

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000147.D
 Acq On : 26 Sep 2019 12:19
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:05 AM

Quant Time: Sep 26 14:23:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	198764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	316739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	253015	145.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.70%	
35) Dibromofluoromethane	7.72	113	252283	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	10.18	98	1073759	152.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.94%	
62) 4-Bromofluorobenzene	12.48	95	349745	136.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	188772	119.475	ug/l	96
3) Chloromethane	2.11	50	283466	122.948	ug/l	97
4) Vinyl Chloride	2.24	62	336727	135.938	ug/l	98
5) Bromomethane	2.61	94	209381	125.356	ug/l	97
6) Chloroethane	2.77	64	209999	136.562	ug/l	97
7) Trichlorofluoromethane	3.12	101	403980	135.302	ug/l	98
8) Diethyl Ether	3.52	74	158842	133.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	263727	135.317	ug/l	98
10) Methyl Iodide	4.08	142	451154	150.133	ug/l	99
11) Tert butyl alcohol	4.98	59	107229	616.592	ug/l	95
12) 1,1-Dichloroethene	3.86	96	278526	136.274	ug/l	98
13) Acrolein	3.72	56	158428	733.565	ug/l	95
14) Allyl chloride	4.47	41	359017	140.371	ug/l	98
15) Acrylonitrile	5.17	53	367079	678.051	ug/l	99
17) Carbon Disulfide	4.19	76	852431	134.455	ug/l	99
18) Methyl Acetate	4.48	43	170530	135.093	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	657890	135.966	ug/l	93
20) Methylene Chloride	4.71	84	295423	119.930	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	308625	135.528	ug/l	92
22) Diisopropyl ether	6.11	45	765806	142.475	ug/l	95
23) Vinyl Acetate	6.07	43	2503104	743.080	ug/l	99
24) 1,1-Dichloroethane	6.02	63	449038	138.004	ug/l	99
25) 2-Butanone	6.99	43	458873	686.659	ug/l	96
26) 2,2-Dichloropropane	6.98	77	397837	134.468	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	342841	135.469	ug/l	97
28) Bromochloromethane	7.33	49	189224	152.642	ug/l	98
29) Tetrahydrofuran	7.35	42	287355	697.520	ug/l	96
30) Chloroform	7.51	83	463448	136.090	ug/l	97
31) Cyclohexane	7.78	56	433800	128.956	ug/l	97
32) 1,1,1-Trichloroethane	7.70	97	417129	139.691	ug/l	99
36) 1,1-Dichloropropene	7.92	75	374337	142.216	ug/l	100
37) Ethyl Acetate	7.08	43	190940	137.321	ug/l	99
38) Carbon Tetrachloride	7.90	117	380858	148.216	ug/l	98
39) Methylcyclohexane	9.18	83	535460	143.425	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.16	78	1181988	142.157	ug/l	100
41) Methacrylonitrile	7.33	41	105820m	140.359	ug/l	
42) 1,2-Dichloroethane	8.24	62	292145	144.408	ug/l	99
43) Isopropyl Acetate	8.28	43	374987	145.994	ug/l	98
44) Trichloroethene	8.94	130	371561	139.839	ug/l	95
45) 1,2-Dichloropropane	9.22	63	267813	146.011	ug/l	94
46) Dibromomethane	9.31	93	156698	139.985	ug/l	96
47) Bromodichloromethane	9.50	83	368868	146.193	ug/l	92
48) Methyl methacrylate	9.30	41	166621	144.869	ug/l	95
49) 1,4-Dioxane	9.30	88	49164	2842.808	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	955401	716.644	ug/l	99
52) Toluene	10.24	92	765984	142.250	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	388367	146.531	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	451001	143.586	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	234244	140.734	ug/l	97
56) Ethyl methacrylate	10.51	69	312511	144.341	ug/l	99
57) 1,3-Dichloropropane	10.79	76	375539	140.404	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	788325	775.206	ug/l	98
59) 2-Hexanone	10.83	43	678403	715.979	ug/l	100
60) Dibromochloromethane	10.99	129	271369	144.227	ug/l	99
61) 1,2-Dibromoethane	11.09	107	222580	140.136	ug/l	100
64) Tetrachloroethene	10.72	164	396427	143.947	ug/l	97
65) Chlorobenzene	11.51	112	822091	142.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	281089	143.782	ug/l	99
67) Ethyl Benzene	11.59	91	1411961	142.774	ug/l	98
68) m/p-Xylenes	11.70	106	1126414	281.750	ug/l	96
69) o-Xylene	12.02	106	538631	141.263	ug/l	99
70) Stvrene	12.04	104	936328	145.103	ug/l	99
71) Bromoform	12.20	173	171857	149.596	ug/l	# 98
73) Isopropylbenzene	12.33	105	1392550	143.952	ug/l	99
74) N-amyl acetate	12.14	43	349746	149.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	203105	134.884	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	162006m	122.671	ug/l	
77) Bromobenzene	12.61	156	333651	139.615	ug/l	98
78) n-propylbenzene	12.67	91	1641693	142.362	ug/l	100
79) 2-Chlorotoluene	12.75	91	886029	141.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1137907	141.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	98209	145.039	ug/l	98
82) 4-Chlorotoluene	12.85	91	934889	143.005	ug/l	98
83) tert-Butylbenzene	13.07	119	970878	140.103	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	1138649	140.016	ug/l	99
85) sec-Butylbenzene	13.25	105	1411822	141.903	ug/l	99
86) p-Isopropyltoluene	13.36	119	1243855	140.390	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	621096	135.641	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	639582	140.320	ug/l	100
89) n-Butylbenzene	13.69	91	1208897	143.574	ug/l	99
90) Hexachloroethane	13.95	117	238726	142.621	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	581298	138.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	42806	144.077	ug/l	99
93) 1,2,4-Trichlorobenzene	15.00	180	407473	140.378	ug/l	100

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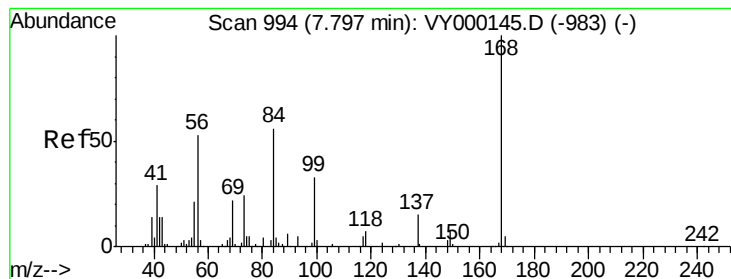
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.11	225	206879	146.074	ug/l	98
95) Naphthalene	15.23	128	916698	141.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	368526	141.561	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 198764

Ion Ratio Lower Upper

168 100

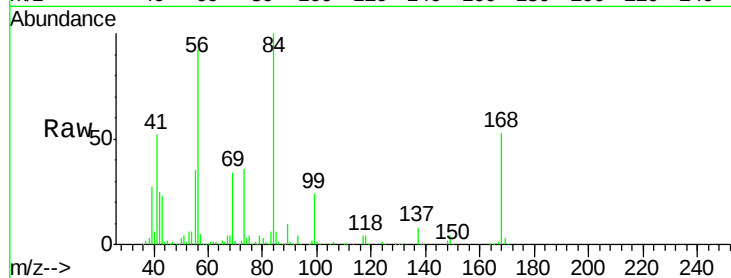
99 45.2 37.9 56.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000145.D (-983) (-)

120000

100000

80000

60000

40000

20000

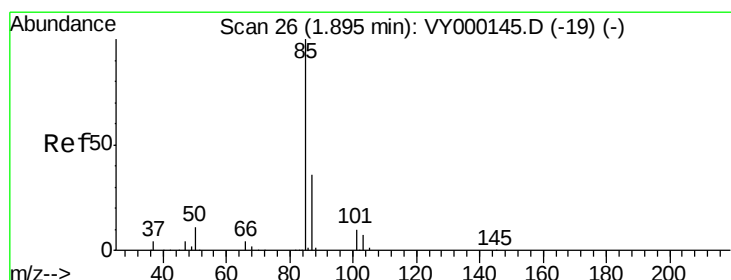
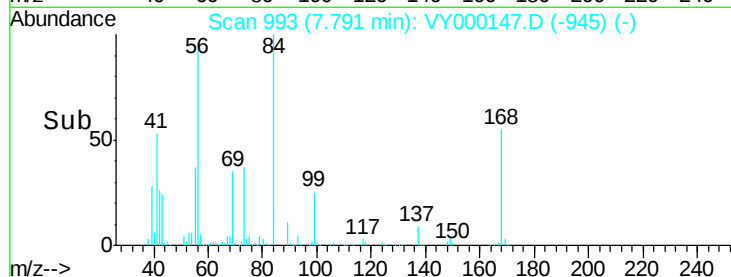
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 119.475 ug/l

RT: 1.90 min Scan# 26

Delta R.T. 0.00 min

Lab File: VY000147.D

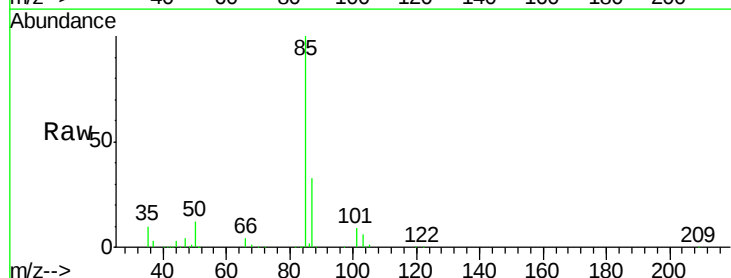
Acq: 26 Sep 2019 12:19

Tgt Ion: 85 Resp: 188772

Ion Ratio Lower Upper

85 100

87 33.5 17.9 53.8



Abundance Ion 84.90 (84.60 to 85.60): VY000145.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY000145.D (-19) (-)

120000

100000

80000

60000

40000

20000

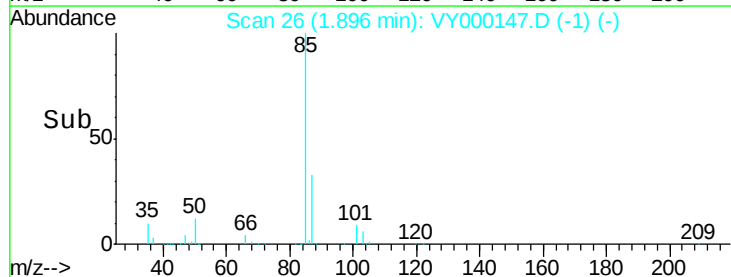
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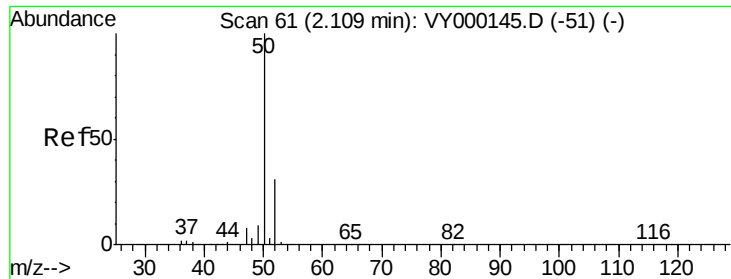
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 122.948 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 283466

Ion Ratio Lower Upper

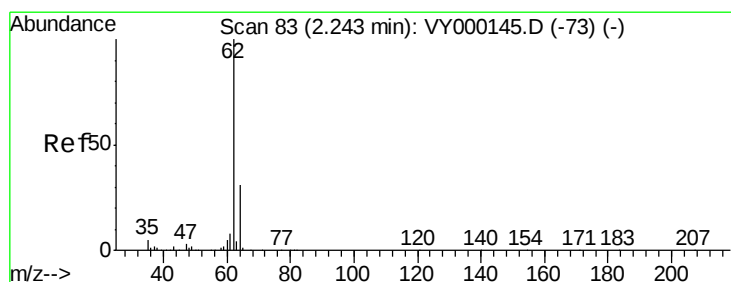
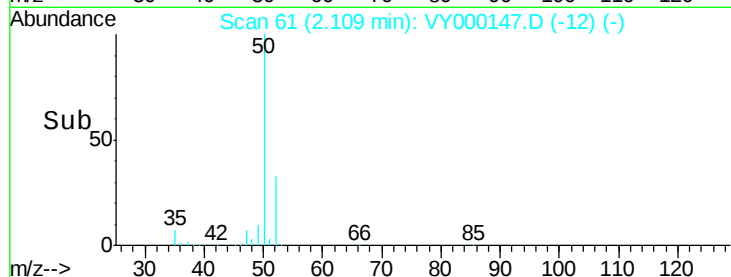
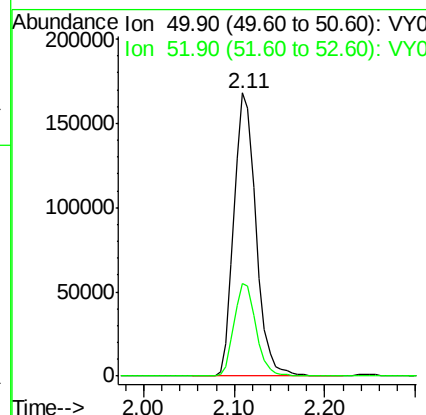
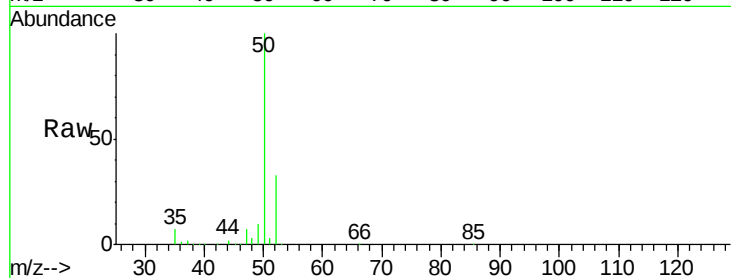
50 100

52 32.9 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 135.938 ug/l

RT: 2.24 min Scan# 83

Delta R.T. 0.00 min

Lab File: VY000147.D

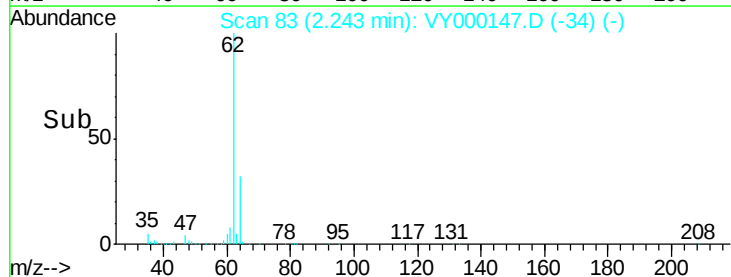
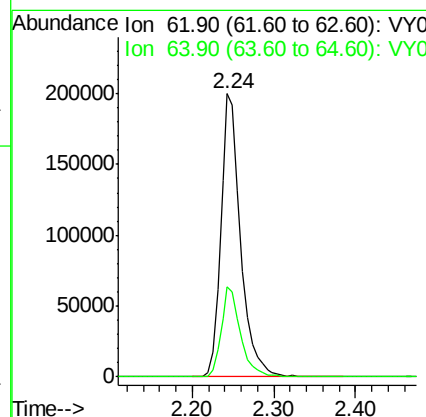
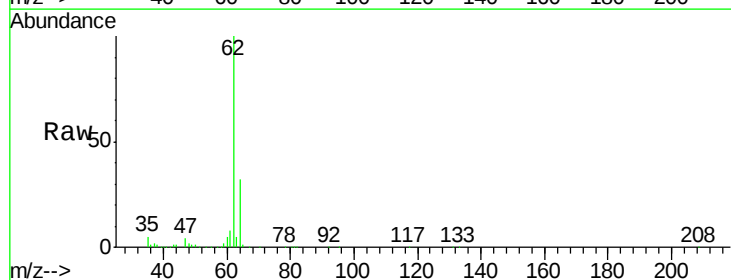
Acq: 26 Sep 2019 12:19

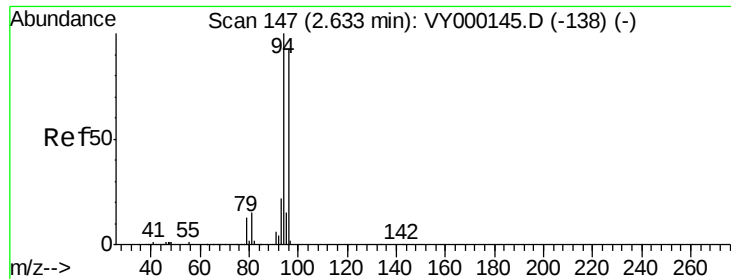
Tgt Ion: 62 Resp: 336727

Ion Ratio Lower Upper

62 100

64 31.7 24.5 36.7





#5

Bromomethane

Concen: 125.356 ug/l

RT: 2.61 min Scan# 143

Delta R.T. -0.02 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 209381

Ion Ratio Lower Upper

94 100

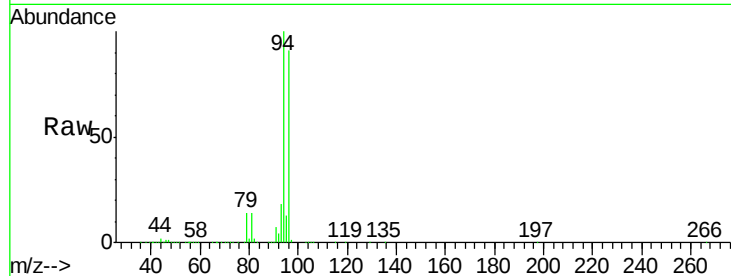
96 90.7 74.6 111.8

Manual Integrations

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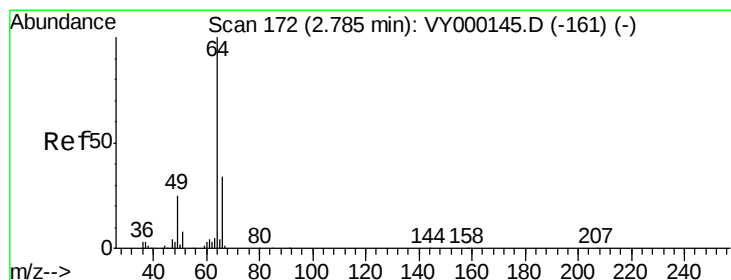
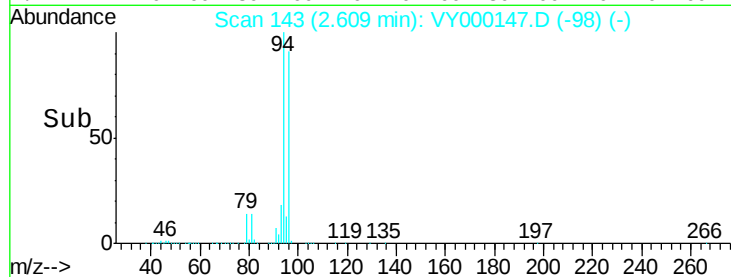
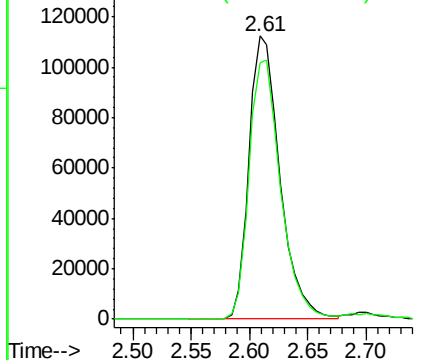
MMDadoda

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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: 136.562 ug/l

RT: 2.77 min Scan# 169

Delta R.T. -0.02 min

Lab File: VY000147.D

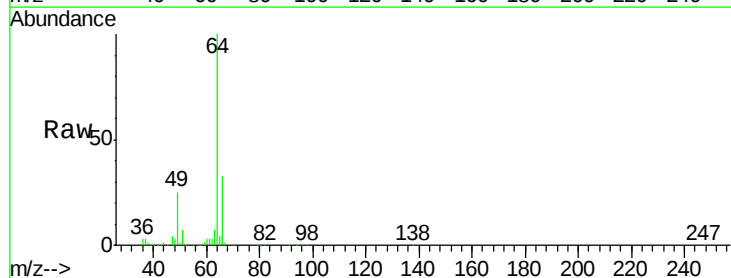
Acq: 26 Sep 2019 12:19

Tgt Ion: 64 Resp: 209999

Ion Ratio Lower Upper

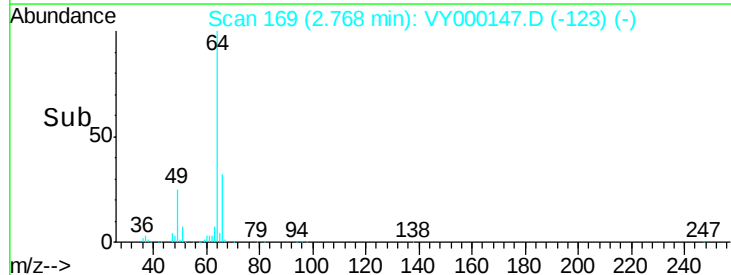
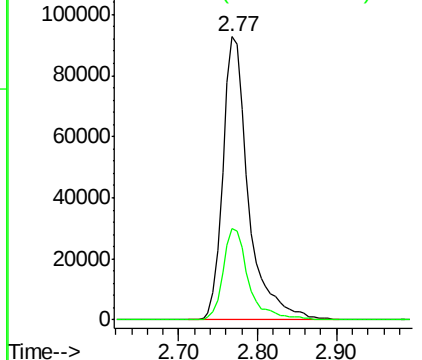
64 100

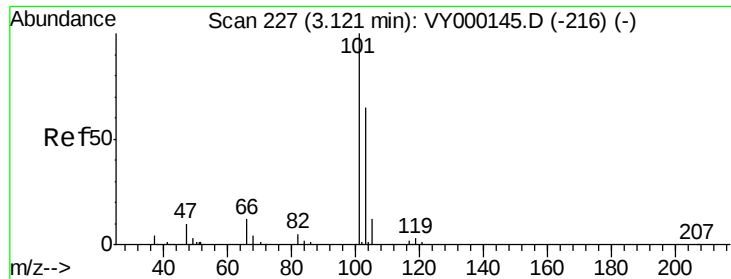
66 32.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

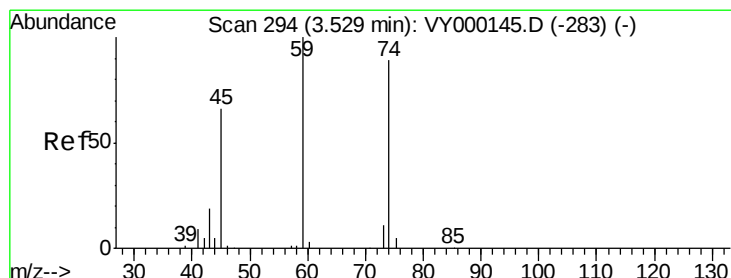
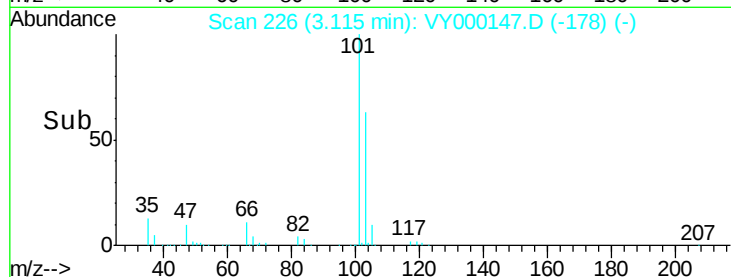
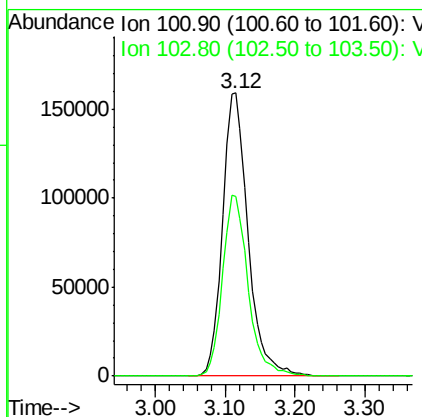
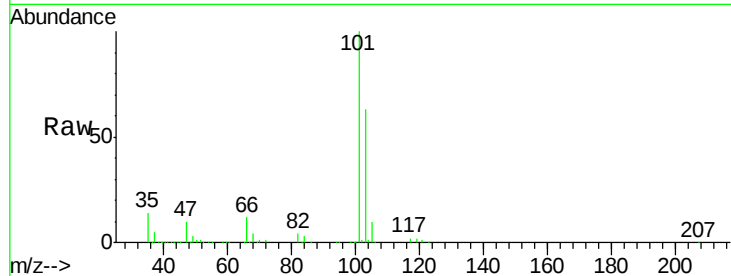
Trichlorofluoromethane
Concen: 135.302 ug/l
RT: 3.12 min Scan# 226
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	403980		
103	63.4	51.9	77.9	

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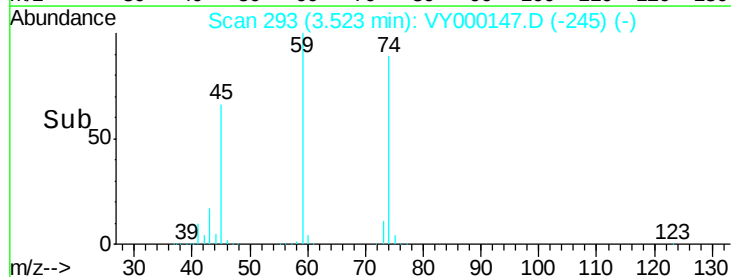
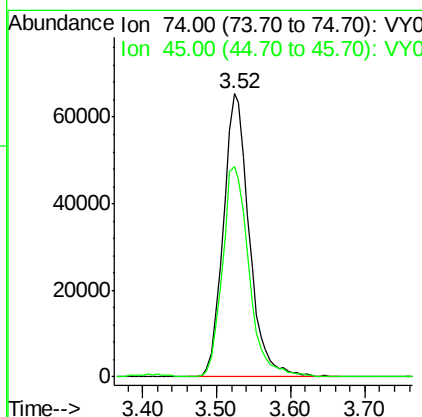
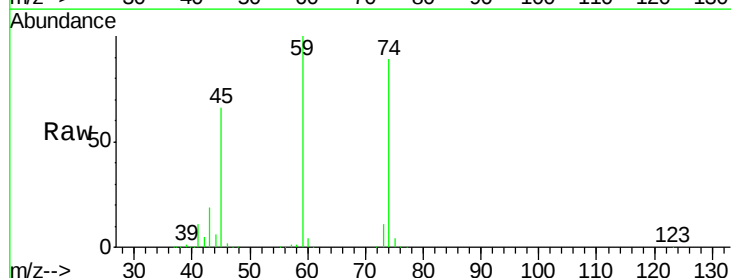
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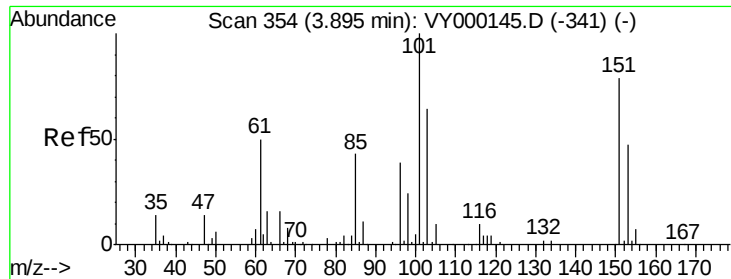


#8

Diethyl Ether
Concen: 133.436 ug/l
RT: 3.52 min Scan# 293
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	158842		
45	76.4	37.7	113.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.317 ug/l

RT: 3.89 min Scan# 353

Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

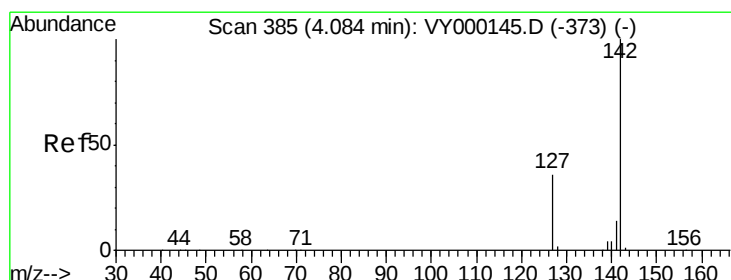
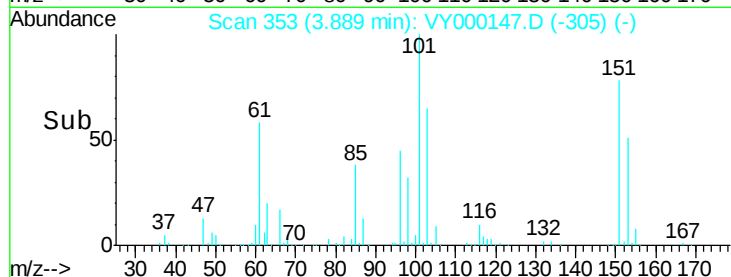
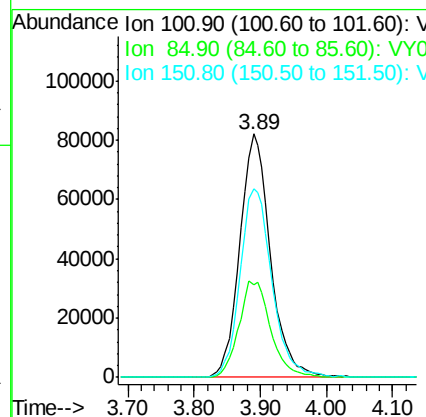
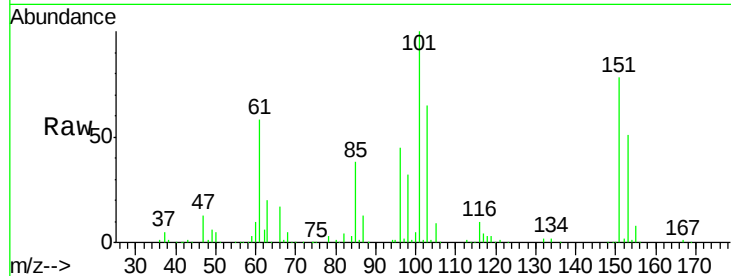
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	263727
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.8	52.2
151	80.7	64.0	96.0

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#10

Methyl Iodide

Concen: 150.133 ug/l

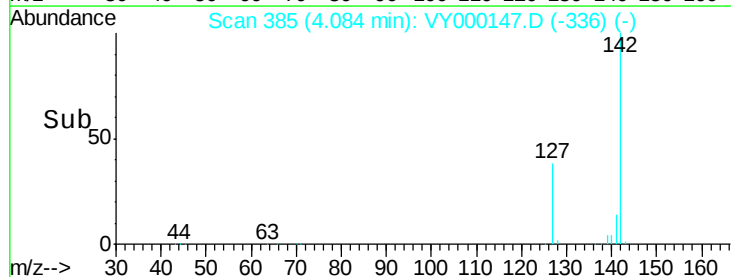
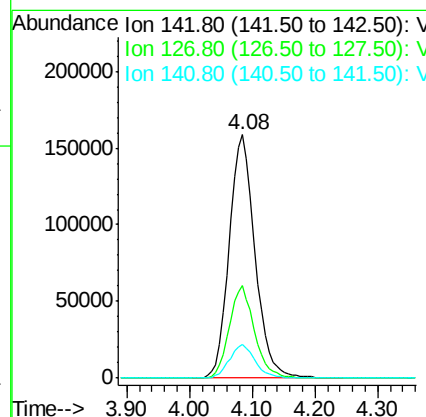
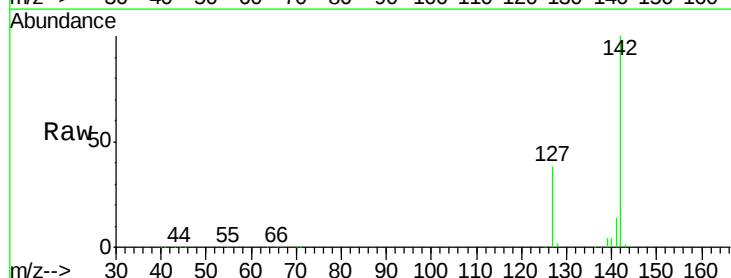
RT: 4.08 min Scan# 385

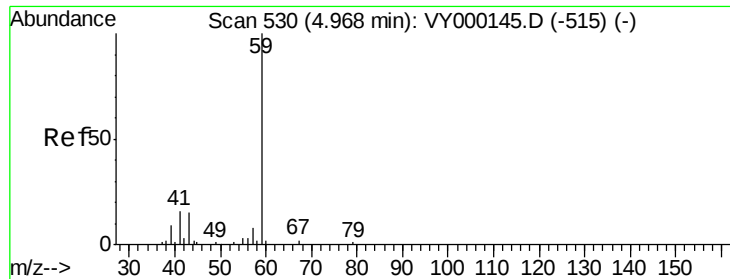
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	142	Resp:	451154
Ion Ratio	Lower	Upper	
142	100		
127	37.1	30.0	45.0
141	13.8	11.0	16.6





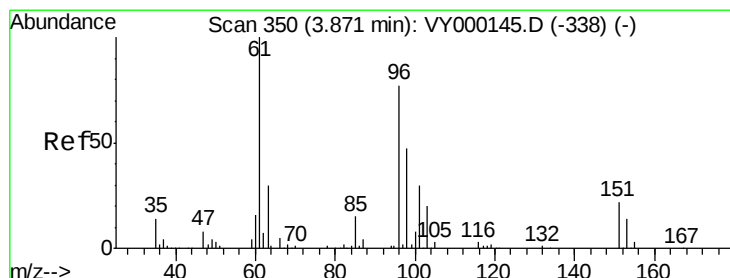
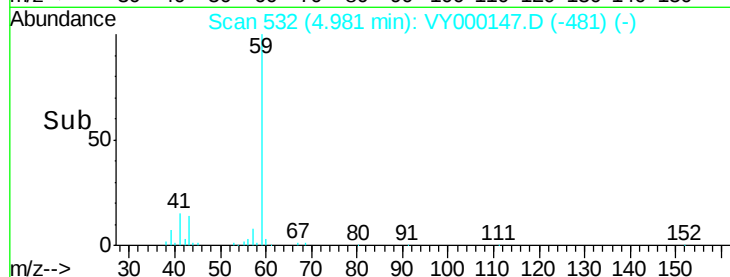
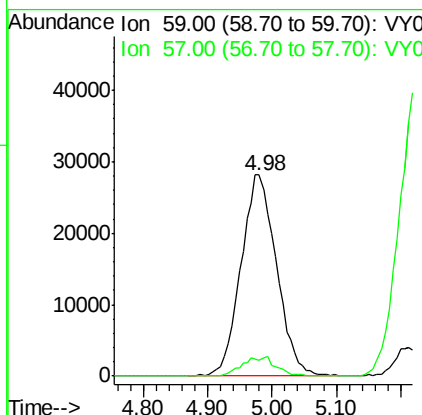
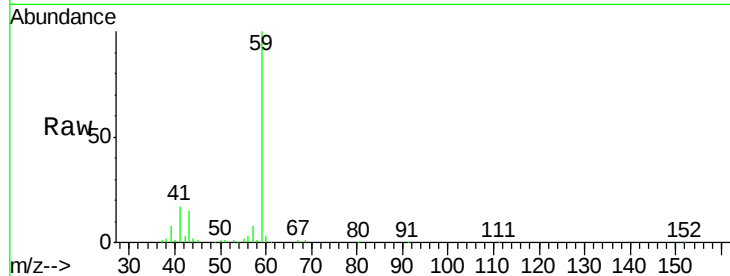
#11
Tert butyl alcohol
Concen: 616.592 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.9	13.3

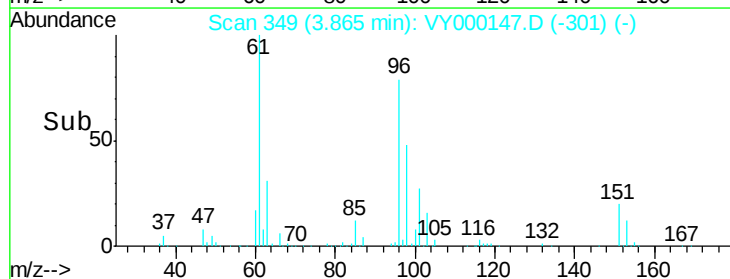
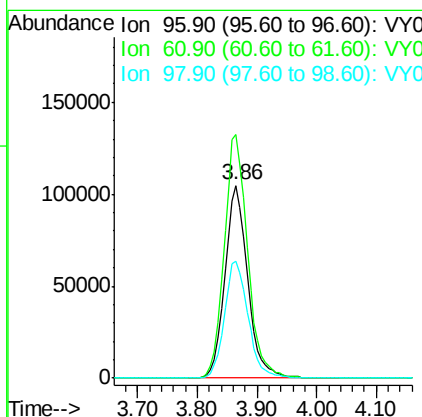
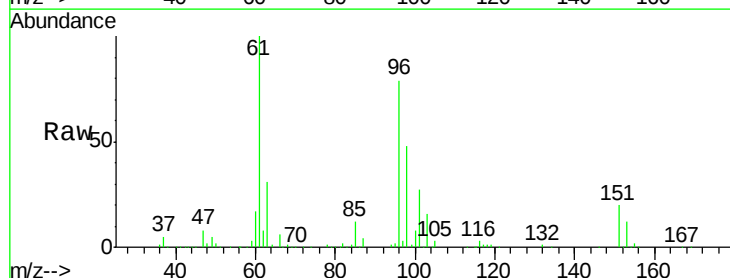
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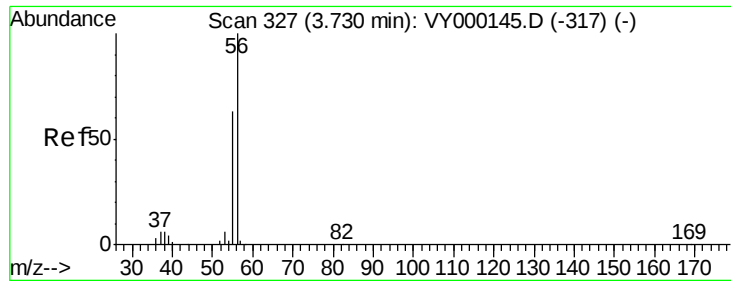
MMDadoda
10/2/2019 9:13:05 AM



#12
1,1-Dichloroethene
Concen: 136.274 ug/l
RT: 3.86 min Scan# 349
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.3	103.6	155.4
98	60.3	48.7	73.1





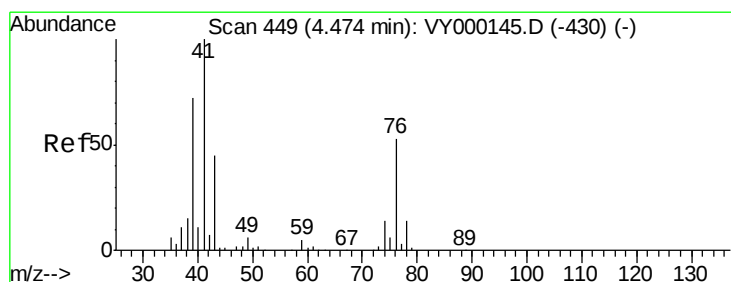
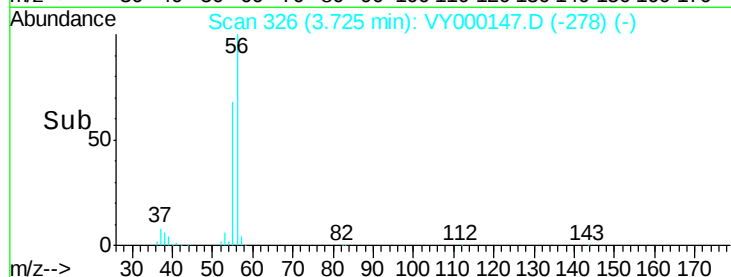
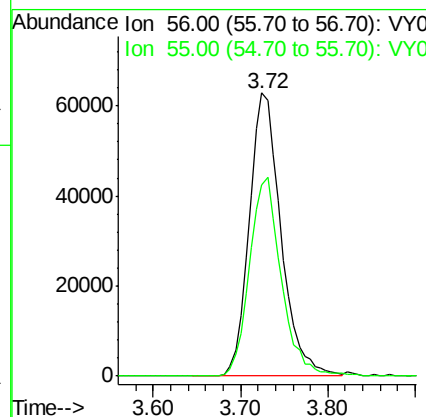
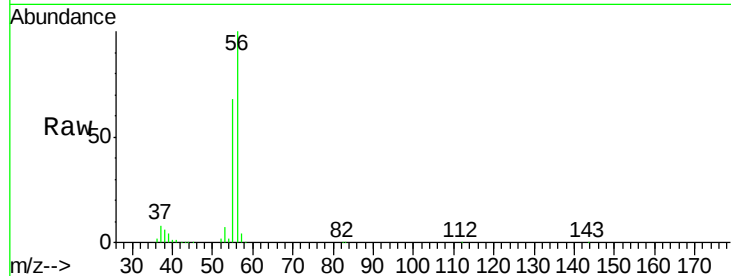
#13
Acrolein
Concen: 733.565 ug/l
RT: 3.72 min Scan# 326
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 158428
Ion Ratio Lower Upper
56 100
55 70.4 53.1 79.7

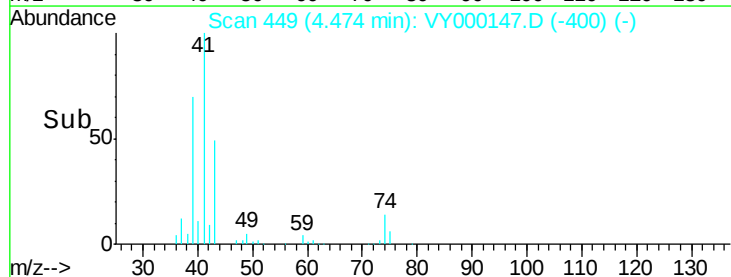
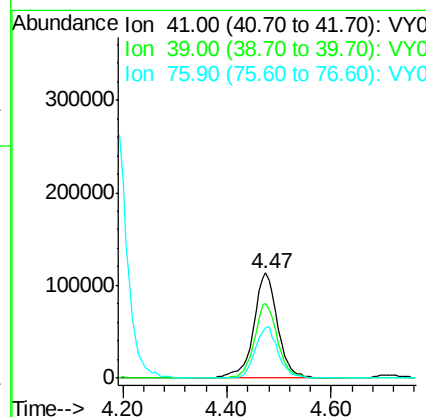
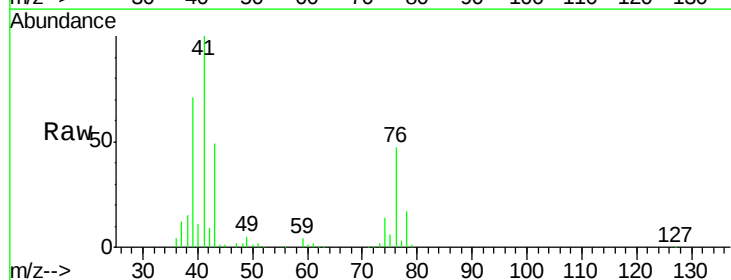
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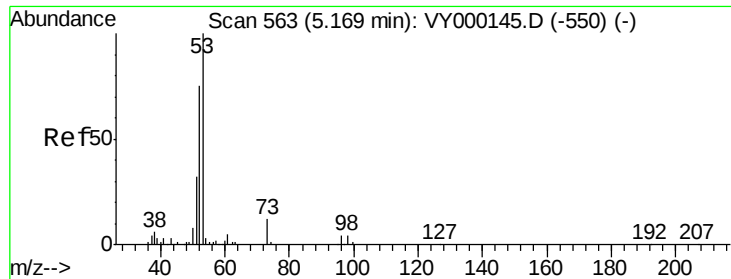
MMDadoda
10/2/2019 9:13:05 AM



#14
Allyl chloride
Concen: 140.371 ug/l
RT: 4.47 min Scan# 449
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion: 41 Resp: 359017
Ion Ratio Lower Upper
41 100
39 68.6 54.6 82.0
76 46.7 39.0 58.6





#15

Acrylonitrile

Concen: 678.051 ug/l

RT: 5.17 min Scan# 563

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

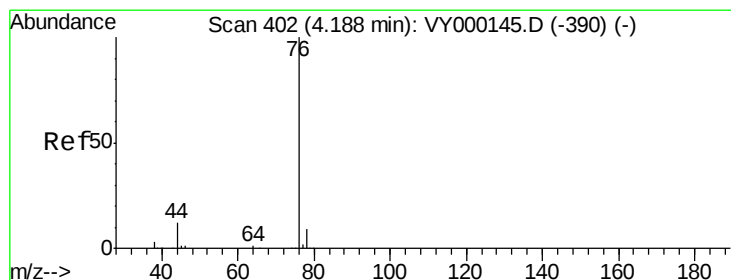
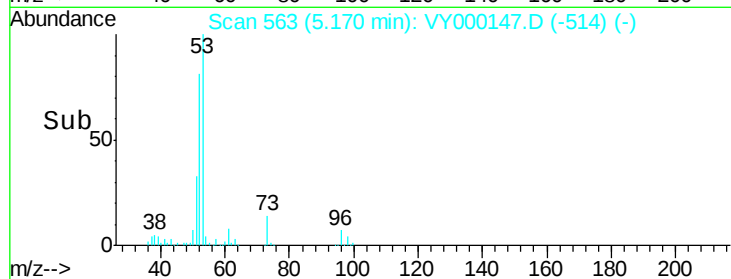
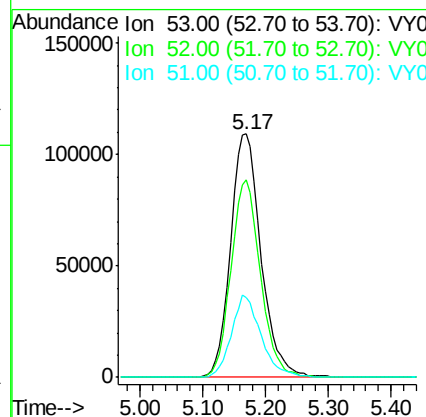
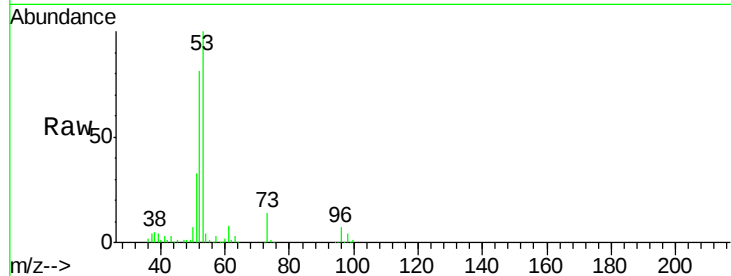
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	367079
Ion Ratio	Lower	Upper	
53	100		
52	78.5	62.9	94.3
51	32.9	27.5	41.3

Manual Integrations
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#17

Carbon Disulfide

Concen: 134.455 ug/l

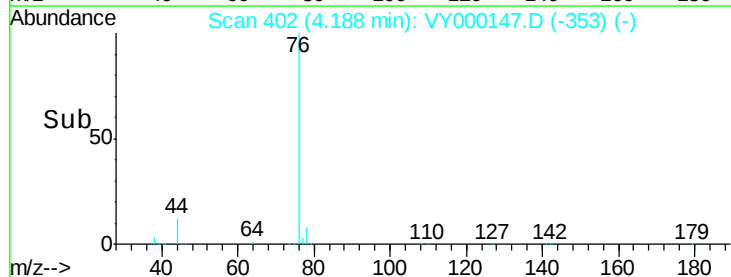
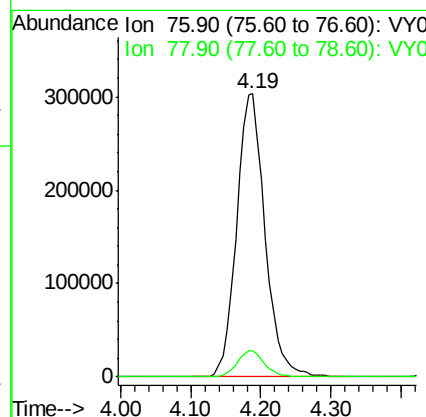
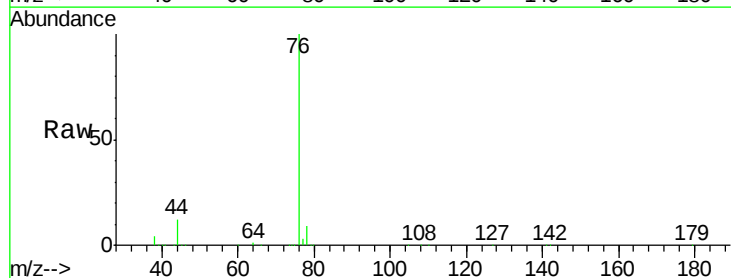
RT: 4.19 min Scan# 402

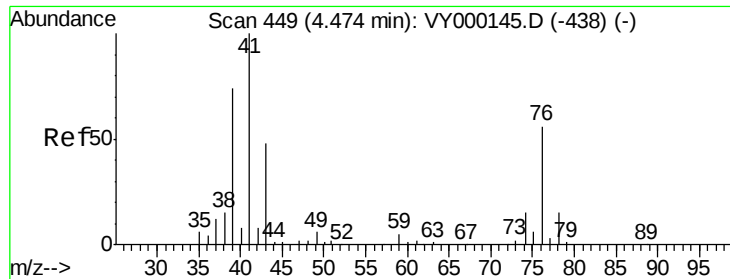
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	76	Resp:	852431
Ion Ratio	Lower	Upper	
76	100		
78	9.1	7.0	10.4





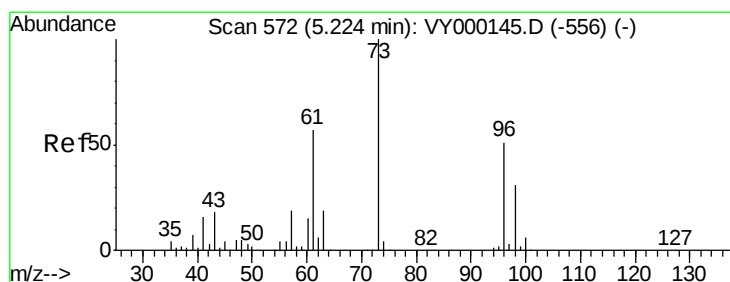
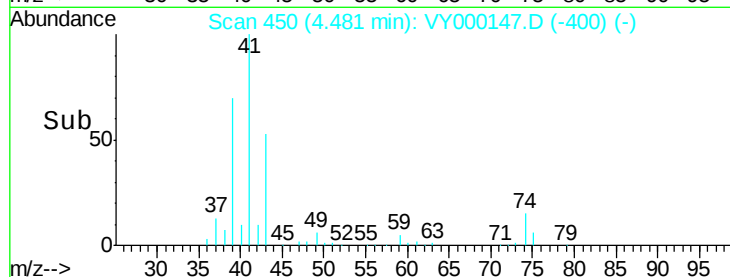
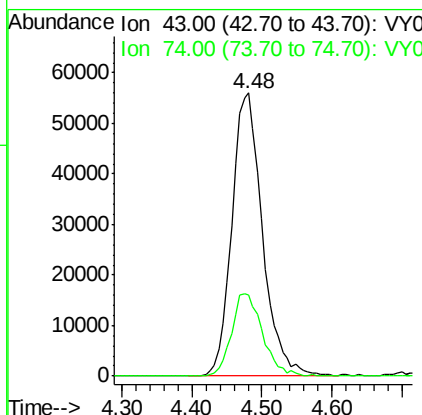
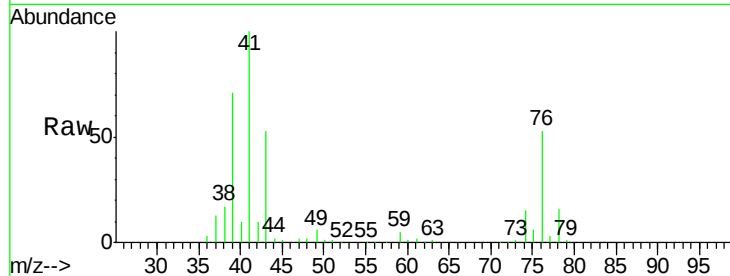
#18
Methyl Acetate
Concen: 135.093 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 170530
Ion Ratio Lower Upper
43 100
74 29.3 25.6 38.4

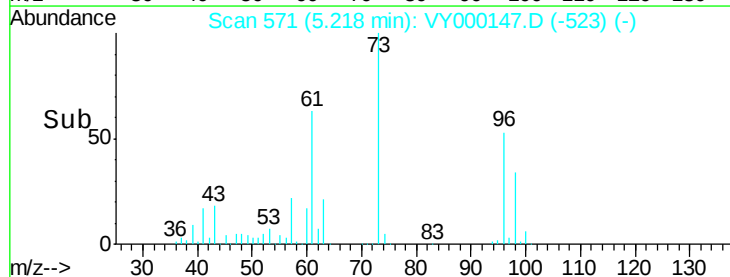
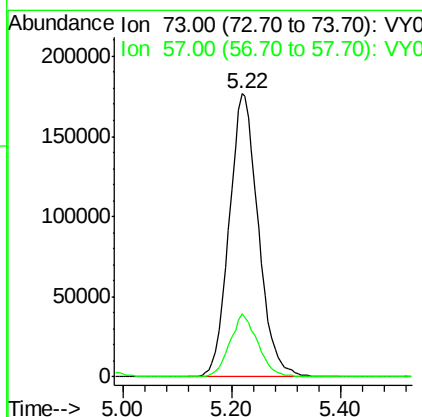
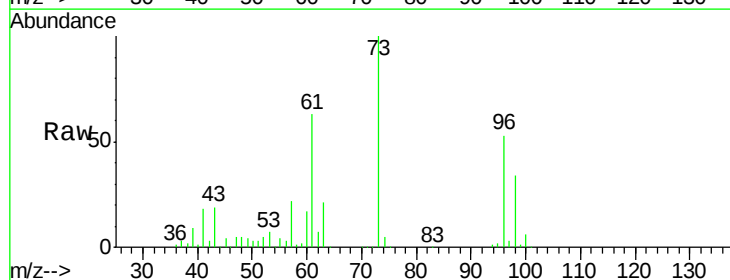
Manual Integrations
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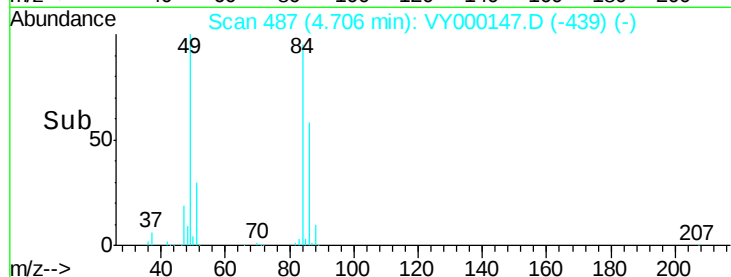
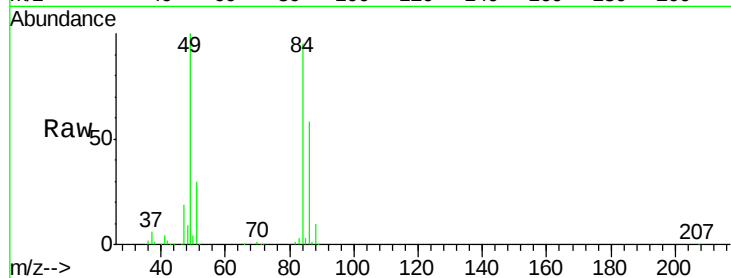
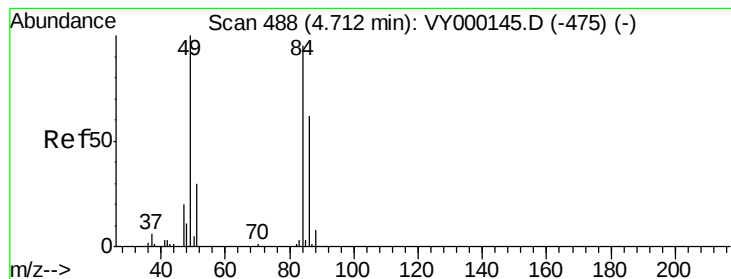
MMDadoda
10/2/2019 9:13:05 AM



#19
Methyl tert-butyl Ether
Concen: 135.966 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion: 73 Resp: 657890
Ion Ratio Lower Upper
73 100
57 22.4 15.5 23.3





#20

Methvlene Chloride

Concen: 119.930 ug/l

RT: 4.71 min Scan# 487

Delta R.T. -0.01 min

Lab File: VY000147.D

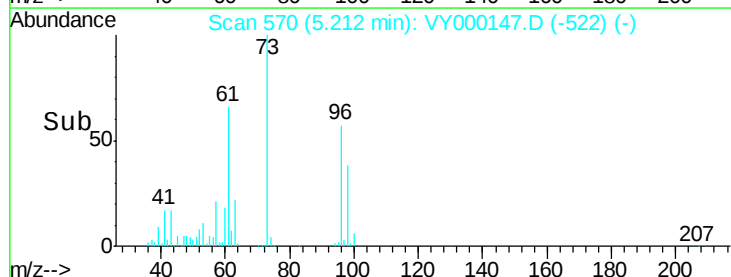
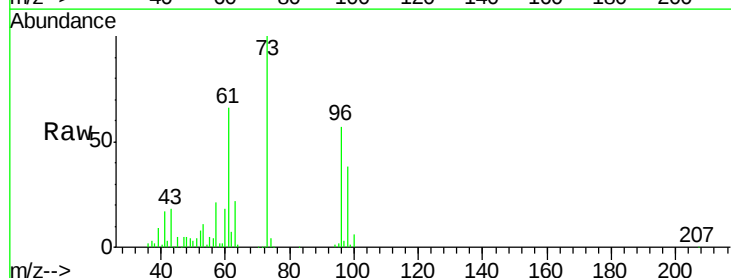
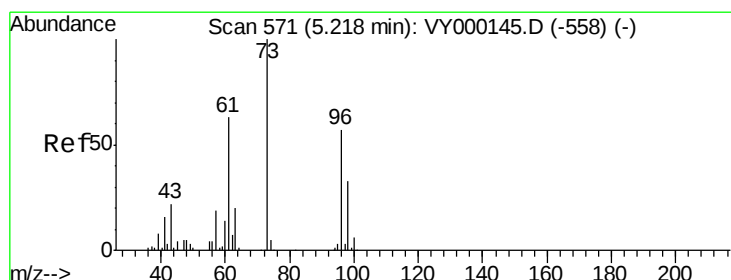
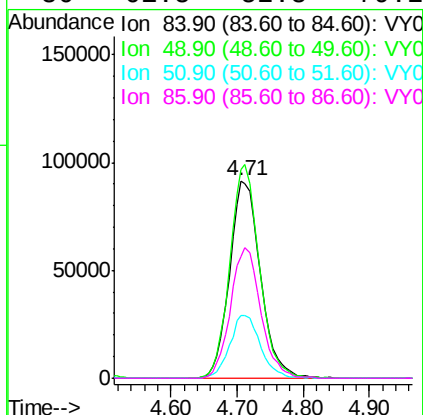
Acq: 26 Sep 2019 12:19

Tot Ion	84	Resp	295423
Ion Ratio	Lower	Upper	
84	100		
49	105.6	84.6	126.8
51	31.7	25.4	38.2
86	61.5	52.8	79.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

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#21

trans-1,2-Dichloroethene

Concen: 135.528 ug/l

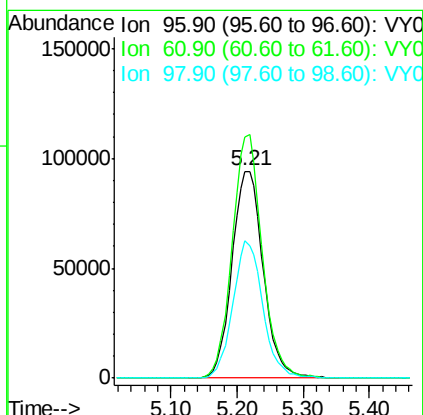
RT: 5.21 min Scan# 570

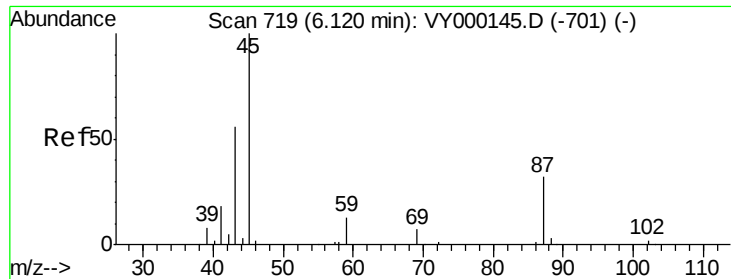
Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion	96	Resp	308625
Ion Ratio	Lower	Upper	
96	100		
61	116.4	88.0	132.0
98	66.4	45.6	68.4





#22

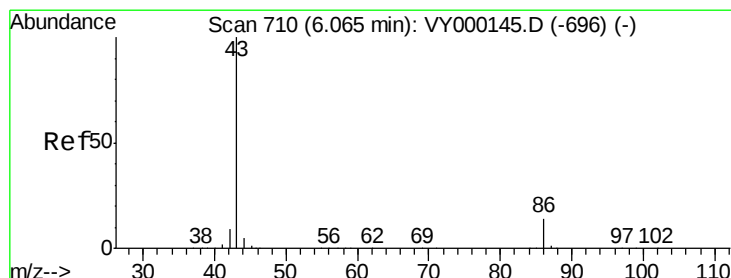
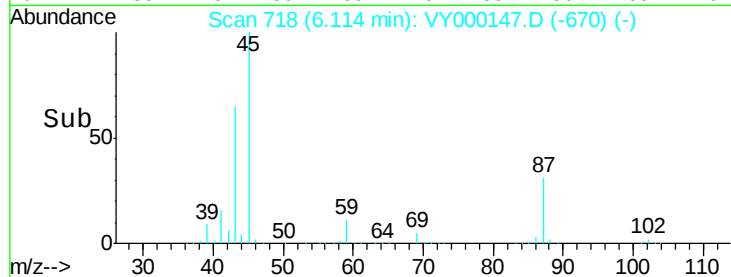
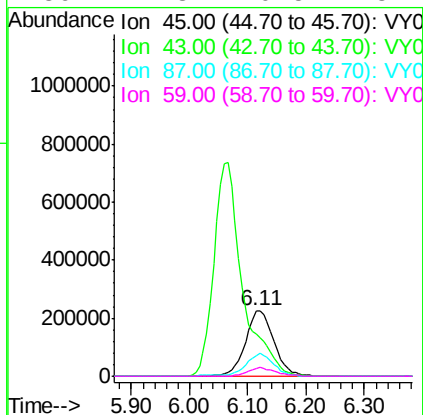
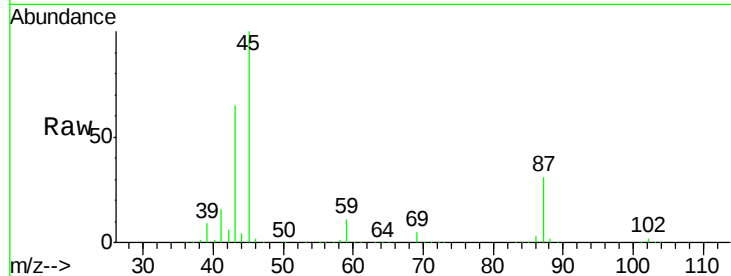
Diisopropyl ether
Concen: 142.475 ug/l
RT: 6.11 min Scan# 718
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	64.9	48.4	72.6	
87	31.3	26.6	39.8	
59	11.3	10.5	15.7	

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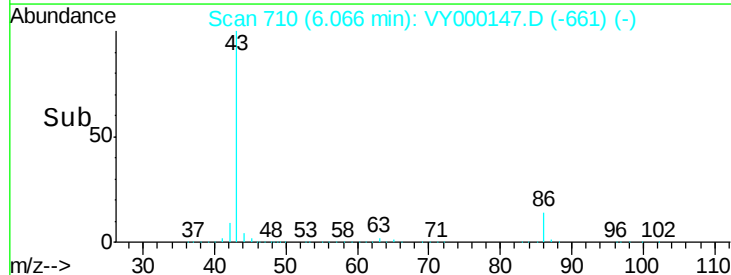
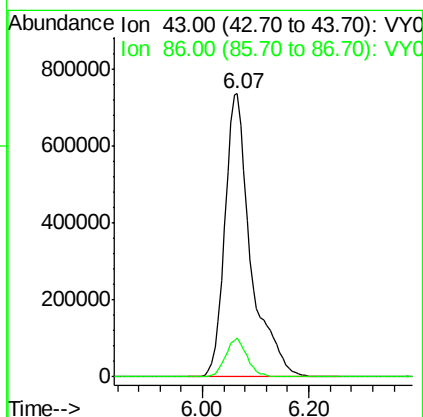
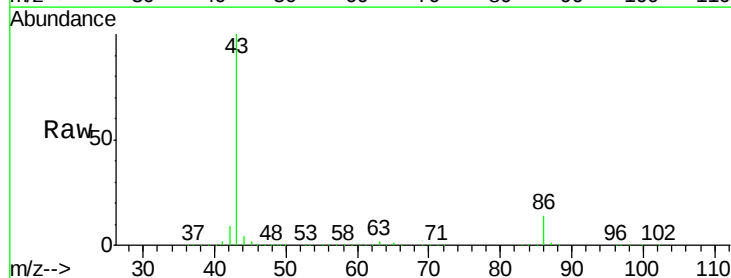
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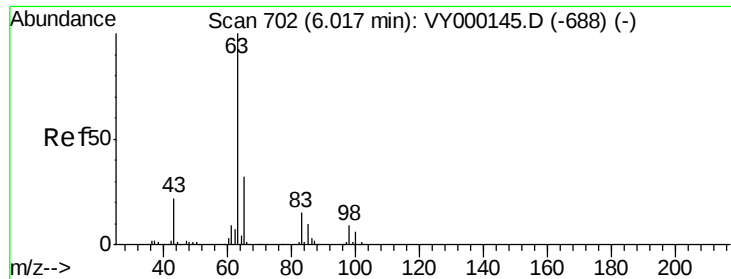


#23

Vinyl Acetate
Concen: 743.080 ug/l
RT: 6.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	13.5	11.1	16.7	





#24

1,1-Dichloroethane

Concen: 138.004 ug/l

RT: 6.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

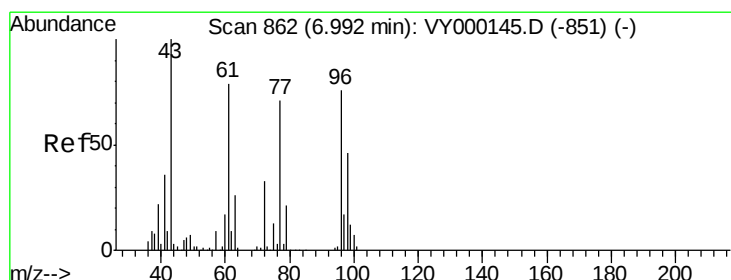
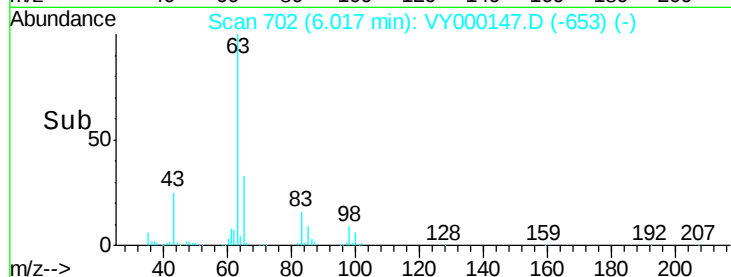
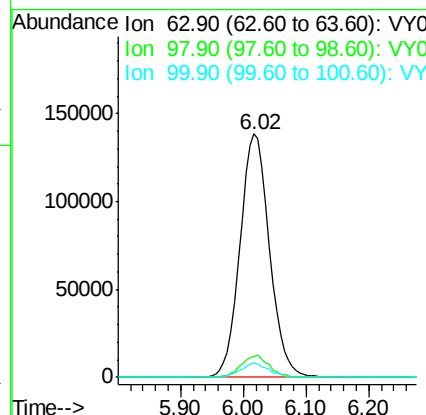
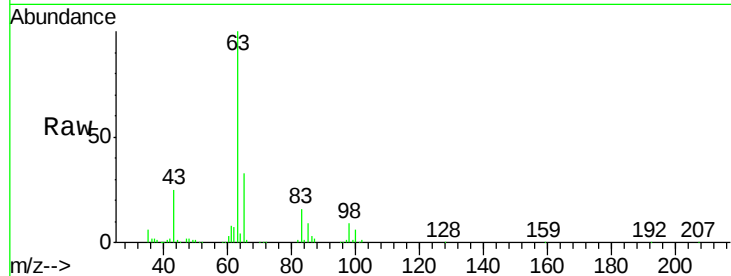
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	449038
Ion Ratio	Lower	Upper	
63	100		
98	8.7	4.6	13.8
100	5.8	2.8	8.4

Manual Integrations
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#25

2-Butanone

Concen: 686.659 ug/l

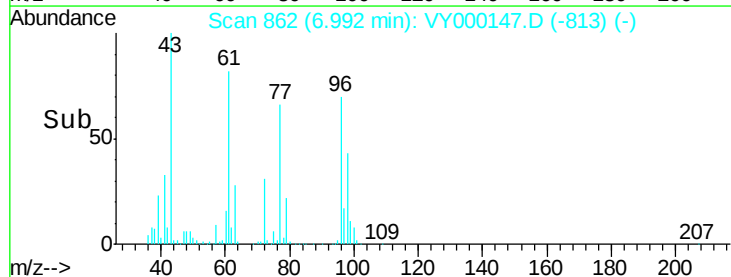
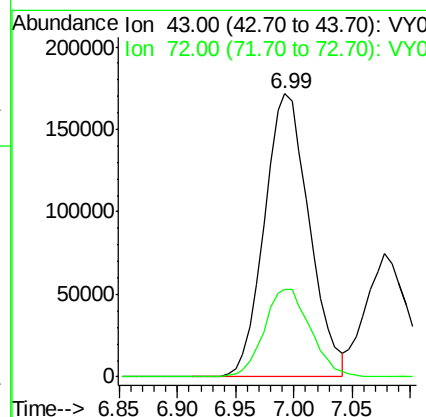
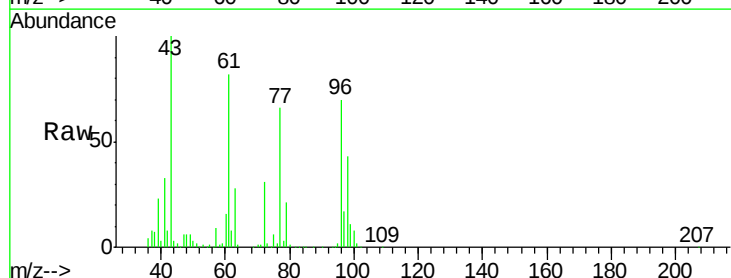
RT: 6.99 min Scan# 862

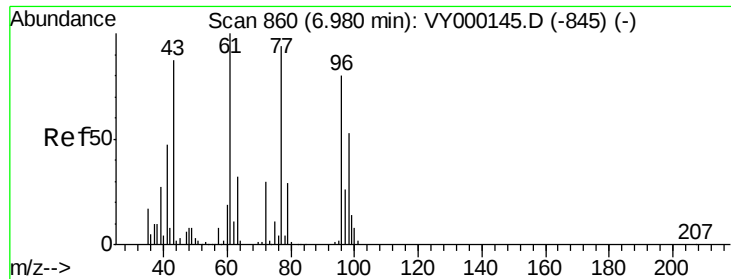
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	43	Resp:	458873
Ion Ratio	Lower	Upper	
43	100		
72	31.1	26.8	40.2





#26

2,2-Dichloropropane

Concen: 134.468 ug/l

RT: 6.98 min Scan# 860

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 77 Resp: 397837

Ion Ratio Lower Upper

77 100

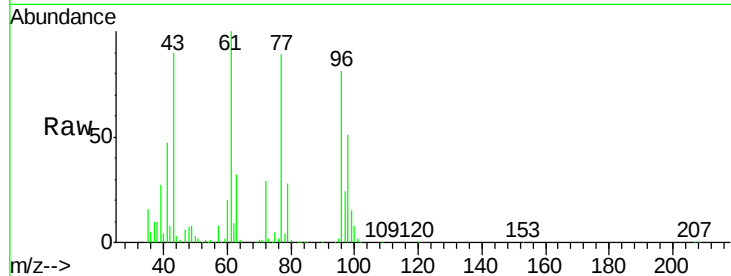
97 25.3 13.0 38.9

Manual Integrations

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Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

150000

100000

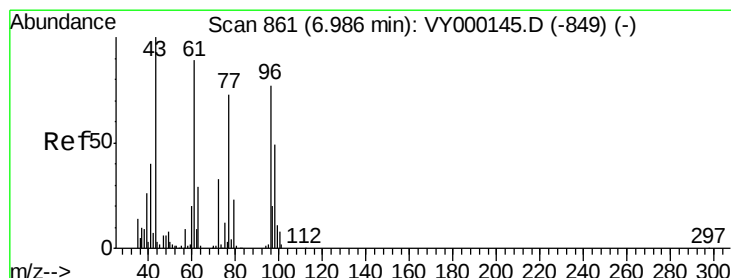
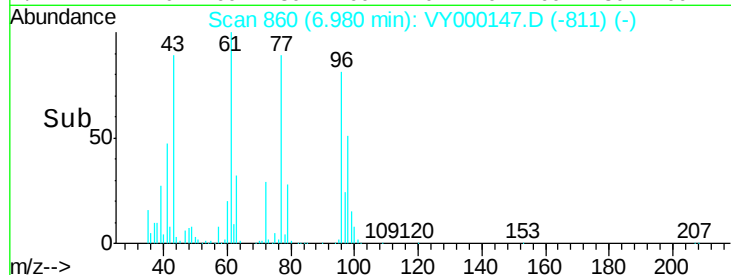
50000

0

6.98

6.90 6.95 7.00 7.05 7.10 7.15 7.20

Time-->



#27

cis-1,2-Dichloroethene

Concen: 135.469 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

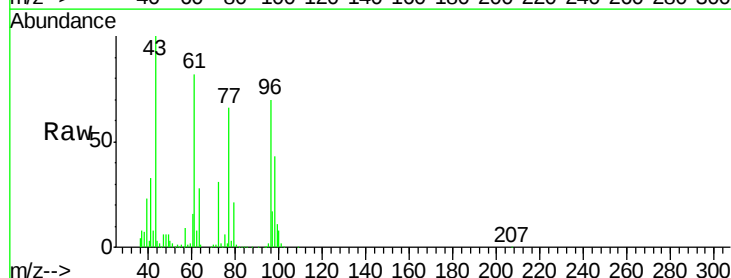
Tgt Ion: 96 Resp: 342841

Ion Ratio Lower Upper

96 100

61 120.4 0.0 232.8

98 64.8 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

200000

150000

100000

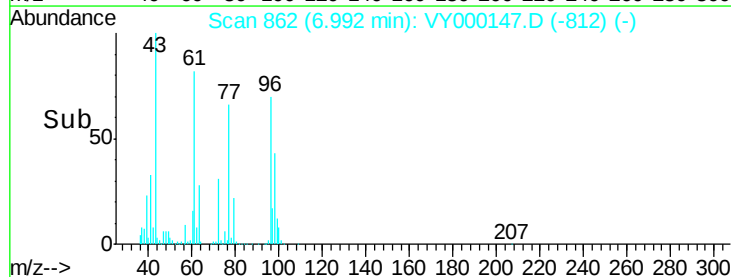
50000

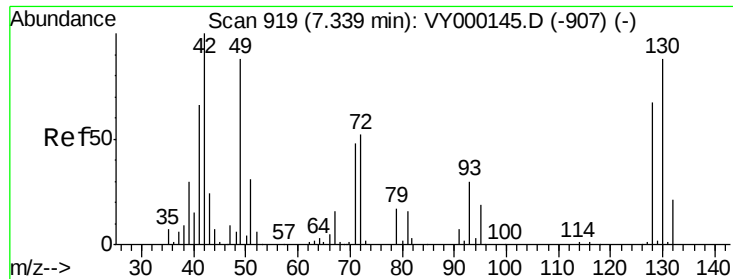
0

6.99

6.90 7.00 7.10 7.20

Time-->





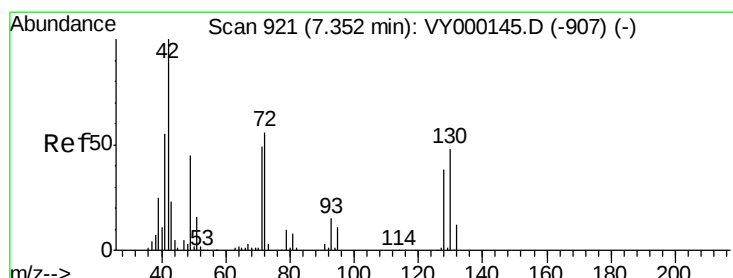
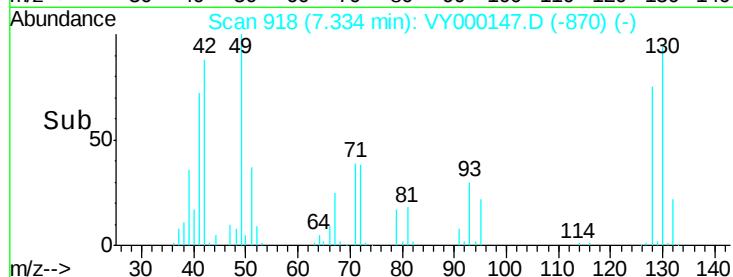
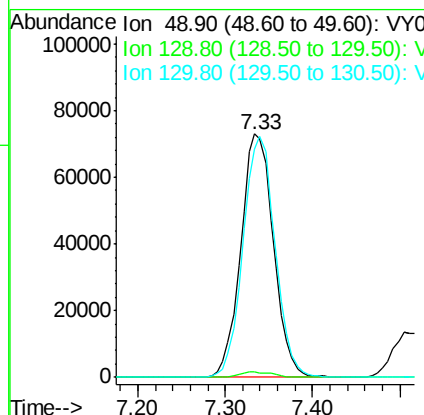
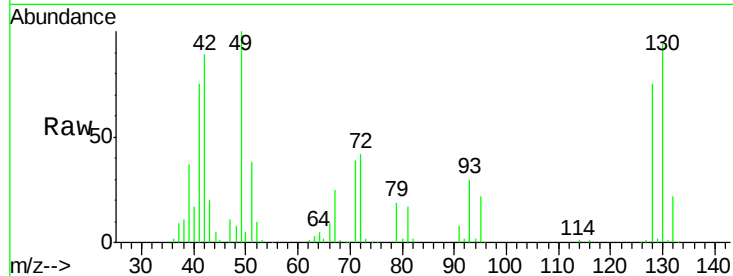
#28
Bromochloromethane
Concen: 152.642 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	97.1	79.5	119.3

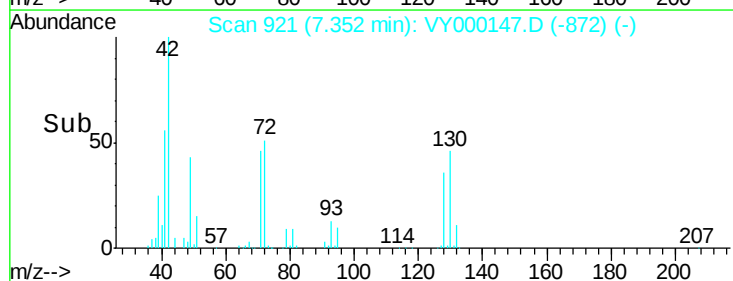
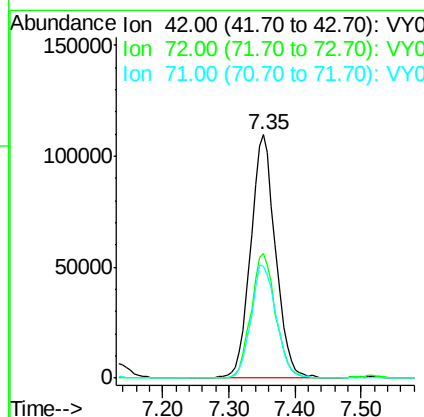
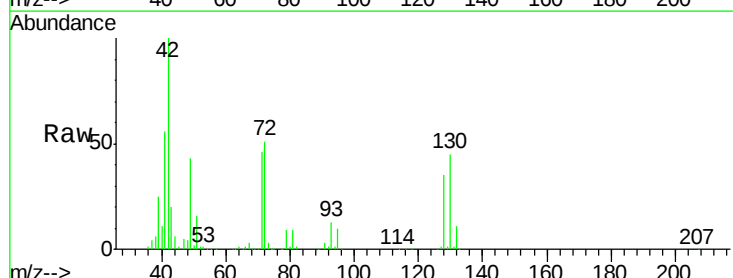
Manual Integrations
APPROVED

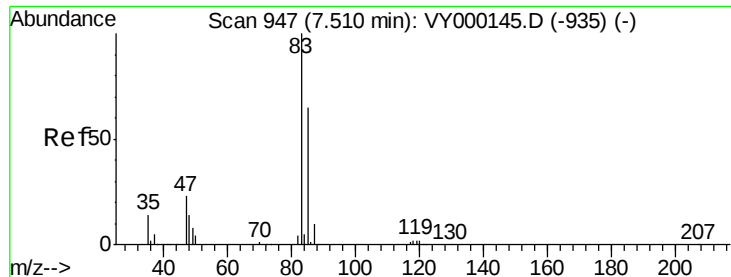
MMDadoda
10/2/2019 9:13:05 AM



#29
Tetrahydrofuran
Concen: 697.520 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.7	43.1	64.7
71	47.1	39.4	59.2





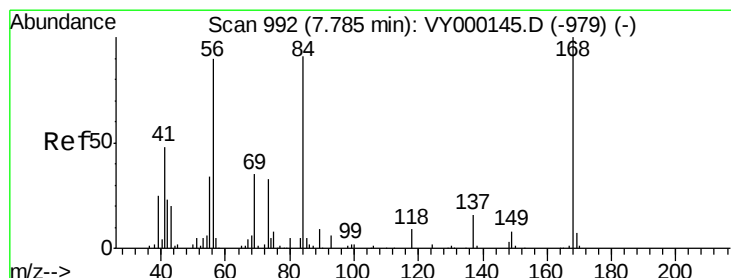
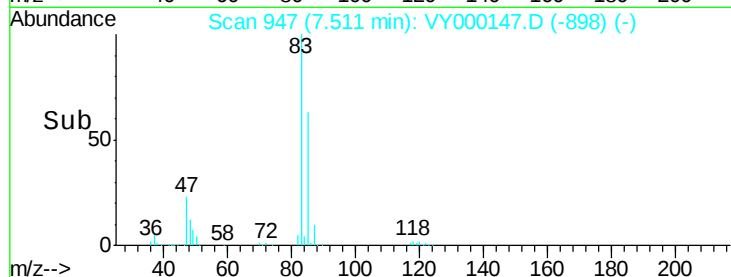
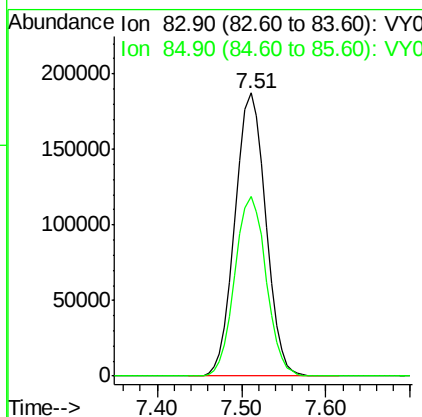
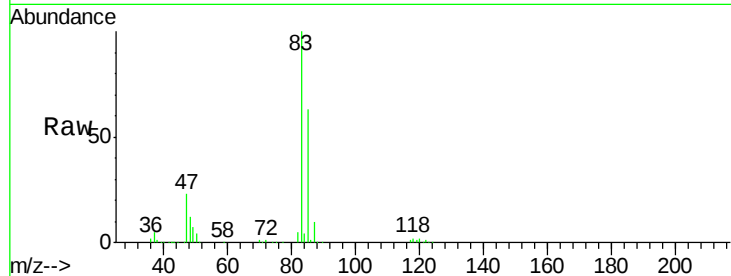
#30
Chloroform
Concen: 136.090 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	463448
Ion Ratio	100	Lower	Upper
85	63.3	52.4	78.6

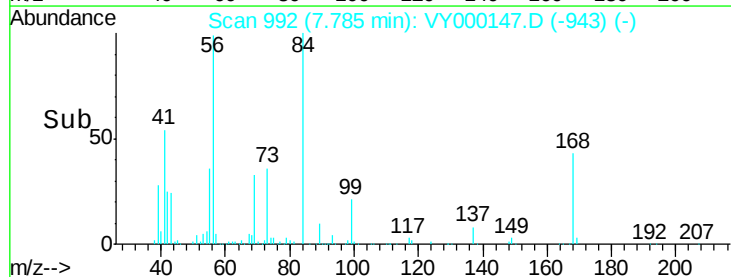
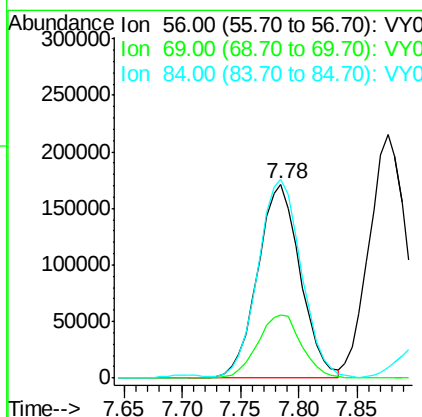
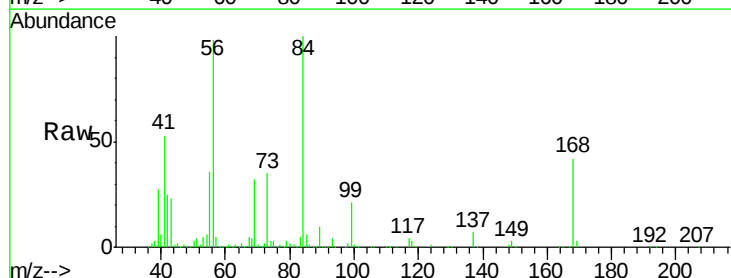
Manual Integrations
APPROVED

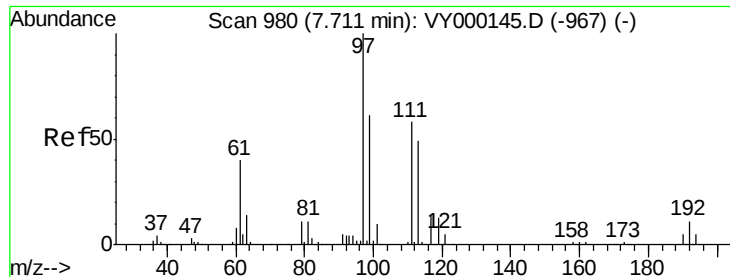
MMDadoda
10/2/2019 9:13:05 AM



#31
Cyclohexane
Concen: 128.956 ug/l
RT: 7.78 min Scan# 992
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	56	Resp	433800
Ion Ratio	100	Lower	Upper
69	32.7	31.1	46.7
84	100.6	80.5	120.7





#32

1,1,1-Trichloroethane

Concen: 139.691 ug/l

RT: 7.70 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

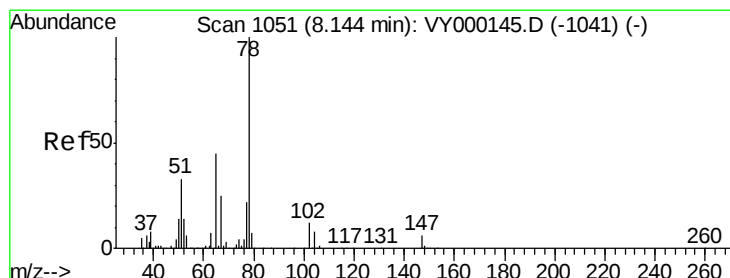
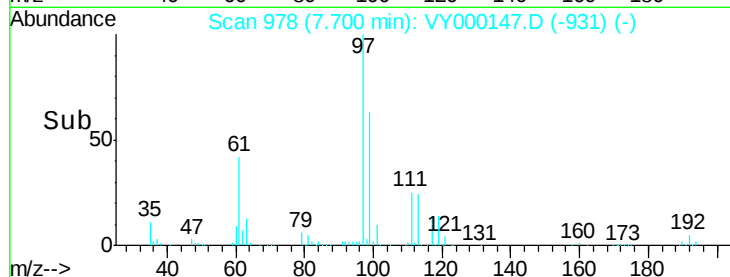
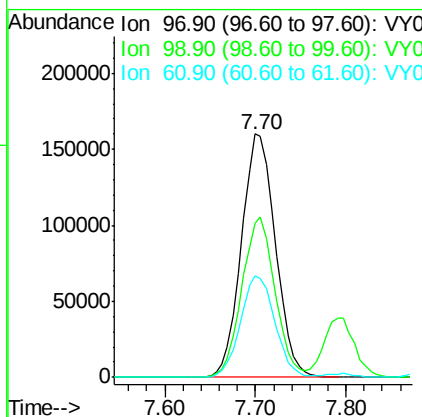
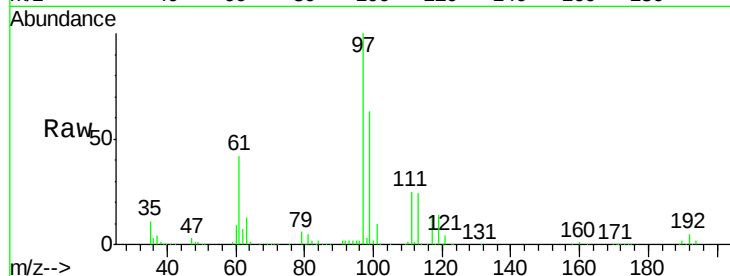
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	417129
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	41.9	32.9	49.3

Manual Integrations
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MMDadoda
10/2/2019 9:13:05 AM



#33

1,2-Dichloroethane-d4

Concen: 145.354 ug/l

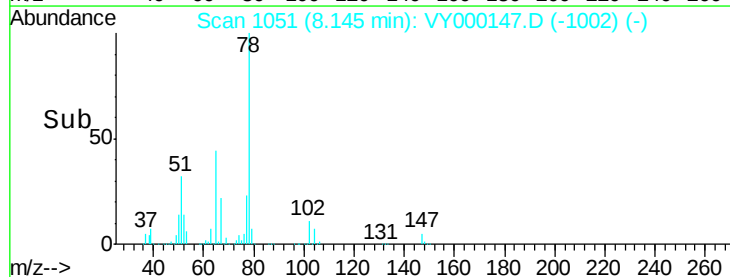
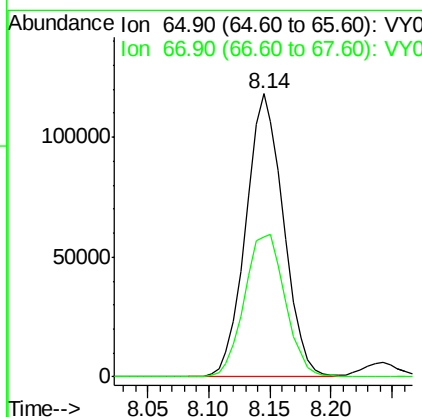
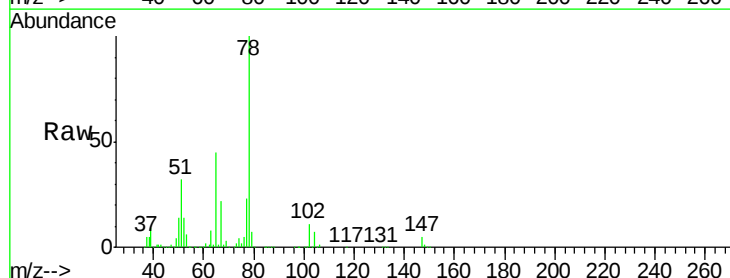
RT: 8.14 min Scan# 1051

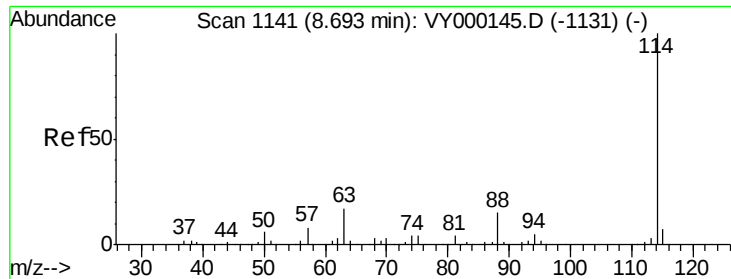
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	65	Resp:	253015
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.6





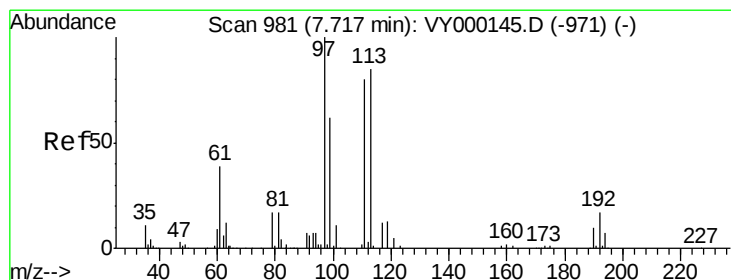
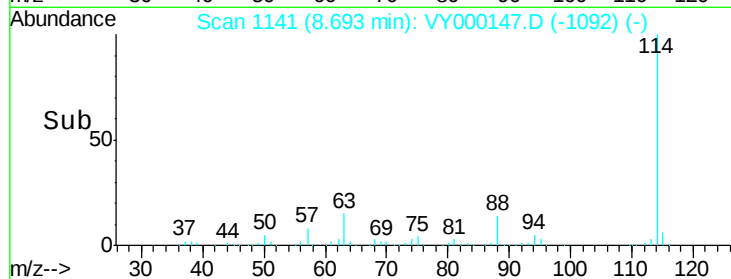
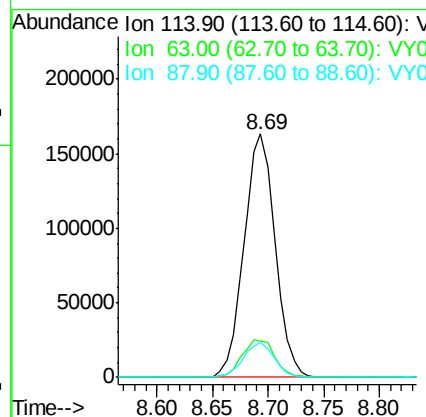
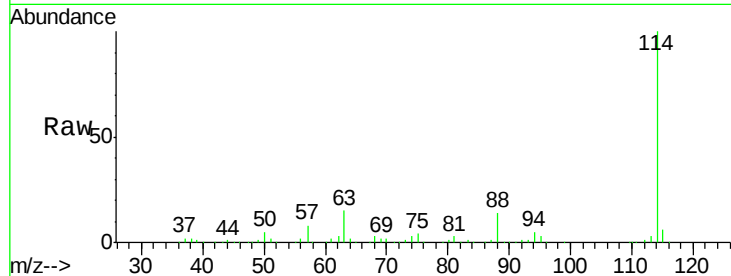
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	14.9	0.0	34.6
88	14.5	0.0	30.6

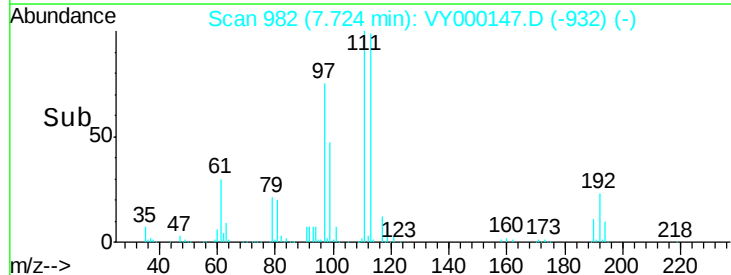
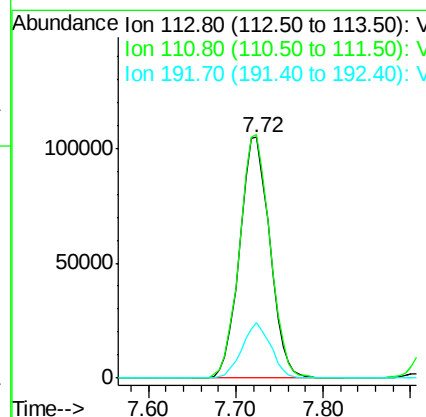
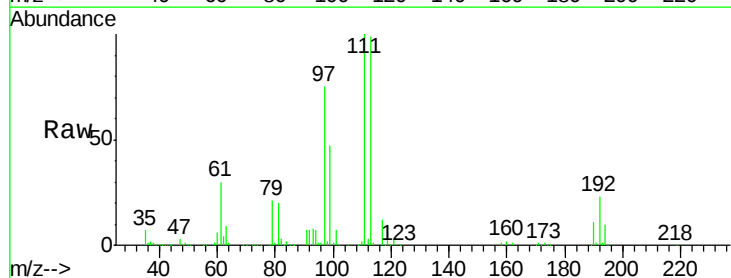
Manual Integrations
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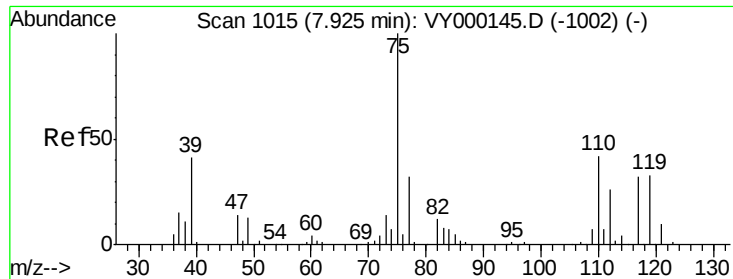
MMDadoda
 10/2/2019 9:13:05 AM



#35
 Dibromofluoromethane
 Concen: 152.093 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.8	82.0	123.0
192	22.0	17.3	25.9





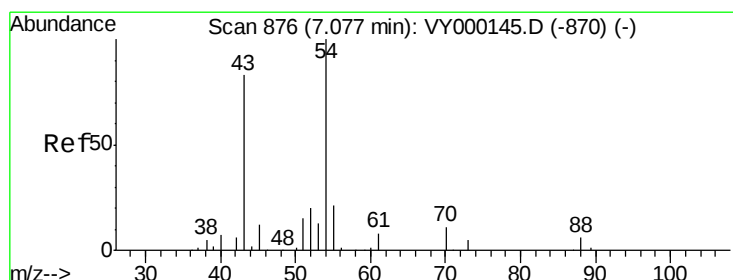
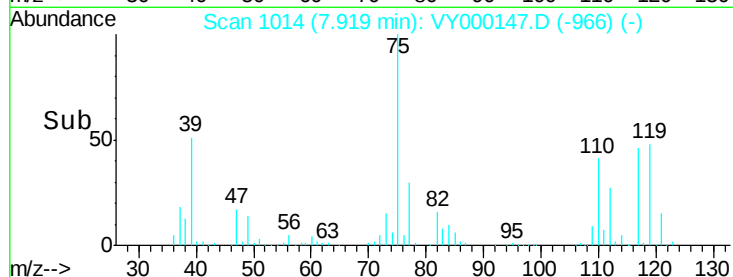
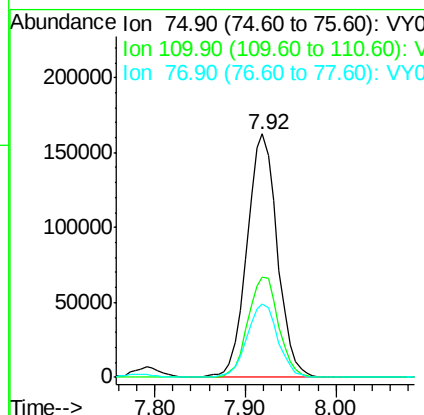
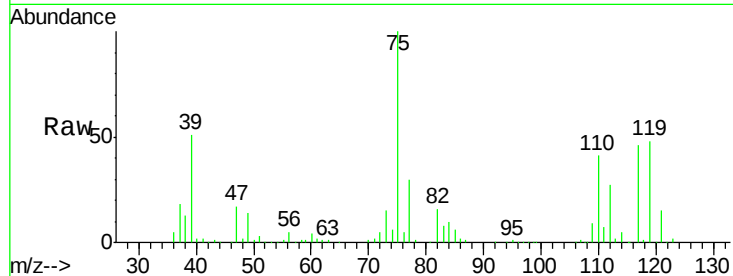
#36
 1,1-Dichloropropene
 Concen: 142.216 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	41.8	21.1	63.1	
77	30.9	24.6	36.8	

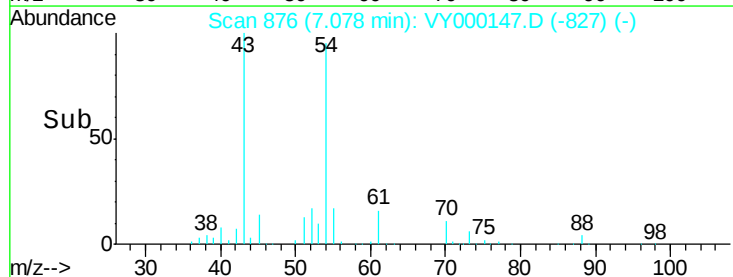
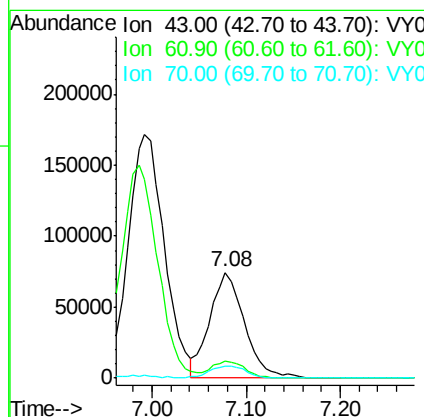
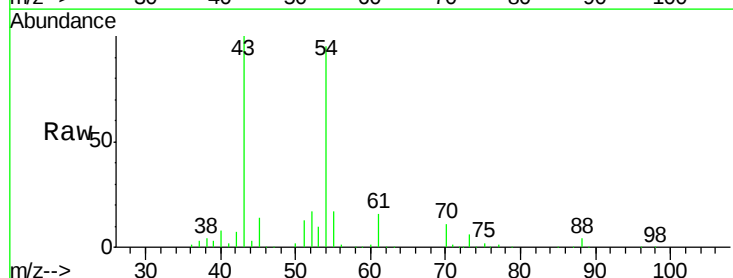
Manual Integrations
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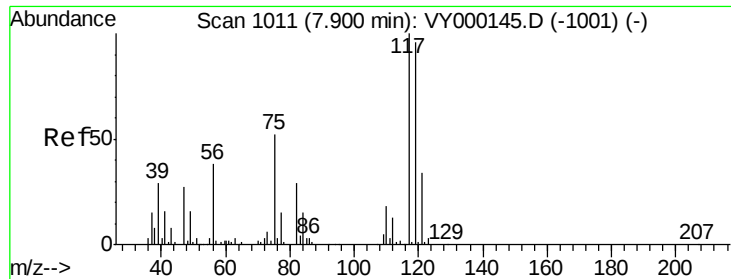
MMDadoda
 10/2/2019 9:13:05 AM



#37
 Ethyl Acetate
 Concen: 137.321 ug/l
 RT: 7.08 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.4	11.9	17.9	
70	12.3	10.2	15.2	





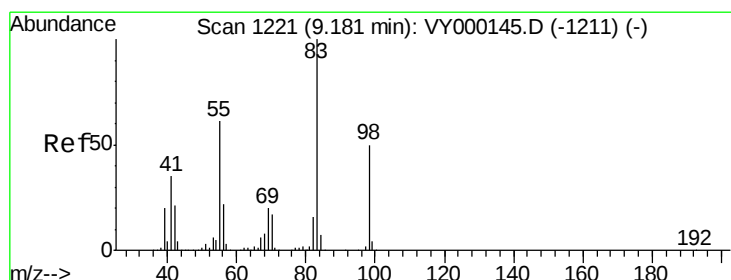
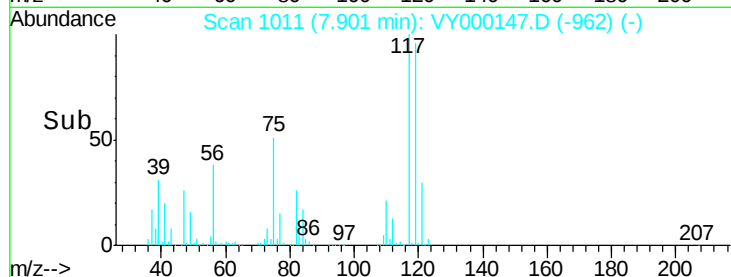
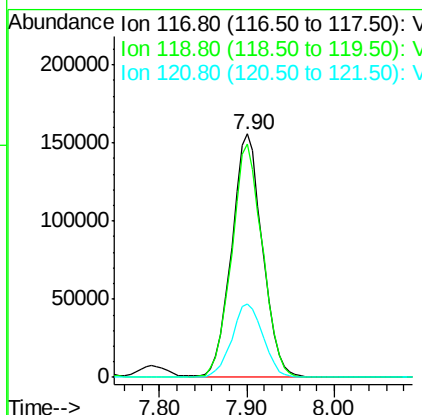
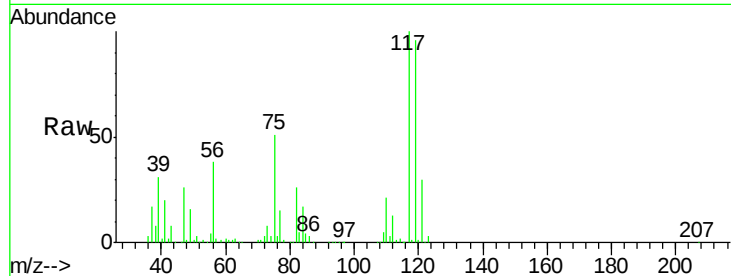
#38
Carbon Tetrachloride
Concen: 148.216 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	380858		
119	95.7	76.9	115.3	
121	30.2	27.4	41.0	

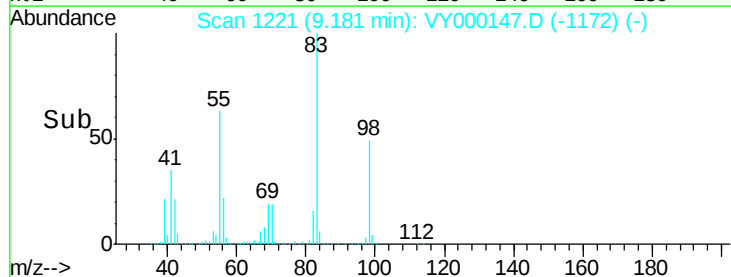
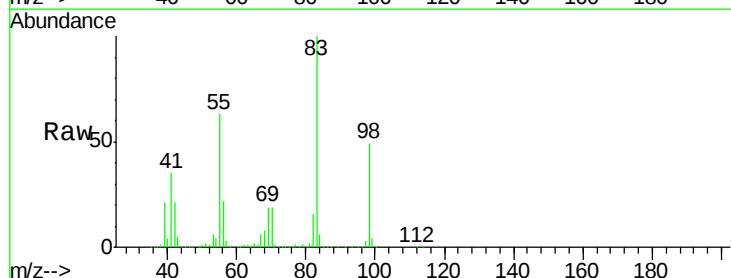
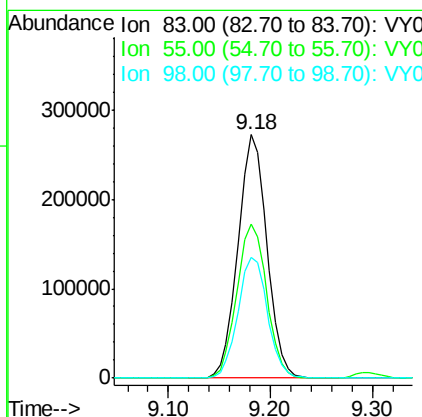
Manual Integrations
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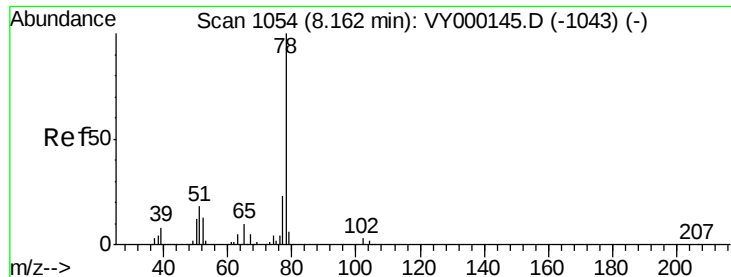
MMDadoda
10/2/2019 9:13:05 AM



#39
Methylcyclohexane
Concen: 143.425 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	535460		
55	63.4	49.1	73.7	
98	49.4	40.0	60.0	





#40

Benzene

Concen: 142.157 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 78 Resp: 1181988

Ion Ratio Lower Upper

78 100

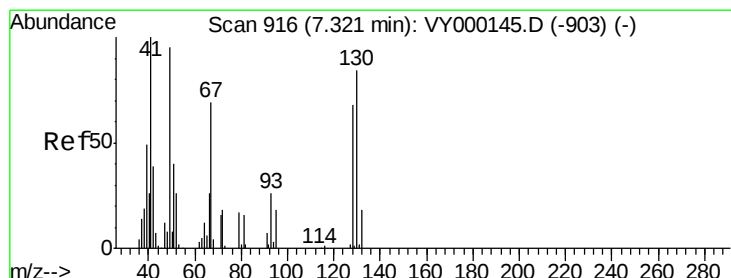
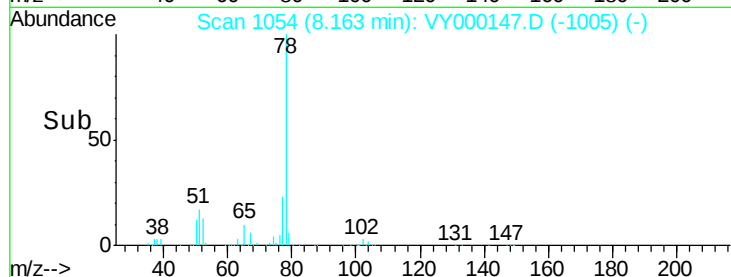
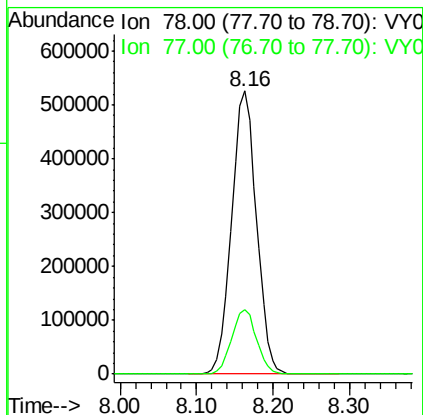
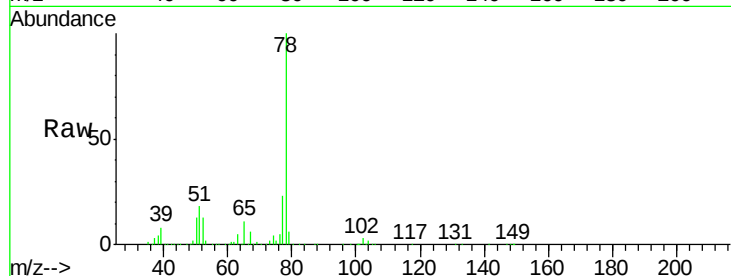
77 22.9 18.2 27.4

Manual Integrations

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10/2/2019 9:13:05 AM



#41

Methacrylonitrile

Concen: 140.359 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion: 41 Resp: 105820

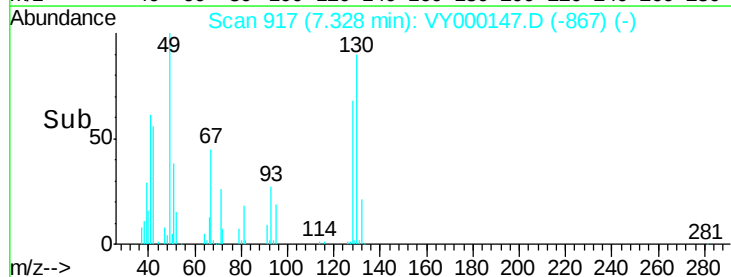
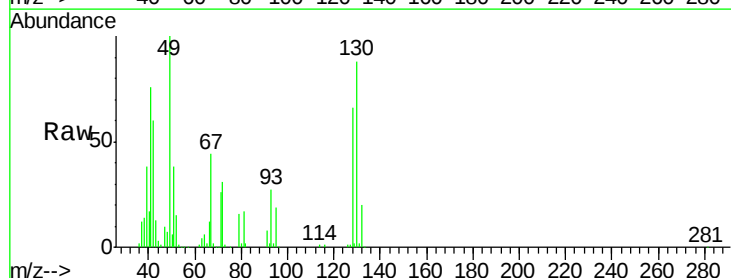
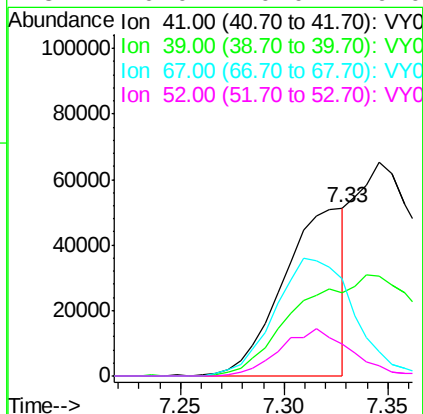
Ion Ratio Lower Upper

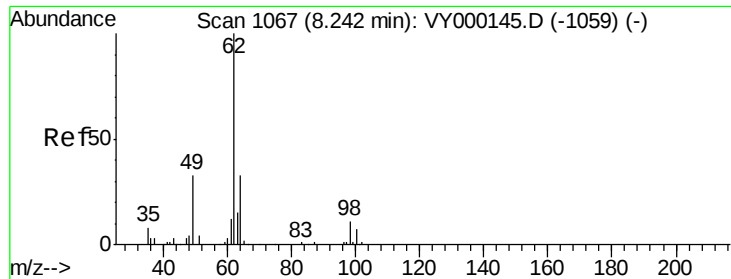
41 100

39 122.6 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 144.408 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 62 Resp: 292145

Ion Ratio Lower Upper

62 100

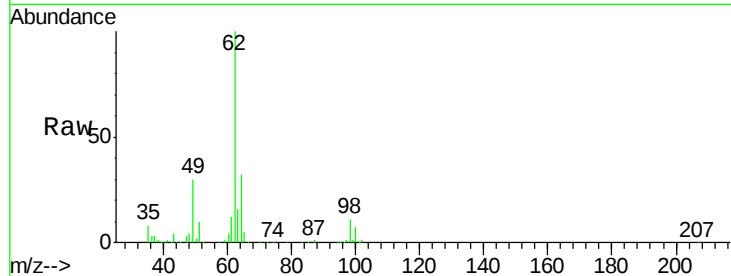
98 12.1 0.0 24.8

Manual Integrations

APPROVED

MMDadoda

10/2/2019 9:13:05 AM



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

8.24

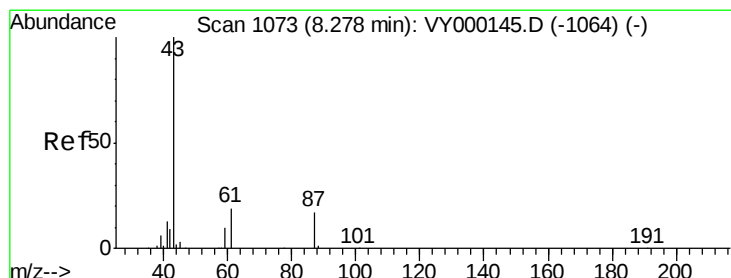
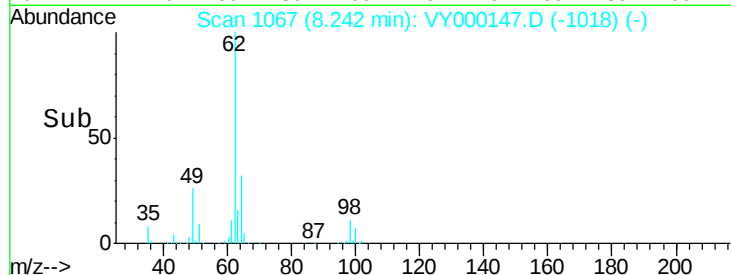
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 145.994 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

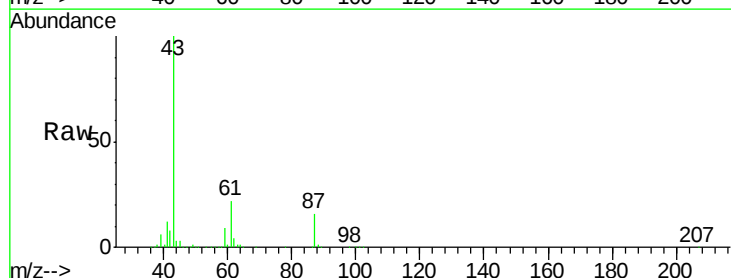
Tgt Ion: 43 Resp: 374987

Ion Ratio Lower Upper

43 100

61 30.6 25.6 38.4

87 16.1 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

250000

200000

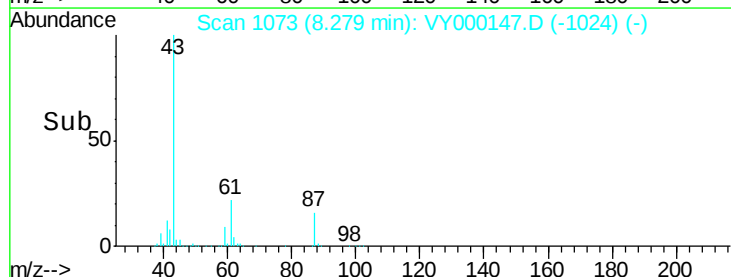
150000

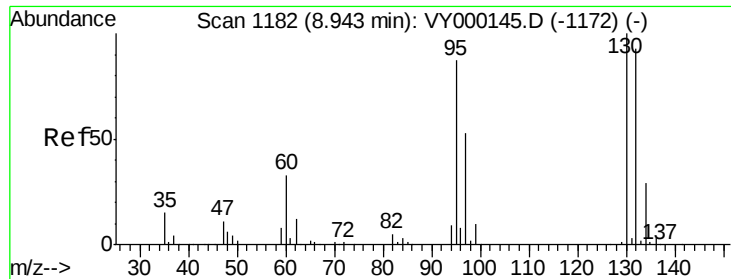
100000

50000

0

Time-->





#44

Trichloroethene

Concen: 139.839 ug/l

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 371561

Ion Ratio Lower Upper

130 100

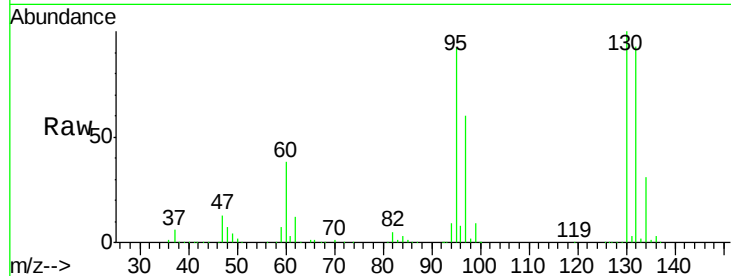
95 92.0 0.0 174.8

Manual Integrations

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MMDadoda

10/2/2019 9:13:05 AM



Abundance Ion 129.80 (129.50 to 130.50): VY000147.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY000147.D (-1133) (-)

8.94

200000

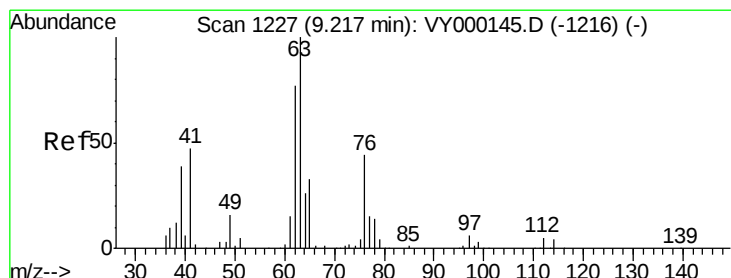
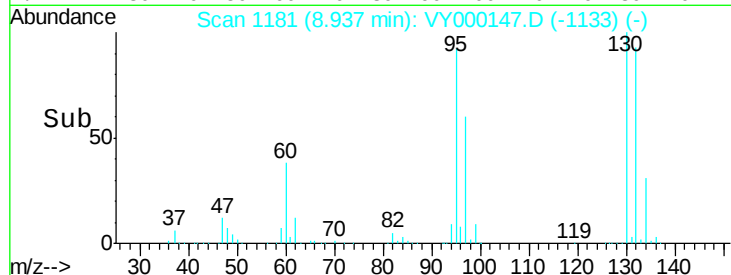
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 146.011 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY000147.D

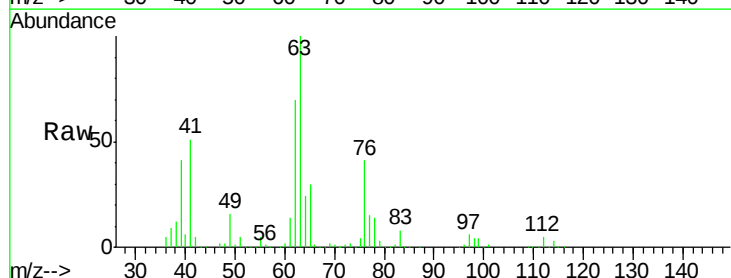
Acq: 26 Sep 2019 12:19

Tgt Ion: 63 Resp: 267813

Ion Ratio Lower Upper

63 100

65 29.9 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VY000147.D (-1178) (-)

Ion 64.90 (64.60 to 65.60): VY000147.D (-1178) (-)

9.22

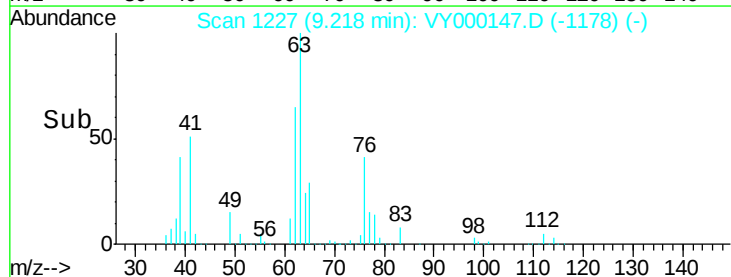
150000

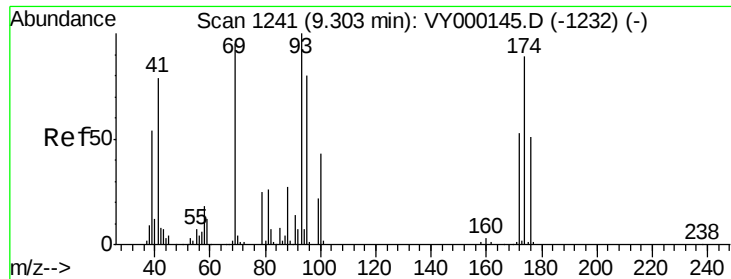
100000

50000

0

Time-->





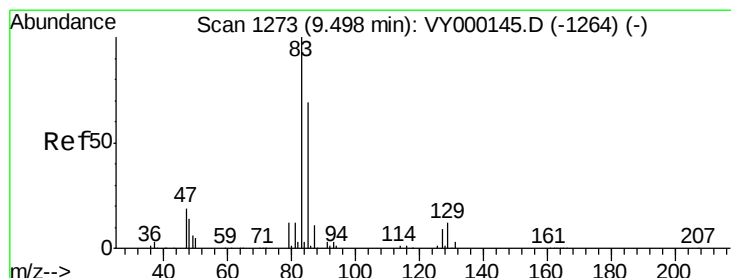
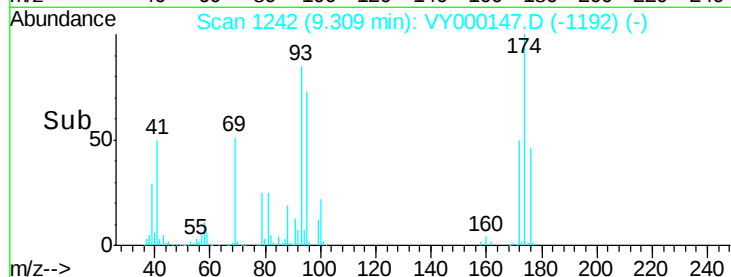
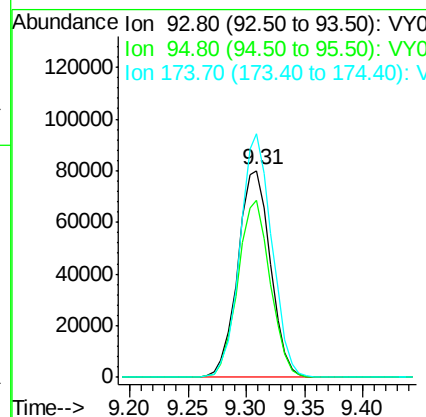
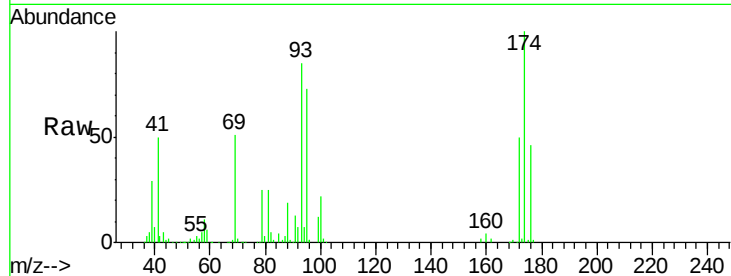
#46
Dibromomethane
Concen: 139.985 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
93	100	156698		
95	84.8	66.3	99.5	
174	114.6	87.3	130.9	

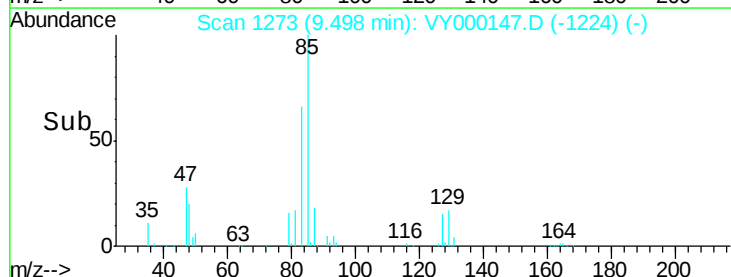
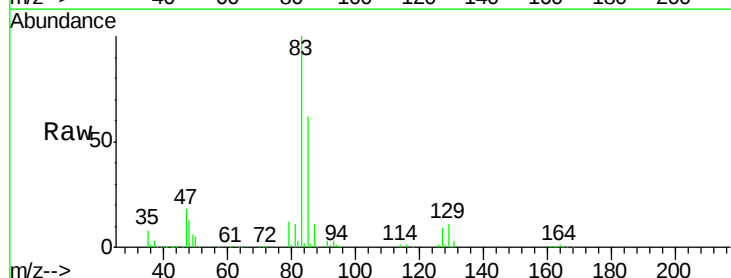
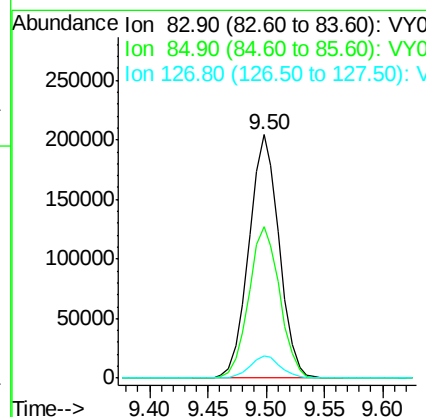
Manual Integrations
APPROVED

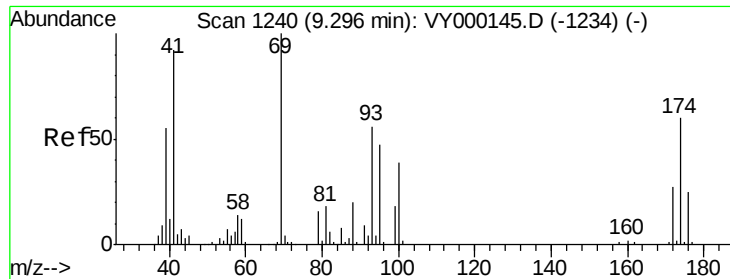
MMDadoda
10/2/2019 9:13:05 AM



#47
Bromodichloromethane
Concen: 146.193 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	368868		
85	62.0	55.1	82.7	
127	9.1	6.9	10.3	





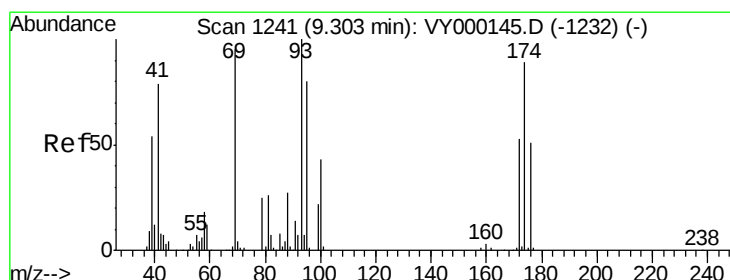
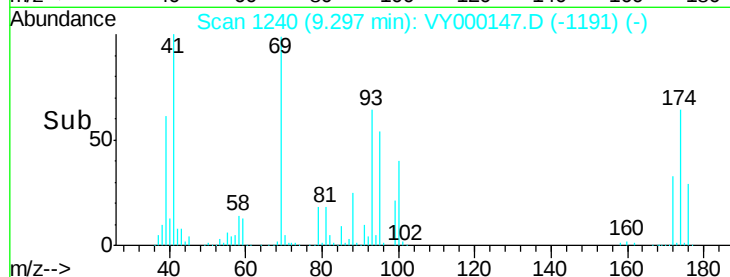
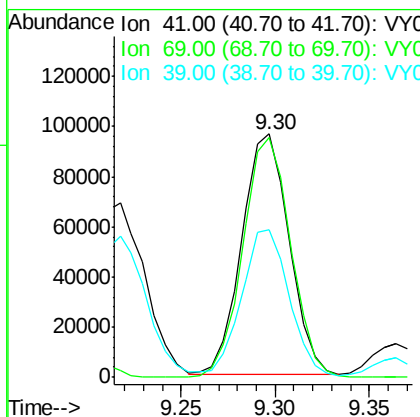
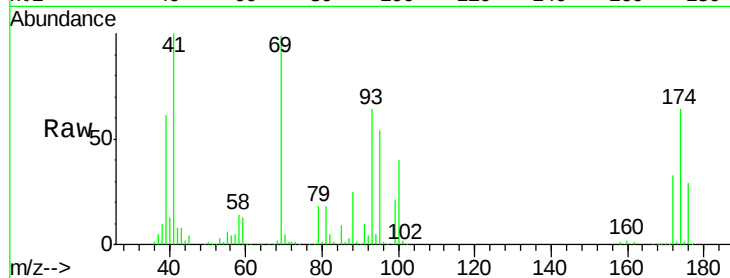
#48
Methvl methacrylate
Concen: 144.869 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	166621		
69	100.9	86.5	129.7	
39	62.6	51.0	76.6	

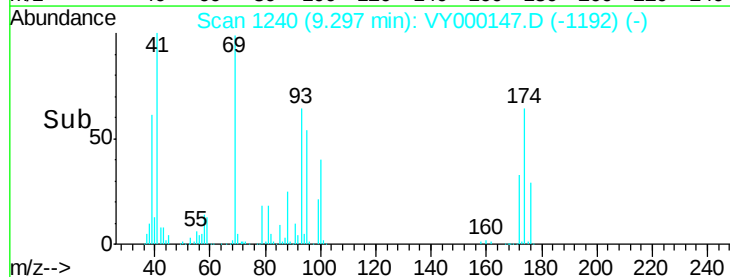
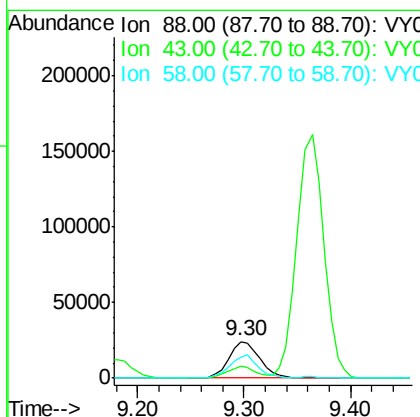
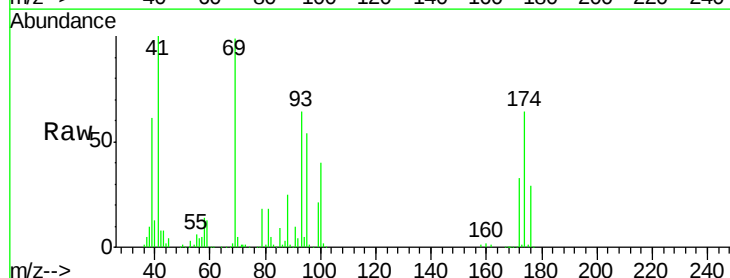
Manual Integrations
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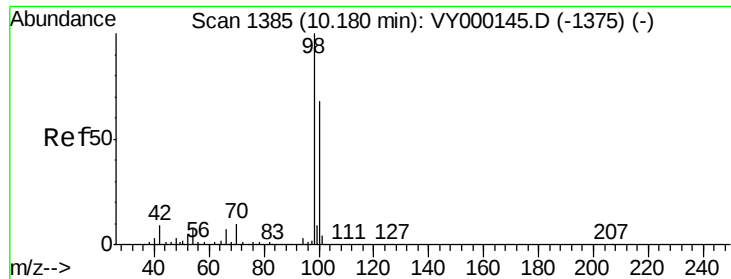
MMDadoda
10/2/2019 9:13:05 AM



#49
1,4-Dioxane
Concen: 2842.808 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	49164		
43	29.4	24.4	36.6	
58	57.7	49.2	73.8	





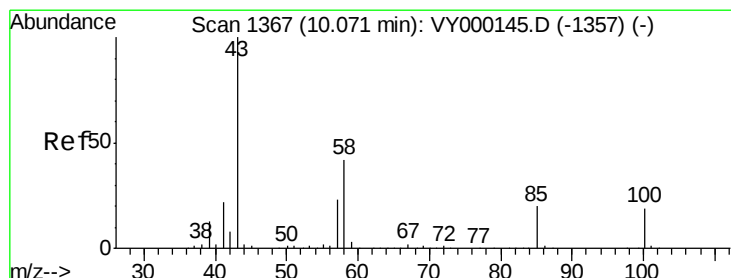
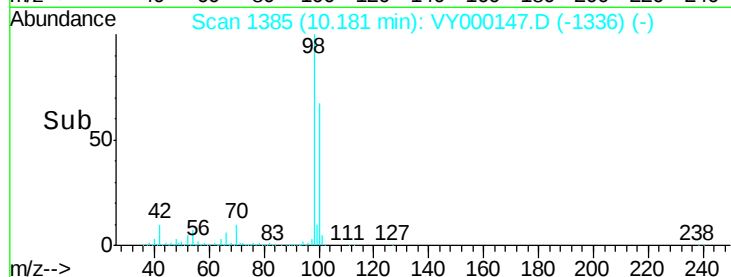
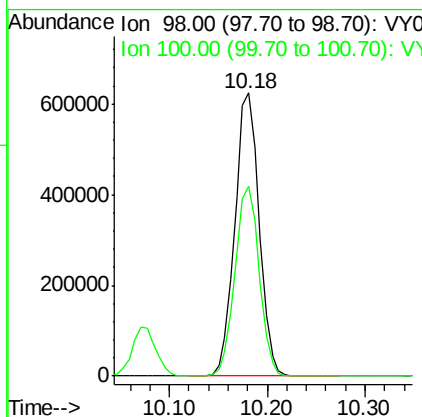
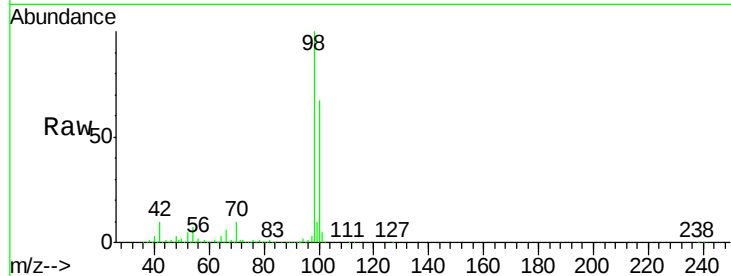
#50
Toluene-d8
Concen: 152.973 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion: 98 Resp: 1073759
Ion Ratio Lower Upper
98 100
100 67.0 54.2 81.2

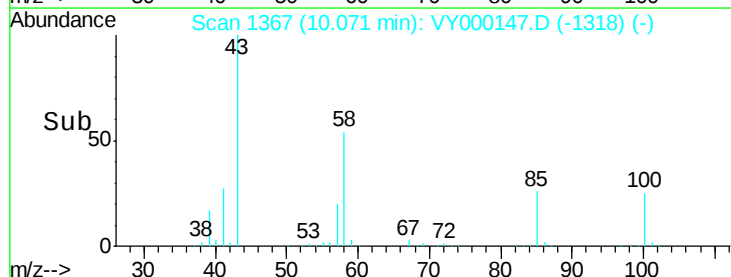
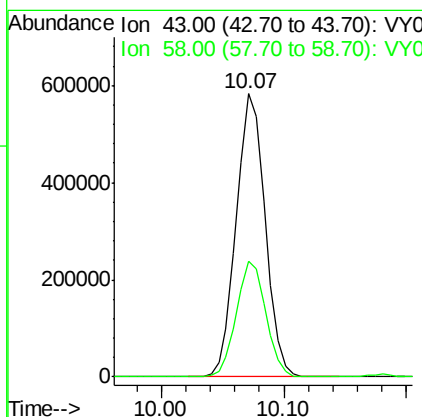
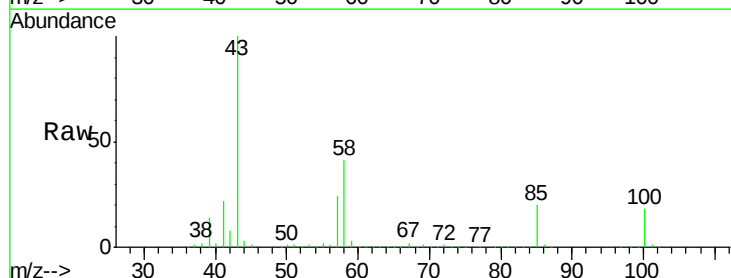
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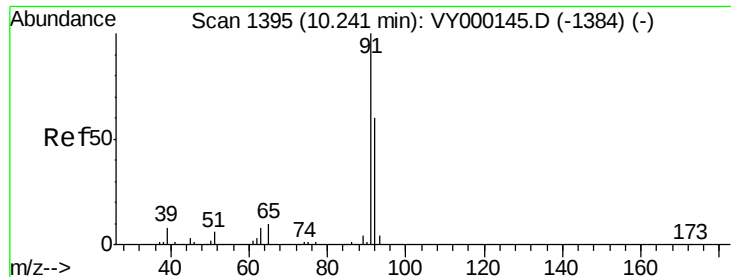
MMDadoda
10/2/2019 9:13:05 AM



#51
4-Methyl-2-Pentanone
Concen: 716.644 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion: 43 Resp: 955401
Ion Ratio Lower Upper
43 100
58 41.5 33.6 50.4





#52

Toluene

Concen: 142.250 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 92 Resp: 765984

Ion Ratio Lower Upper

92 100

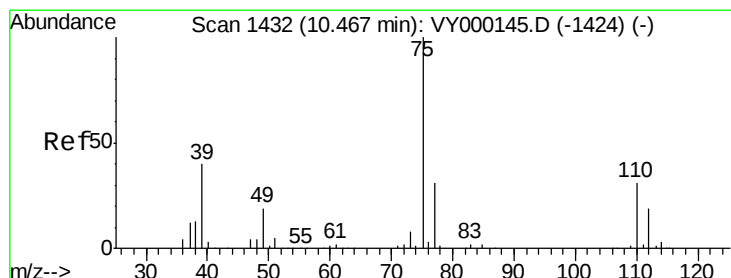
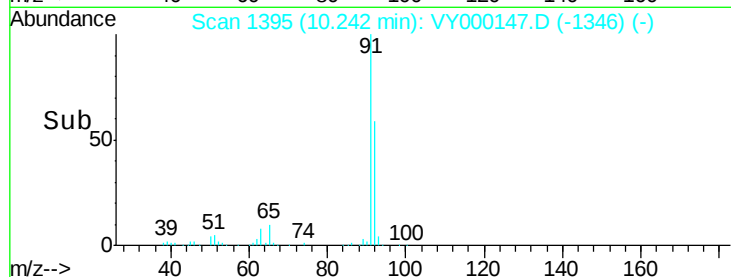
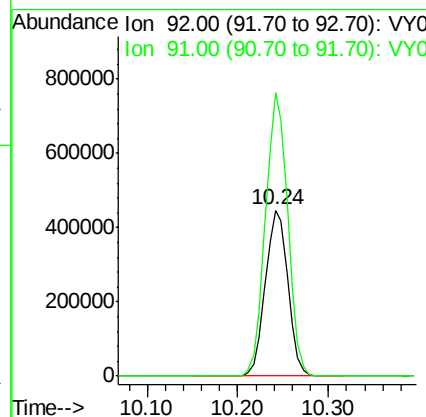
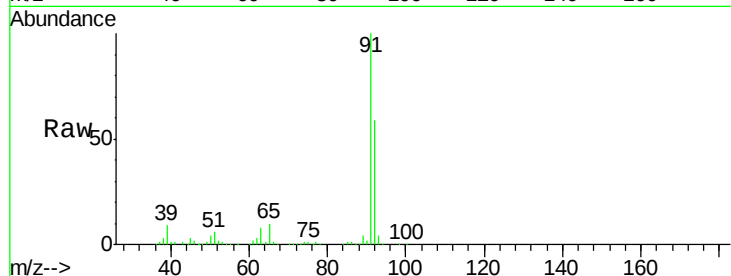
91 169.1 134.6 201.8

Manual Integrations

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MMDadoda

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#53

t-1,3-Dichloropropene

Concen: 146.531 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000147.D

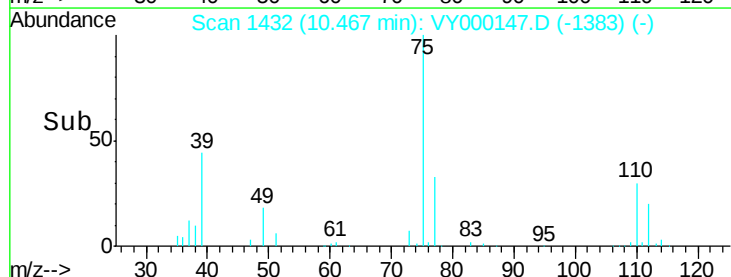
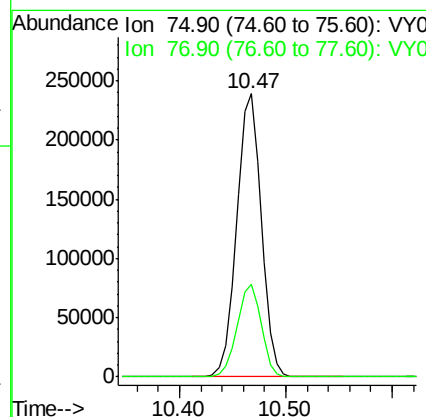
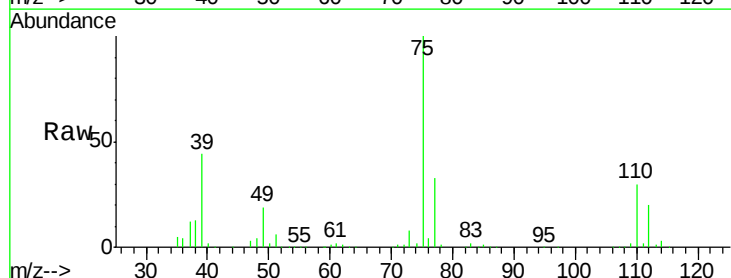
Acq: 26 Sep 2019 12:19

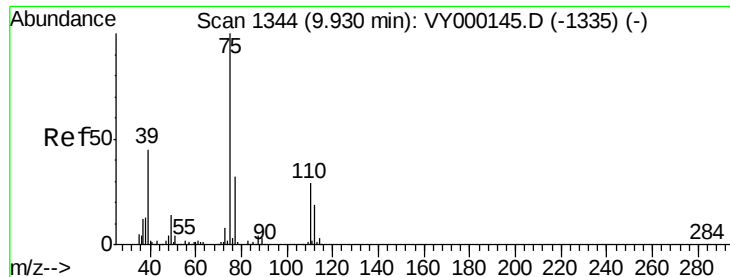
Tgt Ion: 75 Resp: 388367

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4





#54

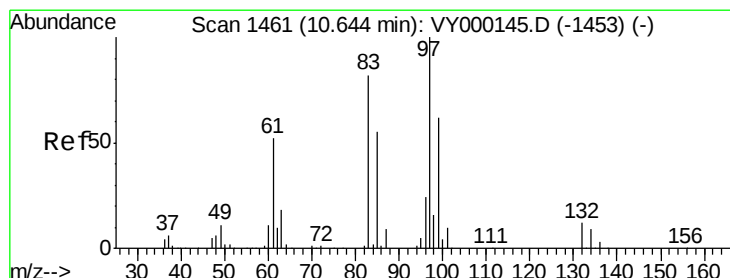
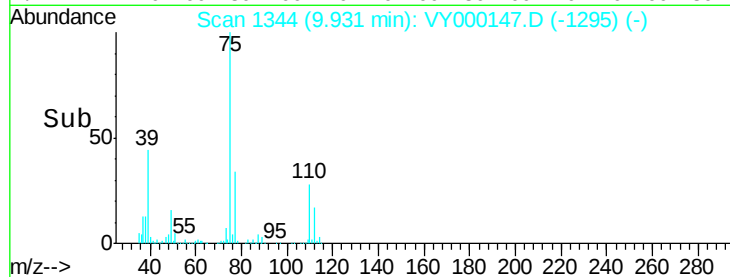
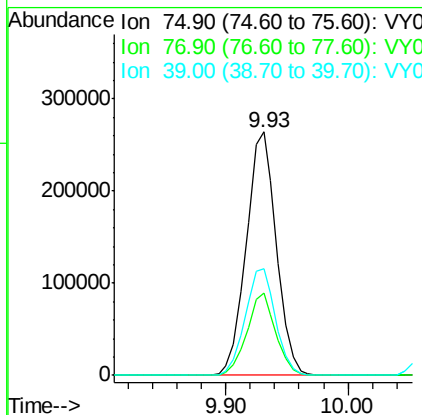
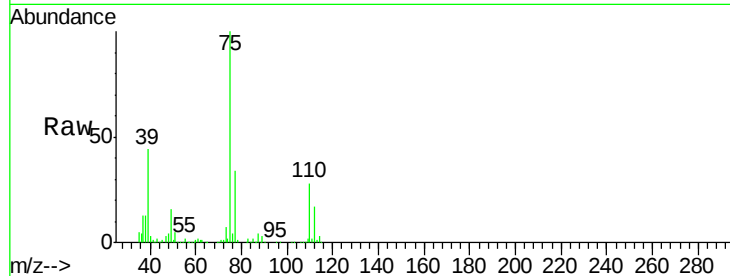
cis-1,3-Dichloropropene
 Concen: 143.586 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.4	38.0
39	43.7	35.8	53.6

Manual Integrations
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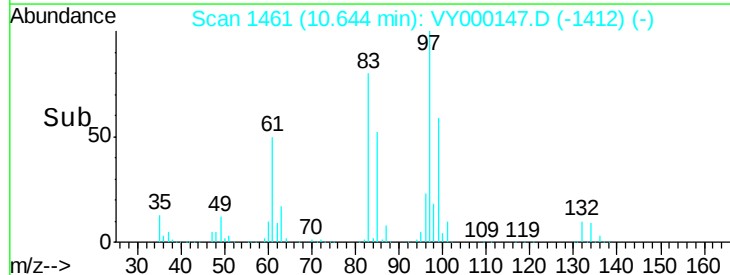
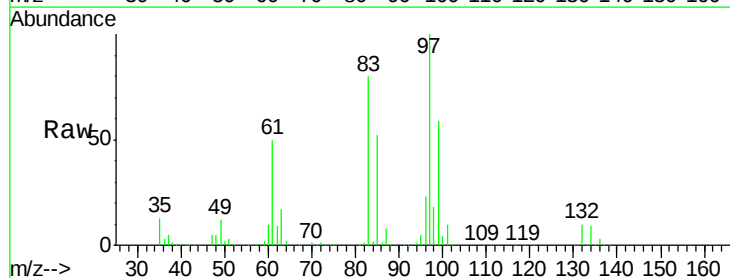
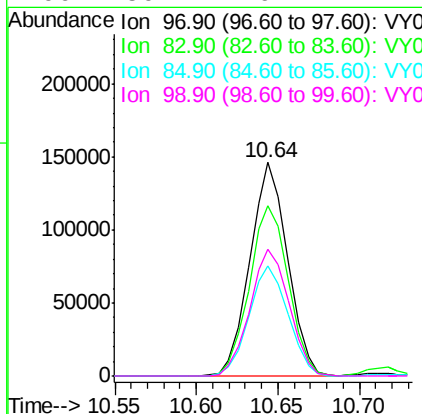
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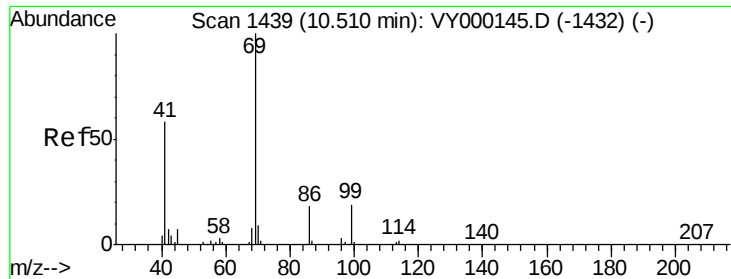


#55

1,1,2-Trichloroethane
 Concen: 140.734 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.7	98.5
85	51.8	44.1	66.1
99	59.1	49.4	74.2





#56

Ethyl methacrylate

Concen: 144.341 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

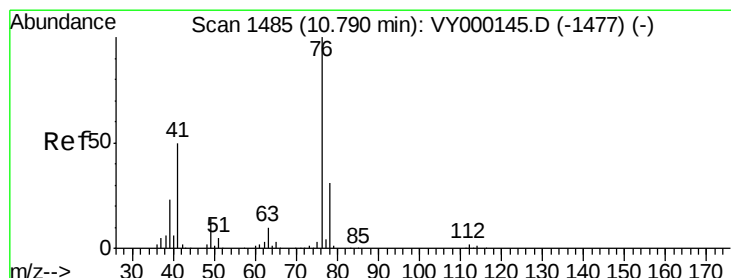
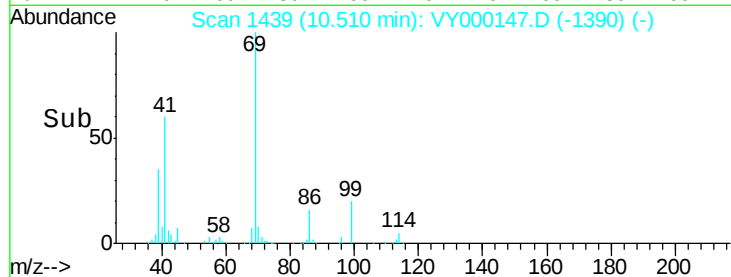
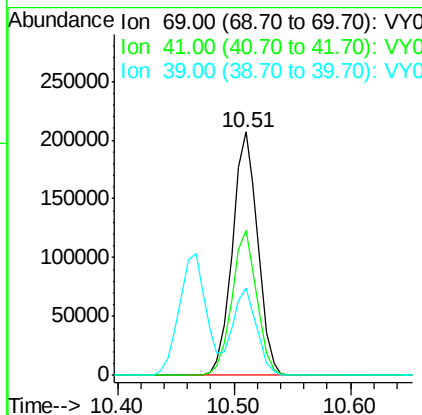
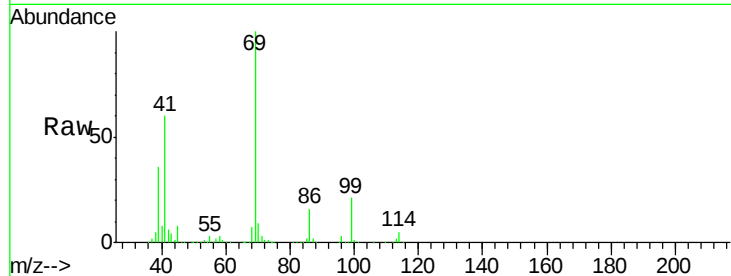
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	312511
Ion	Ratio	Lower	Upper
69	100		
41	58.2	45.8	68.8
39	34.6	27.8	41.8

Manual Integrations
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10/2/2019 9:13:05 AM



#57

1,3-Dichloropropane

Concen: 140.404 ug/l

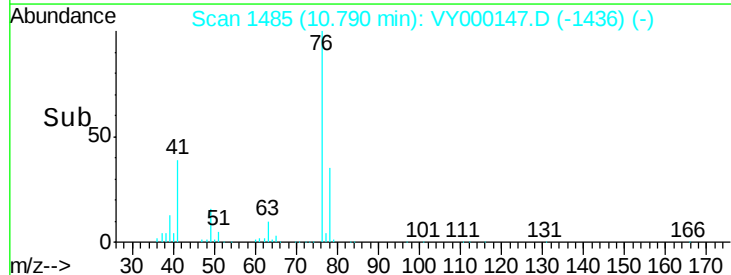
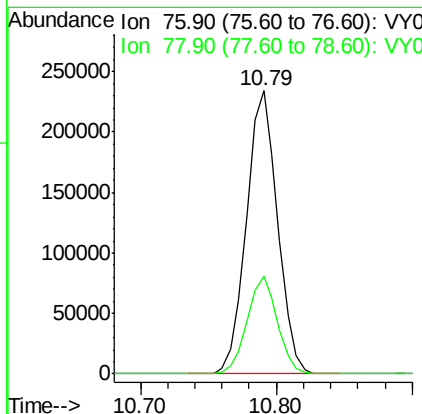
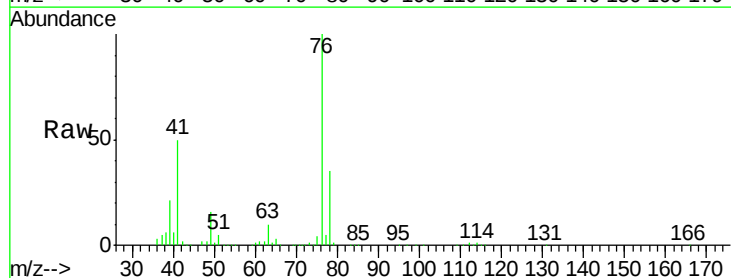
RT: 10.79 min Scan# 1485

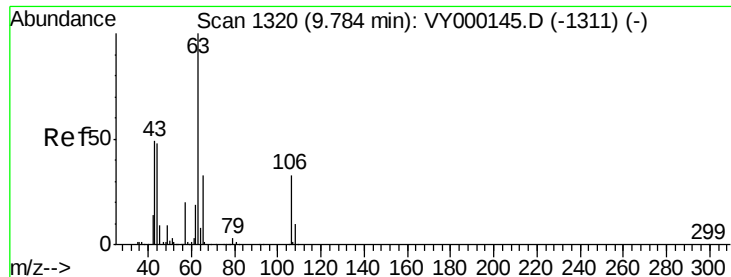
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	76	Resp:	375539
Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.4	38.0





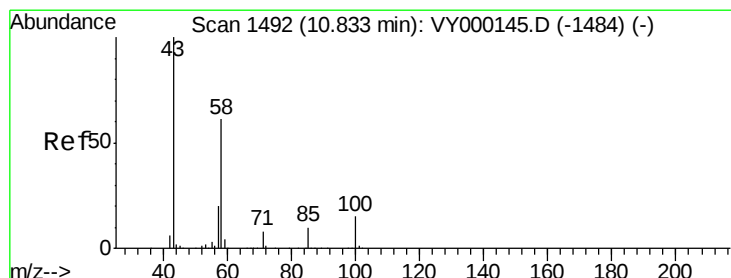
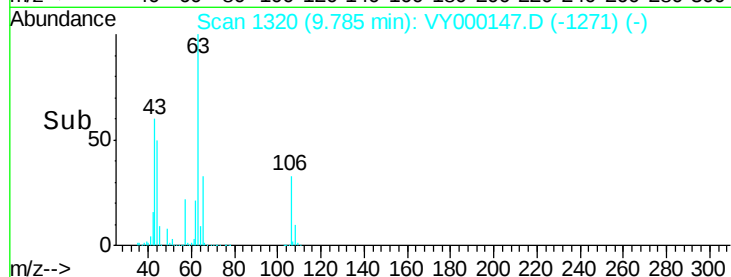
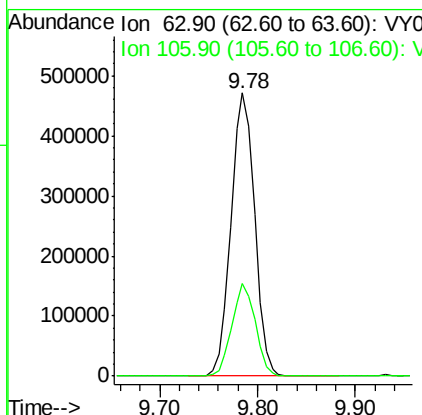
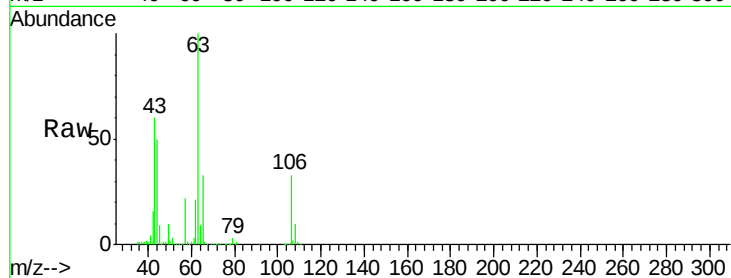
#58
 2-Chloroethyl Vinyl ether
 Concen: 775.206 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
106	32.4	27.0	40.6

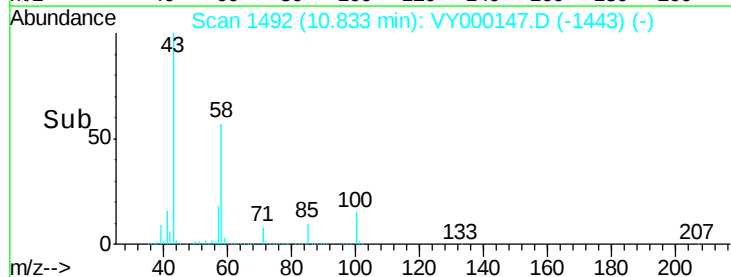
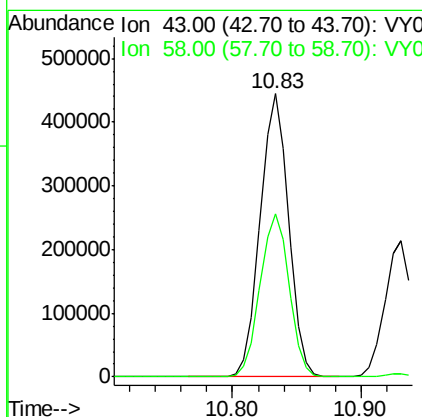
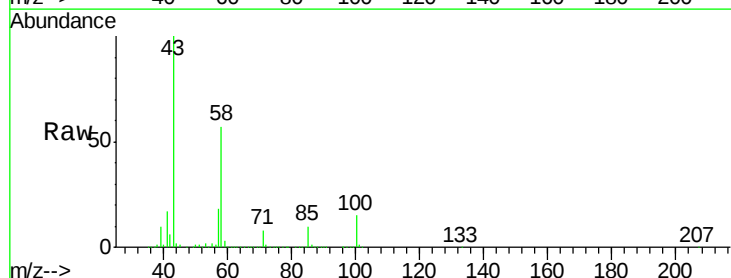
Manual Integrations
 APPROVED

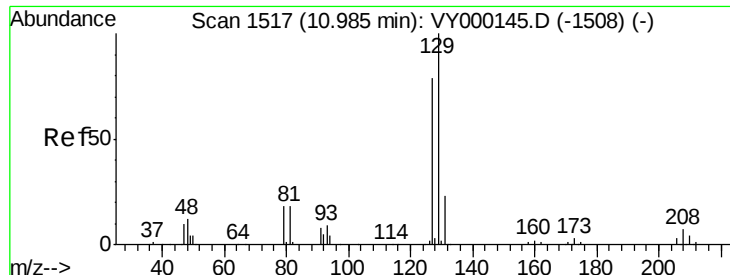
MMDadoda
 10/2/2019 9:13:05 AM



#59
 2-Hexanone
 Concen: 715.979 ug/l
 RT: 10.83 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.5	88.5





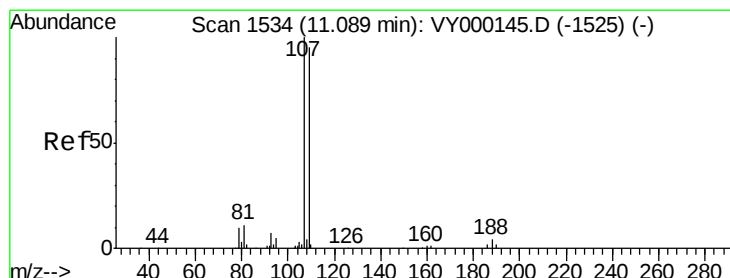
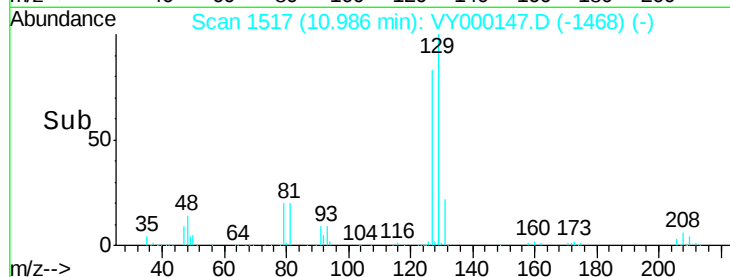
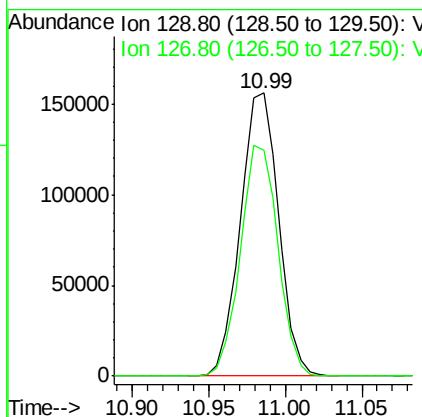
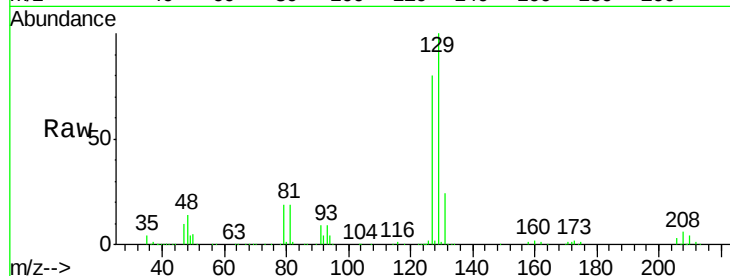
#60
Dibromochloromethane
Concen: 144.227 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
129	100	271369		
127	79.9	39.4	118.1	

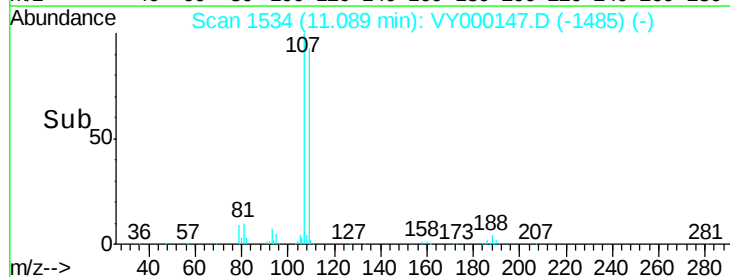
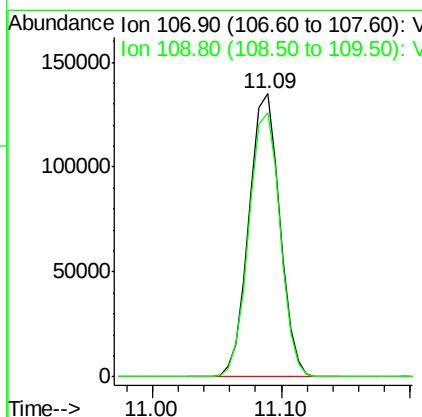
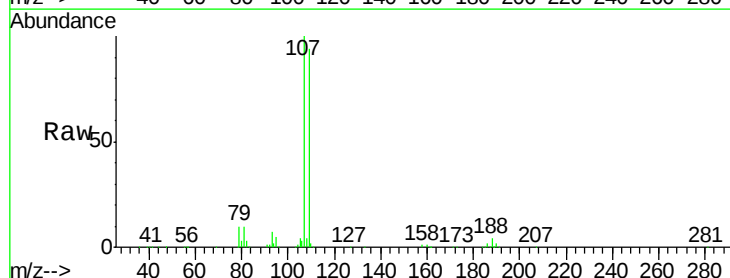
Manual Integrations
APPROVED

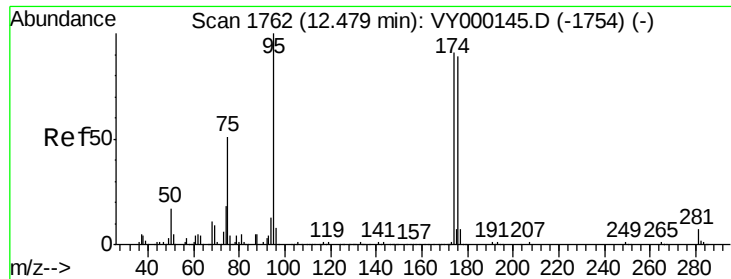
MMDadoda
10/2/2019 9:13:05 AM



#61
1,2-Dibromoethane
Concen: 140.136 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	222580		
109	94.9	75.8	113.8	





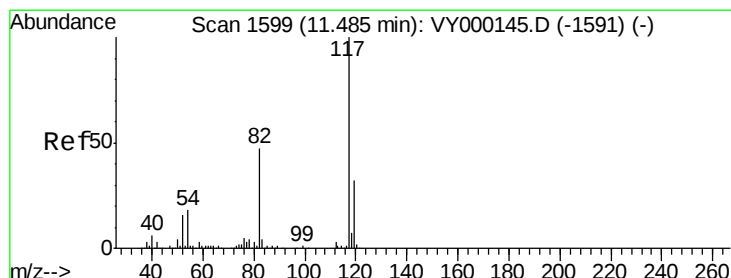
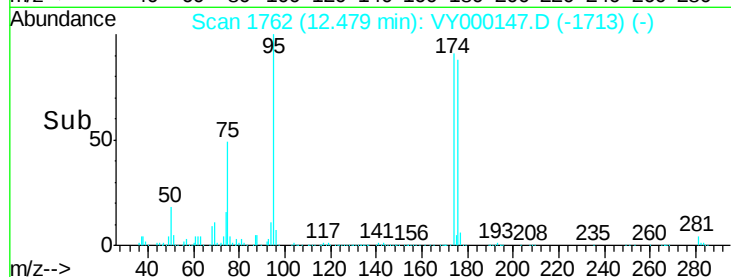
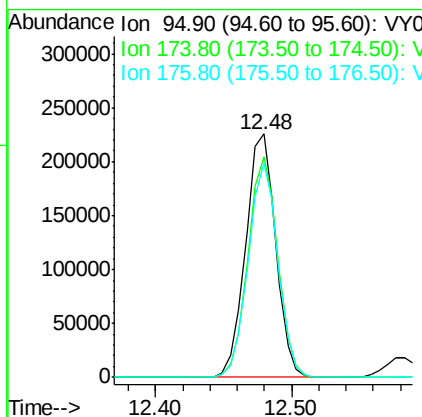
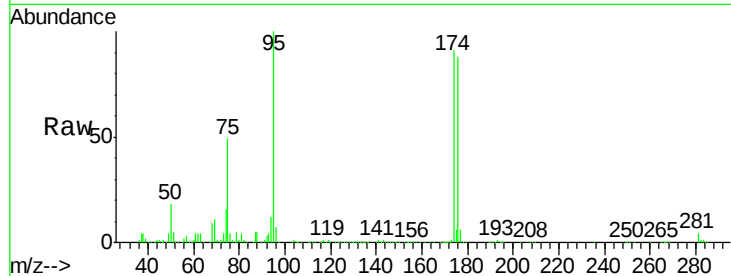
#62
4-Bromofluorobenzene
Concen: 136.702 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
95	100	349745		
174	89.9	0.0	180.6	
176	86.8	0.0	171.6	

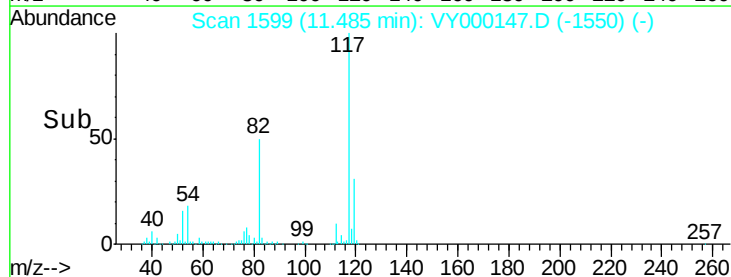
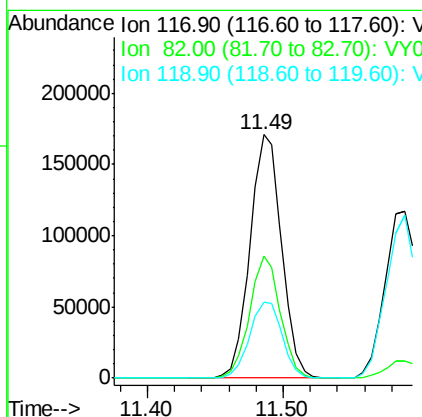
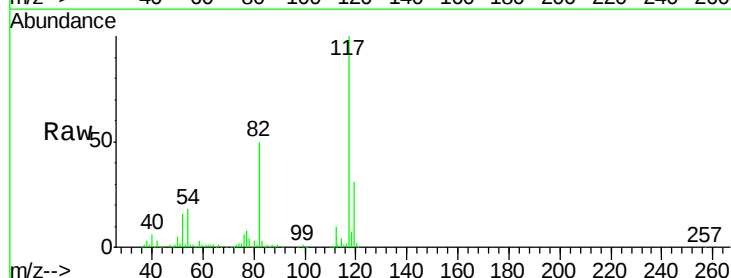
Manual Integrations
APPROVED

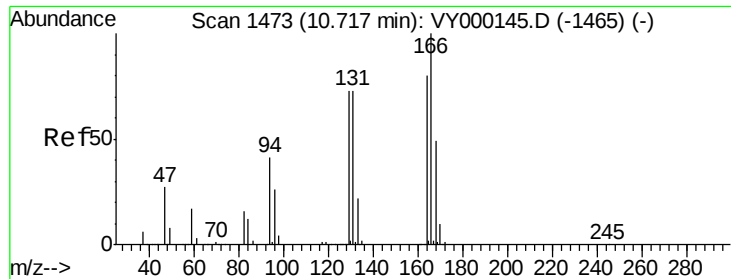
MMDadoda
10/2/2019 9:13:05 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	278008		
82	50.1	37.7	56.5	
119	31.4	25.4	38.2	





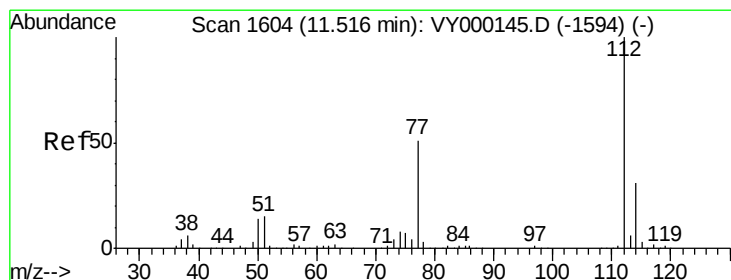
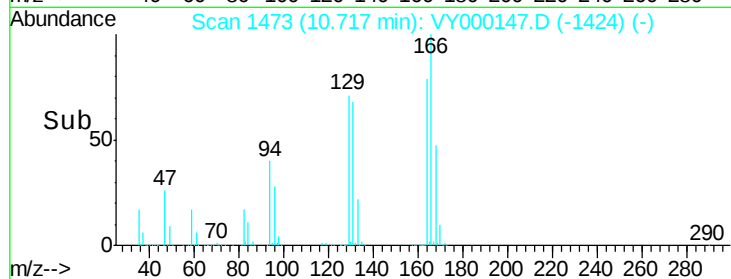
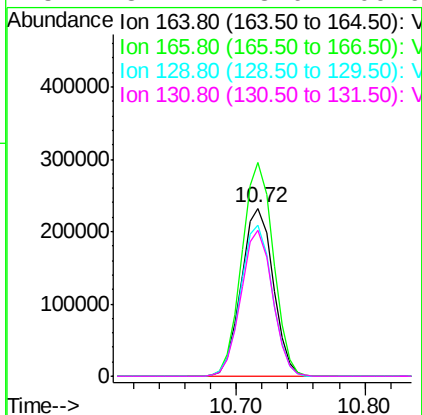
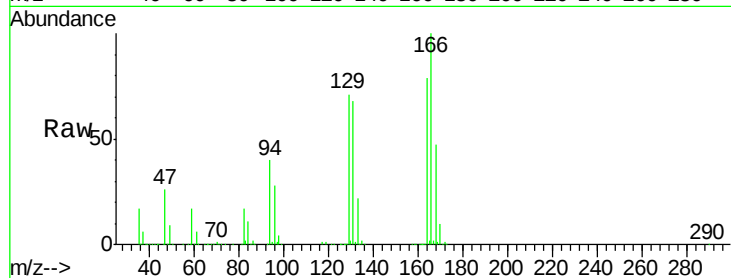
#64
Tetrachloroethene
Concen: 143.947 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.3	99.5	149.3	
129	89.9	72.8	109.2	
131	87.1	73.0	109.6	

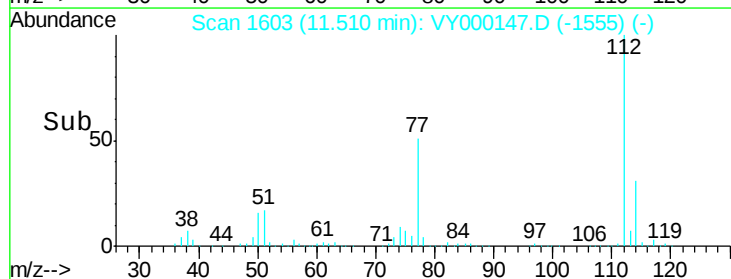
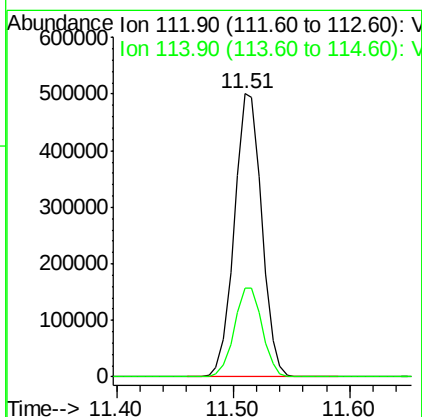
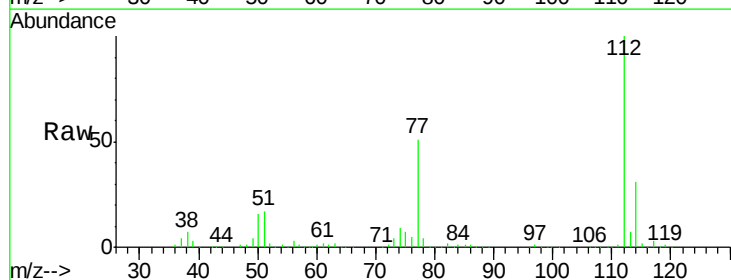
Manual Integrations
APPROVED

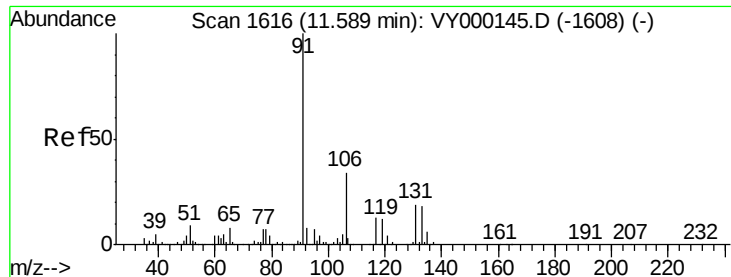
MMDadoda
10/2/2019 9:13:05 AM



#65
Chlorobenzene
Concen: 142.097 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.4	25.1	37.7	





#66

1,1,1,2-Tetrachloroethane

Concen: 143.782 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

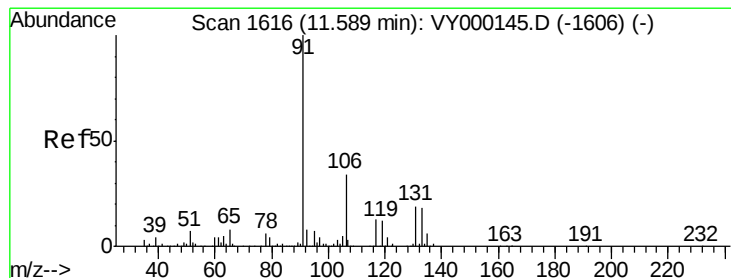
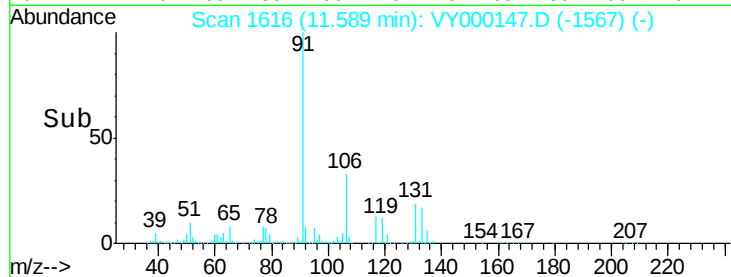
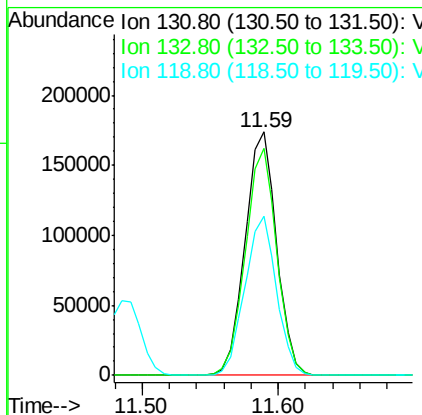
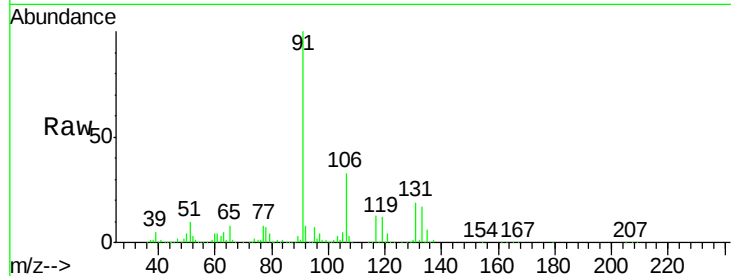
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.2	141.6
119	65.7	32.3	96.9

Manual Integrations
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#67

Ethyl Benzene

Concen: 142.774 ug/l

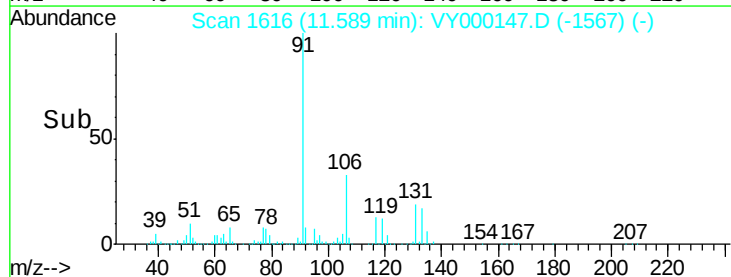
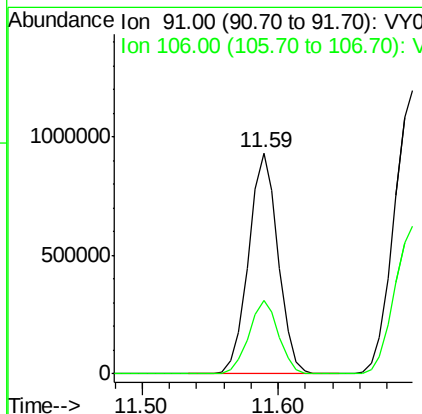
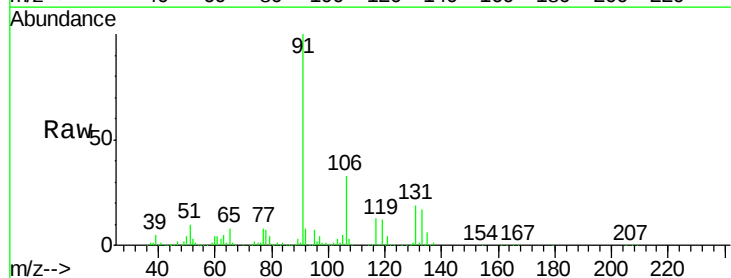
RT: 11.59 min Scan# 1616

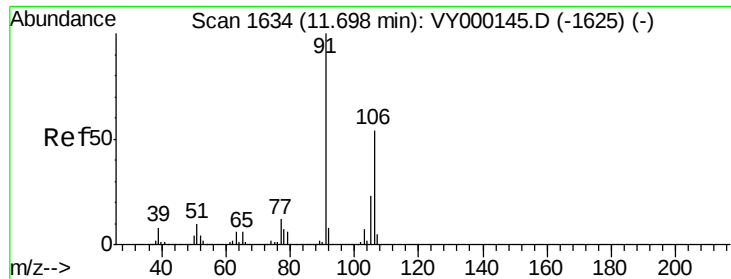
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.1	27.3	40.9





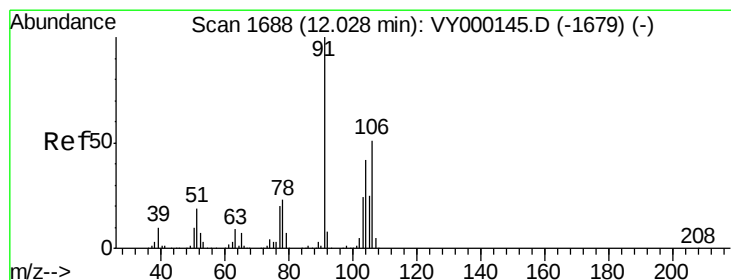
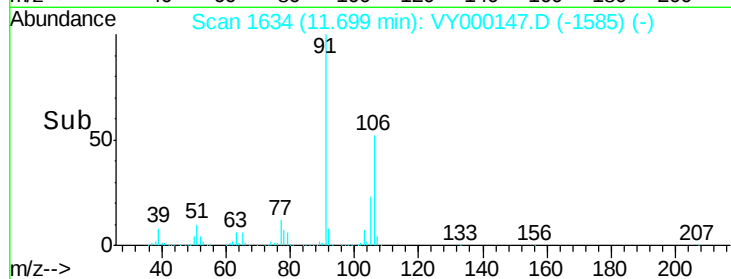
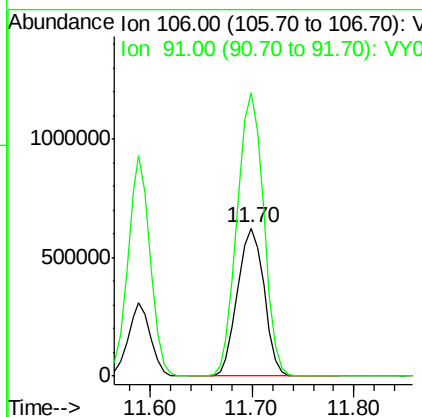
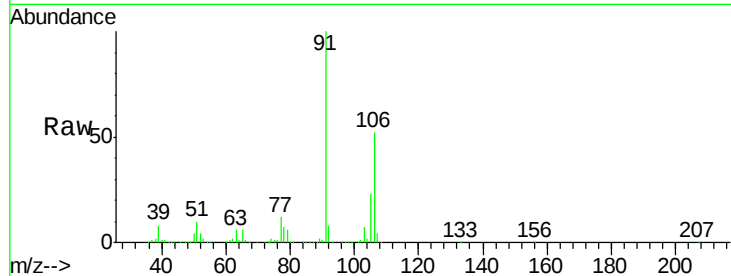
#68
m/p-Xylenes
Concen: 281.750 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1126414
Ion Ratio Lower Upper
106 100
91 190.9 148.6 223.0

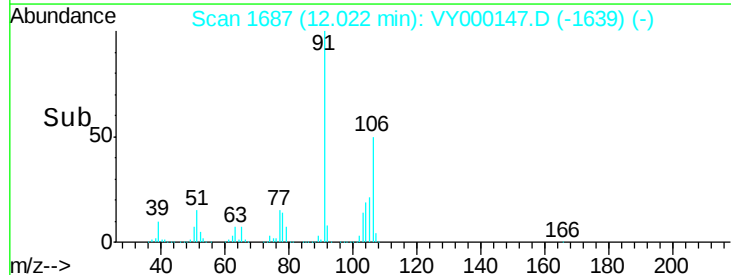
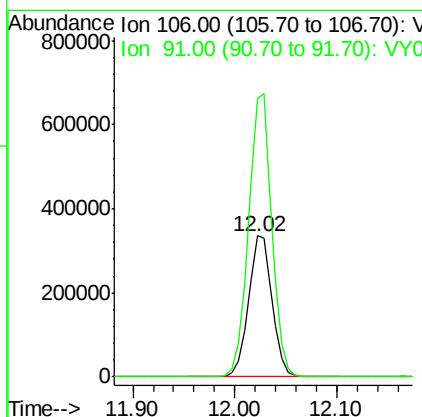
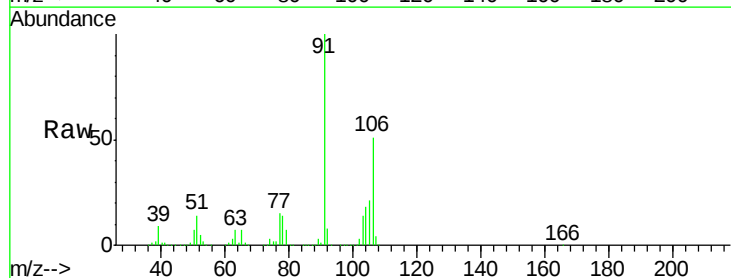
Manual Integrations
APPROVED

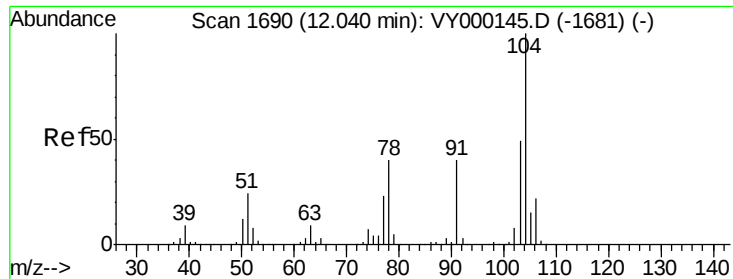
MMDadoda
10/2/2019 9:13:05 AM



#69
o-Xylene
Concen: 141.263 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion:106 Resp: 538631
Ion Ratio Lower Upper
106 100
91 198.0 98.0 293.9





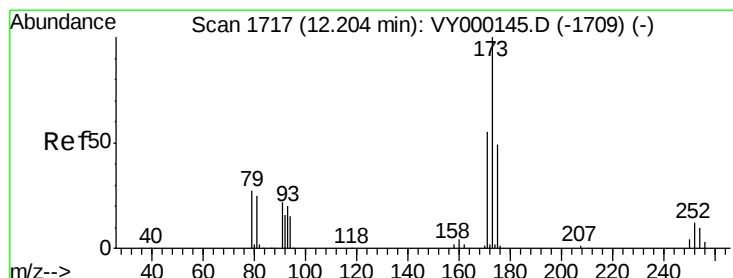
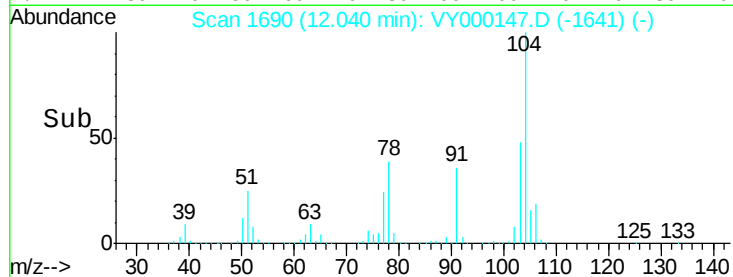
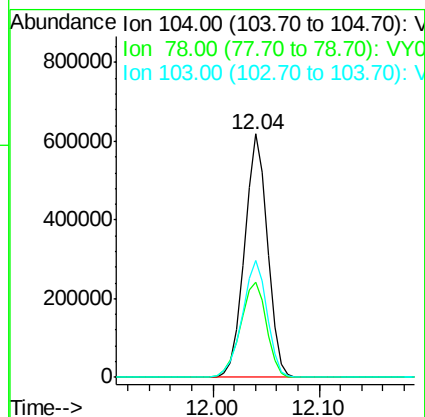
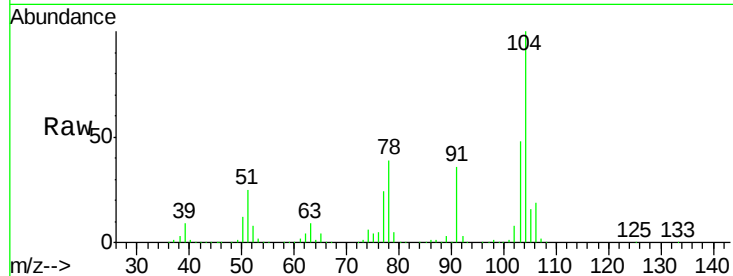
#70
Stvrene
Concen: 145.103 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	44.4	34.7	52.1		
103	52.1	41.6	62.4		

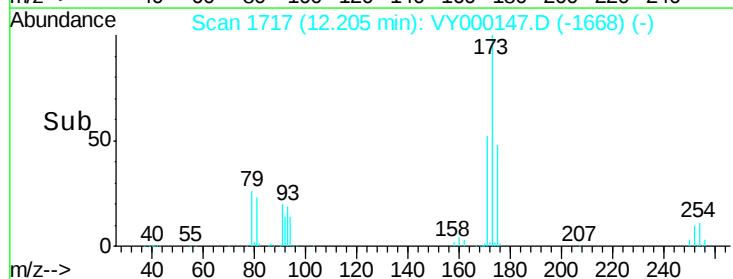
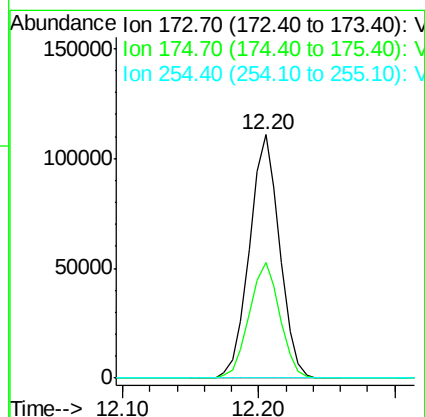
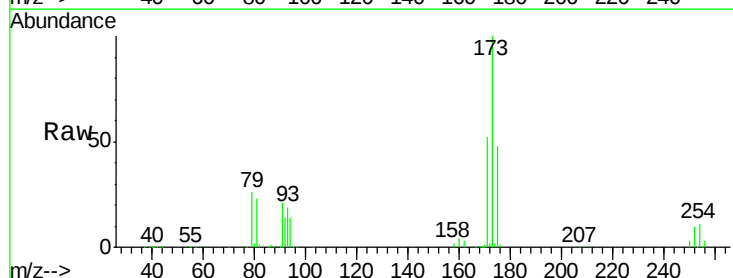
Manual Integrations
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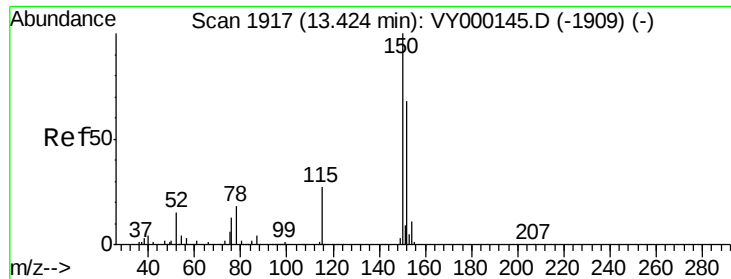
MMDadoda
10/2/2019 9:13:05 AM



#71
Bromoform
Concen: 149.596 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.2	23.5	70.6		
254	0.2	0.1	0.1#		





#72

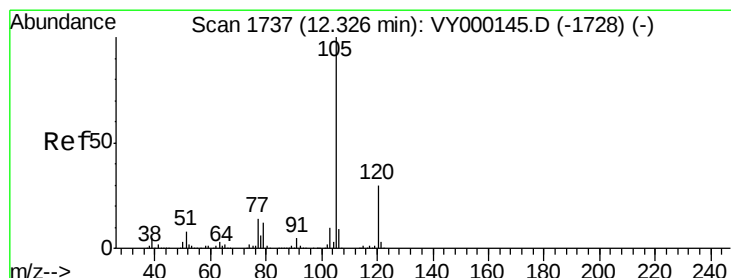
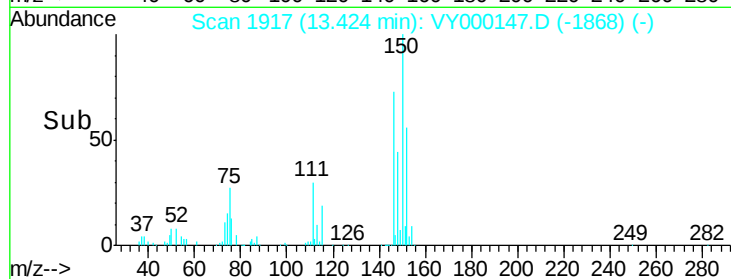
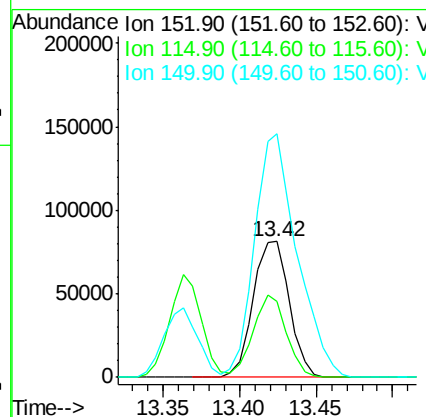
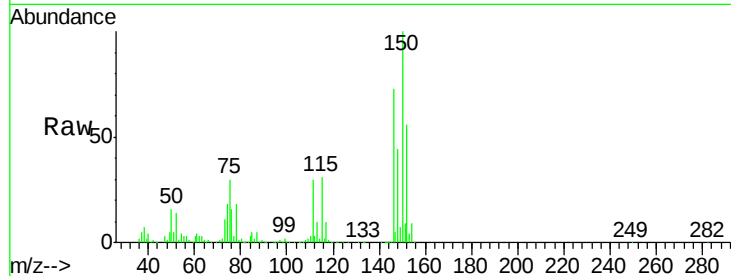
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	26.8	80.4
150	210.0	0.0	347.8

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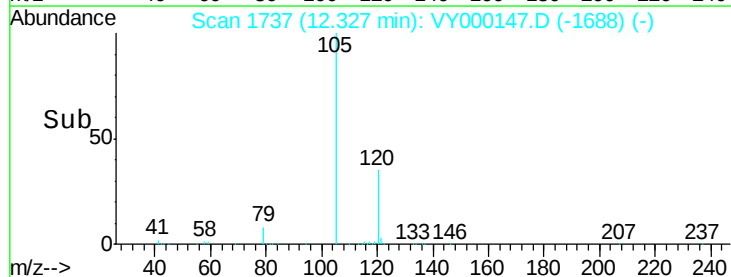
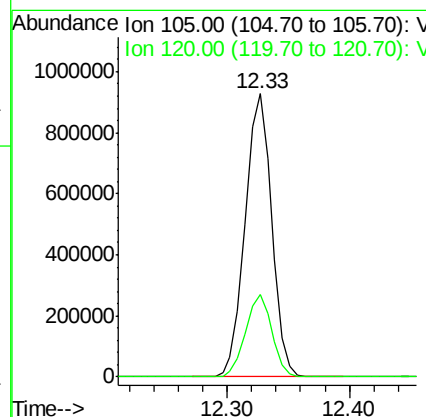
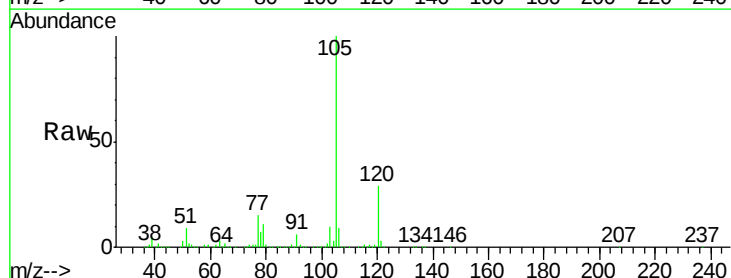
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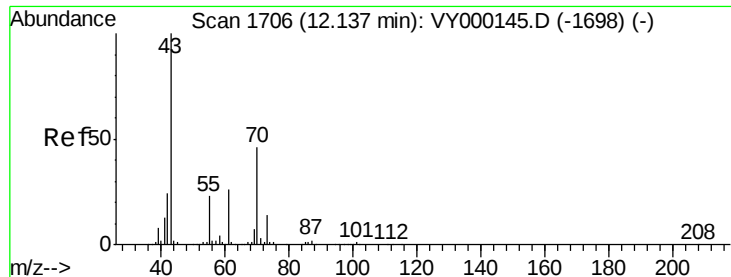


#73

Isopropylbenzene
Concen: 143.952 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.7	14.7	44.1





#74

N-amvl acetate

Concen: 149.364 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

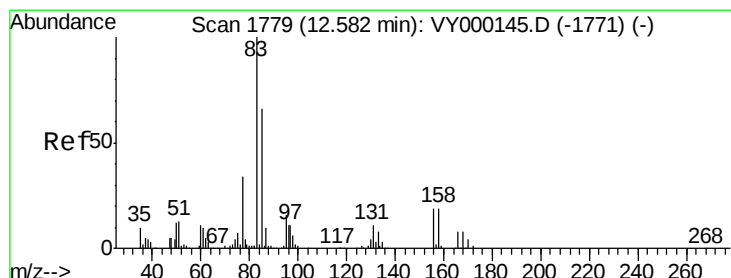
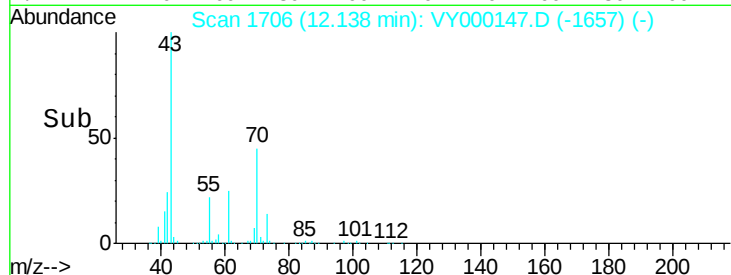
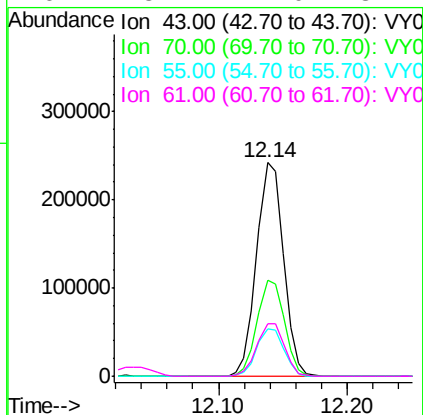
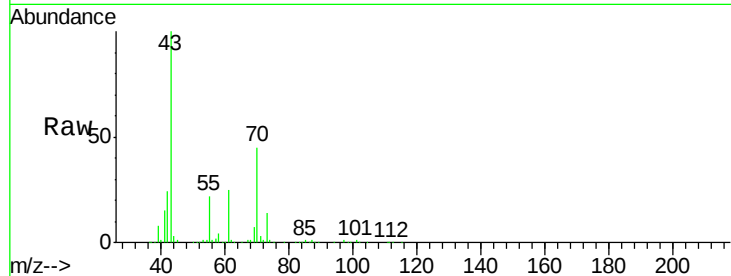
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		349746		
70	45.6	37.3	55.9		
55	22.7	18.6	27.8		
61	25.4	21.0	31.4		

Manual Integrations
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10/2/2019 9:13:05 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 134.884 ug/l

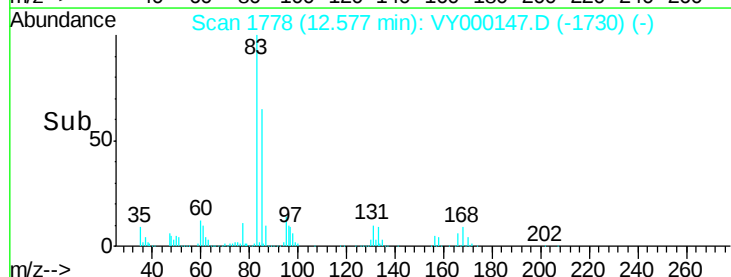
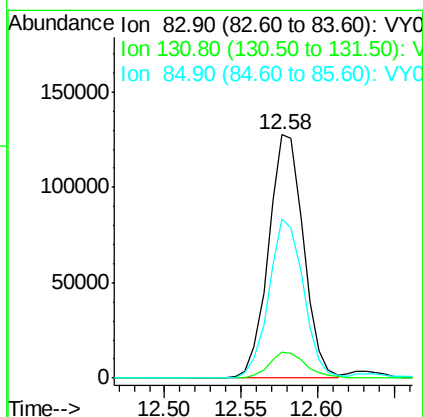
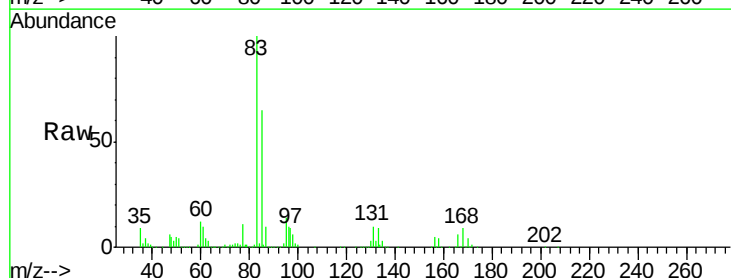
RT: 12.58 min Scan# 1778

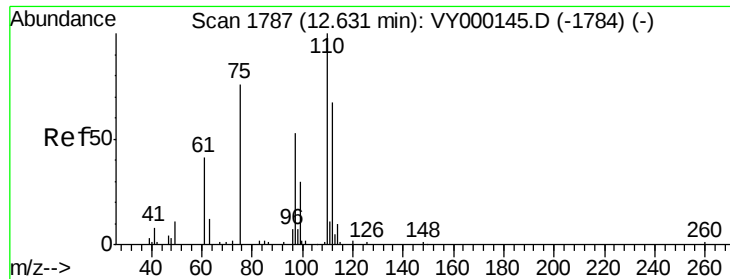
Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		203105		
131	11.4	5.4	16.2		
85	64.8	32.5	97.5		





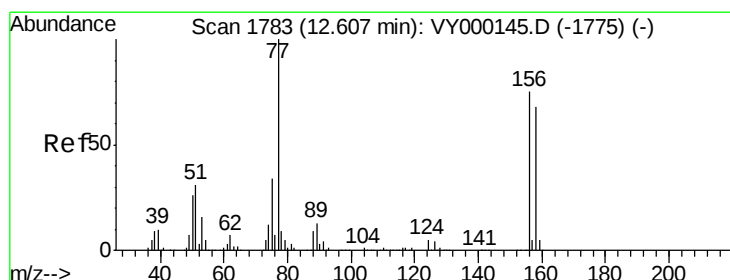
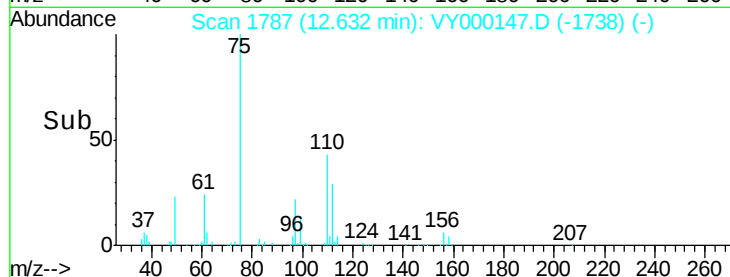
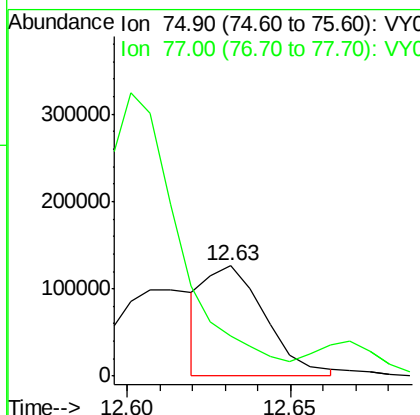
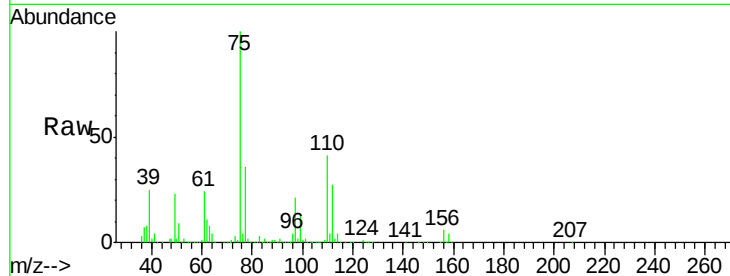
#76
 1,2,3-Trichloropropane
 Concen: 122.671 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

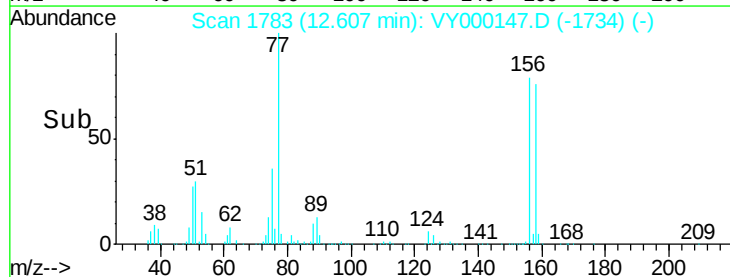
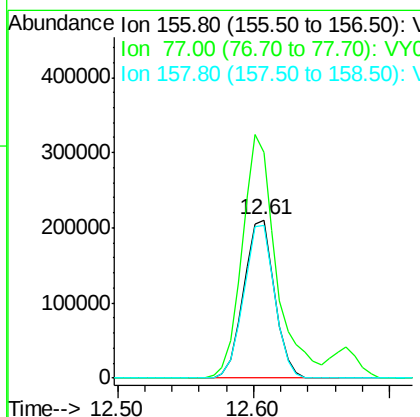
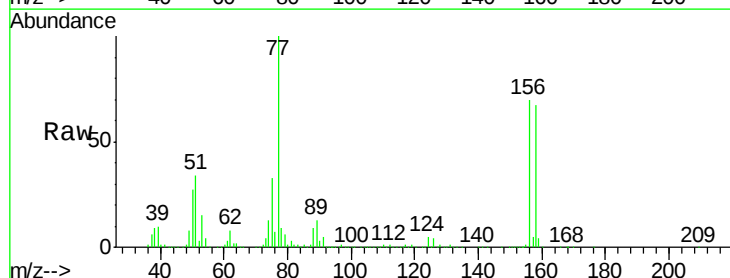
Manual Integrations
 APPROVED

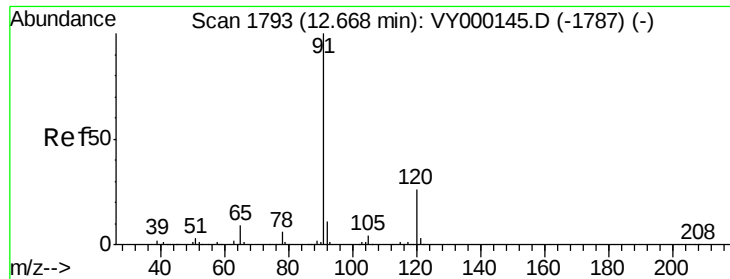
MMDadoda
 10/2/2019 9:13:05 AM



#77
 Bromobenzene
 Concen: 139.615 ug/l
 RT: 12.61 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
156	100		
77	169.1	83.0	249.2
158	96.8	47.4	142.2





#78

n-propylbenzene

Concen: 142.362 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1641693

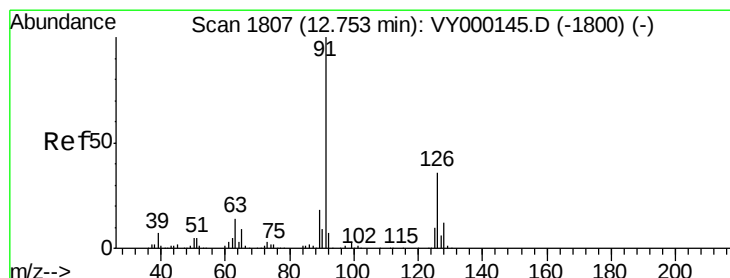
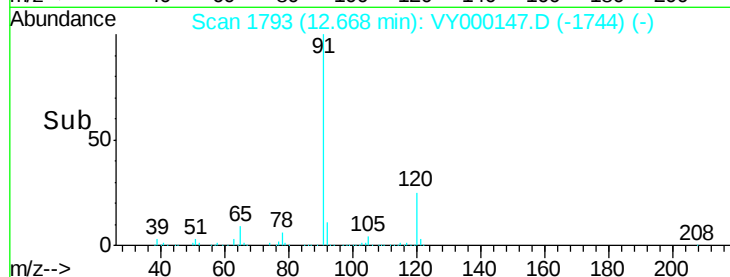
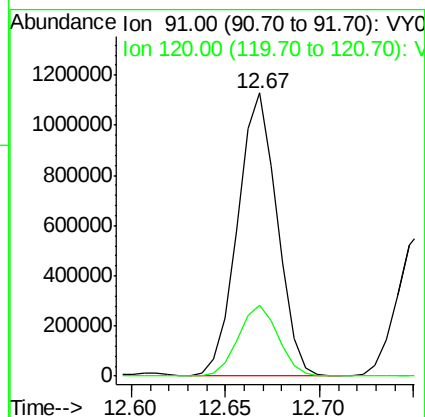
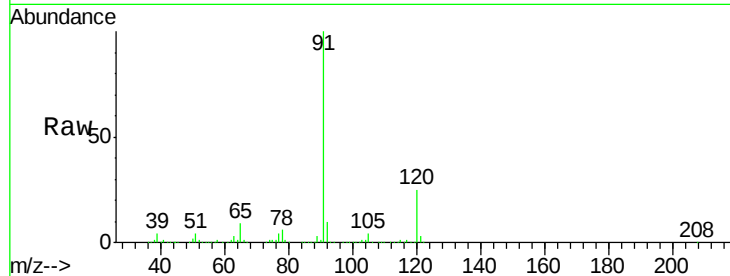
Ion Ratio Lower Upper

91 100

120 25.3 12.8 38.3

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#79

2-Chlorotoluene

Concen: 141.211 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000147.D

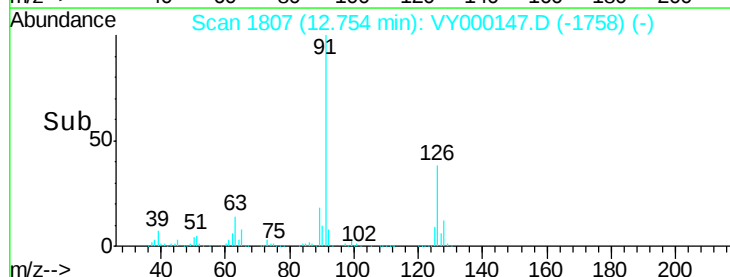
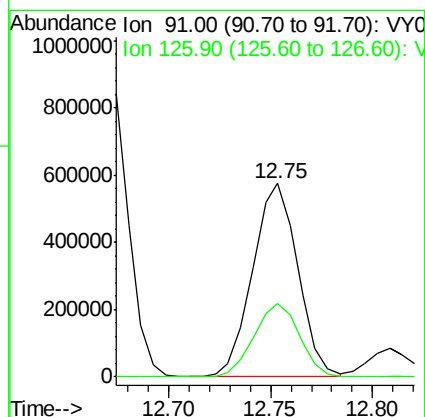
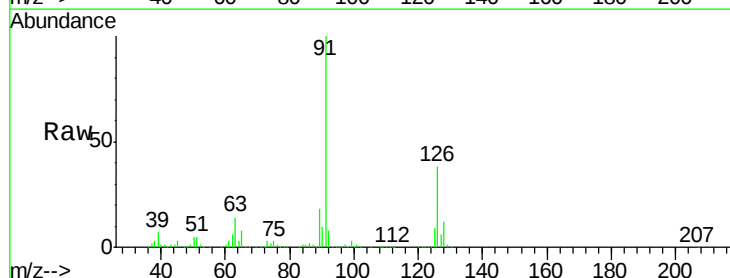
Acq: 26 Sep 2019 12:19

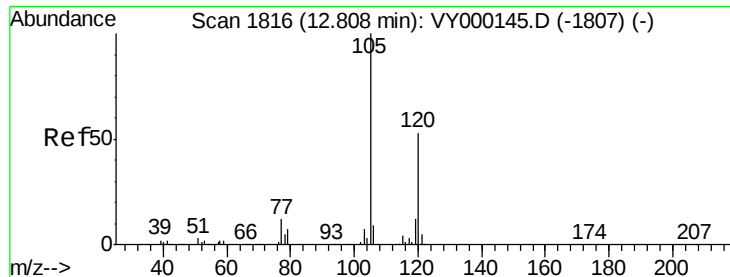
Tgt Ion: 91 Resp: 886029

Ion Ratio Lower Upper

91 100

126 38.2 19.1 57.5





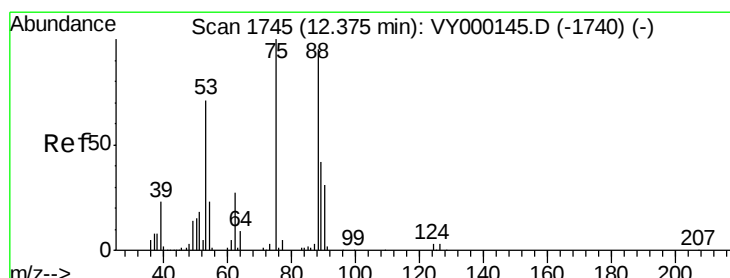
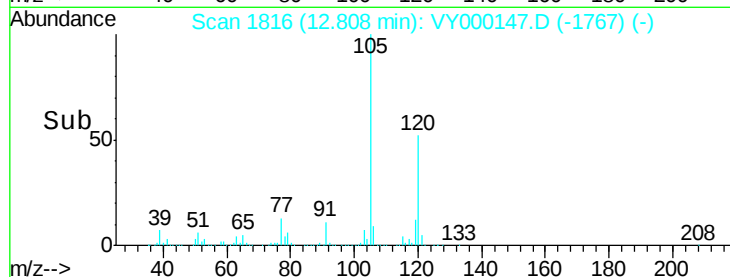
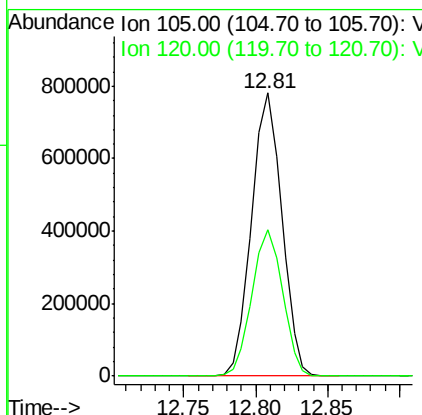
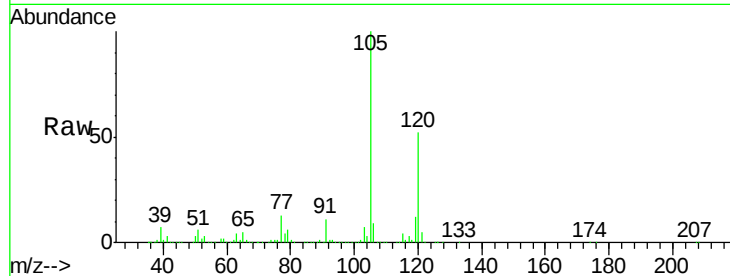
#80
 1,3,5-Trimethylbenzene
 Concen: 141.406 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1137907
 Ion Ratio Lower Upper
 105 100
 120 52.5 26.7 80.0

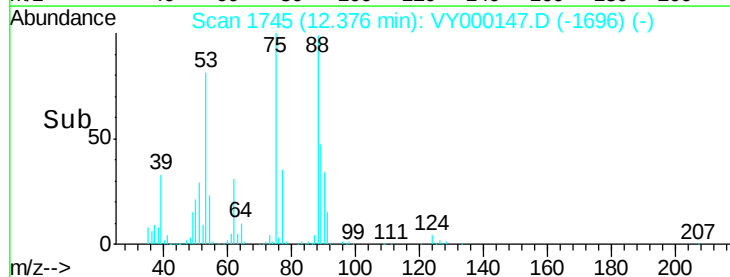
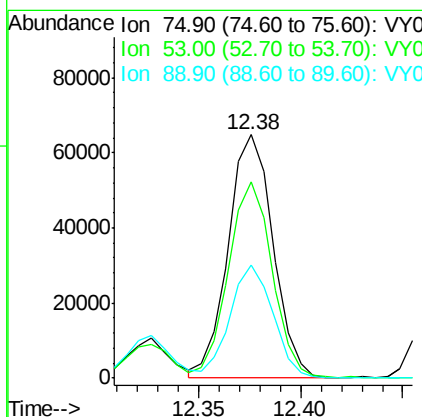
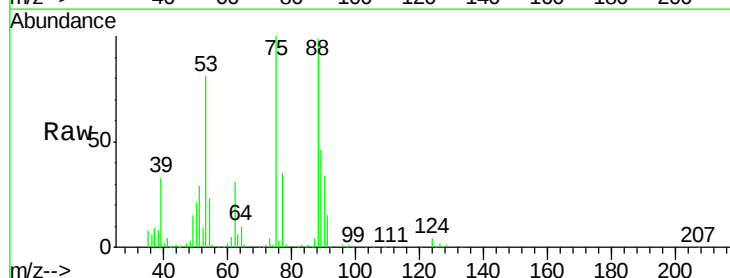
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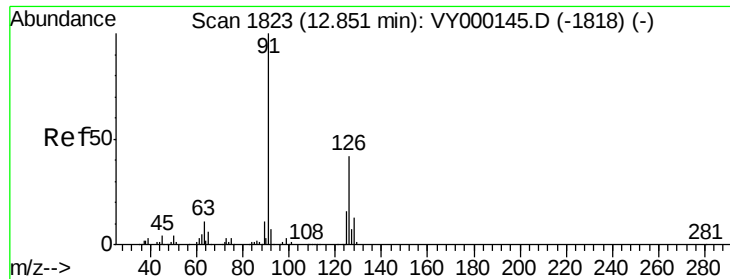
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.039 ug/l
 RT: 12.38 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion: 75 Resp: 98209
 Ion Ratio Lower Upper
 75 100
 53 79.6 61.8 92.8
 89 44.5 35.6 53.4





#82

4-Chlorotoluene

Concen: 143.005 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 934889

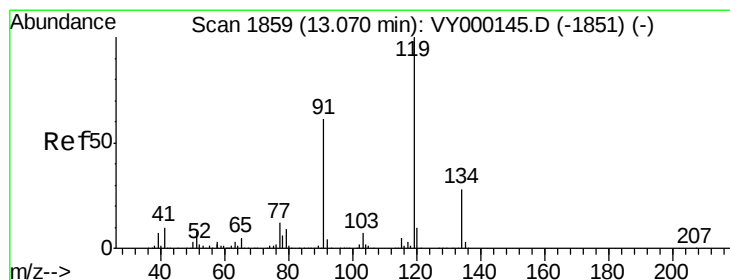
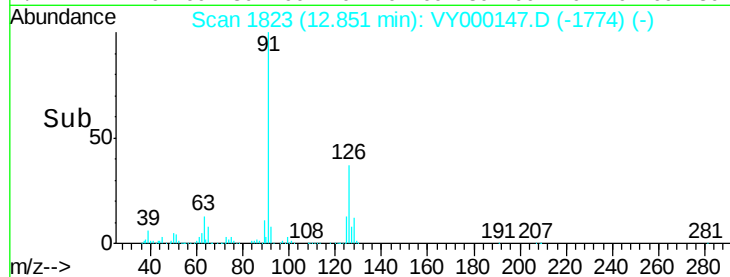
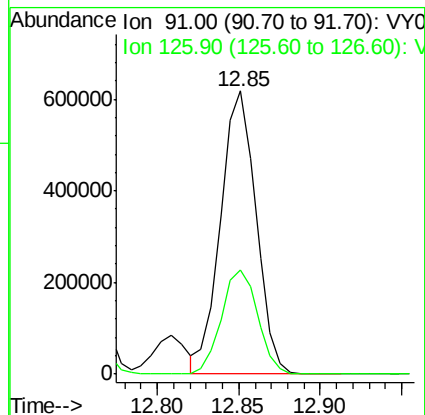
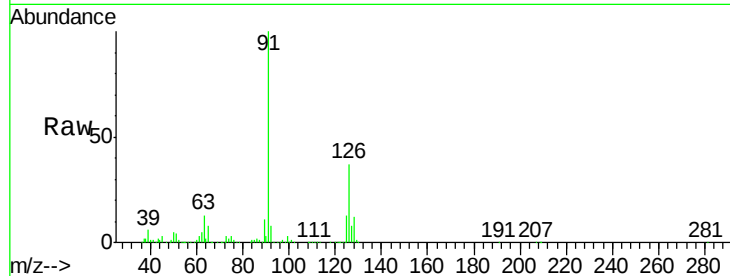
Ion Ratio Lower Upper

91 100

126 37.8 19.4 58.2

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#83

tert-Butylbenzene

Concen: 140.103 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

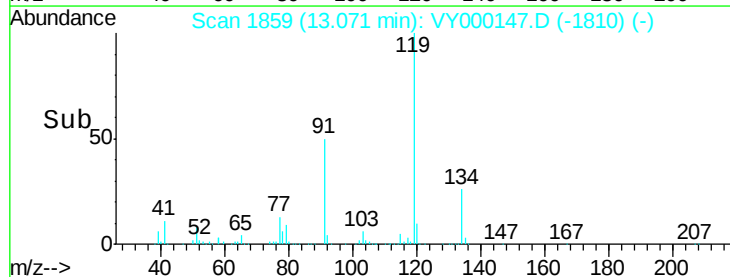
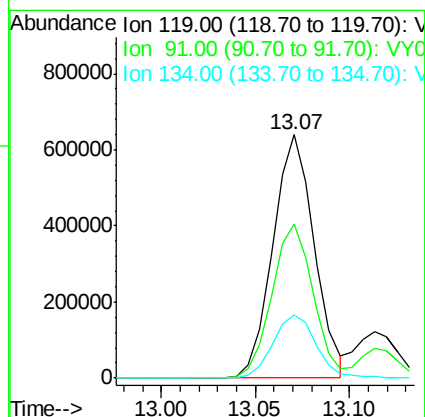
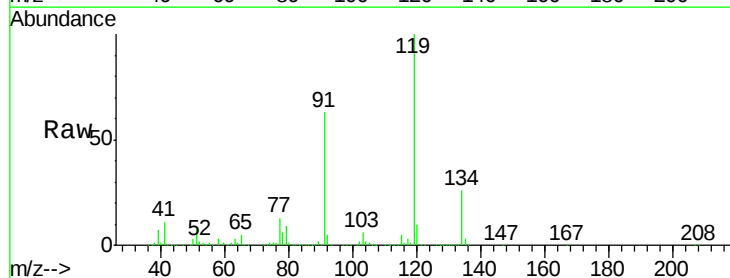
Tgt Ion: 119 Resp: 970878

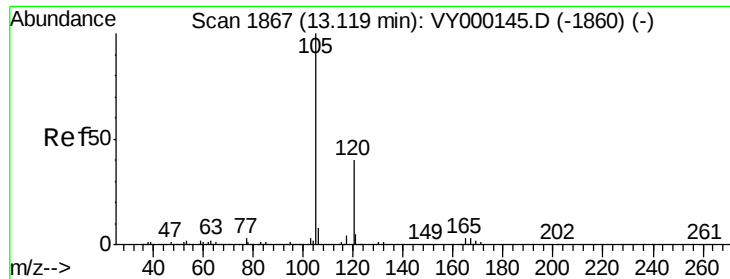
Ion Ratio Lower Upper

119 100

91 63.0 31.0 93.0

134 27.5 14.0 41.9





#84

1,2,4-Trimethylbenzene

Concen: 140.016 ug/l

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1138649

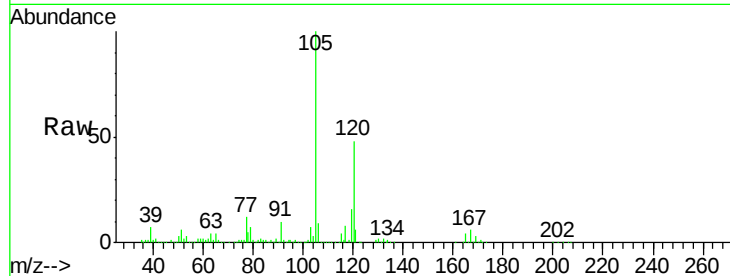
Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.8

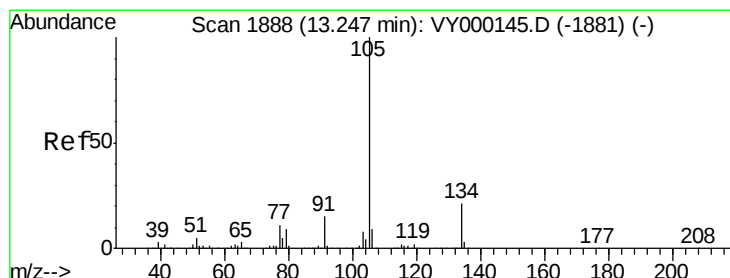
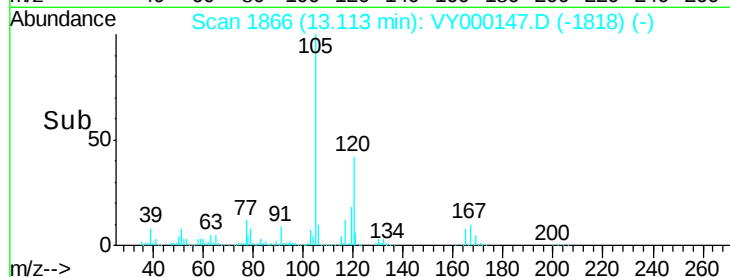
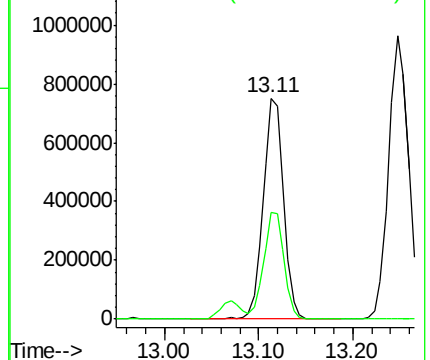
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 141.903 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY000147.D

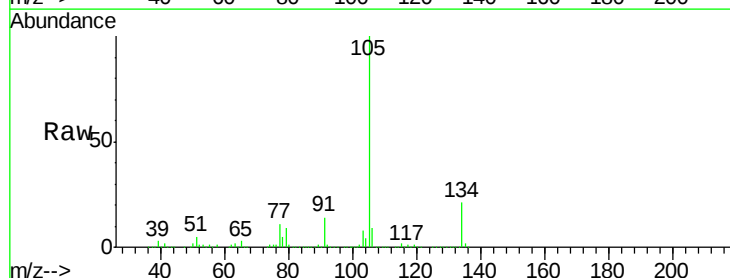
Acq: 26 Sep 2019 12:19

Tgt Ion:105 Resp: 1411822

Ion Ratio Lower Upper

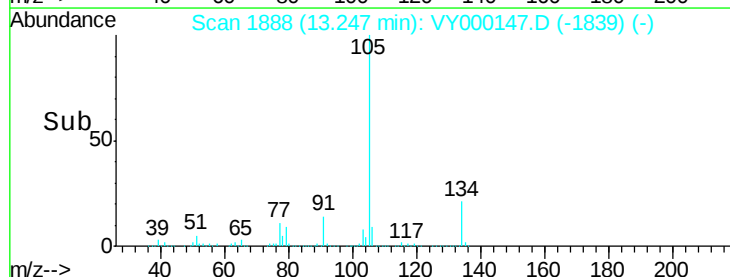
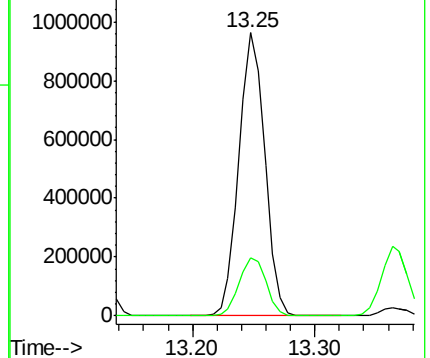
105 100

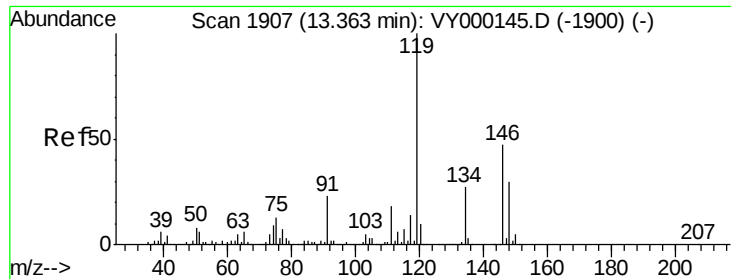
134 21.5 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





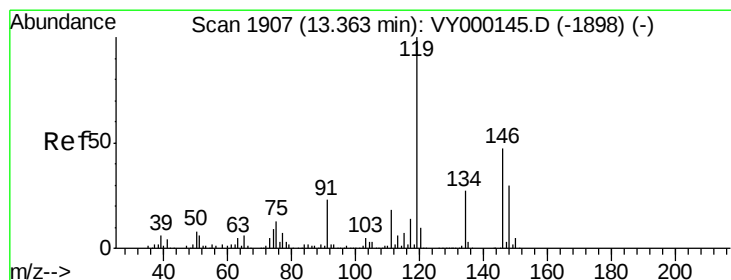
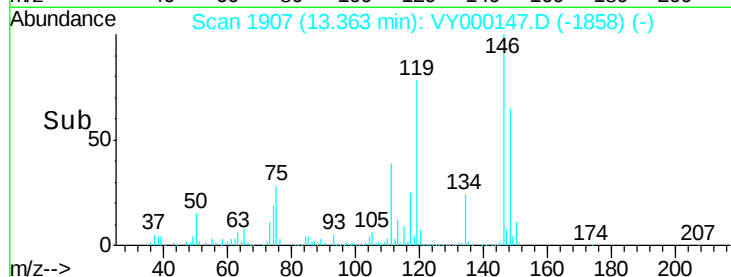
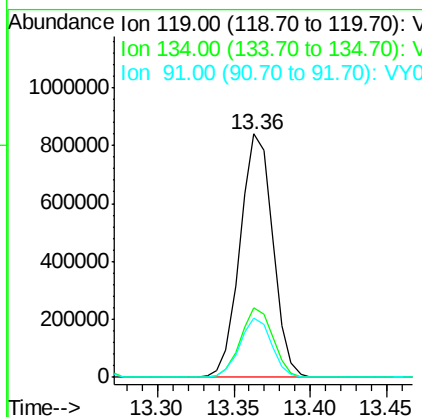
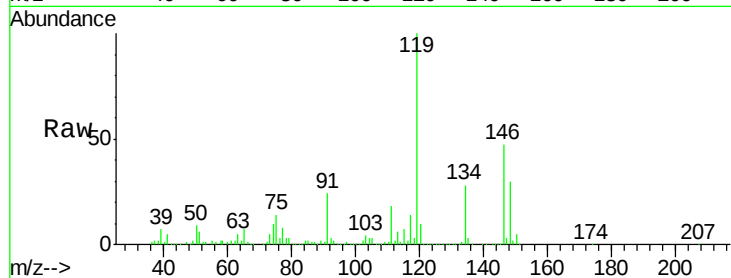
#86
p-Isopropyltoluene
Concen: 140.390 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.4	14.3	42.9
91	23.7	11.4	34.1

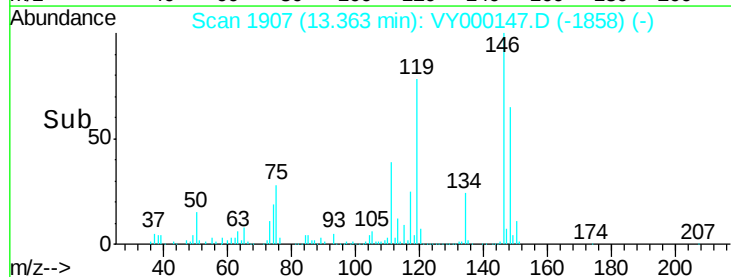
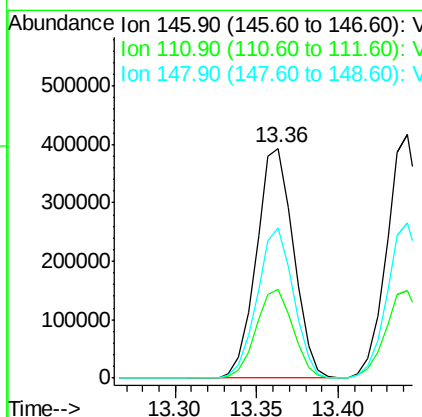
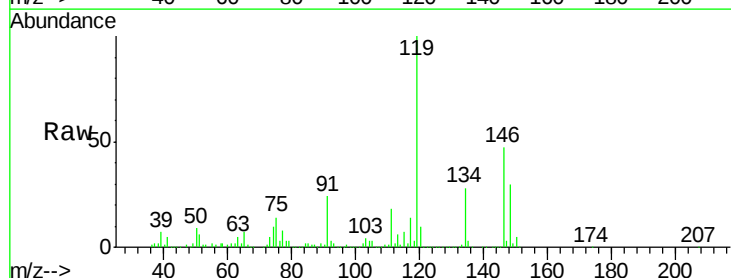
Manual Integrations
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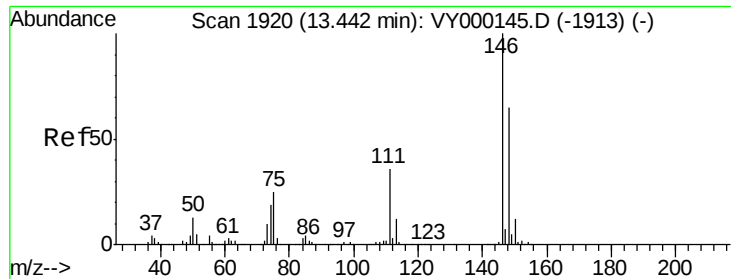
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#87
1,3-Dichlorobenzene
Concen: 135.641 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	63.7	31.6	94.8





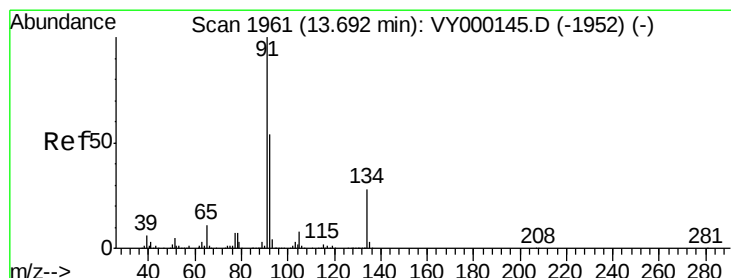
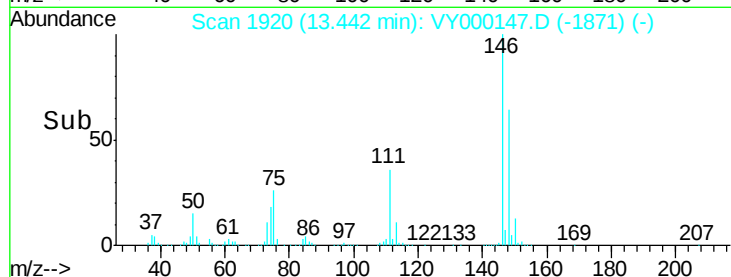
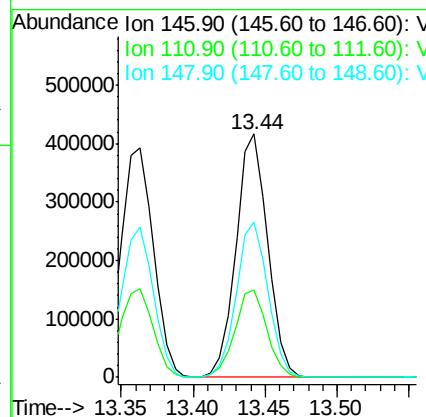
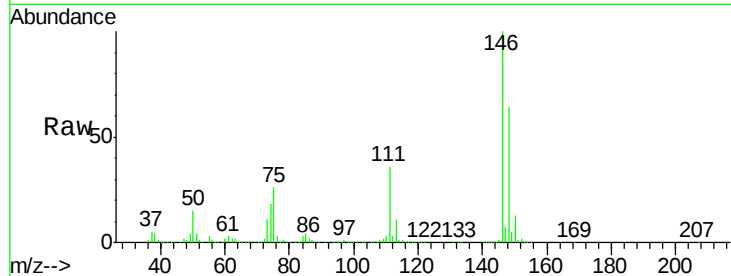
#88
 1,4-Dichlorobenzene
 Concen: 140.320 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.9
148	63.8	31.9	95.7

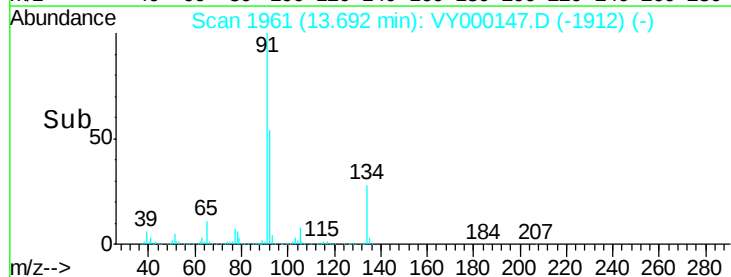
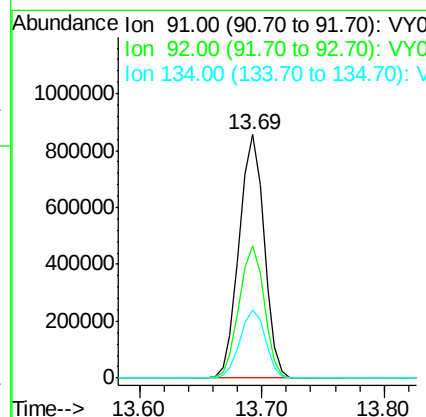
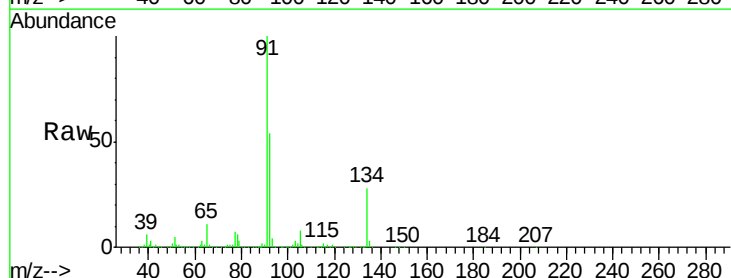
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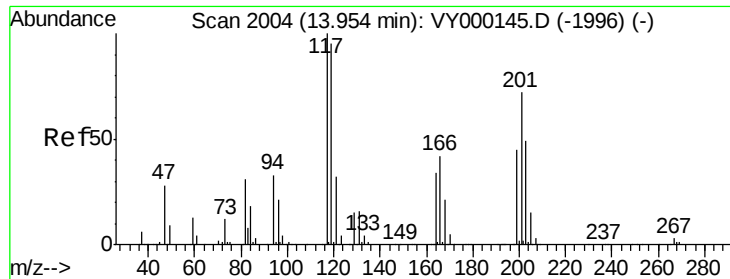
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#89
 n-Butylbenzene
 Concen: 143.574 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.8	80.4
134	28.4	14.4	43.2





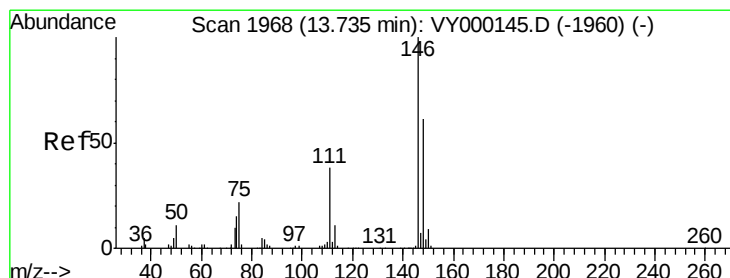
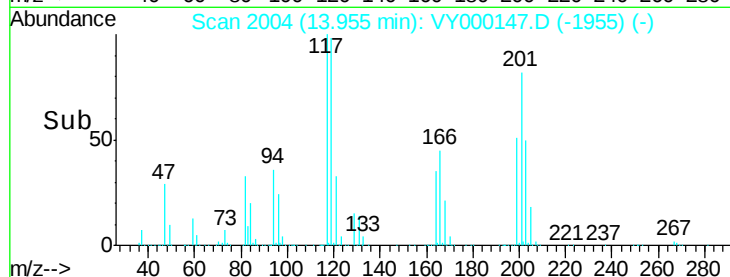
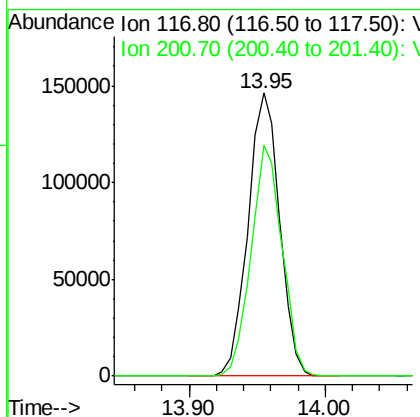
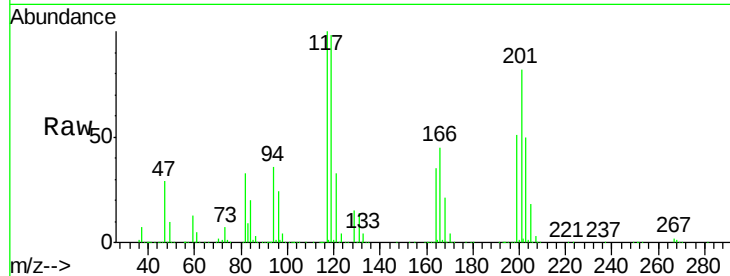
#90
Hexachloroethane
Concen: 142.621 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 238726
Ion Ratio Lower Upper
117 100
201 79.9 38.6 115.8

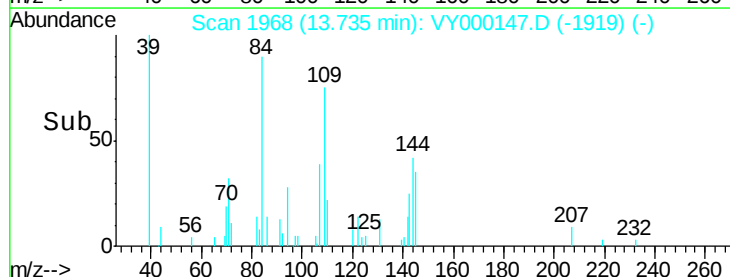
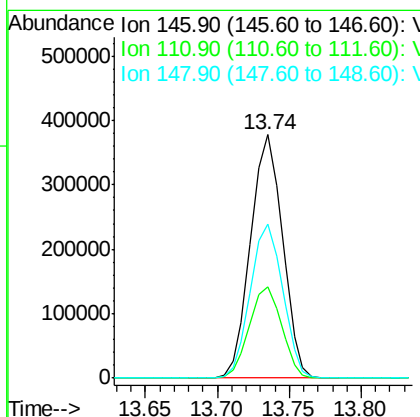
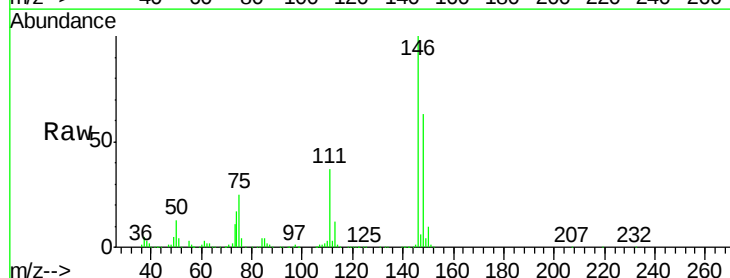
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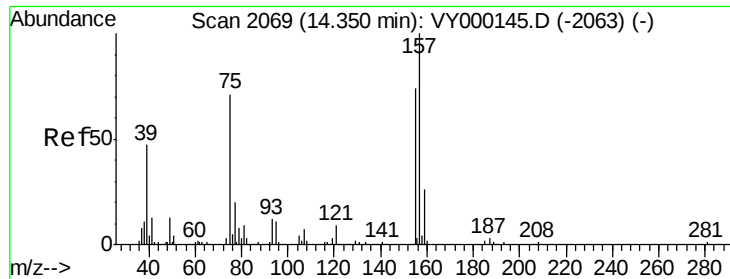
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#91
1,2-Dichlorobenzene
Concen: 138.944 ug/l
RT: 13.74 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VY000147.D
Acq: 26 Sep 2019 12:19

Tgt Ion:146 Resp: 581298
Ion Ratio Lower Upper
146 100
111 38.0 19.2 57.6
148 64.4 31.9 95.7





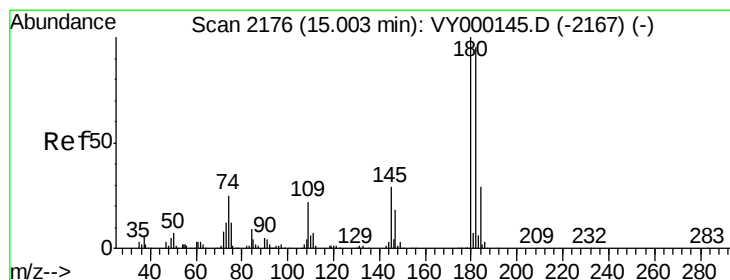
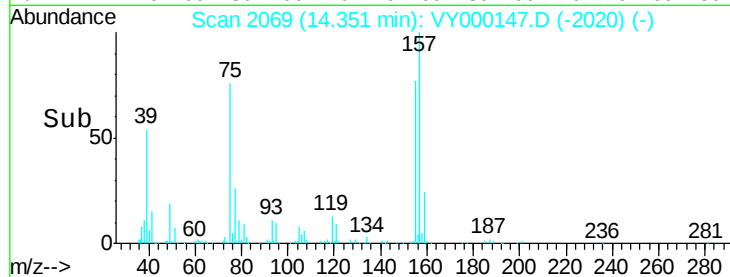
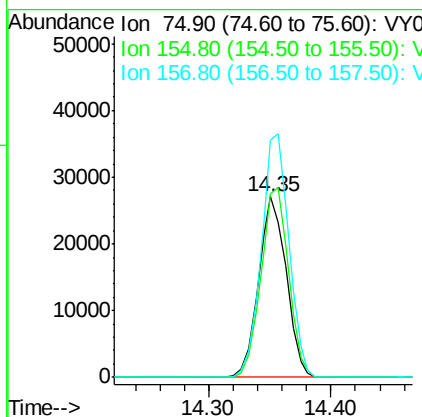
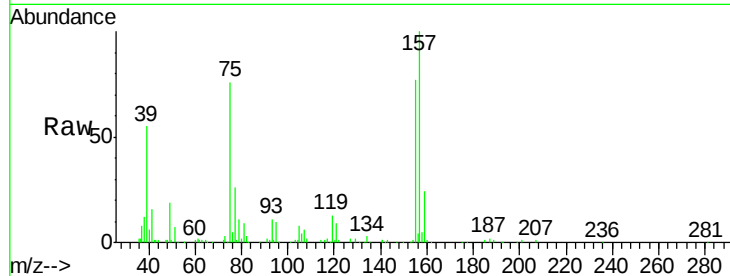
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.077 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
155	104.0	51.3	153.9
157	133.7	67.3	201.8

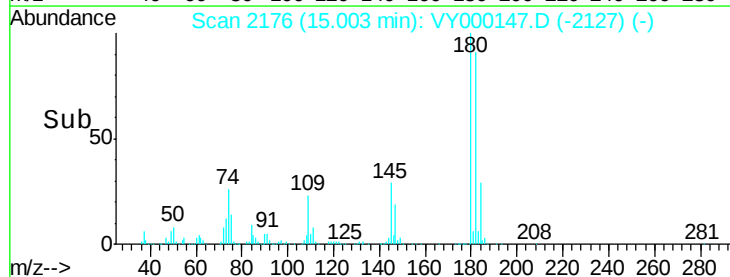
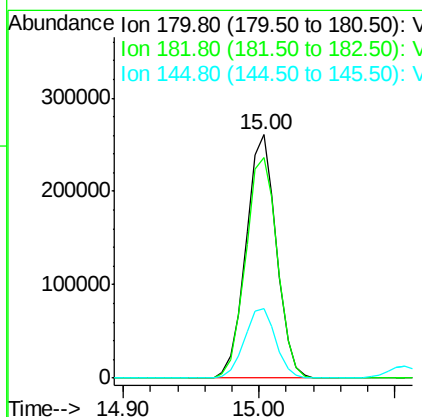
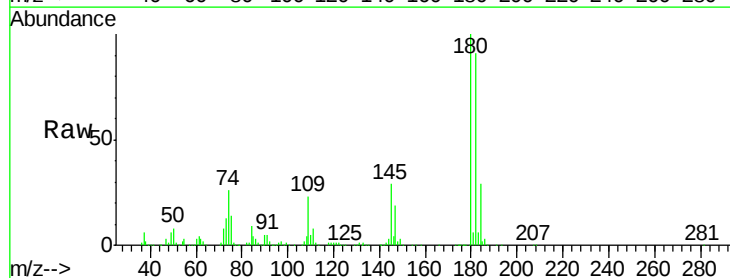
Manual Integrations
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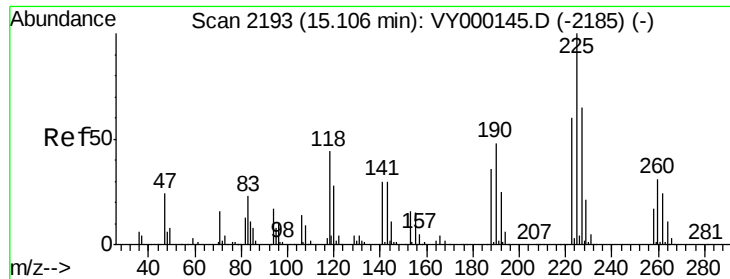
MMDadoda
 10/2/2019 9:13:05 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 140.378 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	29.5	14.6	44.0





#94

Hexachlorobutadiene

Concen: 146.074 ug/l

RT: 15.11 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Instrument :

MSVOA_Y

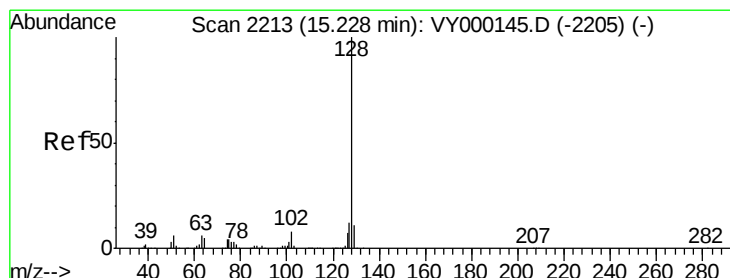
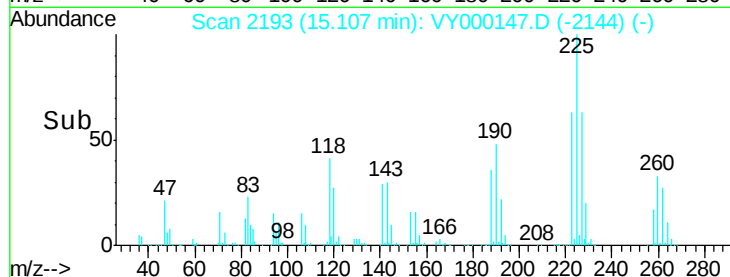
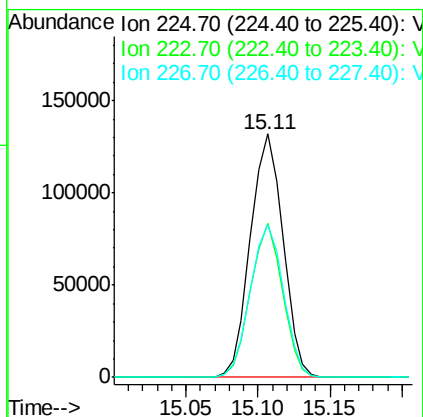
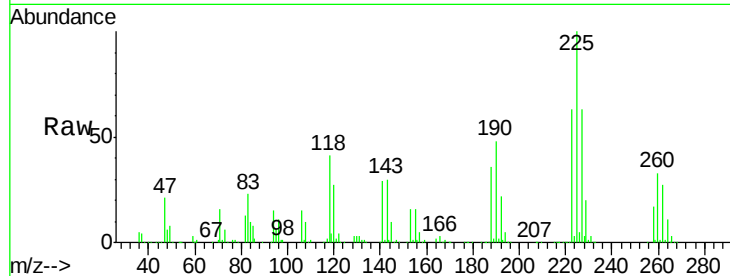
ClientSampleId :

VSTDIC150

Tot Ion:	225	Resp:	206879
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.5	94.5
227	63.6	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:13:05 AM



#95

Naphthalene

Concen: 141.040 ug/l

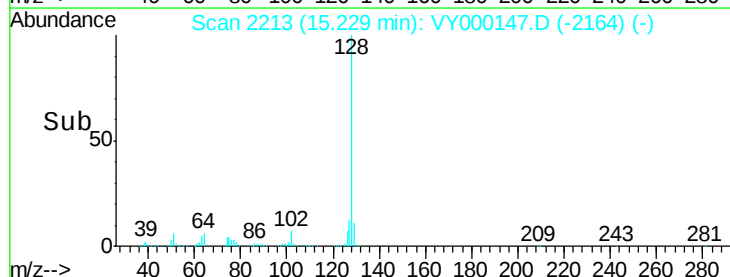
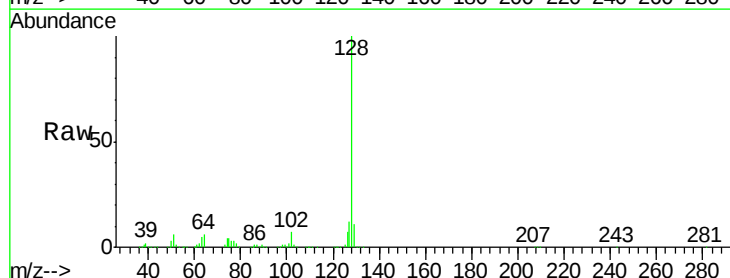
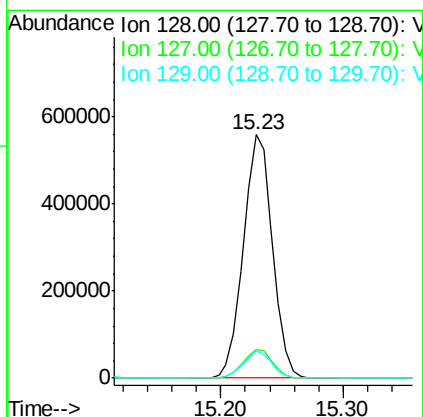
RT: 15.23 min Scan# 2213

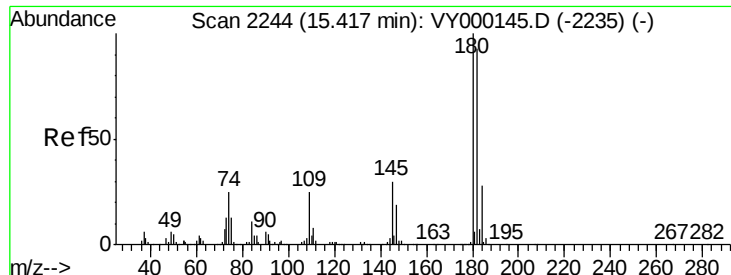
Delta R.T. 0.00 min

Lab File: VY000147.D

Acq: 26 Sep 2019 12:19

Tgt Ion:	128	Resp:	916698
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.5	14.3
129	10.8	8.6	12.8





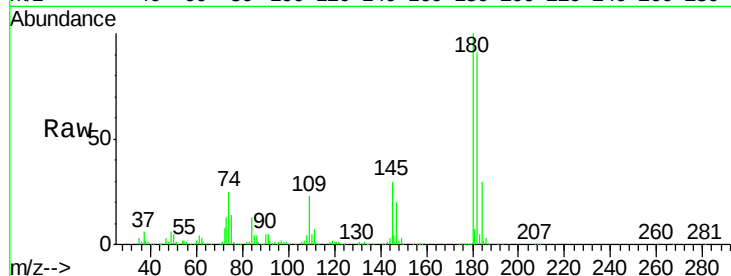
#96
 1,2,3-Trichlorobenzene
 Concen: 141.561 ug/l
 RT: 15.42 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VY000147.D
 Acq: 26 Sep 2019 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	368526
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.6	139.7
145	30.6	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:05 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

