

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000720.D
 Acq On : 18 Nov 2019 12:44
 Operator : SY/MD
 Sample : VY1118SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:36 PM

Quant Time: Nov 18 13:42:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	220430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	375530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	333586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	122209	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
35) Dibromofluoromethane	7.72	113	107715	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.18	98	437045	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.48	95	155003	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	41303	19.035	ug/l	98
3) Chloromethane	2.11	50	56624	18.943	ug/l	100
4) Vinyl Chloride	2.25	62	54169	19.515	ug/l	95
5) Bromomethane	2.64	94	41179	24.739	ug/l	92
6) Chloroethane	2.79	64	36744	21.150	ug/l #	88
7) Trichlorofluoromethane	3.12	101	80960	21.597	ug/l	95
8) Diethyl Ether	3.53	74	29070	21.824	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	47111	20.787	ug/l	97
10) Methyl Iodide	4.10	142	45634	17.518	ug/l	99
11) Tert butyl alcohol	4.97	59	21923	98.727	ug/l	99
12) 1,1-Dichloroethene	3.87	96	46591	21.160	ug/l	87
13) Acrolein	3.73	56	15864	82.017	ug/l	98
14) Allyl chloride	4.49	41	79368	22.168	ug/l	96
15) Acrylonitrile	5.18	53	73010	107.000	ug/l	99
16) Acetone	3.96	43	55043	87.548	ug/l	91
17) Carbon Disulfide	4.19	76	135474	19.508	ug/l	97
18) Methyl Acetate	4.48	43	39597	20.255	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	131977	21.558	ug/l	98
20) Methylene Chloride	4.72	84	55653	20.658	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	53768	21.600	ug/l	97
22) Diisopropyl ether	6.13	45	172745	22.198	ug/l	92
23) Vinyl Acetate	6.07	43	542287	110.391	ug/l	100
24) 1,1-Dichloroethane	6.02	63	92644	21.975	ug/l	97
25) 2-Butanone	7.00	43	96550	96.224	ug/l	94
26) 2,2-Dichloropropane	6.99	77	82773	21.484	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	59087	21.708	ug/l	98
28) Bromochloromethane	7.34	49	22687	14.926	ug/l	97
29) Tetrahydrofuran	7.35	42	64048	104.341	ug/l	100
30) Chloroform	7.52	83	95961	22.501	ug/l	96
31) Cyclohexane	7.78	56	91928	20.819	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	81378	21.410	ug/l	100
36) 1,1-Dichloropropene	7.92	75	74013	20.848	ug/l	100
37) Ethyl Acetate	7.08	43	44354	21.044	ug/l	100
38) Carbon Tetrachloride	7.91	117	70372	20.601	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	90507	19.734	ug/l	95
40) Benzene	8.17	78	217084	20.857	ug/l	98
41) Methacrylonitrile	7.33	41	25566m	21.744	ug/l	
42) 1,2-Dichloroethane	8.24	62	62181	21.064	ug/l	100
43) Isopropyl Acetate	8.28	43	83923	21.196	ug/l	99
44) Trichloroethene	8.94	130	57576	20.981	ug/l	95
45) 1,2-Dichloropropane	9.22	63	53018	20.697	ug/l	100
46) Dibromomethane	9.31	93	29614	21.021	ug/l	97
47) Bromodichloromethane	9.50	83	70948	21.224	ug/l	96
48) Methyl methacrylate	9.30	41	36093	20.864	ug/l	96
49) 1,4-Dioxane	9.30	88	7647	403.320	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	220670	104.828	ug/l	99
52) Toluene	10.25	92	137579	20.908	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	74647	20.899	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	87340	21.345	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	41633	20.432	ug/l	94
56) Ethyl methacrylate	10.51	69	60457	20.934	ug/l	98
57) 1,3-Dichloropropane	10.79	76	74758	20.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	134451	102.977	ug/l	99
59) 2-Hexanone	10.83	43	150592	98.186	ug/l	98
60) Dibromochloromethane	10.99	129	47103	20.182	ug/l	99
61) 1,2-Dibromoethane	11.09	107	40978	20.916	ug/l	98
64) Tetrachloroethene	10.72	164	57399	20.809	ug/l	95
65) Chlorobenzene	11.52	112	143200	21.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	47189	20.118	ug/l	96
67) Ethyl Benzene	11.59	91	264354	21.237	ug/l	100
68) m/p-Xylenes	11.70	106	201171	41.757	ug/l	97
69) o-Xylene	12.03	106	94859	20.950	ug/l	100
70) Styrene	12.04	104	159254	20.540	ug/l	99
71) Bromoform	12.20	173	28278	20.960	ug/l #	96
73) Isopropylbenzene	12.33	105	252117	20.487	ug/l	100
74) N-amyl acetate	12.14	43	72501	20.570	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	50921	20.898	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	36791m	19.405	ug/l	
77) Bromobenzene	12.61	156	56484	20.240	ug/l	96
78) n-propylbenzene	12.67	91	312044	21.015	ug/l	100
79) 2-Chlorotoluene	12.75	91	173295	21.022	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	212440	20.727	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	17198	20.338	ug/l	94
82) 4-Chlorotoluene	12.85	91	176626	20.670	ug/l	98
83) tert-Butylbenzene	13.07	119	186234	21.281	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	217468	21.310	ug/l	100
85) sec-Butylbenzene	13.25	105	262891	21.085	ug/l	100
86) p-Isopropyltoluene	13.37	119	233794	21.039	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	114168	20.886	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	112867	20.663	ug/l	99
89) n-Butylbenzene	13.69	91	231491	21.121	ug/l	99
90) Hexachloroethane	13.95	117	42380	20.630	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	102583	20.684	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8432	19.553	ug/l	99

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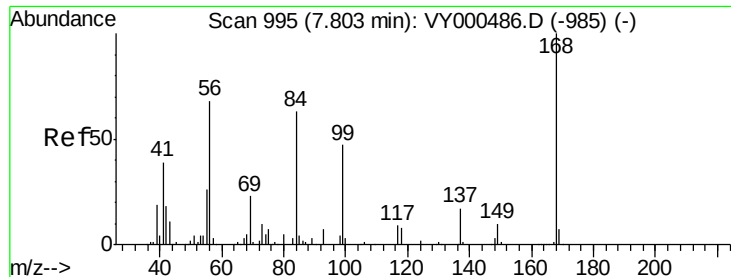
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	69684	20.635	ug/l	98
94) Hexachlorobutadiene	15.11	225	35411	20.343	ug/l	97
95) Naphthalene	15.23	128	155235	20.708	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	65126	21.496	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:168 Resp: 220430

Ion Ratio Lower Upper

168 100

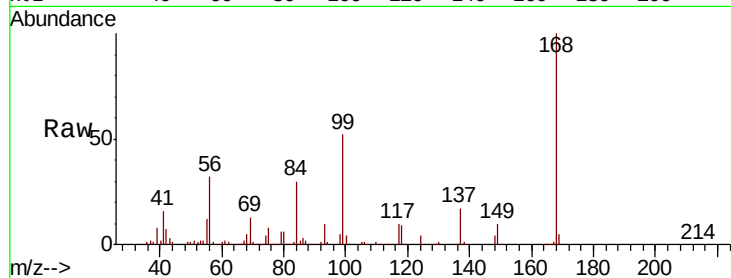
99 52.4 45.7 68.5

Manual Integrations

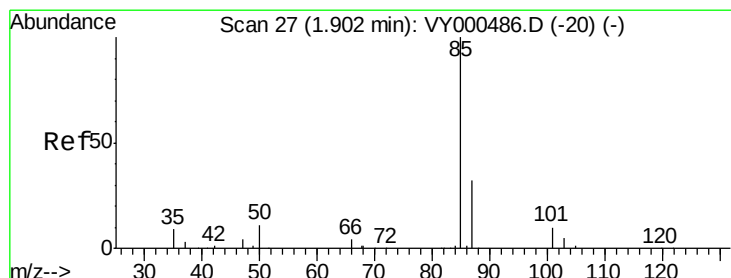
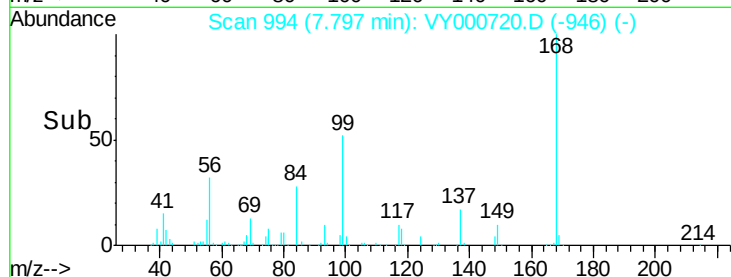
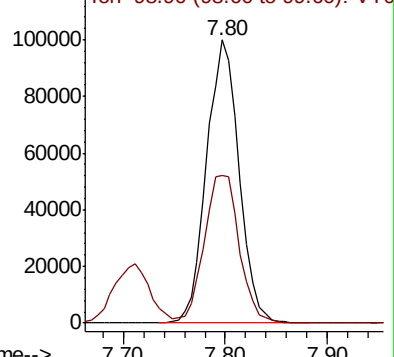
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Abundance Ion 167.90 (167.60 to 168.60): VY000720.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 19.035 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000720.D

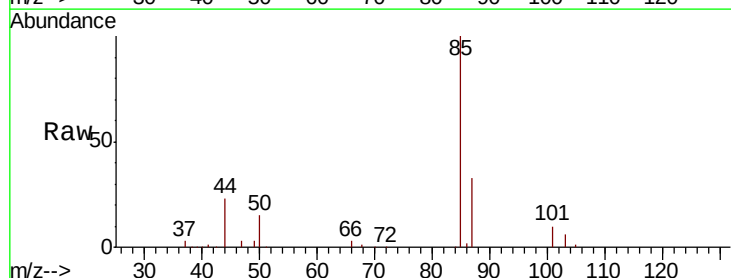
Acq: 18 Nov 2019 12:44

Tgt Ion: 85 Resp: 41303

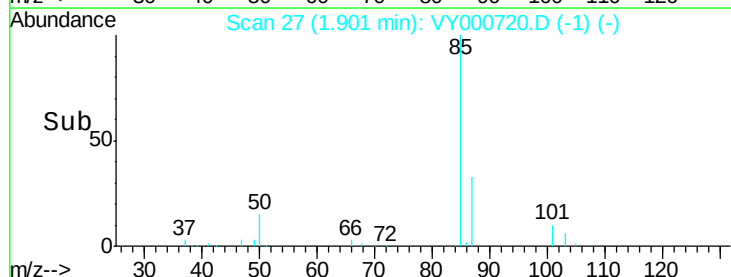
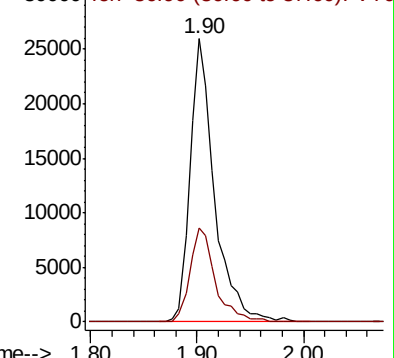
Ion Ratio Lower Upper

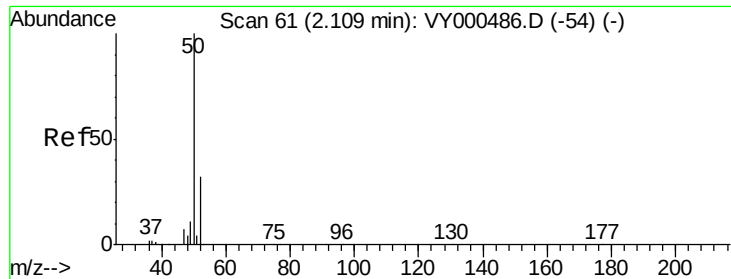
85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000720.D (-1) (-)





#3

Chloromethane

Concen: 18.943 ug/l

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 50 Resp: 56624

Ion Ratio Lower Upper

50 100

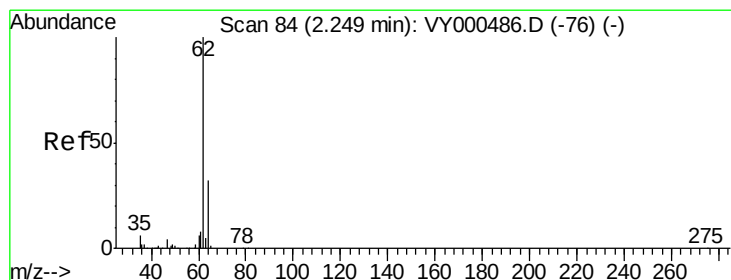
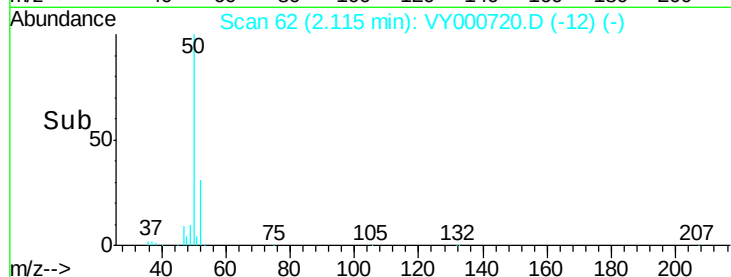
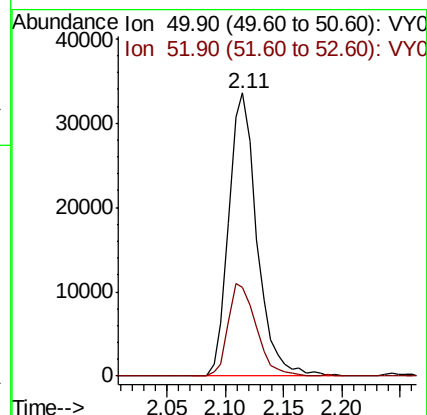
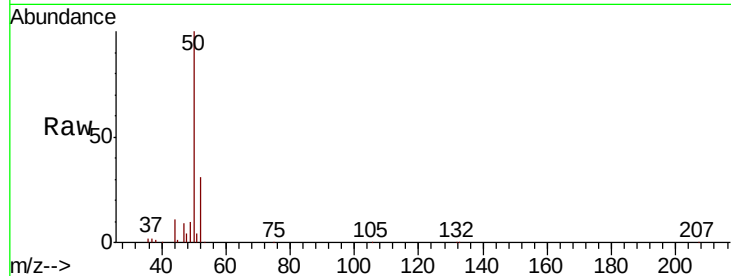
52 31.3 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.515 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000720.D

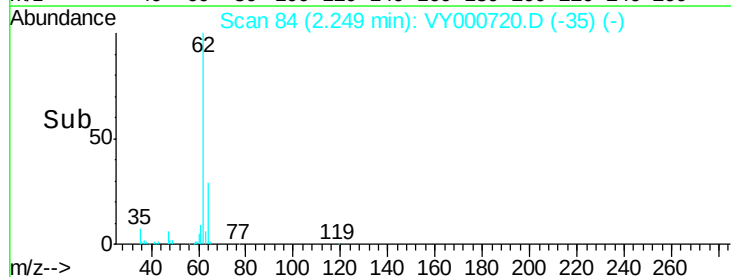
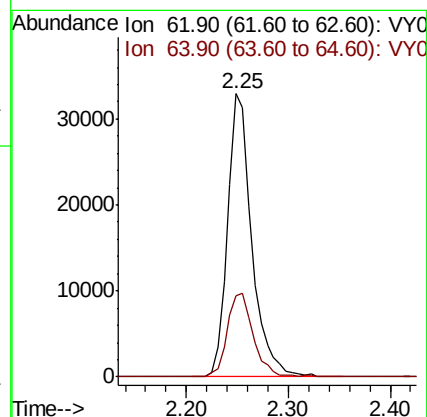
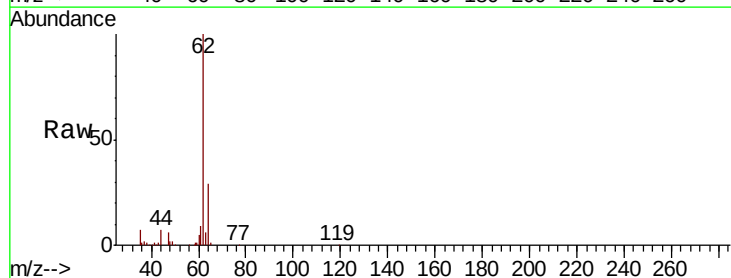
Acq: 18 Nov 2019 12:44

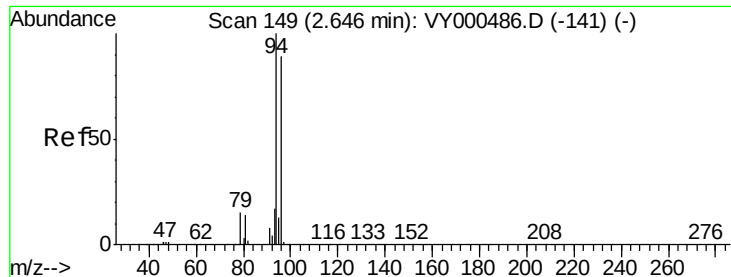
Tgt Ion: 62 Resp: 54169

Ion Ratio Lower Upper

62 100

64 28.8 25.2 37.8





#5

Bromomethane

Concen: 24.739 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 94 Resp: 41179

Ion Ratio Lower Upper

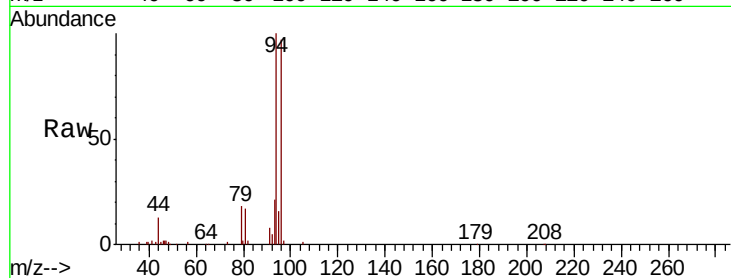
94 100

96 96.9 71.2 106.8

Manual Integrations
APPROVED

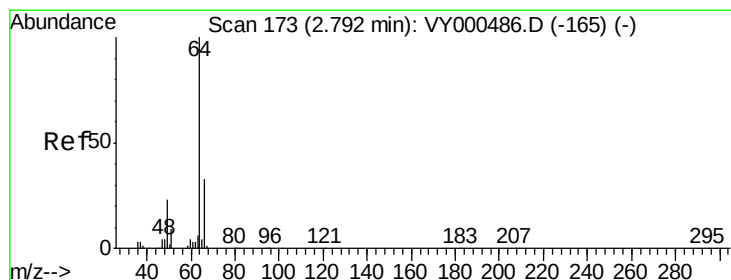
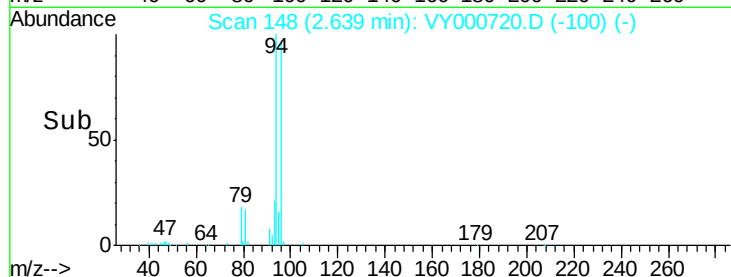
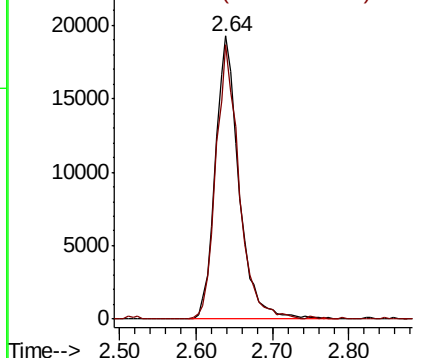
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.150 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000720.D

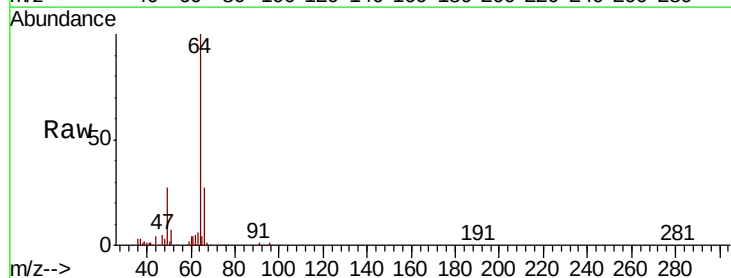
Acq: 18 Nov 2019 12:44

Tgt Ion: 64 Resp: 36744

Ion Ratio Lower Upper

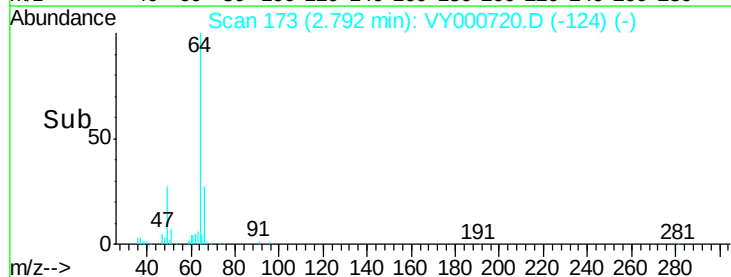
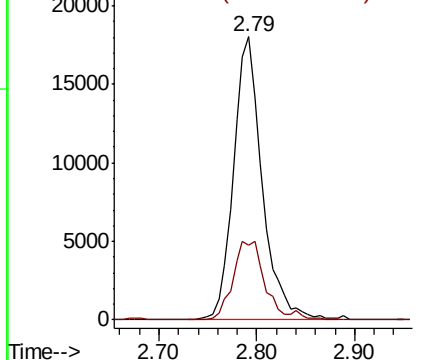
64 100

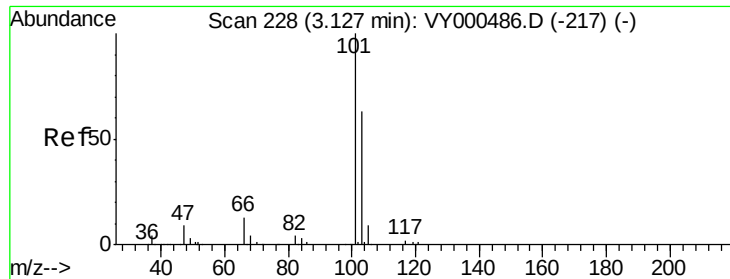
66 26.5 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

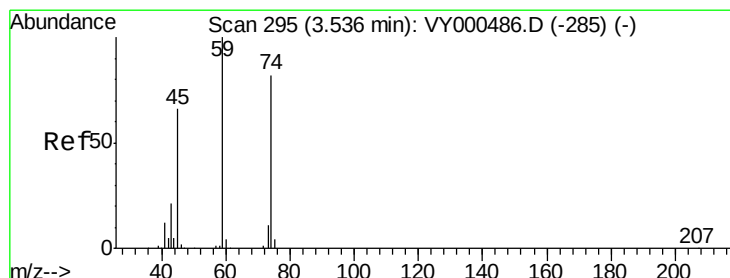
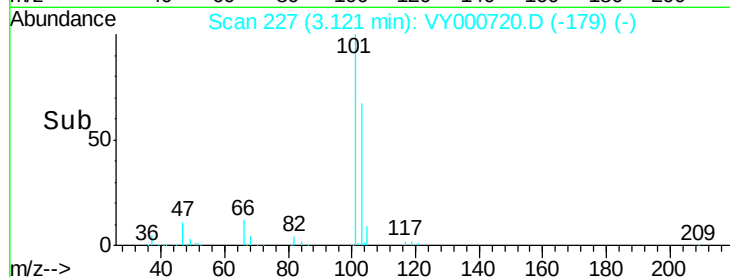
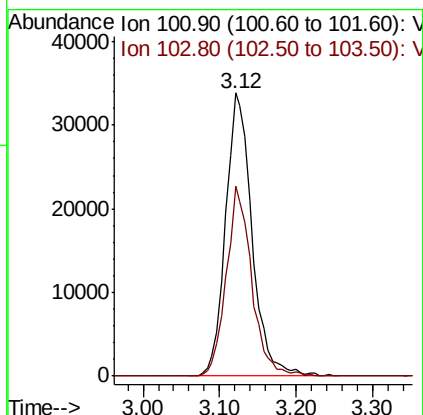
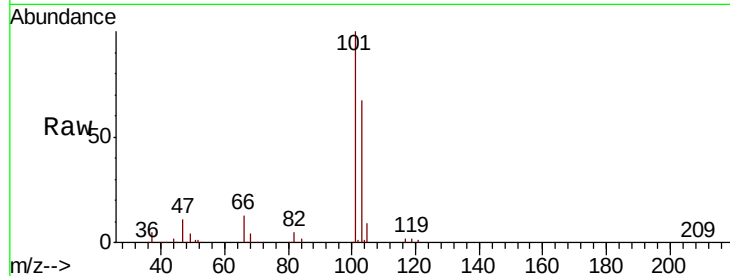
Trichlorofluoromethane
Concen: 21.597 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

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VY1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.5	75.7

Manual Integrations
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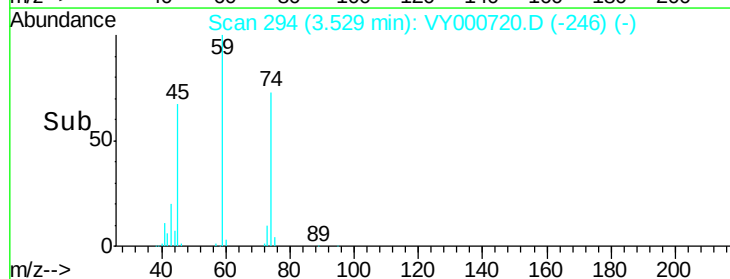
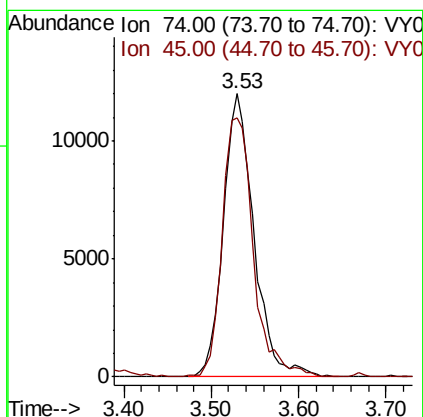
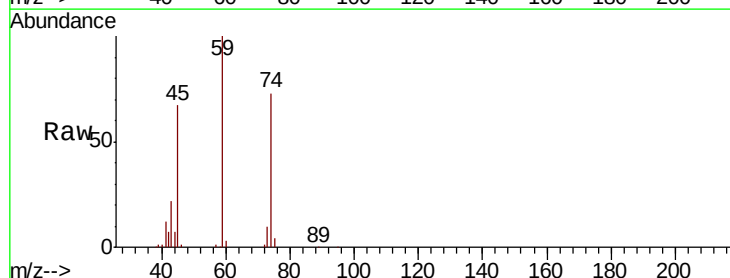
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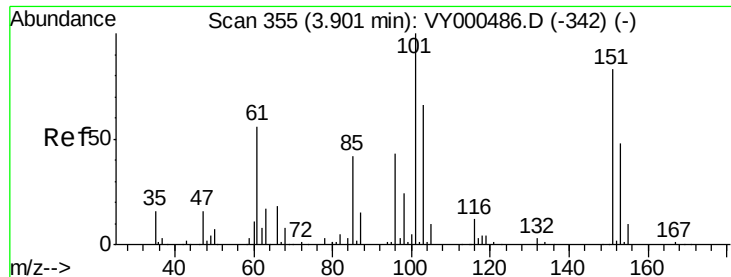


#8

Diethyl Ether
Concen: 21.824 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.787 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

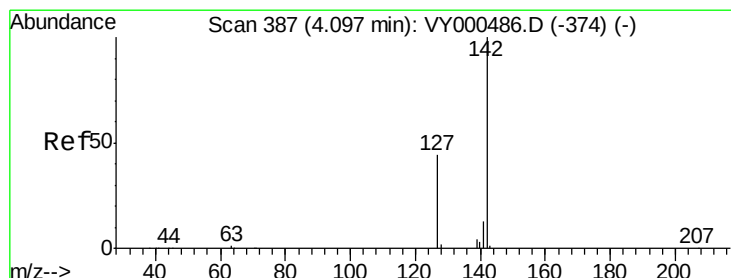
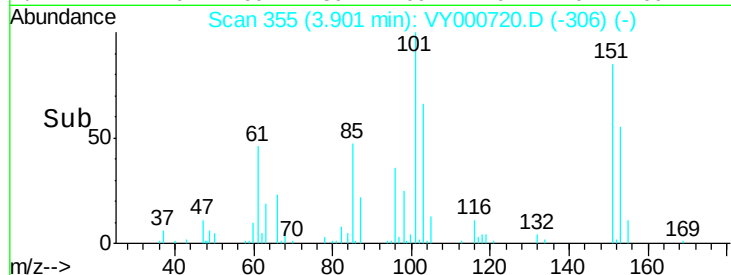
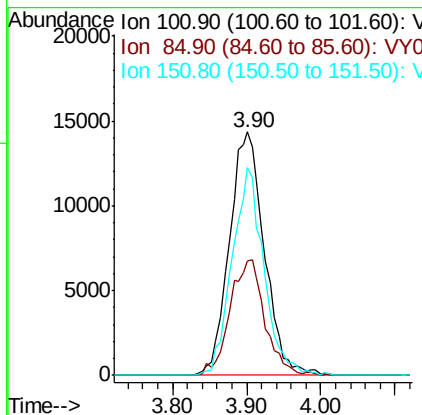
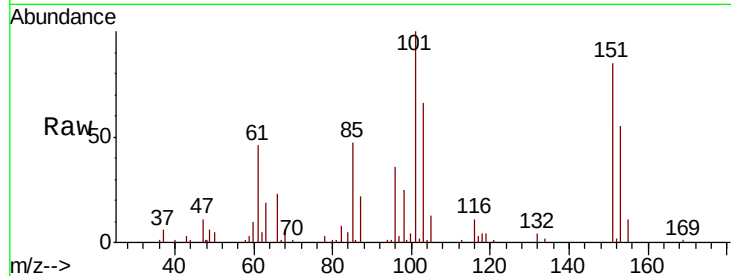
ClientSampleId :

VY1118SBS01

Tot Ion:	101	Resp:	47111
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.7	55.1
151	77.5	64.3	96.5

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#10

Methyl Iodide

Concen: 17.518 ug/l

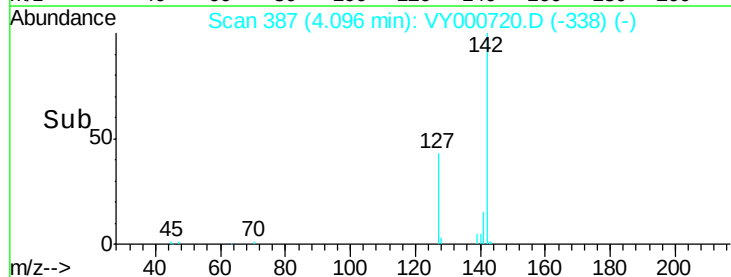
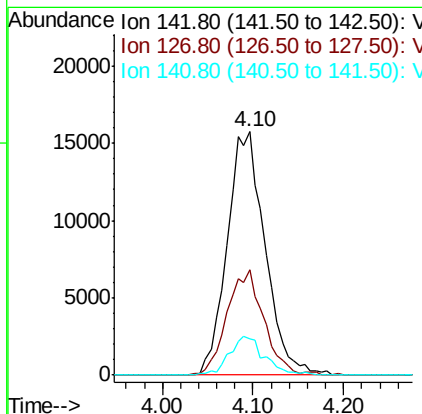
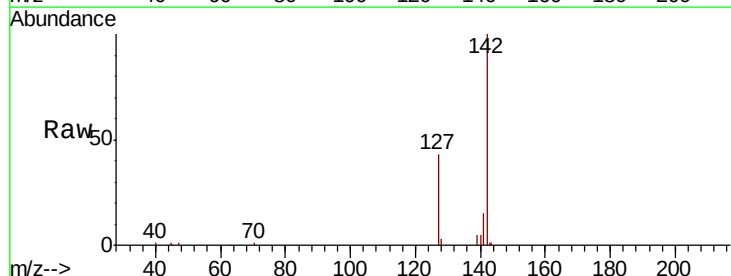
RT: 4.10 min Scan# 387

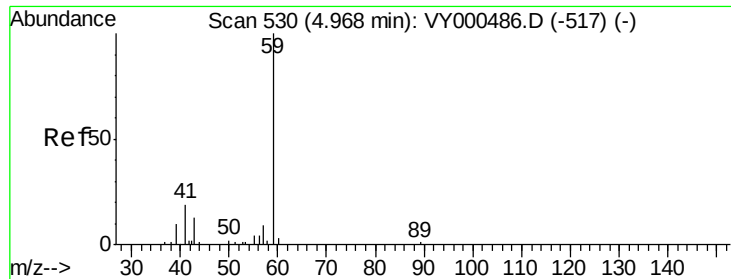
Delta R.T. 0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	142	Resp:	45634
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.6	10.9	16.3





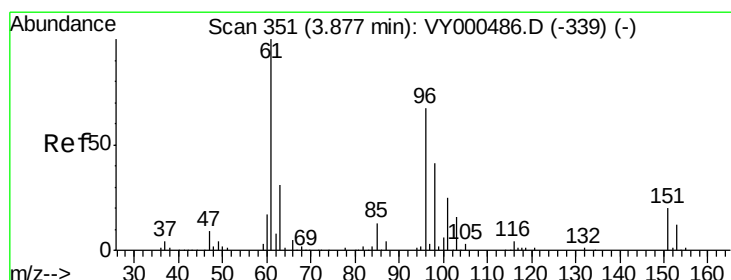
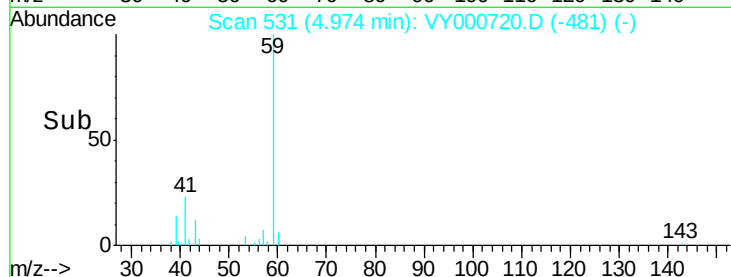
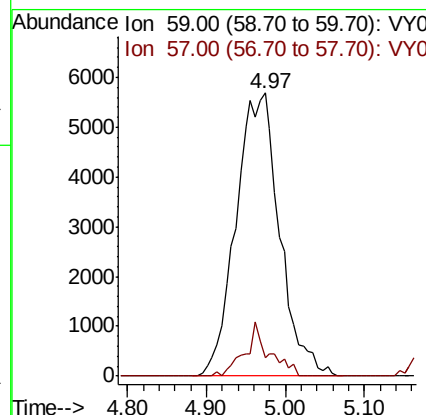
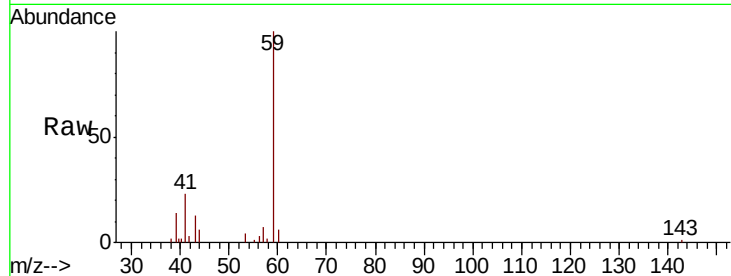
#11
Tert butyl alcohol
Concen: 98.727 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

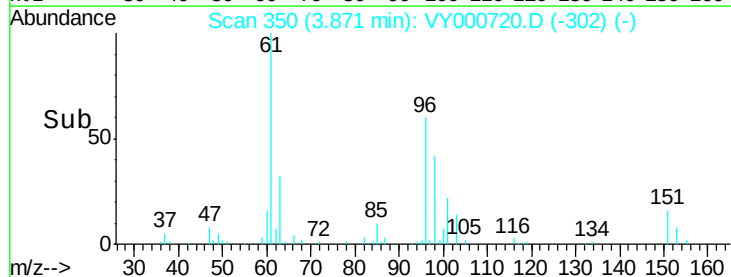
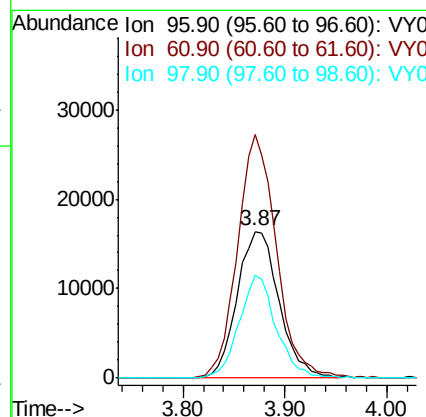
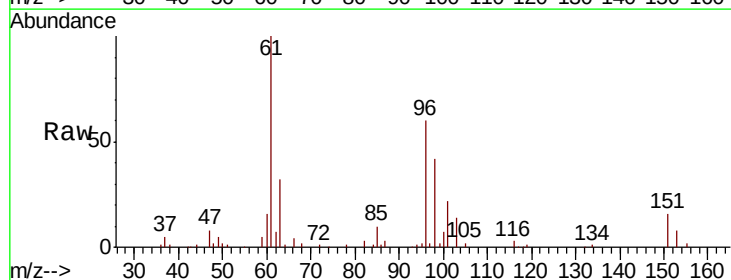
Manual Integrations
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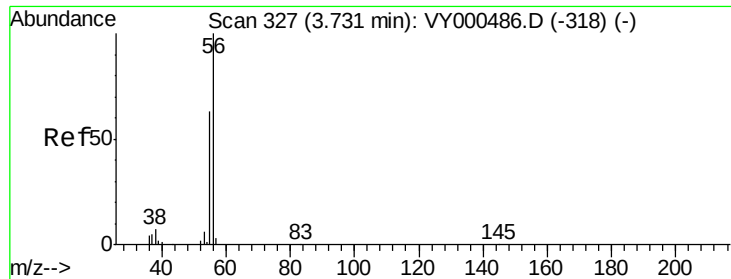
MMDADODA
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#12
1,1-Dichloroethene
Concen: 21.160 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	119.2	178.8
98	70.1	48.6	73.0





#13

Acrolein

Concen: 82.017 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 56 Resp: 15864

Ion Ratio Lower Upper

56 100

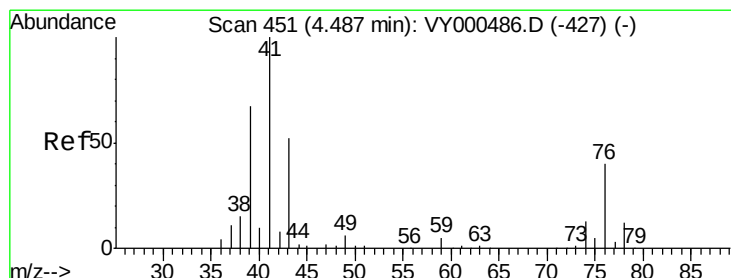
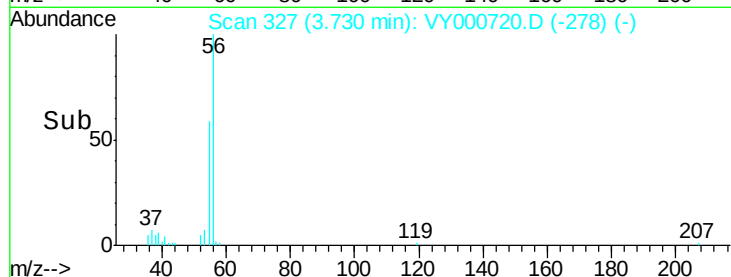
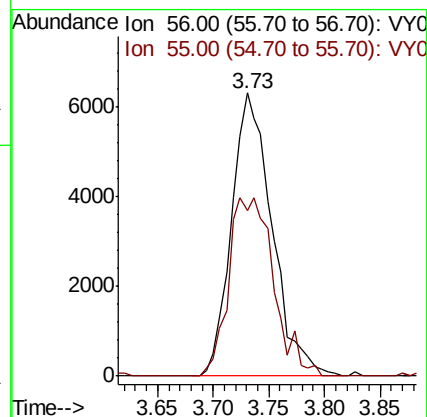
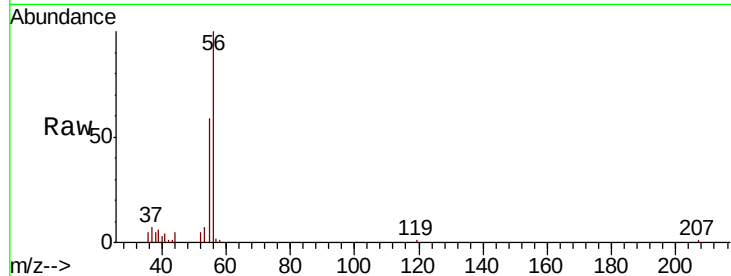
55 69.9 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 22.168 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

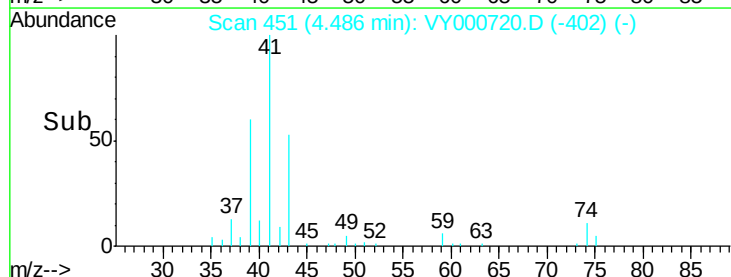
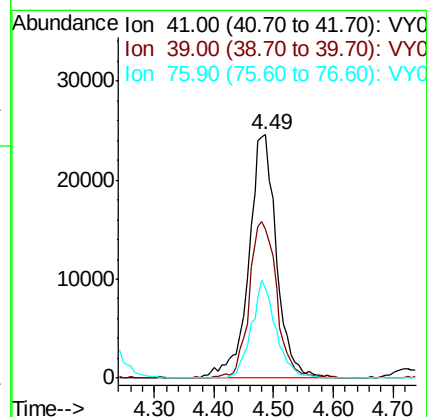
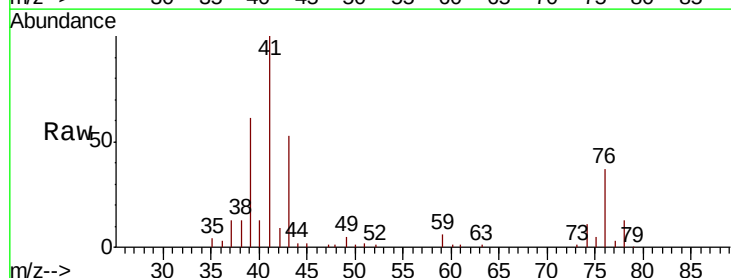
Tgt Ion: 41 Resp: 79368

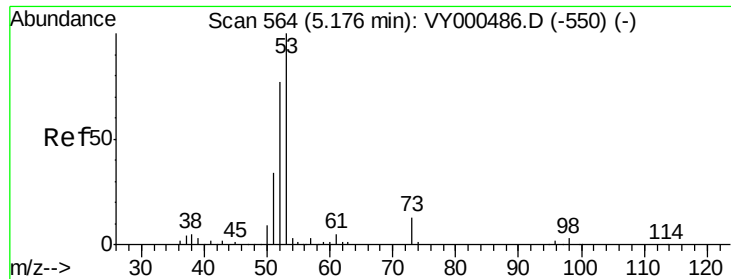
Ion Ratio Lower Upper

41 100

39 63.8 53.6 80.4

76 35.3 29.8 44.6





#15

Acrylonitrile

Concen: 107.000 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

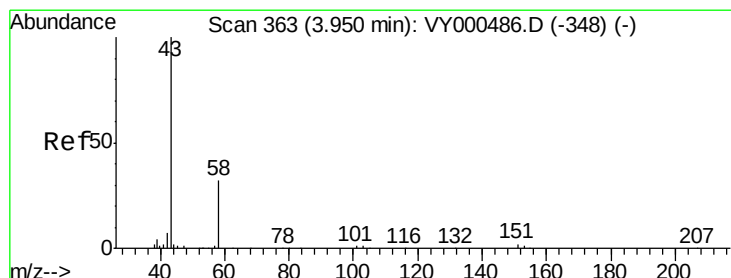
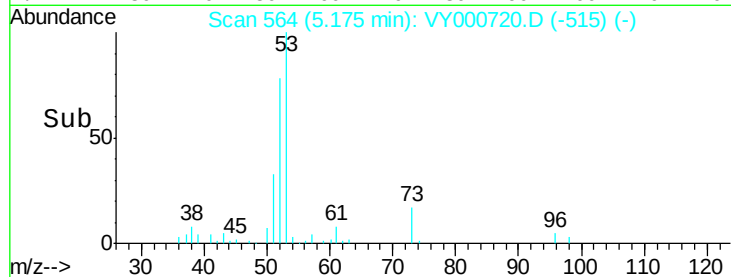
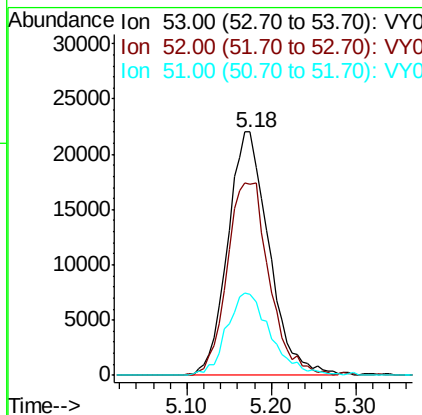
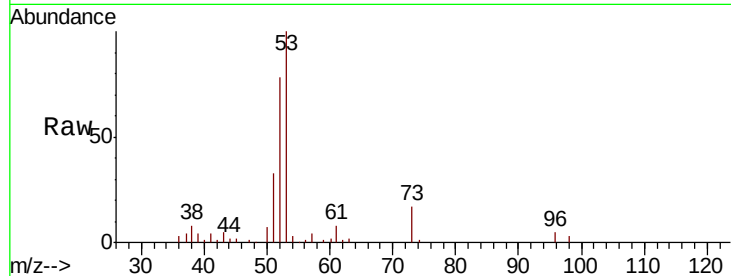
ClientSampleId :

VY1118SBS01

Tot Ion:	53	Resp:	73010
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.9	97.3
51	36.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 87.548 ug/l

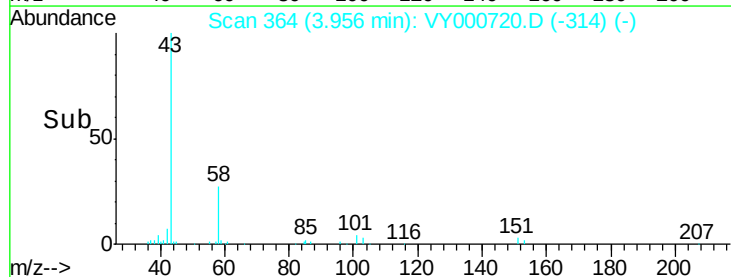
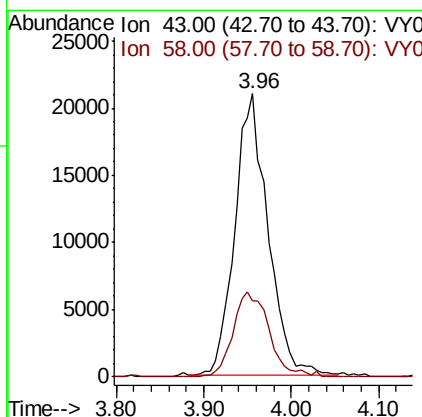
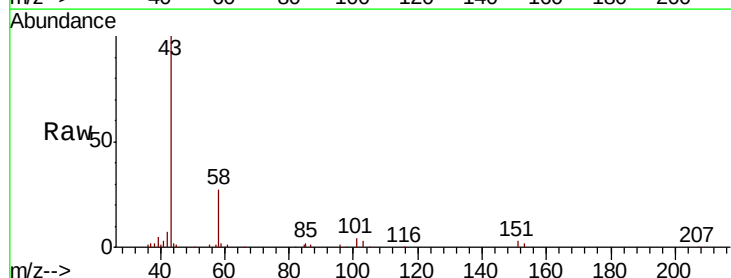
RT: 3.96 min Scan# 364

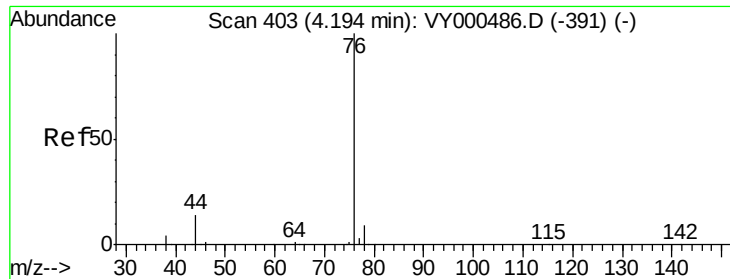
Delta R.T. 0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	43	Resp:	55043
Ion	Ratio	Lower	Upper
43	100		
58	27.3	25.8	38.6





#17

Carbon Disulfide

Concen: 19.508 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 76 Resp: 135474

Ion Ratio Lower Upper

76 100

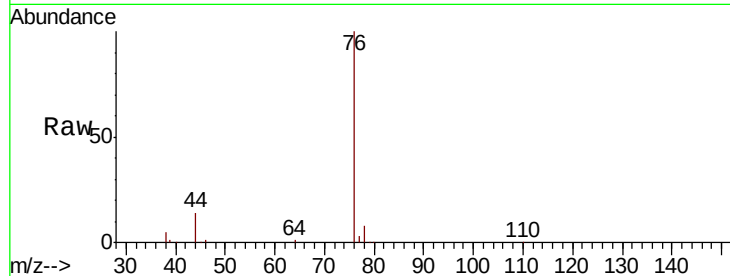
78 8.4 7.5 11.3

Manual Integrations

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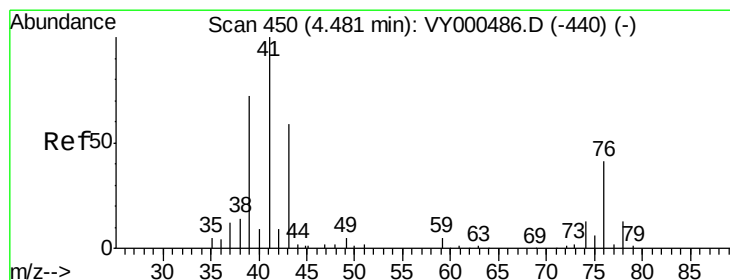
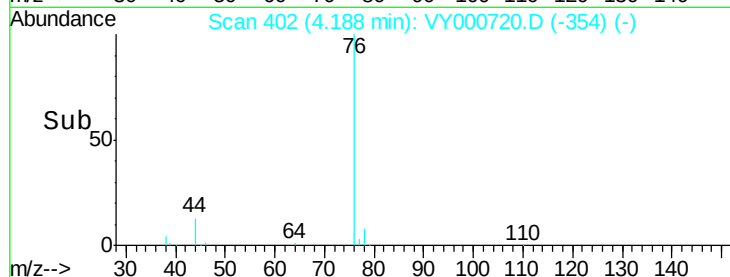
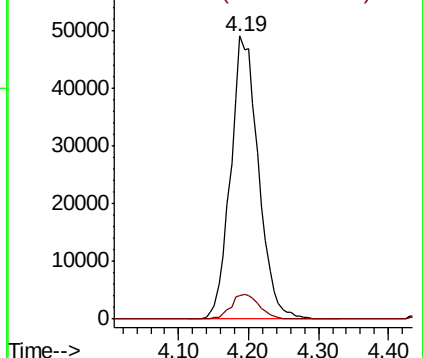
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.255 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000720.D

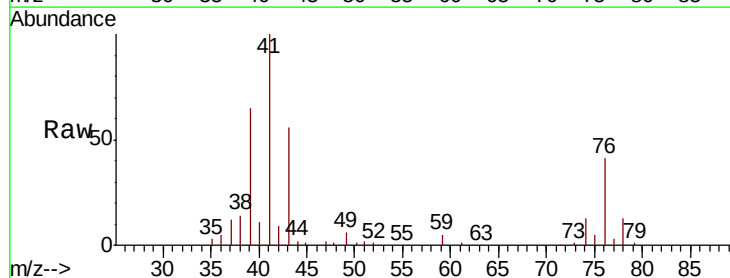
Acq: 18 Nov 2019 12:44

Tgt Ion: 43 Resp: 39597

Ion Ratio Lower Upper

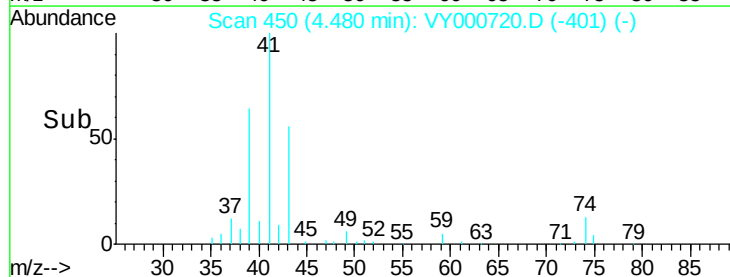
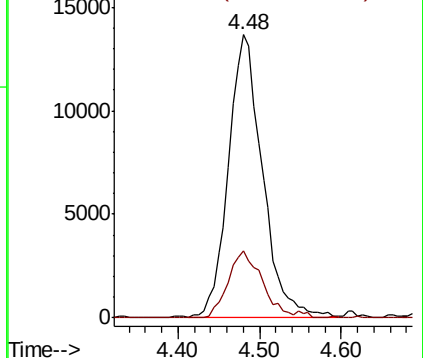
43 100

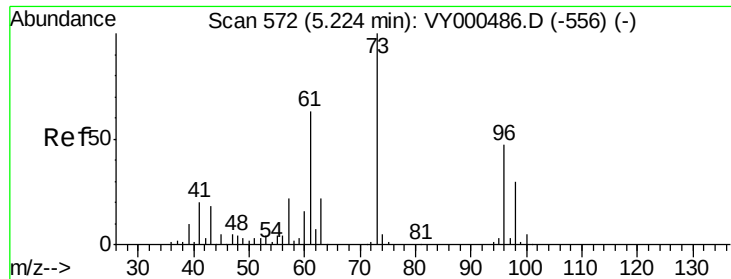
74 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





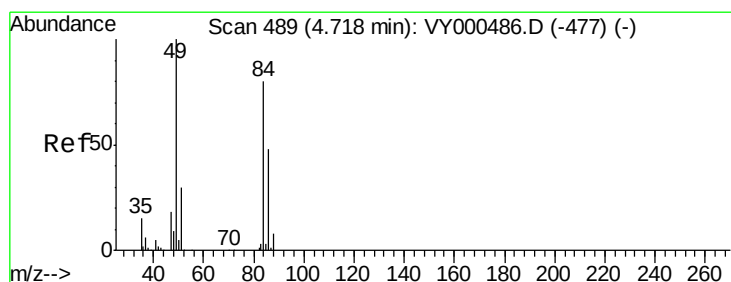
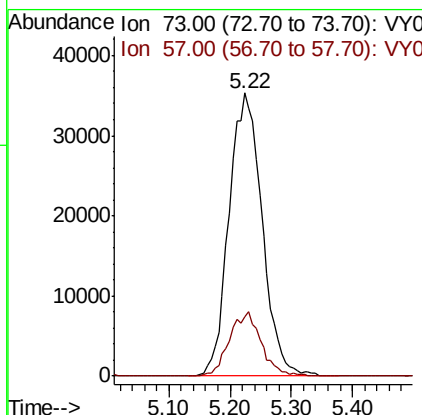
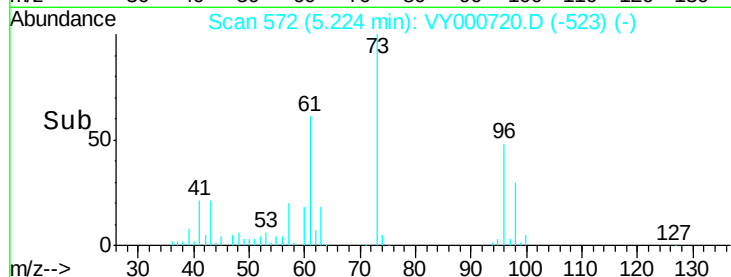
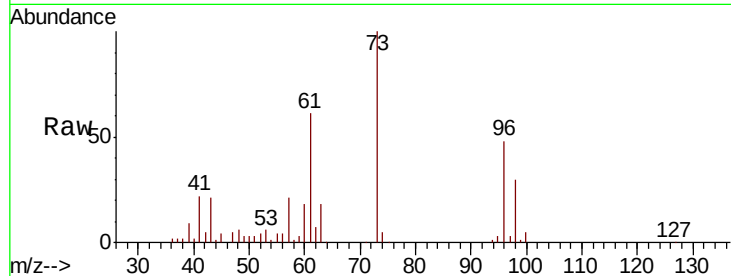
#19
Methyl tert-butyl Ether
Concen: 21.558 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 73 Resp: 131977
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

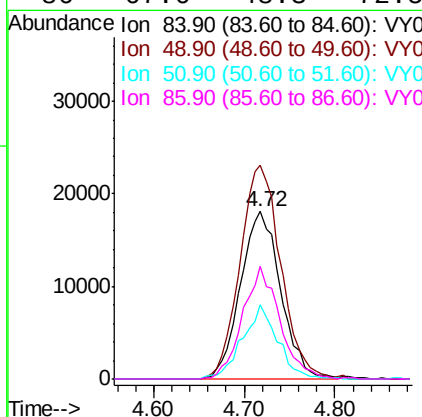
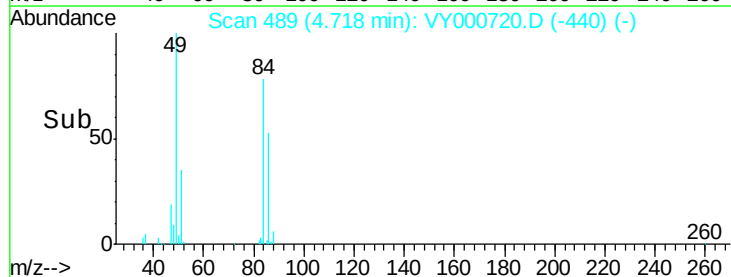
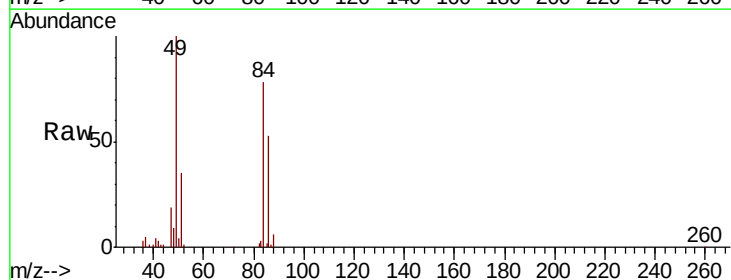
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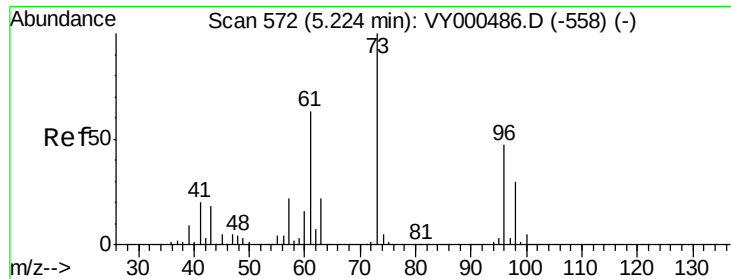
MMDADODA
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#20
Methylene Chloride
Concen: 20.658 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion: 84 Resp: 55653
Ion Ratio Lower Upper
84 100
49 127.8 100.2 150.4
51 44.3 29.6 44.4
86 67.6 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 21.600 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 96 Resp: 53768

Ion Ratio Lower Upper

96 100

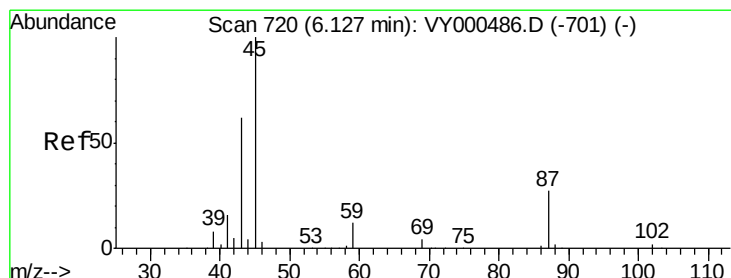
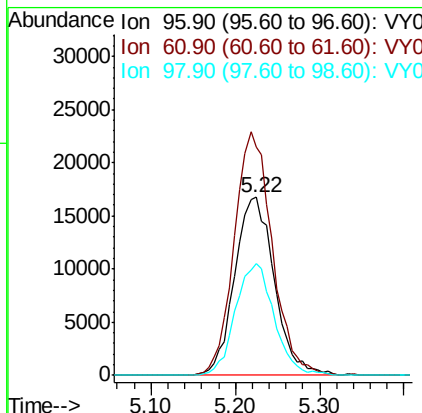
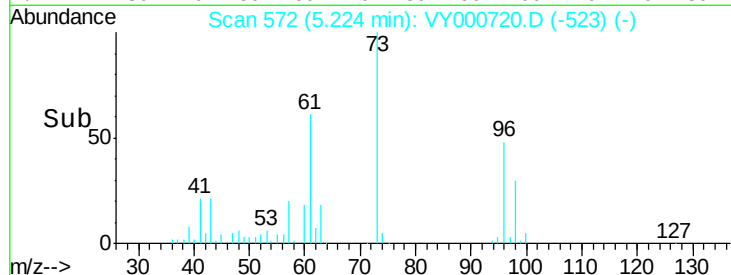
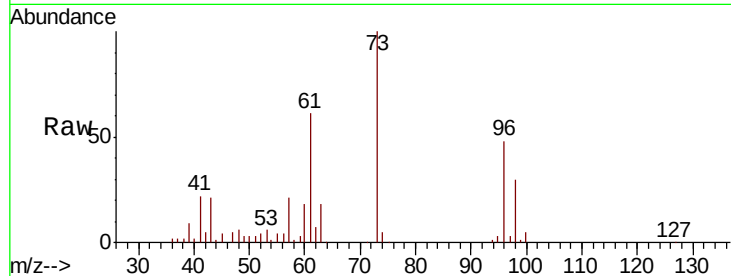
61 128.3 106.6 160.0

98 62.6 50.6 76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.198 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion: 45 Resp: 172745

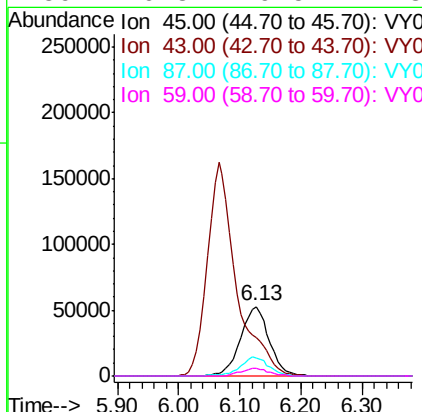
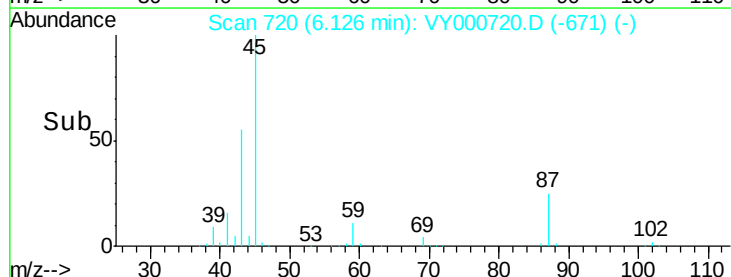
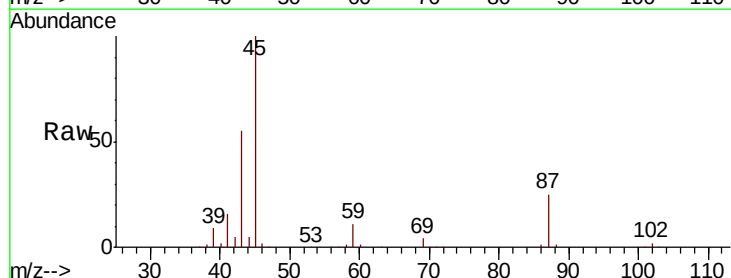
Ion Ratio Lower Upper

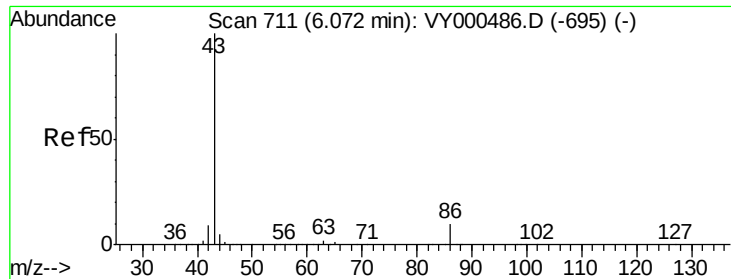
45 100

43 54.0 50.0 75.0

87 25.2 21.6 32.4

59 10.8 9.5 14.3





#23

Vinyl Acetate

Concen: 110.391 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 43 Resp: 542287

Ion Ratio Lower Upper

43 100

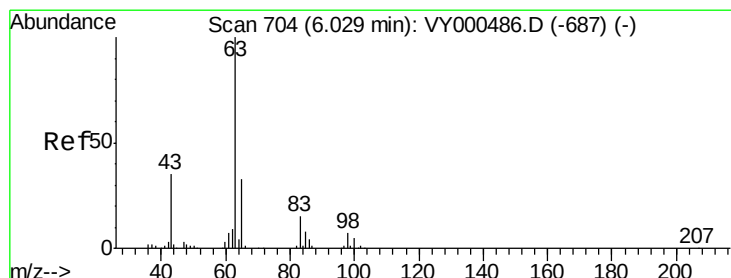
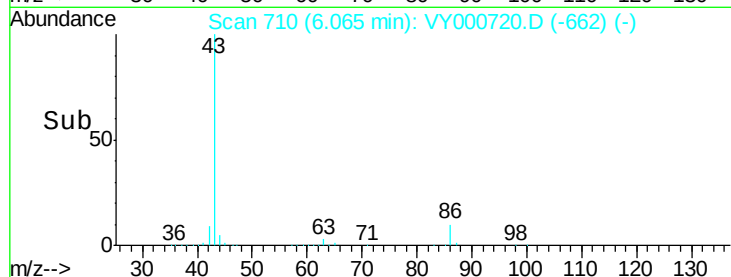
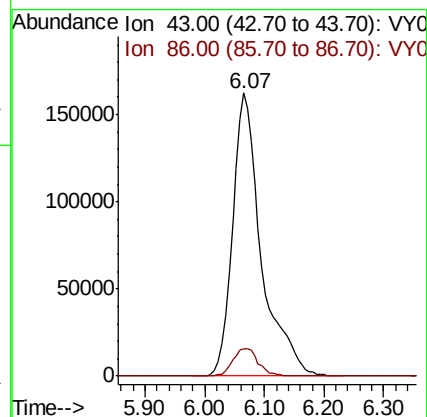
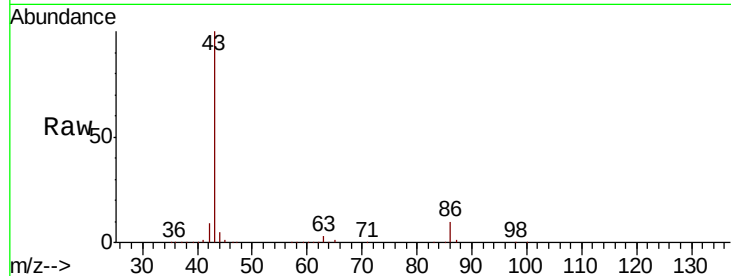
86 9.6 7.8 11.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.975 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

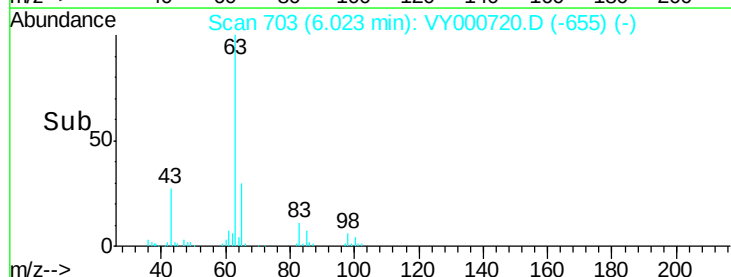
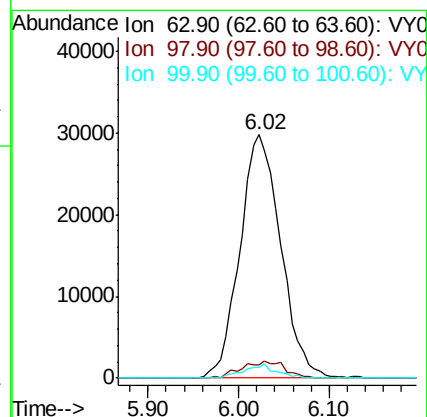
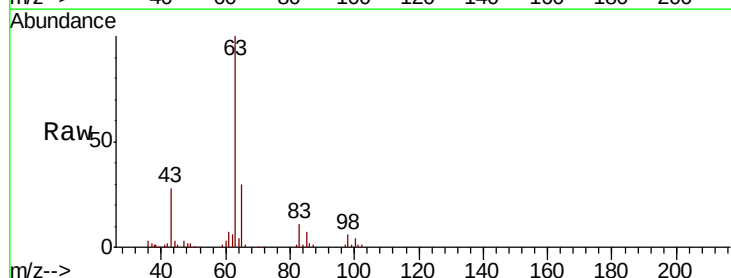
Tgt Ion: 63 Resp: 92644

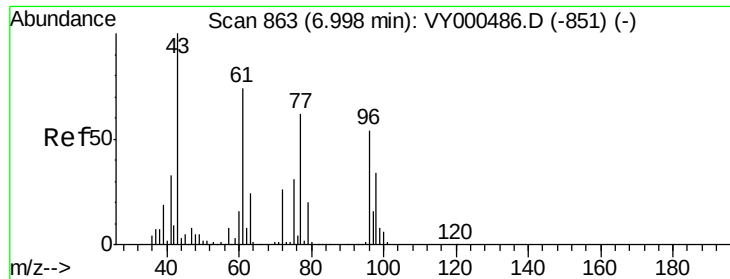
Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.6

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 96.224 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 43 Resp: 96550

Ion Ratio Lower Upper

43 100

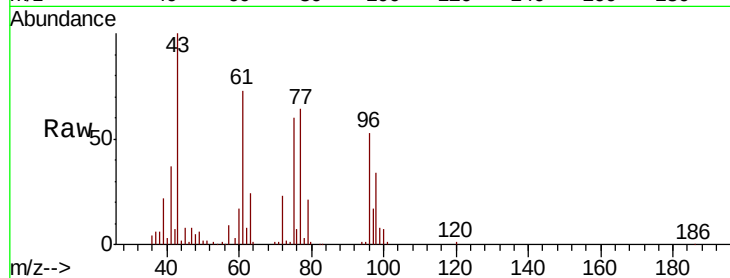
72 23.1 20.9 31.3

Manual Integrations

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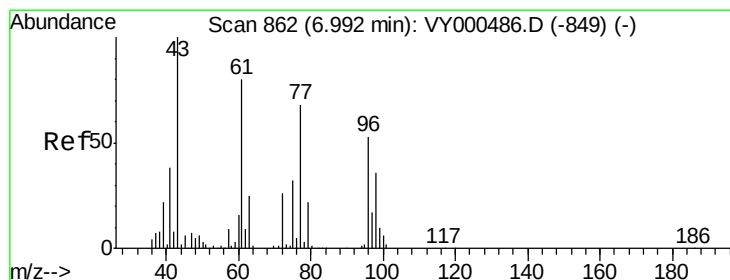
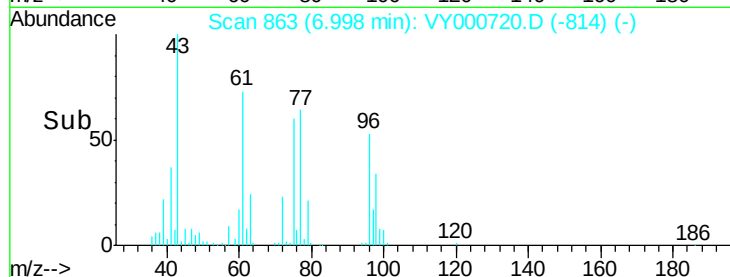
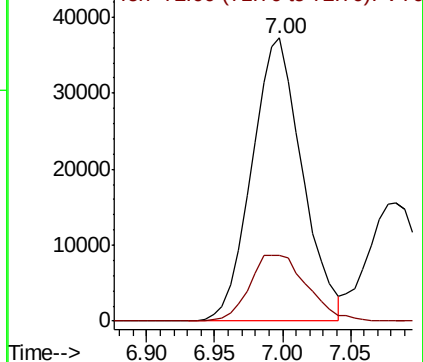
MMDADODA

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 21.484 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000720.D

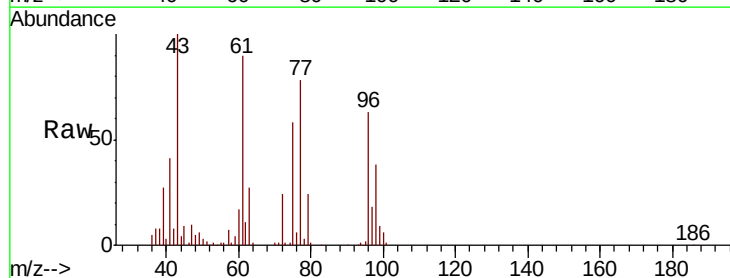
Acq: 18 Nov 2019 12:44

Tgt Ion: 77 Resp: 82773

Ion Ratio Lower Upper

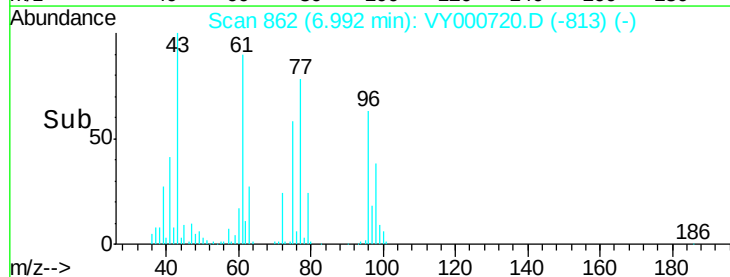
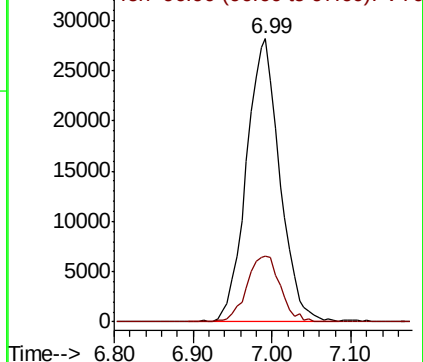
77 100

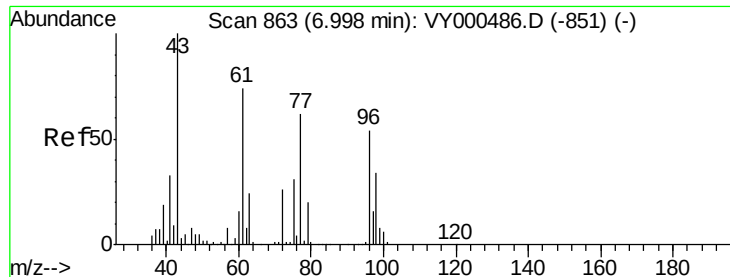
97 23.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

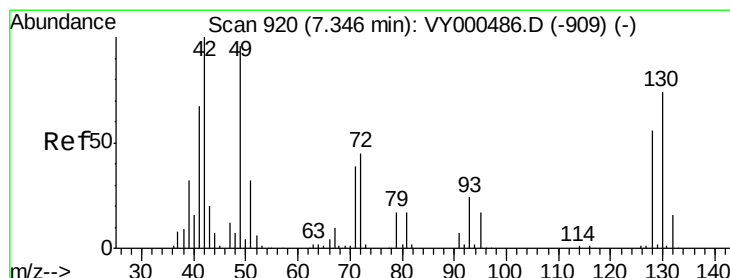
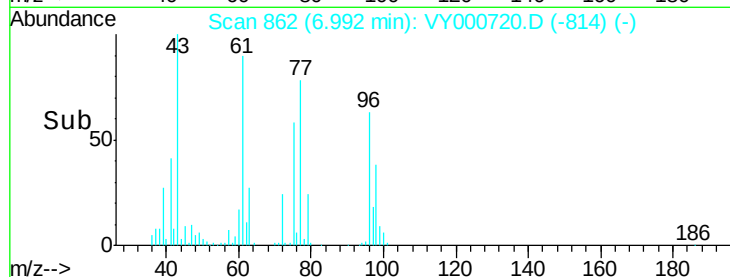
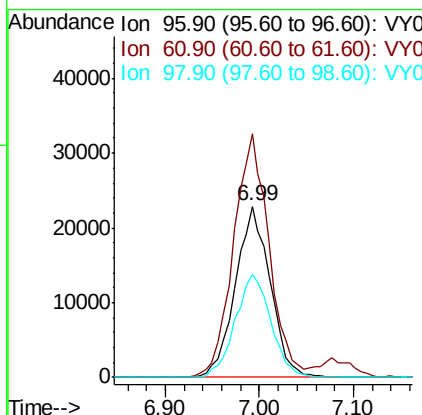
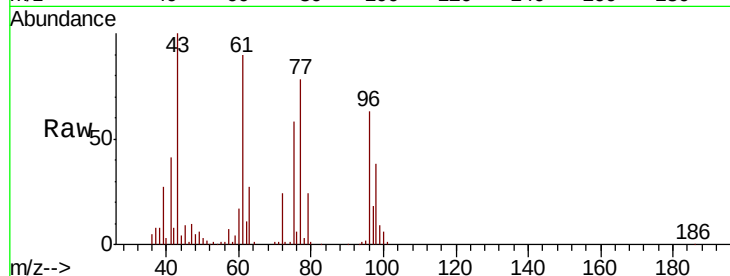
cis-1,2-Dichloroethene
Concen: 21.708 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	287.0
98	61.7	0.0	129.4

Manual Integrations
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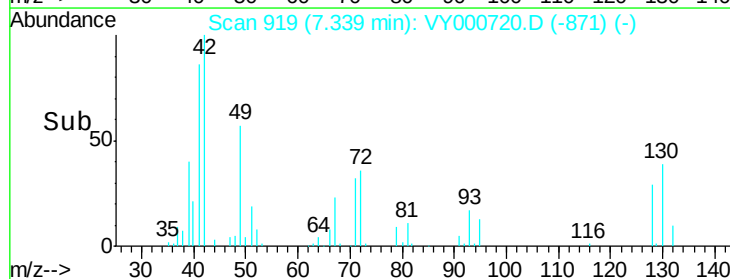
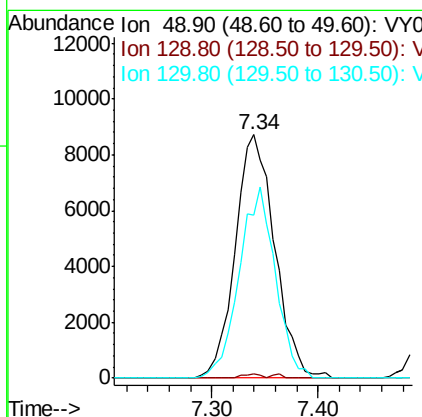
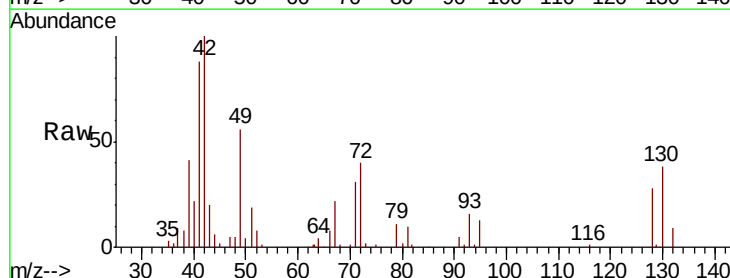
MMDADODA
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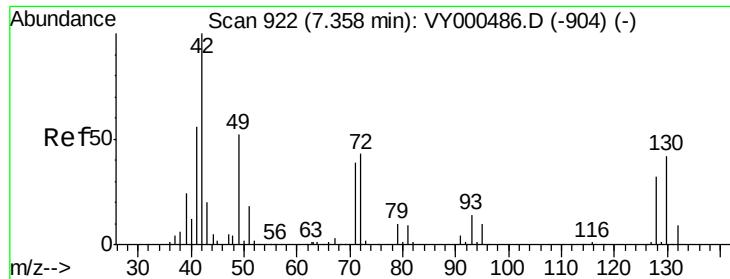


#28

Bromochloromethane
Concen: 14.926 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	71.9	59.4	89.0





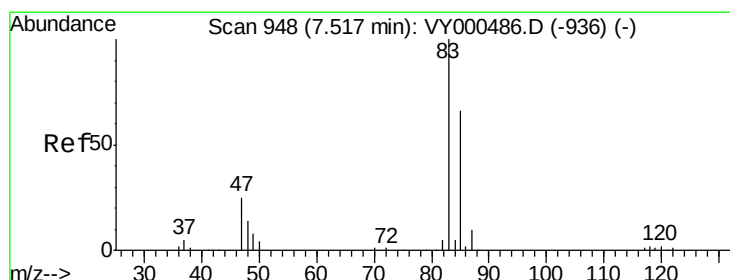
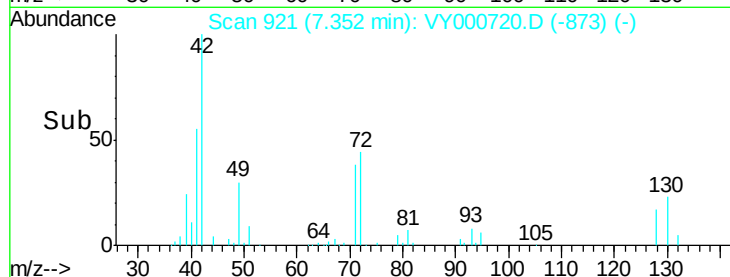
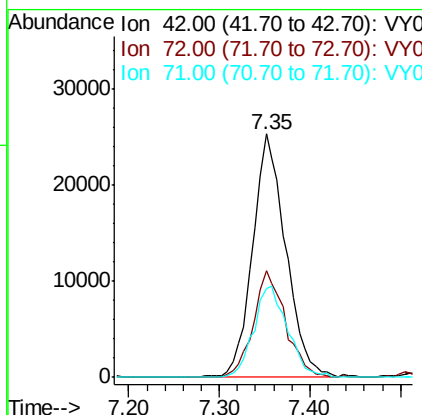
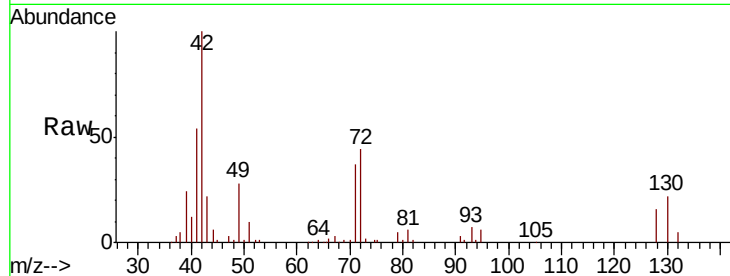
#29
Tetrahydrofuran
Concen: 104.341 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.0	51.0
71	38.3	30.8	46.2

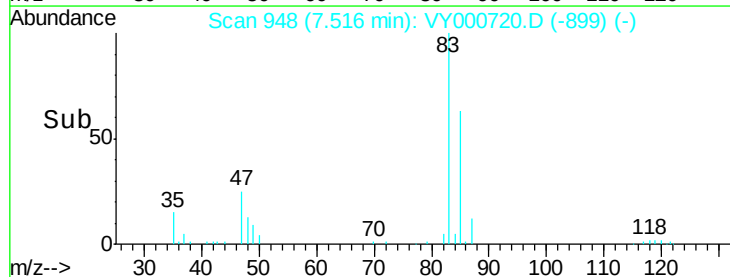
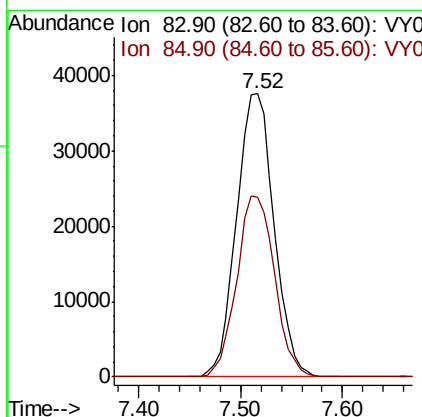
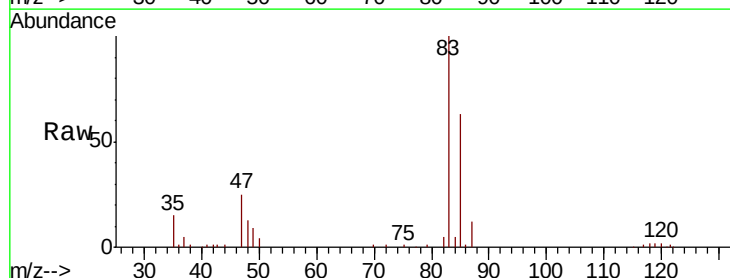
Manual Integrations
APPROVED

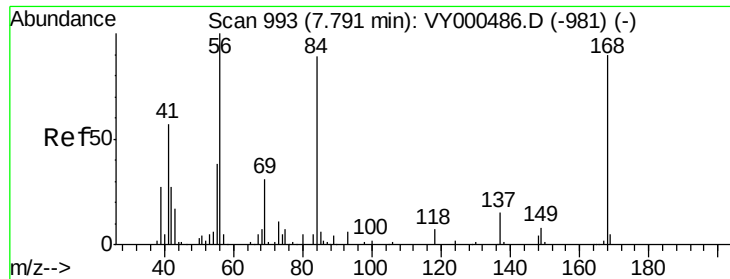
MMDADODA
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#30
Chloroform
Concen: 22.501 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.0	79.4





#31

Cyclohexane

Concen: 20.819 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 56 Resp: 91928

Ion Ratio Lower Upper

56 100

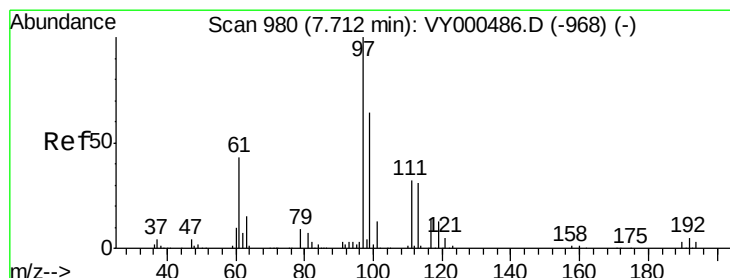
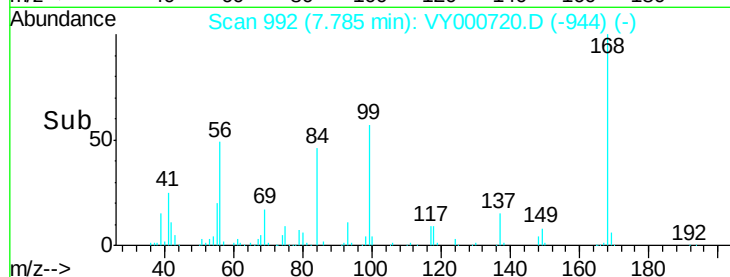
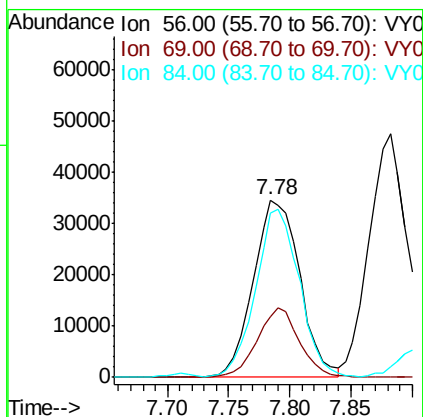
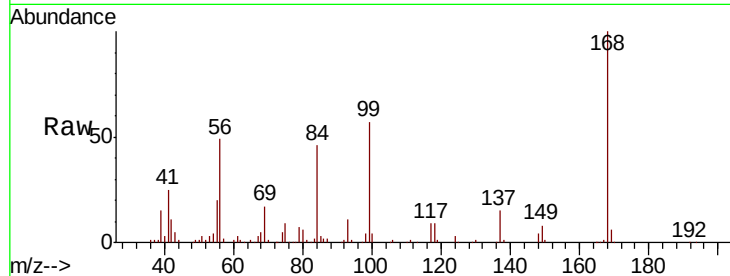
69 34.2 25.0 37.6

84 91.1 71.4 107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.410 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

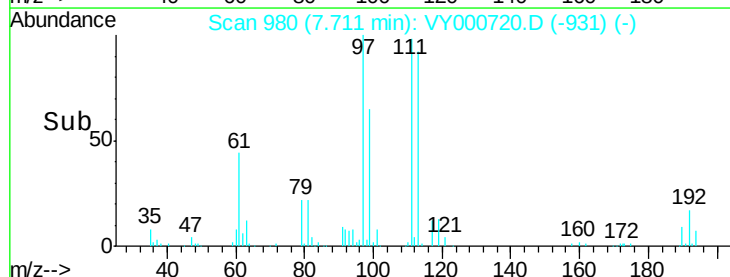
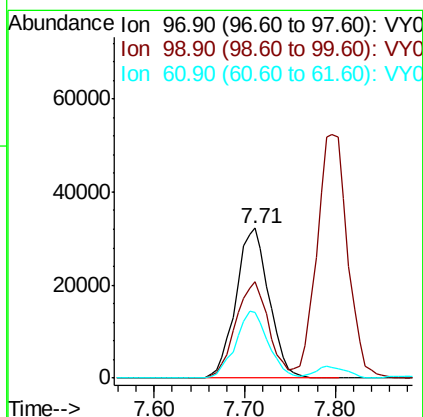
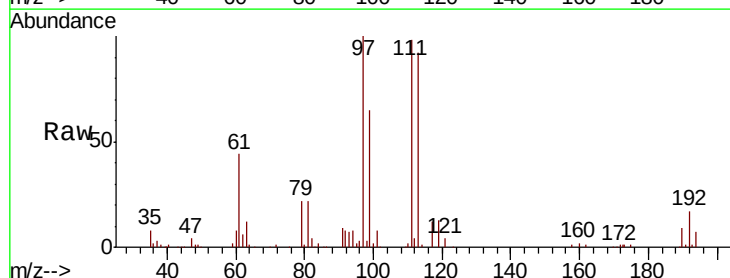
Tgt Ion: 97 Resp: 81378

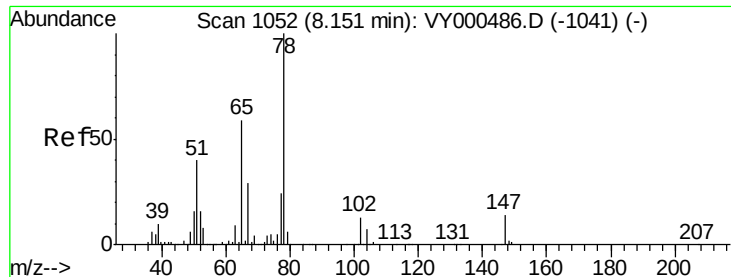
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 44.1 34.9 52.3





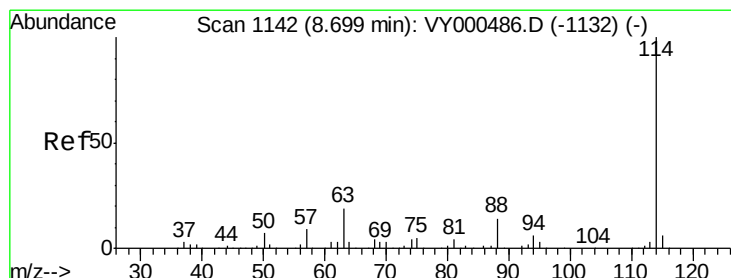
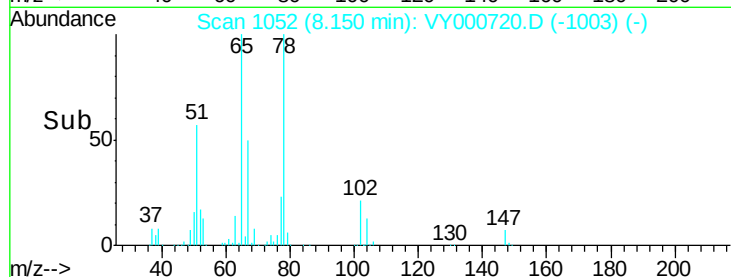
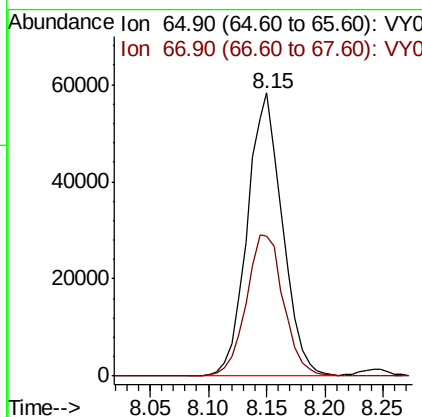
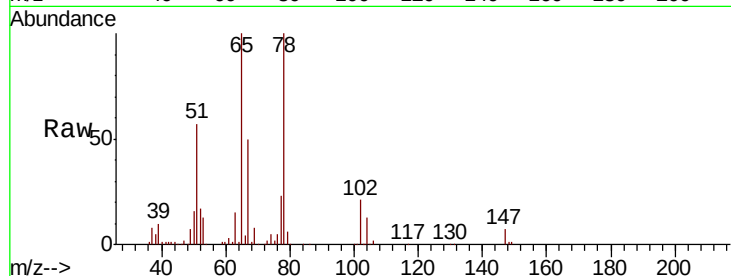
#33
 1,2-Dichloroethane-d4
 Concen: 53.573 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.2

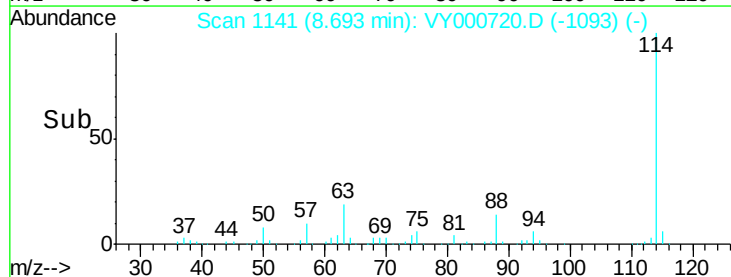
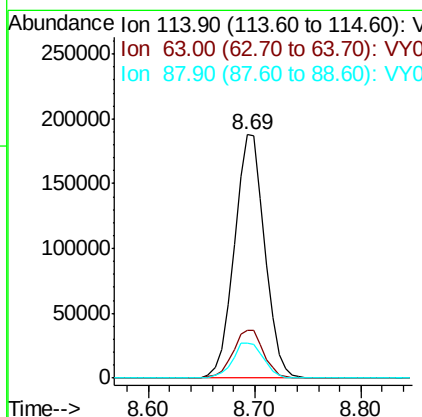
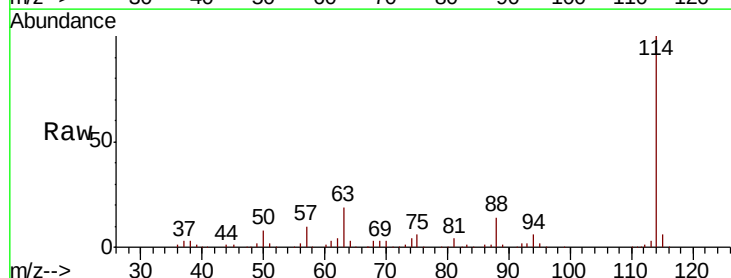
Manual Integrations
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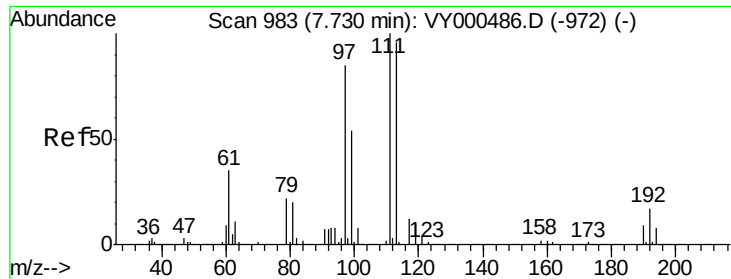
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.0
88	14.3	0.0	28.6





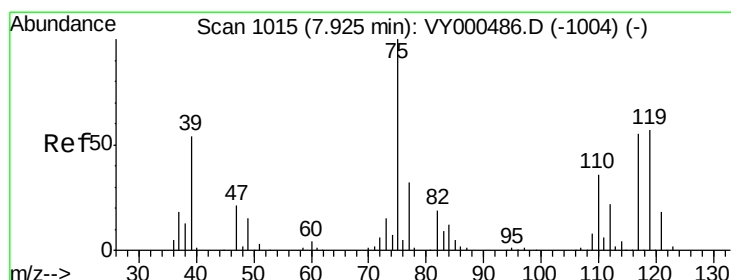
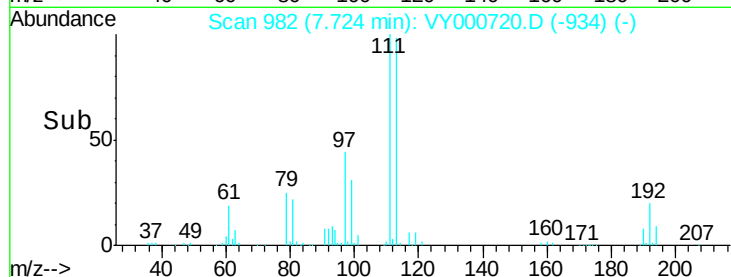
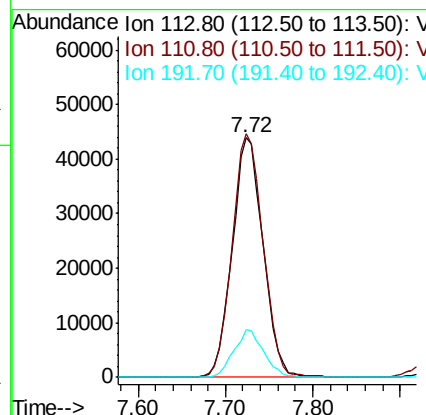
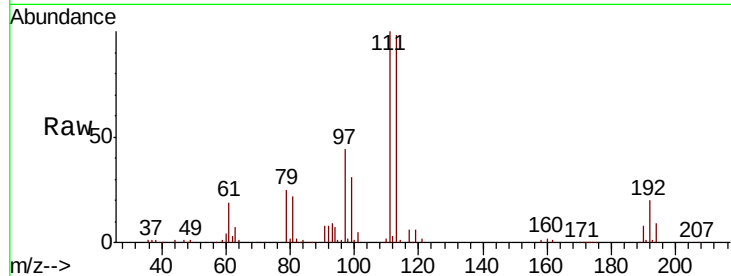
#35
 Dibromofluoromethane
 Concen: 48.859 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107715		
111	101.8	81.7	122.5	
192	19.1	15.0	22.4	

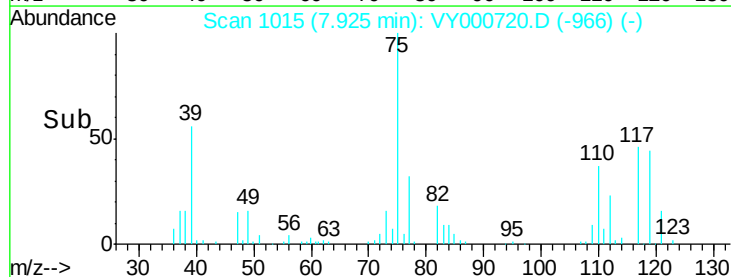
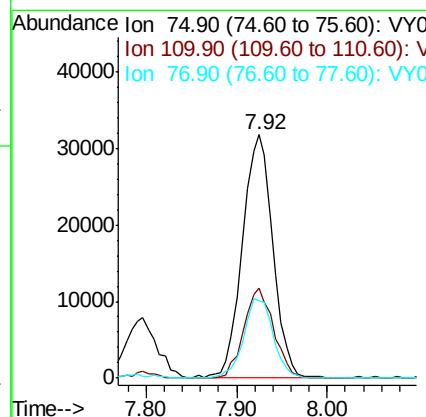
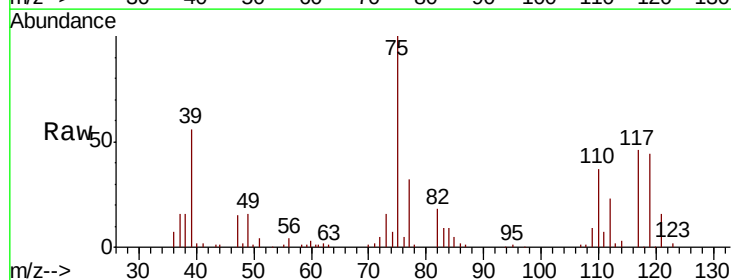
Manual Integrations
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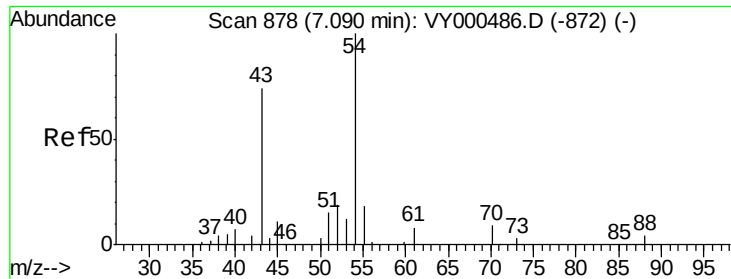
MMDADODA
 11/19/2019 12:21:36 PM



#36
 1,1-Dichloropropene
 Concen: 20.848 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74013		
110	36.1	18.1	54.1	
77	31.7	25.0	37.6	





#37

Ethyl Acetate

Concen: 21.044 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

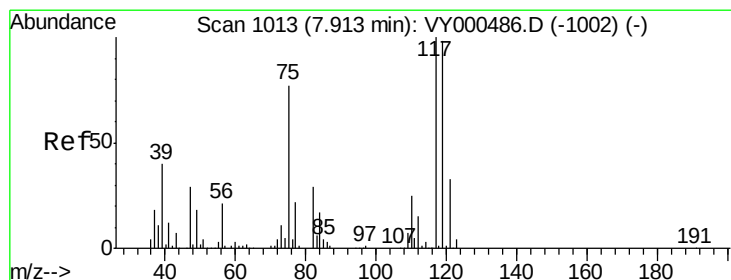
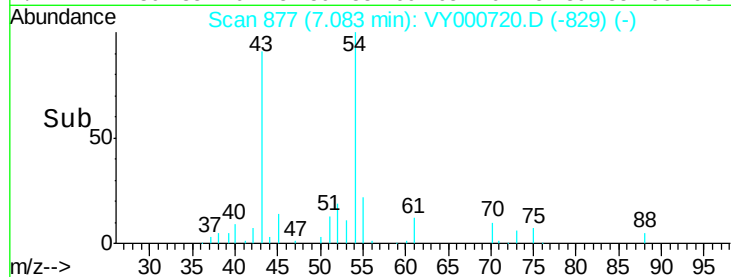
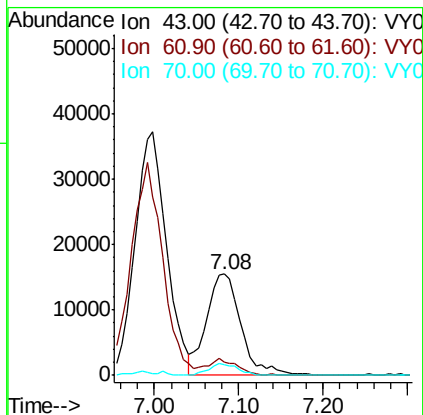
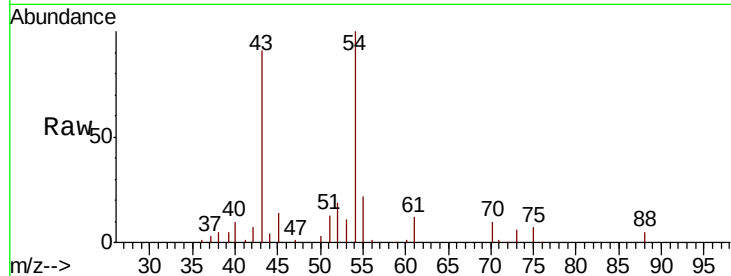
ClientSampleId :

VY1118SBS01

Tot Ion:	43	Resp:	44354
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.9	7.8	11.8

Manual Integrations
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11/19/2019 12:21:36 PM



#38

Carbon Tetrachloride

Concen: 20.601 ug/l

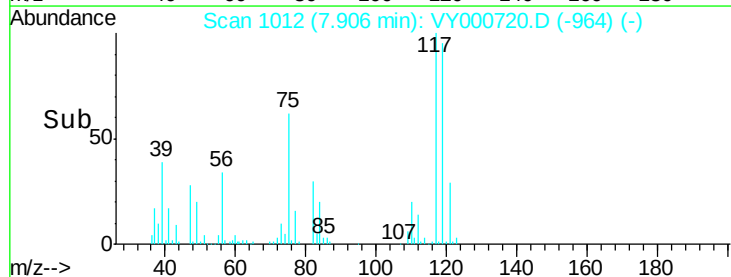
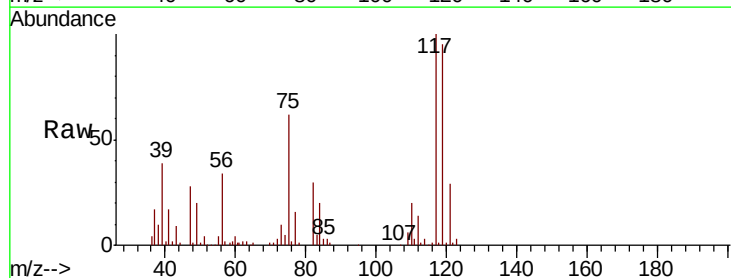
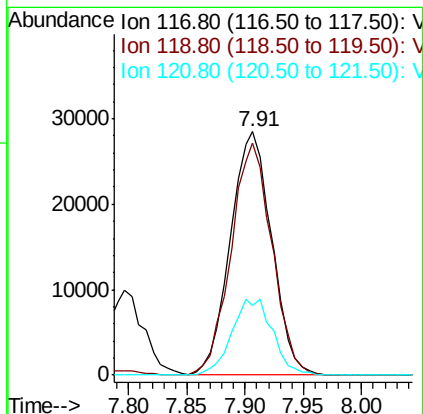
RT: 7.91 min Scan# 1012

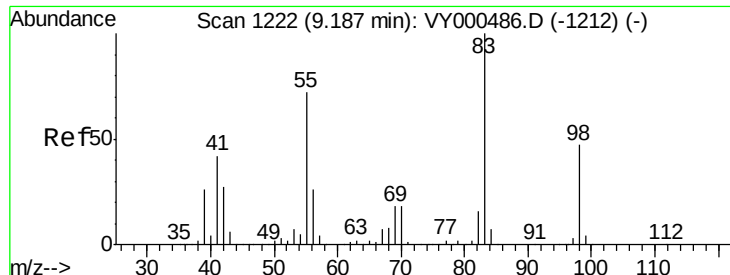
Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	117	Resp:	70372
Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.0	117.0
121	28.5	26.6	40.0





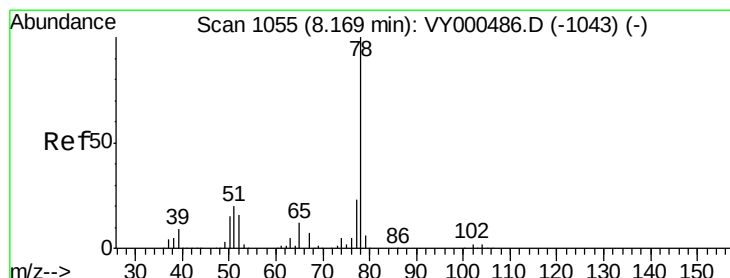
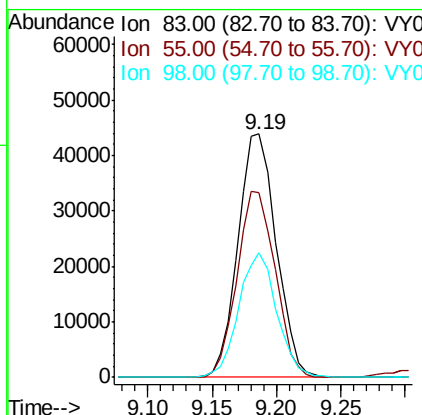
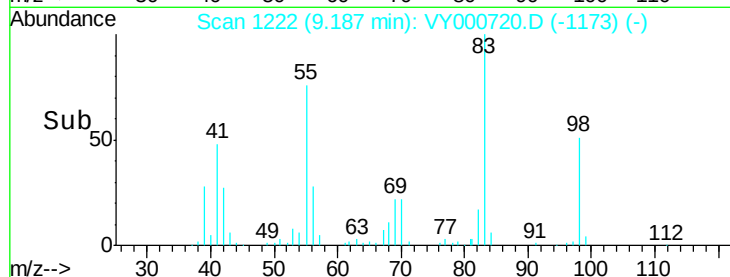
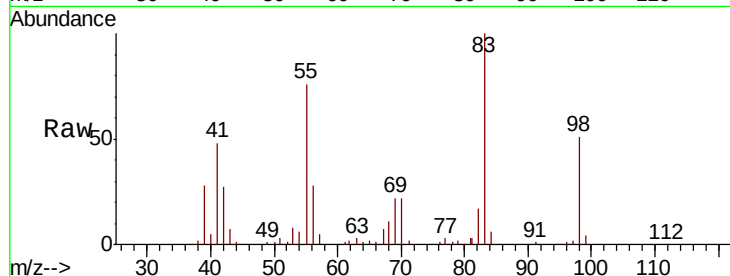
#39
Methylvlcyclohexane
Concen: 19.734 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	83	Resp	90507
Ion Ratio	100	Lower	Upper
83	100		
55	76.0	57.5	86.3
98	51.4	38.0	57.0

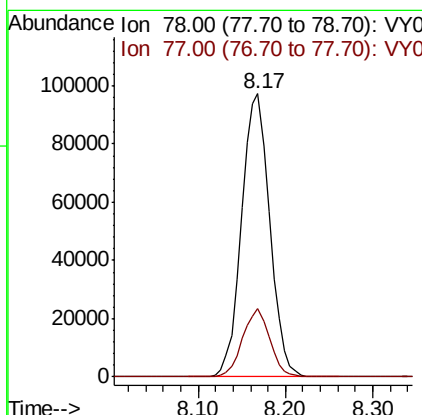
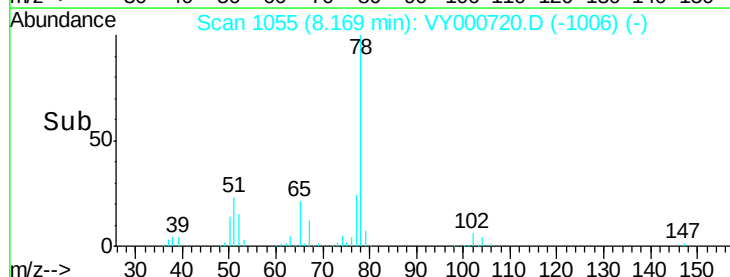
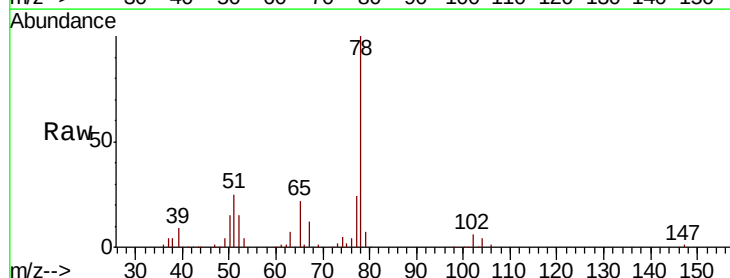
Manual Integrations
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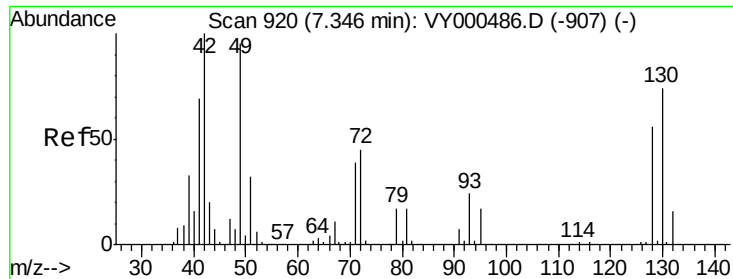
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#40
Benzene
Concen: 20.857 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	78	Resp	217084
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	18.6	28.0





#41

Methacrylonitrile

Concen: 21.744 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.02 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 41 Resp: 25566

Ion Ratio Lower Upper

41 100

39 0.0 68.2 102.4#

67 0.0 0.0 0.0

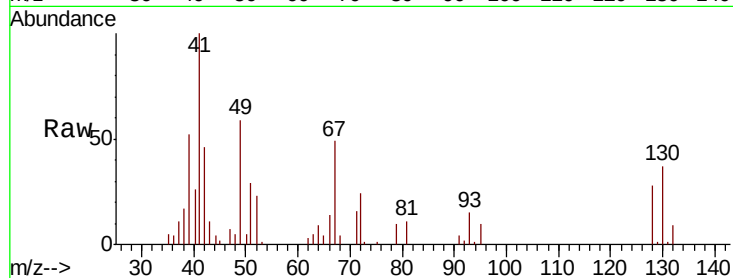
52 0.0 0.0 0.0

Manual Integrations

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MMDADODA

11/19/2019 12:21:36 PM

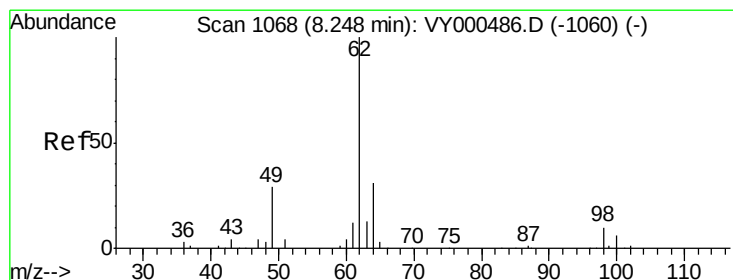
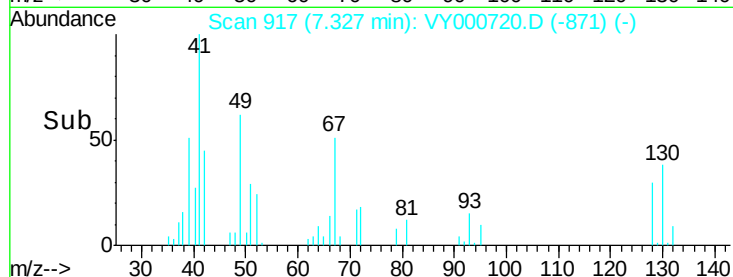
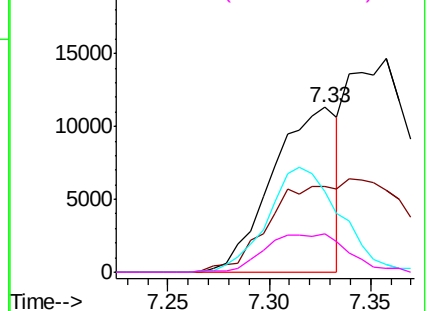


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.064 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000720.D

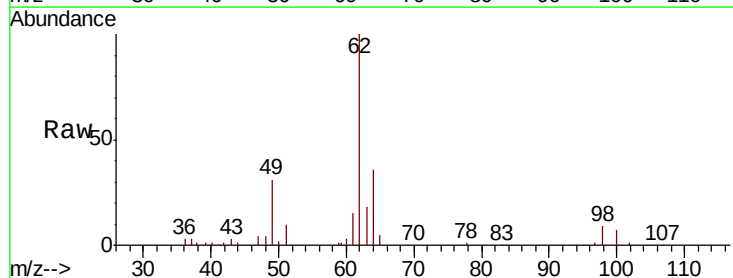
Acq: 18 Nov 2019 12:44

Tgt Ion: 62 Resp: 62181

Ion Ratio Lower Upper

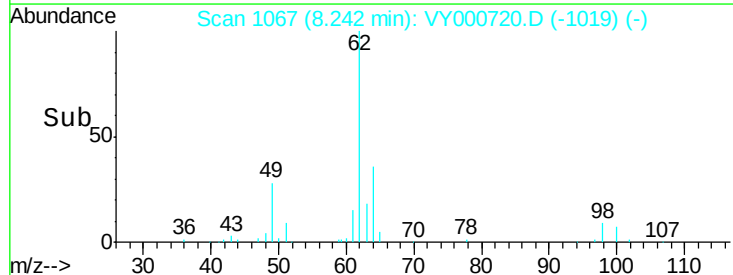
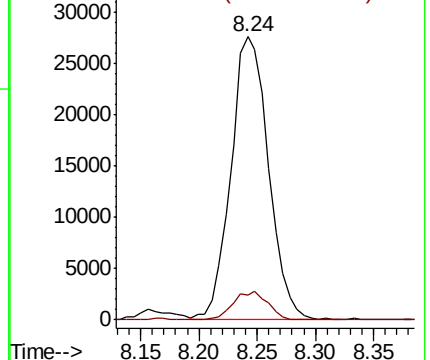
62 100

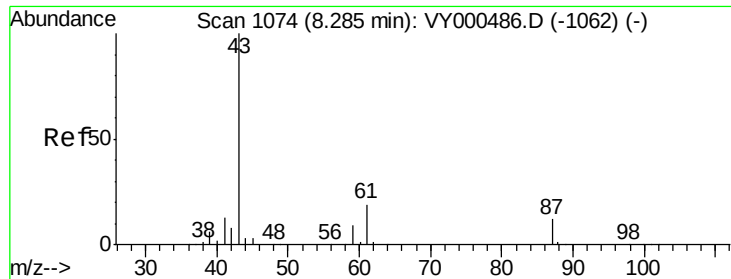
98 9.5 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

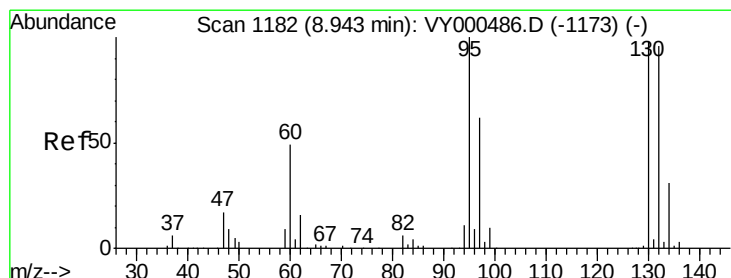
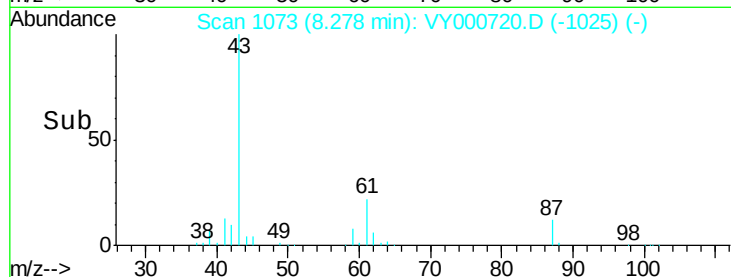
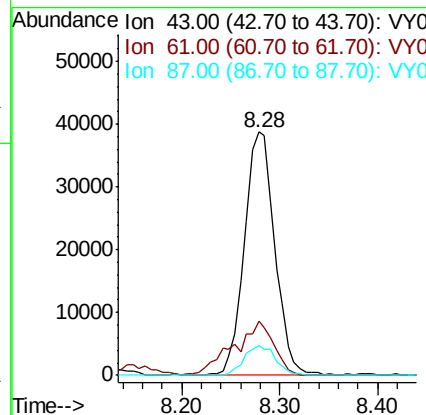
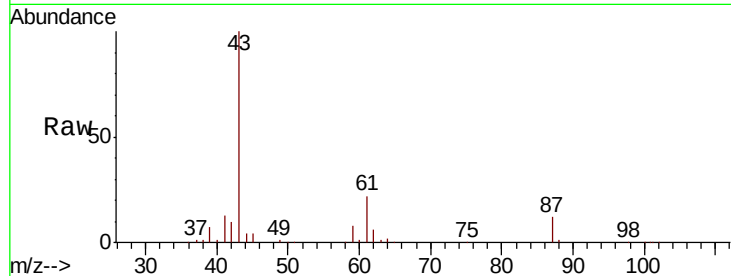
Isopropyl Acetate
 Concen: 21.196 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.0	34.4
87	12.5	10.5	15.7

Manual Integrations
 APPROVED

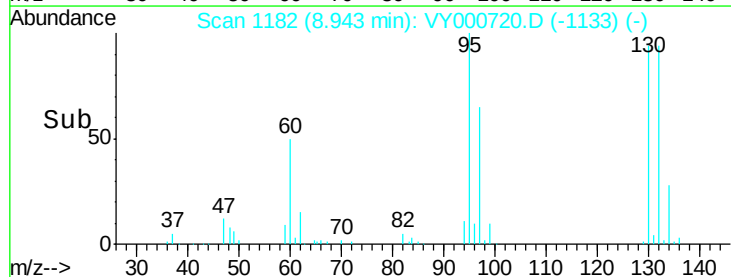
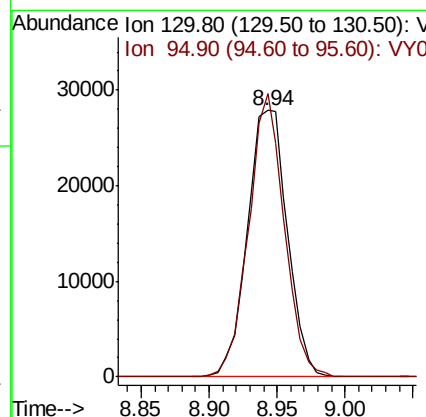
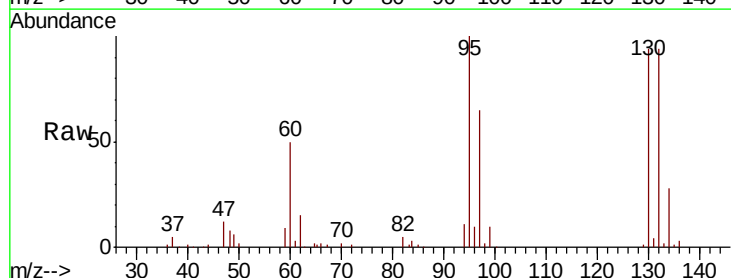
MMDADODA
 11/19/2019 12:21:36 PM

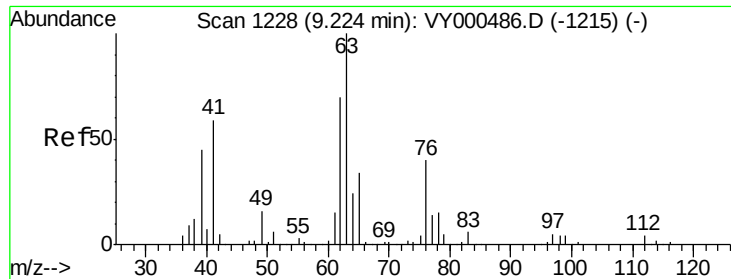


#44

Trichloroethene
 Concen: 20.981 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	203.2





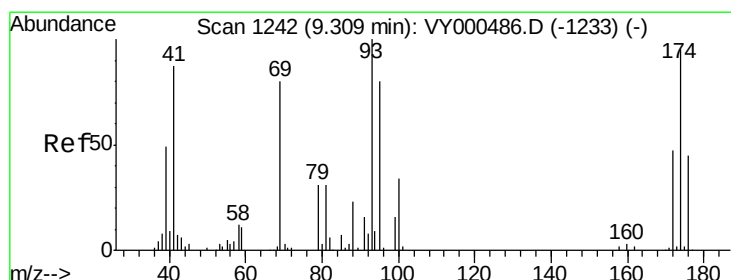
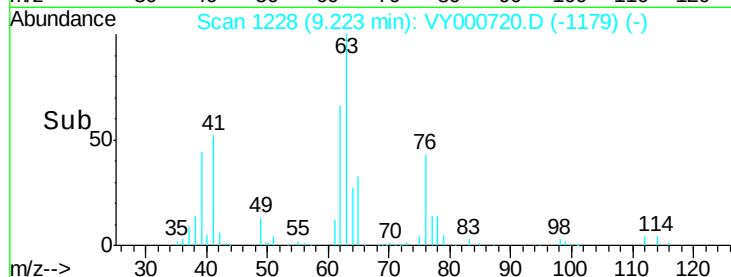
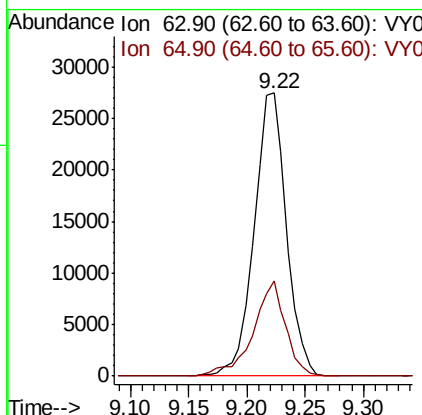
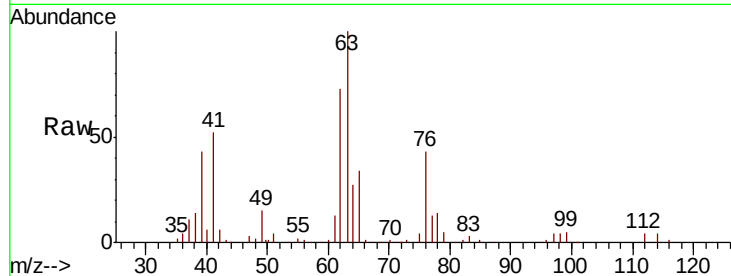
#45
 1,2-Dichloropropane
 Concen: 20.697 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion: 63 Resp: 53018
 Ion Ratio Lower Upper
 63 100
 65 33.7 27.0 40.4

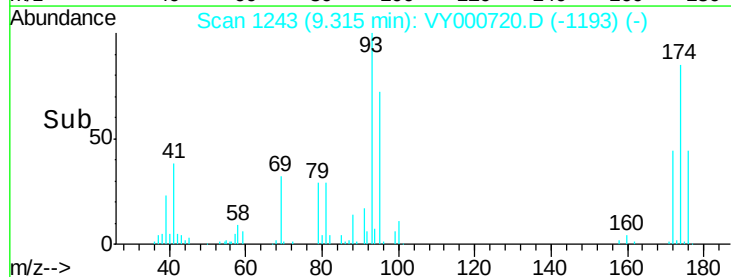
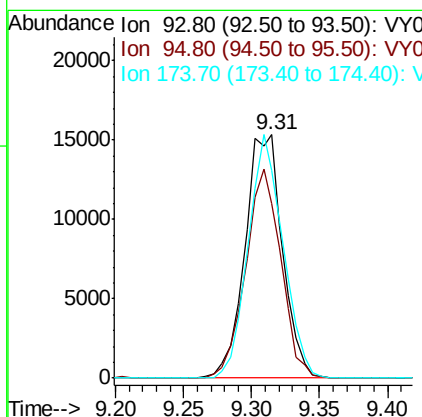
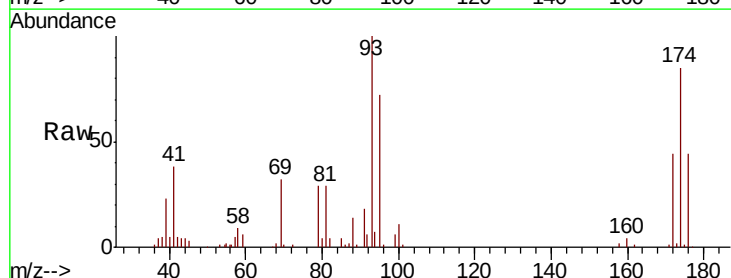
Manual Integrations
 APPROVED

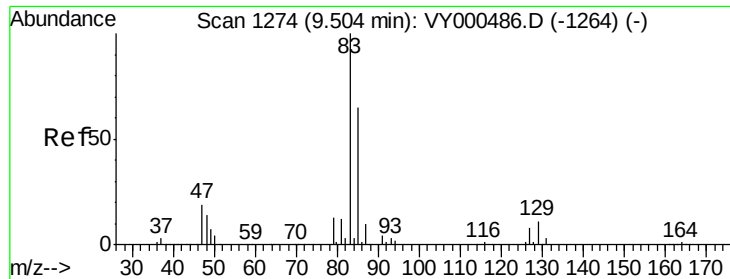
MMDADODA
 11/19/2019 12:21:36 PM



#46
 Dibromomethane
 Concen: 21.021 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion: 93 Resp: 29614
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.4 99.6
 174 93.0 77.1 115.7





#47

Bromodichloromethane

Concen: 21.224 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

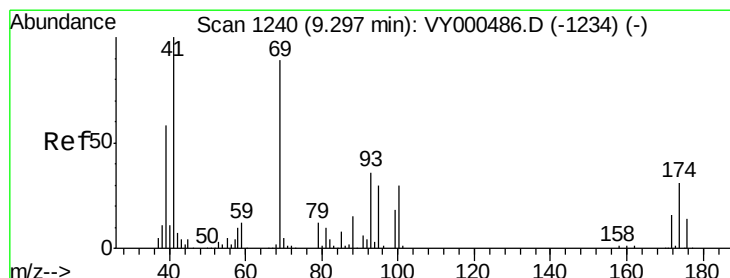
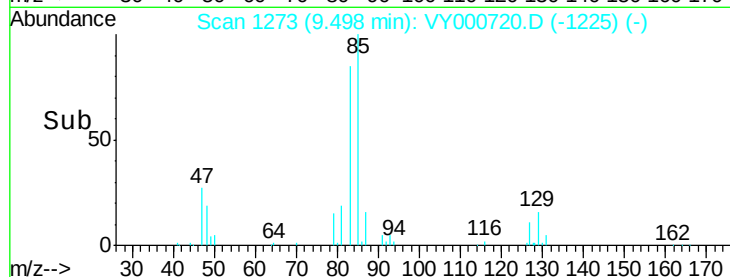
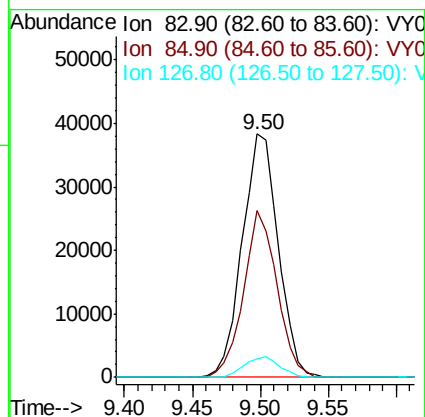
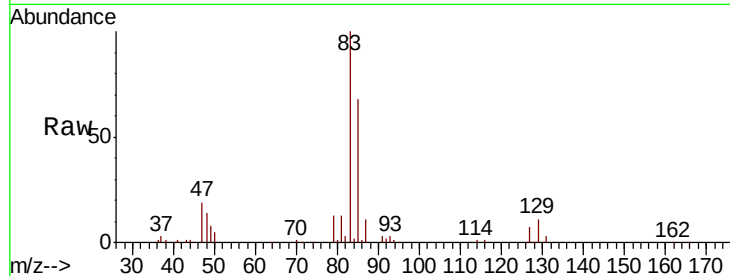
ClientSampleId :

VY1118SBS01

Tot Ion:	83	Resp:	70948
Ion Ratio	Lower	Upper	
83	100		
85	68.3	51.8	77.8
127	7.4	6.7	10.1

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:36 PM



#48

Methyl methacrylate

Concen: 20.864 ug/l

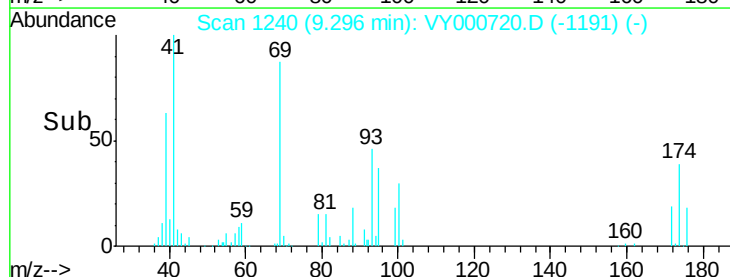
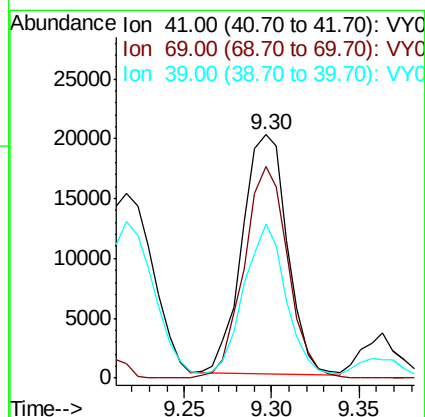
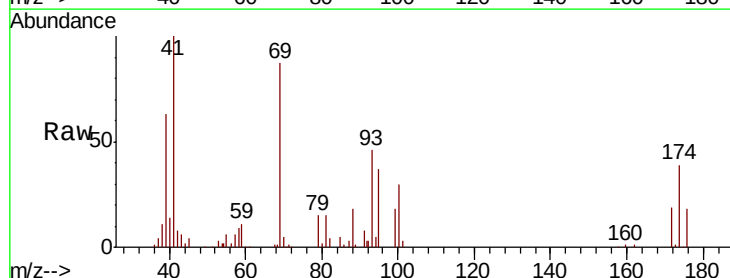
RT: 9.30 min Scan# 1240

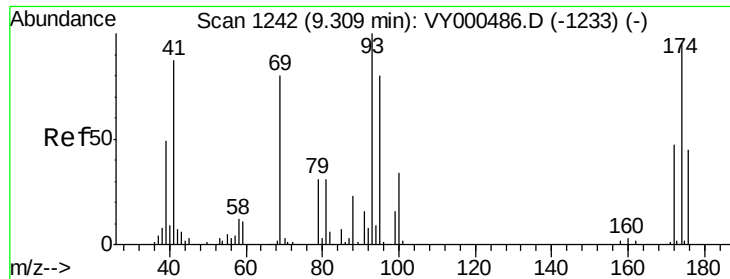
Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	41	Resp:	36093
Ion Ratio	Lower	Upper	
41	100		
69	86.1	72.5	108.7
39	61.9	47.8	71.8





#49

1,4-Dioxane

Concen: 403.320 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 88 Resp: 7647

Ion Ratio Lower Upper

88 100

43 29.8 25.1 37.7

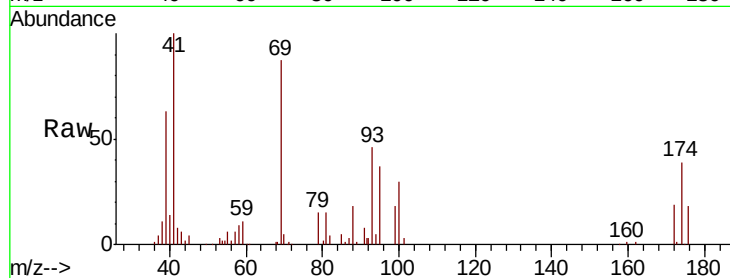
58 69.2 50.6 75.8

Manual Integrations

APPROVED

MMDADODA

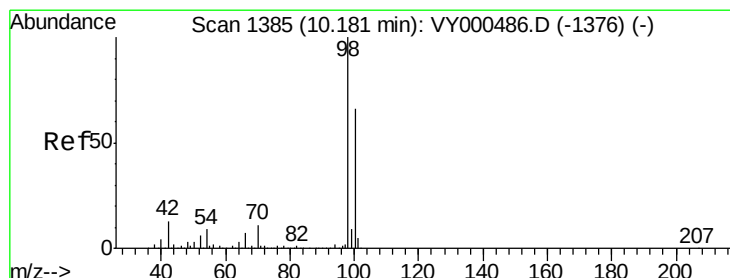
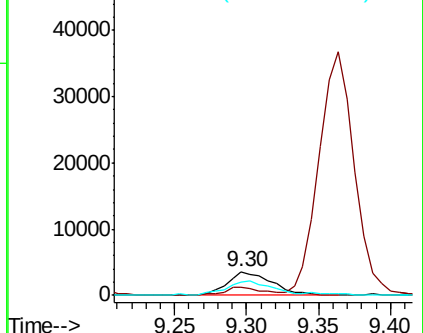
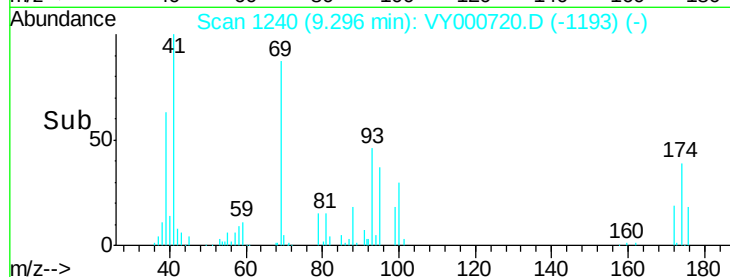
11/19/2019 12:21:36 PM



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 52.245 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000720.D

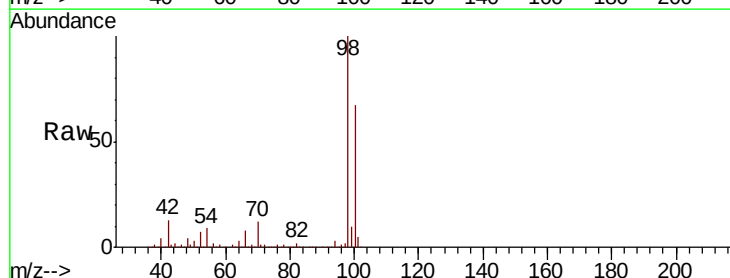
Acq: 18 Nov 2019 12:44

Tgt Ion: 98 Resp: 437045

Ion Ratio Lower Upper

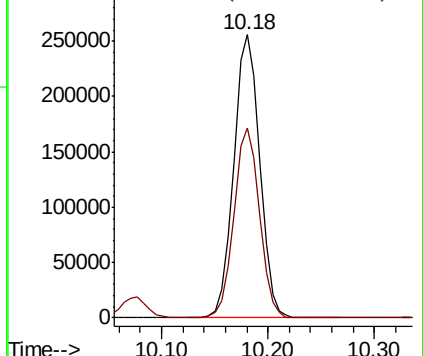
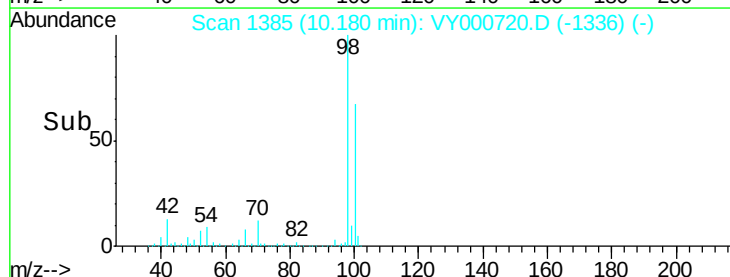
98 100

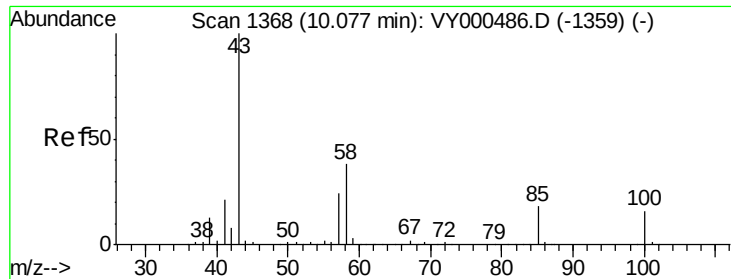
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





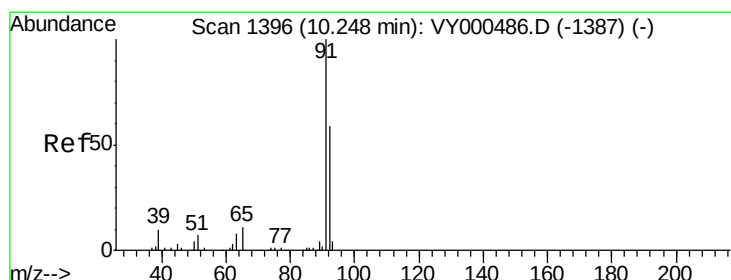
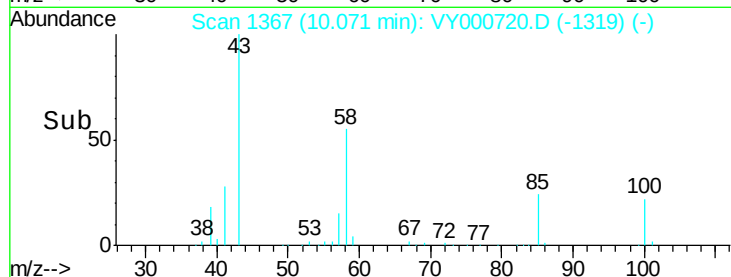
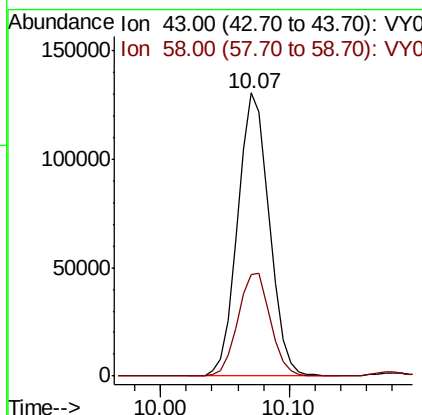
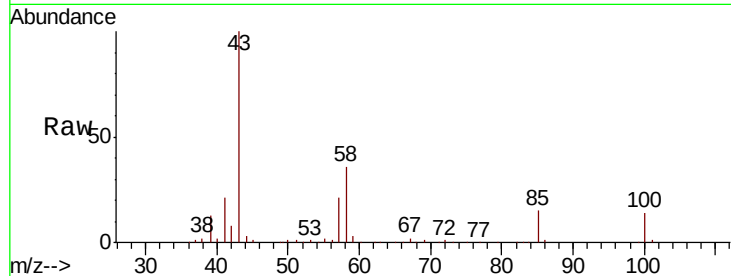
#51
4-Methyl-2-Pentanone
Concen: 104.828 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.2	45.4

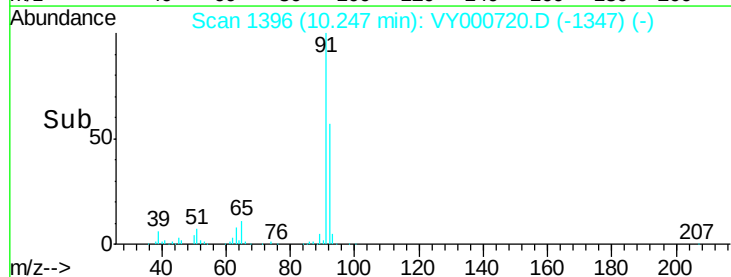
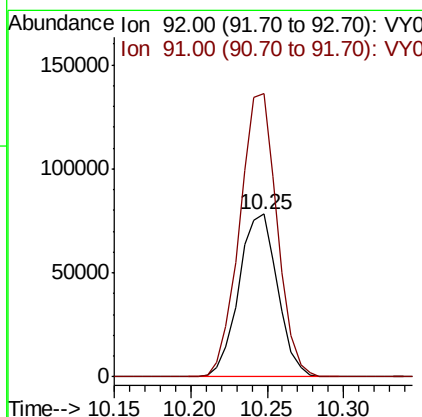
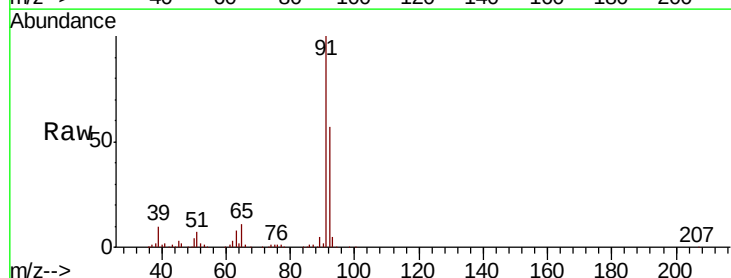
Manual Integrations
APPROVED

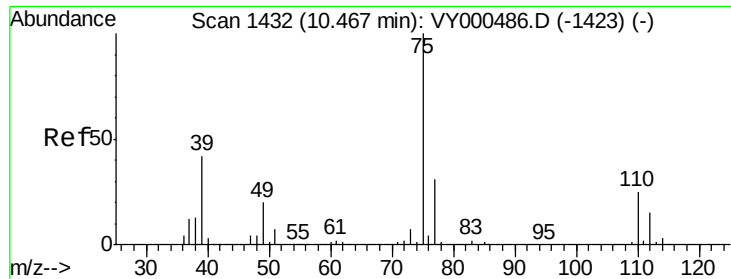
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#52
Toluene
Concen: 20.908 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.0	136.3	204.5





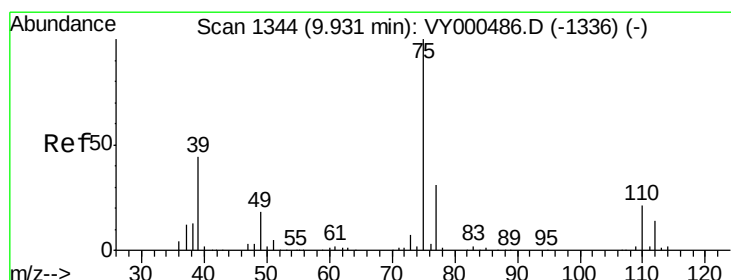
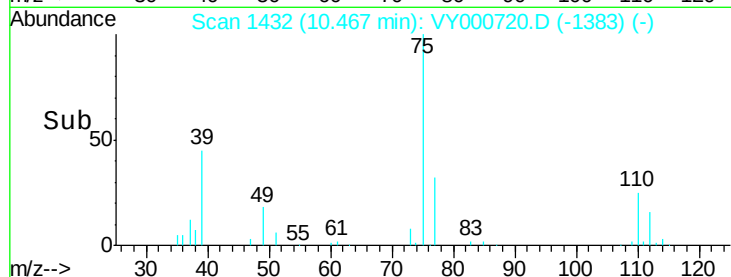
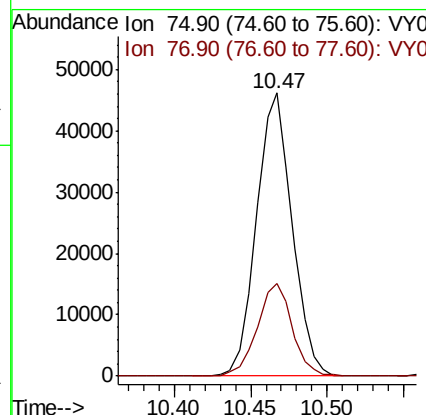
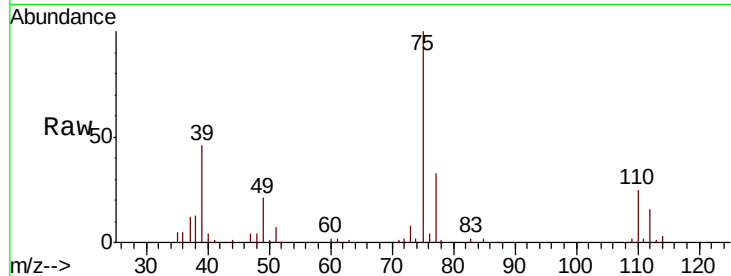
#53
t-1,3-Dichloropropene
Concen: 20.899 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 75 Resp: 74647
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0

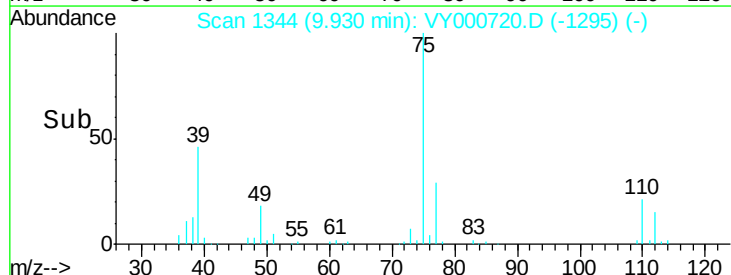
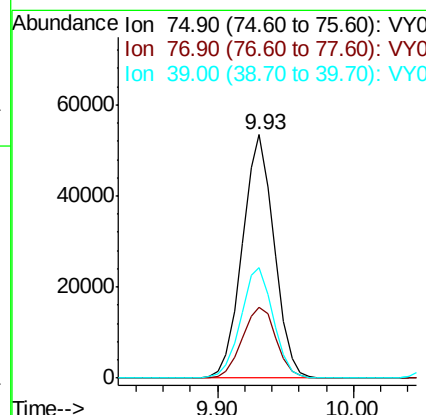
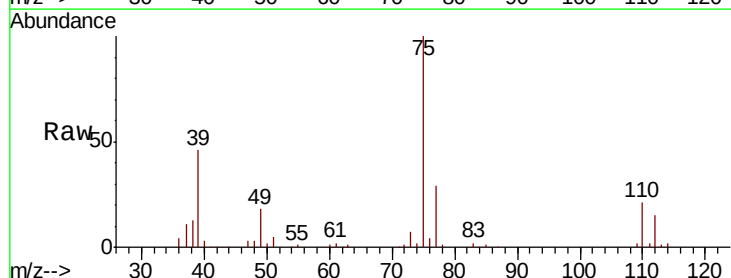
Manual Integrations
APPROVED

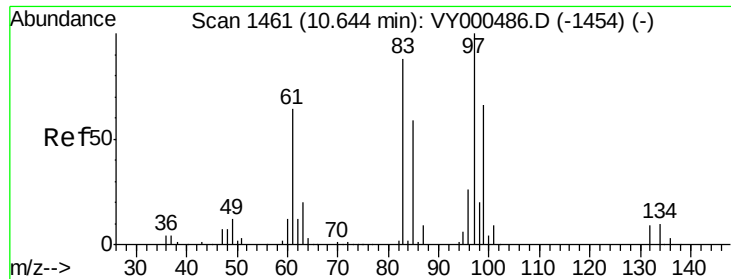
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11/19/2019 12:21:36 PM



#54
cis-1,3-Dichloropropene
Concen: 21.345 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion: 75 Resp: 87340
Ion Ratio Lower Upper
75 100
77 29.3 24.5 36.7
39 45.5 35.4 53.2





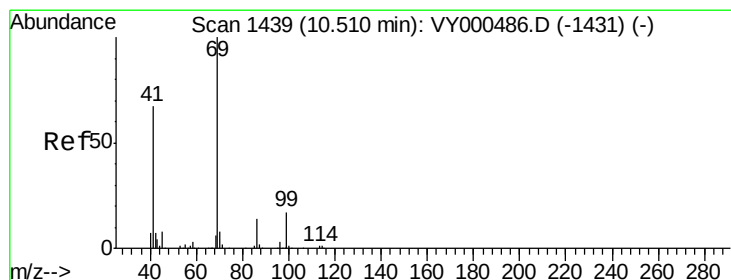
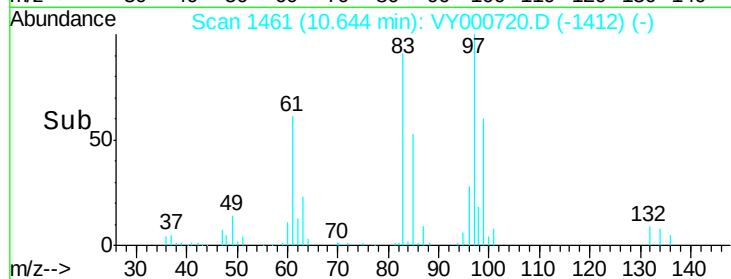
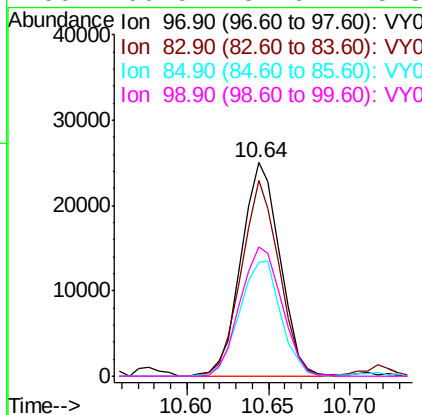
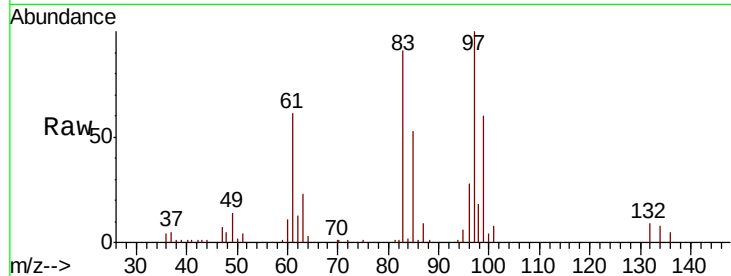
#55
 1,1,2-Trichloroethane
 Concen: 20.432 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion:	97	Resp:	41633
Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.2	105.4
85	53.3	46.9	70.3
99	60.5	52.6	78.8

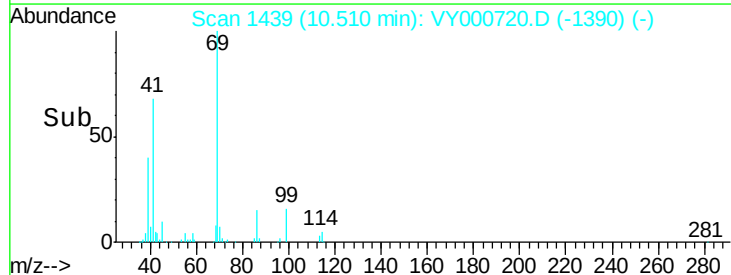
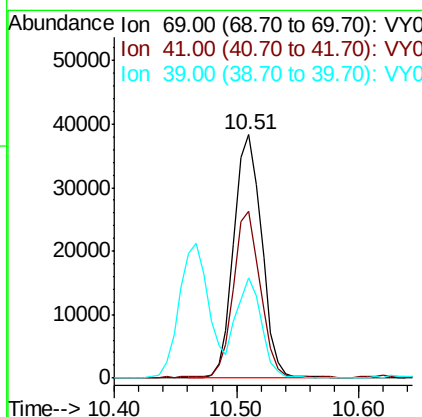
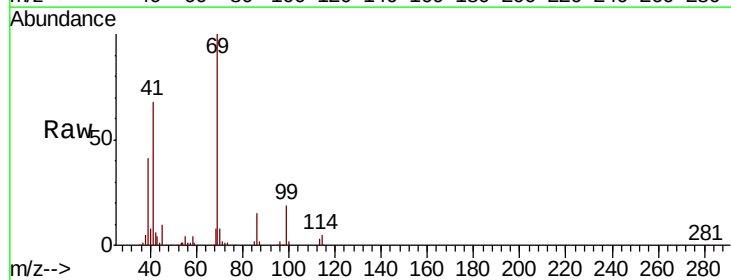
Manual Integrations
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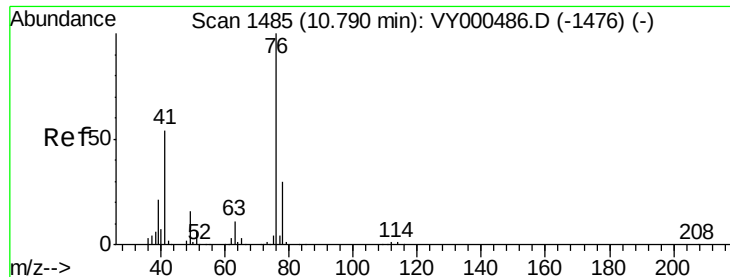
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 11/19/2019 12:21:36 PM



#56
 Ethyl methacrylate
 Concen: 20.934 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion:	69	Resp:	60457
Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.3	79.9
39	37.1	28.0	42.0





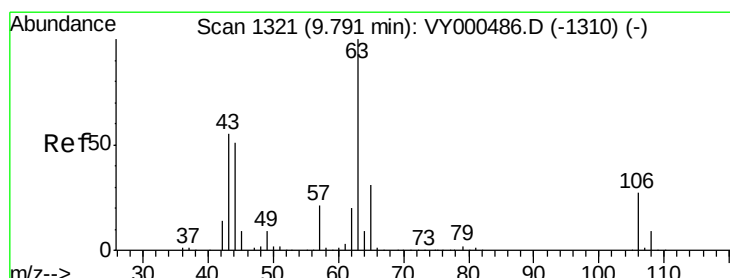
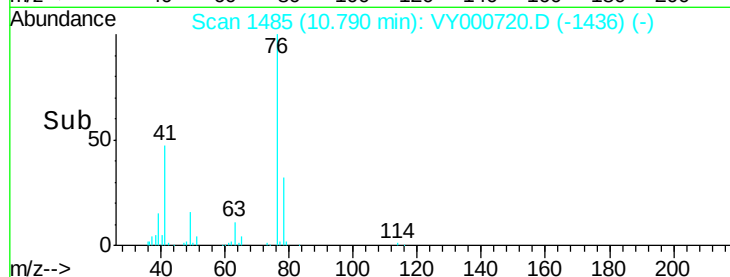
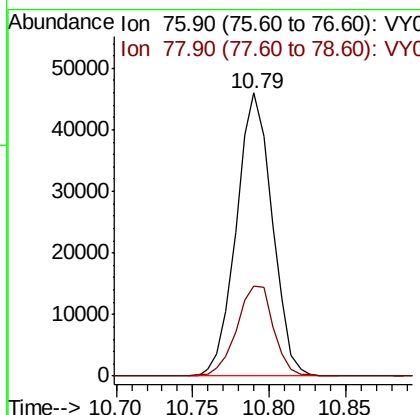
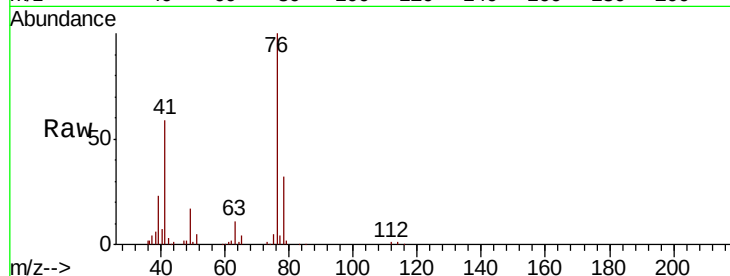
#57
 1,3-Dichloropropane
 Concen: 20.962 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion: 76 Resp: 74758
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

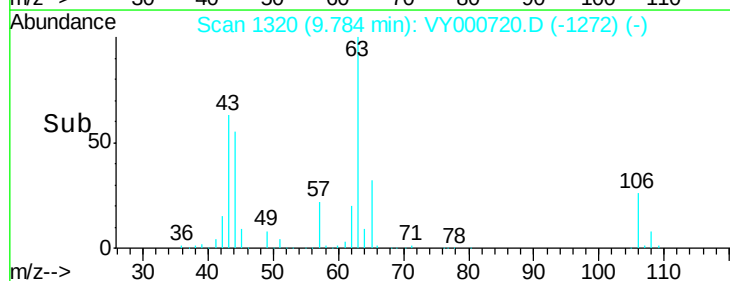
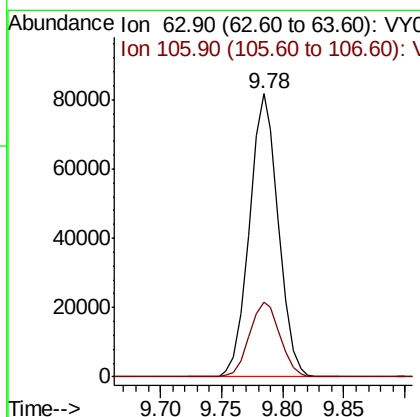
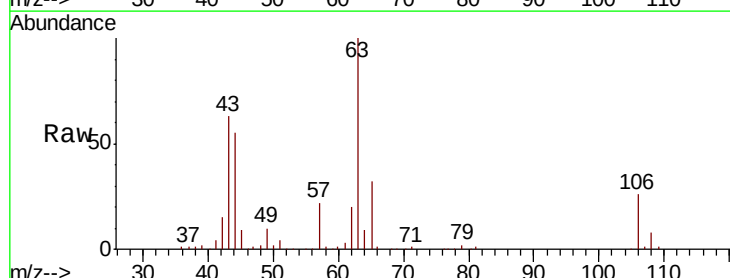
Manual Integrations
 APPROVED

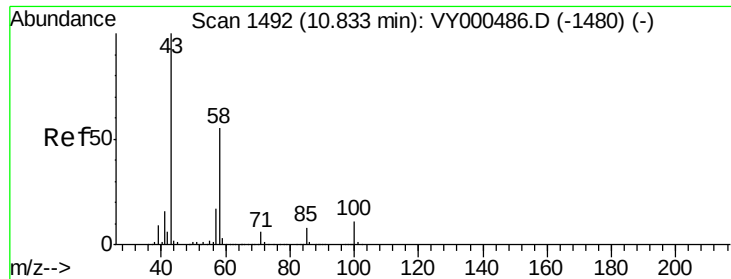
MMDADODA
 11/19/2019 12:21:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.977 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion: 63 Resp: 134451
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8





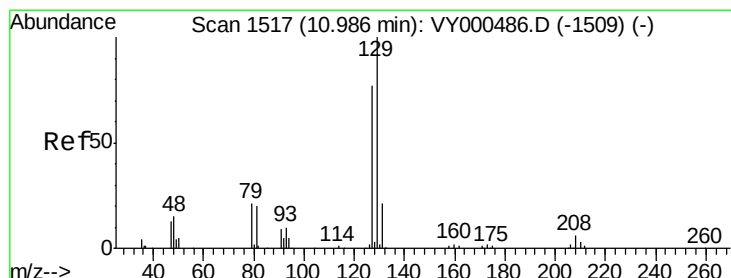
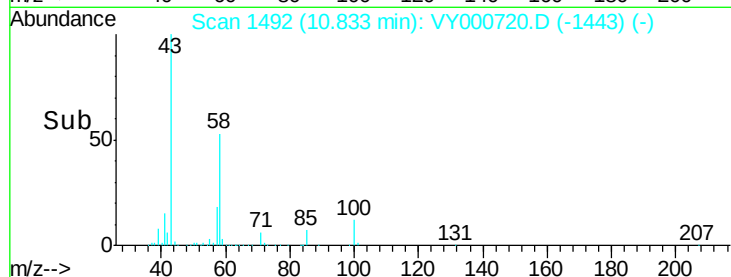
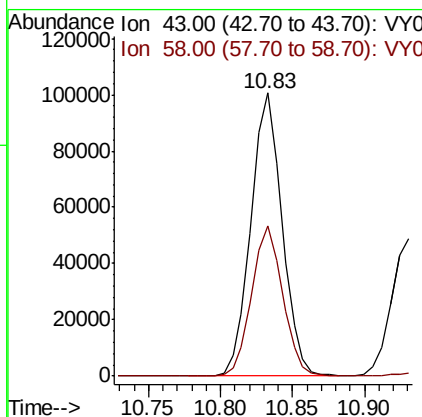
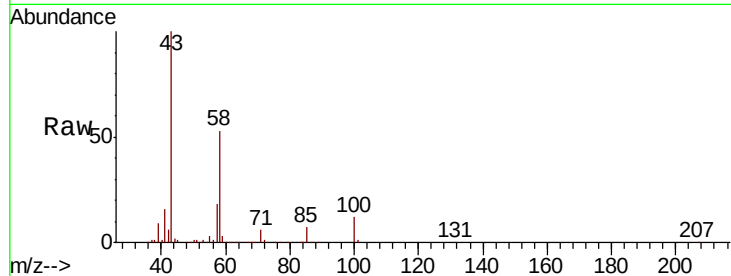
#59
2-Hexanone
Concen: 98.186 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.1	81.3

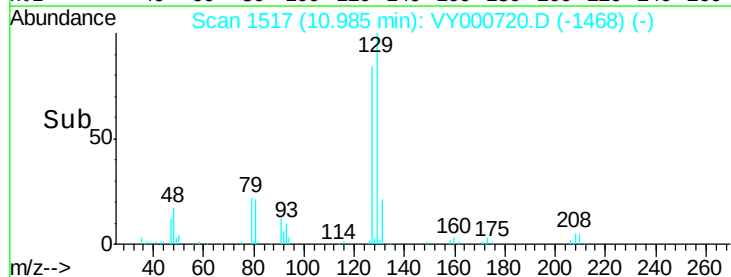
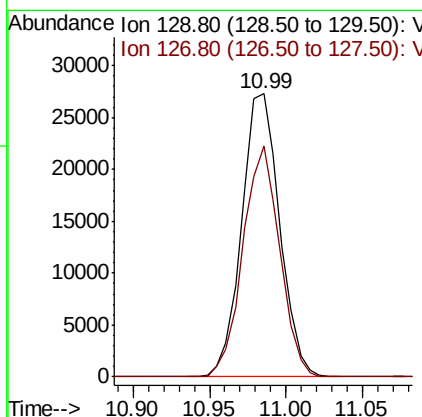
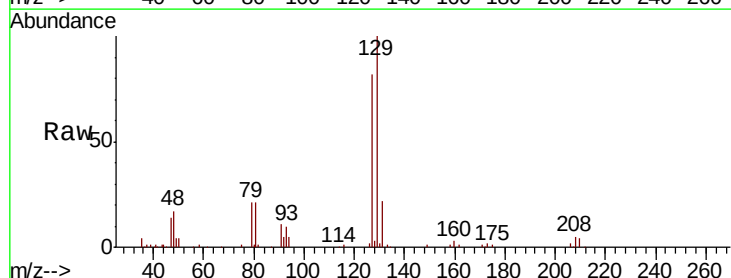
Manual Integrations
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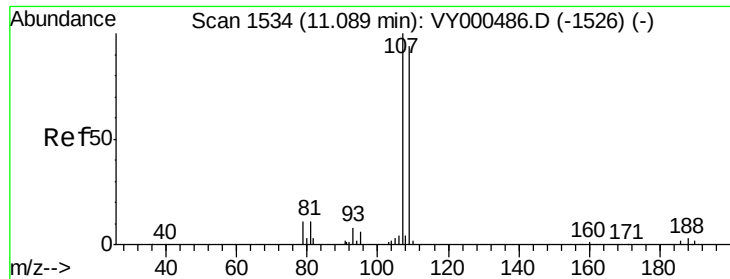
MMDADODA
11/19/2019 12:21:36 PM



#60
Dibromochloromethane
Concen: 20.182 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.2





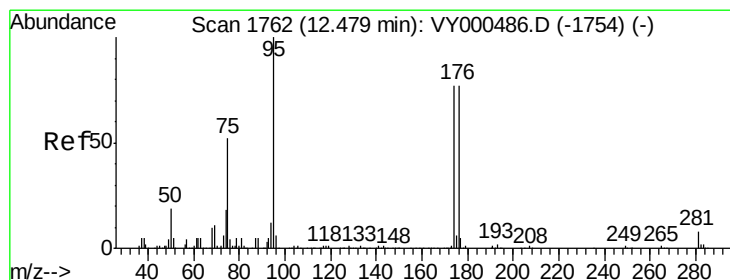
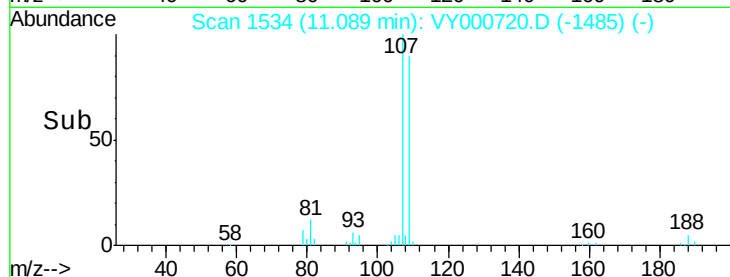
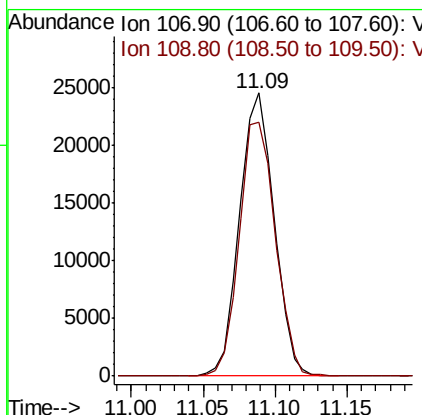
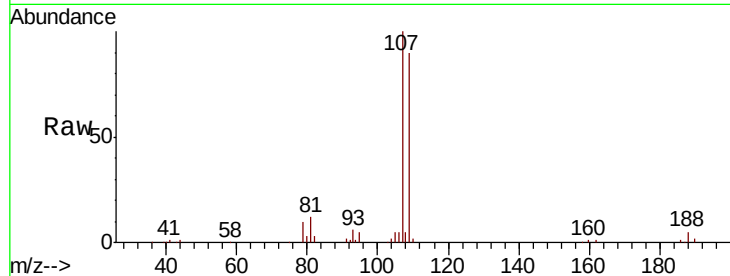
#61
 1,2-Dibromoethane
 Concen: 20.916 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.6	110.4

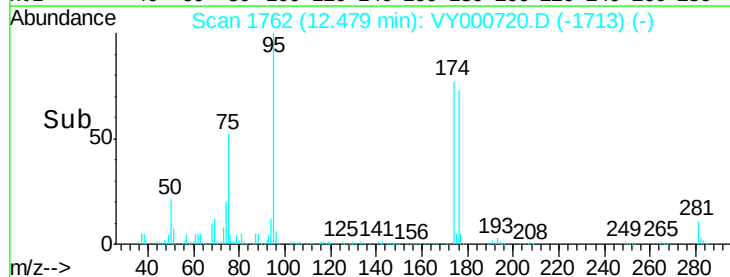
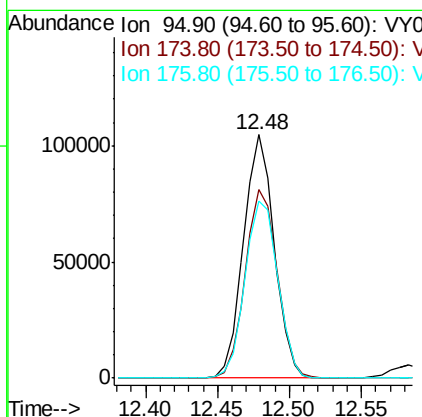
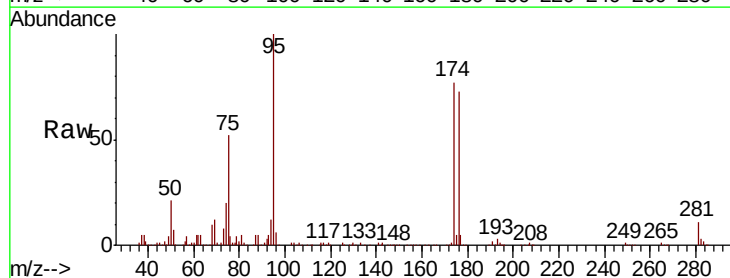
Manual Integrations
 APPROVED

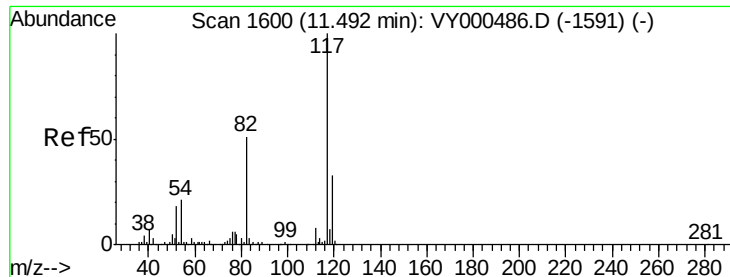
MMDADODA
 11/19/2019 12:21:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.672 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	161.6
176	77.4	0.0	157.8





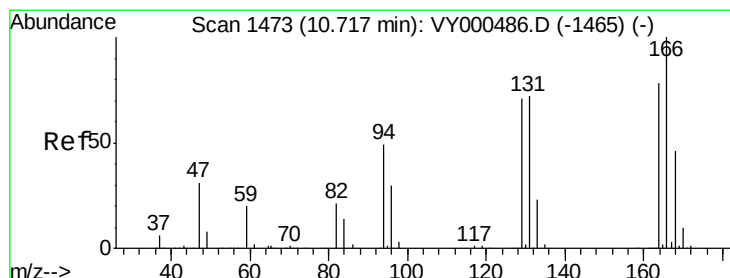
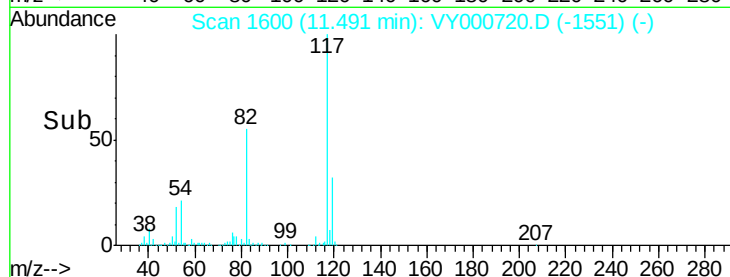
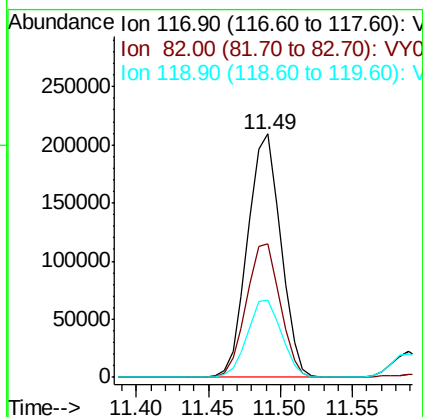
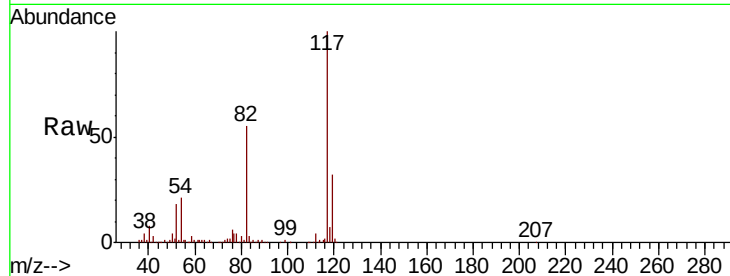
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	40.8	61.2
119	31.6	26.2	39.2

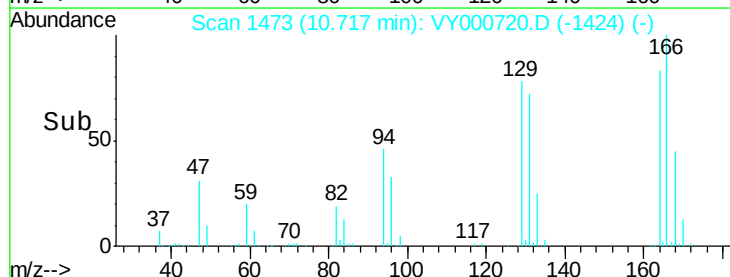
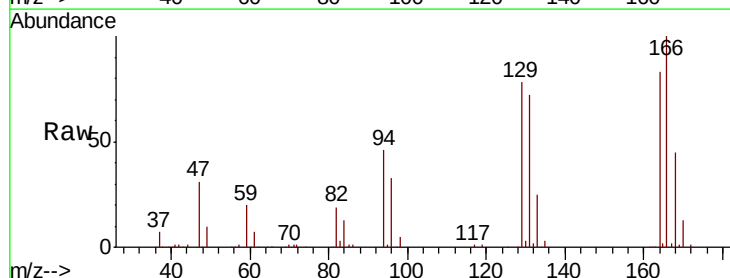
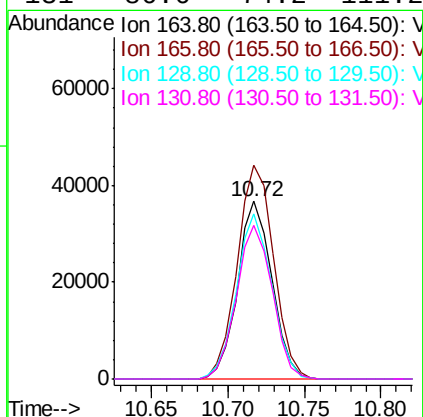
Manual Integrations
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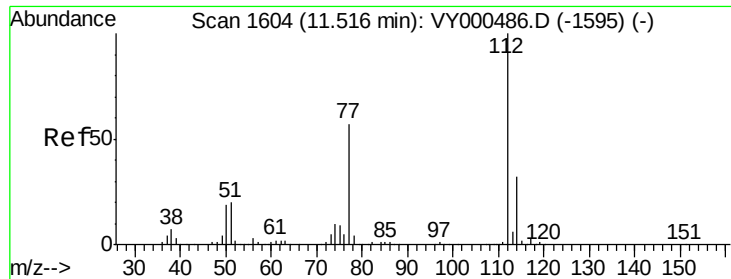
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#64
Tetrachloroethene
Concen: 20.809 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.3	102.7	154.1
129	93.4	73.2	109.8
131	86.6	74.2	111.2





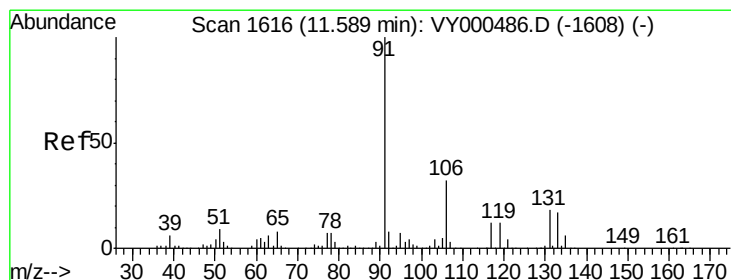
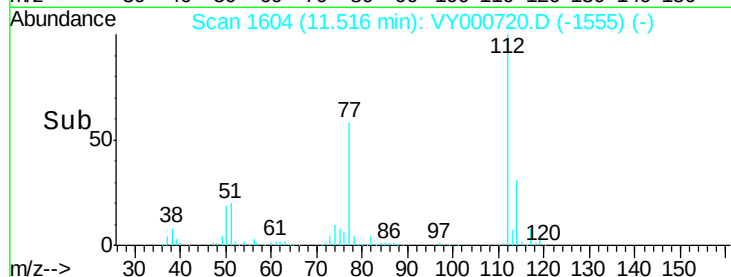
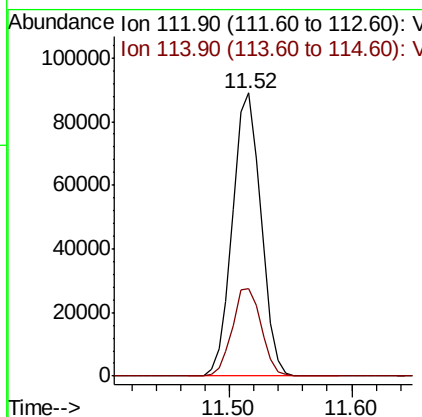
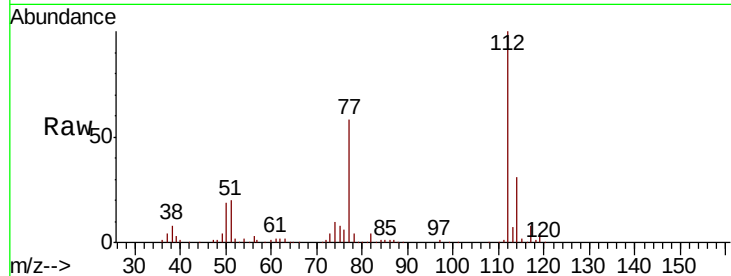
#65
Chlorobenzene
Concen: 21.173 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion:112 Resp: 143200
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9

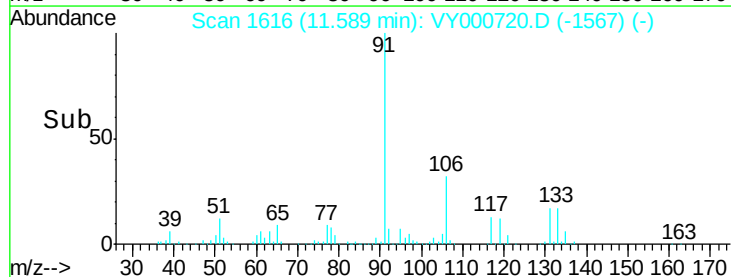
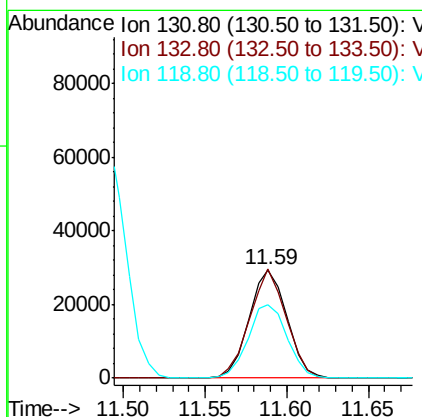
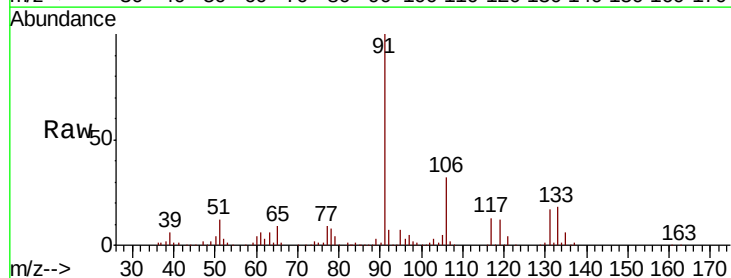
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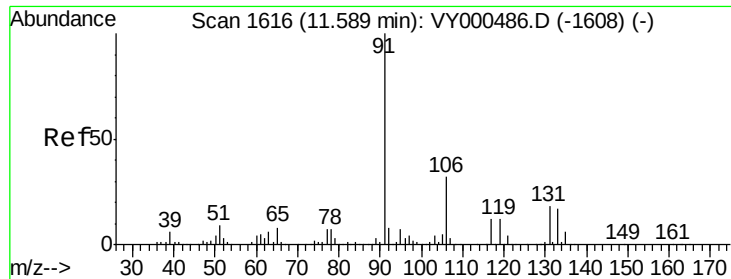
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.118 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion:131 Resp: 47189
Ion Ratio Lower Upper
131 100
133 97.8 47.9 143.8
119 70.9 33.1 99.3





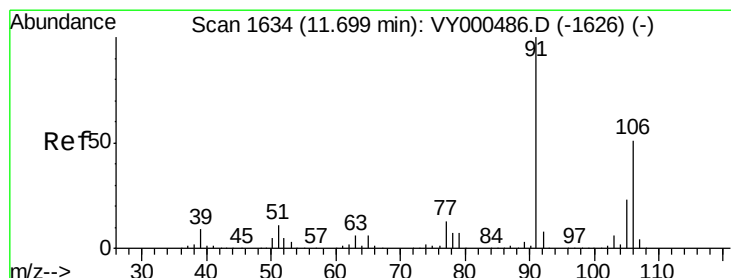
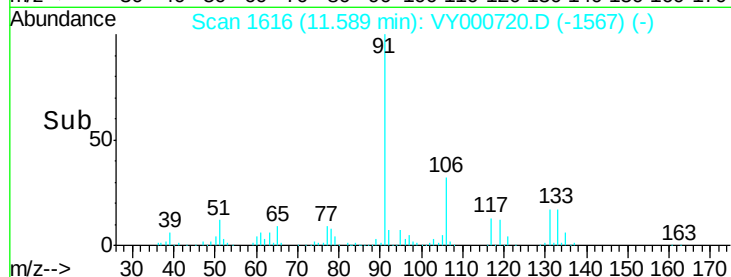
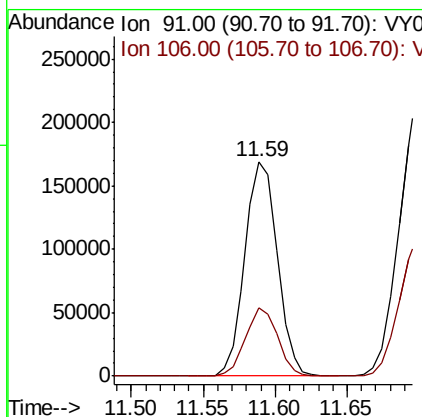
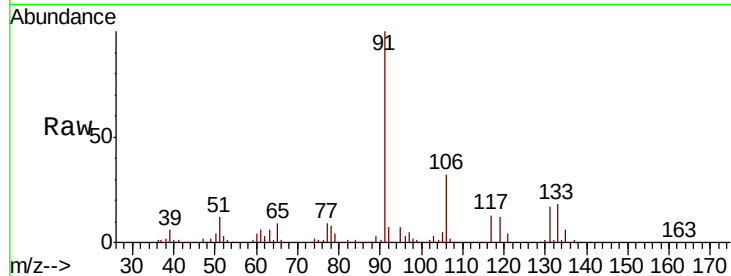
#67
Ethyl Benzene
Concen: 21.237 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 91 Resp: 264354
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0

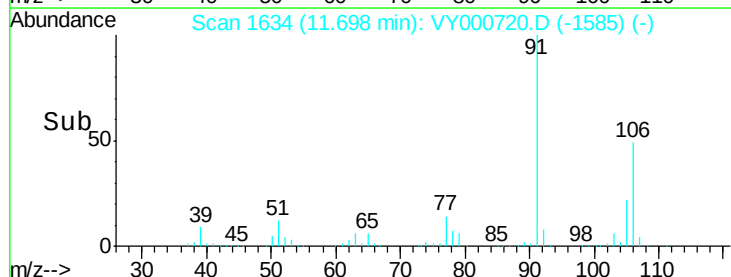
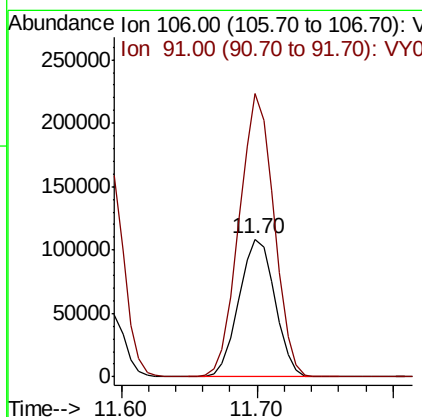
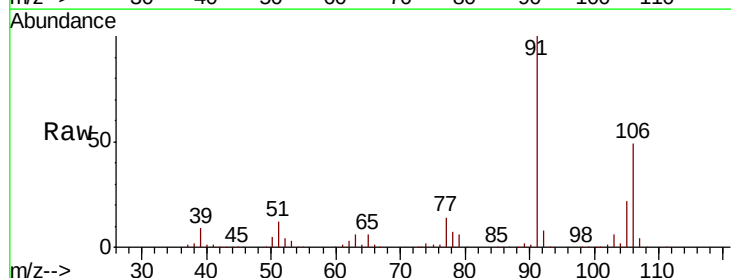
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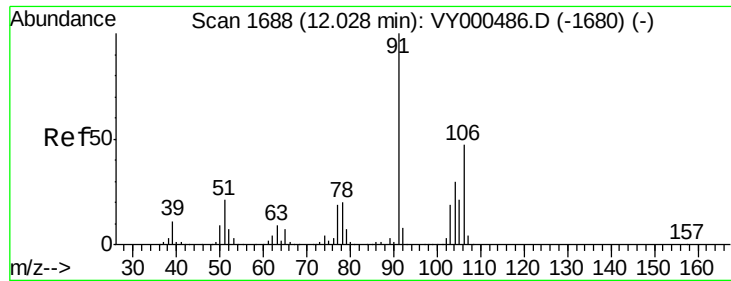
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#68
m/p-Xylenes
Concen: 41.757 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion: 106 Resp: 201171
Ion Ratio Lower Upper
106 100
91 198.7 155.9 233.9





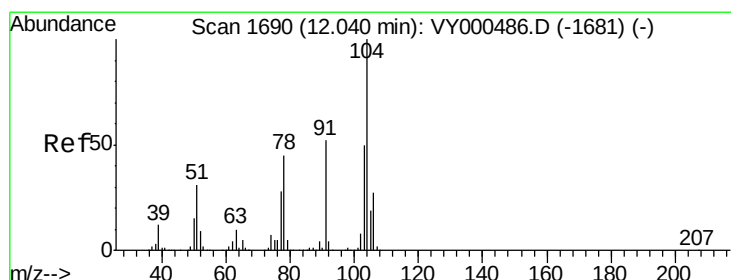
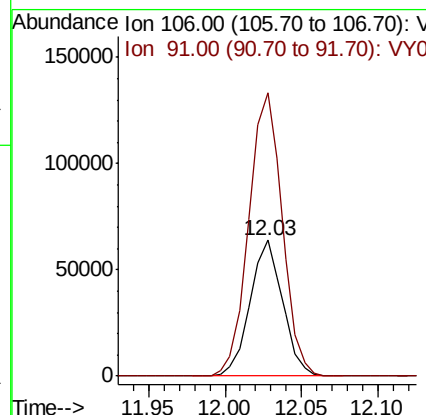
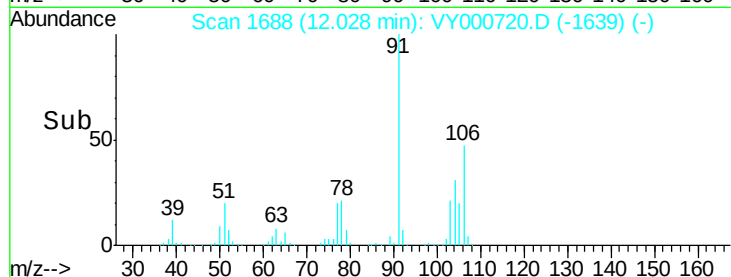
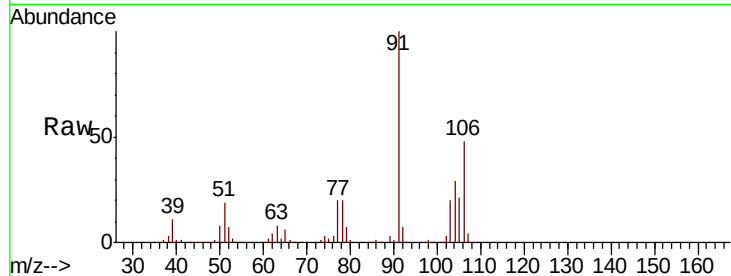
#69
o-Xylene
Concen: 20.950 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion:106 Resp: 94859
Ion Ratio Lower Upper
106 100
91 213.6 106.5 319.6

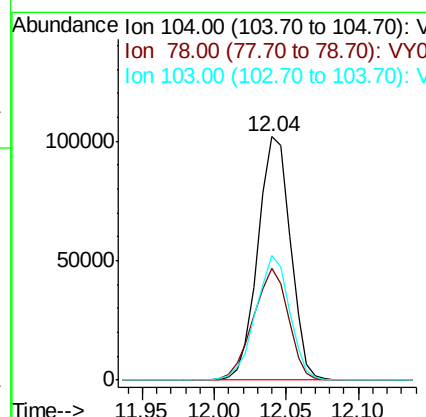
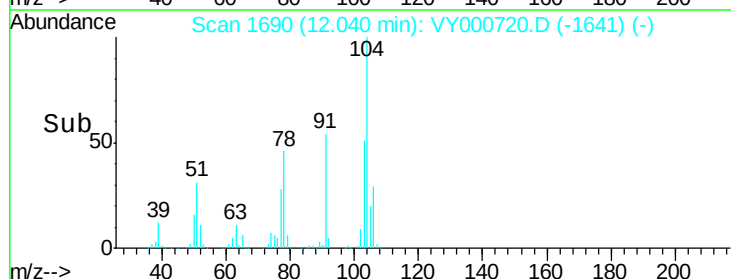
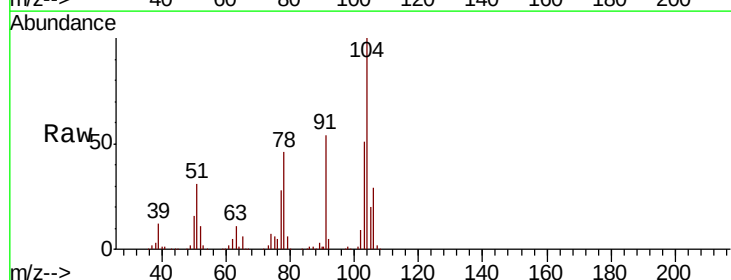
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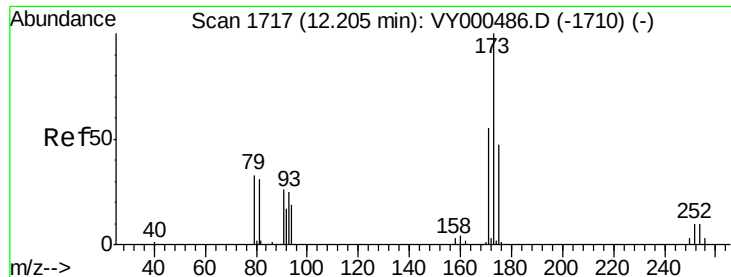
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#70
Styrene
Concen: 20.540 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion:104 Resp: 159254
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 53.4 42.5 63.7





#71

Bromoform

Concen: 20.960 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:173 Resp: 28278

Ion Ratio Lower Upper

173 100

175 46.1 24.4 73.2

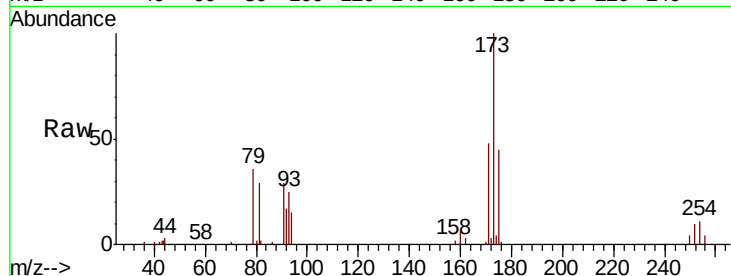
254 0.0 0.1 0.1#

Manual Integrations

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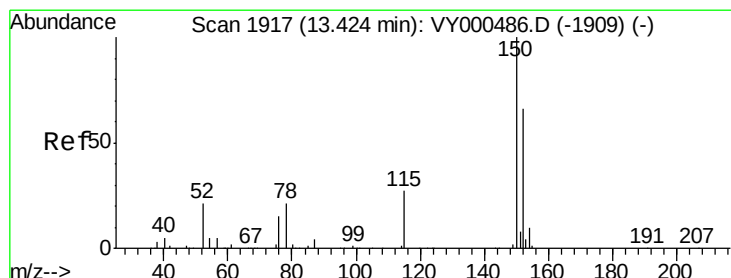
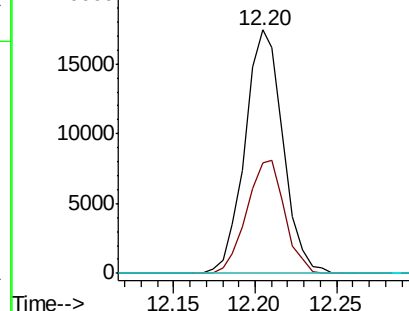
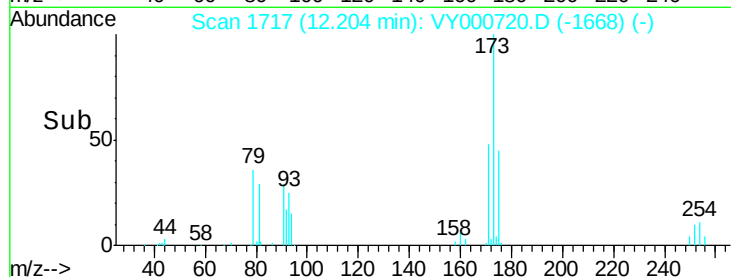
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY000720.D

Acq: 18 Nov 2019 12:44

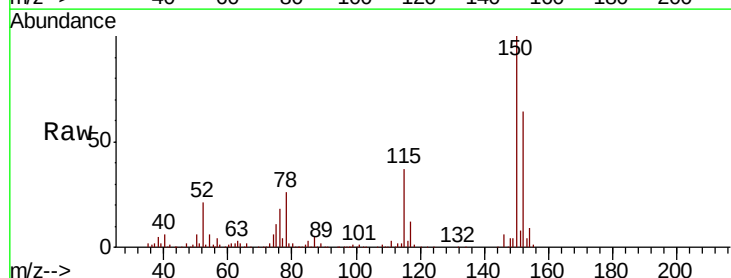
Tgt Ion:152 Resp: 166511

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.4

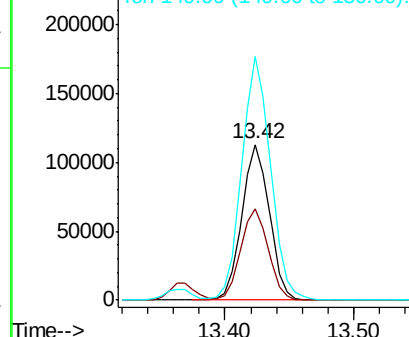
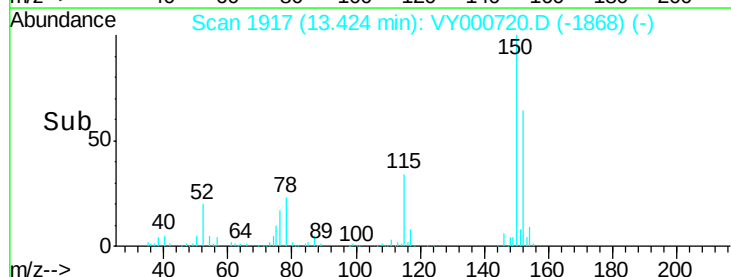
150 163.7 0.0 348.8

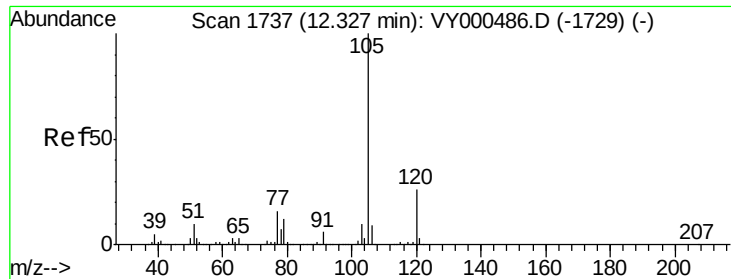


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





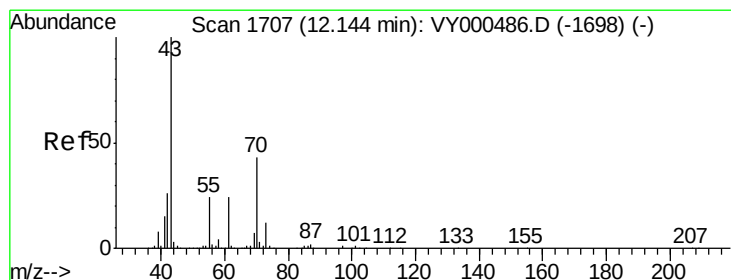
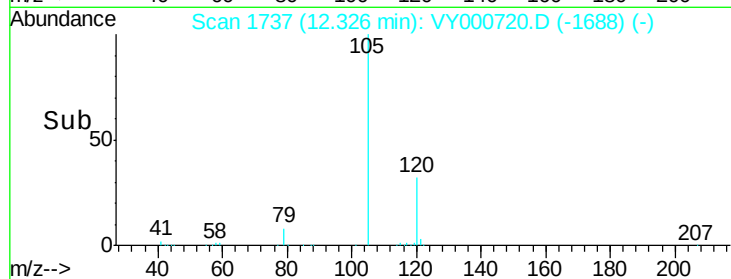
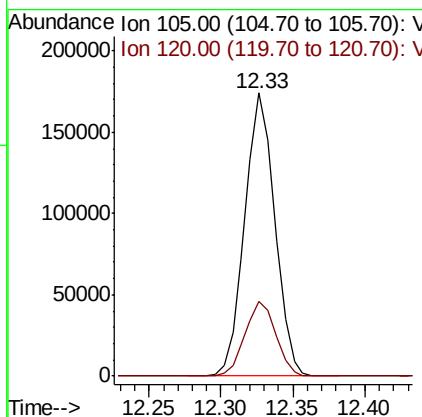
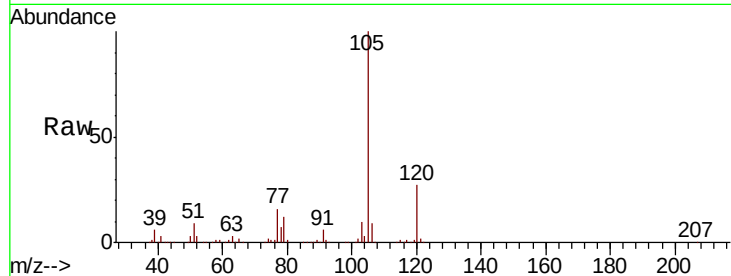
#73
Isopropylbenzene
Concen: 20.487 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	252117		
120	27.0	13.5	40.4	

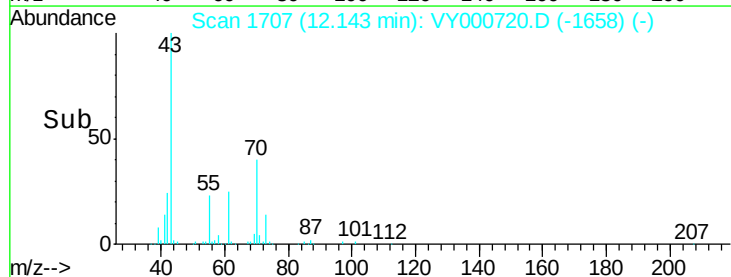
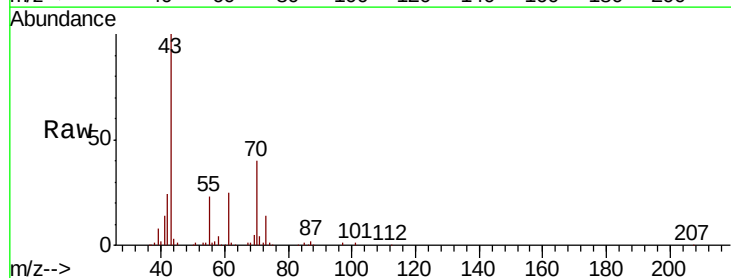
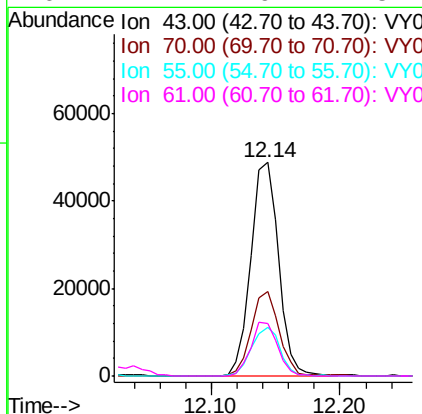
Manual Integrations
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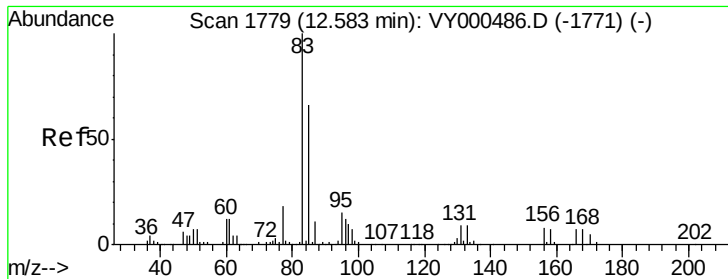
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#74
N-ethyl acetate
Concen: 20.570 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	72501		
70	39.6	33.1	49.7	
55	23.4	18.0	27.0	
61	24.4	19.1	28.7	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.898 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

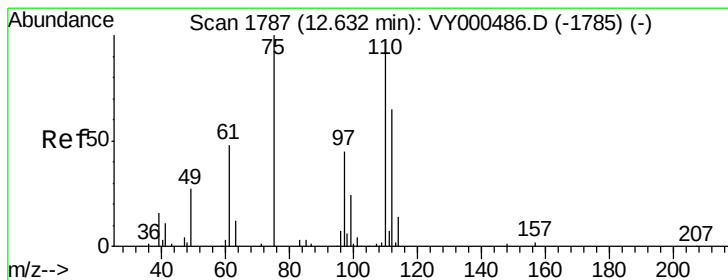
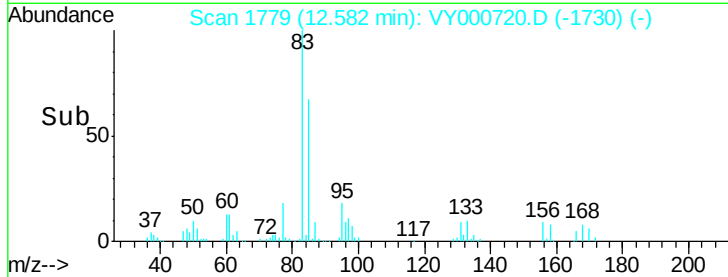
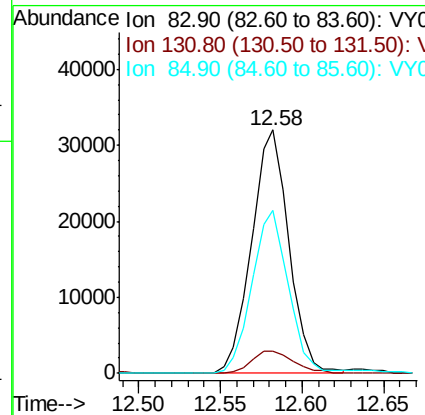
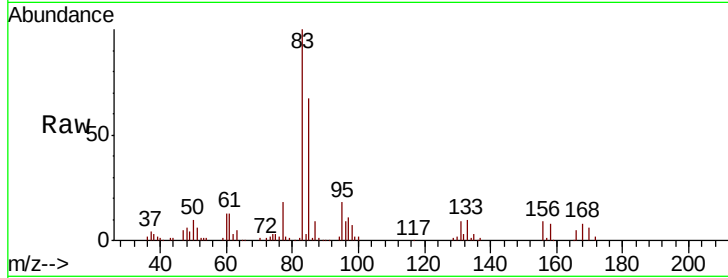
ClientSampleId :

VY1118SBS01

Tot Ion:	83	Resp:	50921
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.405 ug/l m

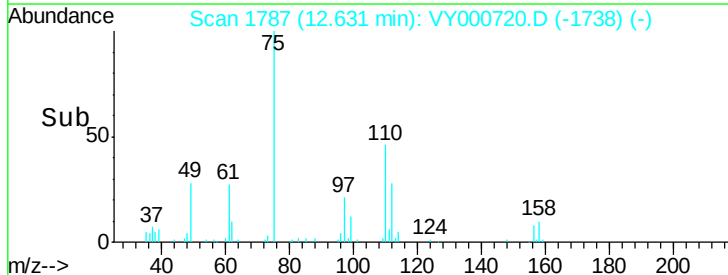
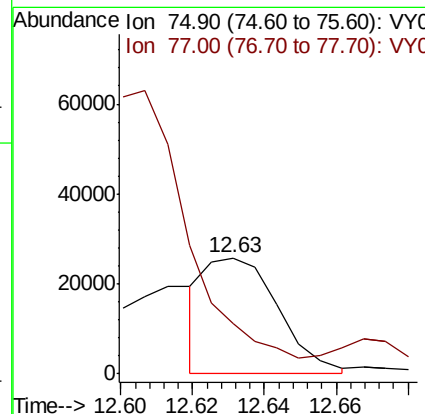
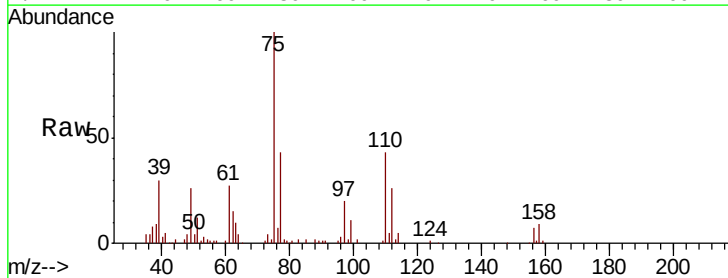
RT: 12.63 min Scan# 1787

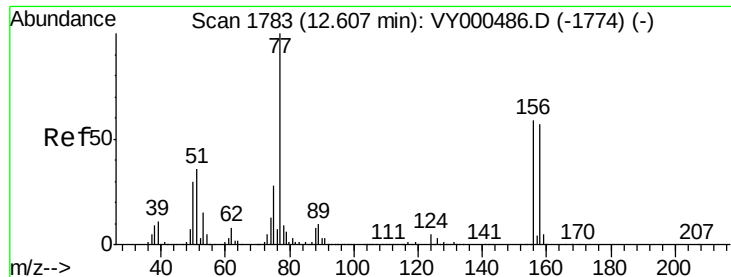
Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	75	Resp:	36791
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:156 Resp: 56484

Ion Ratio Lower Upper

156 100

77 205.0 98.2 294.4

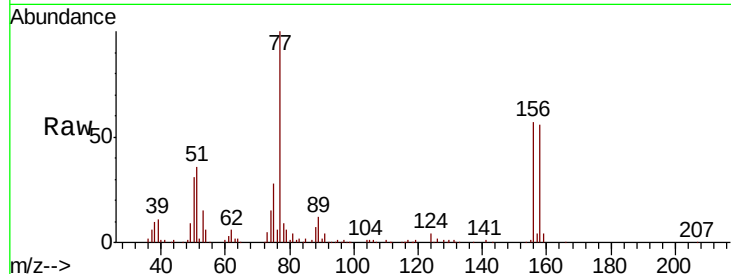
158 97.4 49.6 149.0

Manual Integrations

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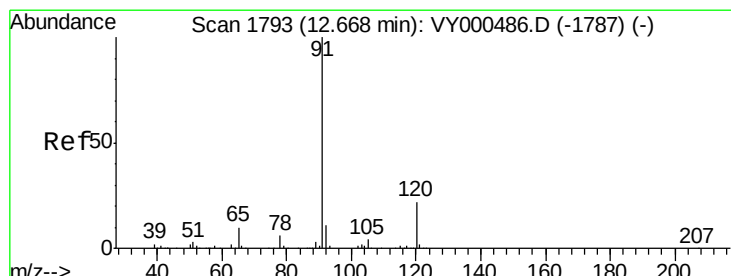
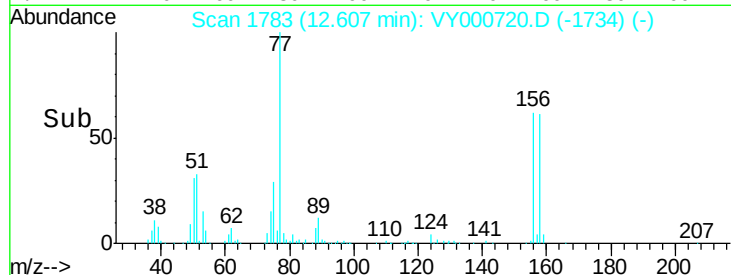
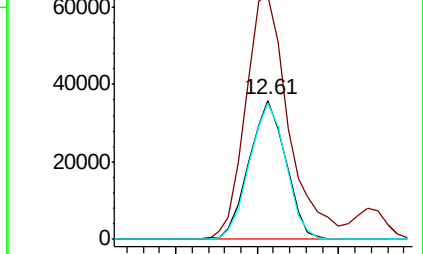
11/19/2019 12:21:36 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.015 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000720.D

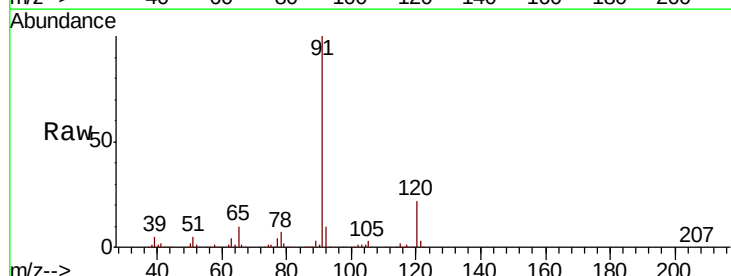
Acq: 18 Nov 2019 12:44

Tgt Ion: 91 Resp: 312044

Ion Ratio Lower Upper

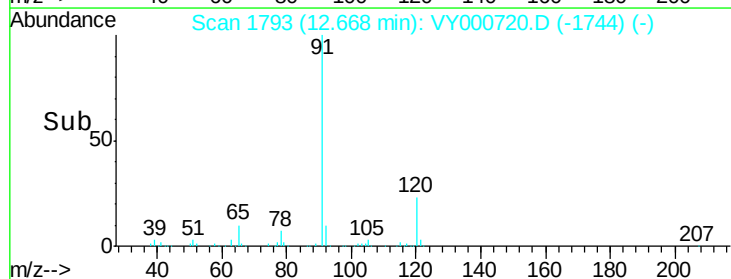
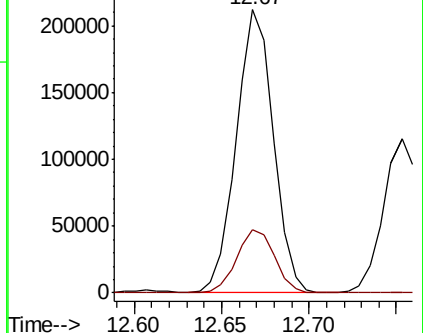
91 100

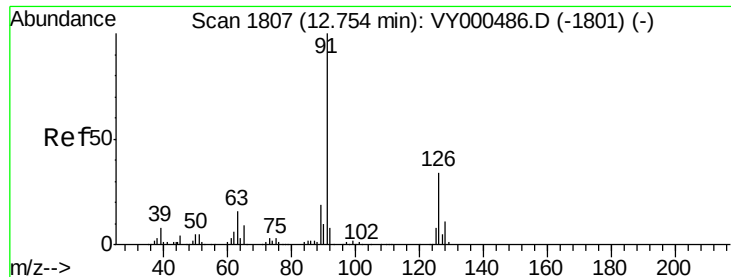
120 22.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.022 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 91 Resp: 173295

Ion Ratio Lower Upper

91 100

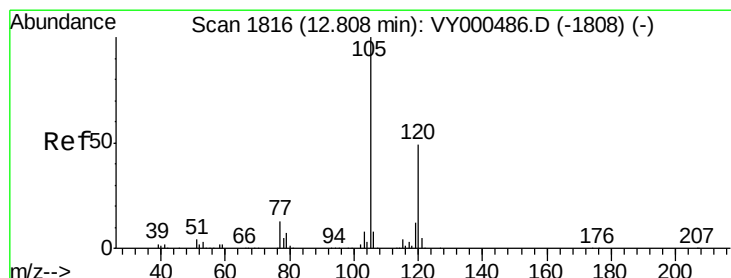
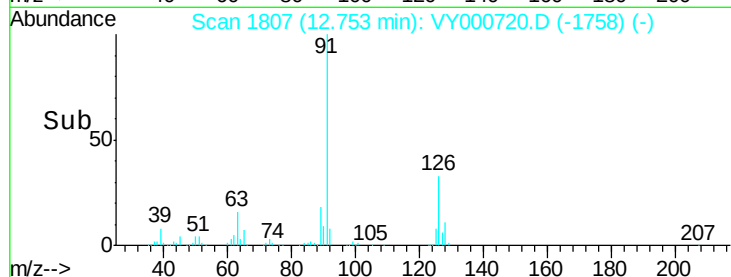
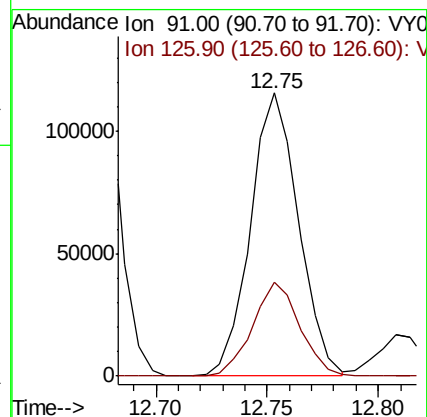
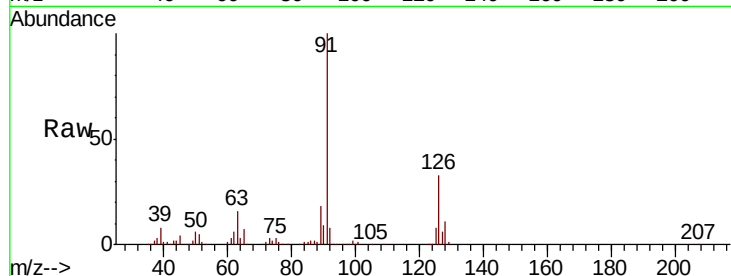
126 32.8 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.727 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000720.D

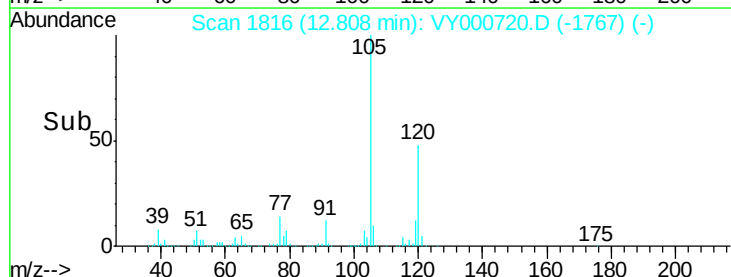
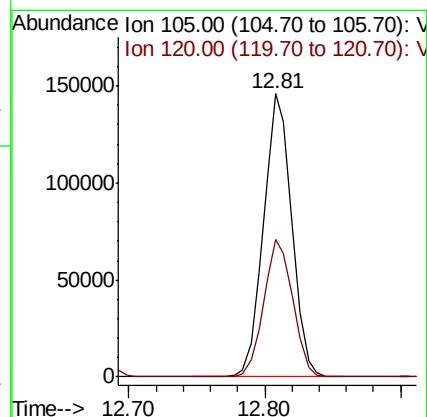
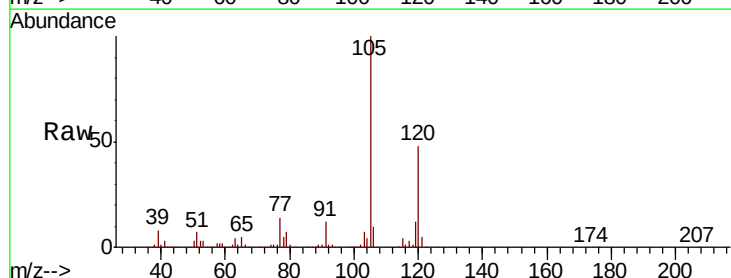
Acq: 18 Nov 2019 12:44

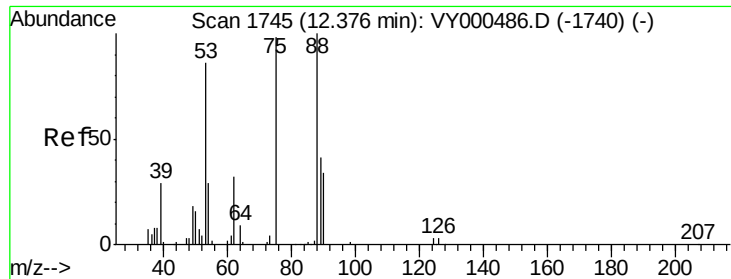
Tgt Ion: 105 Resp: 212440

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.338 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 75 Resp: 17198

Ion Ratio Lower Upper

75 100

53 99.5 73.2 109.8

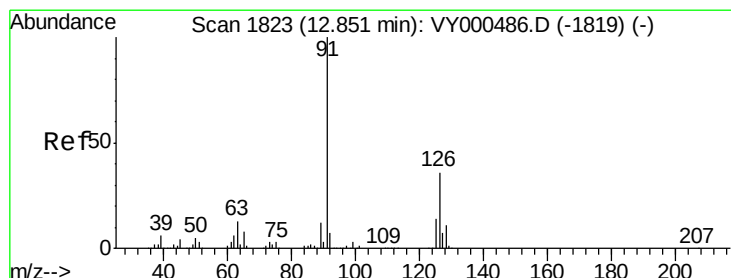
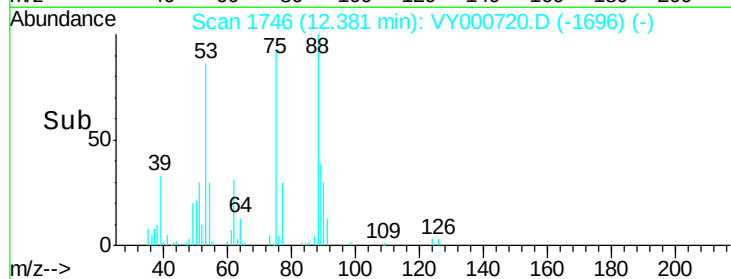
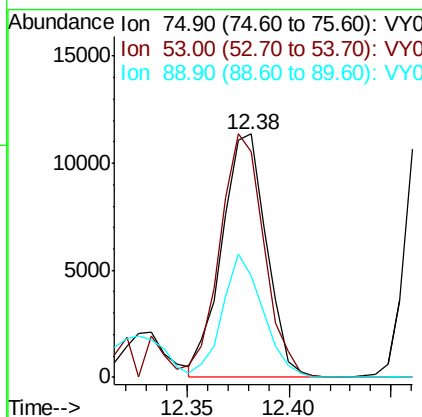
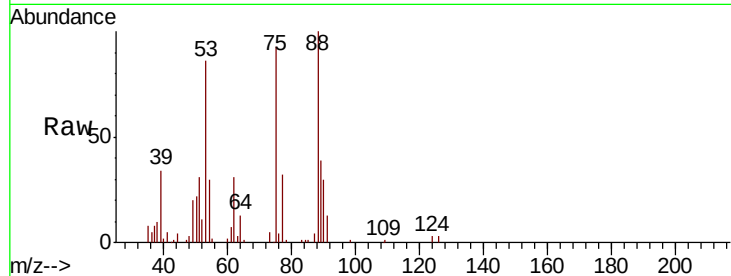
89 45.8 35.9 53.9

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.670 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000720.D

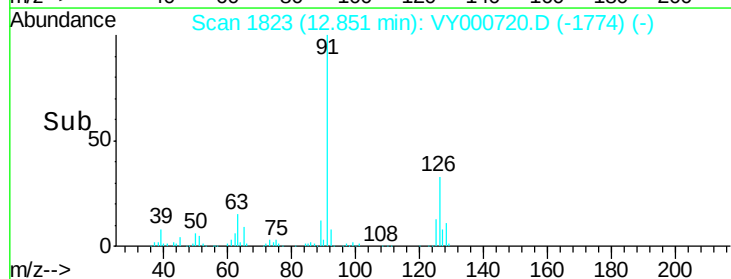
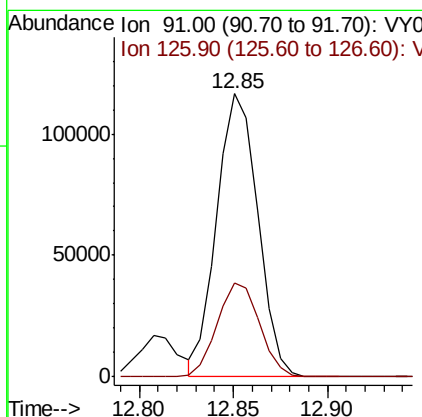
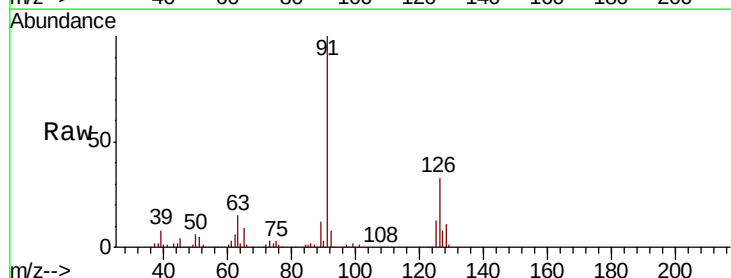
Acq: 18 Nov 2019 12:44

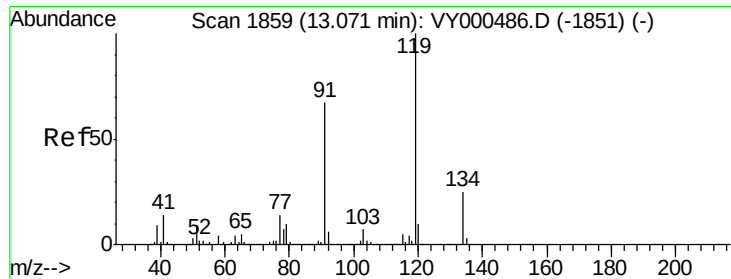
Tgt Ion: 91 Resp: 176626

Ion Ratio Lower Upper

91 100

126 34.1 17.6 52.9





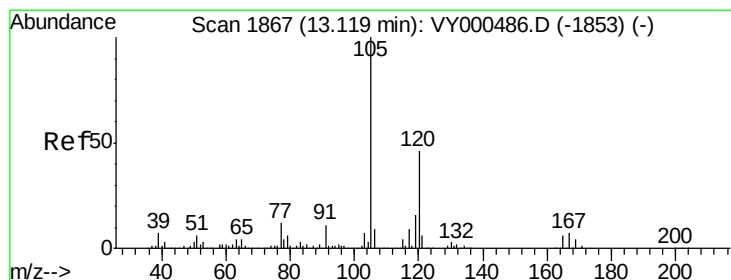
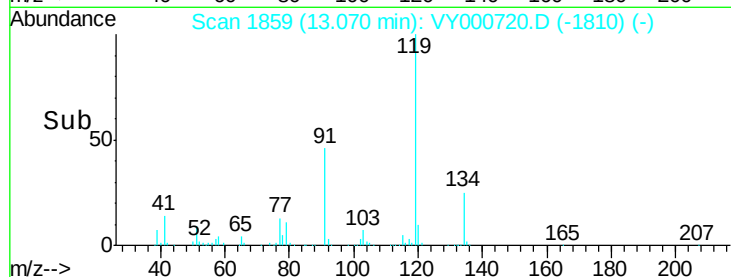
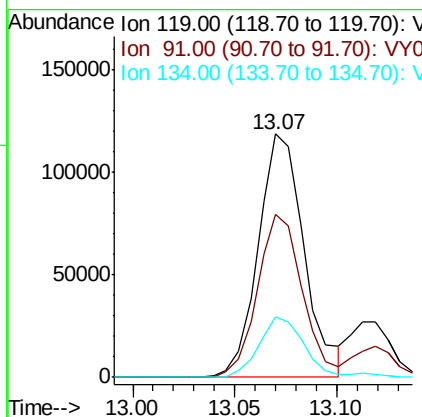
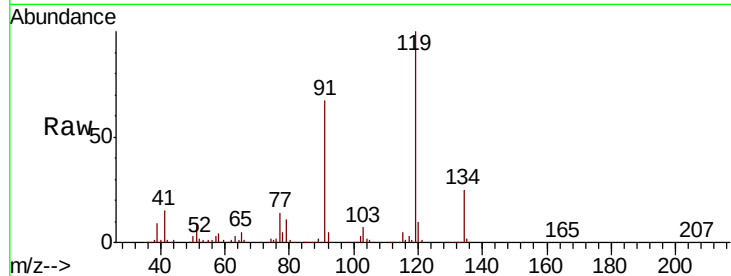
#83
tert-Butylbenzene
Concen: 21.281 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.3
134	25.4	13.2	39.5

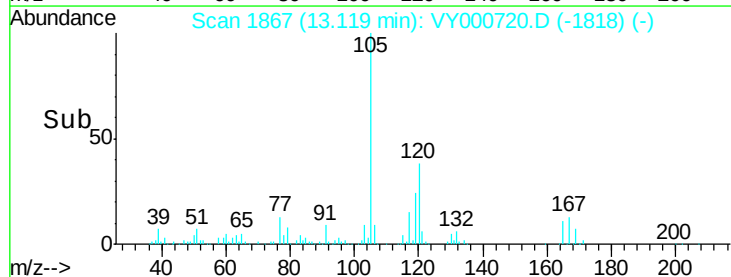
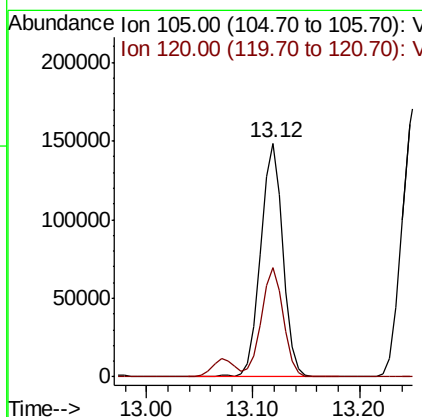
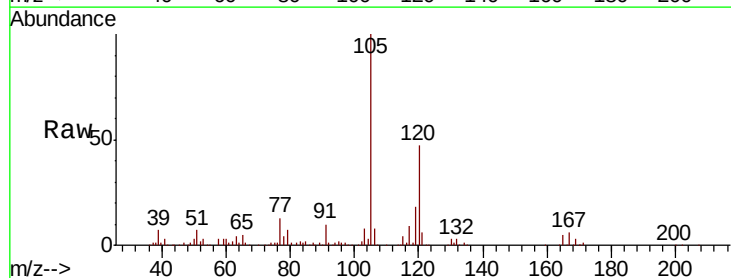
Manual Integrations
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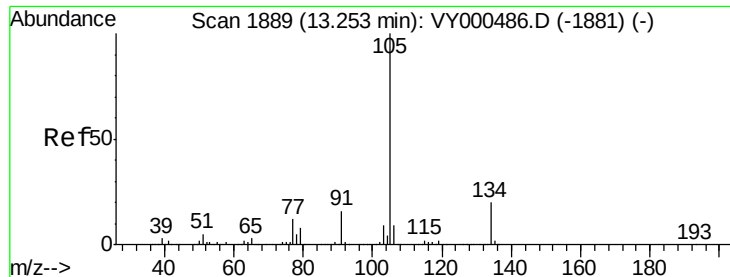
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#84
1,2,4-Trimethylbenzene
Concen: 21.310 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.085 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:105 Resp: 262891

Ion Ratio Lower Upper

105 100

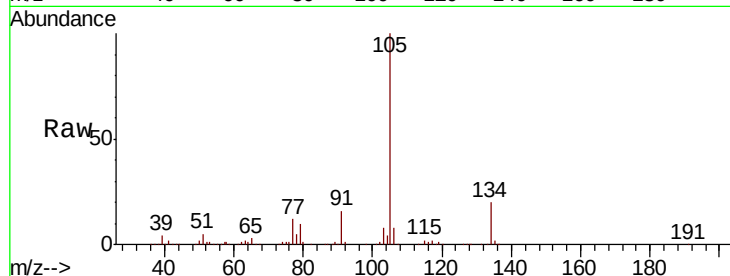
134 20.2 10.1 30.1

Manual Integrations

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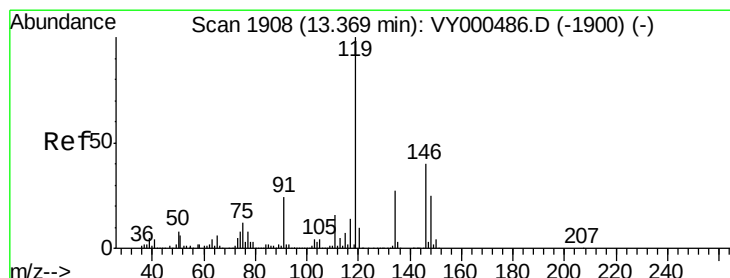
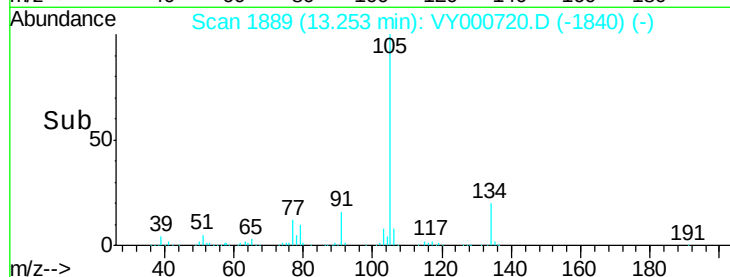
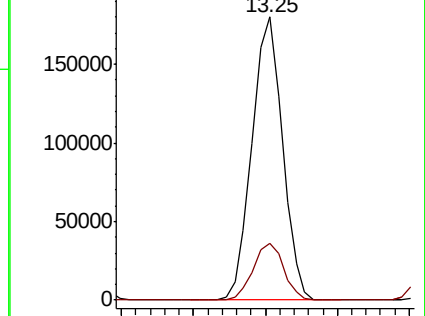
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.039 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

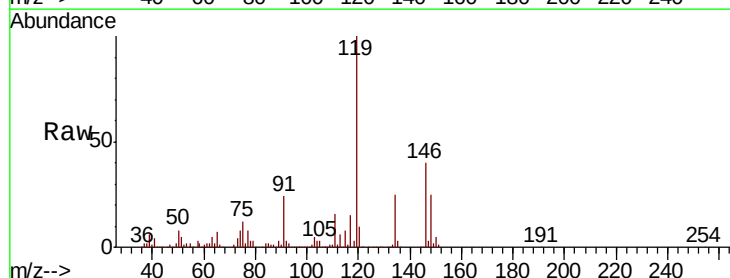
Tgt Ion:119 Resp: 233794

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

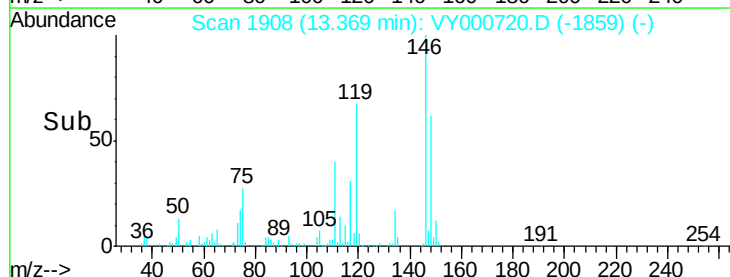
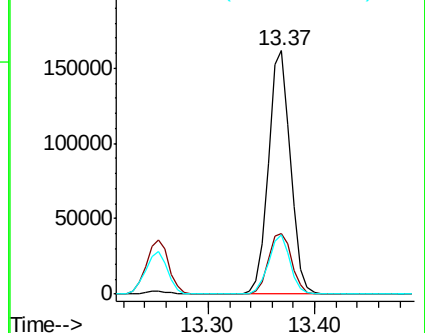
91 23.8 12.0 36.1

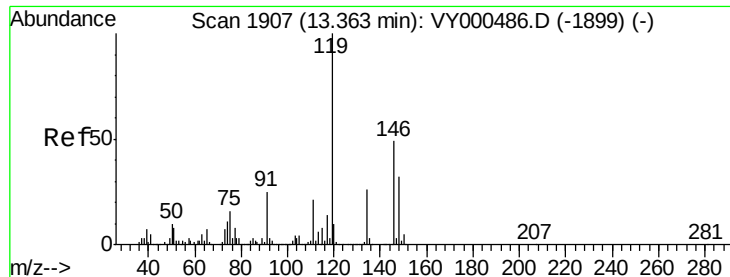


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





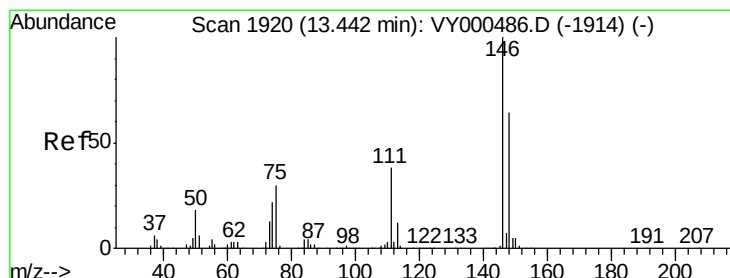
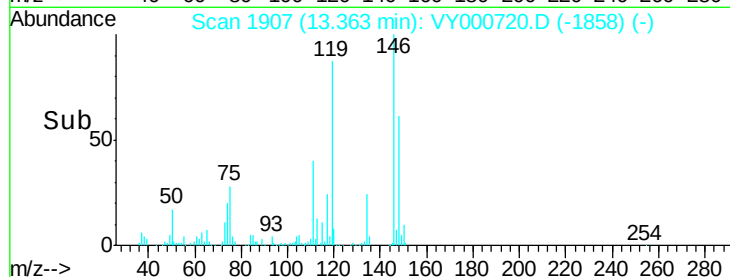
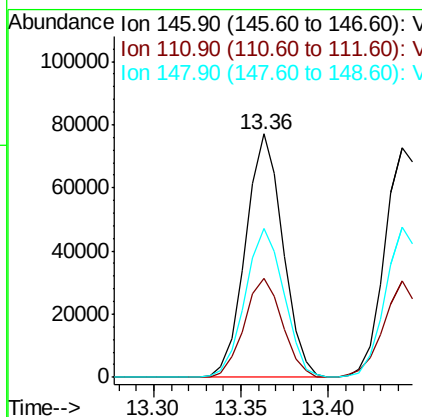
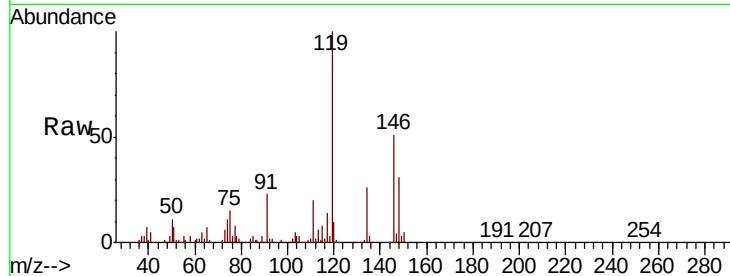
#87
 1,3-Dichlorobenzene
 Concen: 20.886 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	63.5	31.5	94.5

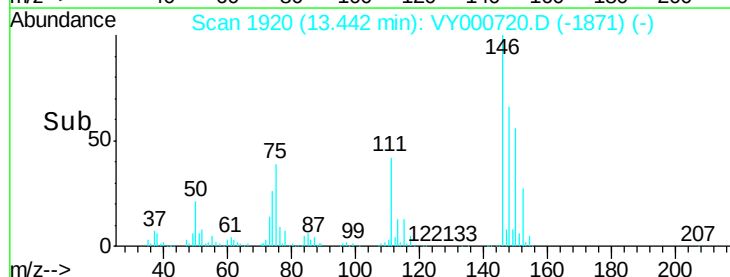
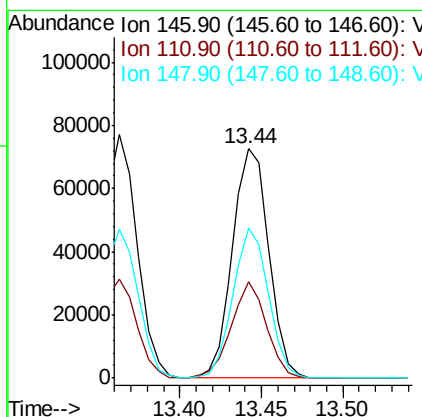
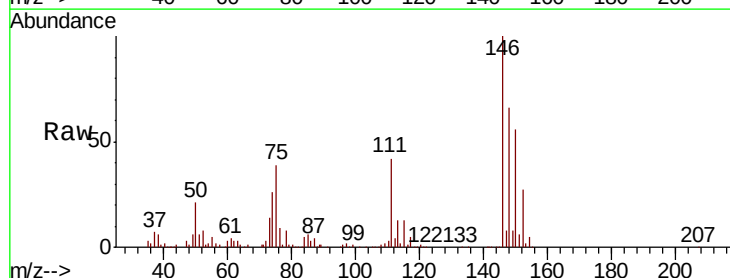
Manual Integrations
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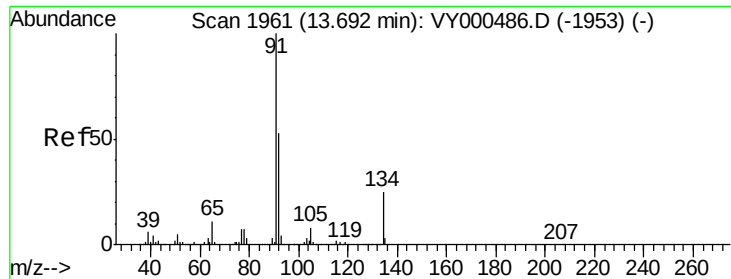
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#88
 1,4-Dichlorobenzene
 Concen: 20.663 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.0
148	63.9	31.9	95.7





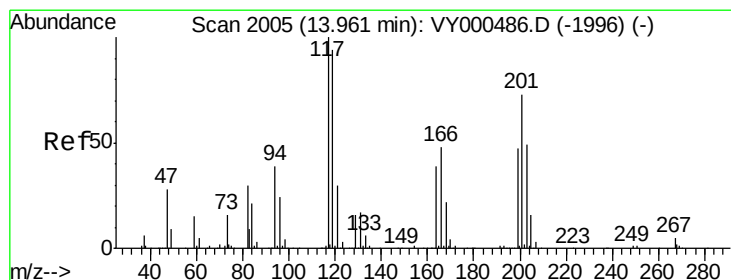
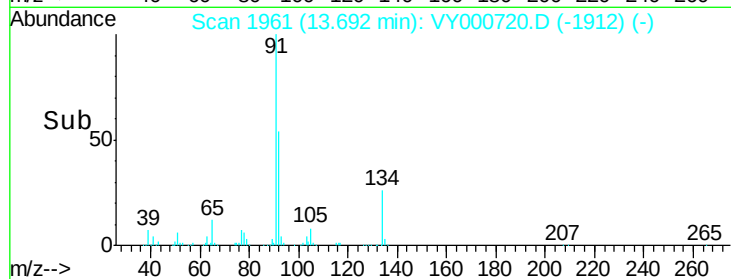
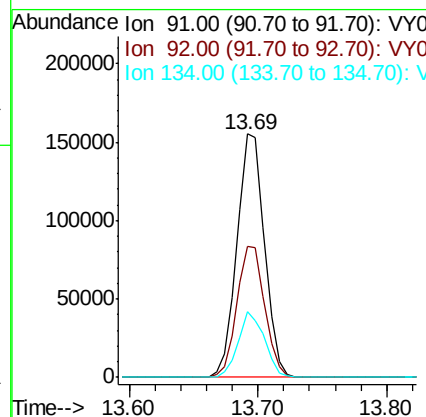
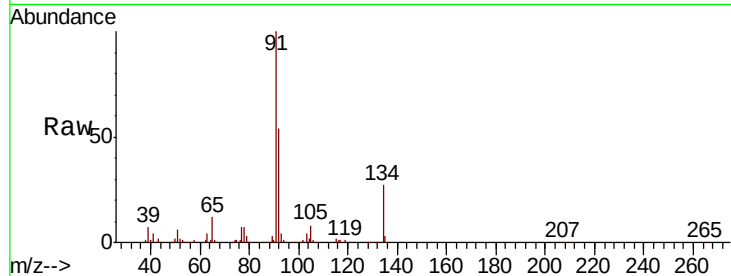
#89
n-Butylbenzene
Concen: 21.121 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.8	80.3
134	25.7	12.9	38.7

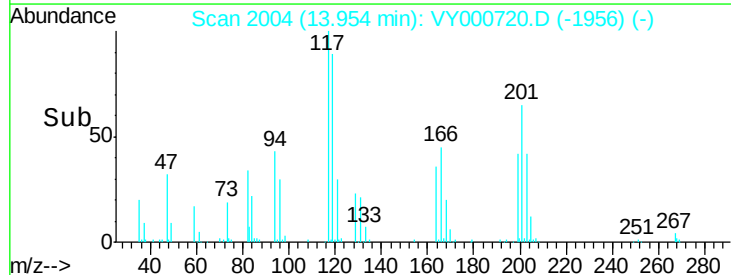
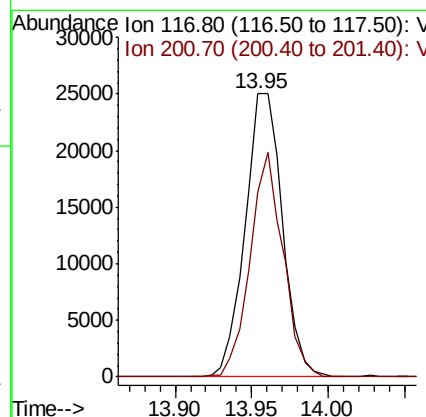
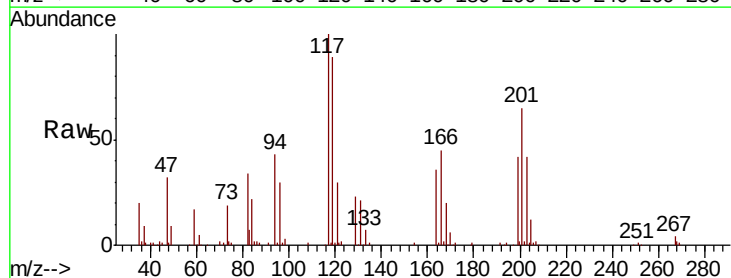
Manual Integrations
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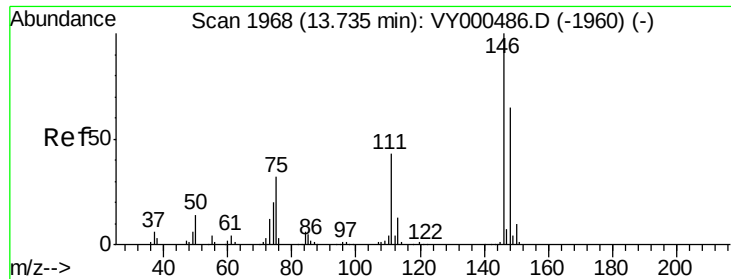
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#90
Hexachloroethane
Concen: 20.630 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000720.D
Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	35.8	107.3





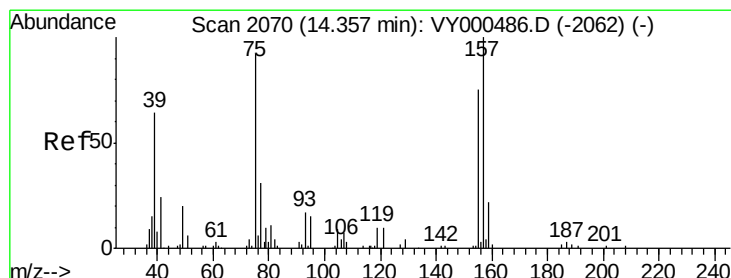
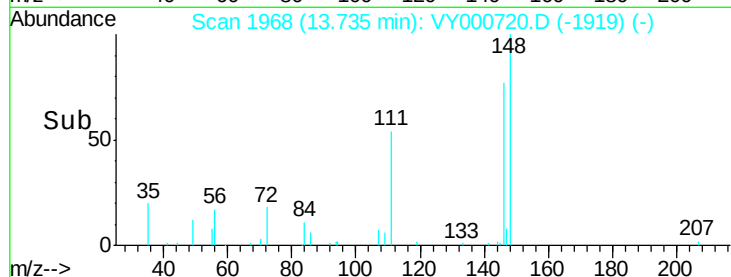
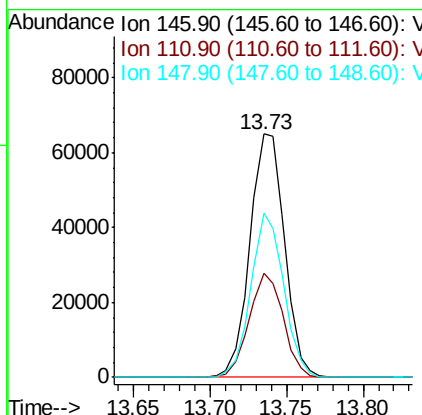
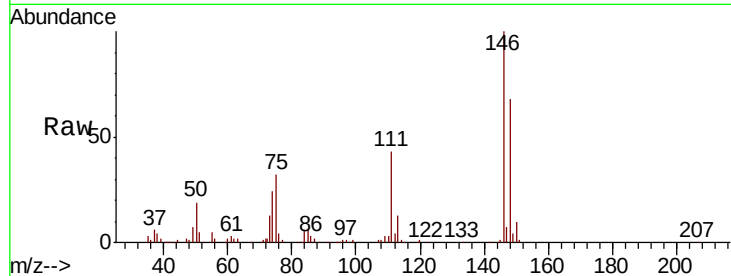
#91
 1,2-Dichlorobenzene
 Concen: 20.684 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.5
148	64.1	31.7	95.1

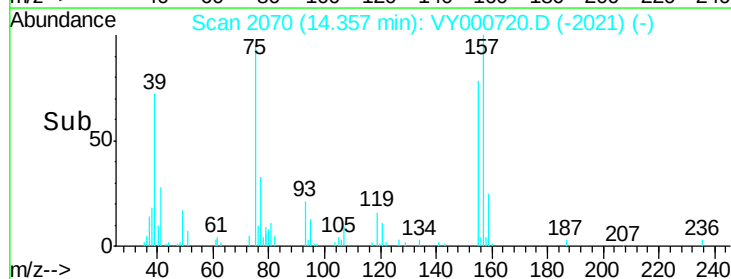
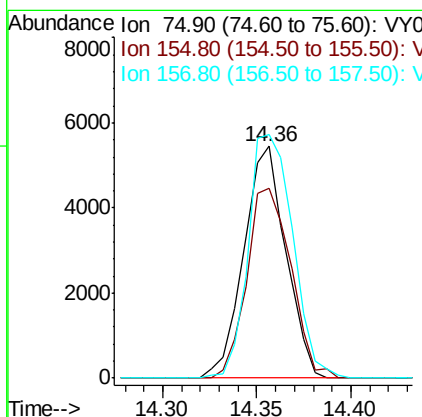
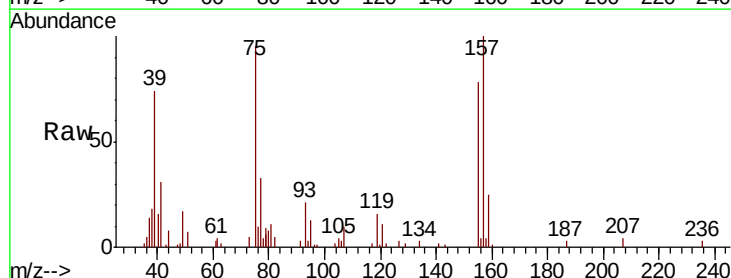
Manual Integrations
 APPROVED

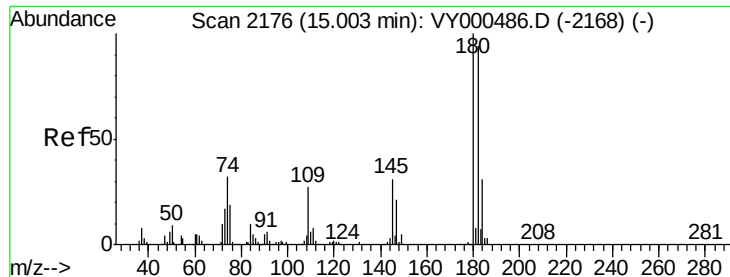
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 11/19/2019 12:21:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.553 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	42.4	127.1
157	111.1	55.1	165.3





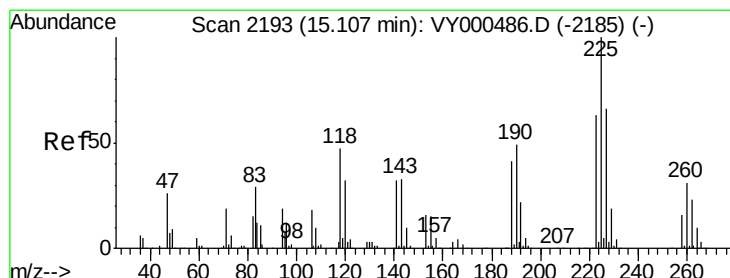
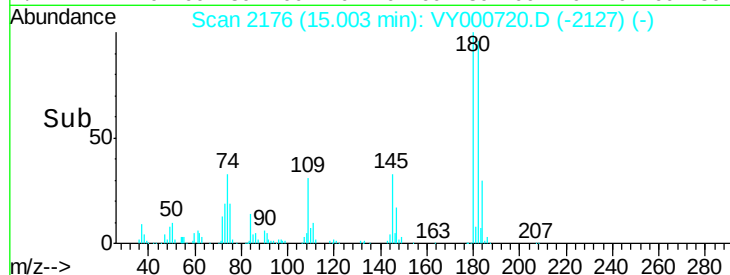
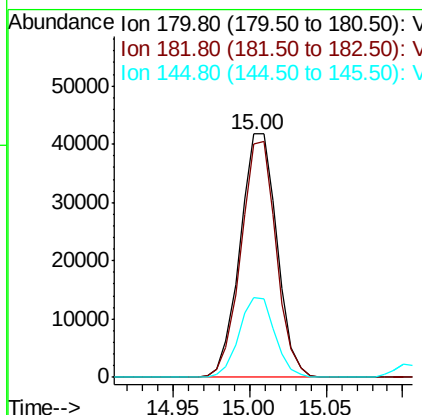
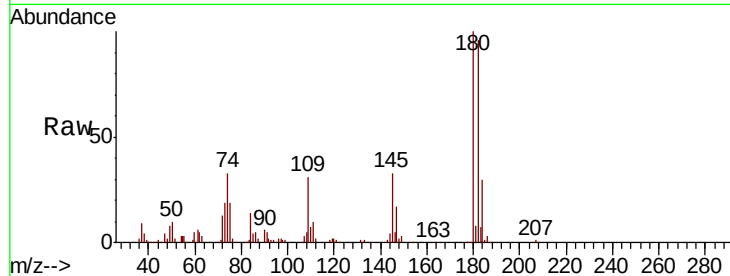
#93
 1,2,4-Trichlorobenzene
 Concen: 20.635 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.4
145	31.9	16.0	47.9

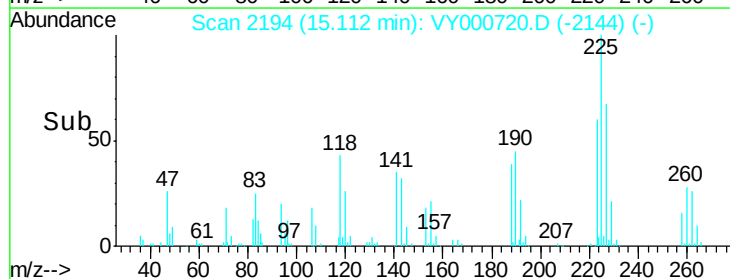
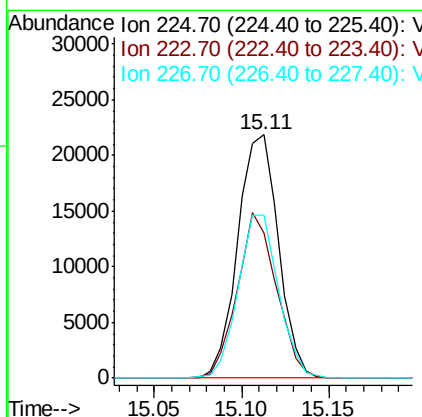
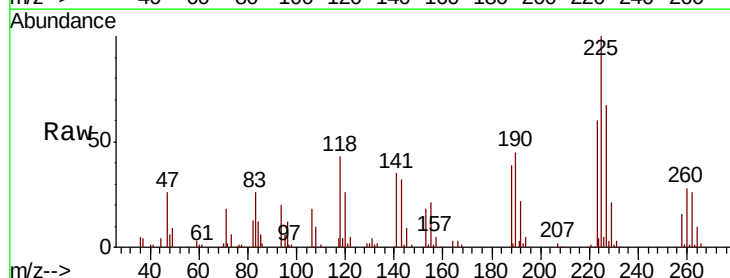
Manual Integrations
 APPROVED

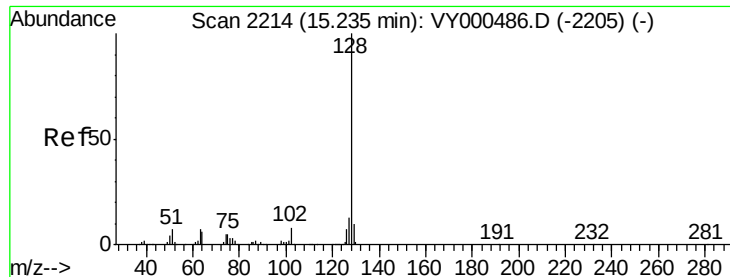
MMDADODA
 11/19/2019 12:21:36 PM



#94
 Hexachlorobutadiene
 Concen: 20.343 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000720.D
 Acq: 18 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.3	93.8
227	66.9	32.4	97.0





#95

Naphthalene

Concen: 20.708 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Instrument :

MSVOA_Y

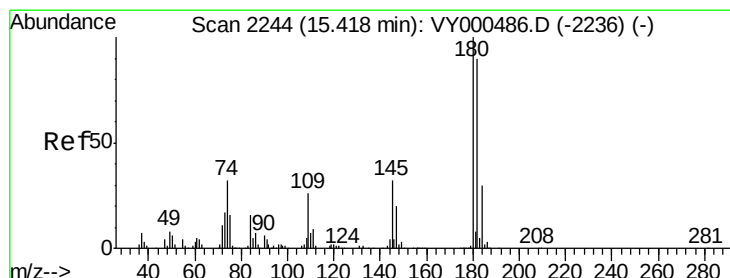
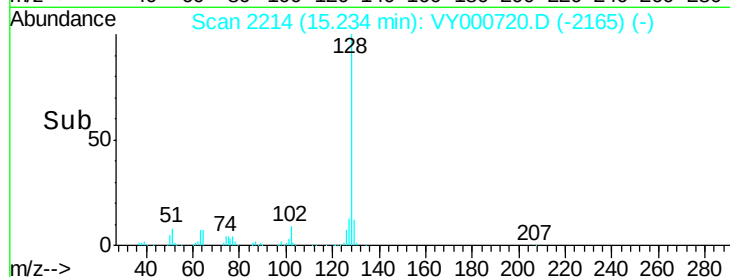
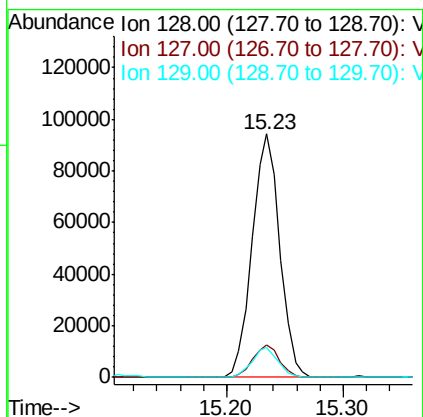
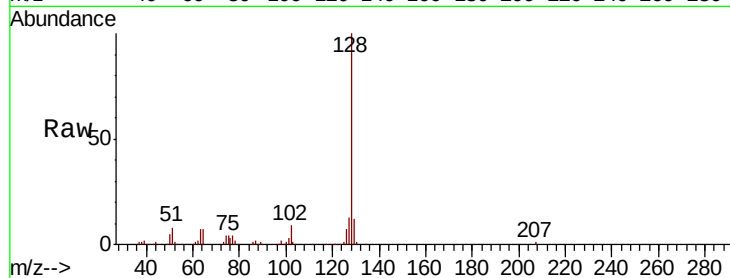
ClientSampleId :

VY1118SBS01

Tot Ion:	128	Resp:	155235
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.8	14.6
129	11.7	8.7	13.1

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.496 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000720.D

Acq: 18 Nov 2019 12:44

Tgt Ion:	180	Resp:	65126
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.4	142.3
145	30.8	15.7	47.0

