorobenzene
 Concen: 20.360 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.4
145	30.8	16.0	47.9

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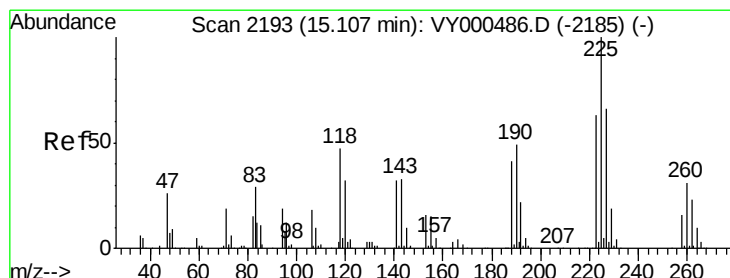
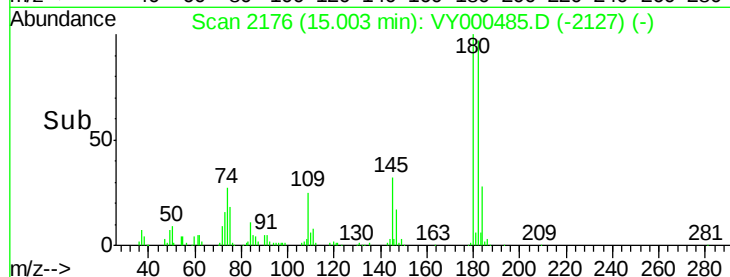
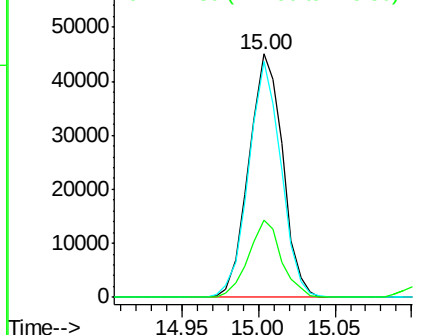


Abundance

Ion 179.80 (179.50 to 180.50): V

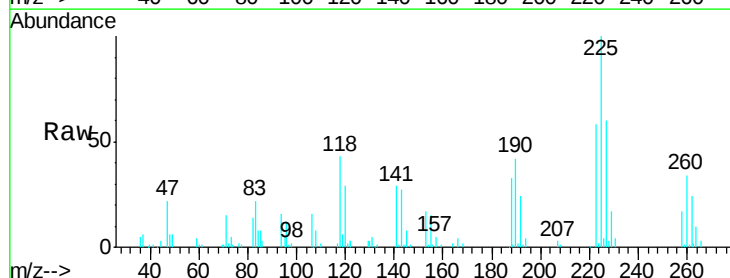
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.744 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	31.3	93.8
227	65.1	32.4	97.0

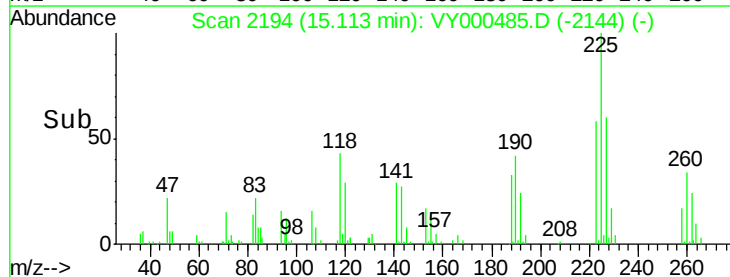
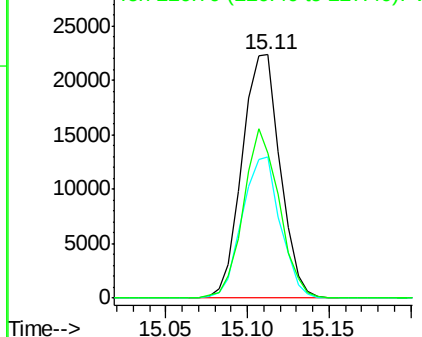


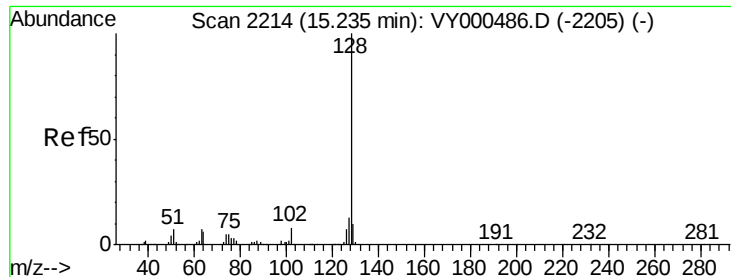
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





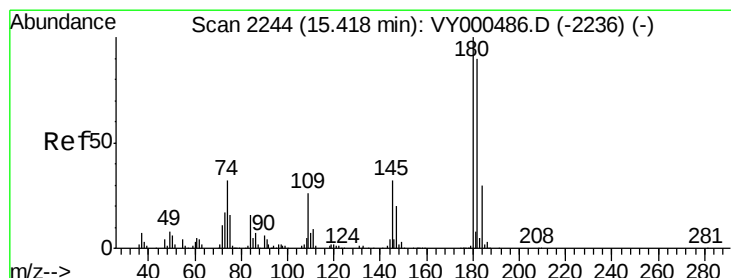
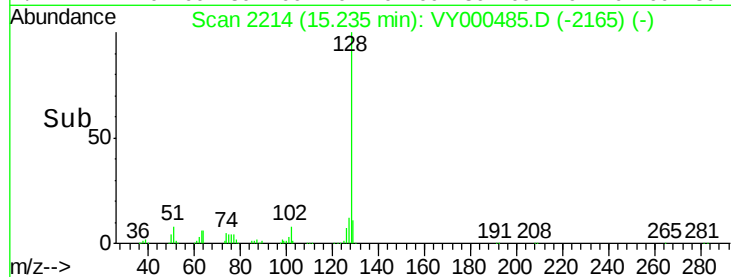
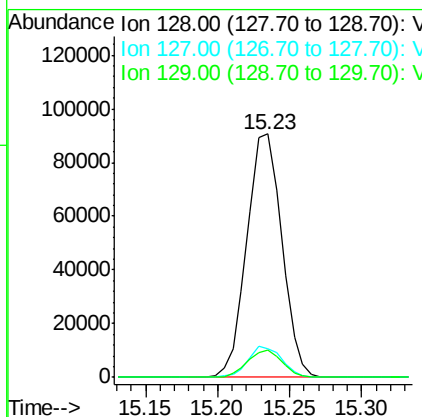
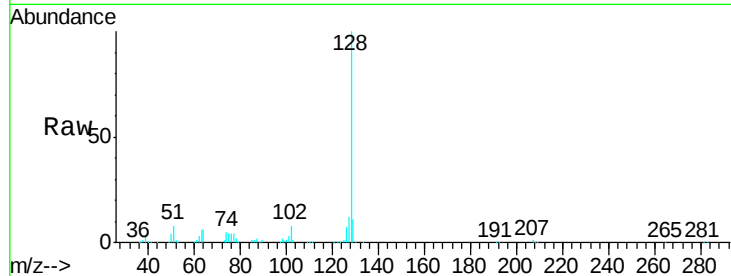
#95
Naphthalene
Concen: 20.153 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	152819		
127	12.4	9.8	14.6	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.896 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60973		
182	94.7	47.4	142.3	
145	33.0	15.7	47.0	

