

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000127.D
 Acq On : 23 Sep 2019 11:46
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:20 AM

Quant Time: Sep 24 05:12:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 04:45:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	111505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	220349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	26351	20.56	ug/l	0.00
Spiked Amount						
			Recovery	=	41.12%	
35) Dibromofluoromethane	7.73	113	25082	19.82	ug/l	0.00
Spiked Amount						
			Recovery	=	39.64%	
50) Toluene-d8	10.18	98	94274	18.51	ug/l	0.00
Spiked Amount						
			Recovery	=	37.02%	
62) 4-Bromofluorobenzene	12.48	95	40088	21.40	ug/l	0.00
Spiked Amount						
			Recovery	=	42.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	25664	23.201	ug/l	92
3) Chloromethane	2.11	50	39747	19.448	ug/l	96
4) Vinyl Chloride	2.25	62	36444	21.258	ug/l	98
5) Bromomethane	2.62	94	21890	20.614	ug/l	94
6) Chloroethane	2.78	64	22110	20.876	ug/l	94
7) Trichlorofluoromethane	3.12	101	41724	21.308	ug/l	99
8) Diethyl Ether	3.52	74	17292	20.601	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	27029	20.818	ug/l	97
10) Methyl Iodide	4.09	142	34619	20.784	ug/l	99
11) Tert butyl alcohol	4.97	59	14117	106.678	ug/l	95
12) 1,1-Dichloroethene	3.87	96	28177	21.012	ug/l	88
13) Acrolein	3.73	56	7953	147.917	ug/l #	84
14) Allyl chloride	4.48	41	41420	21.881	ug/l	98
15) Acrylonitrile	5.17	53	44610	109.636	ug/l	98
16) Acetone	3.95	43	26015	104.407	ug/l	100
17) Carbon Disulfide	4.18	76	99318	21.496	ug/l	97
18) Methyl Acetate	4.48	43	19830	21.724	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	72902	20.921	ug/l	95
20) Methylene Chloride	4.71	84	35302	21.083	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	31792	21.022	ug/l	84
22) Diisopropyl ether	6.12	45	82517	20.446	ug/l	96
23) Vinyl Acetate	6.06	43	276412	102.770	ug/l	98
24) 1,1-Dichloroethane	6.01	63	50224	20.890	ug/l	99
25) 2-Butanone	6.99	43	49144	106.306	ug/l	92
26) 2,2-Dichloropropane	6.98	77	44479	20.415	ug/l	77
27) cis-1,2-Dichloroethene	6.99	96	34806	20.679	ug/l	94
28) Bromochloromethane	7.34	49	17882	19.033	ug/l	98
29) Tetrahydrofuran	7.35	42	33232	106.153	ug/l	96
30) Chloroform	7.51	83	49620	20.500	ug/l	92
31) Cyclohexane	7.79	56	51768	20.765	ug/l	91
32) 1,1,1-Trichloroethane	7.70	97	40249	20.213	ug/l	99
36) 1,1-Dichloropropene	7.92	75	41423	20.303	ug/l	99
37) Ethyl Acetate	7.08	43	22297	20.694	ug/l #	94
38) Carbon Tetrachloride	7.90	117	34997	19.986	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	56662	20.193	ug/l	95
40) Benzene	8.16	78	127839	20.302	ug/l	99
41) Methacrylonitrile	7.31	41	8991	10.515	ug/l #	91
42) 1,2-Dichloroethane	8.24	62	31786	19.795	ug/l	99
43) Isopropyl Acetate	8.28	43	41981	19.479	ug/l	98
44) Trichloroethene	8.94	130	31331	20.039	ug/l	100
45) 1,2-Dichloropropane	9.22	63	29915	19.669	ug/l	96
46) Dibromomethane	9.31	93	16090	19.022	ug/l	99
47) Bromodichloromethane	9.50	83	37673	19.452	ug/l	97
48) Methyl methacrylate	9.29	41	17752	19.275	ug/l	95
49) 1,4-Dioxane	9.30	88	5708	427.455	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	108342	98.653	ug/l	98
52) Toluene	10.24	92	76881	19.758	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	40525	19.189	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	49010	20.017	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	23388	19.308	ug/l	93
56) Ethyl methacrylate	10.51	69	34301	20.103	ug/l	98
57) 1,3-Dichloropropane	10.79	76	41861	19.878	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	84249	100.016	ug/l	100
59) 2-Hexanone	10.83	43	76041	98.851	ug/l	100
60) Dibromochloromethane	10.98	129	25533	20.169	ug/l	97
61) 1,2-Dibromoethane	11.09	107	22662	19.907	ug/l	98
64) Tetrachloroethene	10.71	164	29215	20.274	ug/l	92
65) Chlorobenzene	11.51	112	77091	20.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	24823	20.102	ug/l	98
67) Ethyl Benzene	11.59	91	143804	20.586	ug/l	100
68) m/p-Xylenes	11.70	106	109527	40.659	ug/l	99
69) o-Xylene	12.02	106	51727	20.087	ug/l	99
70) Styrene	12.04	104	88852	20.421	ug/l	99
71) Bromoform	12.20	173	13853	19.869	ug/l #	98
73) Isopropylbenzene	12.32	105	132305	19.837	ug/l	98
74) N-amyl acetate	12.14	43	35958	19.344	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	27149	20.387	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	15635m	9.319	ug/l	
77) Bromobenzene	12.60	156	28609	20.513	ug/l	100
78) n-propylbenzene	12.66	91	166288	20.159	ug/l	100
79) 2-Chlorotoluene	12.75	91	89786	19.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	110913	19.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10678	19.994	ug/l	96
82) 4-Chlorotoluene	12.85	91	91769	19.649	ug/l	100
83) tert-Butylbenzene	13.07	119	90998	19.903	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	110652	19.865	ug/l	99
85) sec-Butylbenzene	13.25	105	138035	20.196	ug/l	100
86) p-Isopropyltoluene	13.37	119	118072	20.261	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	54892	20.115	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	57013	20.468	ug/l	99
89) n-Butylbenzene	13.69	91	118738	19.864	ug/l	99
90) Hexachloroethane	13.96	117	22413	19.421	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	51485	19.999	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5015	20.489	ug/l	88

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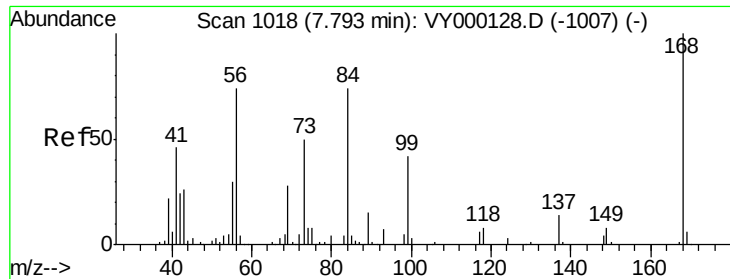
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32312	19.521	ug/l	99
94) Hexachlorobutadiene	15.11	225	15003	20.393	ug/l	98
95) Naphthalene	15.23	128	84281	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29492	19.977	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 111505

Ion Ratio Lower Upper

168 100

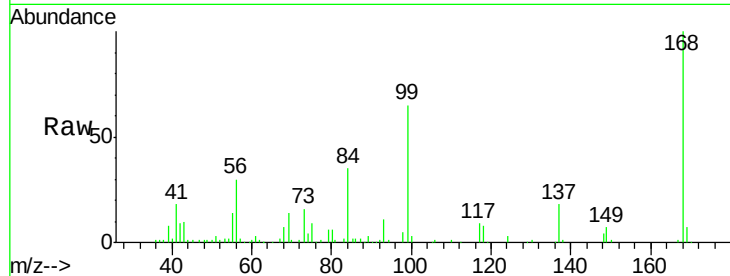
99 65.0 49.9 74.9

Manual Integrations

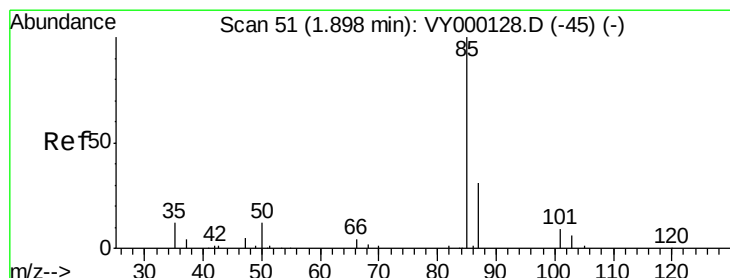
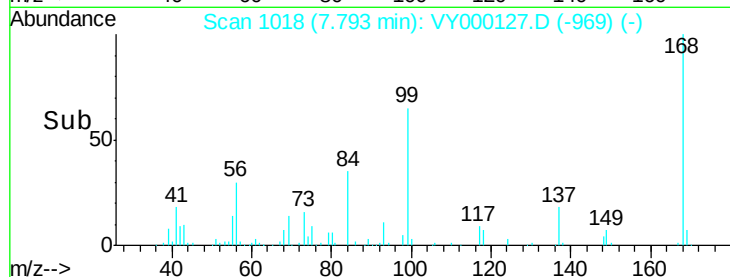
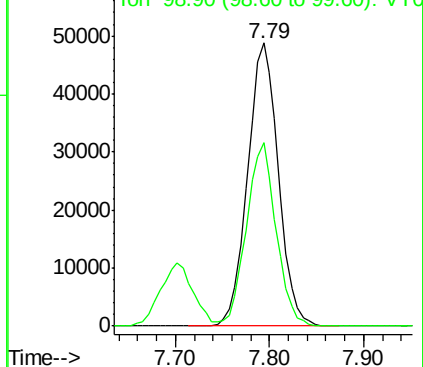
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Abundance Ion 167.90 (167.60 to 168.60): VY000127.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 23.201 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000127.D

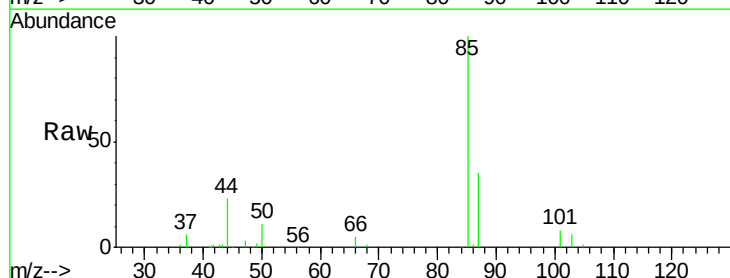
Acq: 23 Sep 2019 11:46

Tgt Ion: 85 Resp: 25664

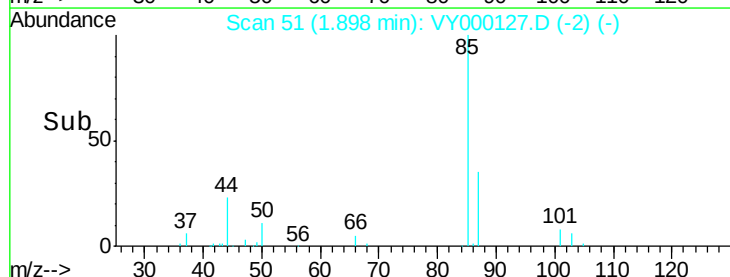
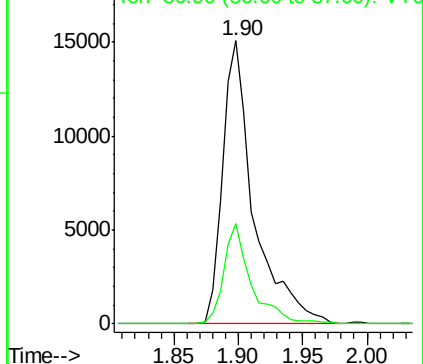
Ion Ratio Lower Upper

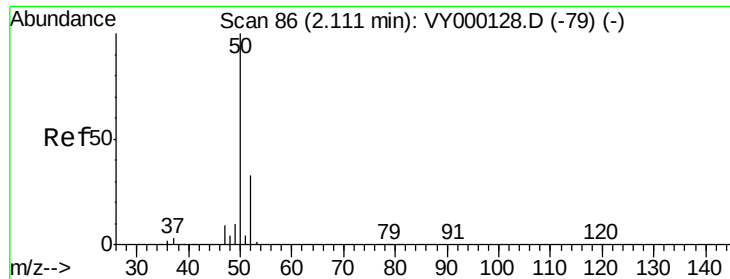
85 100

87 35.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VY000127.D (-2) (-)





#3

Chloromethane

Concen: 19.448 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 39747

Ion Ratio Lower Upper

50 100

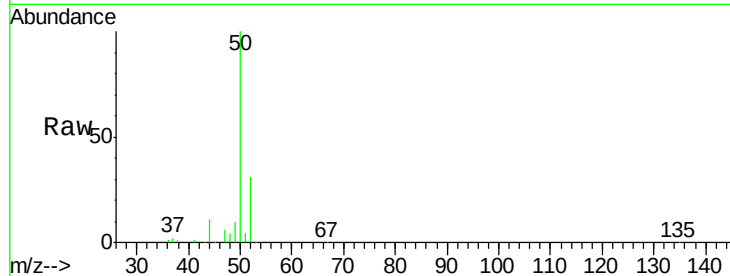
52 30.6 26.2 39.4

Manual Integrations

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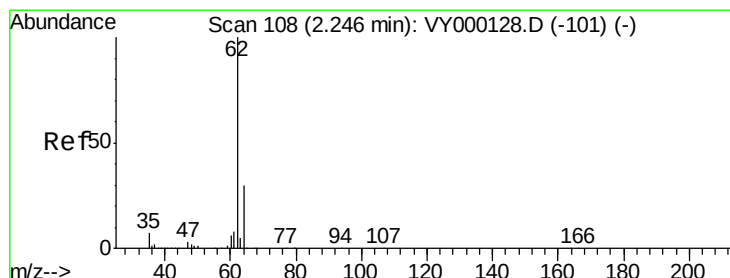
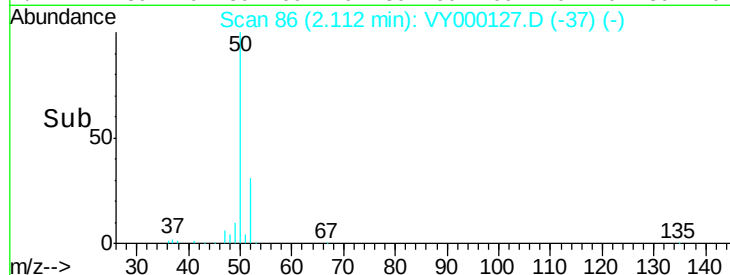
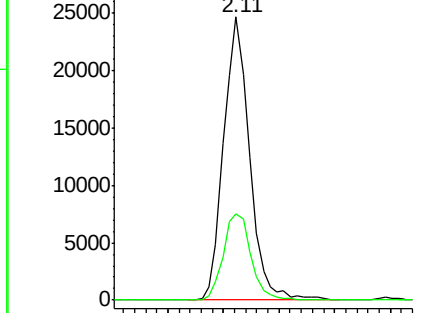
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.258 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000127.D

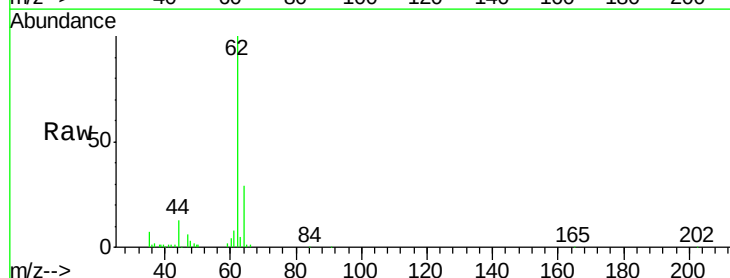
Acq: 23 Sep 2019 11:46

Tgt Ion: 62 Resp: 36444

Ion Ratio Lower Upper

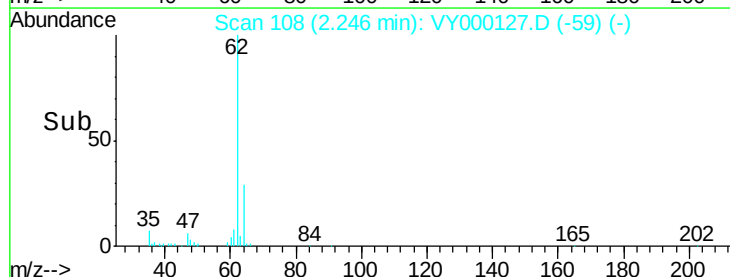
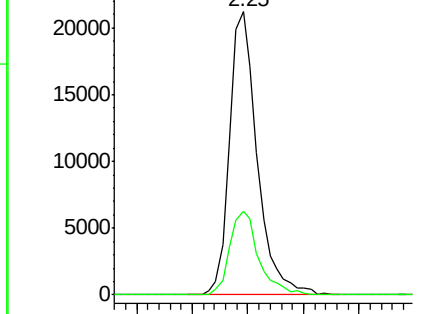
62 100

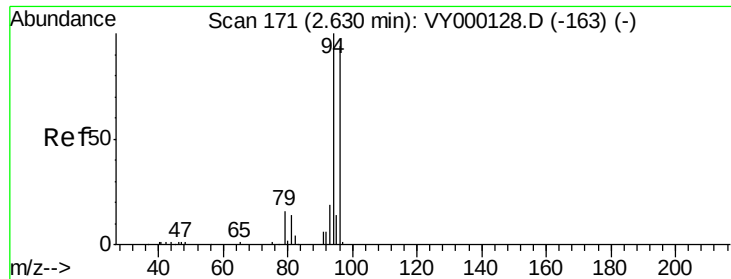
64 29.4 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.614 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 21890

Ion Ratio Lower Upper

94 100

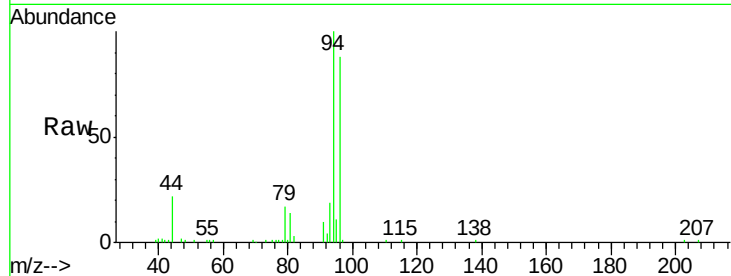
96 87.9 75.1 112.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

12000

10000

8000

6000

4000

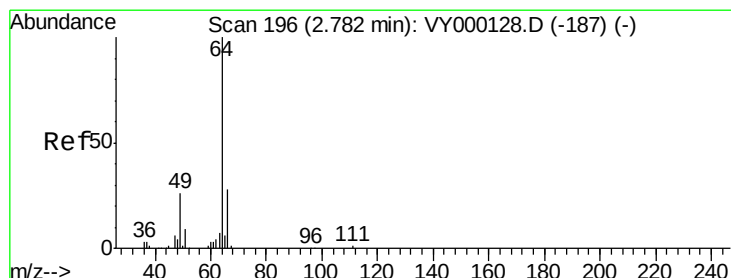
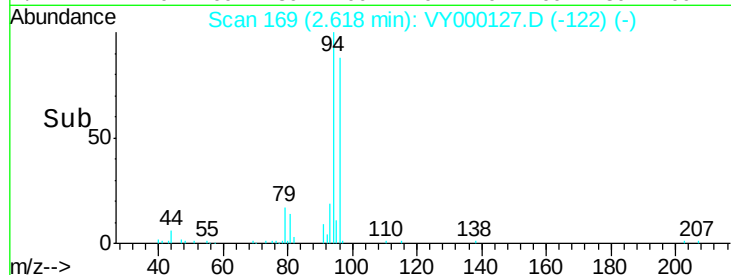
2000

0

Time-->

2.50 2.55 2.60 2.65 2.70

2.62



#6

Chloroethane

Concen: 20.876 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000127.D

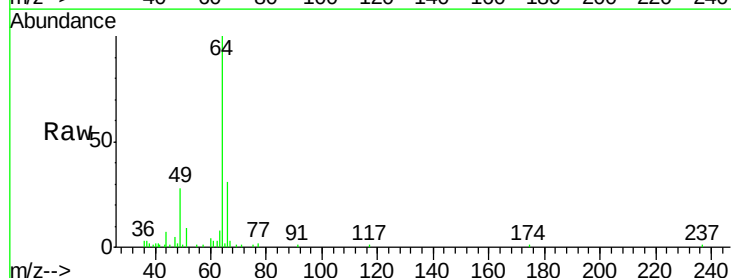
Acq: 23 Sep 2019 11:46

Tgt Ion: 64 Resp: 22110

Ion Ratio Lower Upper

64 100

66 31.3 22.4 33.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

10000

8000

6000

4000

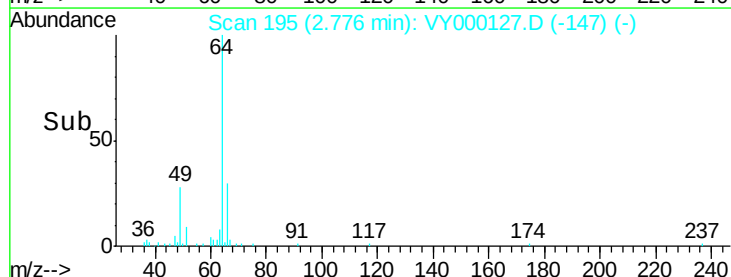
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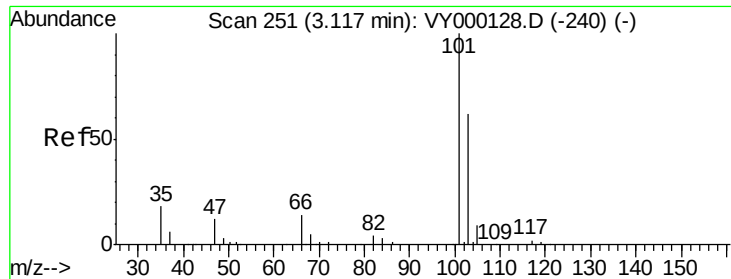
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Time-->

2.70 2.80 2.90

2.78





#7

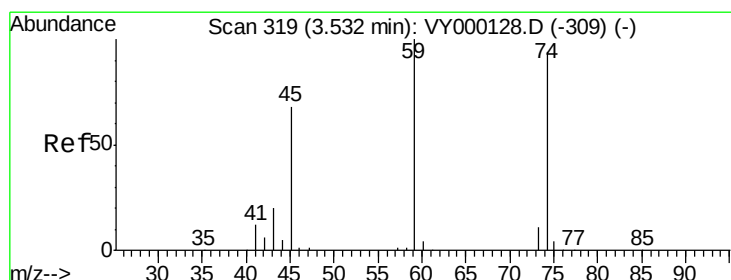
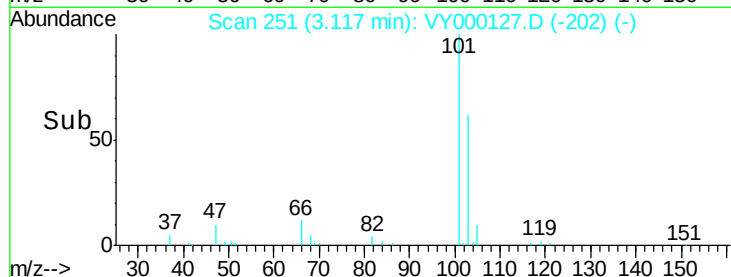
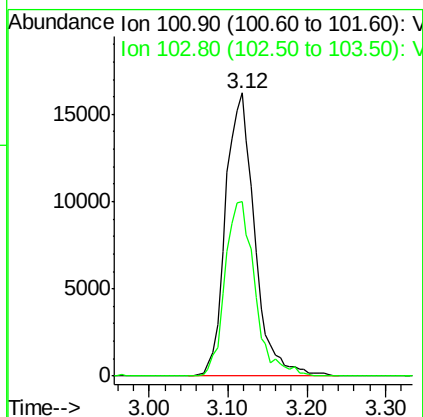
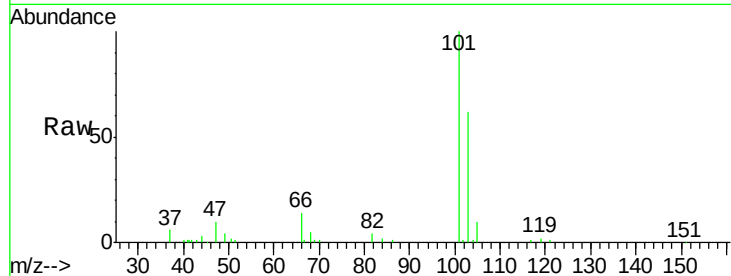
Trichlorofluoromethane
Concen: 21.308 ug/l
RT: 3.12 min Scan# 251
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 41724
Ion Ratio Lower Upper
101 100
103 61.8 49.9 74.9

Manual Integrations
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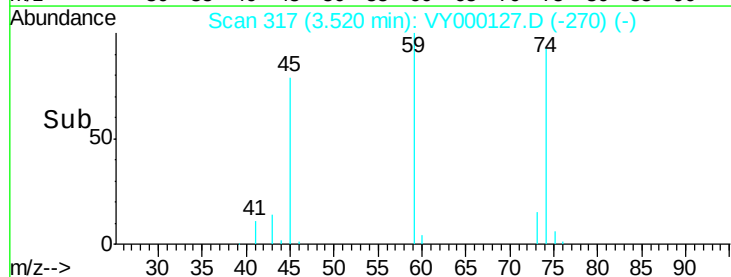
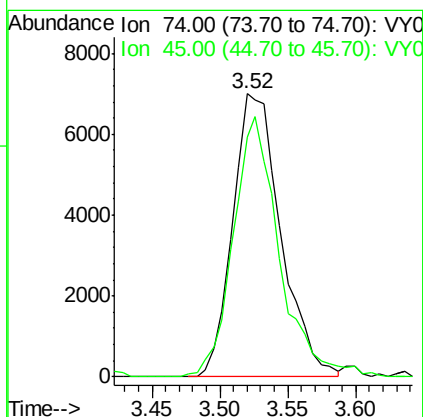
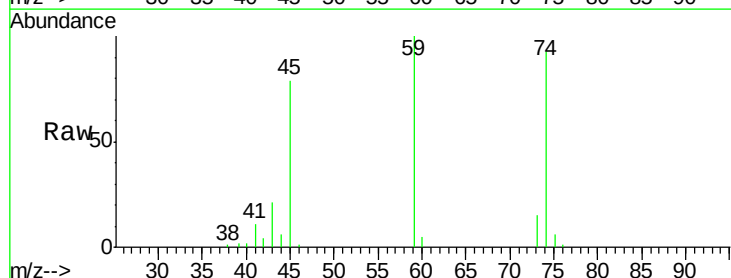
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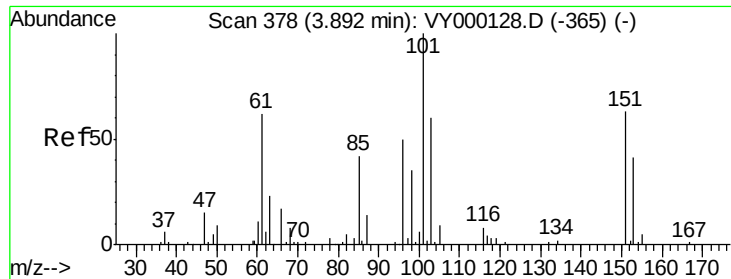


#8

Diethyl Ether
Concen: 20.601 ug/l
RT: 3.52 min Scan# 317
Delta R.T. -0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion: 74 Resp: 17292
Ion Ratio Lower Upper
74 100
45 88.4 40.1 120.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.818 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

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MSVOA_Y

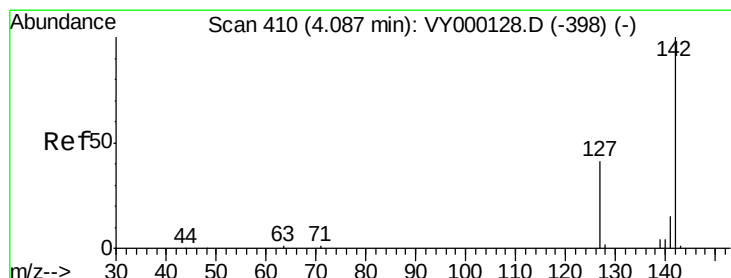
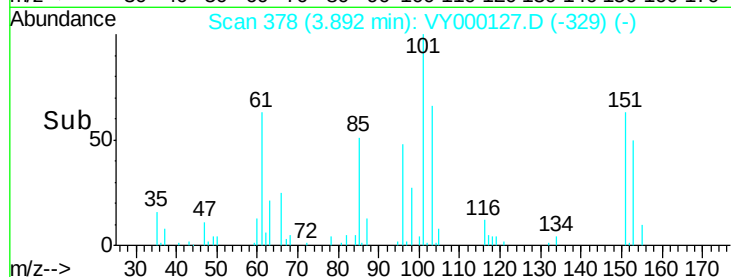
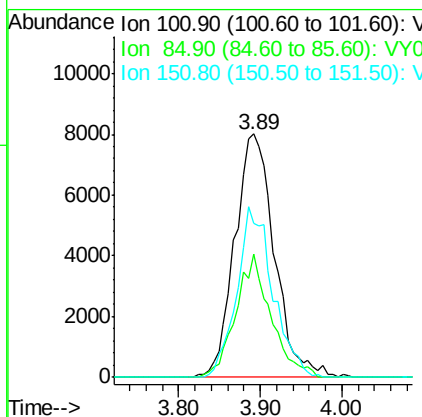
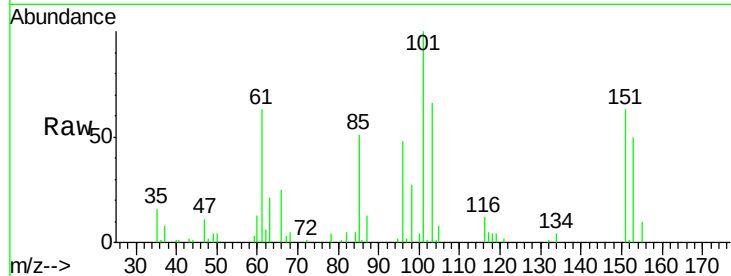
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	27029
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.7	55.1
151	63.8	53.9	80.9

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#10

Methyl Iodide

Concen: 20.784 ug/l

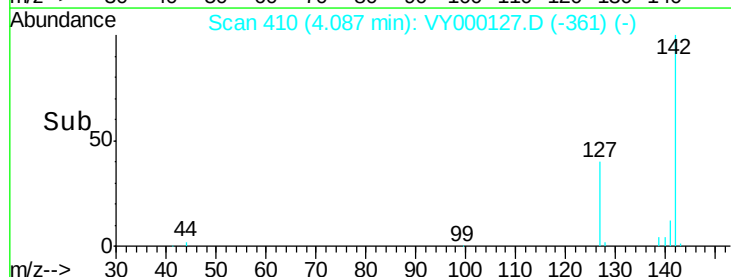
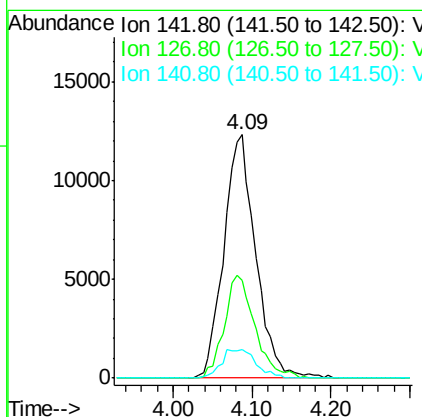
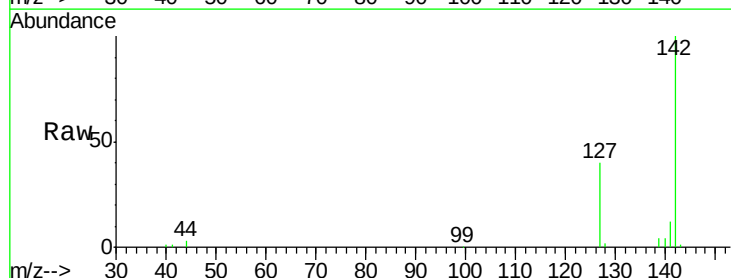
RT: 4.09 min Scan# 410

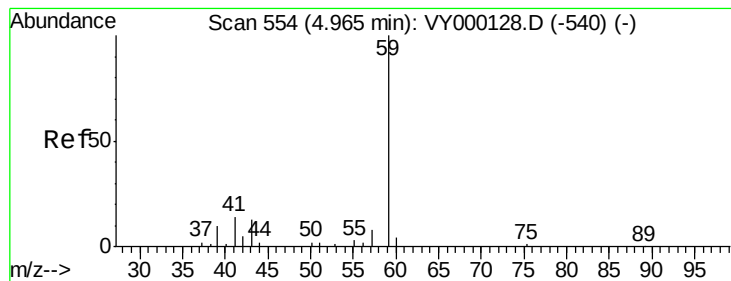
Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	142	Resp:	34619
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.8	49.2
141	12.8	10.8	16.2





#11

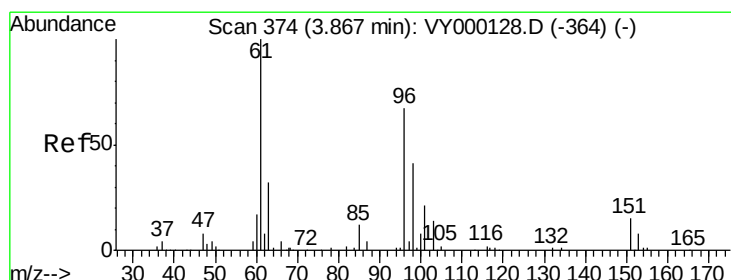
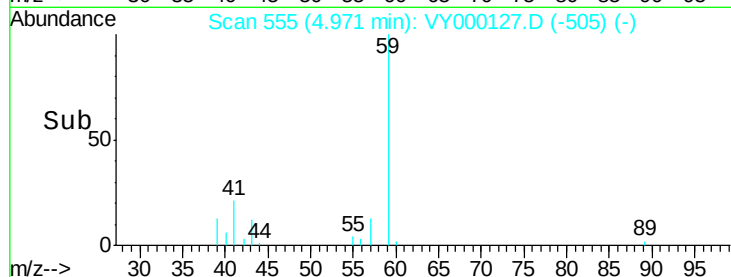
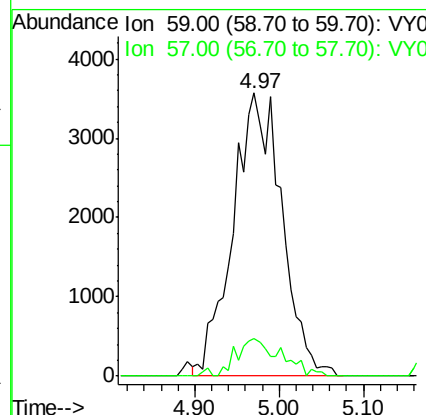
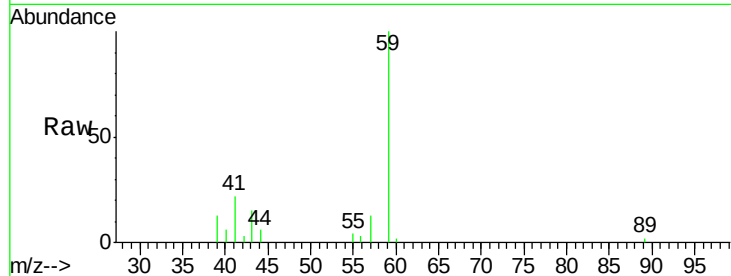
Tert butyl alcohol
Concen: 106.678 ug/l
RT: 4.97 min Scan# 555
Delta R.T. 0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.2	12.4

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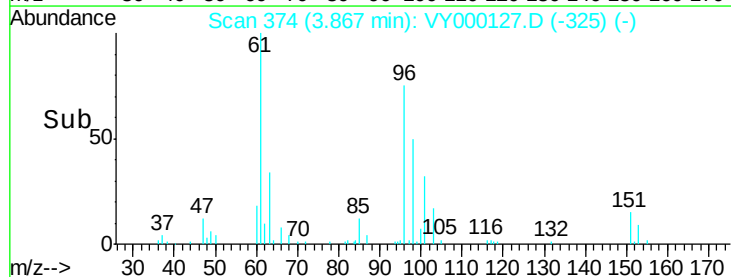
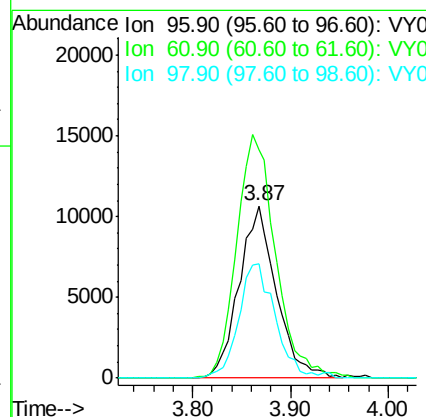
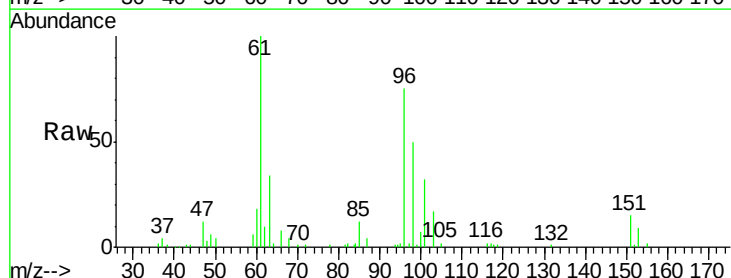
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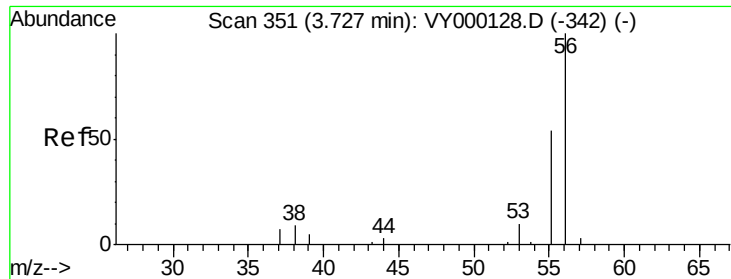


#12

1,1-Dichloroethene
Concen: 21.012 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.6	119.8	179.6
98	66.2	48.8	73.2





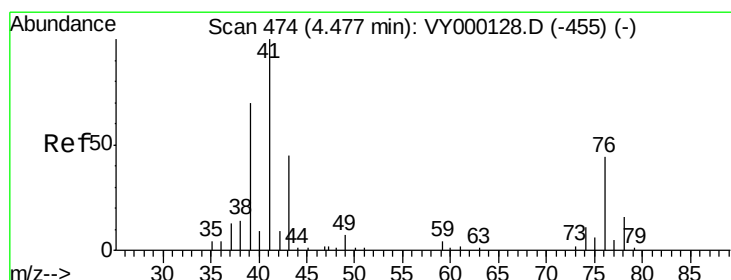
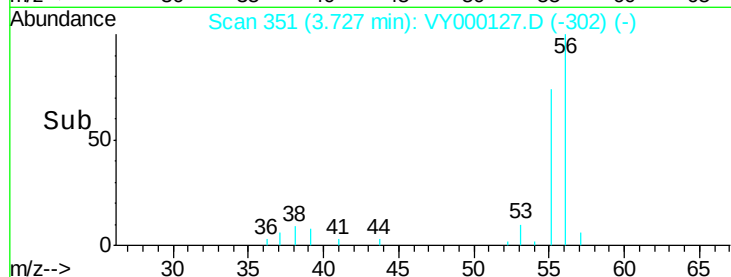
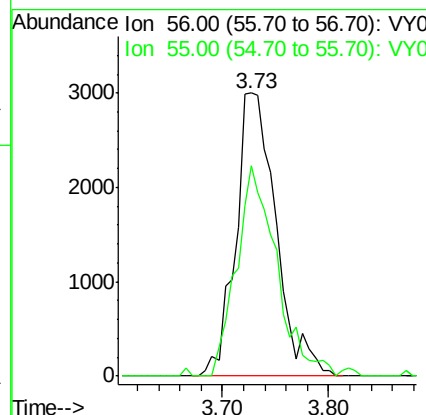
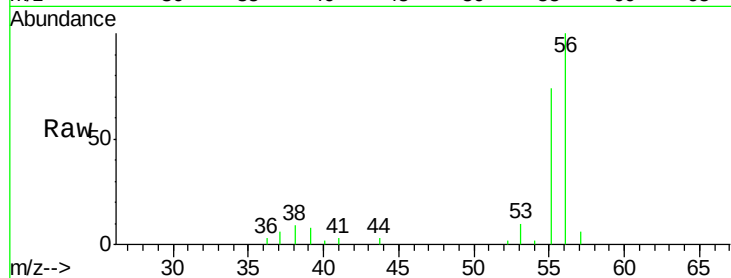
#13
Acrolein
Concen: 147.917 ug/l
RT: 3.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 7953
Ion Ratio Lower Upper
56 100
55 74.2 49.4 74.0#

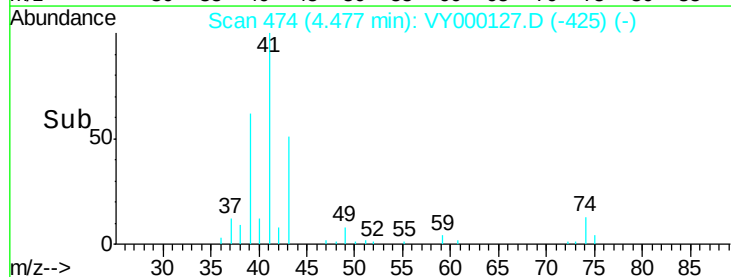
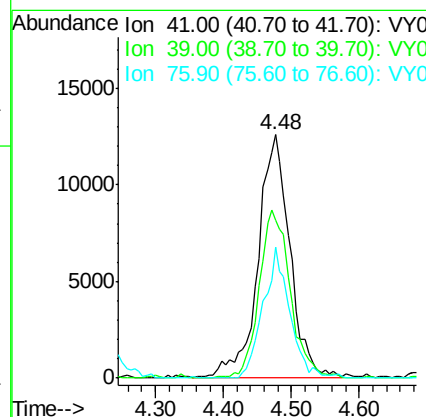
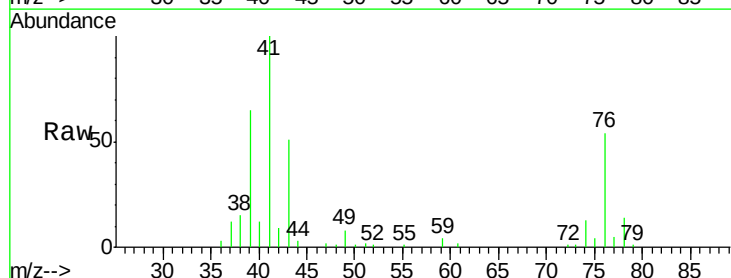
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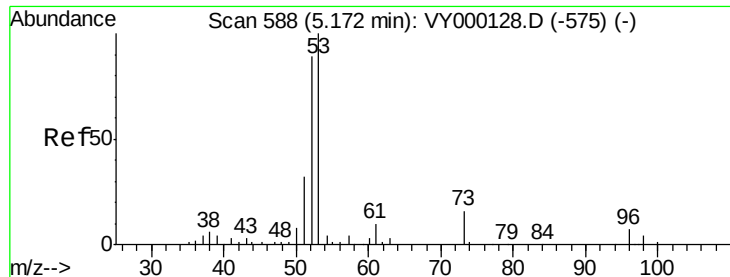
MMDadoda
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#14
Allyl chloride
Concen: 21.881 ug/l
RT: 4.48 min Scan# 474
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion: 41 Resp: 41420
Ion Ratio Lower Upper
41 100
39 67.1 52.7 79.1
76 44.3 36.6 55.0





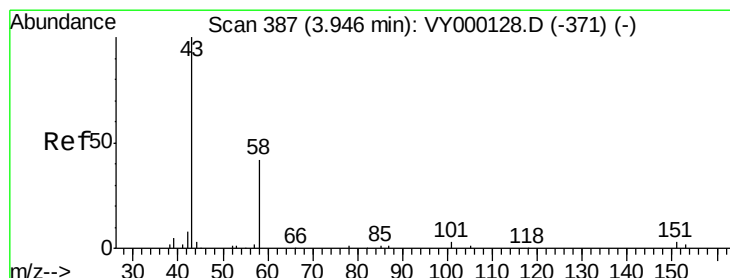
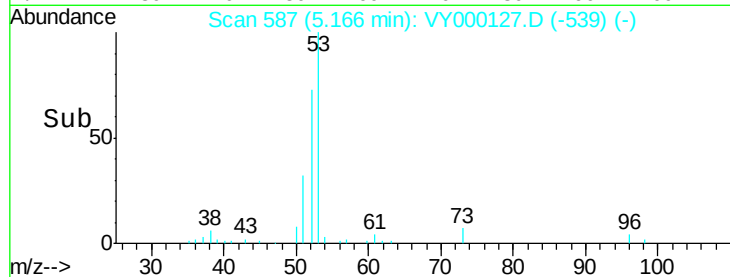
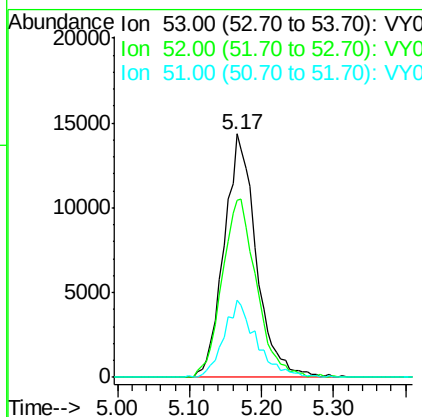
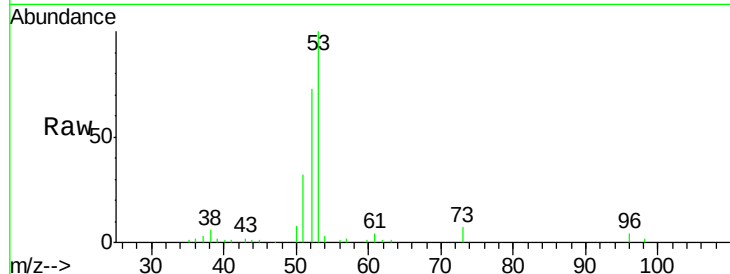
#15
 Acrylonitrile
 Concen: 109.636 ug/l
 RT: 5.17 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		44610		
52	77.9	63.8	95.8		
51	32.0	26.6	40.0		

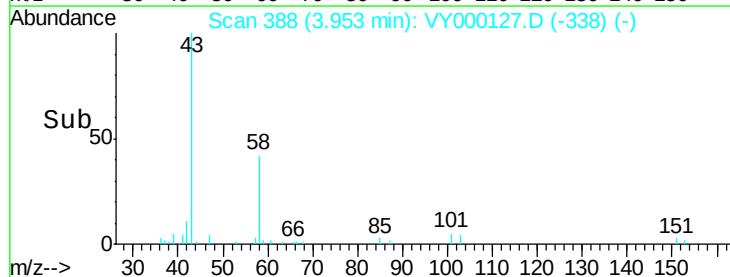
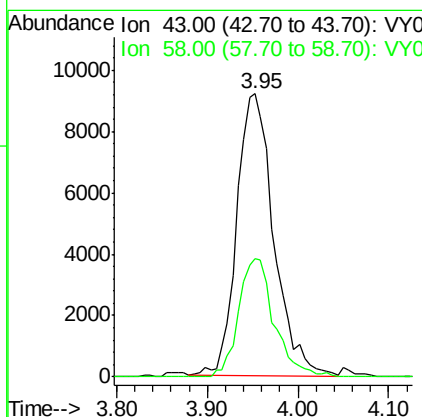
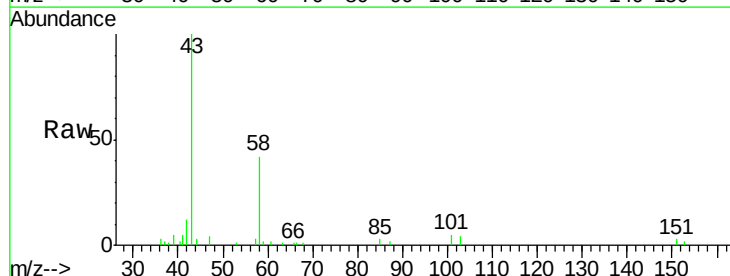
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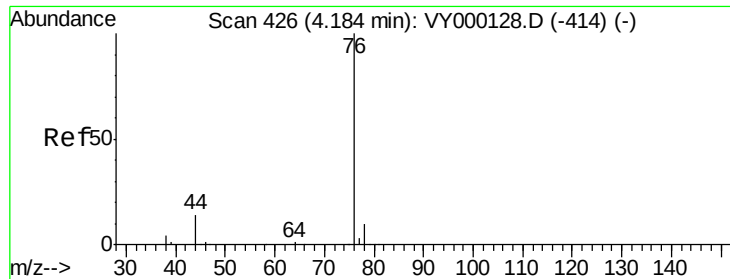
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#16
 Acetone
 Concen: 104.407 ug/l
 RT: 3.95 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		26015		
58	42.2	33.5	50.3		





#17

Carbon Disulfide

Concen: 21.496 ug/l

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 99318

Ion Ratio Lower Upper

76 100

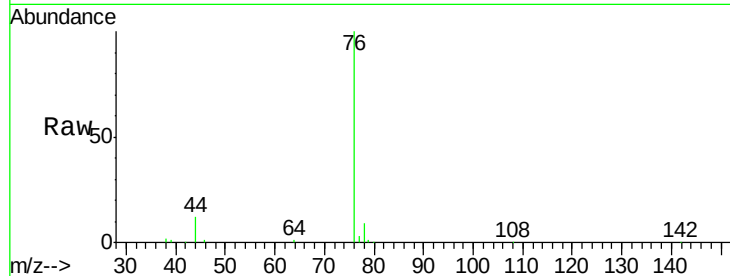
78 8.7 7.9 11.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.18

40000

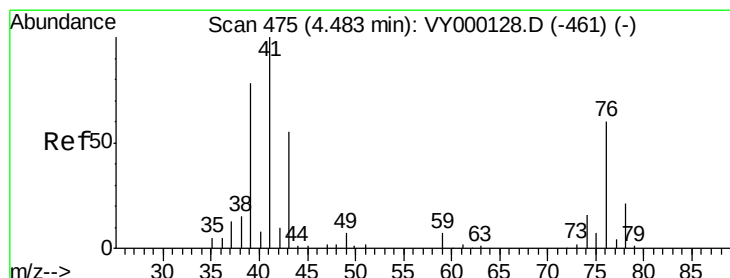
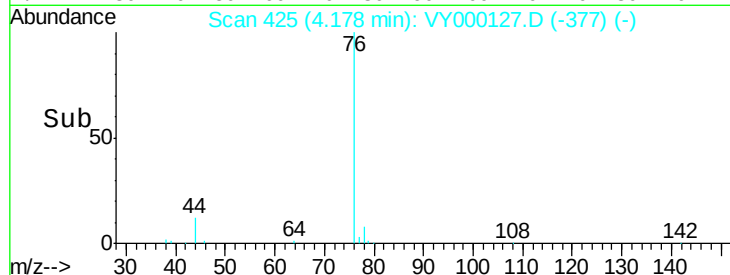
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.724 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.01 min

Lab File: VY000127.D

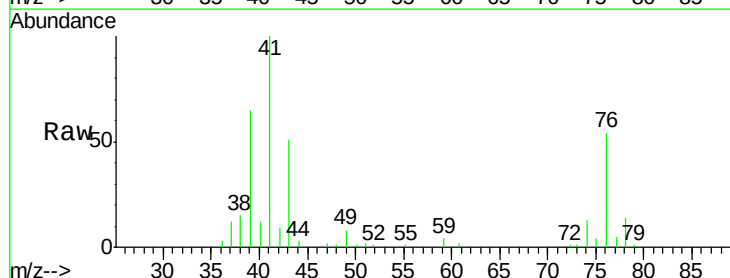
Acq: 23 Sep 2019 11:46

Tgt Ion: 43 Resp: 19830

Ion Ratio Lower Upper

43 100

74 27.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

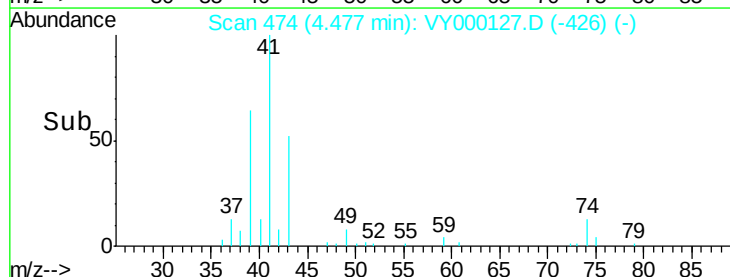
6000

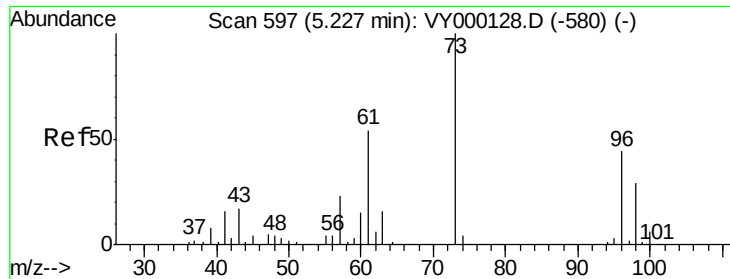
4000

2000

0

Time-->





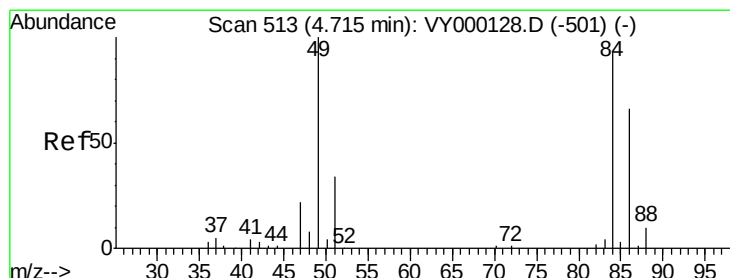
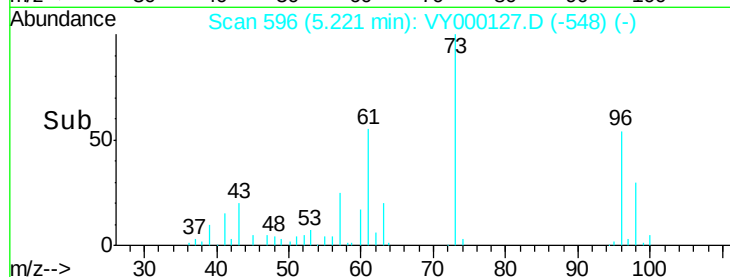
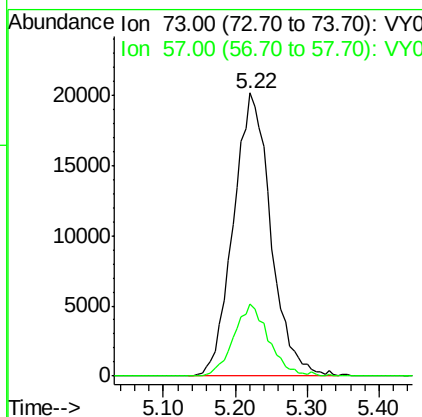
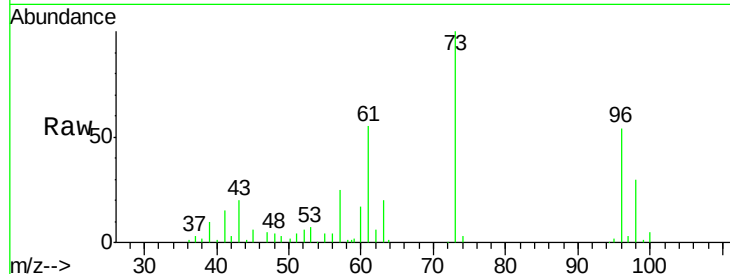
#19
Methyl tert-butyl Ether
Concen: 20.921 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 72902
Ion Ratio Lower Upper
73 100
57 25.4 18.3 27.5

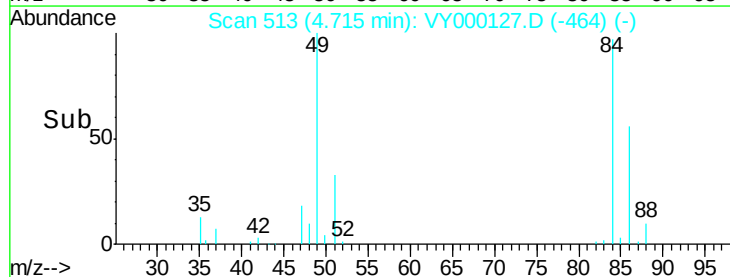
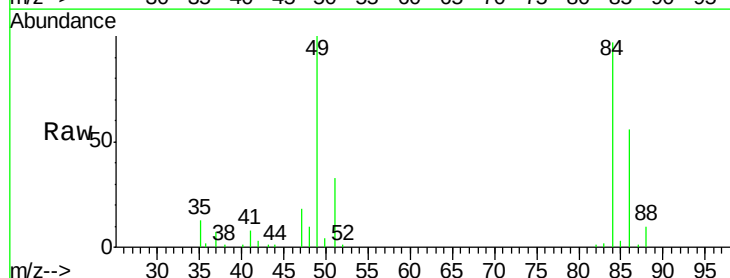
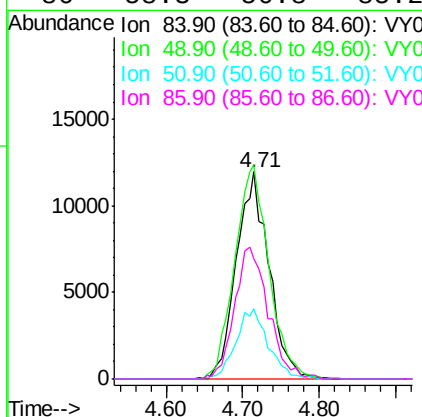
Manual Integrations
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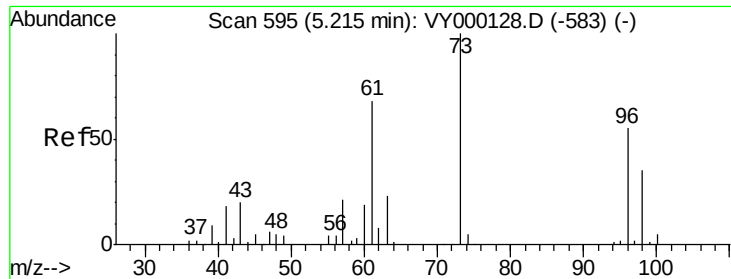
MMDadoda
9/25/2019 12:39:20 AM



#20
Methylene Chloride
Concen: 21.083 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion: 84 Resp: 35302
Ion Ratio Lower Upper
84 100
49 103.2 85.8 128.6
51 34.1 29.2 43.8
86 58.3 56.8 85.2





#21

trans-1,2-Dichloroethene

Concen: 21.022 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

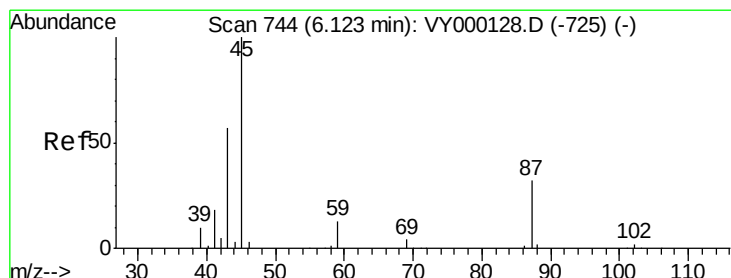
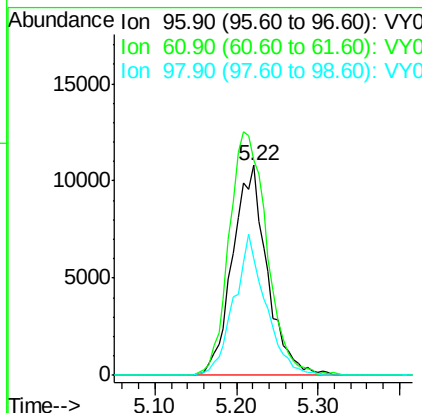
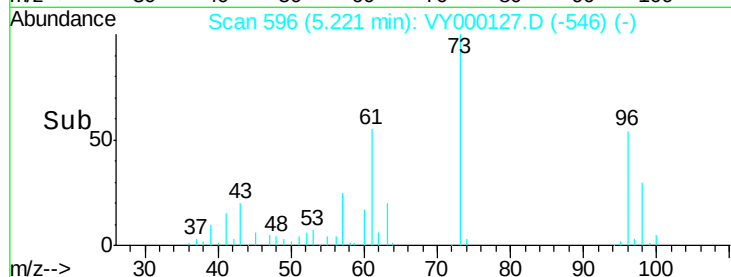
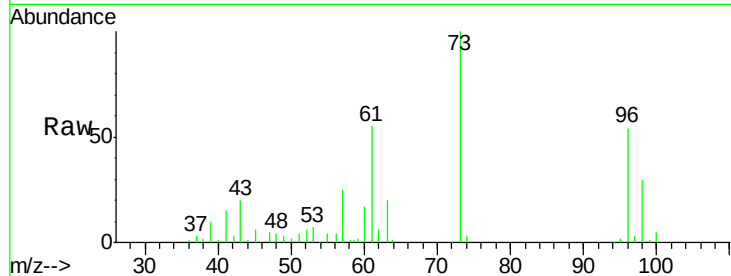
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	31792
Ion	Ratio	Lower	Upper
96	100		
61	102.4	99.0	148.6
98	55.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.446 ug/l

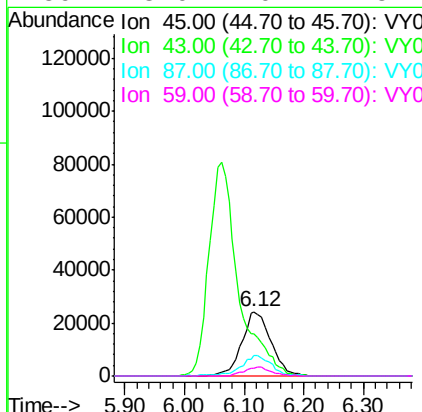
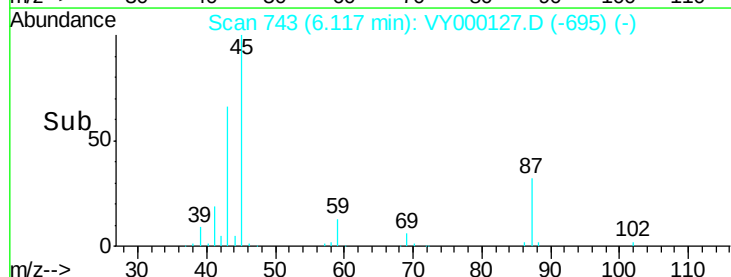
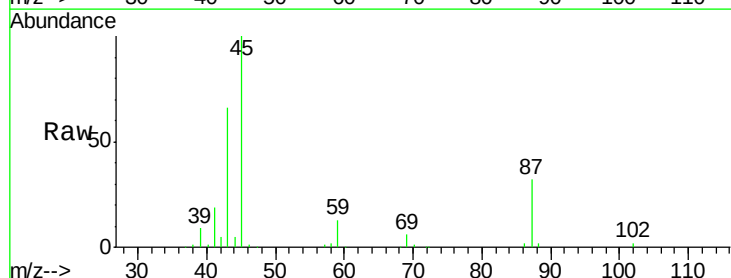
RT: 6.12 min Scan# 743

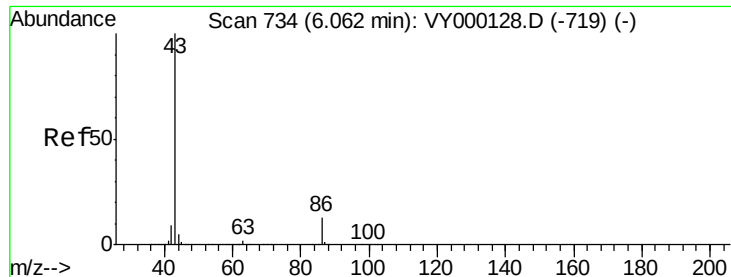
Delta R.T. -0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	45	Resp:	82517
Ion	Ratio	Lower	Upper
45	100		
43	65.1	48.2	72.4
87	32.2	25.9	38.9
59	13.0	10.2	15.2





#23

Vinyl Acetate

Concen: 102.770 ug/l

RT: 6.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 276412

Ion Ratio Lower Upper

43 100

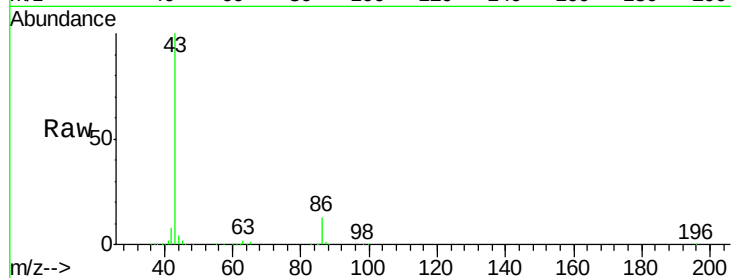
86 12.6 10.6 16.0

Manual Integrations

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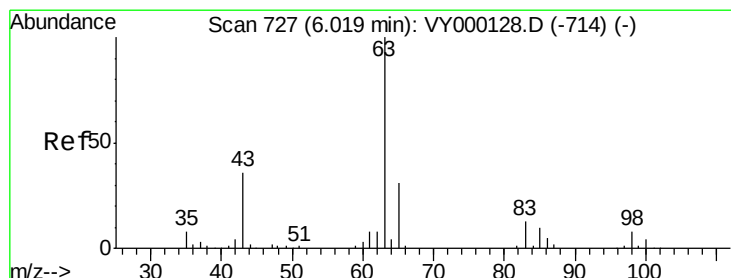
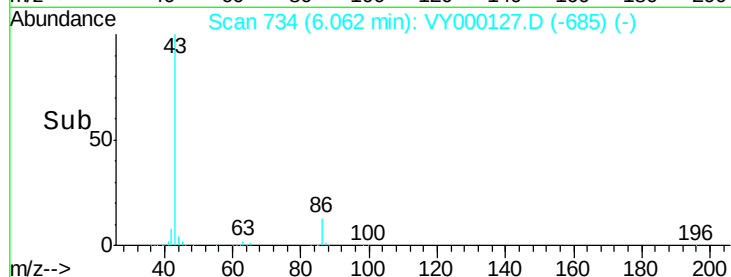
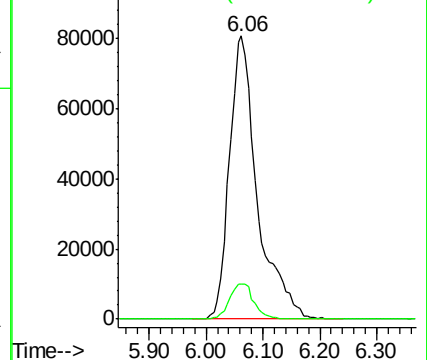
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.890 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

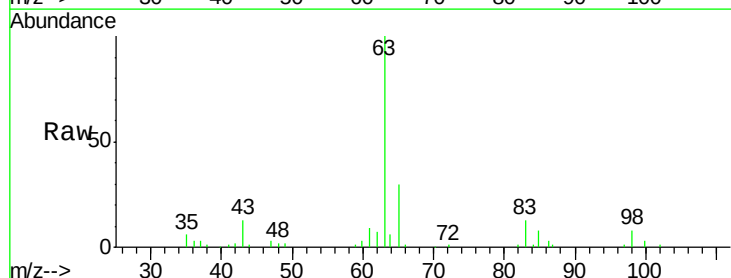
Tgt Ion: 63 Resp: 50224

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

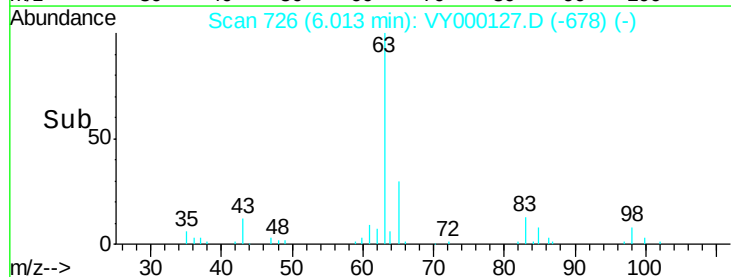
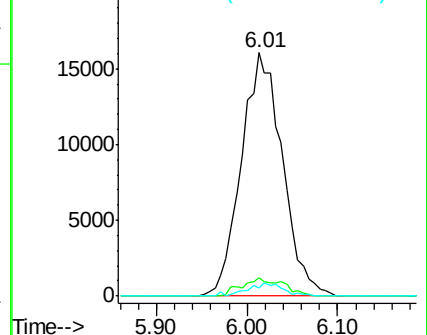
100 3.4 2.2 6.6

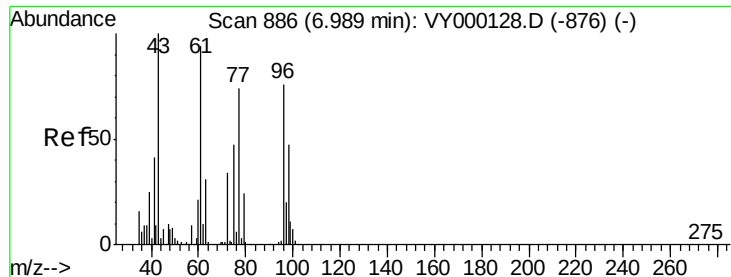


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 106.306 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 49144

Ion Ratio Lower Upper

43 100

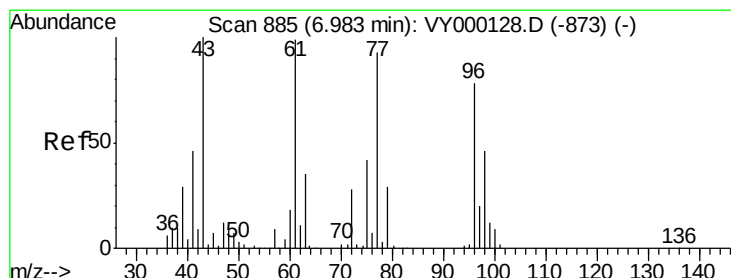
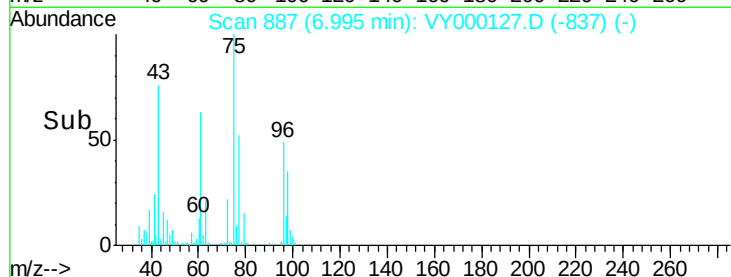
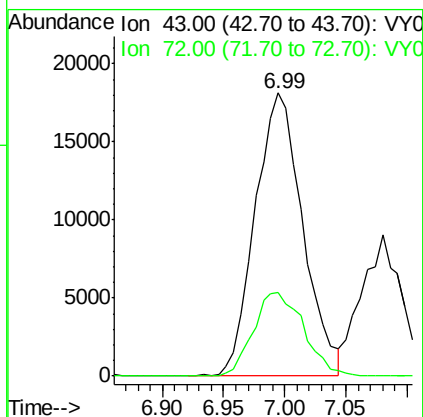
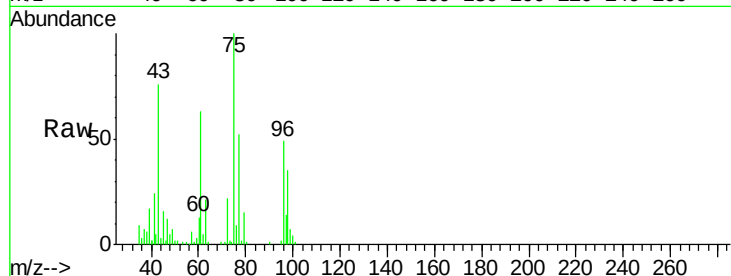
72 29.5 27.0 40.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.415 ug/l

RT: 6.98 min Scan# 885

Delta R.T. 0.00 min

Lab File: VY000127.D

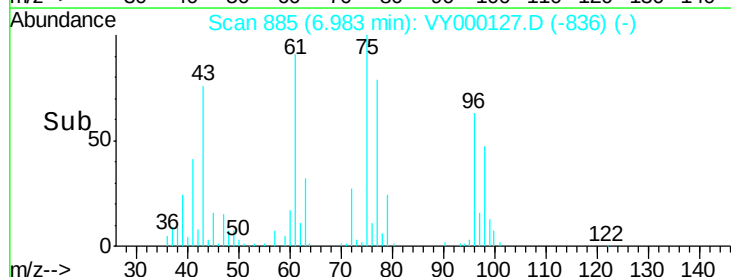
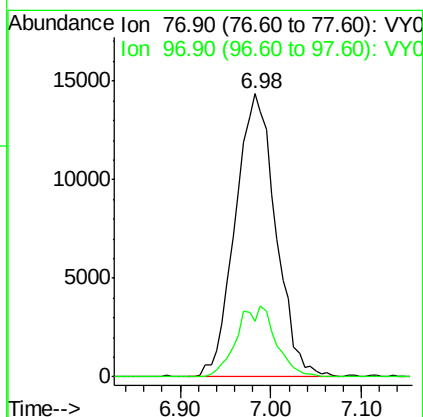
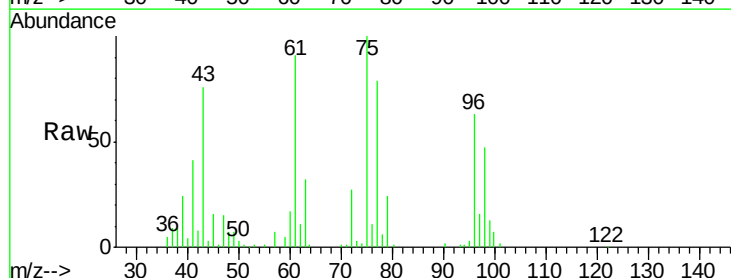
Acq: 23 Sep 2019 11:46

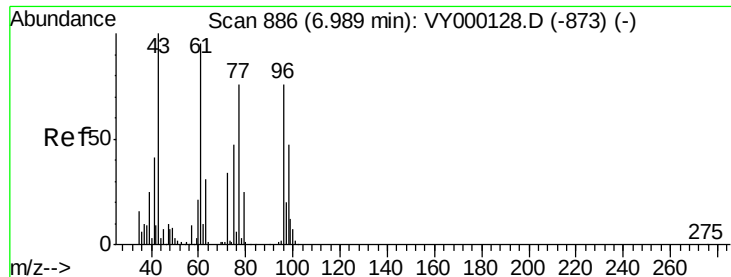
Tgt Ion: 77 Resp: 44479

Ion Ratio Lower Upper

77 100

97 12.5 12.0 36.0





#27

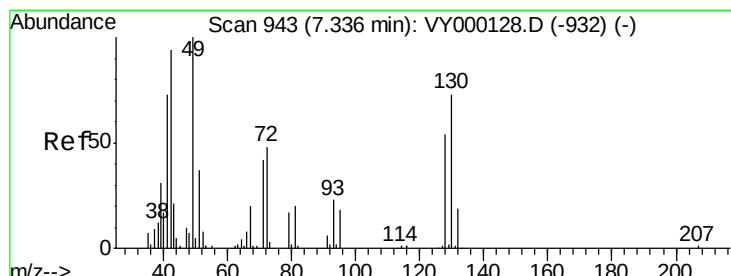
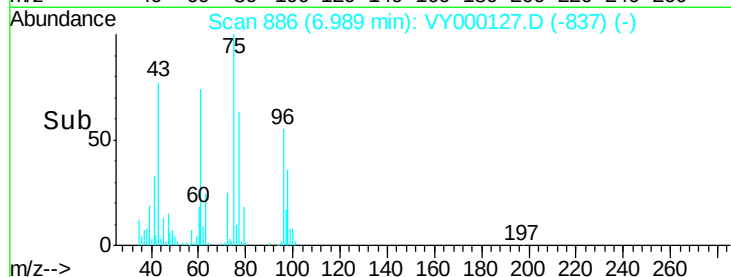
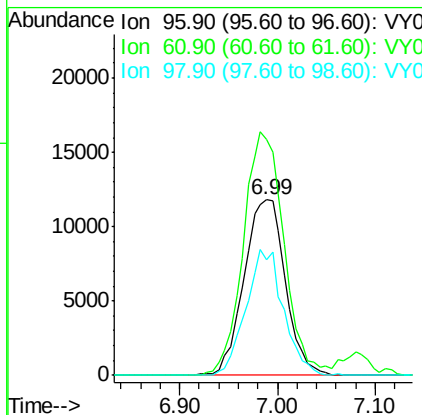
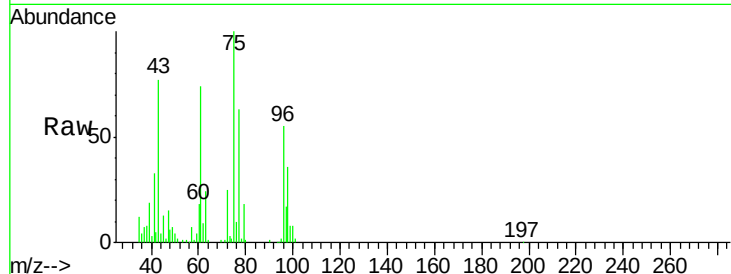
cis-1,2-Dichloroethene
Concen: 20.679 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	254.8
98	64.8	0.0	127.8

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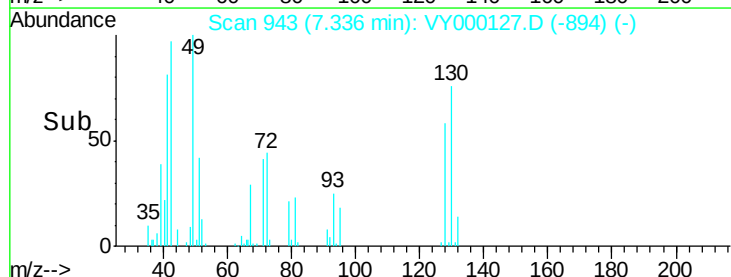
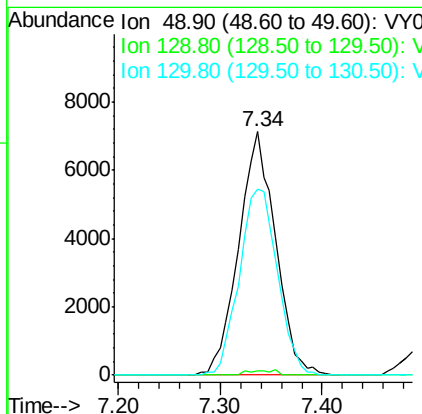
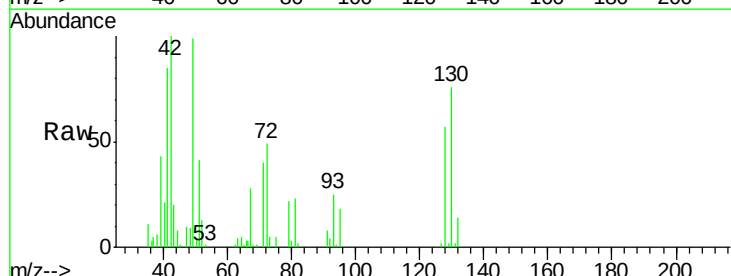
MMDadoda
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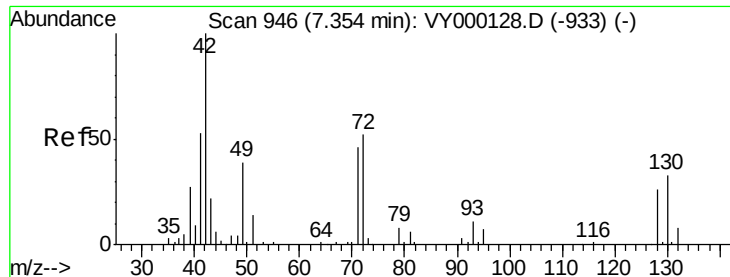


#28

Bromochloromethane
Concen: 19.033 ug/l
RT: 7.34 min Scan# 943
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	79.0	62.0	93.0





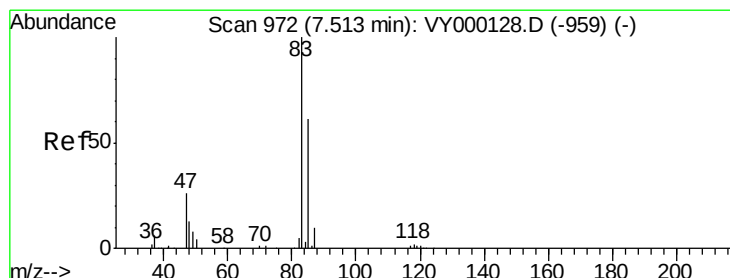
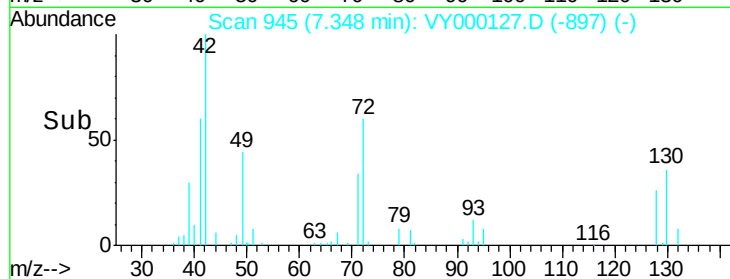
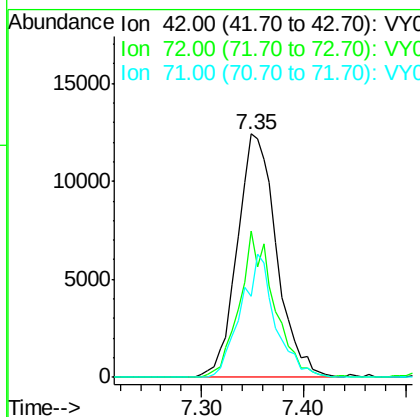
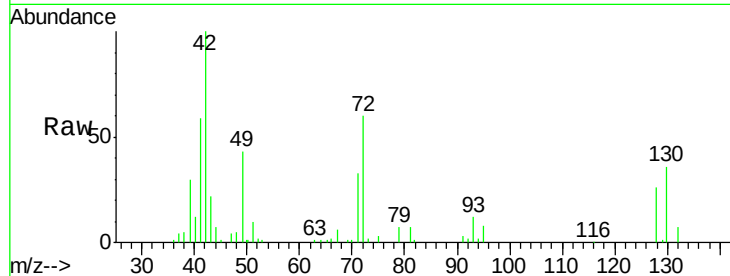
#29
Tetrahydrofuran
Concen: 106.153 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.2	41.8	62.8
71	44.2	38.6	58.0

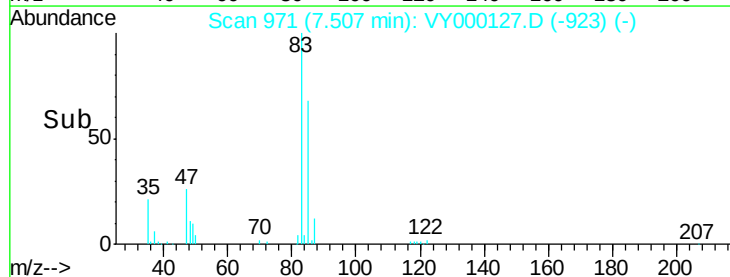
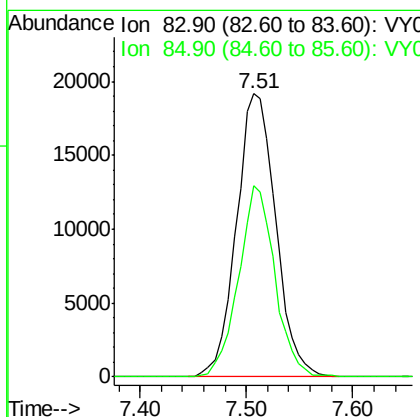
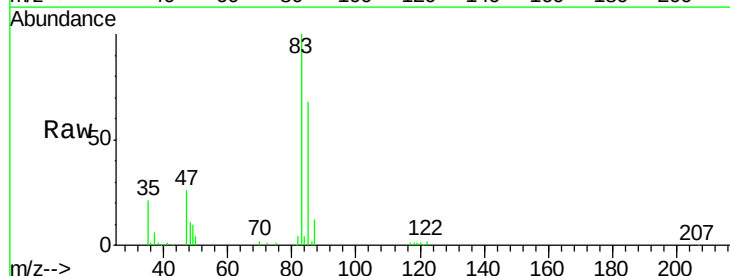
Manual Integrations
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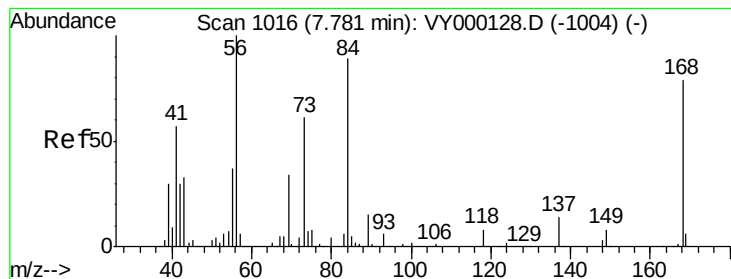
MMDadoda
9/25/2019 12:39:20 AM



#30
Chloroform
Concen: 20.500 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	49.0	73.6





#31

Cyclohexane

Concen: 20.765 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

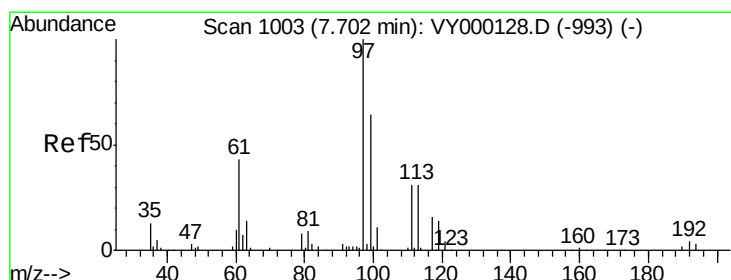
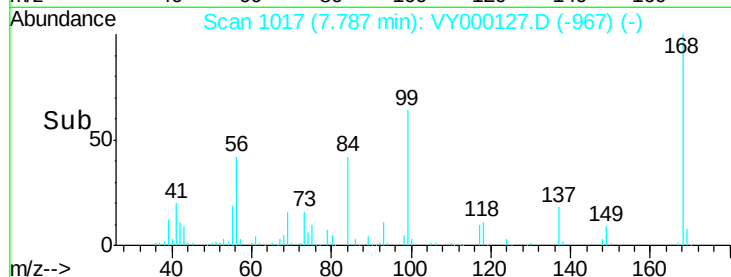
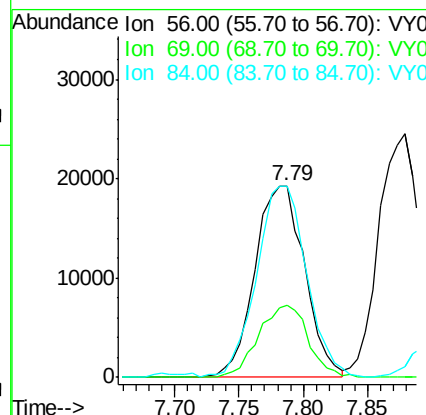
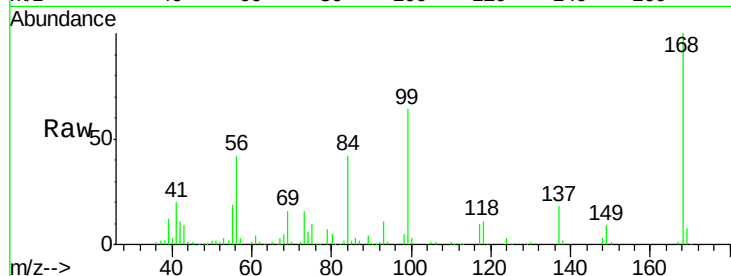
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	51768
Ion	Ratio	Lower	Upper
56	100		
69	37.9	27.1	40.7
84	97.7	71.3	106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.213 ug/l

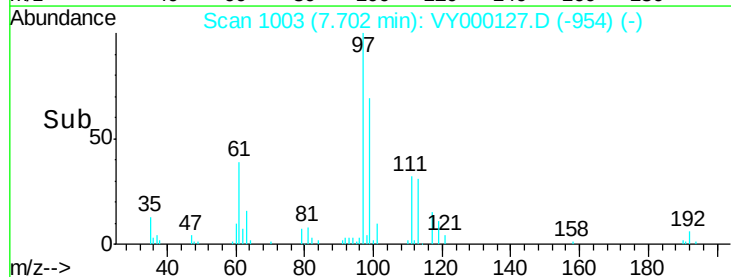
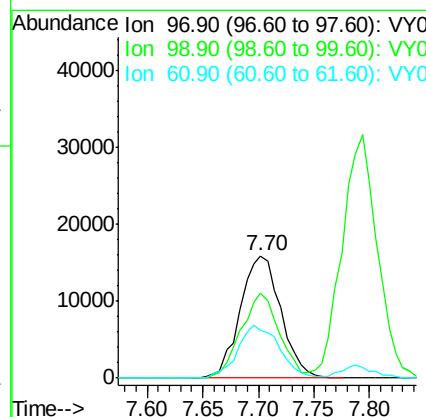
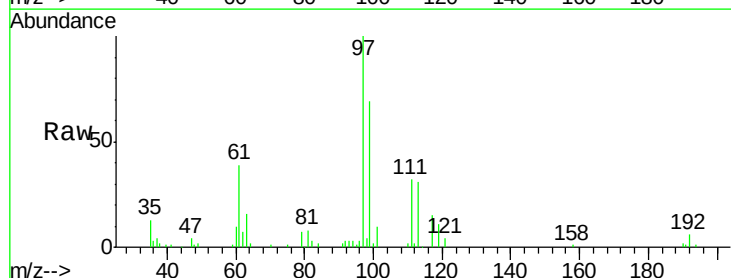
RT: 7.70 min Scan# 1003

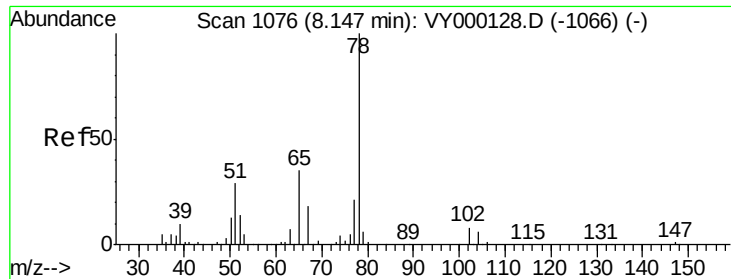
Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	97	Resp:	40249
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.3	76.9
61	44.6	36.0	54.0





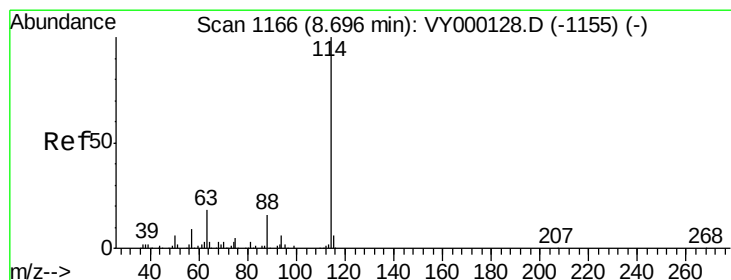
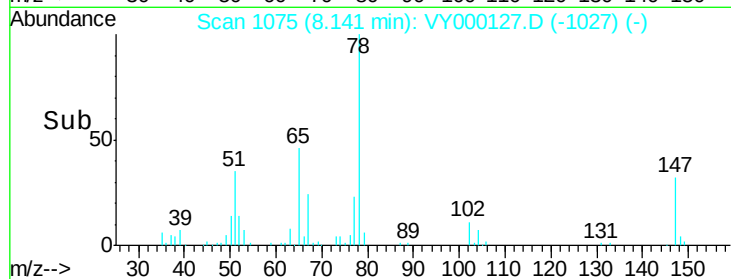
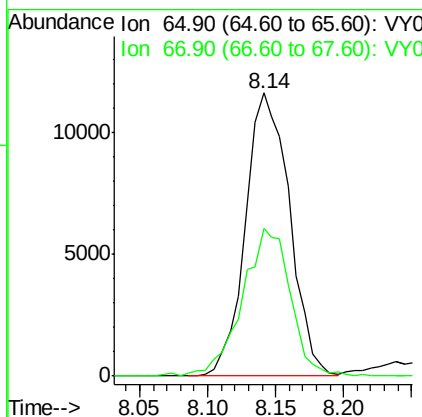
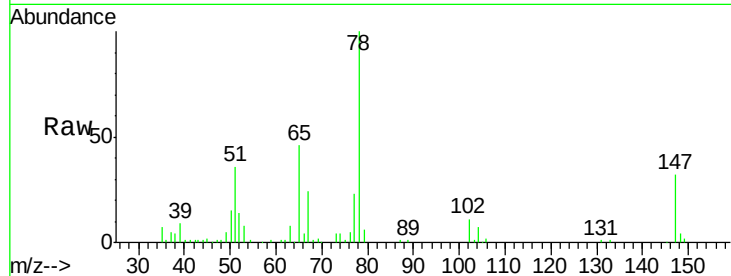
#33
 1,2-Dichloroethane-d4
 Concen: 20.558 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	26351		
67	56.7	0.0	109.6	

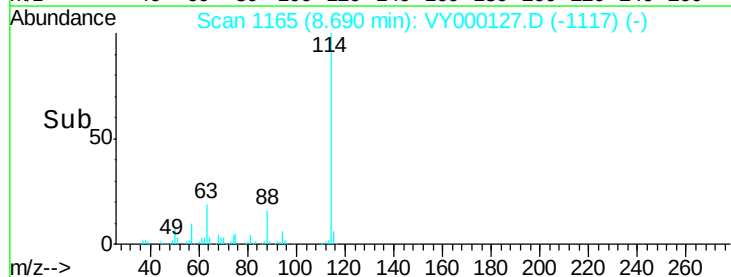
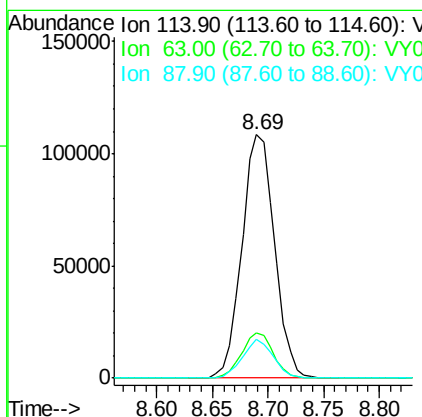
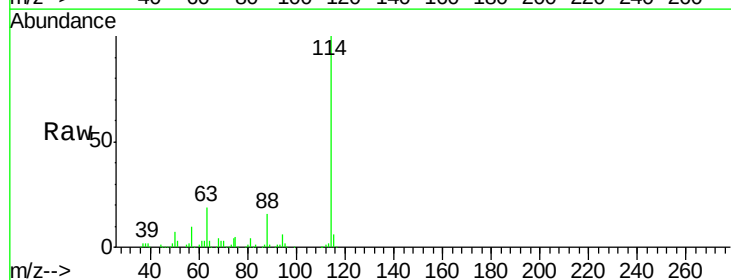
Manual Integrations
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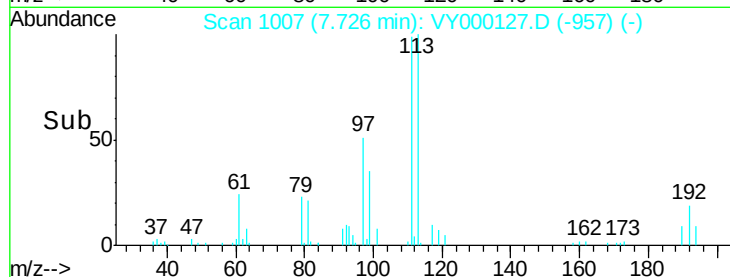
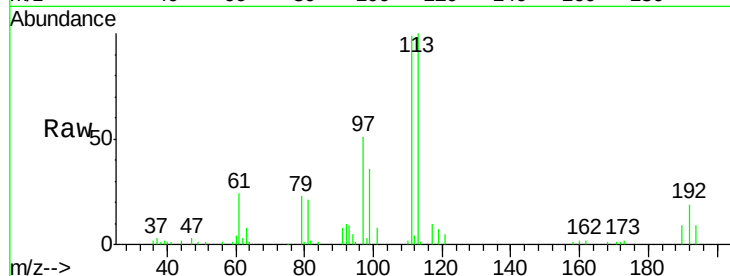
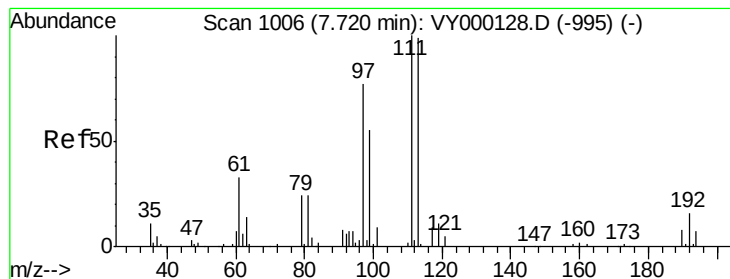
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	220349		
63	18.5	0.0	35.6	
88	15.9	0.0	31.8	





#35

Dibromofluoromethane

Concen: 19.824 ug/l

RT: 7.73 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tot Ion:	113	Resp:	25082
Ion	Ratio	Lower	Upper
113	100		
111	106.7	83.0	124.4
192	17.1	13.5	20.3

Instrument :

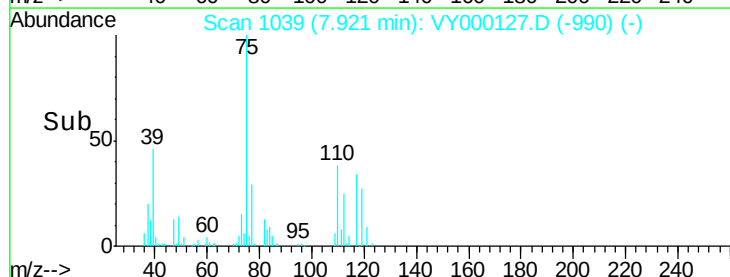
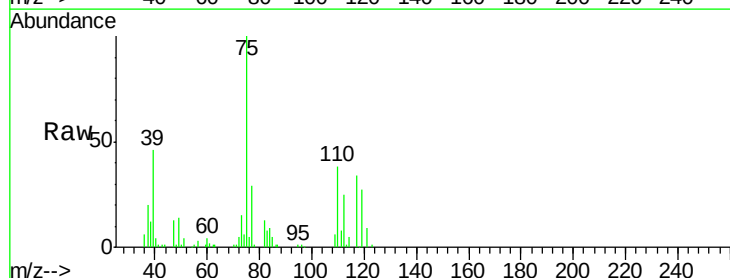
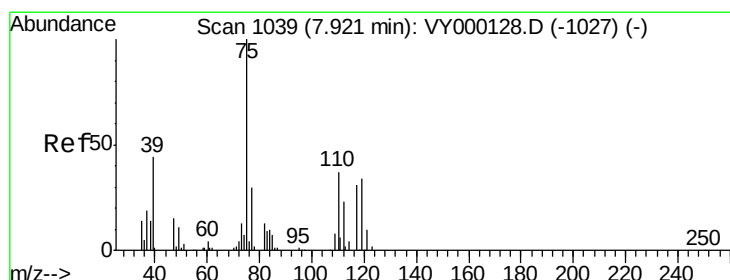
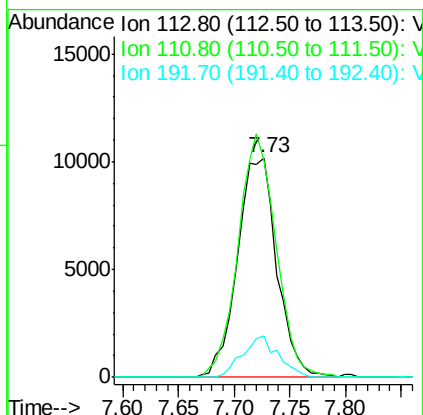
MSVOA_Y

ClientSampleId :

VSTDIC020

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#36

1,1-Dichloropropene

Concen: 20.303 ug/l

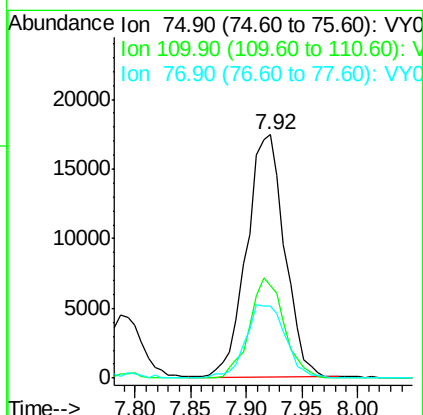
RT: 7.92 min Scan# 1039

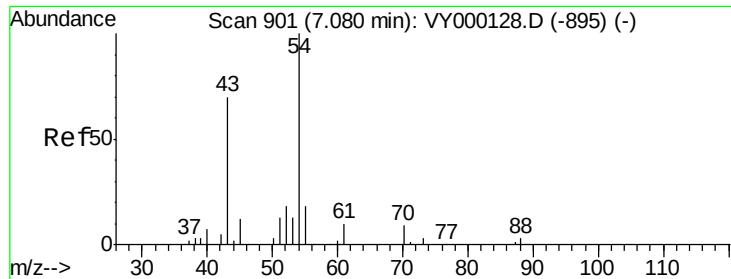
Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	75	Resp:	41423
Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.1	57.3
77	31.6	24.7	37.1





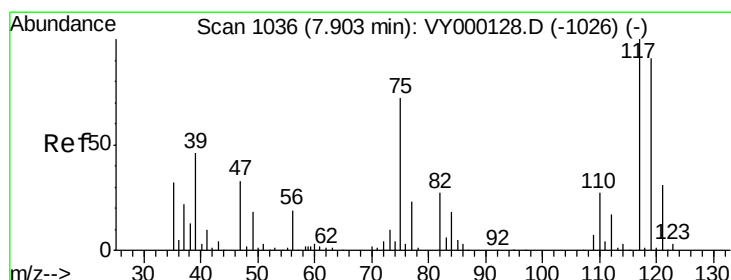
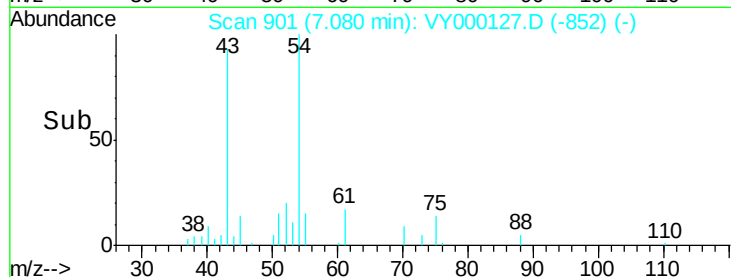
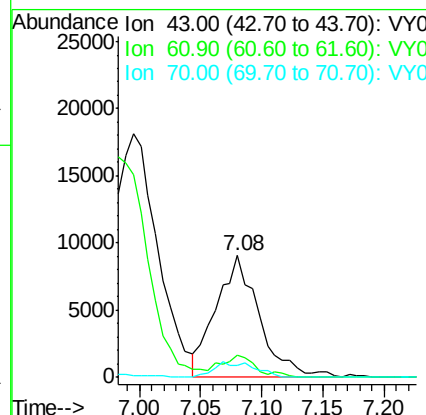
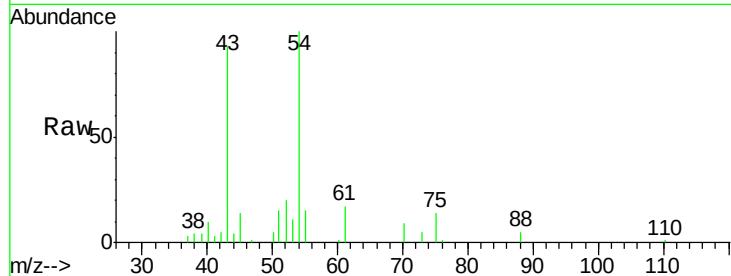
#37
Ethyl Acetate
Concen: 20.694 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.7	12.1	18.1#
70	11.9	10.0	15.0

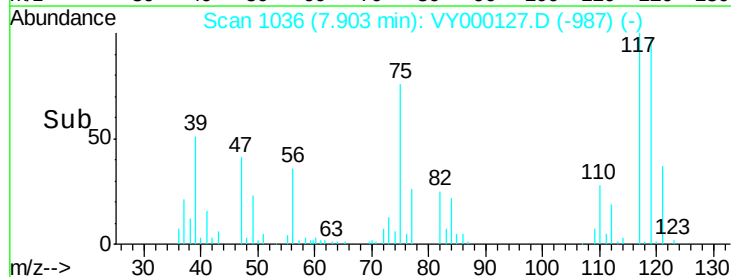
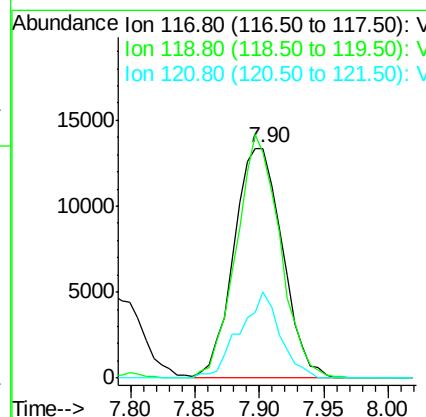
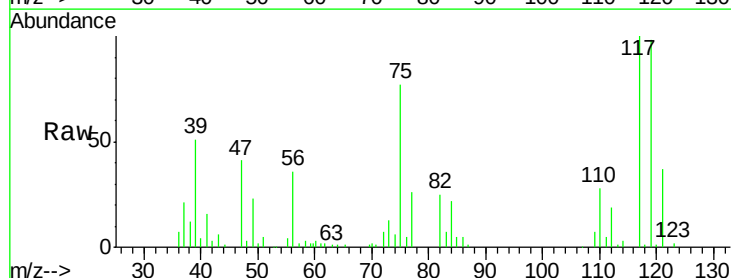
Manual Integrations
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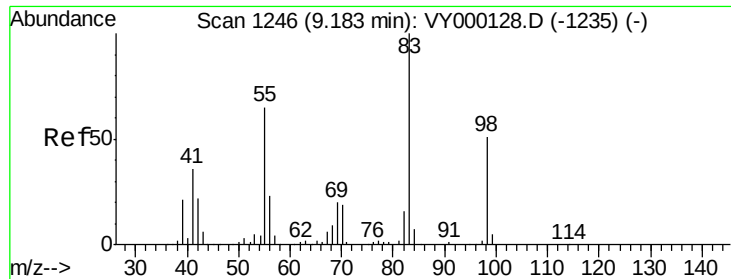
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#38
Carbon Tetrachloride
Concen: 19.986 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	72.6	108.8
121	37.4	24.3	36.5#





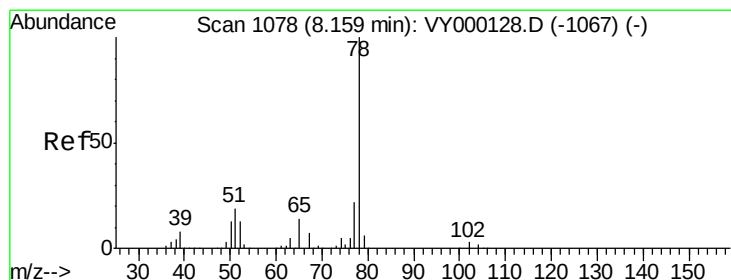
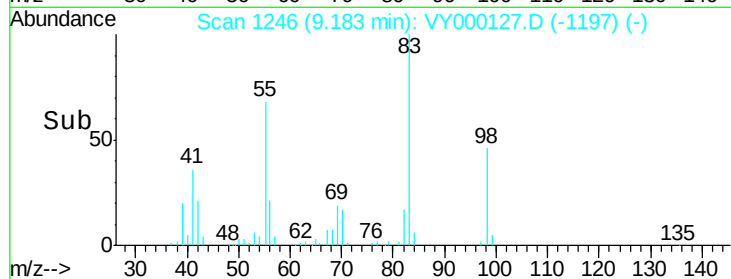
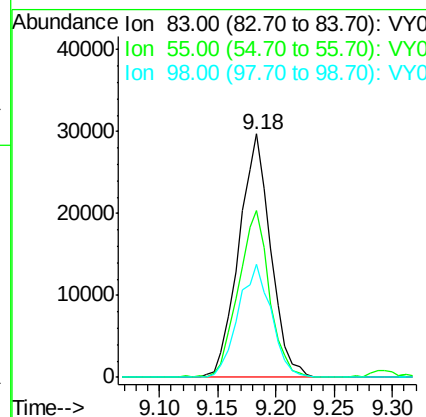
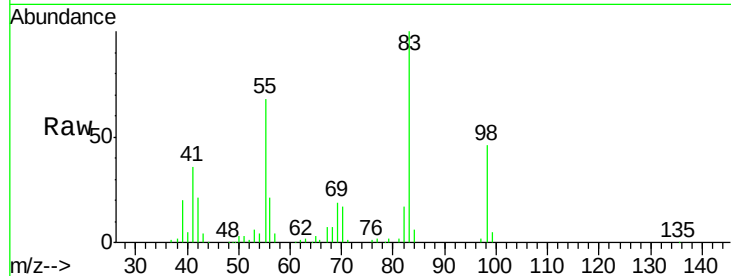
#39
Methylvlcyclohexane
Concen: 20.193 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	52.3	78.5
98	46.3	40.6	61.0

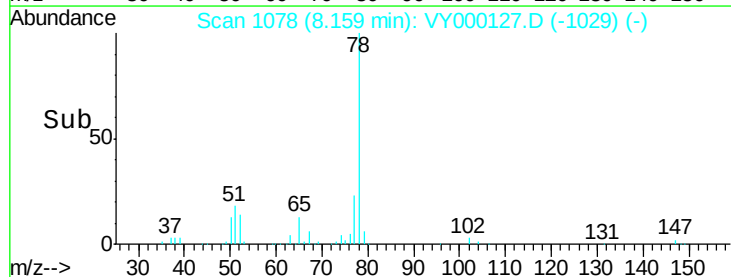
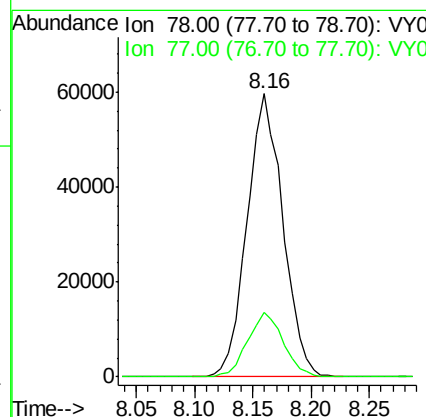
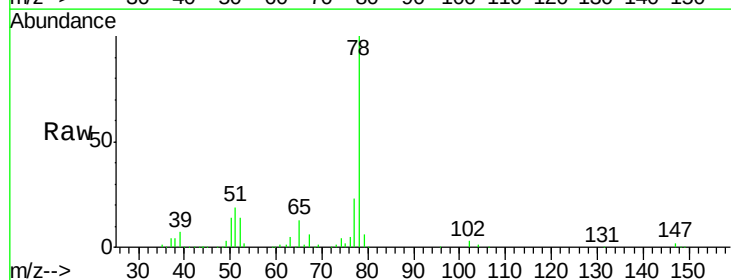
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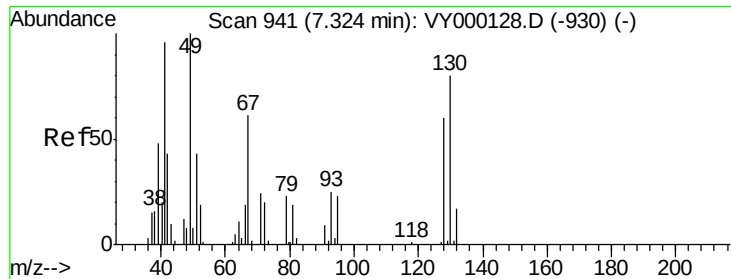
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#40
Benzene
Concen: 20.302 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.9	26.9





#41

Methacrylonitrile

Concen: 10.515 ug/l

RT: 7.31 min Scan# 938

Delta R.T. -0.02 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 8991

Ion Ratio Lower Upper

41 100

39 73.7 53.4 80.0

67 122.8 0.0 0.0#

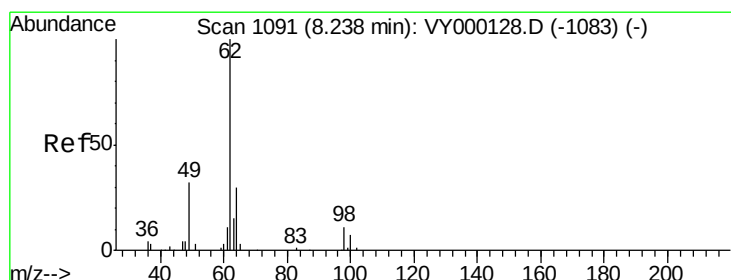
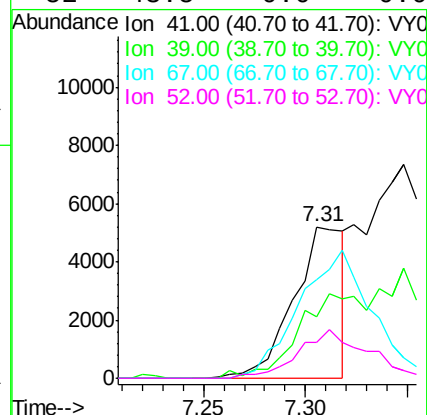
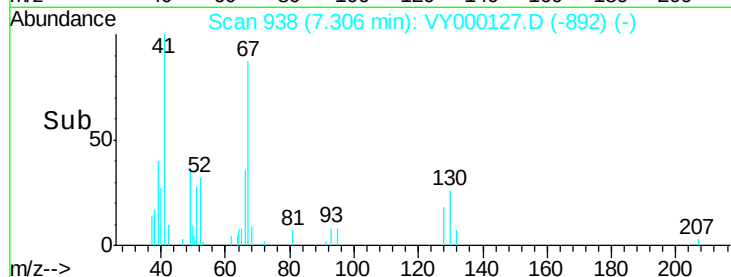
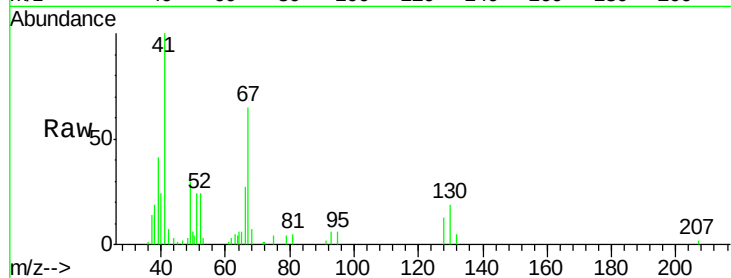
52 43.5 0.0 0.0#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.795 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VY000127.D

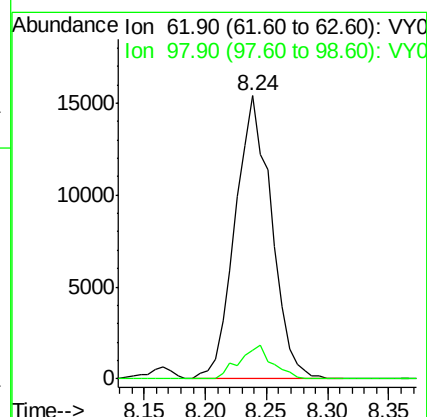
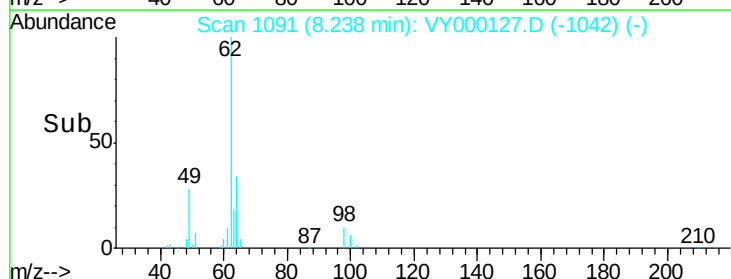
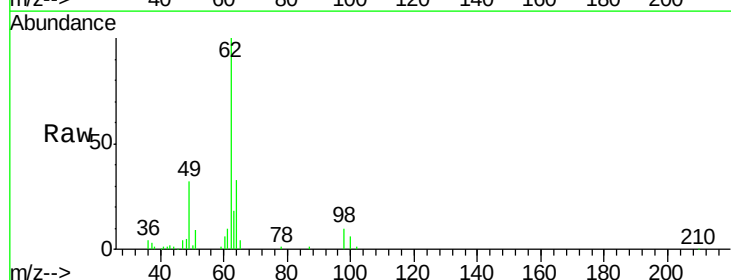
Acq: 23 Sep 2019 11:46

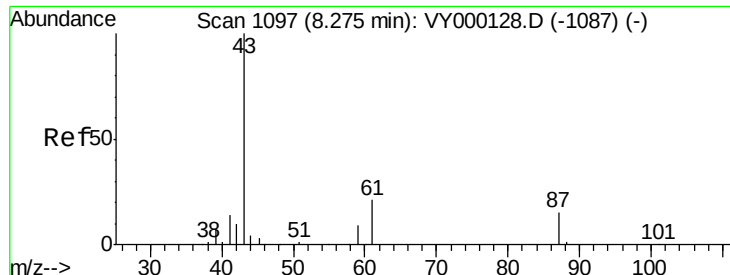
Tgt Ion: 62 Resp: 31786

Ion Ratio Lower Upper

62 100

98 10.6 0.0 22.4





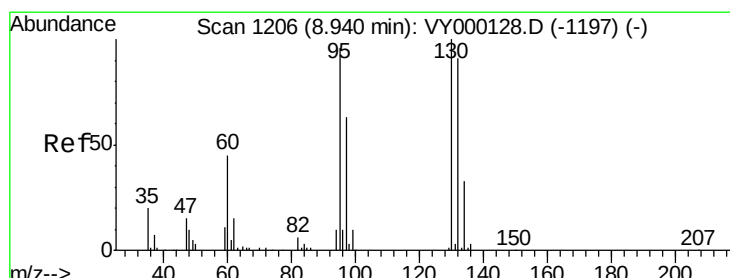
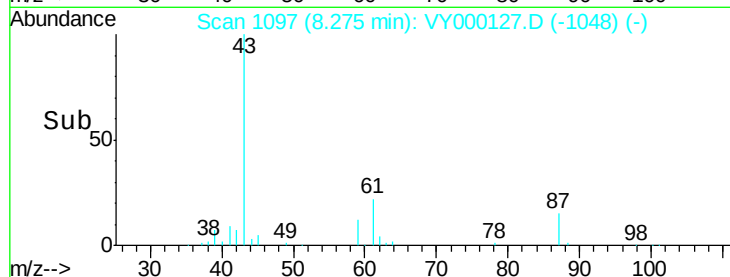
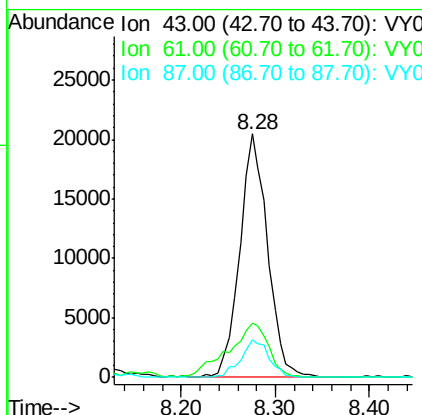
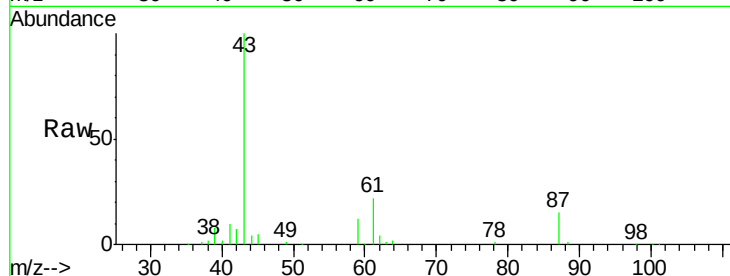
#43
Isopropyl Acetate
Concen: 19.479 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	37.0
87	15.6	12.5	18.7

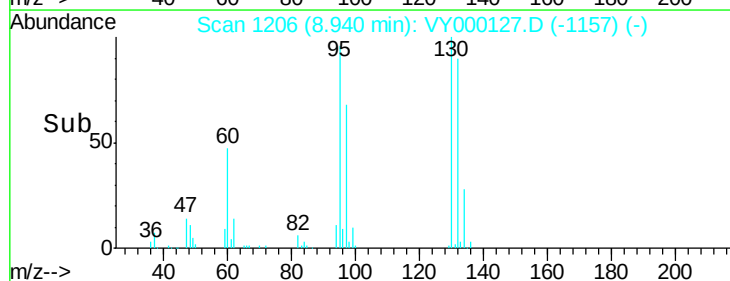
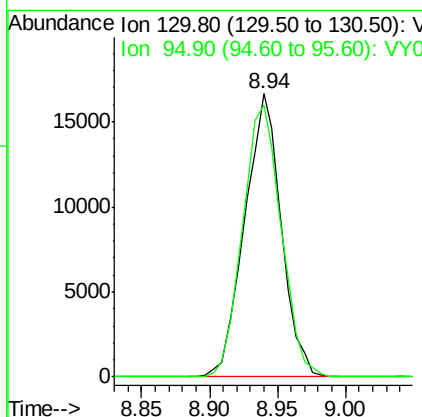
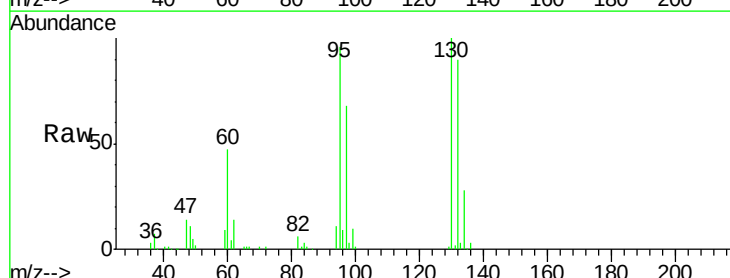
Manual Integrations
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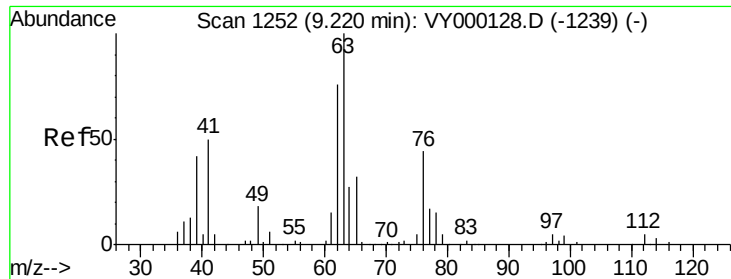
MMDadoda
9/25/2019 12:39:20 AM



#44
Trichloroethene
Concen: 20.039 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	192.0





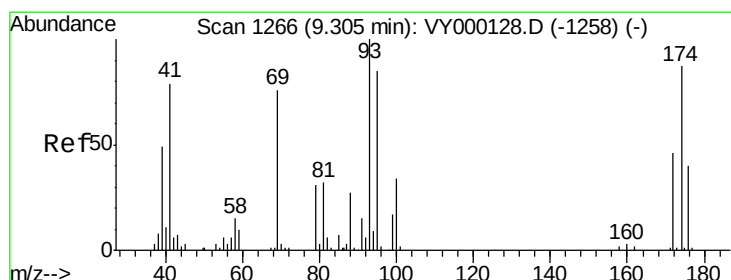
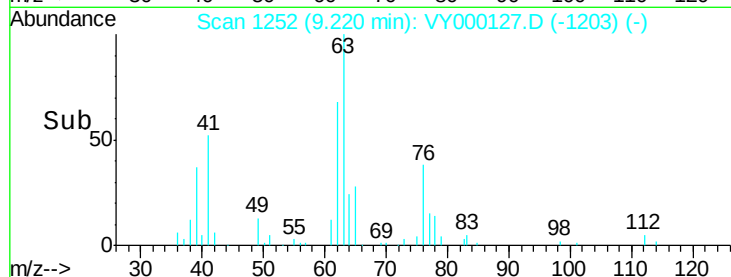
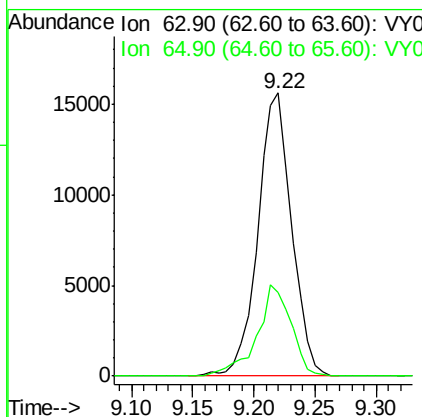
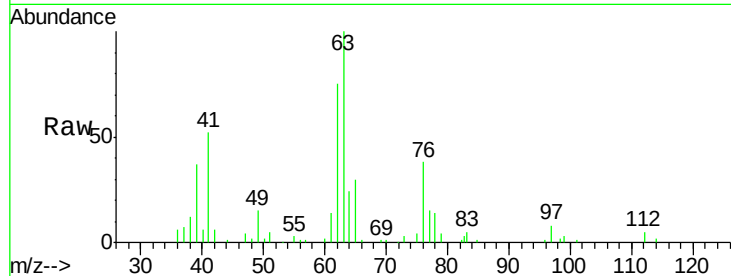
#45
 1,2-Dichloropropane
 Concen: 19.669 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 29915
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.4 38.2

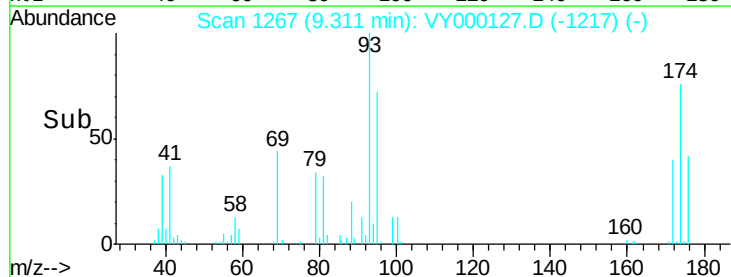
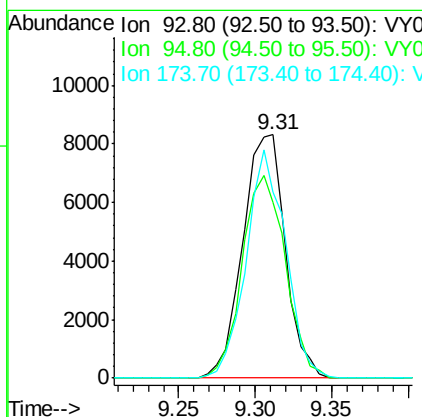
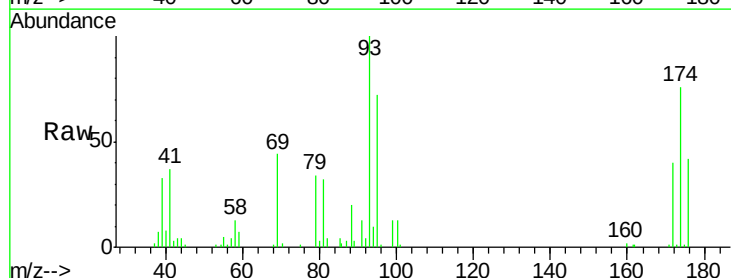
Manual Integrations
 APPROVED

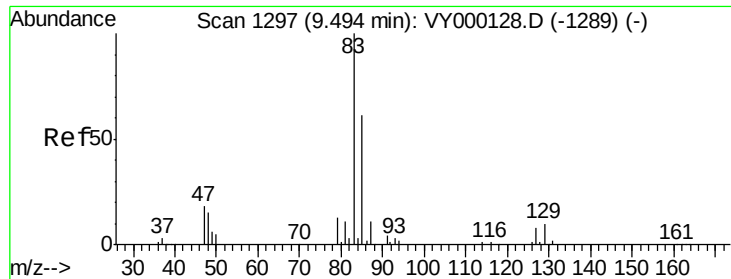
MMDadoda
 9/25/2019 12:39:20 AM



#46
 Dibromomethane
 Concen: 19.022 ug/l
 RT: 9.31 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion: 93 Resp: 16090
 Ion Ratio Lower Upper
 93 100
 95 84.6 68.6 103.0
 174 86.6 69.4 104.0





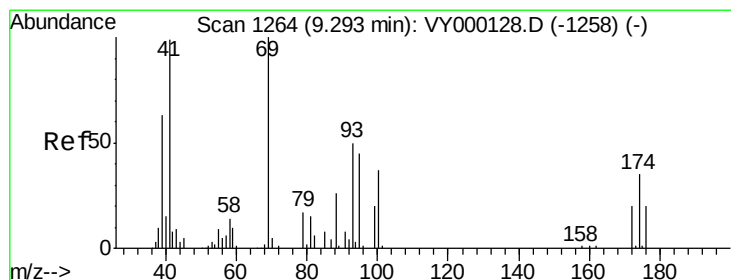
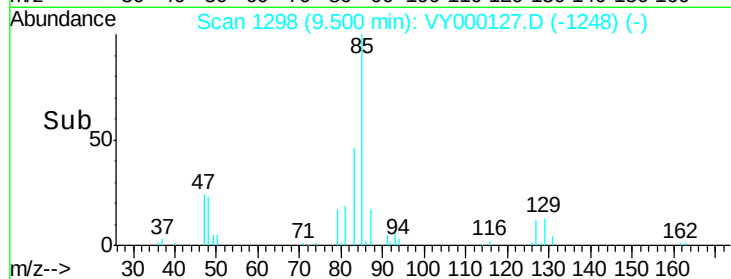
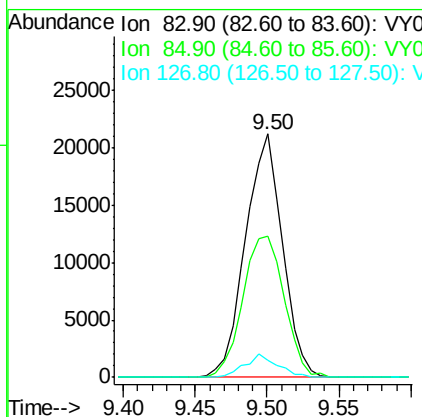
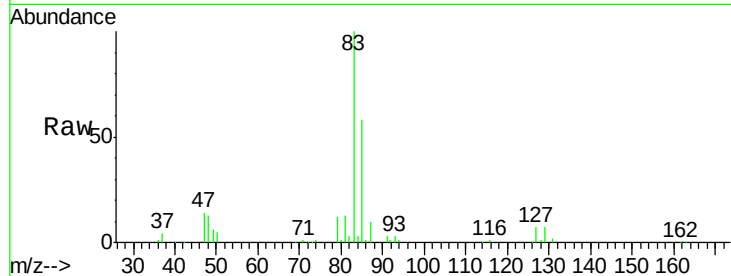
#47
Bromodichloromethane
Concen: 19.452 ug/l
RT: 9.50 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	37673
Ion Ratio	100	Lower	Upper
83	100		
85	58.2	48.6	73.0
127	6.8	6.2	9.4

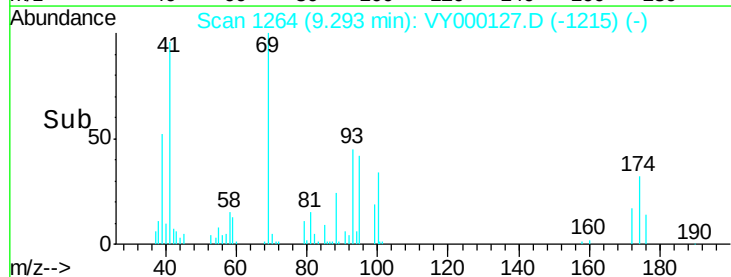
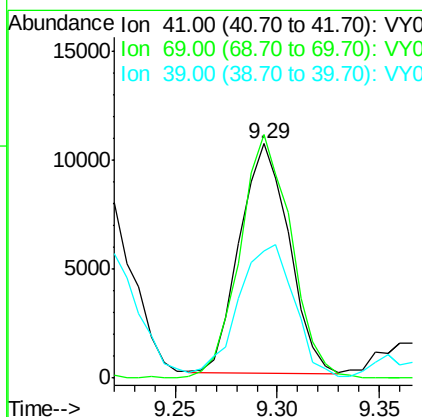
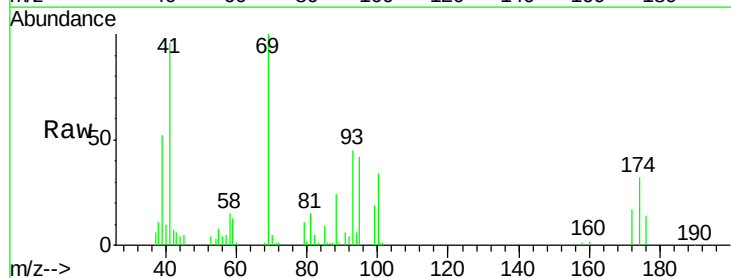
Manual Integrations
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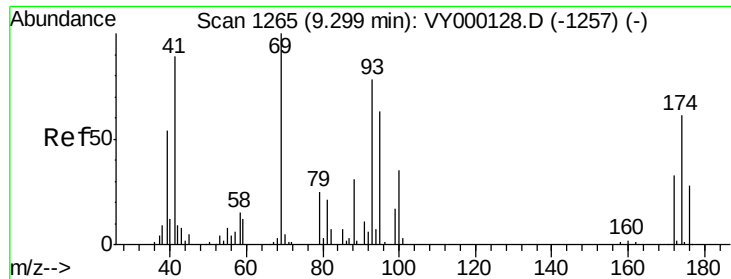
MMDadoda
9/25/2019 12:39:20 AM



#48
Methyl methacrylate
Concen: 19.275 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	41	Resp	17752
Ion Ratio	100	Lower	Upper
41	100		
69	110.0	81.0	121.6
39	66.6	53.2	79.8





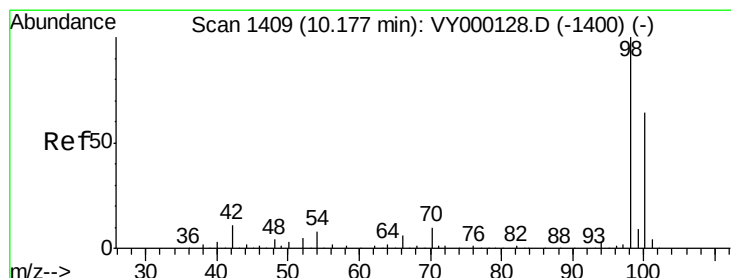
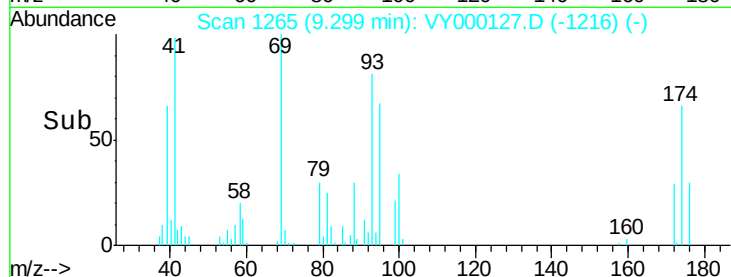
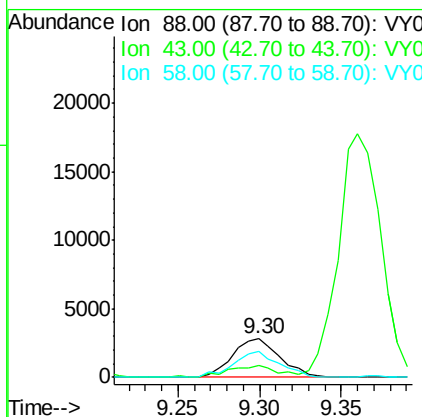
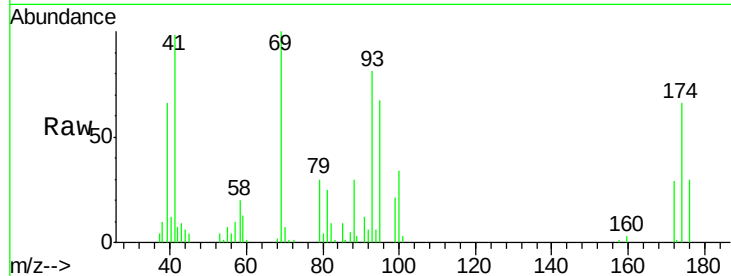
#49
 1,4-Dioxane
 Concen: 427.455 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	88	Resp	5708
Ion	Ratio	Lower	Upper
88	100		
43	32.4	22.6	33.8
58	62.7	42.5	63.7

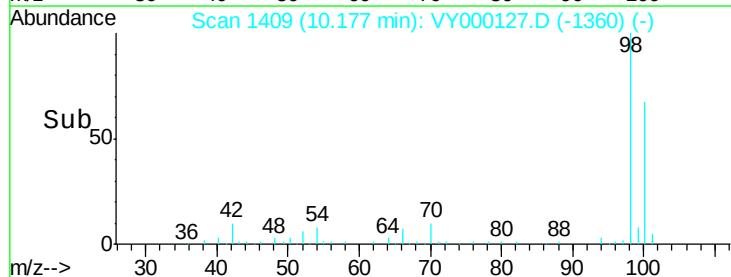
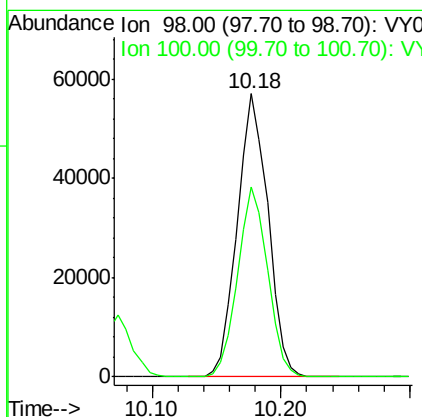
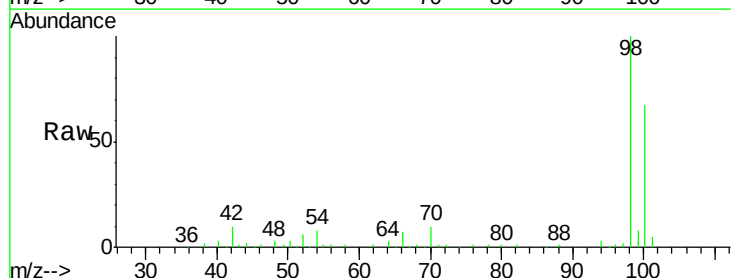
Manual Integrations
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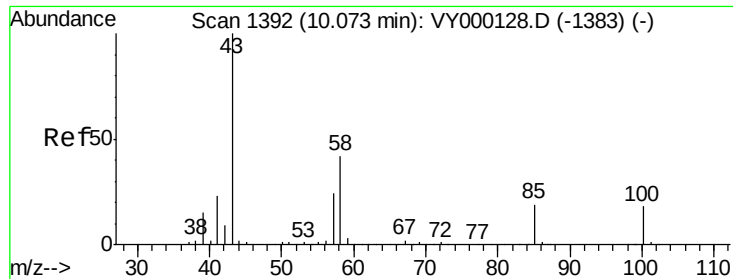
MMDadoda
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#50
 Toluene-d8
 Concen: 18.509 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	98	Resp	94274
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





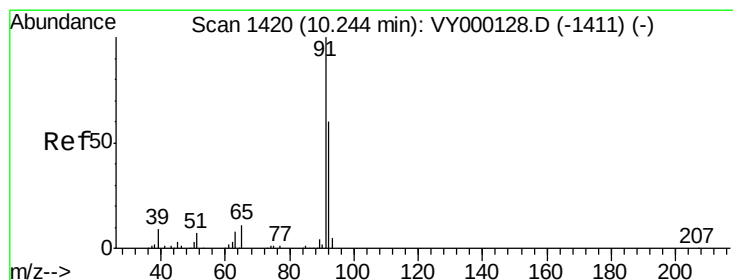
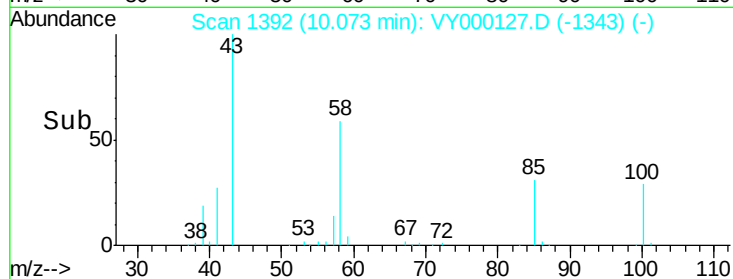
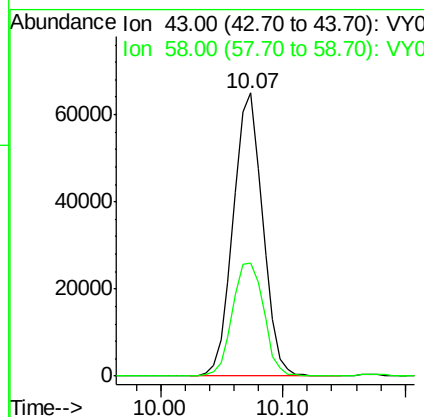
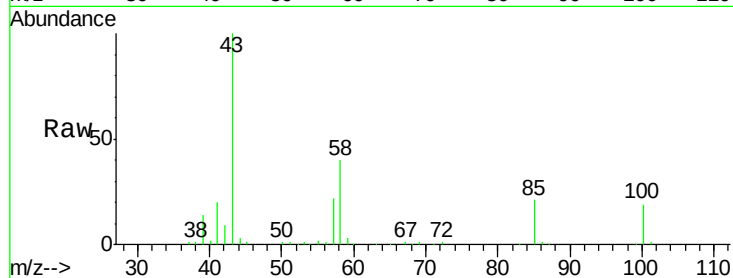
#51
4-Methyl-2-Pentanone
Concen: 98.653 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	58	Resp	108342
Ion Ratio	100	42.3	Lower	Upper
			33.0	49.6

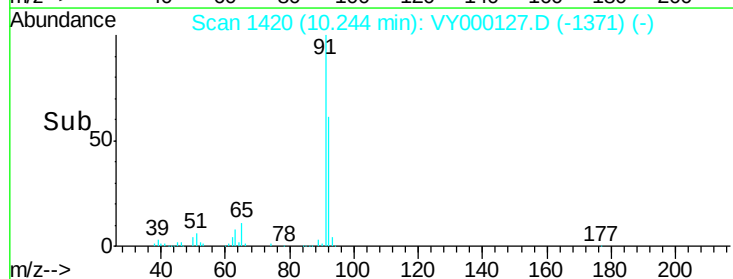
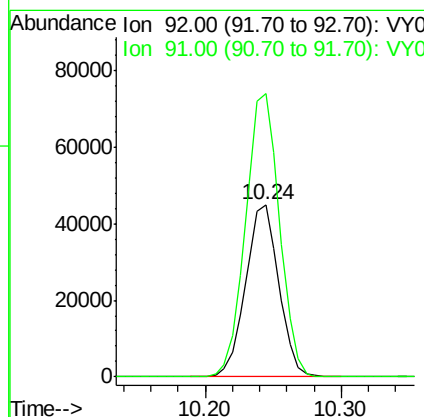
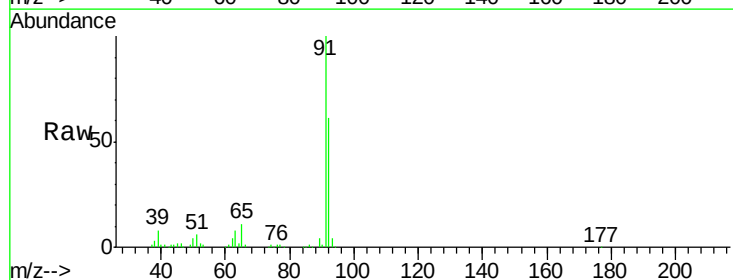
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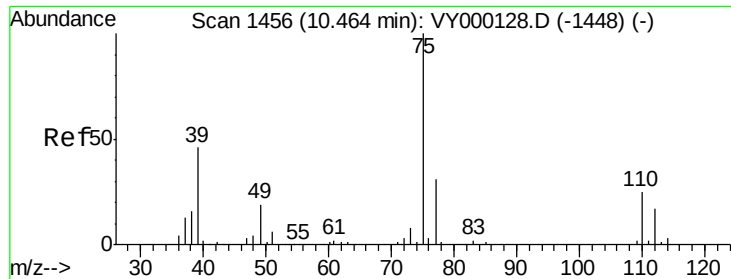
MMDadoda
9/25/2019 12:39:20 AM



#52
Toluene
Concen: 19.758 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	92	91	Resp	76881
Ion Ratio	100	167.6	Lower	Upper
			135.7	203.5





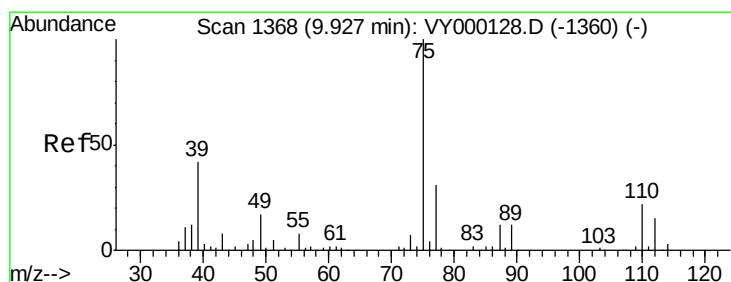
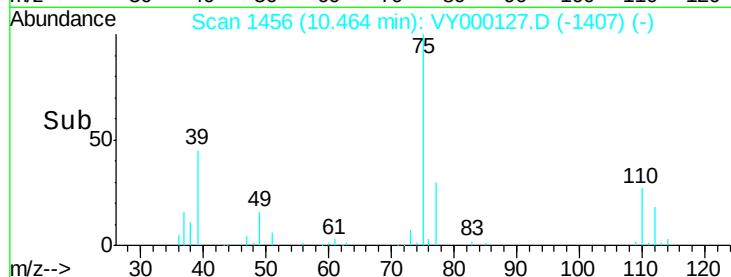
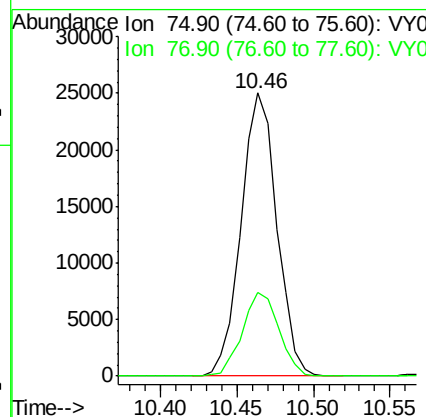
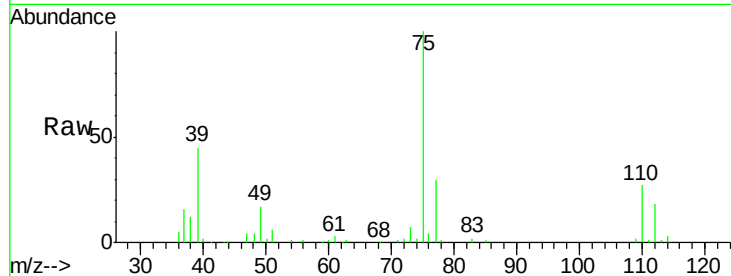
#53
 t-1,3-Dichloropropene
 Concen: 19.189 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	75	Resp	40525
Ion Ratio	100	Lower	Upper
77	29.8	24.9	37.3

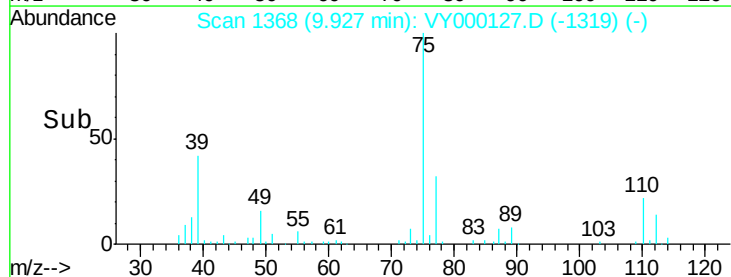
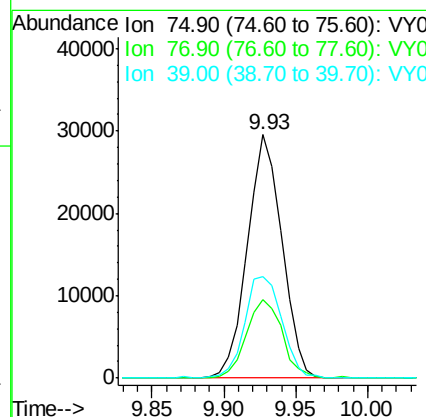
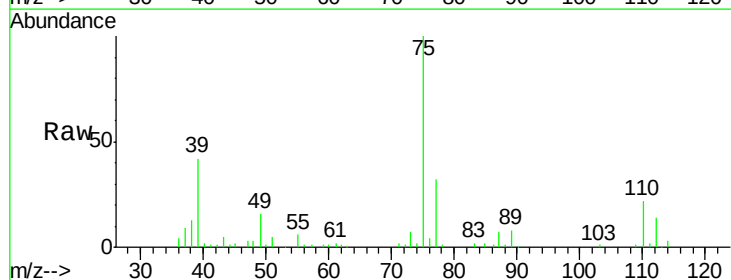
Manual Integrations
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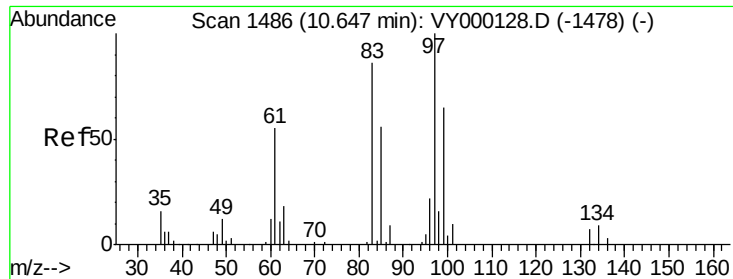
MMDadoda
 9/25/2019 12:39:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.017 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	75	Resp	49010
Ion Ratio	100	Lower	Upper
77	32.4	24.6	37.0
39	41.8	33.8	50.6





#55

1,1,2-Trichloroethane

Concen: 19.308 ug/l

RT: 10.64 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 23388

Ion Ratio Lower Upper

97 100

83 81.5 68.8 103.2

85 52.4 44.9 67.3

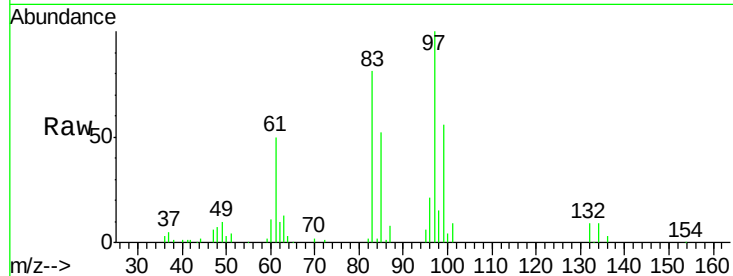
99 55.9 52.1 78.1

Manual Integrations

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MMDadoda

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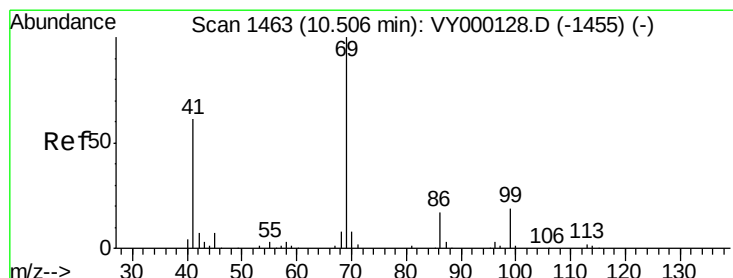
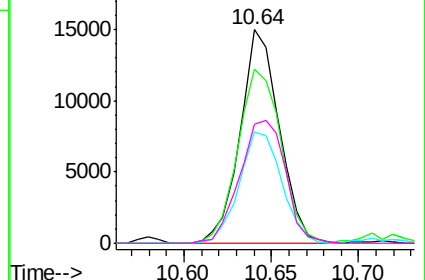
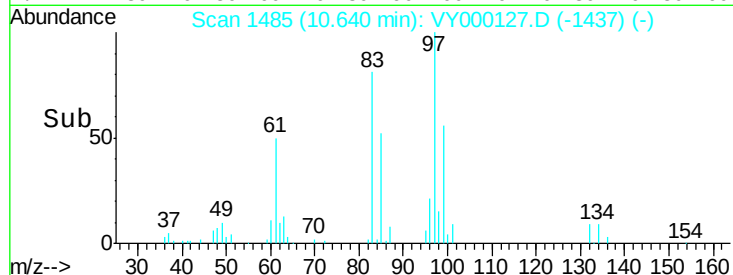


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.103 ug/l

RT: 10.51 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

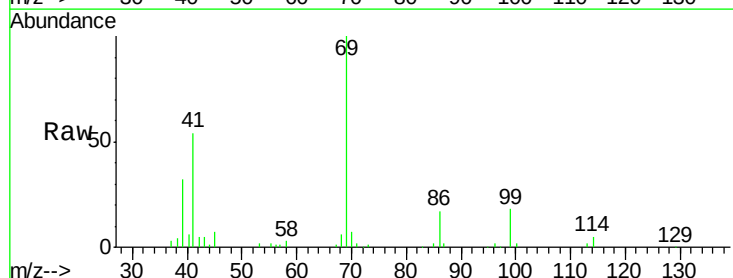
Tgt Ion: 69 Resp: 34301

Ion Ratio Lower Upper

69 100

41 61.3 47.9 71.9

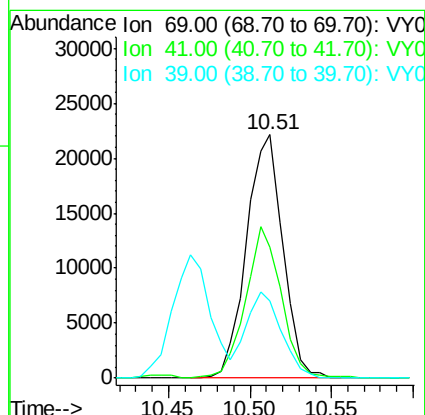
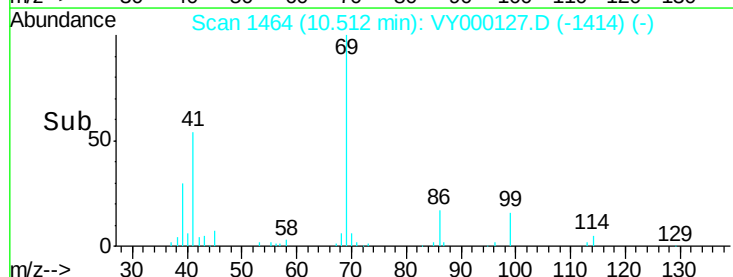
39 34.7 27.4 41.0

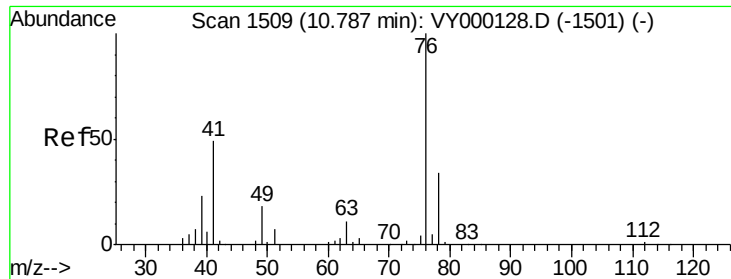


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





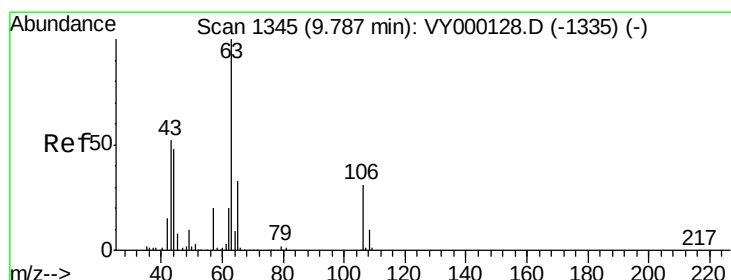
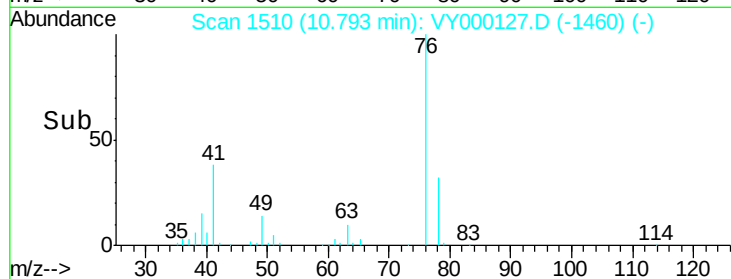
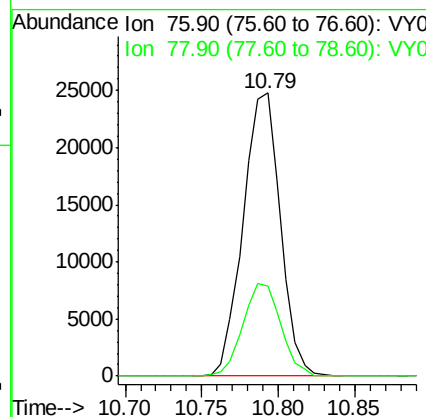
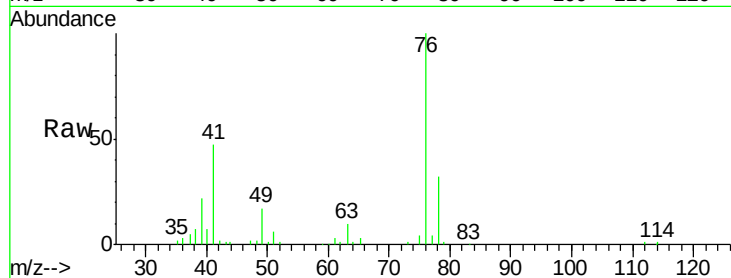
#57
 1,3-Dichloropropane
 Concen: 19.878 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.5	39.7

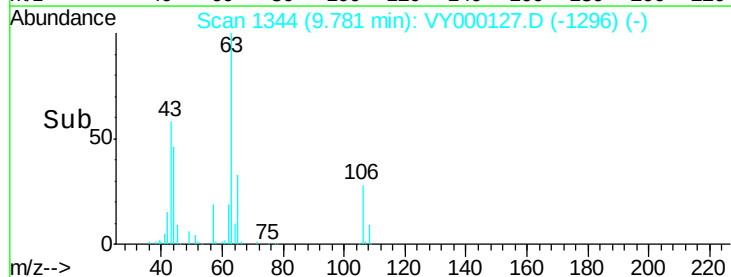
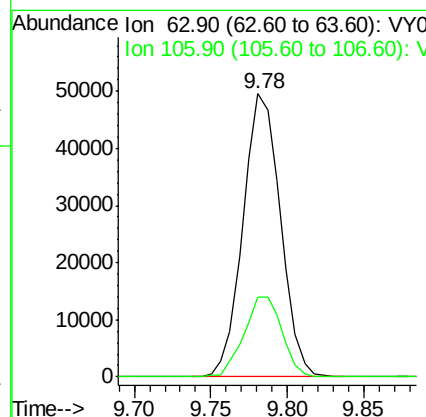
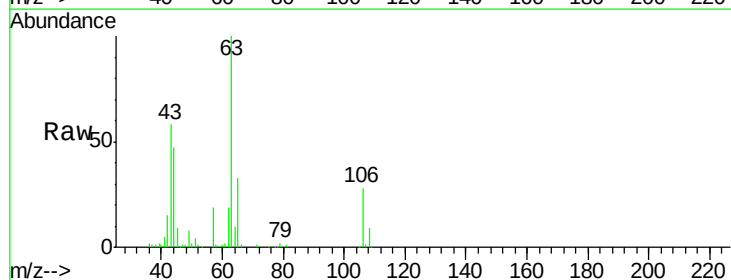
Manual Integrations
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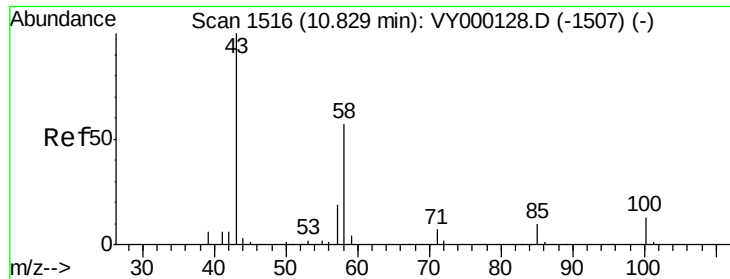
MMDadoda
 9/25/2019 12:39:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.016 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.2	34.8





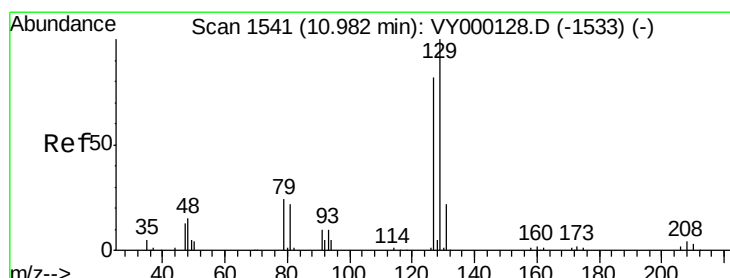
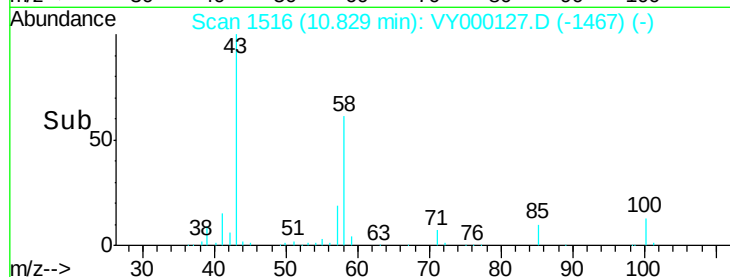
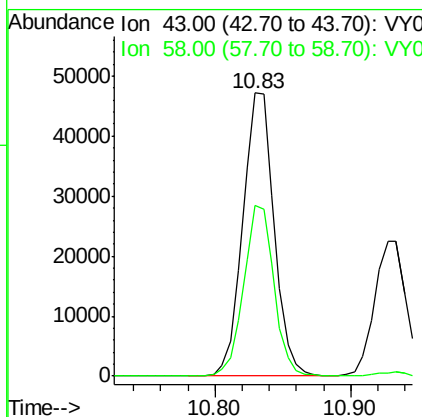
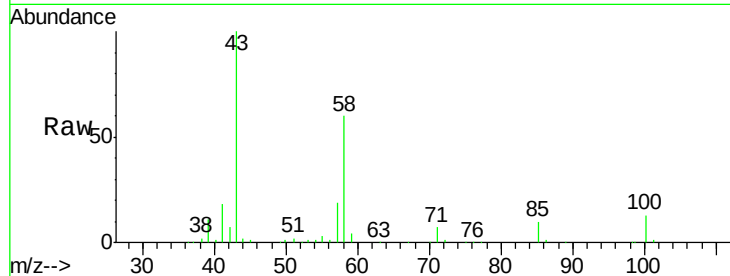
#59
2-Hexanone
Concen: 98.851 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 76041
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.3

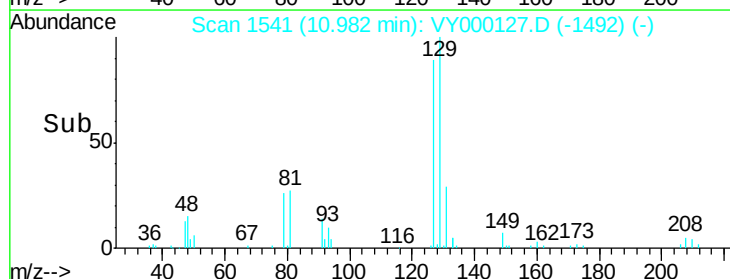
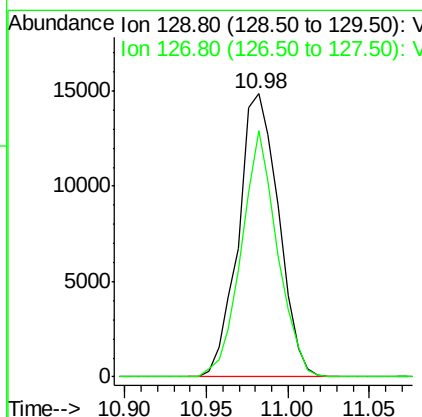
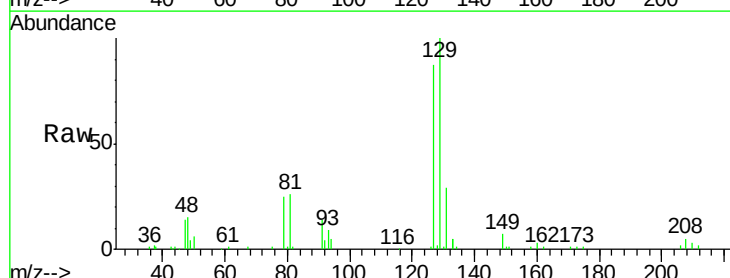
Manual Integrations
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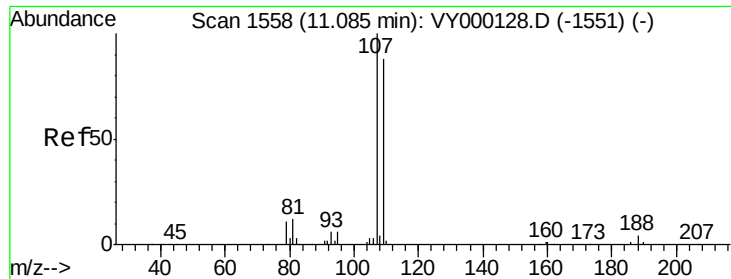
MMDadoda
9/25/2019 12:39:20 AM



#60
Dibromochloromethane
Concen: 20.169 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion: 129 Resp: 25533
Ion Ratio Lower Upper
129 100
127 77.8 37.5 112.3





#61

1,2-Dibromoethane

Concen: 19.907 ug/l

RT: 11.09 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 22662

Ion Ratio Lower Upper

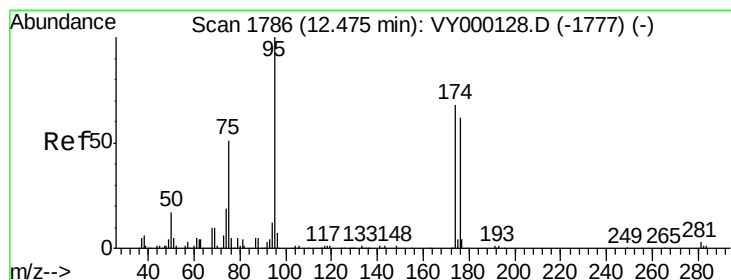
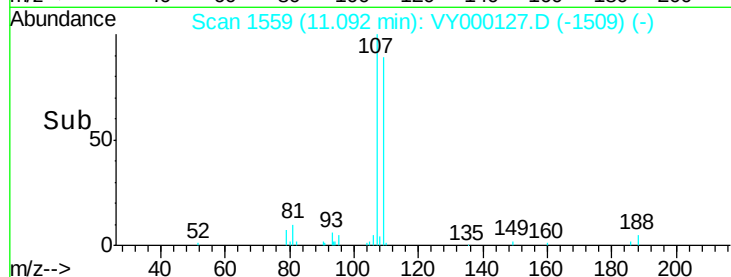
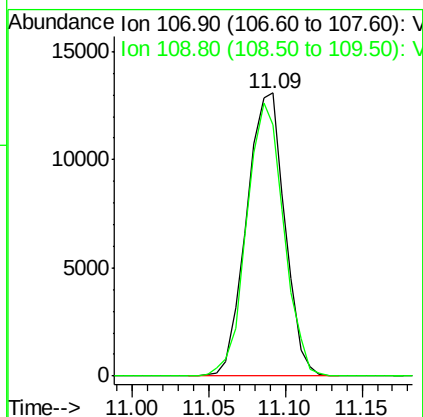
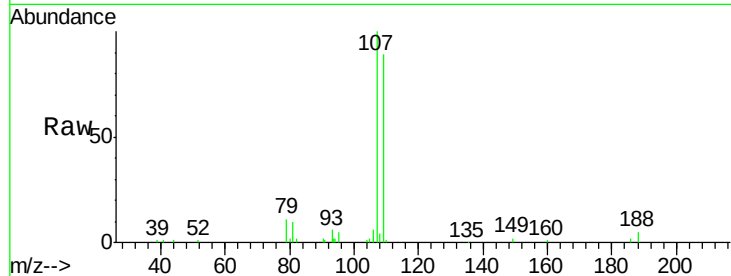
107 100

109 94.0 74.0 111.0

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#62

4-Bromofluorobenzene

Concen: 21.400 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

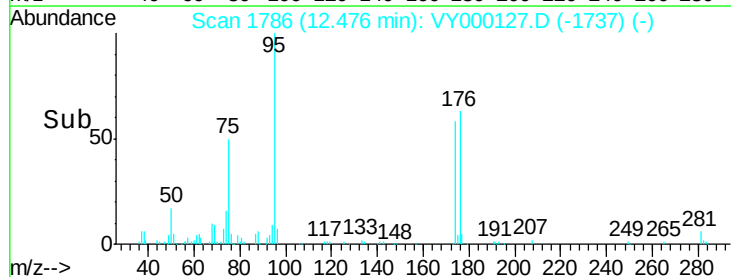
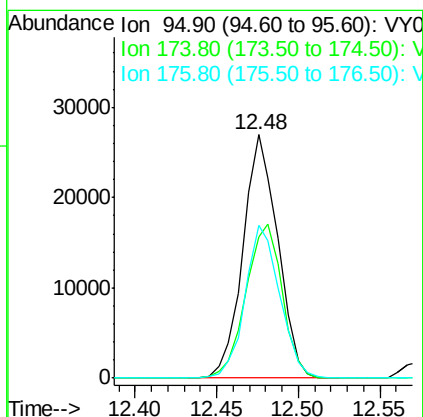
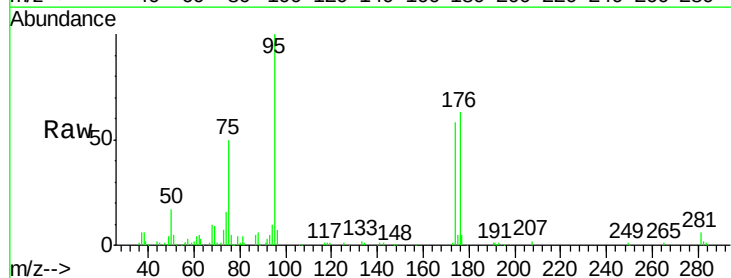
Tgt Ion: 95 Resp: 40088

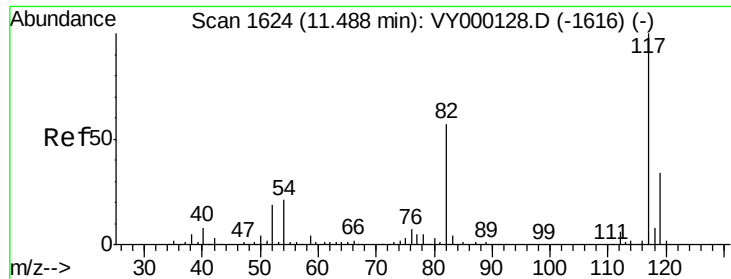
Ion Ratio Lower Upper

95 100

174 65.8 0.0 140.8

176 62.6 0.0 135.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

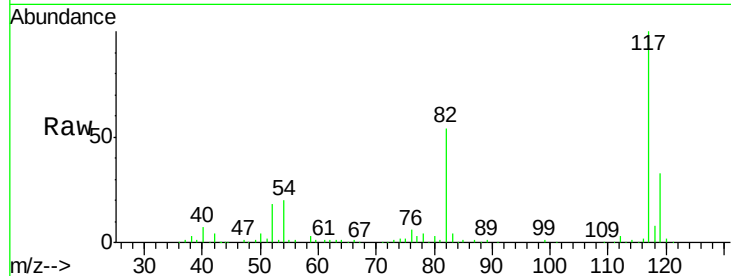
ClientSampleId :

VSTDIC020

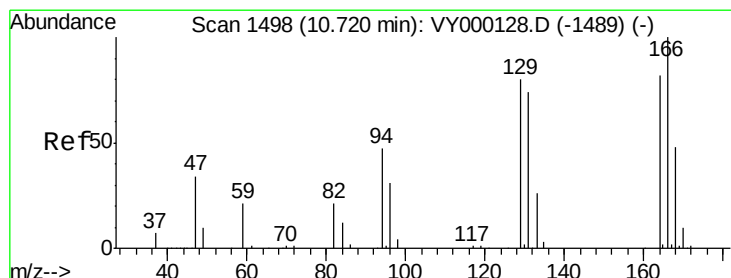
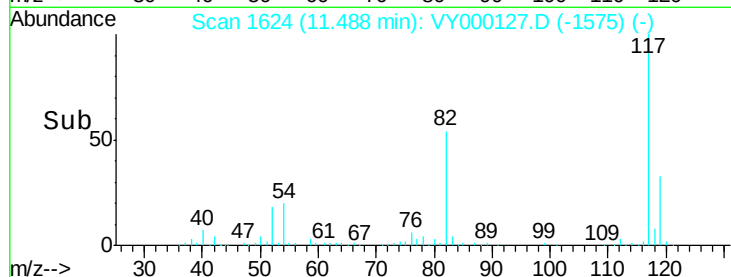
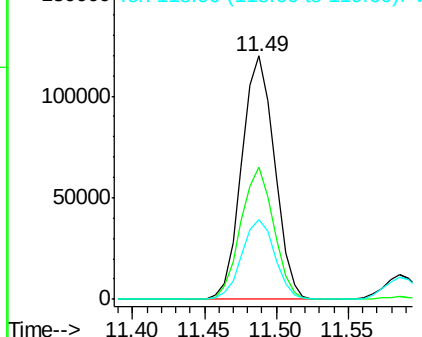
Tot Ion:	117	Resp:	189310
Ion Ratio	Lower	Upper	
117	100		
82	54.4	45.5	68.3
119	33.0	27.3	40.9

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.274 ug/l

RT: 10.71 min Scan# 1497

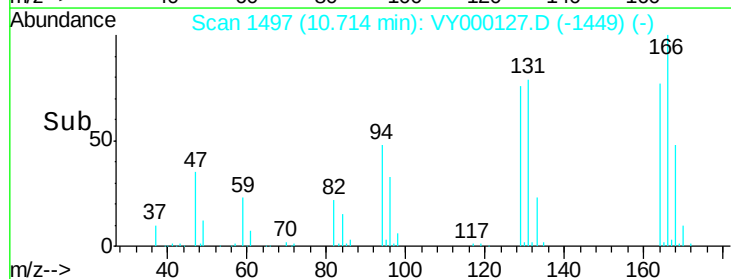
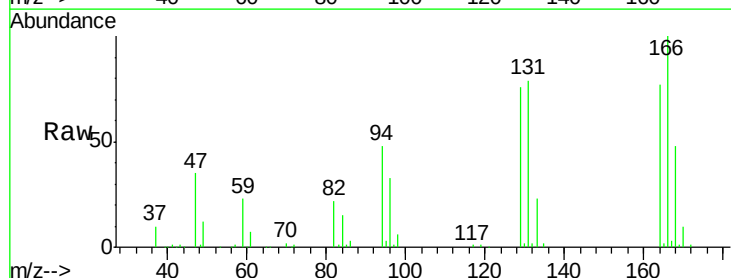
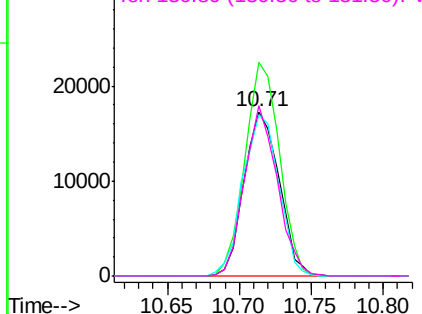
Delta R.T. -0.01 min

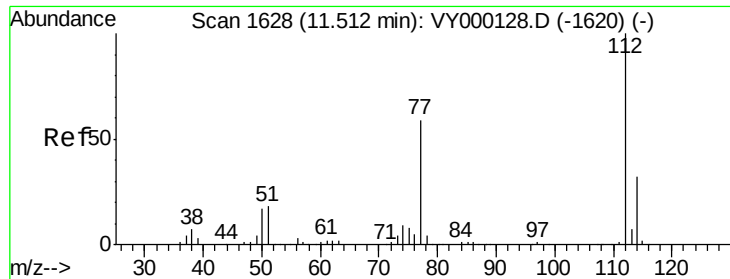
Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	164	Resp:	29215
Ion Ratio	Lower	Upper	
164	100		
166	130.0	97.0	145.6
129	98.2	77.6	116.4
131	103.3	72.1	108.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





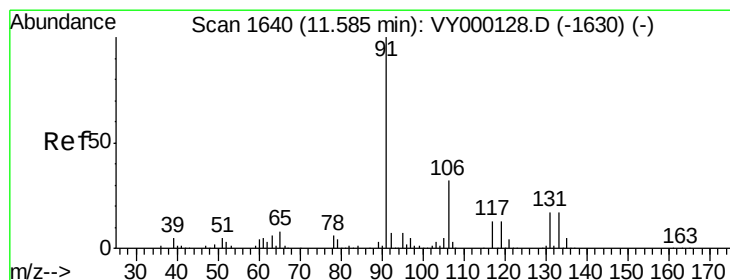
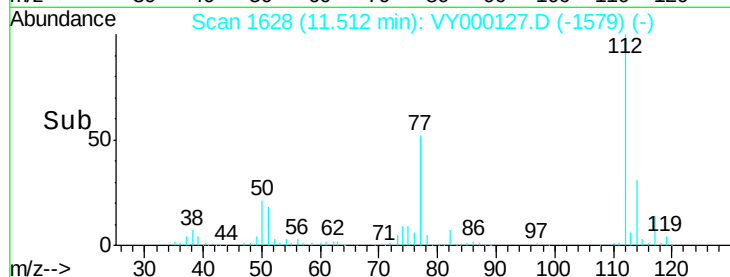
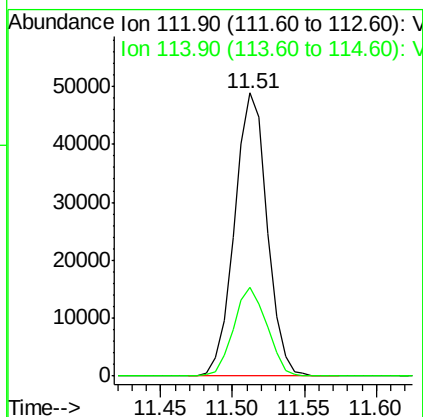
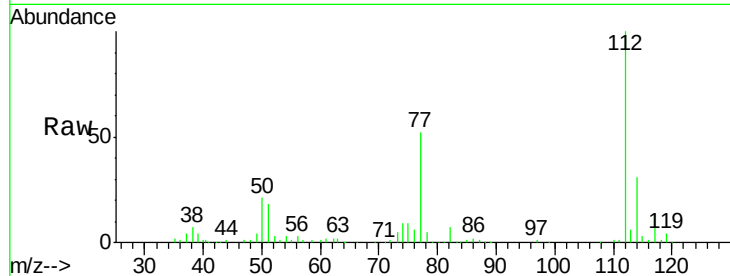
#65
Chlorobenzene
Concen: 20.060 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 77091
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

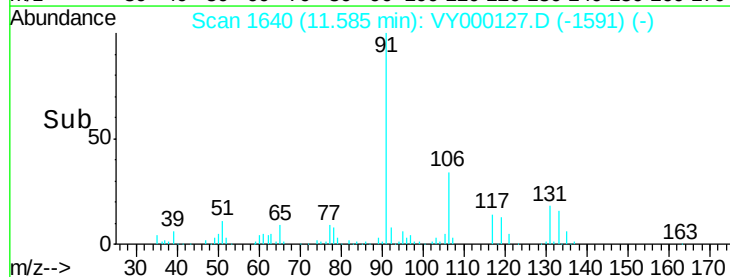
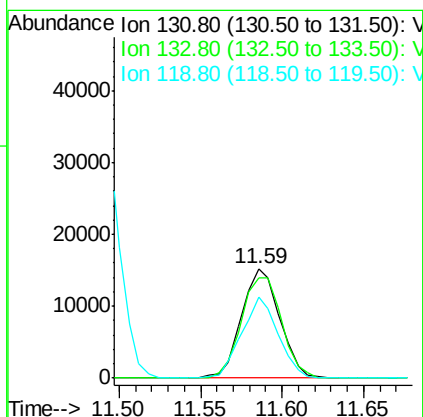
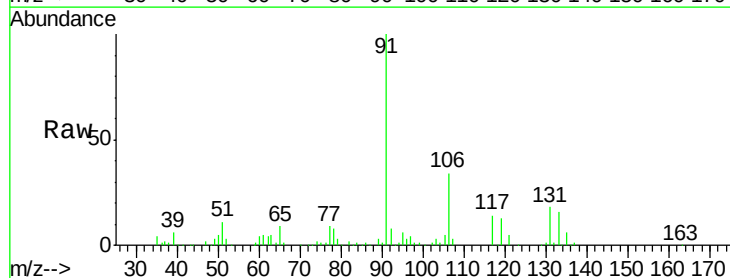
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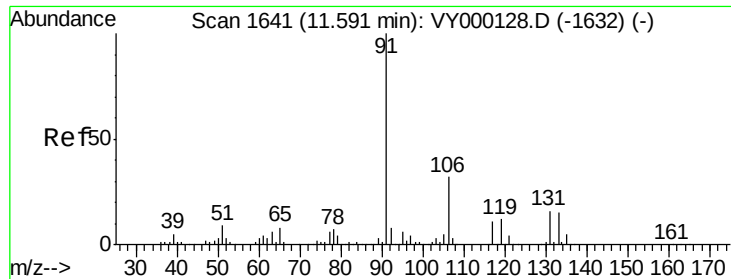
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.102 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion:131 Resp: 24823
Ion Ratio Lower Upper
131 100
133 97.9 47.5 142.5
119 71.0 35.4 106.2





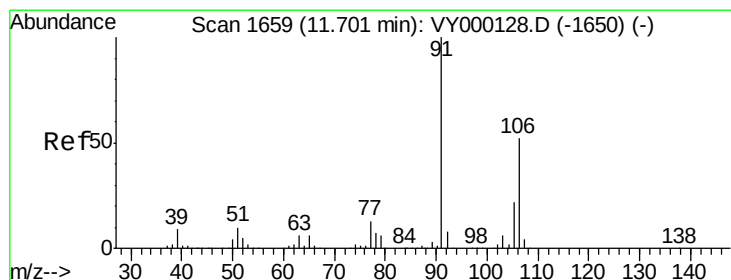
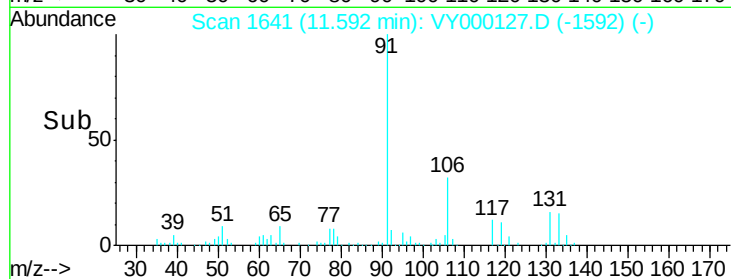
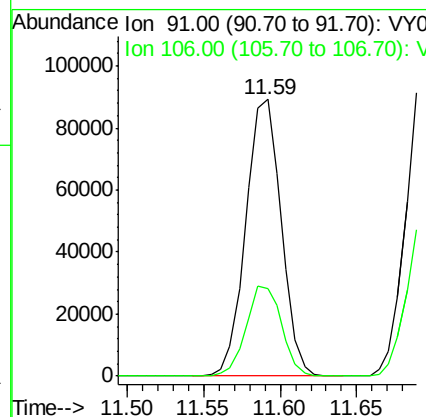
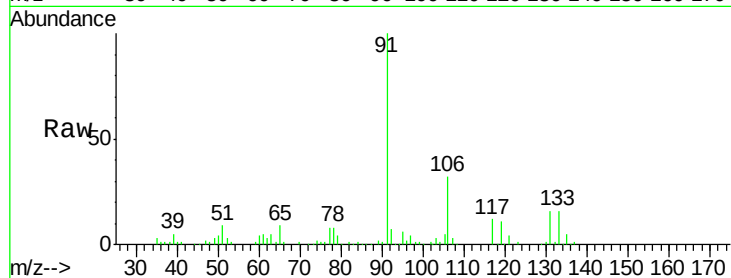
#67
Ethyl Benzene
Concen: 20.586 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 143804
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

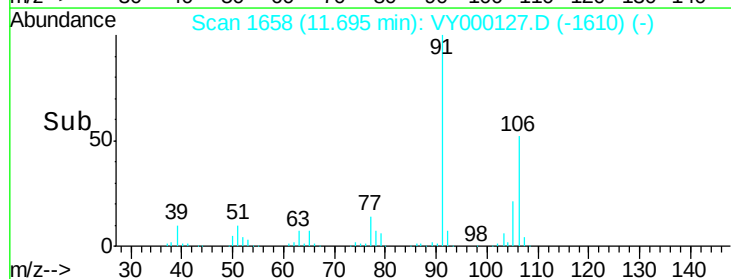
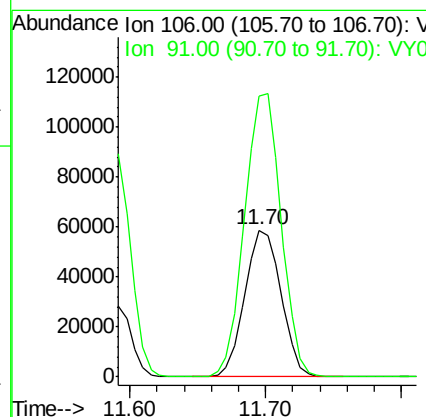
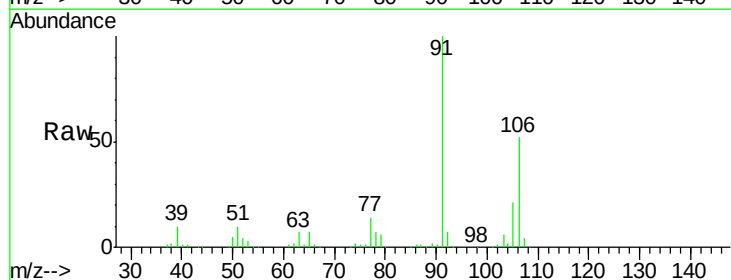
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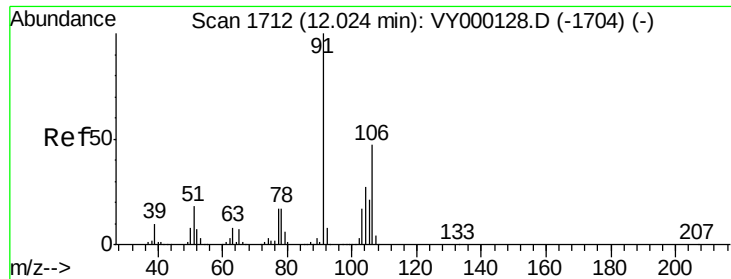
MMDadoda
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#68
m/p-Xylenes
Concen: 40.659 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion: 106 Resp: 109527
Ion Ratio Lower Upper
106 100
91 195.1 154.6 232.0





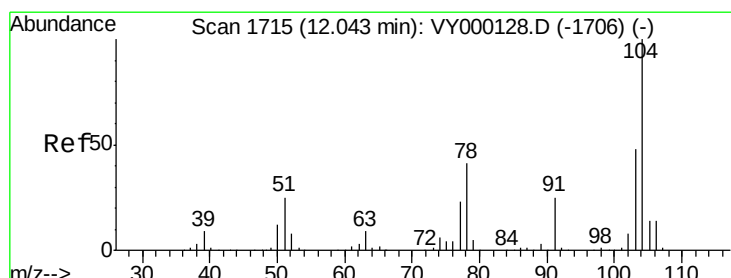
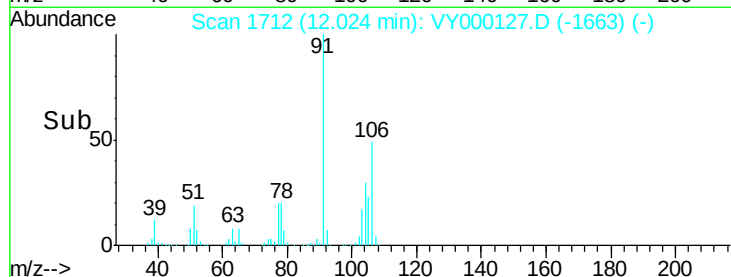
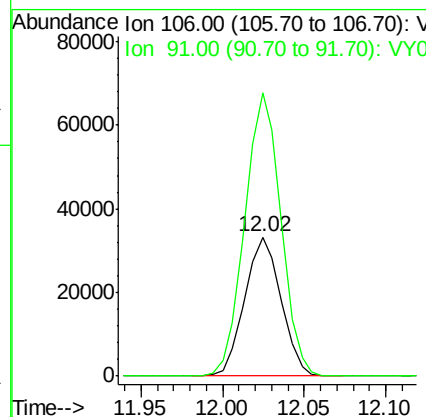
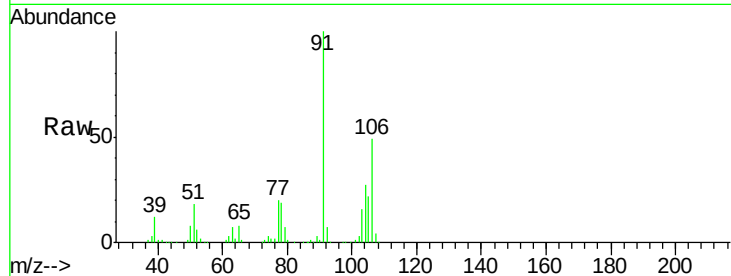
#69
o-Xylene
Concen: 20.087 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		51727		
91	202.5	102.1	306.1		

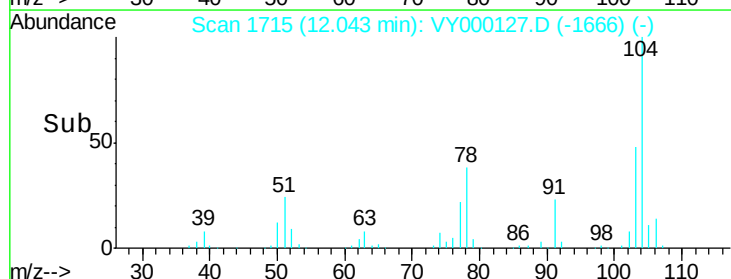
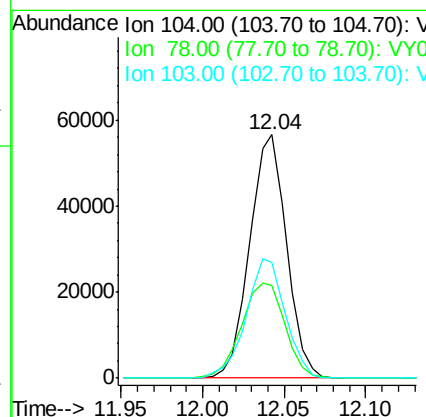
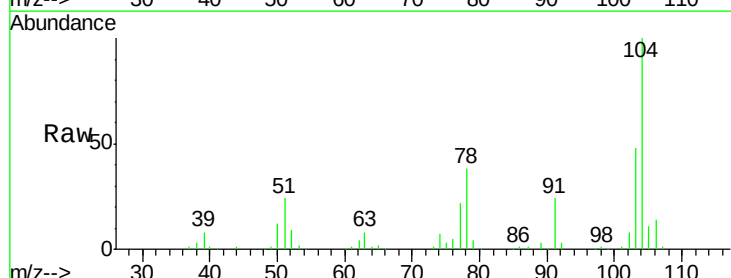
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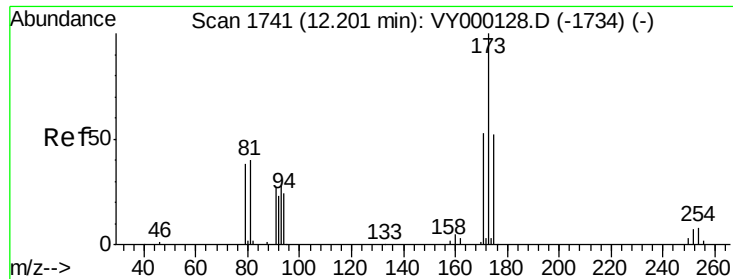
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#70
Styrene
Concen: 20.421 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		88852		
78	46.0	37.3	55.9		
103	52.3	42.2	63.2		





#71

Bromoform

Concen: 19.869 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 13853

Ion Ratio Lower Upper

173 100

175 49.3 23.9 71.8

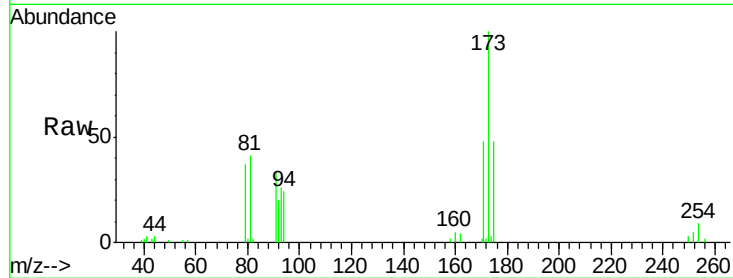
254 0.0 0.0 0.0

Manual Integrations

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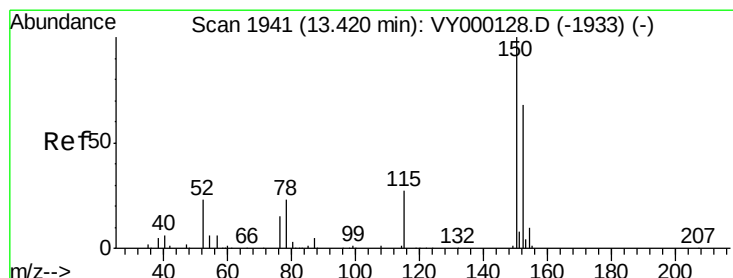
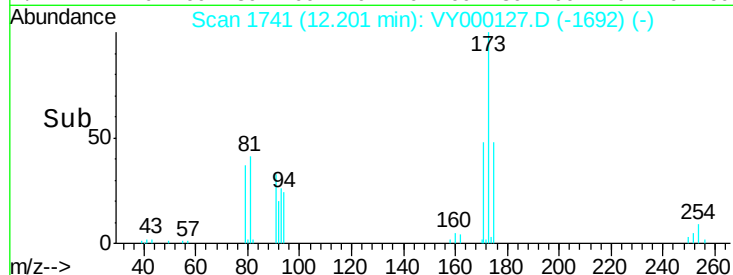
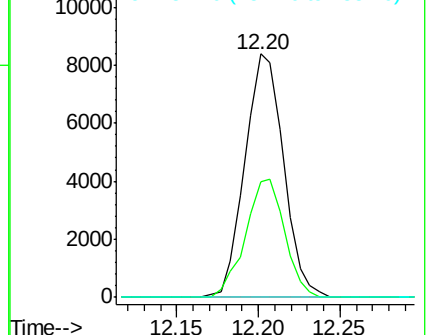
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

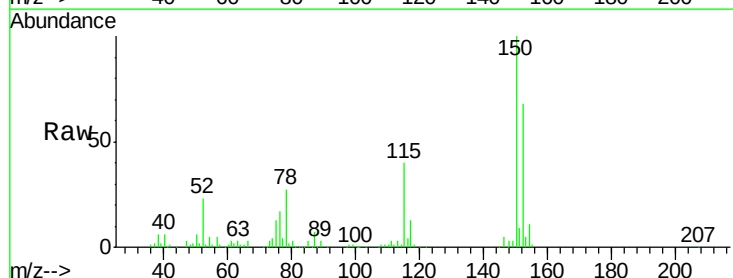
Tgt Ion:152 Resp: 83768

Ion Ratio Lower Upper

152 100

115 59.4 30.8 92.3

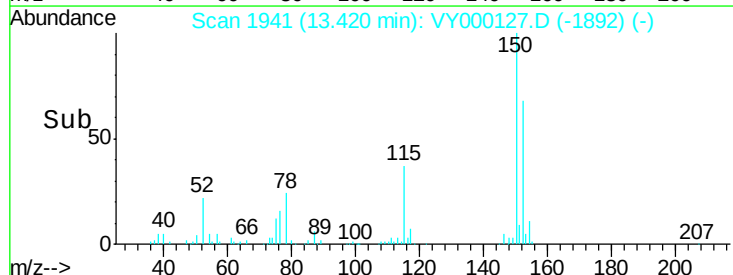
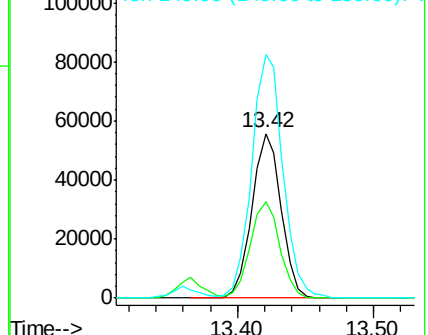
150 158.7 0.0 354.6

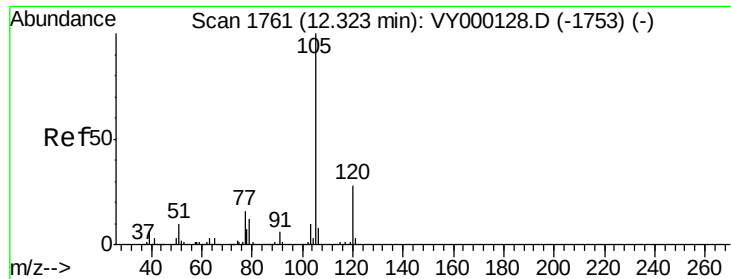


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.837 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 132305

Ion Ratio Lower Upper

105 100

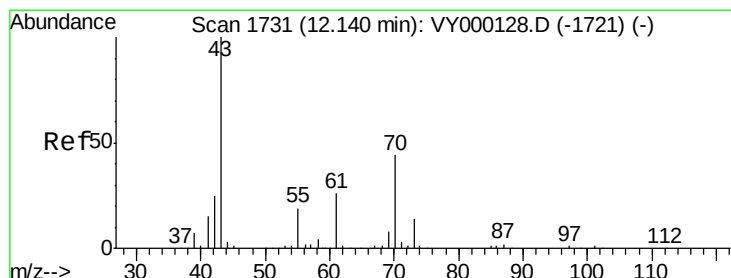
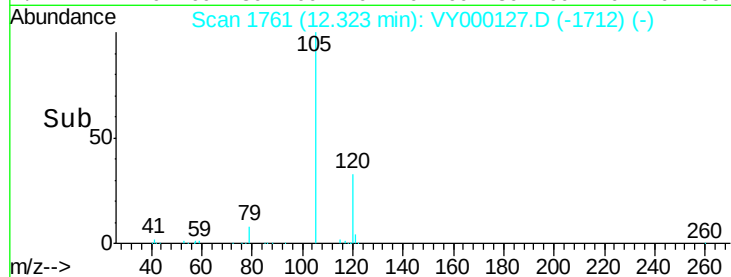
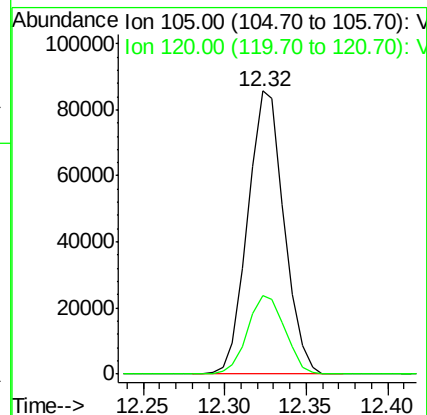
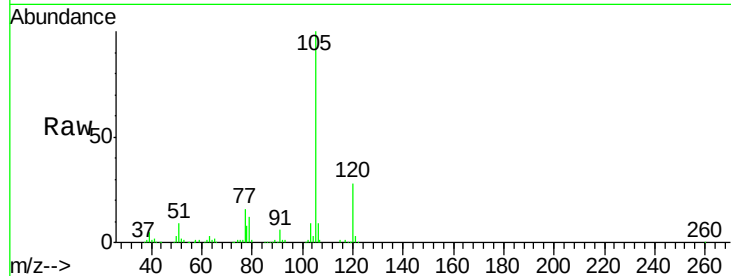
120 28.6 13.8 41.3

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#74

N-ethyl acetate

Concen: 19.344 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion: 43 Resp: 35958

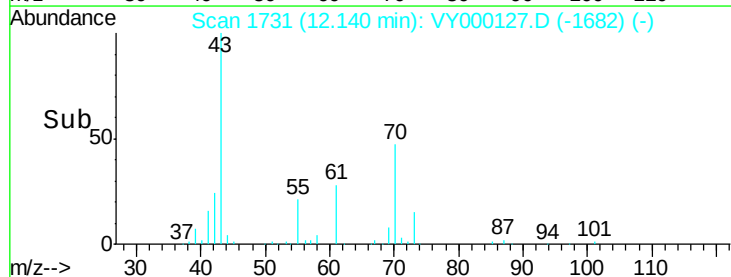
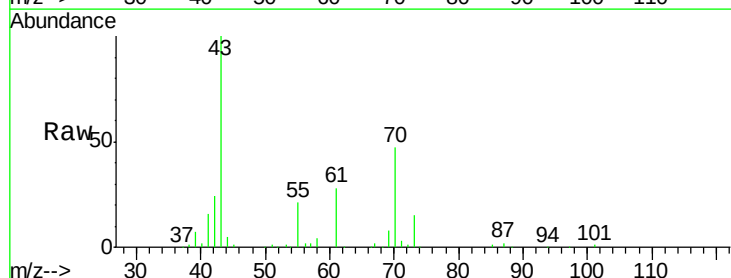
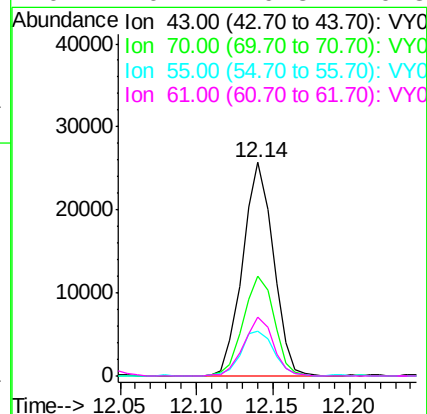
Ion Ratio Lower Upper

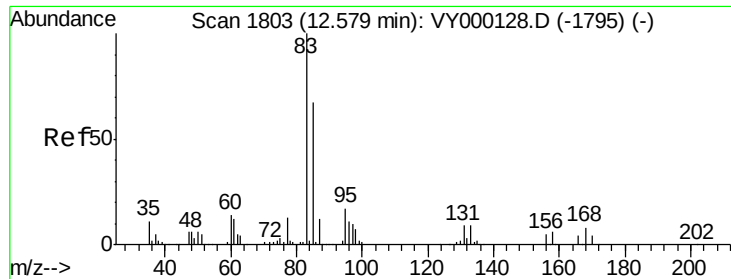
43 100

70 47.5 35.7 53.5

55 22.6 17.2 25.8

61 26.4 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.387 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

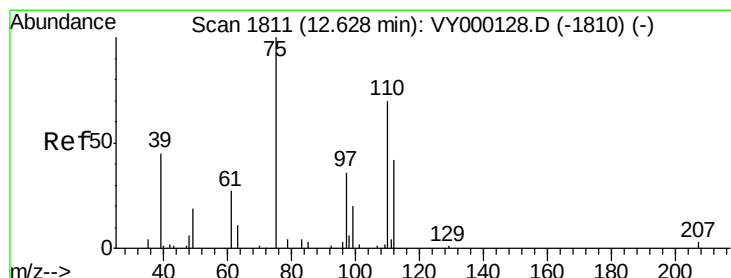
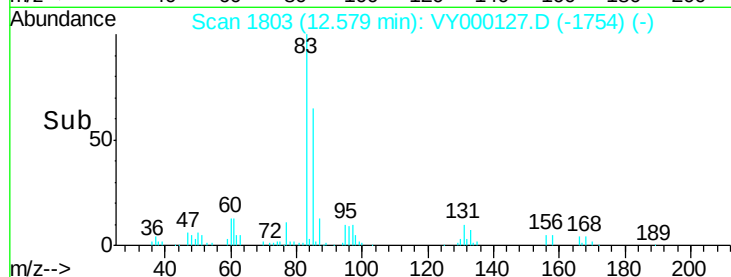
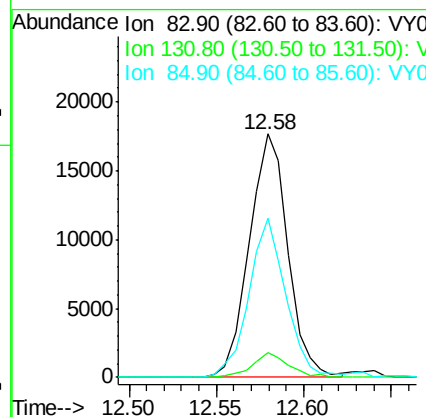
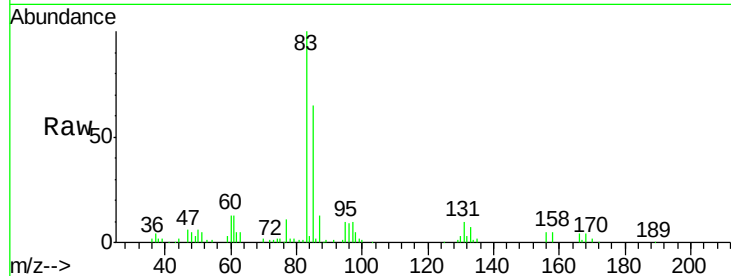
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	27149
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	62.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 9.319 ug/l m

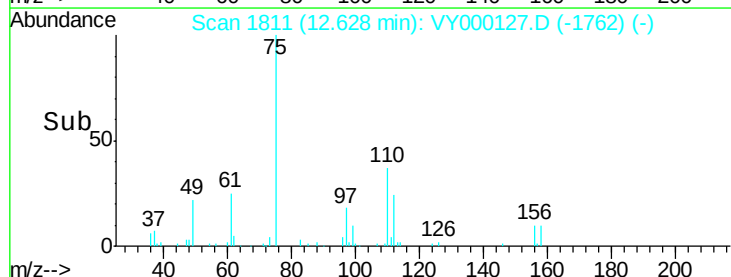
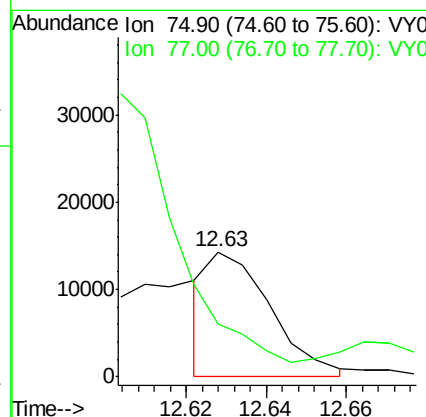
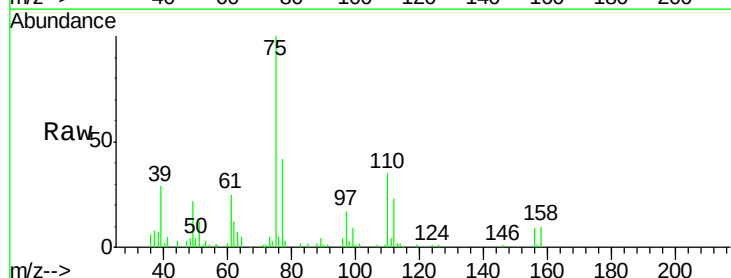
RT: 12.63 min Scan# 1811

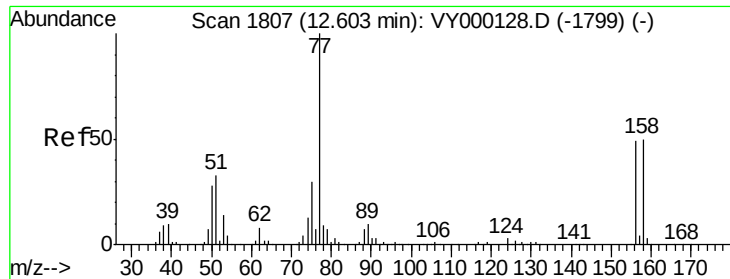
Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	75	Resp:	15635
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.513 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 28609

Ion Ratio Lower Upper

156 100

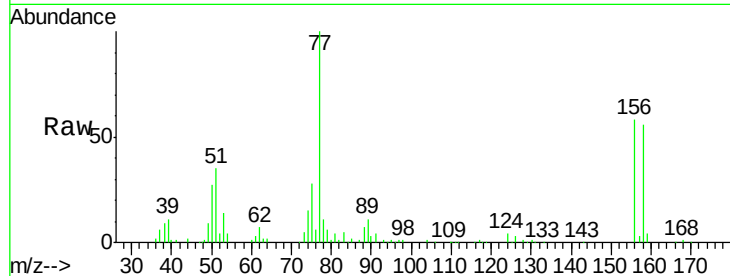
77 209.7 105.0 314.9

158 97.4 48.4 145.2

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MMDadoda

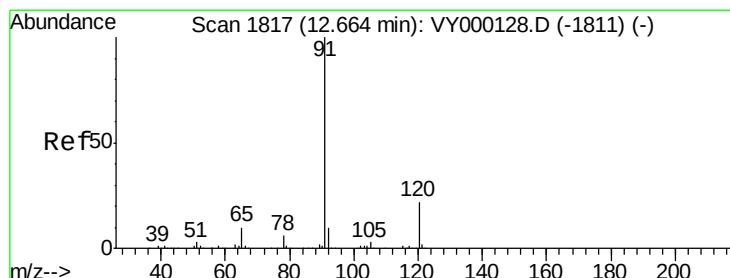
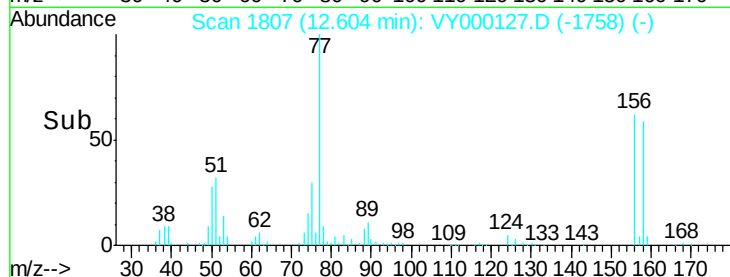
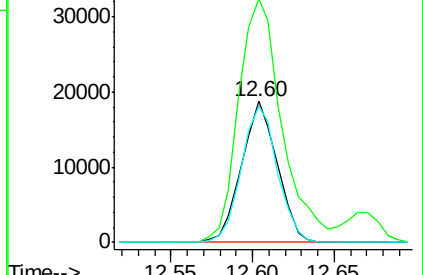
9/25/2019 12:39:20 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.159 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000127.D

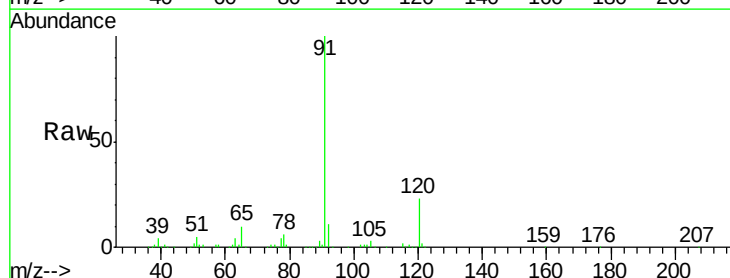
Acq: 23 Sep 2019 11:46

Tgt Ion: 91 Resp: 166288

Ion Ratio Lower Upper

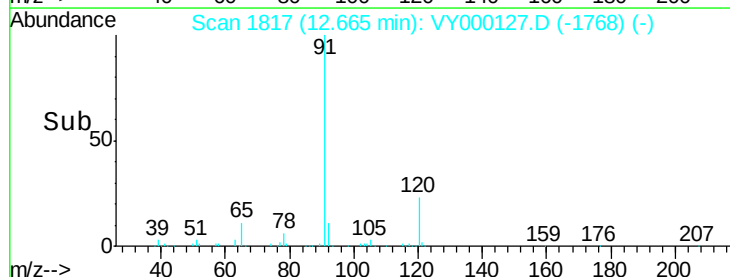
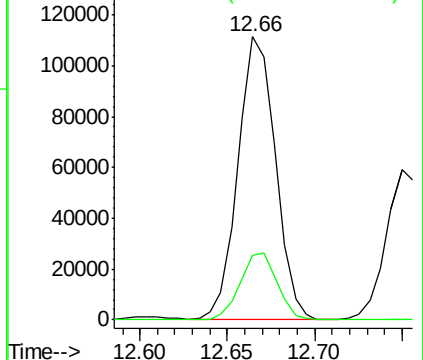
91 100

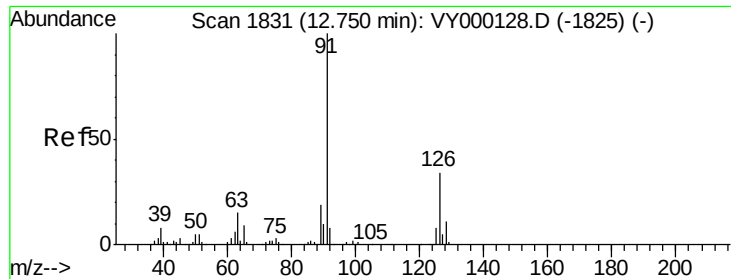
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.828 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 89786

Ion Ratio Lower Upper

91 100

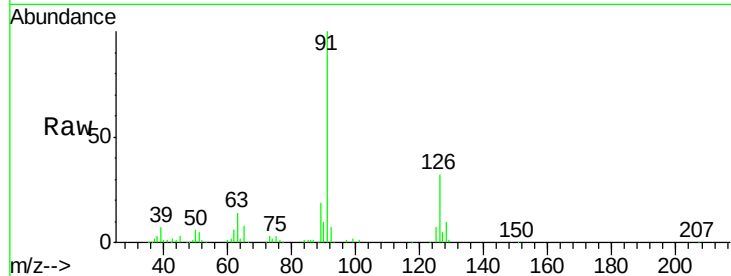
126 34.2 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000128.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000128.D (-1825) (-)

80000

60000

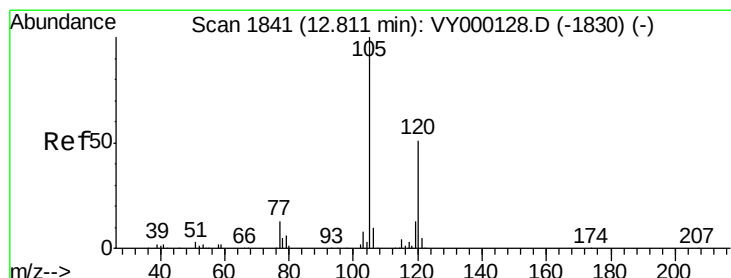
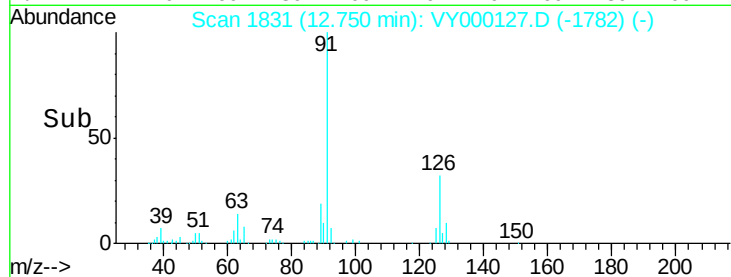
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.871 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VY000127.D

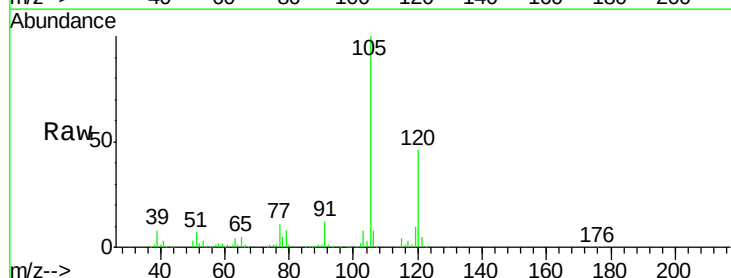
Acq: 23 Sep 2019 11:46

Tgt Ion: 105 Resp: 110913

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY000128.D (-1830) (-)

Ion 120.00 (119.70 to 120.70): VY000128.D (-1830) (-)

80000

60000

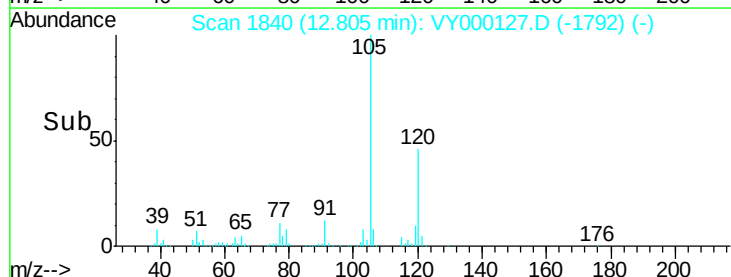
40000

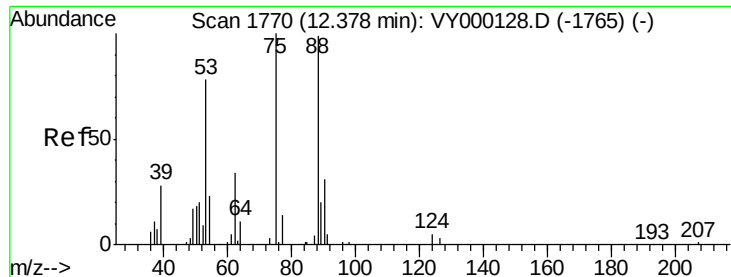
20000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.994 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

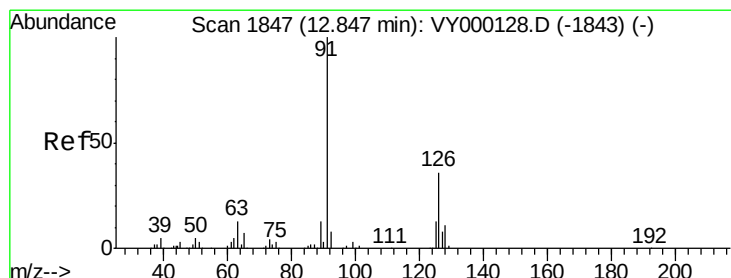
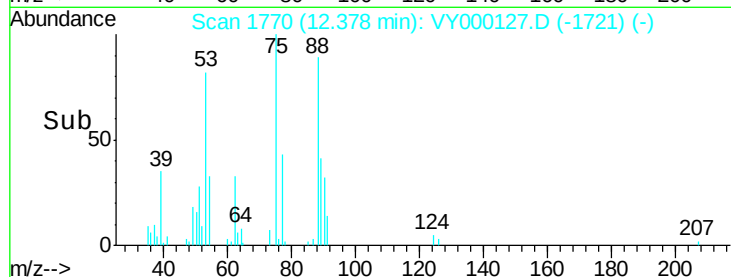
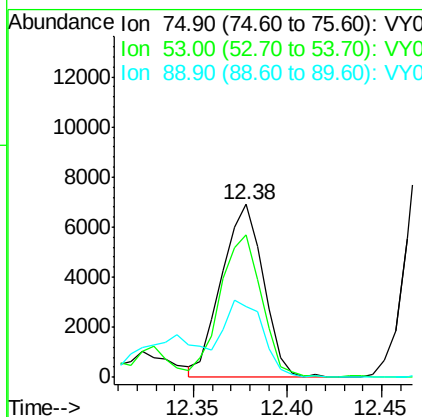
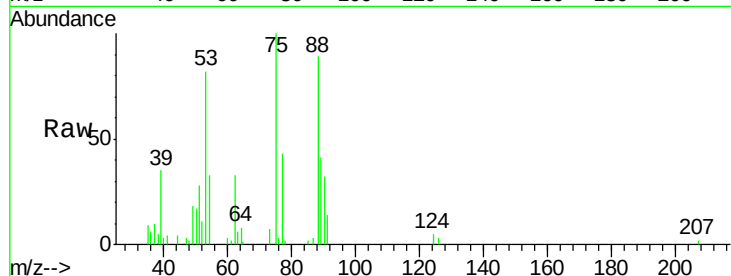
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	10678
Ion Ratio	Lower	Upper	
75	100		
53	81.7	62.5	93.7
89	41.3	31.4	47.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.649 ug/l

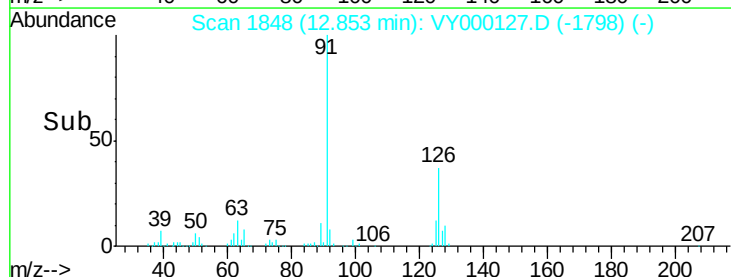
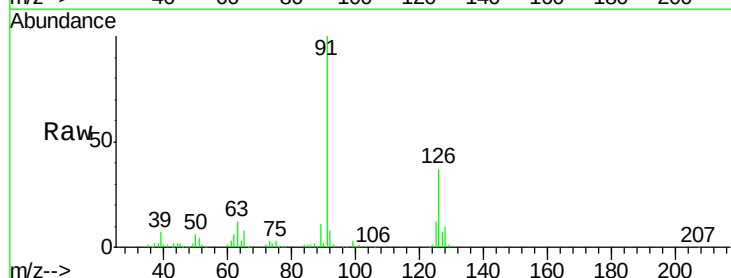
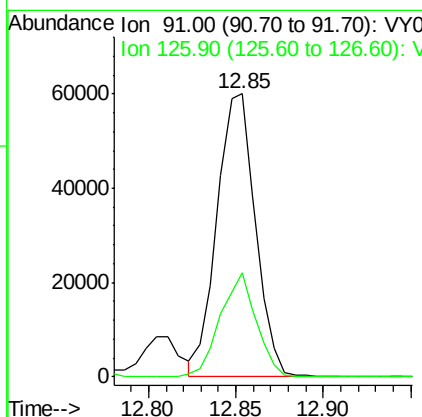
RT: 12.85 min Scan# 1848

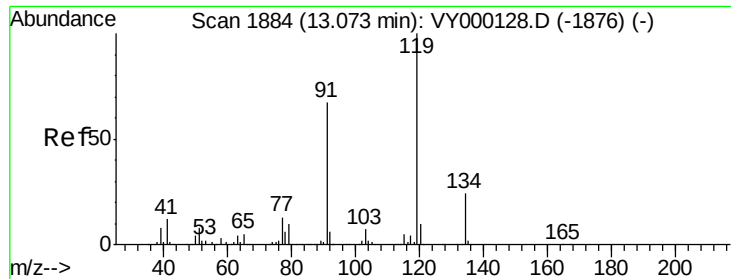
Delta R.T. 0.01 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Tgt Ion:	91	Resp:	91769
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.3	51.9





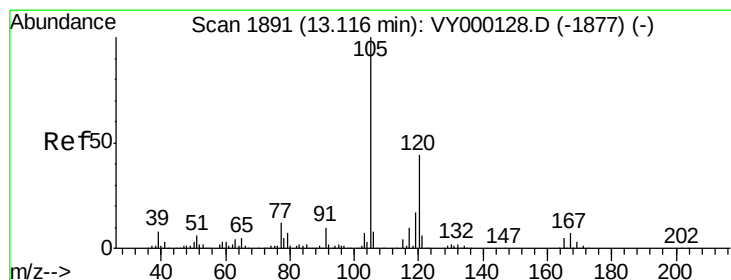
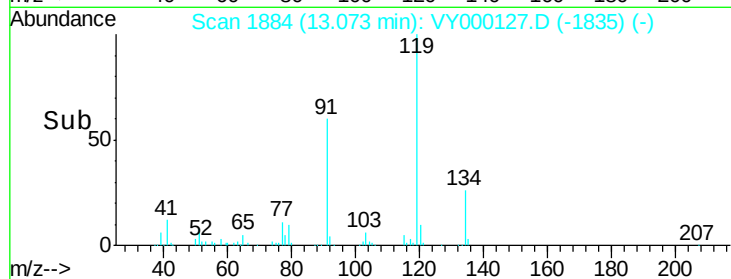
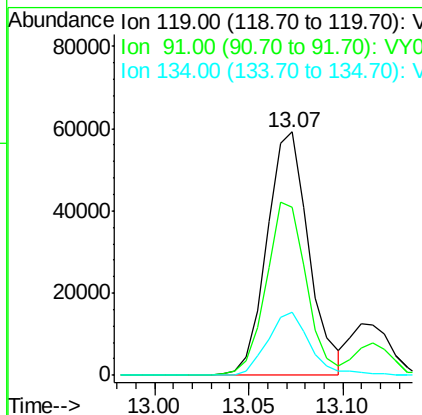
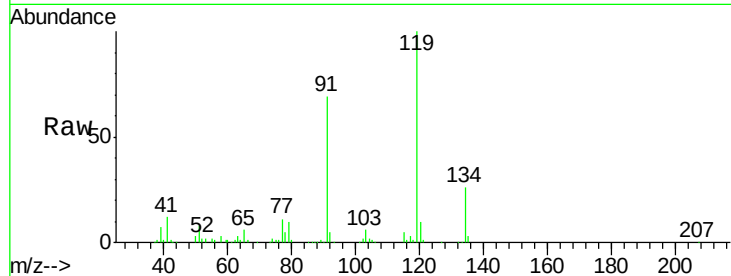
#83
 tert-Butylbenzene
 Concen: 19.903 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.6	100.8
134	26.7	12.6	37.6

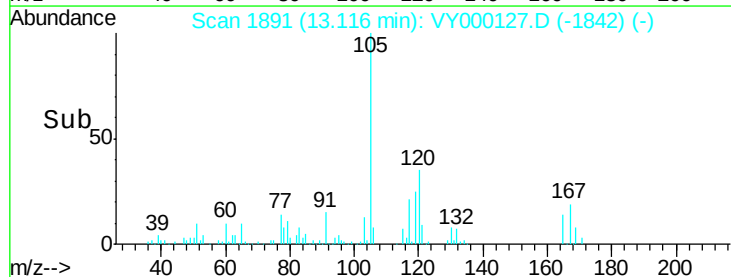
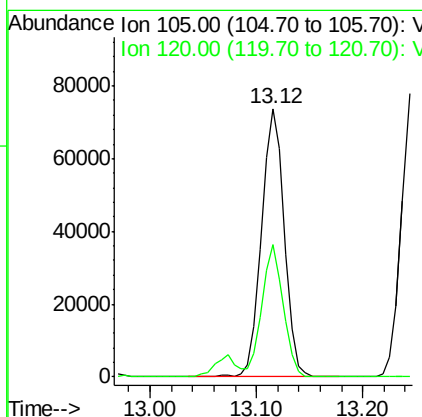
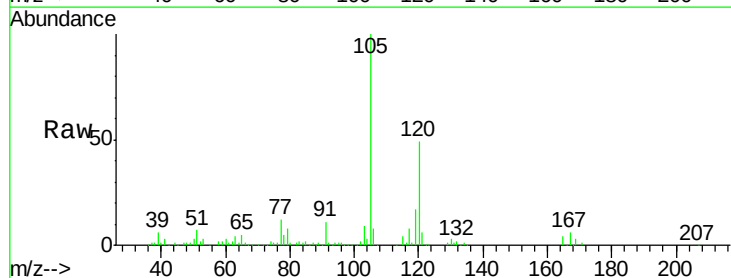
Manual Integrations
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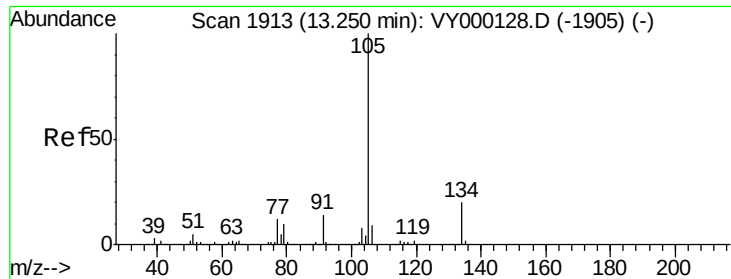
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.865 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.196 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 138035

Ion Ratio Lower Upper

105 100

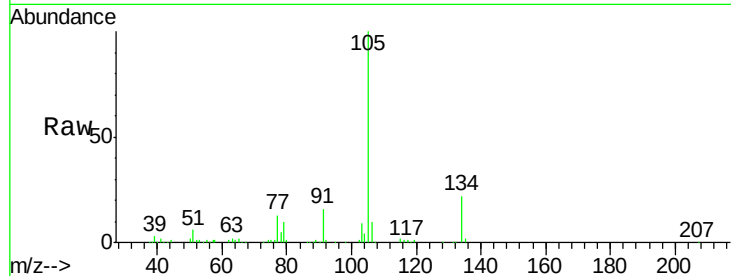
134 20.1 10.2 30.4

Manual Integrations

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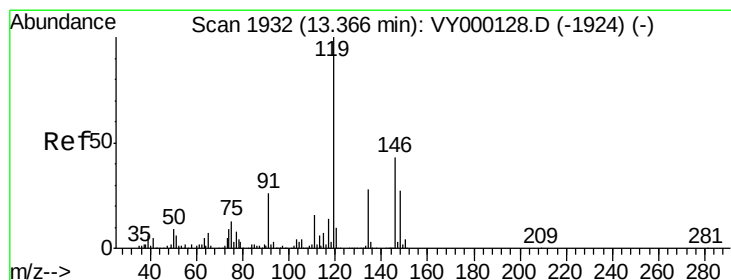
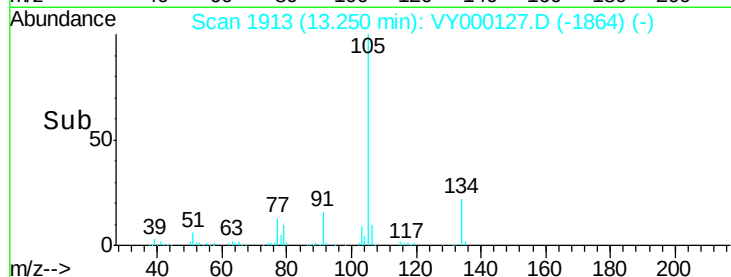
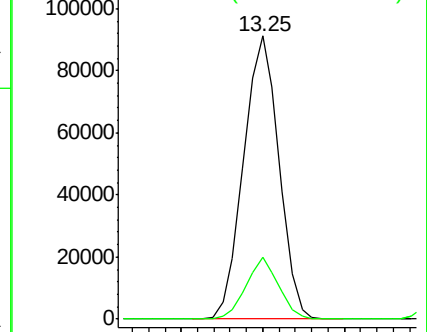
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.261 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

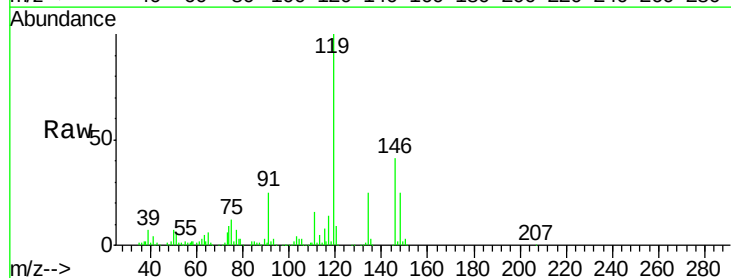
Tgt Ion:119 Resp: 118072

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

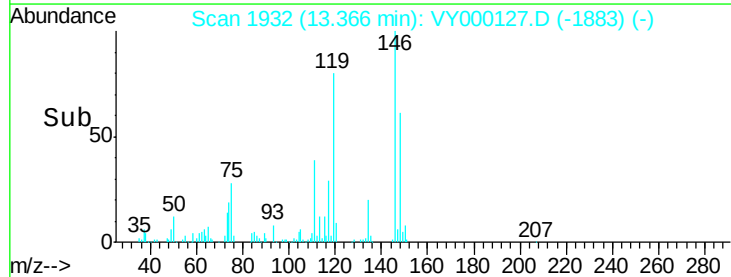
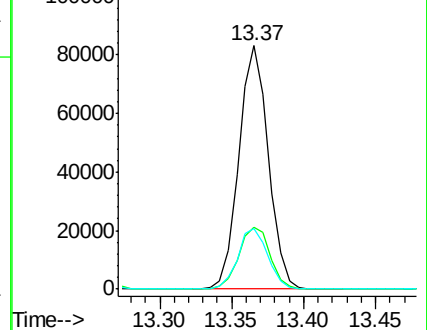
91 25.3 12.8 38.3

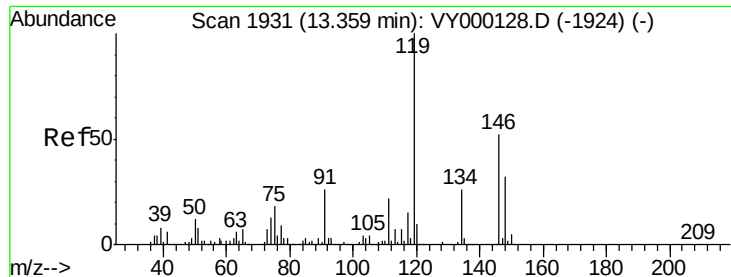


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.115 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:146 Resp: 54892

Ion Ratio Lower Upper

146 100

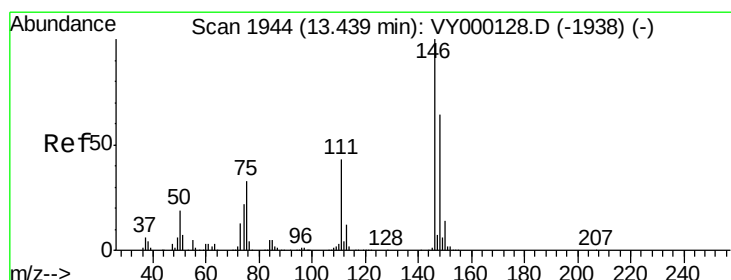
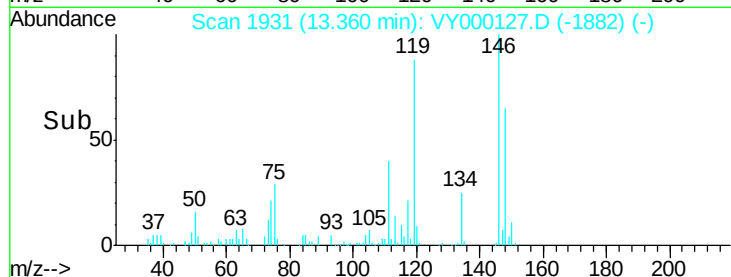
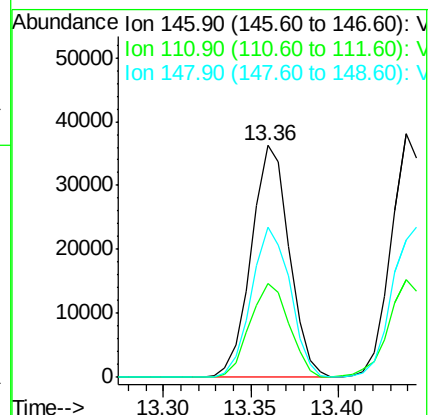
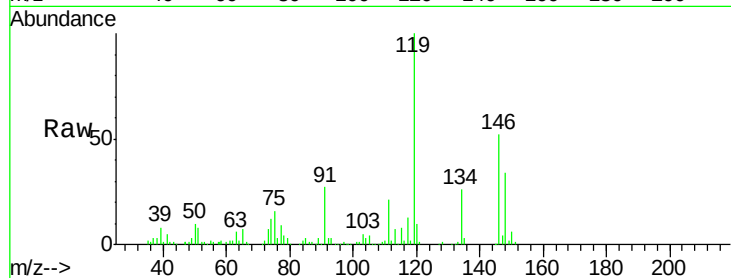
111 41.9 20.4 61.2

148 66.0 31.9 95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.468 ug/l

RT: 13.44 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VY000127.D

Acq: 23 Sep 2019 11:46

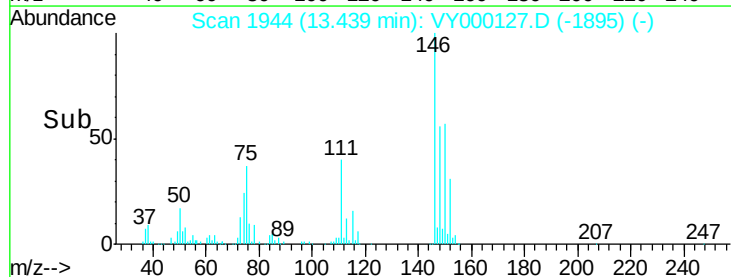
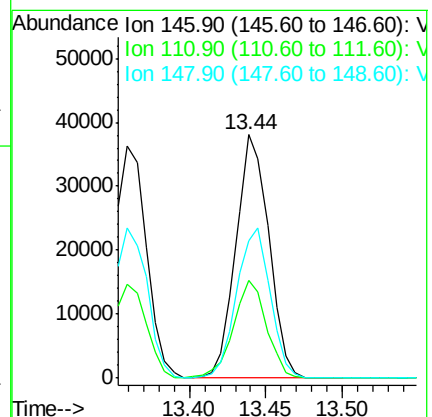
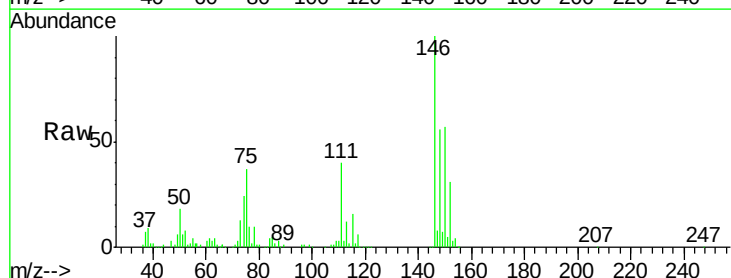
Tgt Ion:146 Resp: 57013

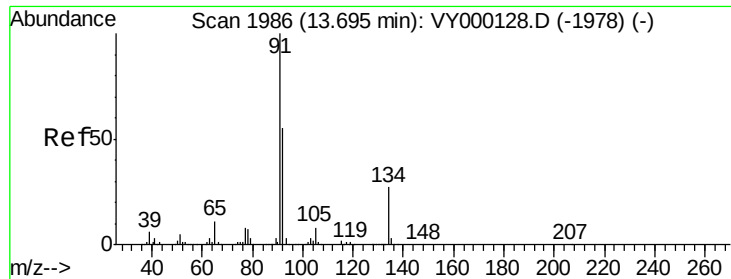
Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.8

148 62.7 31.6 95.0





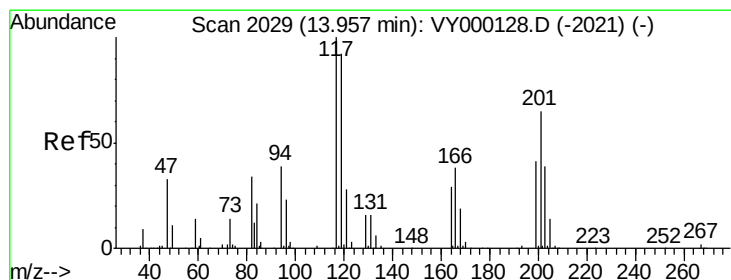
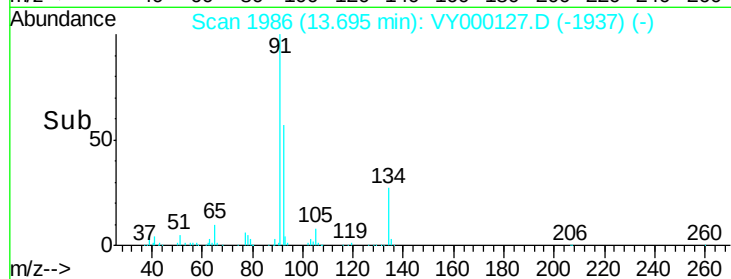
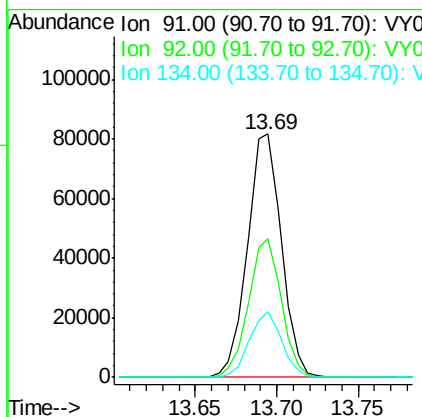
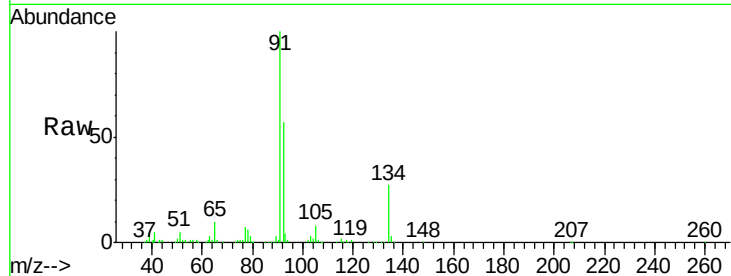
#89
n-Butylbenzene
Concen: 19.864 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.2	81.5
134	25.7	12.9	38.7

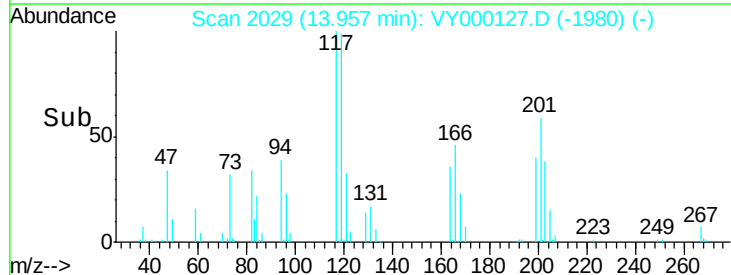
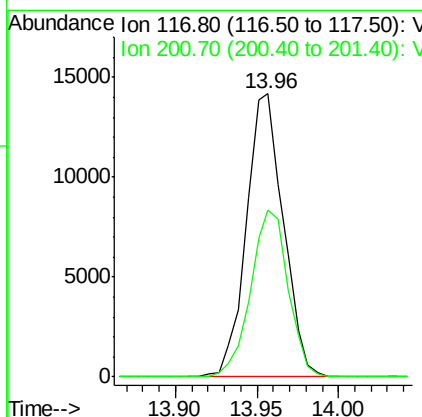
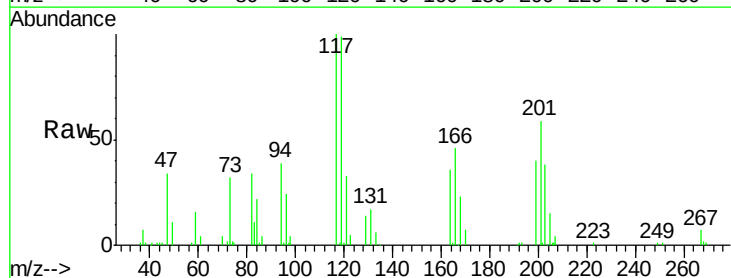
Manual Integrations
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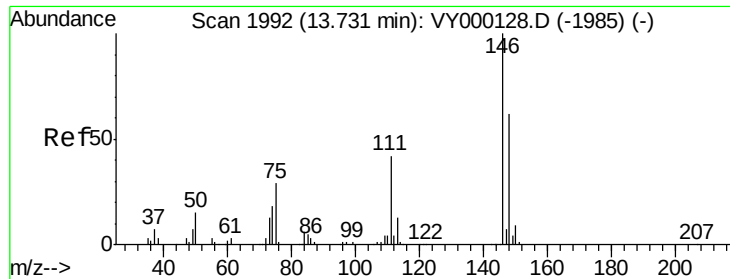
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#90
Hexachloroethane
Concen: 19.421 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.5	30.1	90.5





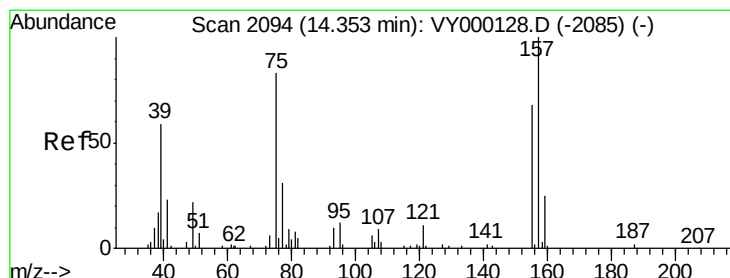
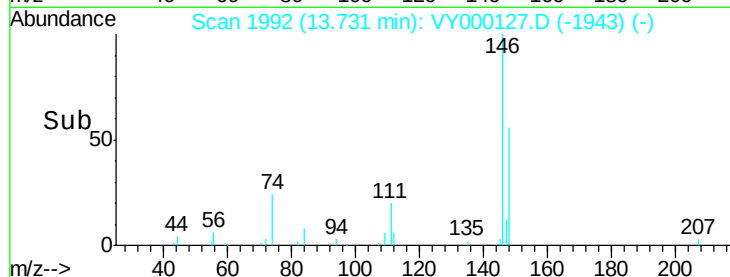
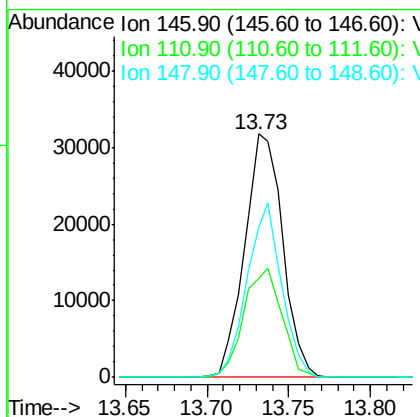
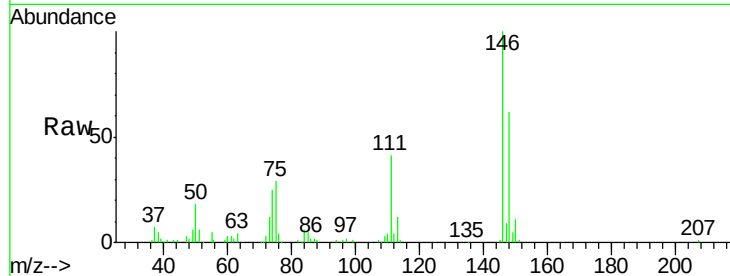
#91
 1,2-Dichlorobenzene
 Concen: 19.999 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.7	65.1
148	65.3	31.5	94.5

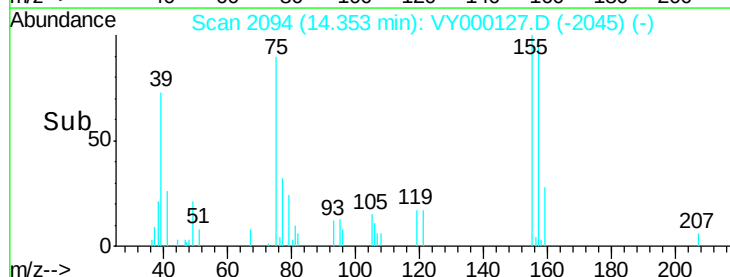
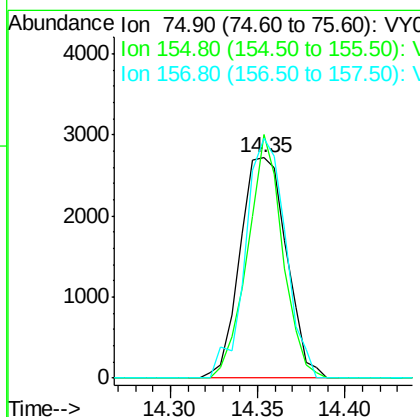
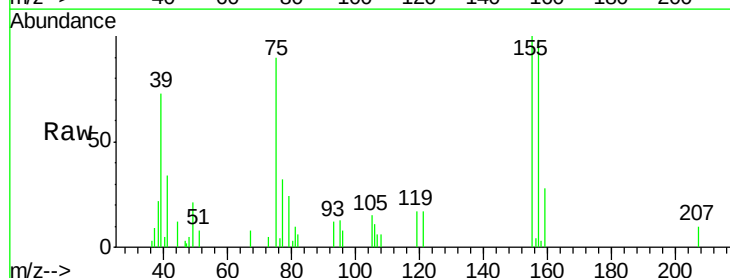
Manual Integrations
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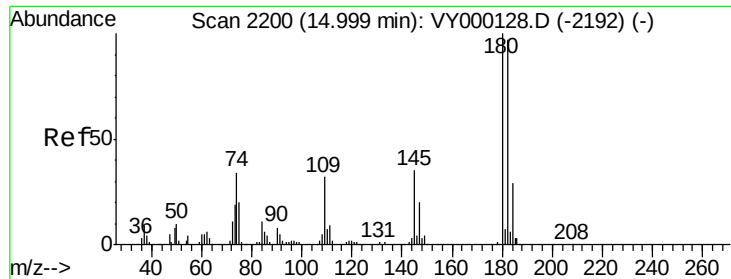
MMDadoda
 9/25/2019 12:39:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.489 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	44.7	134.1
157	94.4	55.9	167.7





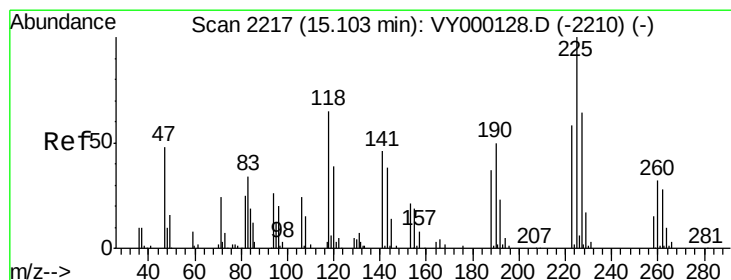
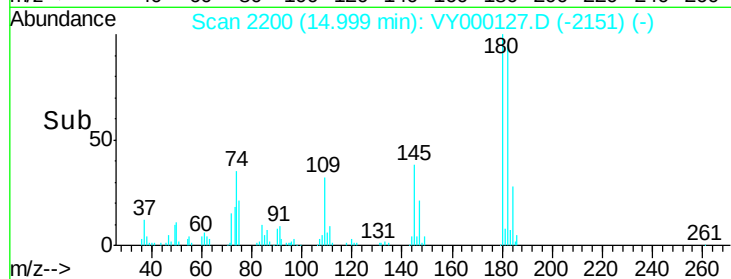
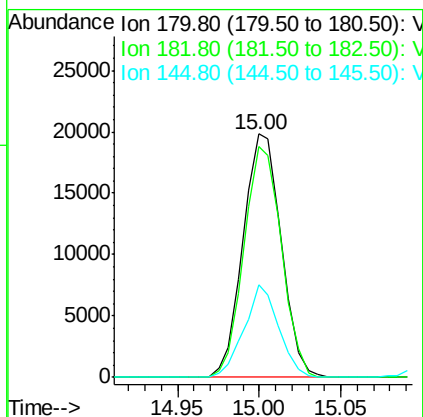
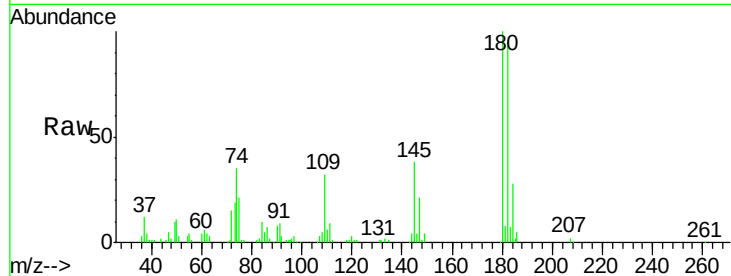
#93
 1,2,4-Trichlorobenzene
 Concen: 19.521 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32312		
182	92.9	46.1	138.2	
145	34.2	16.8	50.3	

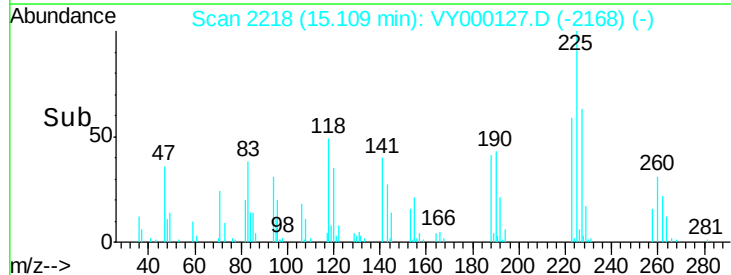
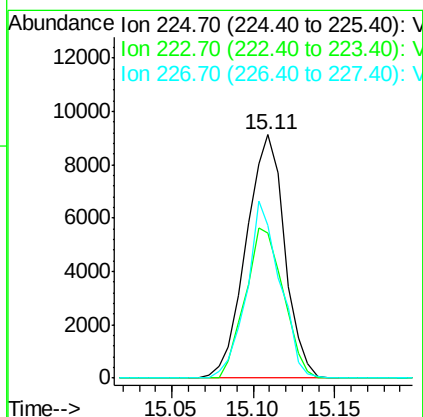
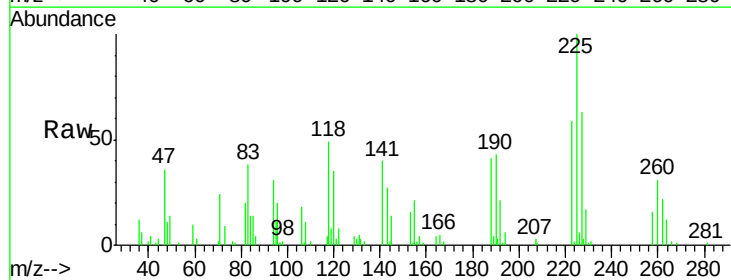
Manual Integrations
 APPROVED

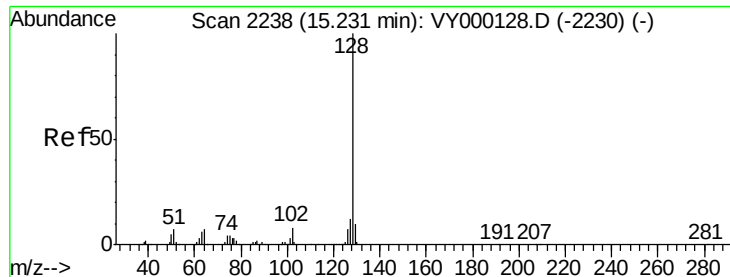
MMDadoda
 9/25/2019 12:39:20 AM



#94
 Hexachlorobutadiene
 Concen: 20.393 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000127.D
 Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15003		
223	61.1	31.9	95.5	
227	63.3	32.3	96.8	





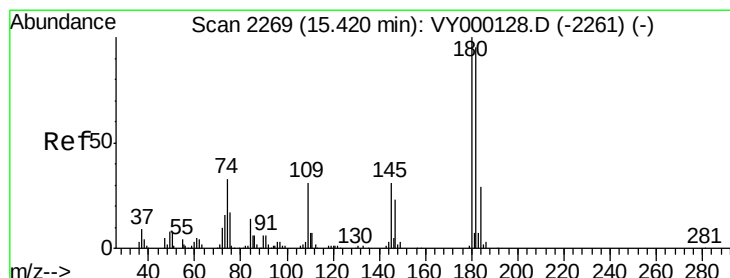
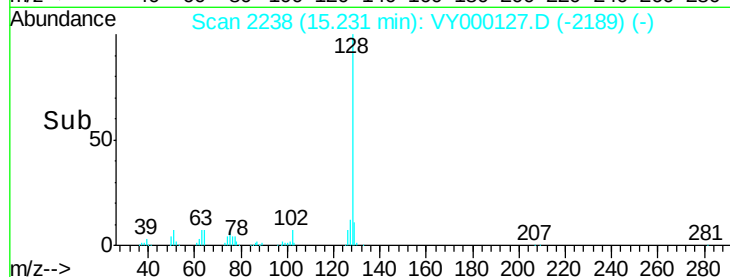
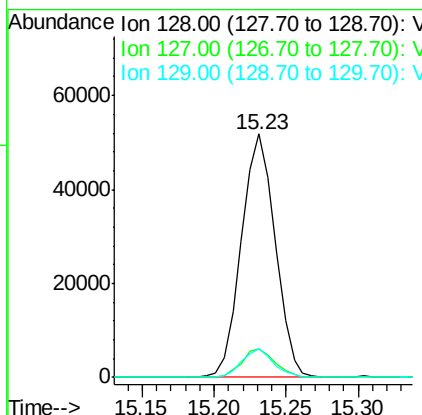
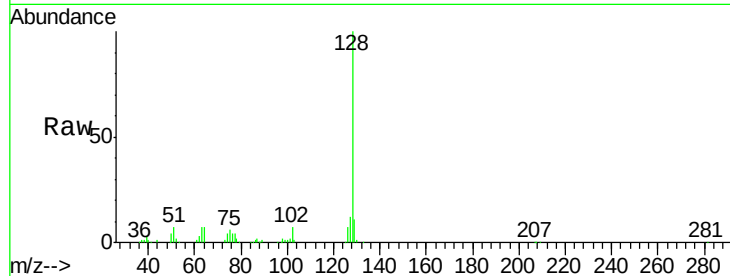
#95
Naphthalene
Concen: 20.143 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.7	14.5
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.977 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VY000127.D
Acq: 23 Sep 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.3
145	35.5	17.5	52.6

