

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000466.D
 Acq On : 29 Oct 2019 12:00
 Operator : SY/MD
 Sample : VY1029SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:59:52 AM

Quant Time: Oct 30 06:55:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	193389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	318540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	289318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	111484	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
35) Dibromofluoromethane	7.74	113	102075	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.18	98	395219	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.48	95	141423	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37665	22.237	ug/l	94
3) Chloromethane	2.12	50	56976	24.110	ug/l	98
4) Vinyl Chloride	2.26	62	51467	21.580	ug/l	99
5) Bromomethane	2.64	94	32580	18.433	ug/l	98
6) Chloroethane	2.79	64	33865	22.007	ug/l	98
7) Trichlorofluoromethane	3.13	101	72239	22.143	ug/l	95
8) Diethyl Ether	3.54	74	27891	24.201	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43672	22.074	ug/l	99
10) Methyl Iodide	4.10	142	49401	18.300	ug/l	97
11) Tert butyl alcohol	4.96	59	22064	103.353	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	44293	22.677	ug/l	98
13) Acrolein	3.74	56	18371	73.400	ug/l	99
14) Allyl chloride	4.49	41	73337	22.658	ug/l	97
15) Acrylonitrile	5.18	53	70726	109.641	ug/l	95
16) Acetone	3.96	43	68909	104.309	ug/l	95
17) Carbon Disulfide	4.20	76	123766	20.126	ug/l	98
18) Methyl Acetate	4.49	43	39290	23.937	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	125763	23.130	ug/l	99
20) Methylene Chloride	4.72	84	55704	21.979	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	49651	22.157	ug/l	88
22) Diisopropyl ether	6.13	45	160356	23.424	ug/l	97
23) Vinyl Acetate	6.07	43	497616	111.420	ug/l	100
24) 1,1-Dichloroethane	6.03	63	85093	22.772	ug/l	98
25) 2-Butanone	7.00	43	105406	113.266	ug/l	93
26) 2,2-Dichloropropane	6.99	77	80023	23.241	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	56462	23.285	ug/l	98
28) Bromochloromethane	7.34	49	33627	20.963	ug/l	99
29) Tetrahydrofuran	7.36	42	62766	111.290	ug/l	98
30) Chloroform	7.52	83	88229	23.446	ug/l	97
31) Cyclohexane	7.80	56	81430	20.864	ug/l	88
32) 1,1,1-Trichloroethane	7.72	97	76832	22.965	ug/l	99
36) 1,1-Dichloropropene	7.92	75	68488	21.960	ug/l	99
37) Ethyl Acetate	7.09	43	41228	22.326	ug/l	100
38) Carbon Tetrachloride	7.91	117	66417	21.995	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85918	21.049	ug/l	87
40) Benzene	8.17	78	205053	22.752	ug/l	98
41) Methacrylonitrile	7.33	41	20306m	23.101	ug/l	
42) 1,2-Dichloroethane	8.25	62	57699	22.412	ug/l	100
43) Isopropyl Acetate	8.28	43	78221	22.277	ug/l	99
44) Trichloroethene	8.95	130	54273	21.462	ug/l	99
45) 1,2-Dichloropropane	9.22	63	50250	22.719	ug/l	99
46) Dibromomethane	9.31	93	27394	22.156	ug/l	98
47) Bromodichloromethane	9.50	83	66196	22.718	ug/l	98
48) Methyl methacrylate	9.30	41	34722	22.564	ug/l	98
49) 1,4-Dioxane	9.31	88	6859	369.988	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	212579	117.381	ug/l	100
52) Toluene	10.25	92	128576	22.470	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	71299	22.832	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	81503	22.982	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	41205	22.921	ug/l	92
56) Ethyl methacrylate	10.51	69	57678	22.510	ug/l	97
57) 1,3-Dichloropropane	10.80	76	72710	23.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	134503	131.602	ug/l	98
59) 2-Hexanone	10.83	43	158724	124.864	ug/l	97
60) Dibromochloromethane	10.99	129	46643	23.409	ug/l	99
61) 1,2-Dibromoethane	11.09	107	39963	23.152	ug/l	100
64) Tetrachloroethene	10.72	164	57264	20.790	ug/l	94
65) Chlorobenzene	11.52	112	137520	22.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	50696	23.636	ug/l	98
67) Ethyl Benzene	11.59	91	253148	22.365	ug/l	97
68) m/p-Xylenes	11.70	106	195297	45.134	ug/l	97
69) o-Xylene	12.03	106	90437	21.909	ug/l	98
70) Styrene	12.04	104	156457	22.474	ug/l	97
71) Bromoform	12.21	173	27863	22.598	ug/l #	100
73) Isopropylbenzene	12.33	105	241507	20.679	ug/l	99
74) N-amyl acetate	12.14	43	70061	24.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48352	22.050	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	35809m	19.442	ug/l	
77) Bromobenzene	12.61	156	56745	21.835	ug/l	93
78) n-propylbenzene	12.67	91	295158	21.049	ug/l	100
79) 2-Chlorotoluene	12.75	91	166018	21.438	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	201859	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15612	18.546	ug/l	94
82) 4-Chlorotoluene	12.85	91	170667	20.849	ug/l	98
83) tert-Butylbenzene	13.07	119	174099	20.993	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	203543	21.059	ug/l	99
85) sec-Butylbenzene	13.25	105	250755	20.901	ug/l	97
86) p-Isopropyltoluene	13.37	119	224155	21.431	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	112250	21.922	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	110601	21.610	ug/l	100
89) n-Butylbenzene	13.69	91	218079	21.099	ug/l	99
90) Hexachloroethane	13.96	117	40379	20.849	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	101355	21.873	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9445	22.711	ug/l	89

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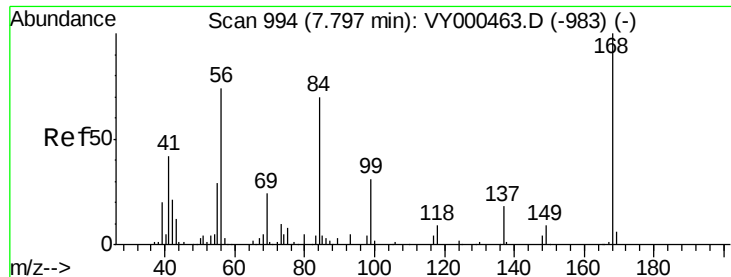
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	72737	22.545	ug/l	96
94) Hexachlorobutadiene	15.11	225	35731	20.465	ug/l	96
95) Naphthalene	15.23	128	159182	22.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	64097	22.044	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion:168 Resp: 193389

Ion Ratio Lower Upper

168 100

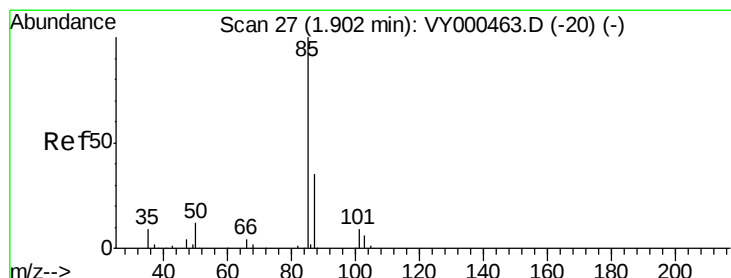
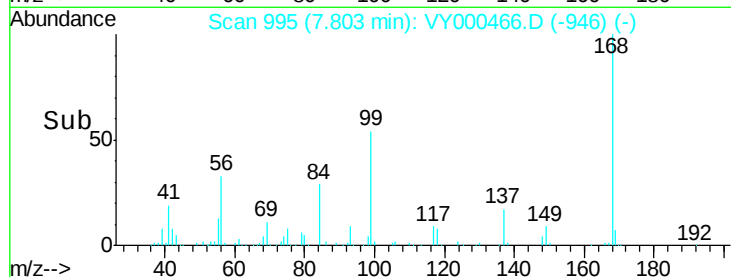
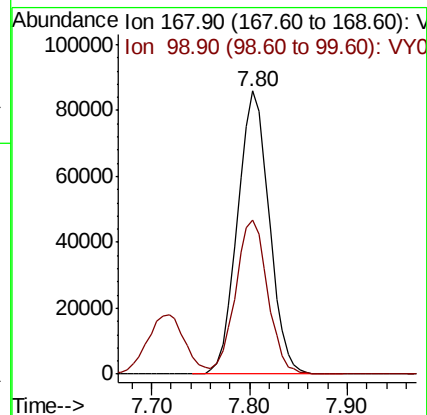
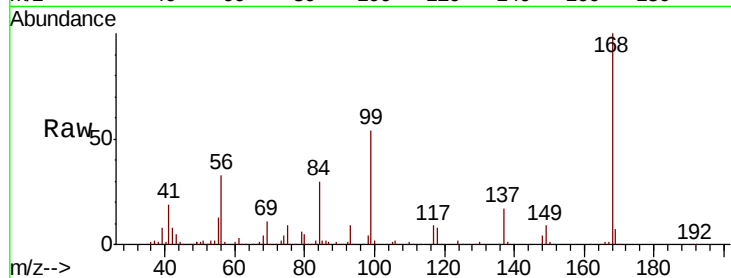
99 54.3 46.6 69.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.237 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000466.D

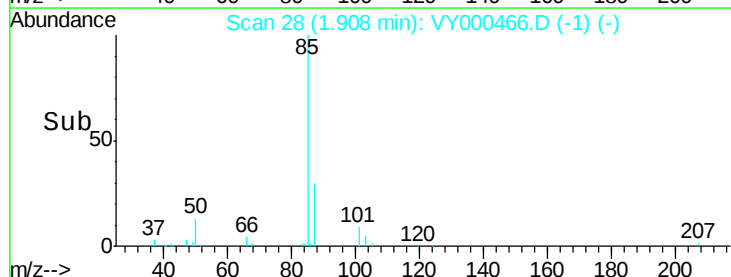
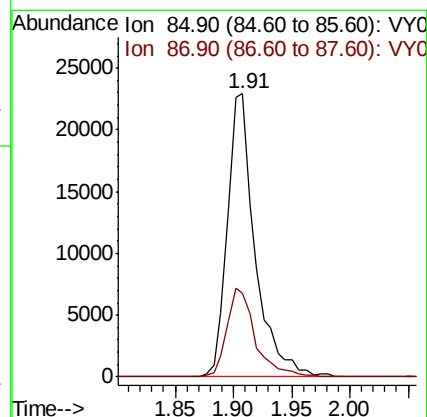
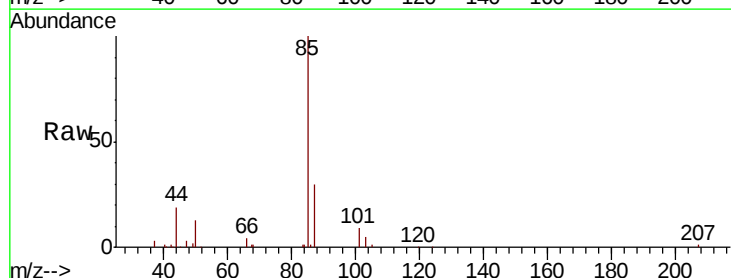
Acq: 29 Oct 2019 12:00

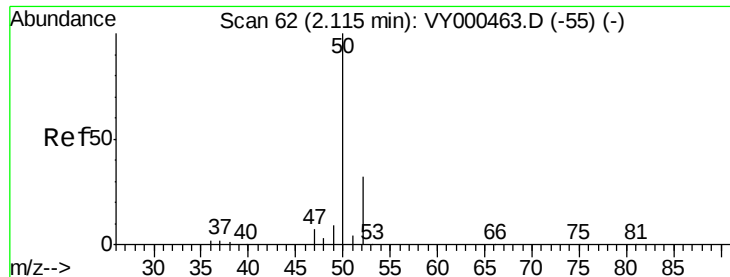
Tgt Ion: 85 Resp: 37665

Ion Ratio Lower Upper

85 100

87 29.7 16.6 49.8





#3

Chloromethane

Concen: 24.110 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 50 Resp: 56976

Ion Ratio Lower Upper

50 100

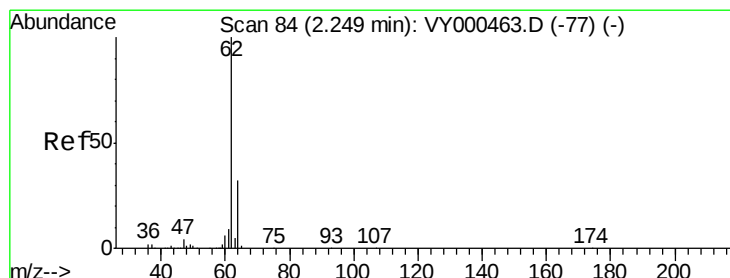
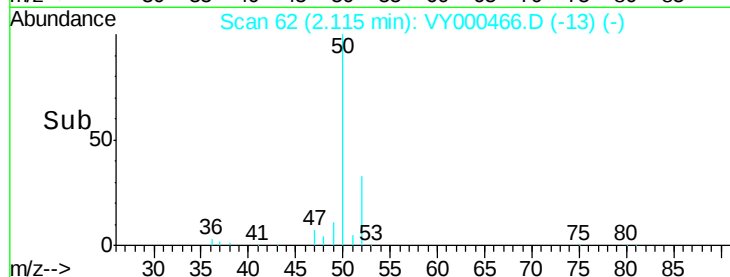
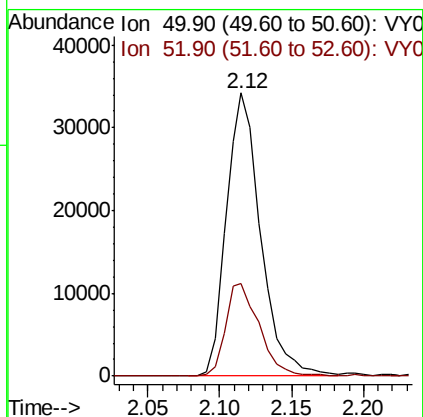
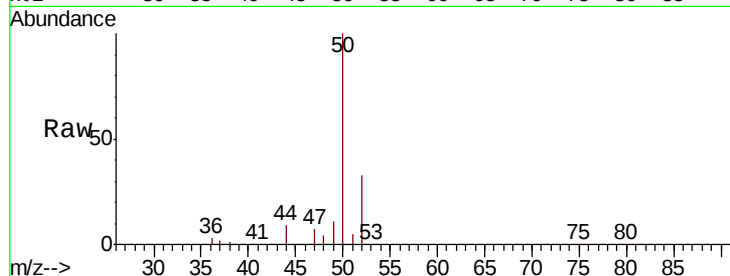
52 32.6 25.3 37.9

Manual Integrations

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10/30/2019 10:59:52 AM



#4

Vinyl Chloride

Concen: 21.580 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000466.D

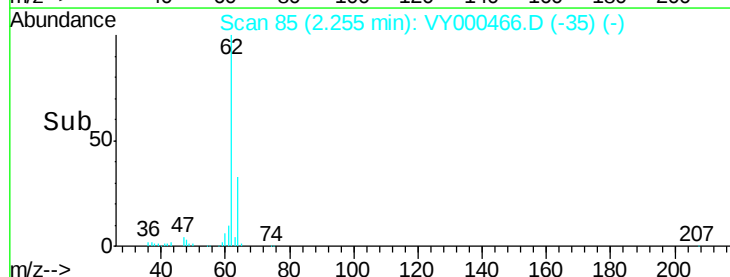
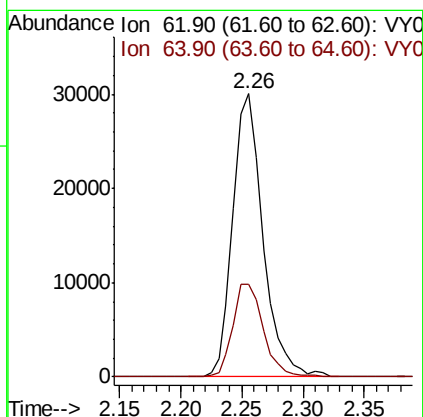
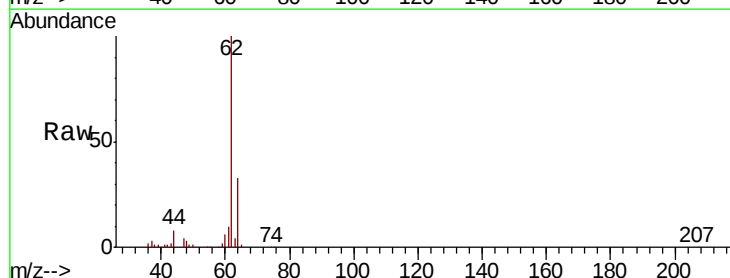
Acq: 29 Oct 2019 12:00

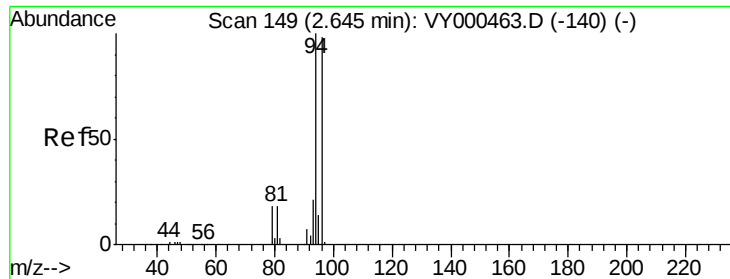
Tgt Ion: 62 Resp: 51467

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 18.433 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 94 Resp: 32580

Ion Ratio Lower Upper

94 100

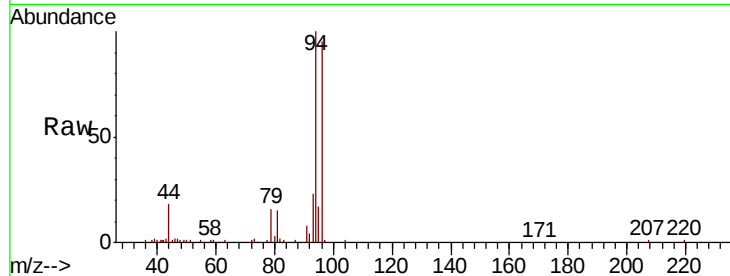
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Manual Integrations

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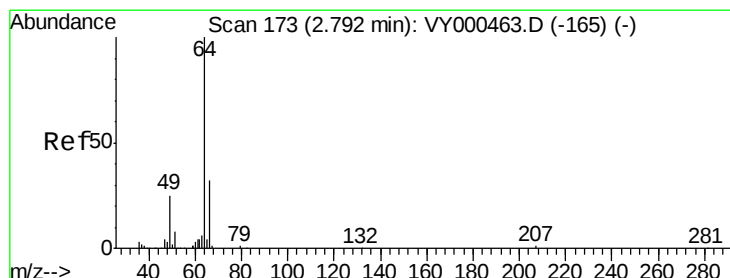
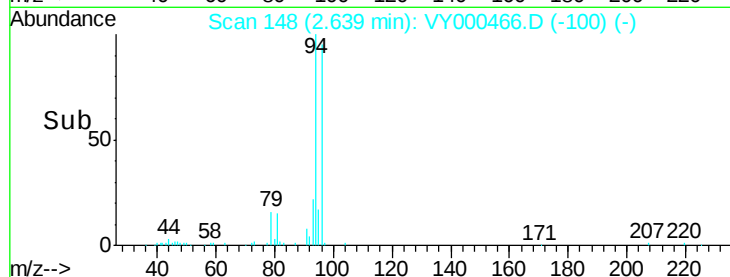
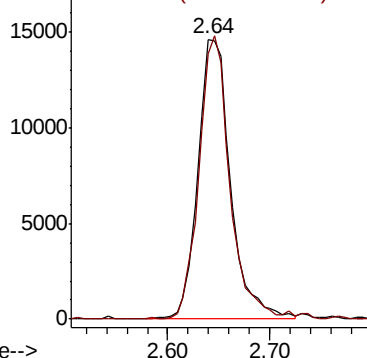
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.007 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000466.D

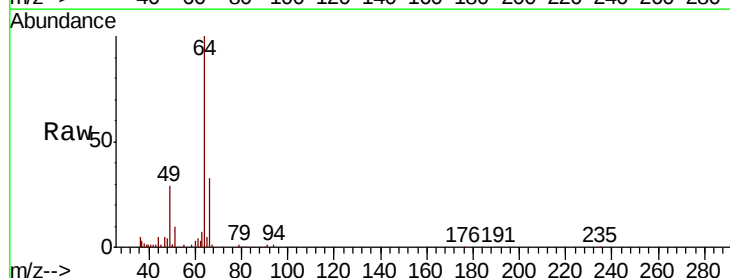
Acq: 29 Oct 2019 12:00

Tgt Ion: 64 Resp: 33865

Ion Ratio Lower Upper

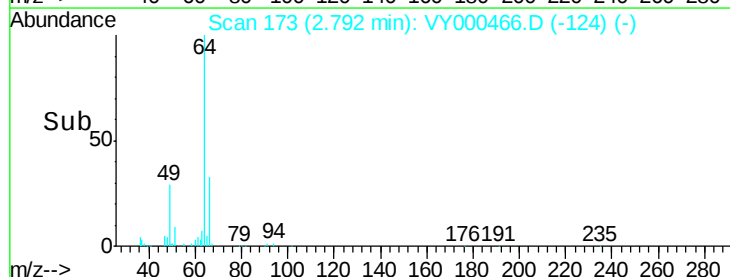
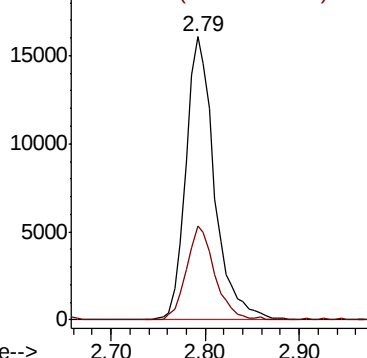
64 100

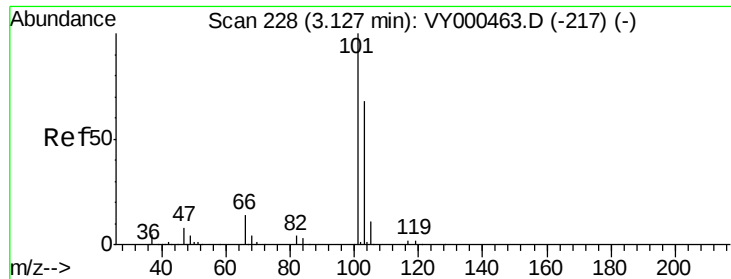
66 33.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

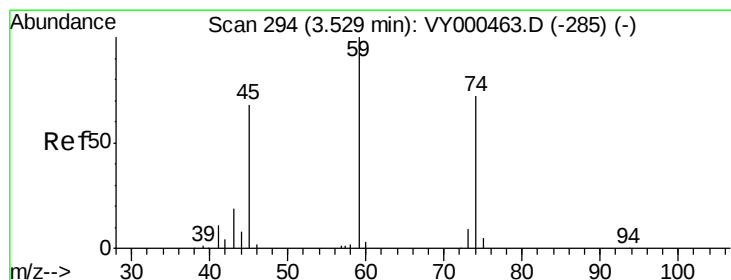
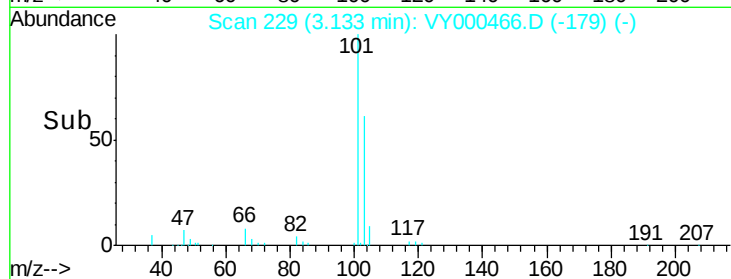
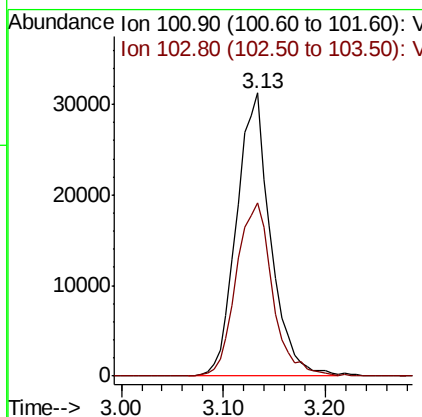
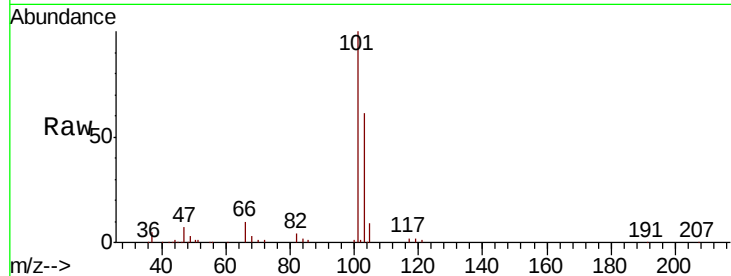
Trichlorofluoromethane
Concen: 22.143 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.4

Manual Integrations
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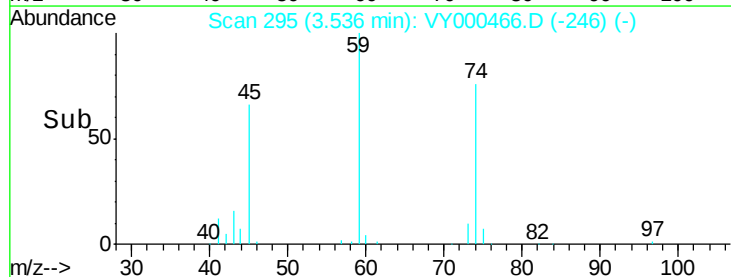
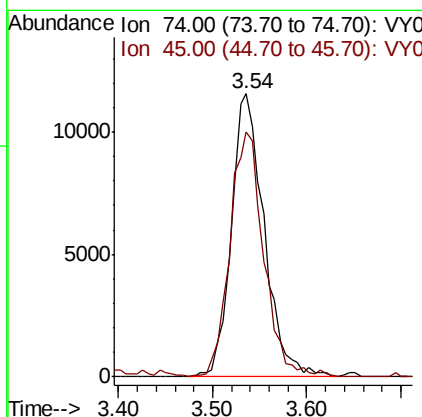
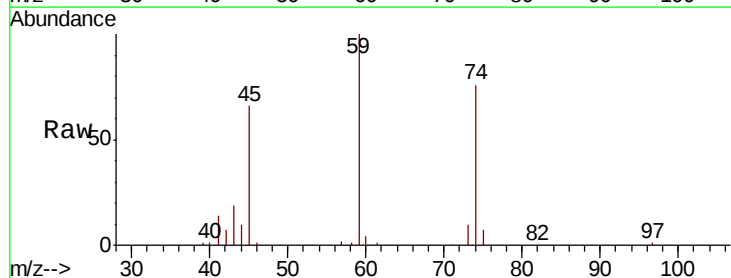
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10/30/2019 10:59:52 AM

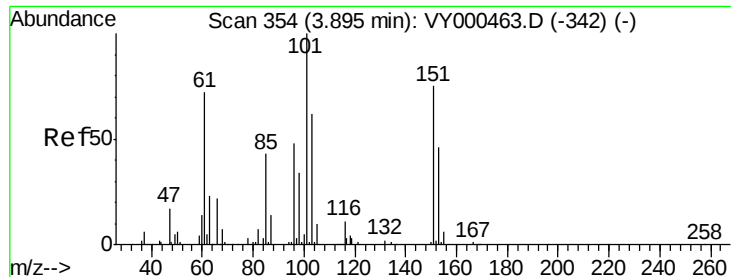


#8

Diethyl Ether
Concen: 24.201 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.074 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

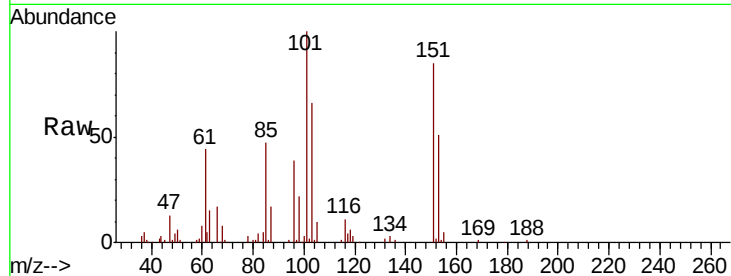
ClientSampleId :

VY1029SBS01

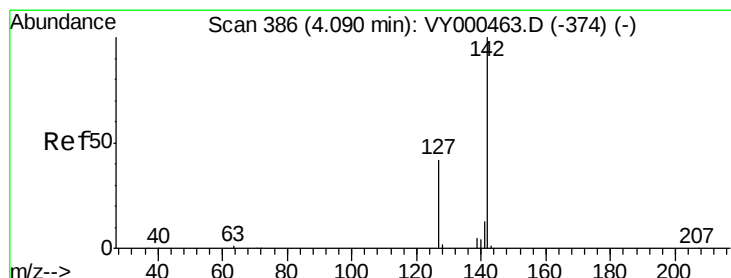
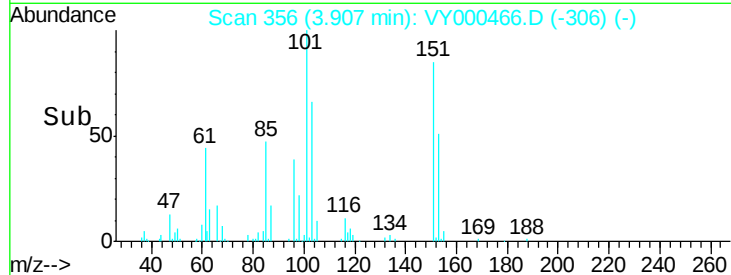
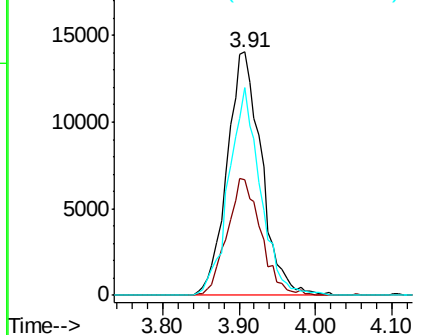
Tot Ion:	101	Resp:	43672
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.6	55.0
151	78.6	63.1	94.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.300 ug/l

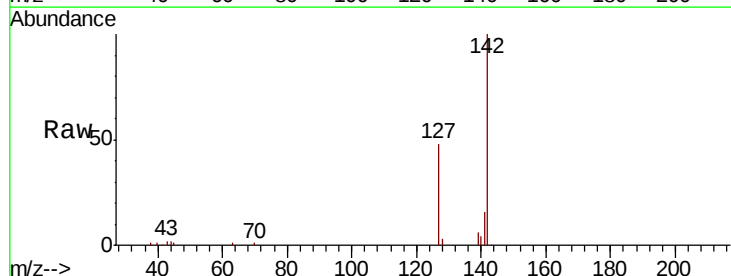
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

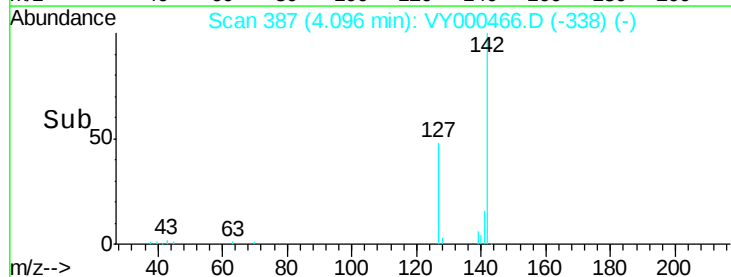
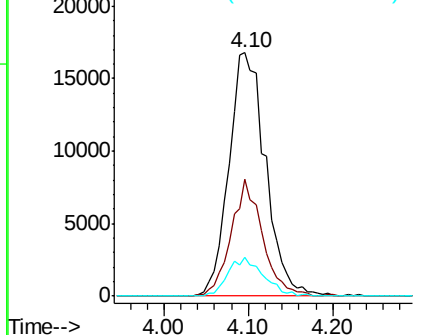
Lab File: VY000466.D

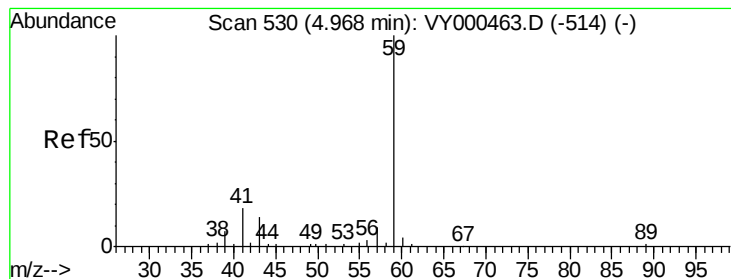
Acq: 29 Oct 2019 12:00

Tgt Ion:	142	Resp:	49401
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.9	50.9
141	15.4	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

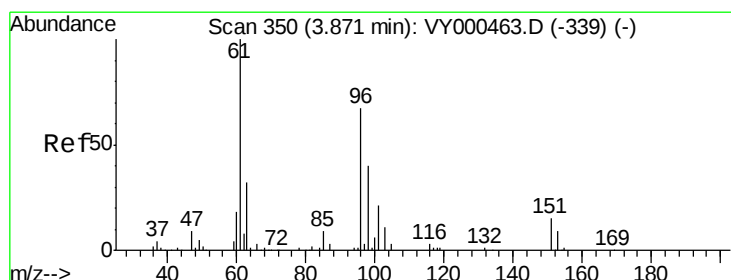
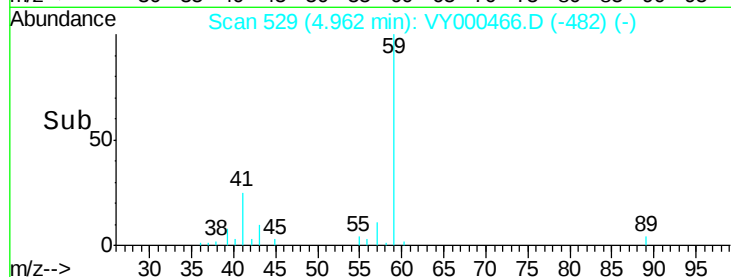
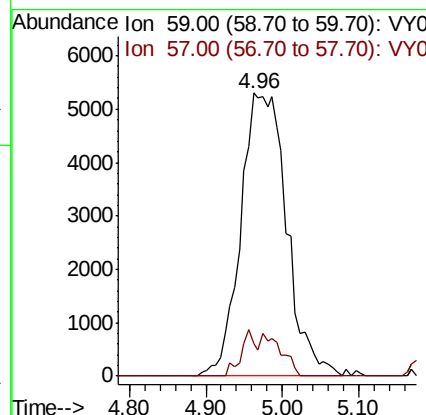
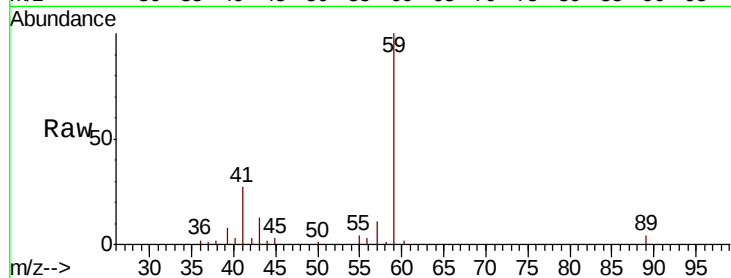
Tert butyl alcohol
Concen: 103.353 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#

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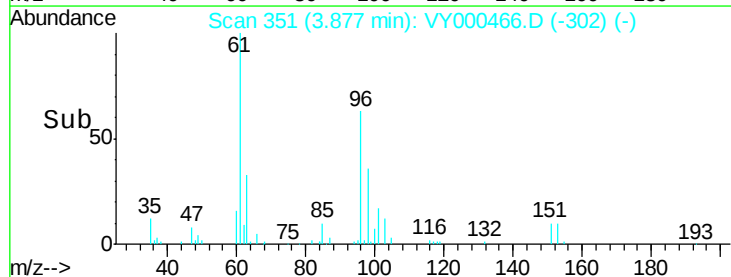
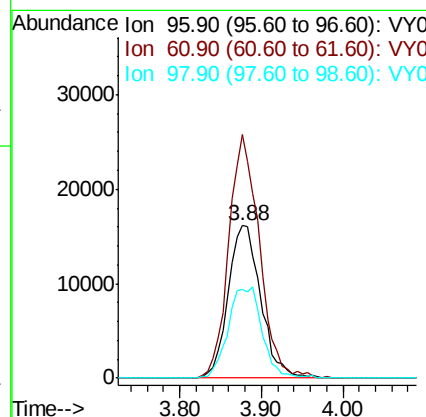
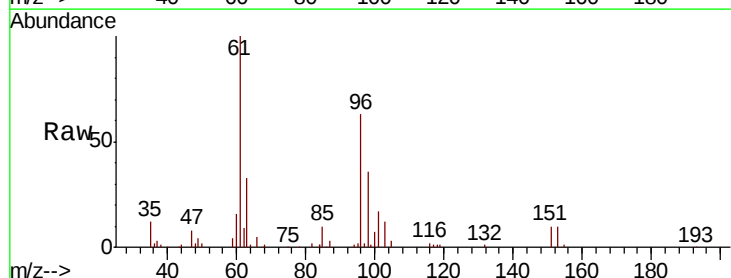
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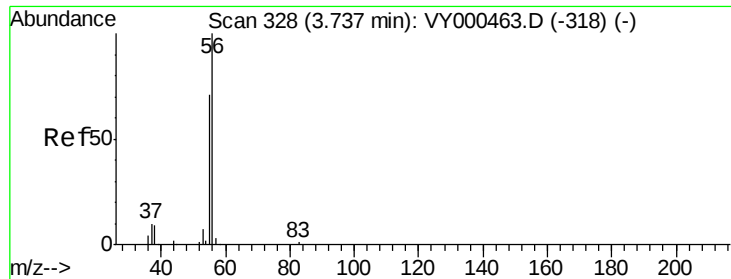


#12

1,1-Dichloroethene
Concen: 22.677 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	125.8	188.6
98	58.2	46.2	69.2





#13

Acrolein

Concen: 73.400 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 56 Resp: 18371

Ion Ratio Lower Upper

56 100

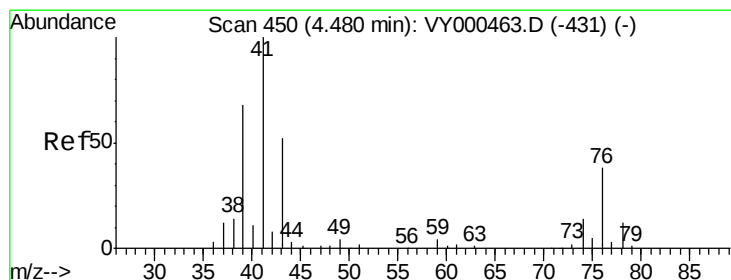
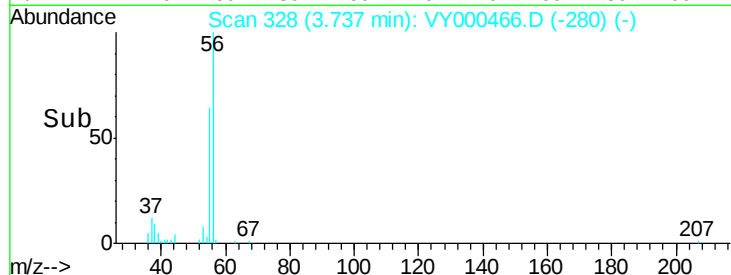
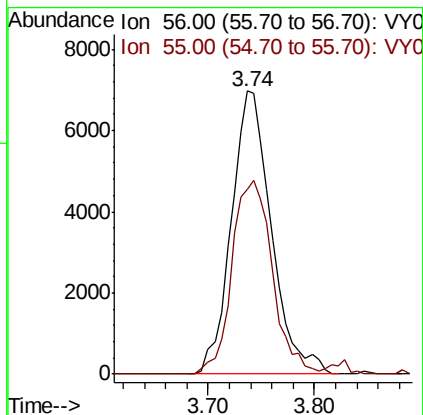
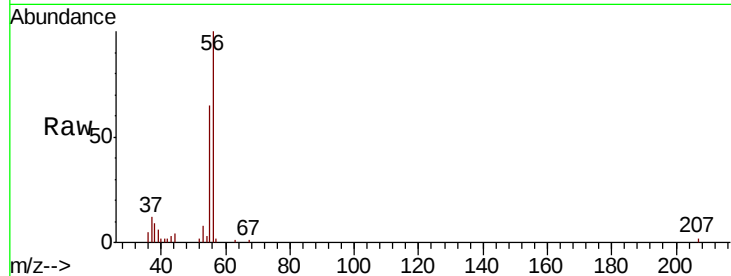
55 69.0 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 22.658 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

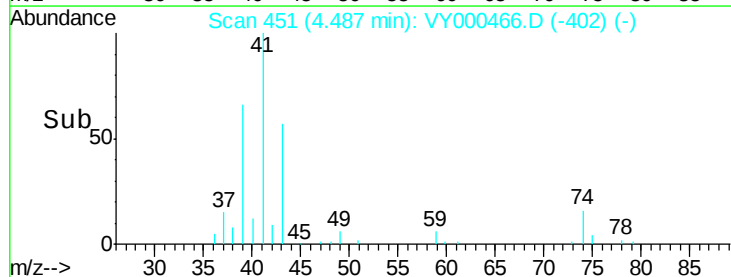
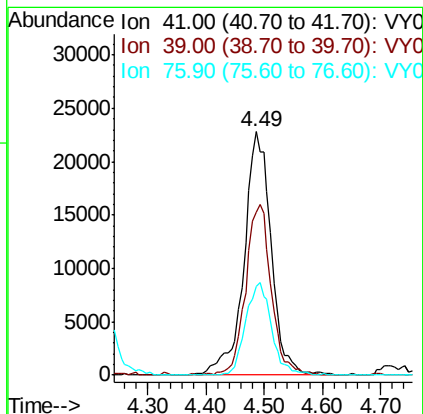
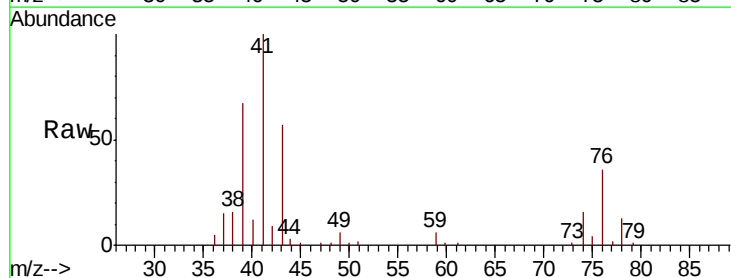
Tgt Ion: 41 Resp: 73337

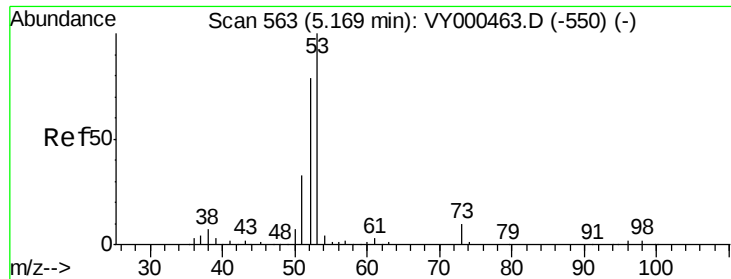
Ion Ratio Lower Upper

41 100

39 65.8 54.0 81.0

76 36.2 30.7 46.1





#15

Acrylonitrile

Concen: 109.641 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

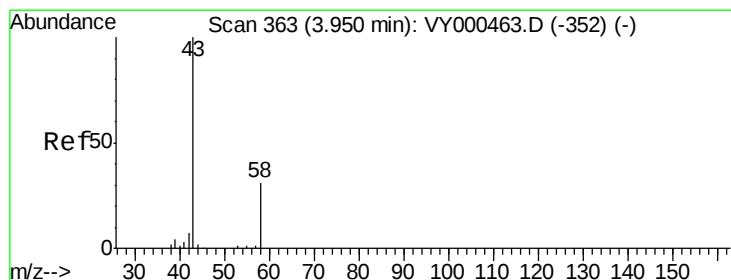
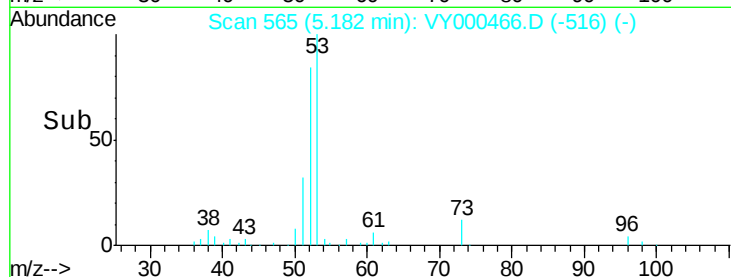
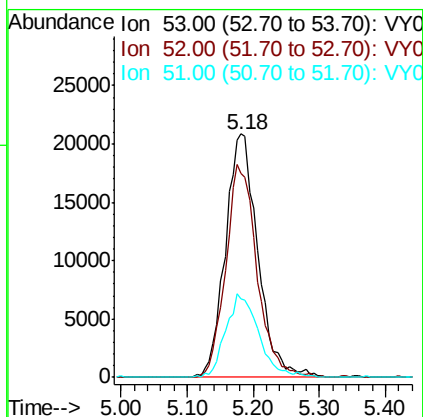
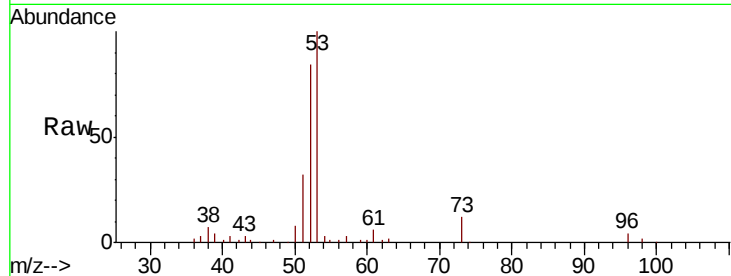
ClientSampleId :

VY1029SBS01

Tot Ion:	53	Resp:	70726
Ion	Ratio	Lower	Upper
53	100		
52	84.3	62.9	94.3
51	35.0	26.9	40.3

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#16

Acetone

Concen: 104.309 ug/l

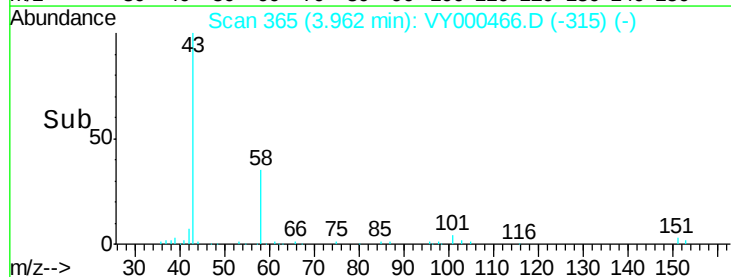
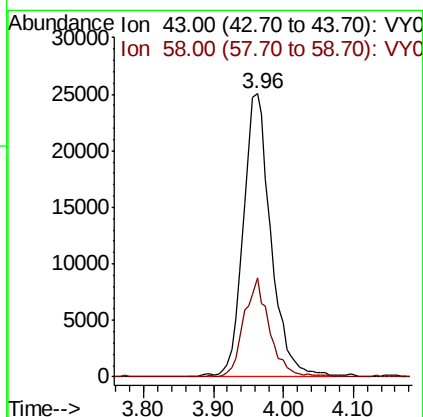
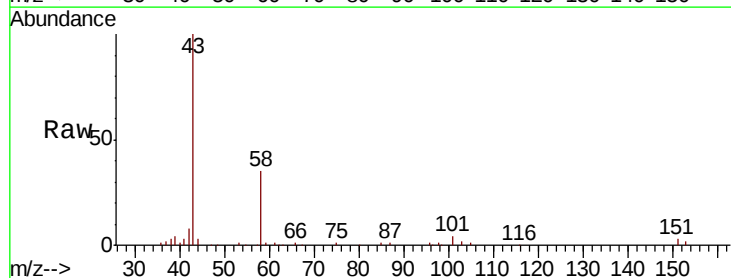
RT: 3.96 min Scan# 365

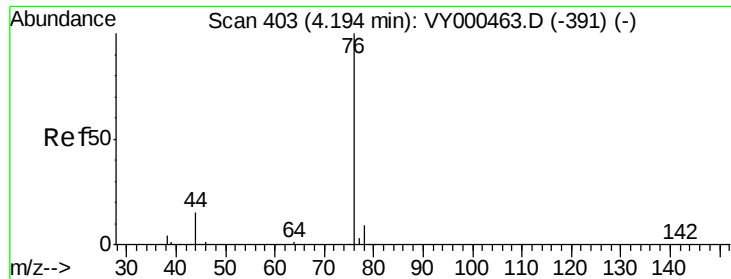
Delta R.T. 0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	43	Resp:	68909
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.8	38.6





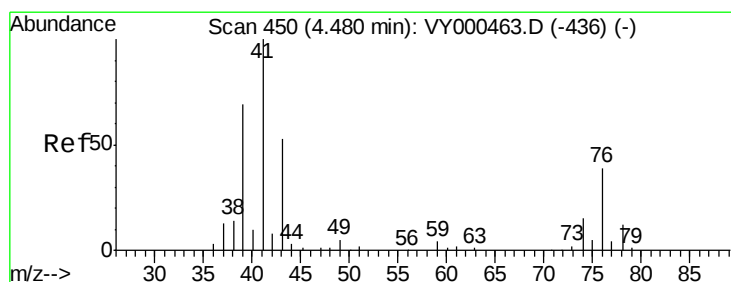
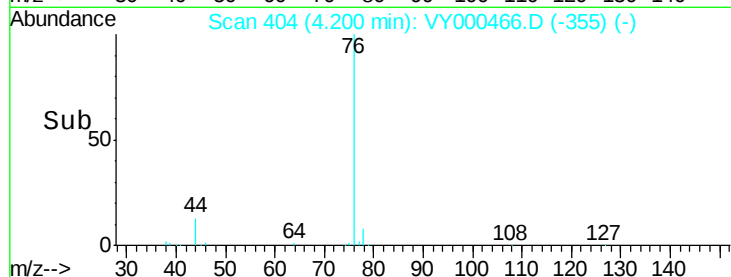
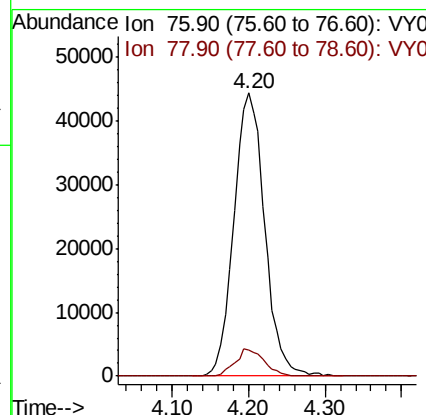
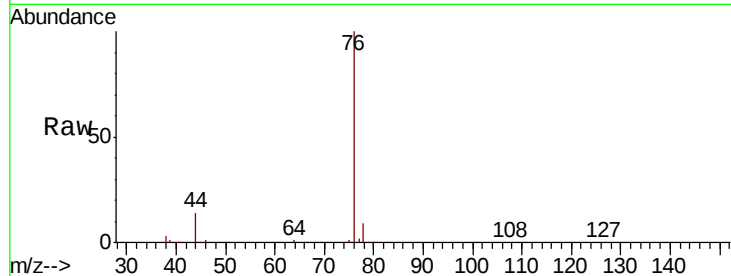
#17
Carbon Disulfide
Concen: 20.126 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

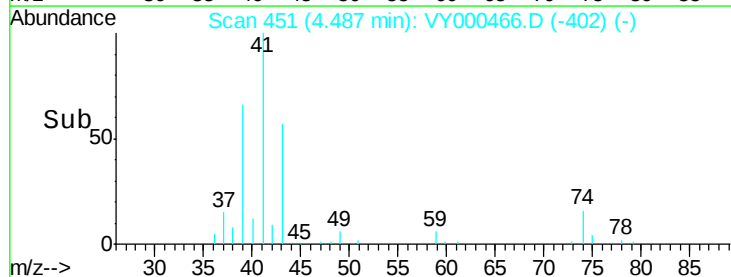
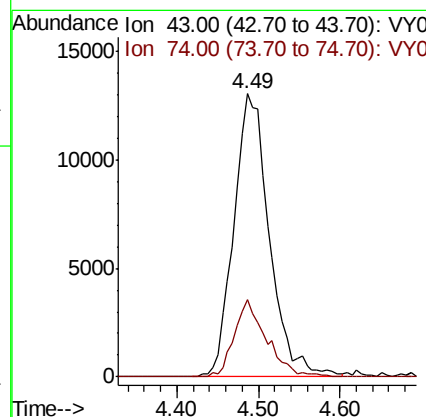
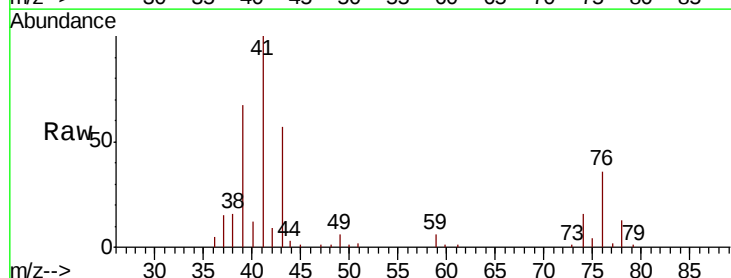
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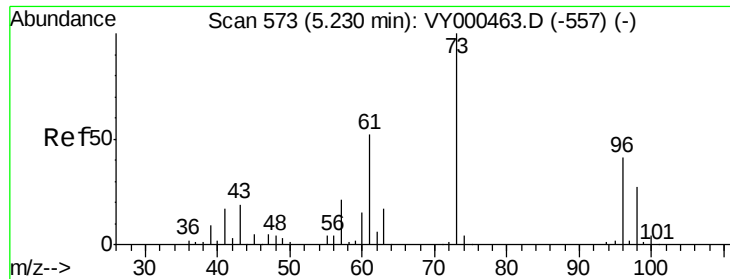
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#18
Methyl Acetate
Concen: 23.937 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.4	30.6





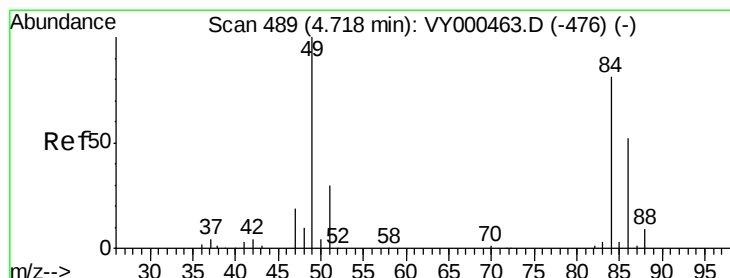
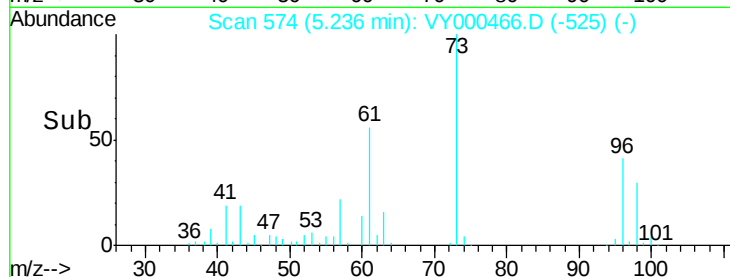
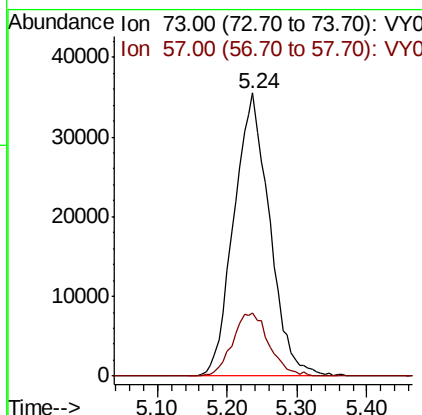
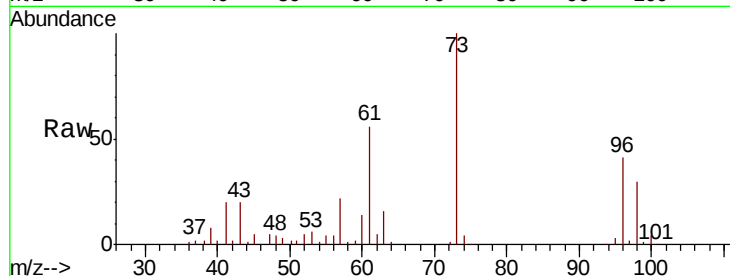
#19
Methvl tert-butvl Ether
Concen: 23.130 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion: 73 Resp: 125763
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.0

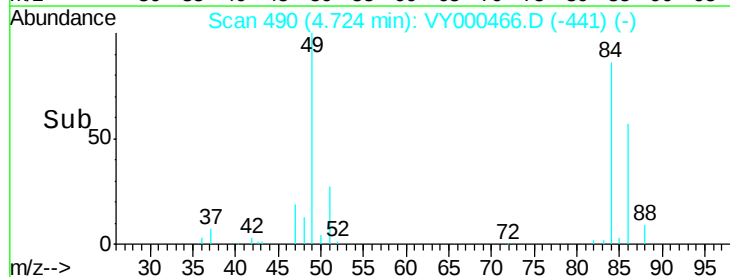
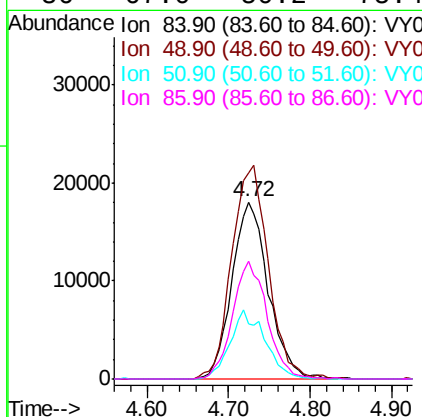
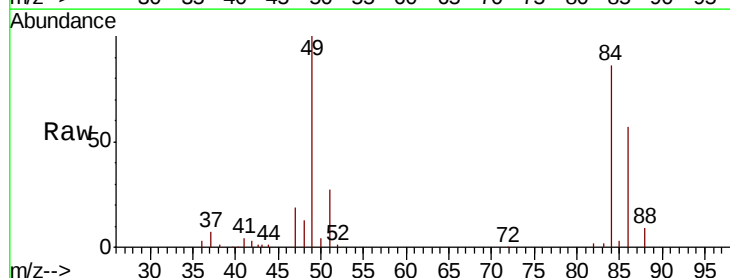
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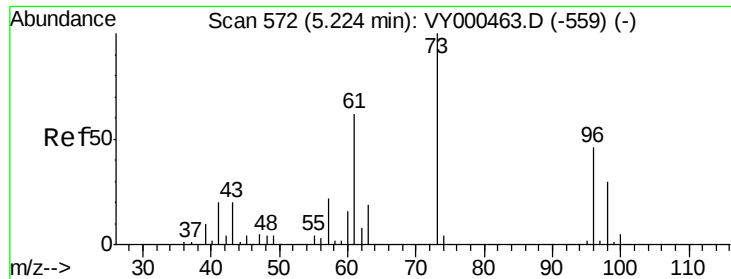
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#20
Methylene Chloride
Concen: 21.979 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion: 84 Resp: 55704
Ion Ratio Lower Upper
84 100
49 116.9 99.0 148.4
51 31.4 29.3 43.9
86 67.0 50.2 75.4





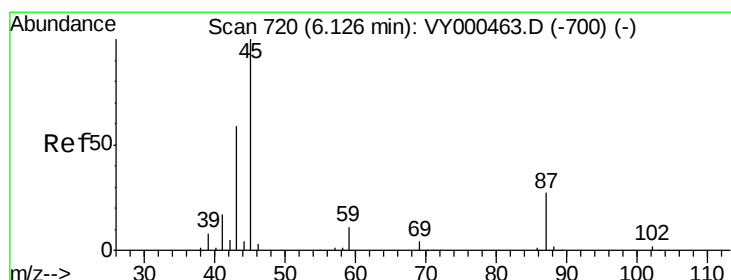
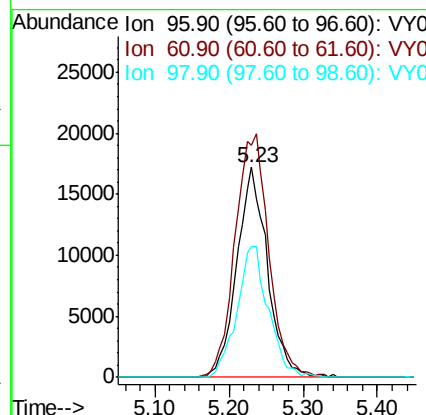
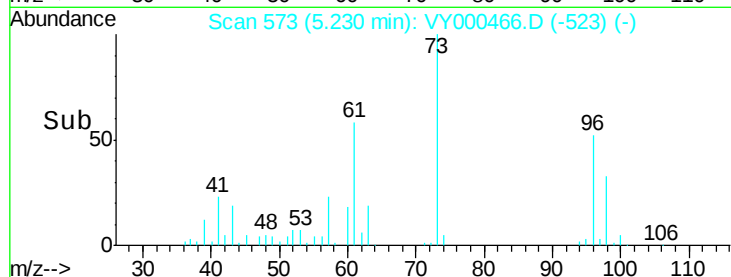
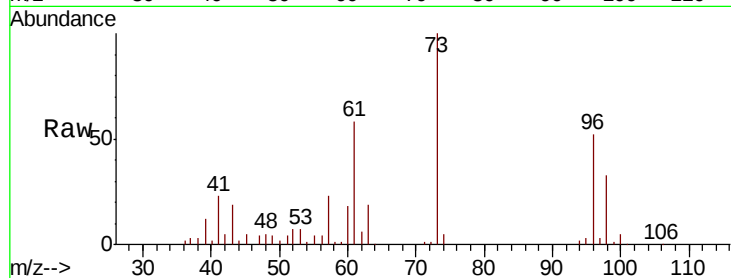
#21
trans-1,2-Dichloroethene
Concen: 22.157 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	110.8	100.4	150.6
98	62.4	44.6	66.8

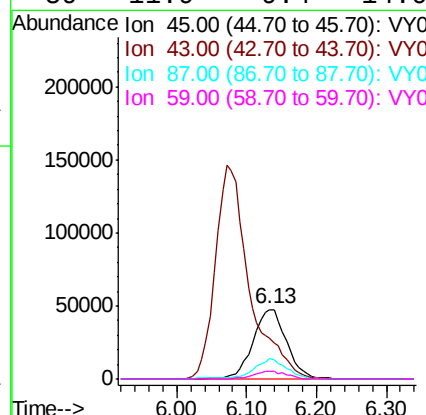
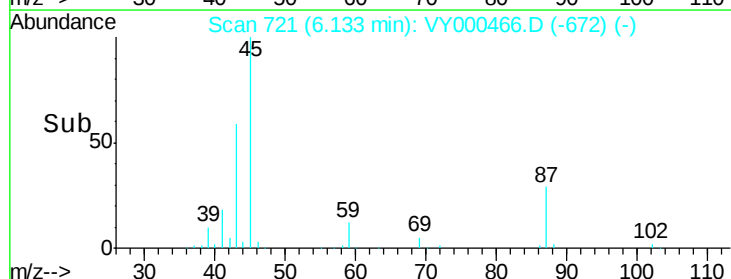
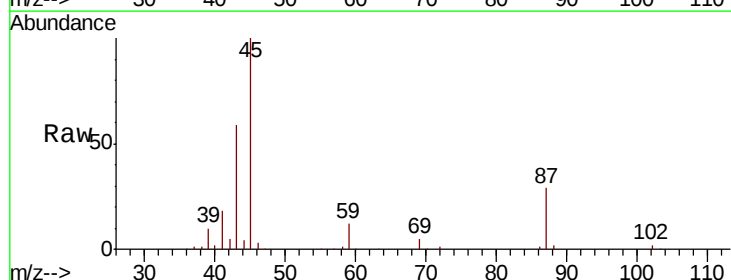
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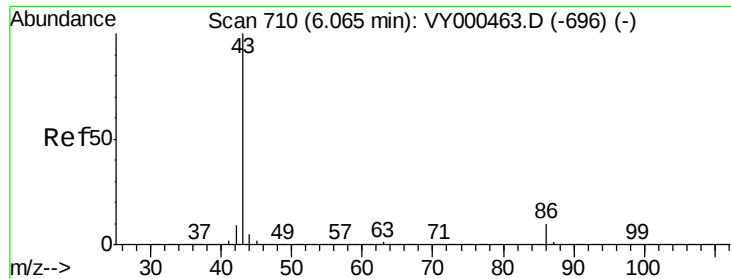
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#22
Diisopropyl ether
Concen: 23.424 ug/l
RT: 6.13 min Scan# 721
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.5	72.7
87	29.0	21.5	32.3
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 111.420 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 43 Resp: 497616

Ion Ratio Lower Upper

43 100

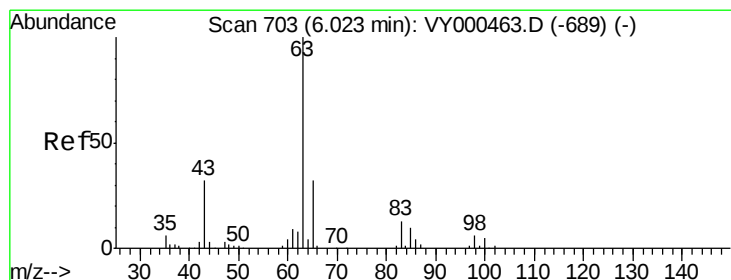
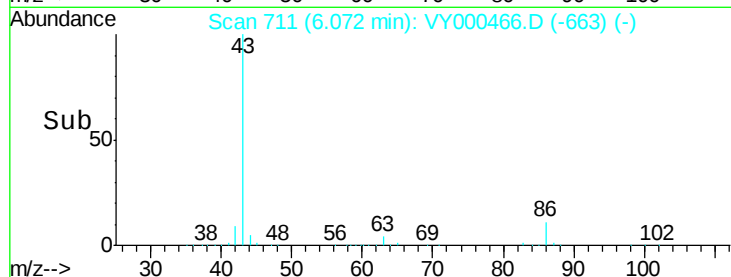
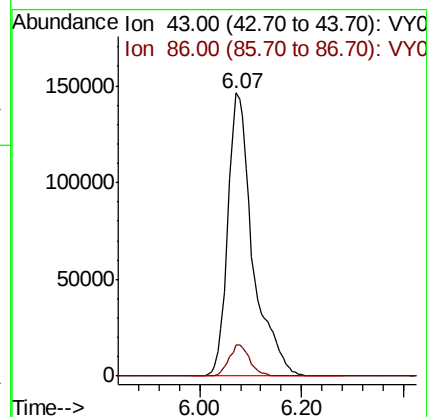
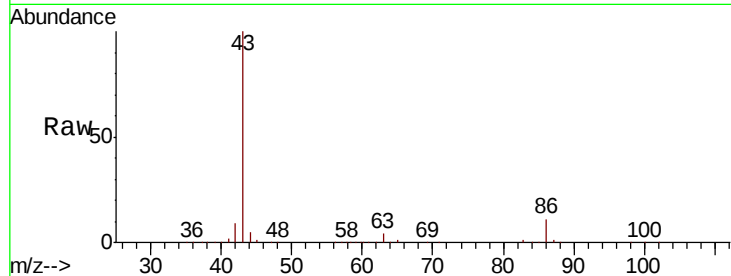
86 10.8 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 22.772 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

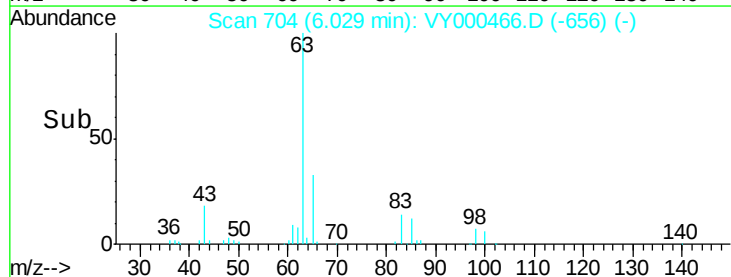
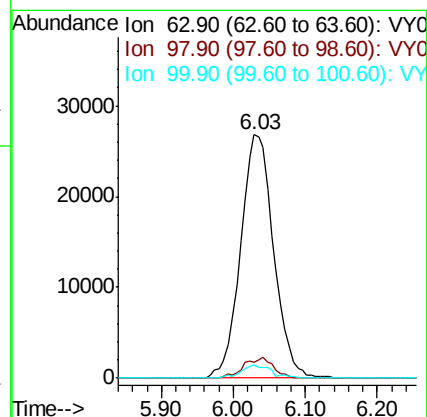
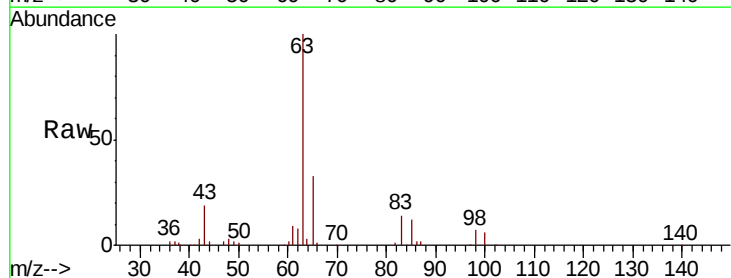
Tgt Ion: 63 Resp: 85093

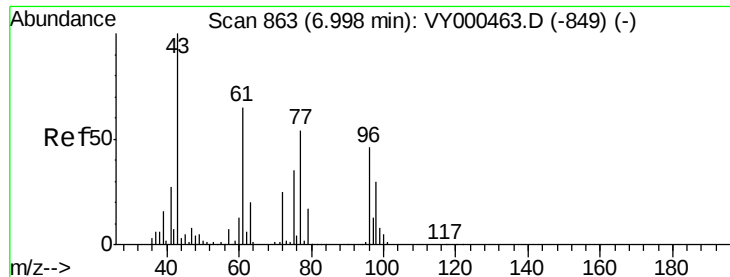
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 5.7 2.1 6.2





#25

2-Butanone

Concen: 113.266 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 43 Resp: 105406

Ion Ratio Lower Upper

43 100

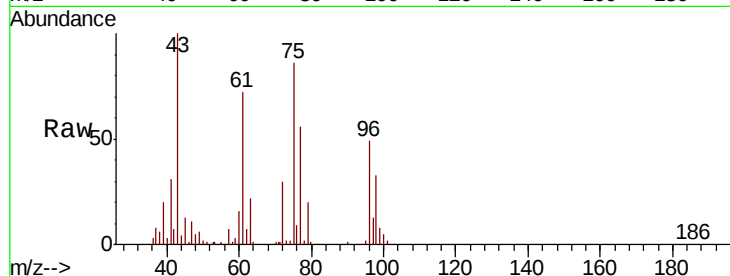
72 30.2 21.4 32.2

Manual Integrations

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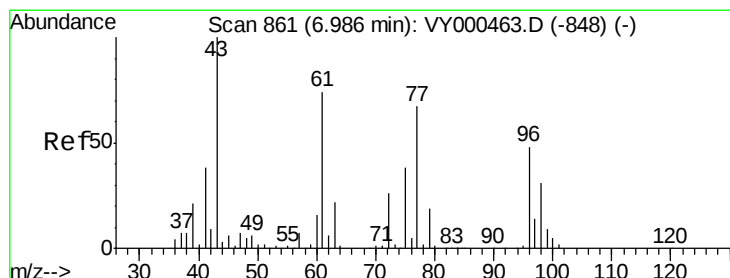
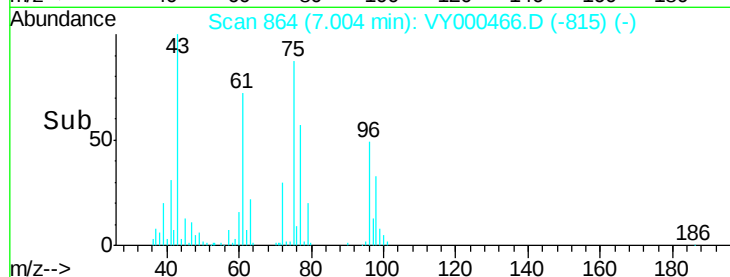
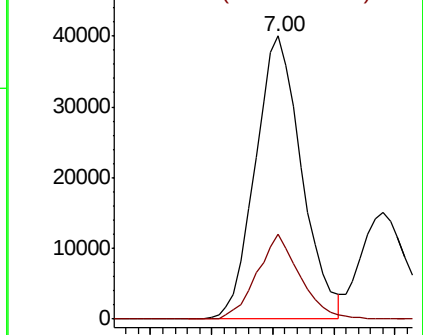
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 23.241 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000466.D

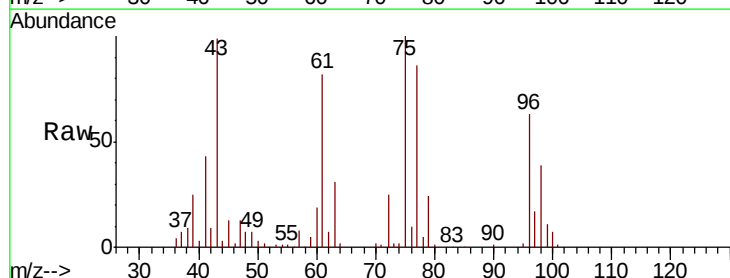
Acq: 29 Oct 2019 12:00

Tgt Ion: 77 Resp: 80023

Ion Ratio Lower Upper

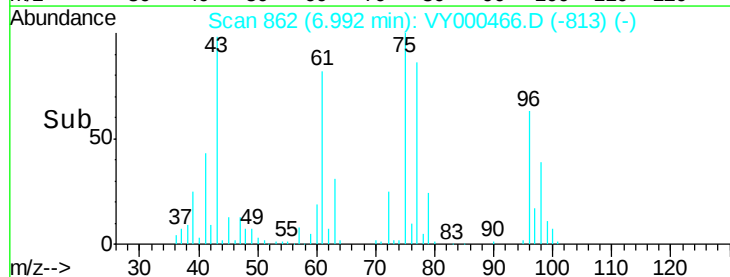
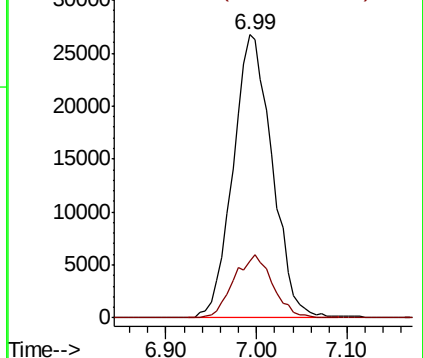
77 100

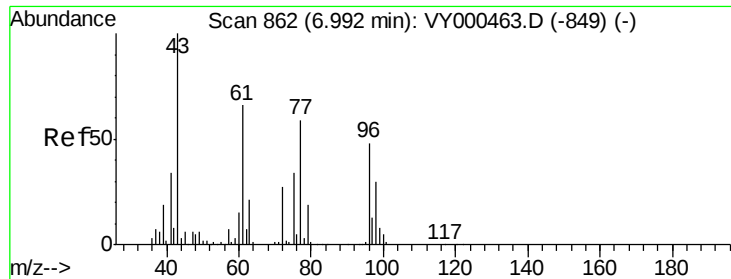
97 22.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

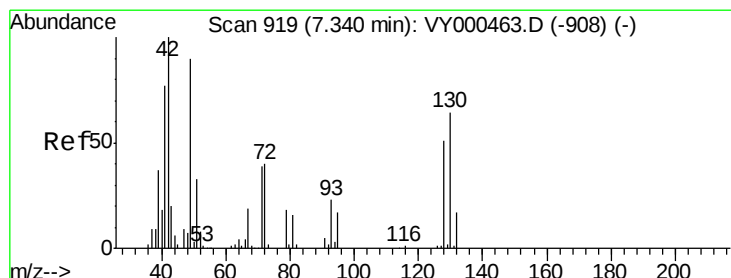
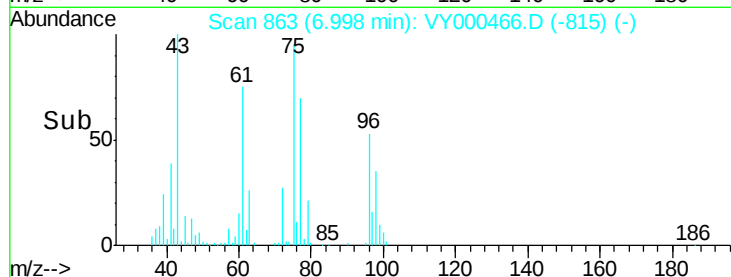
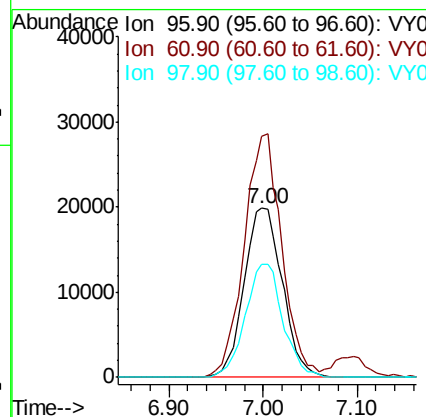
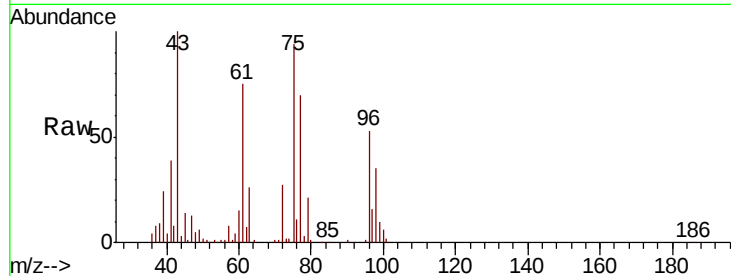
cis-1,2-Dichloroethene
Concen: 23.285 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	289.8
98	65.9	0.0	131.8

Manual Integrations
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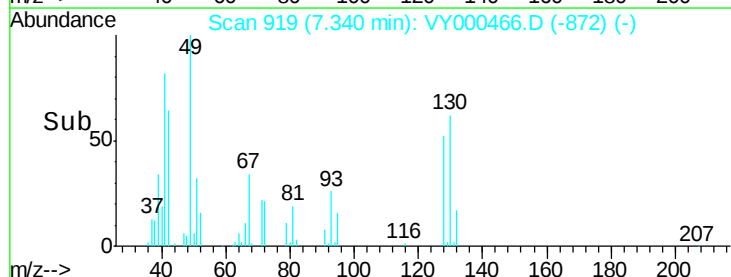
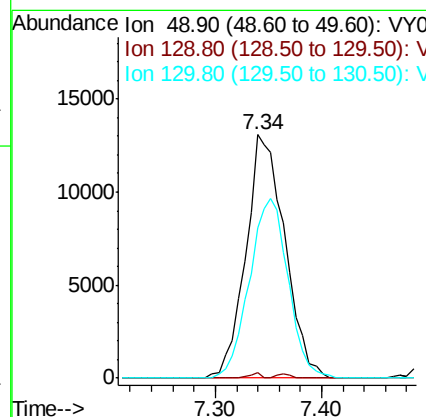
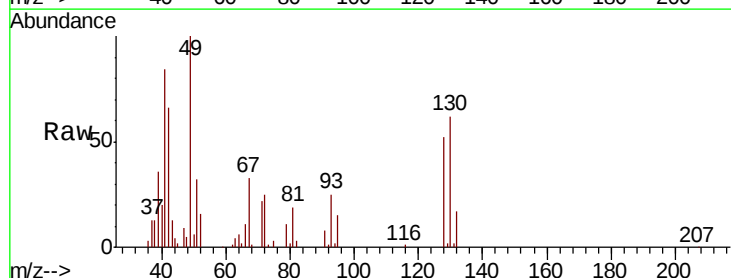
MMDadoda
10/30/2019 10:59:52 AM

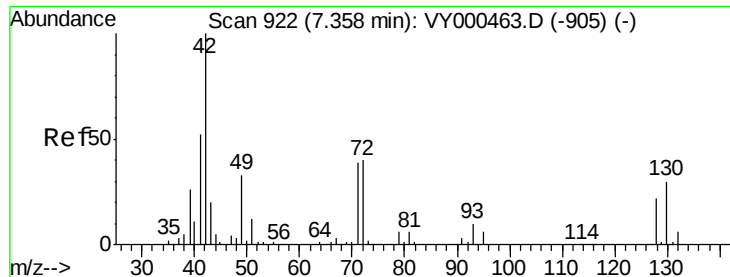


#28

Bromochloromethane
Concen: 20.963 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	73.2	58.2	87.2





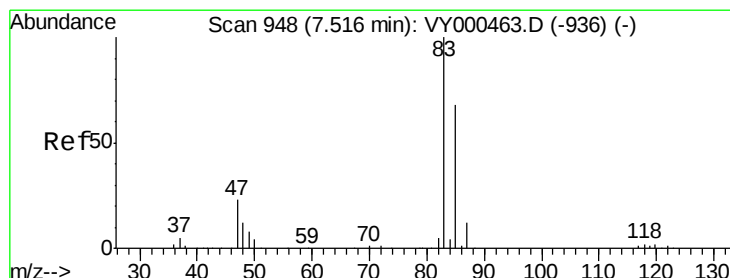
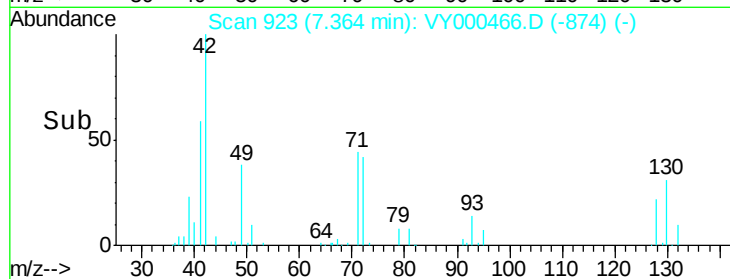
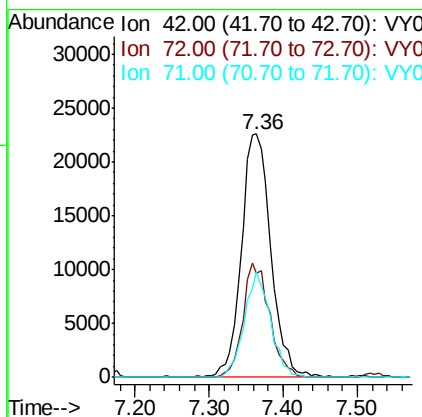
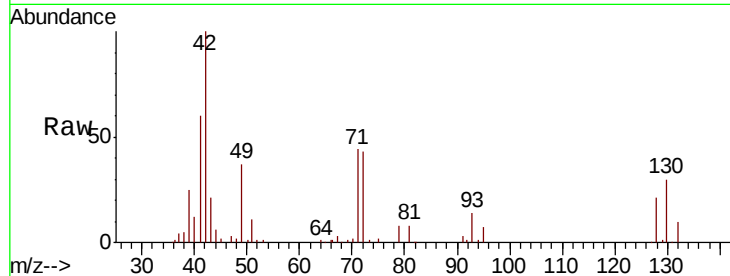
#29
Tetrahydrofuran
Concen: 111.290 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.5	51.7
71	38.4	32.7	49.1

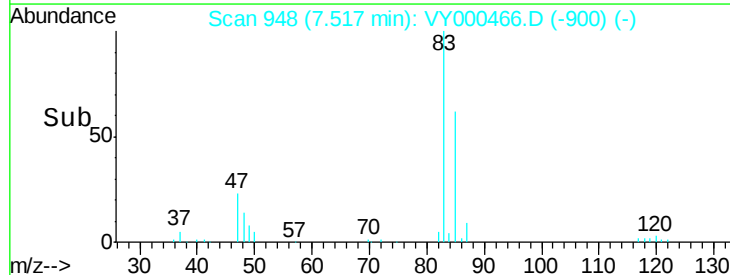
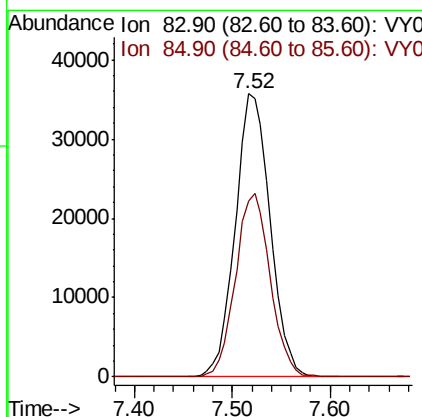
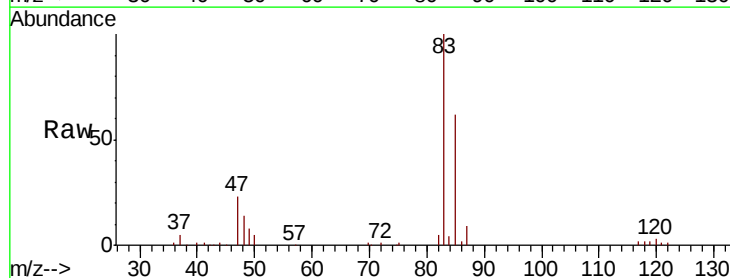
Manual Integrations
APPROVED

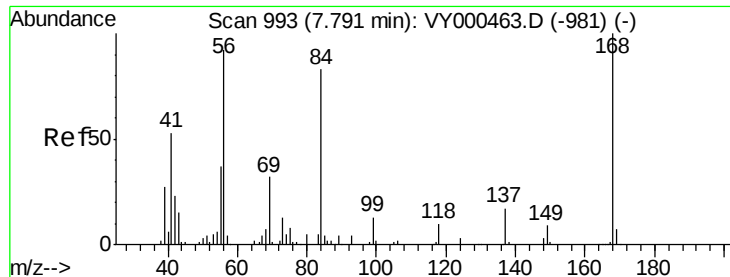
MMDadoda
10/30/2019 10:59:52 AM



#30
Chloroform
Concen: 23.446 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2





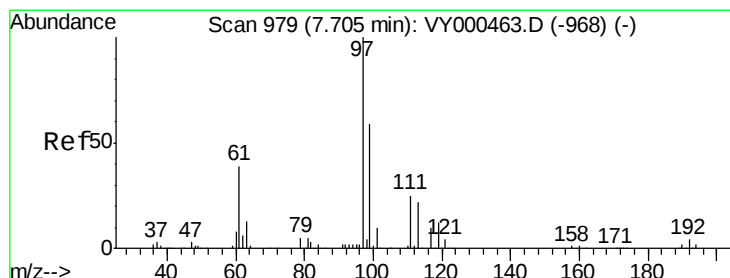
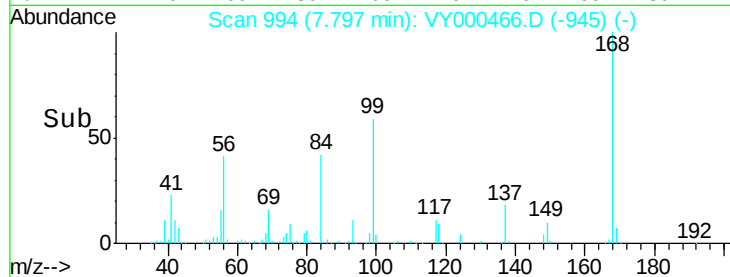
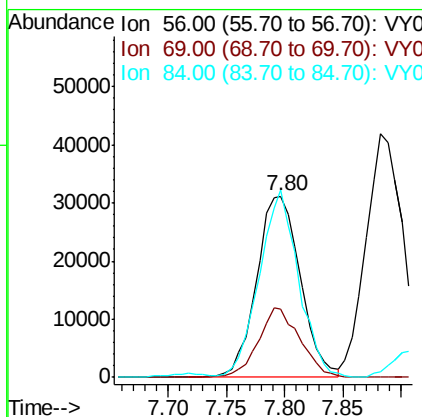
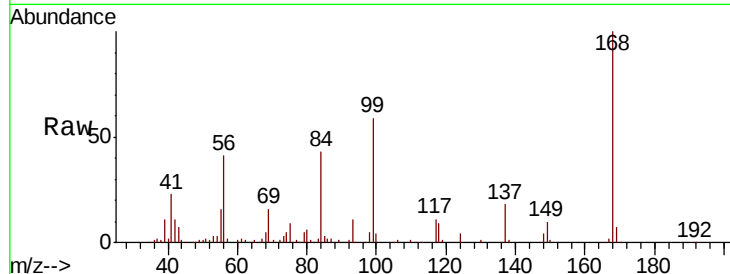
#31
Cyclohexane
Concen: 20.864 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	56	69	84	Resp	81430
Ion	Ratio	Lower	Upper		
56	100				
69	37.7	26.3	39.5		
84	100.6	70.8	106.2		

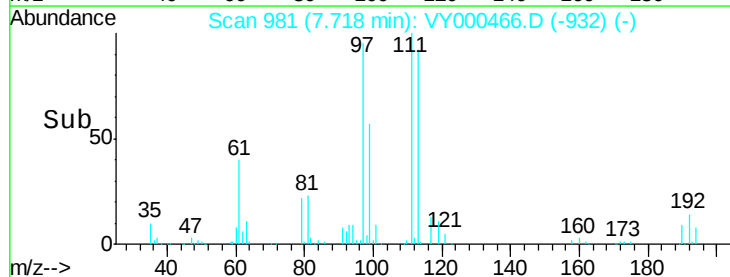
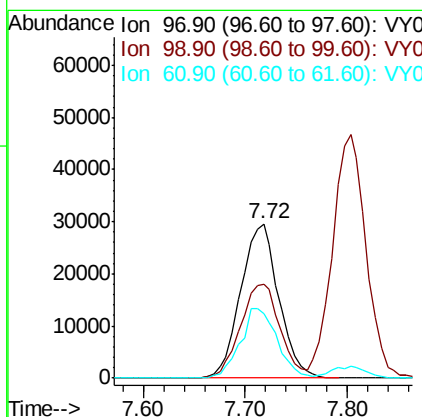
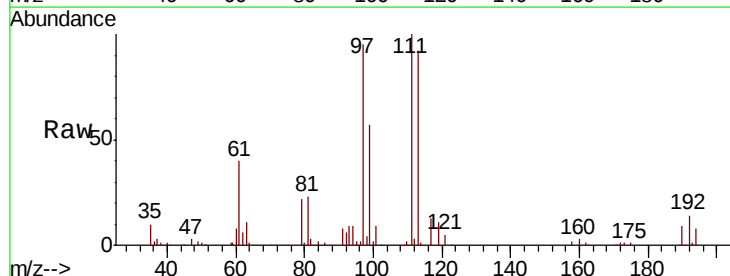
Manual Integrations
APPROVED

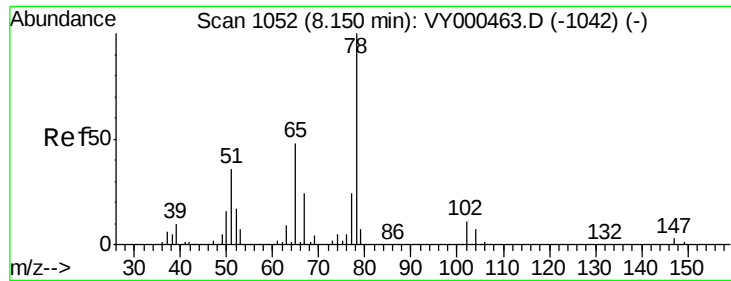
MMDadoda
10/30/2019 10:59:52 AM



#32
1,1,1-Trichloroethane
Concen: 22.965 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	97	111	Resp	76832
Ion	Ratio	Lower	Upper	
97	100			
99	63.5	51.7	77.5	
61	43.7	34.5	51.7	





#33

1,2-Dichloroethane-d4

Concen: 54.650 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 65 Resp: 111484

Ion Ratio Lower Upper

65 100

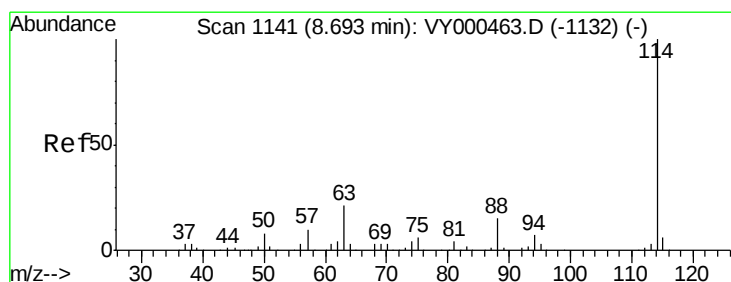
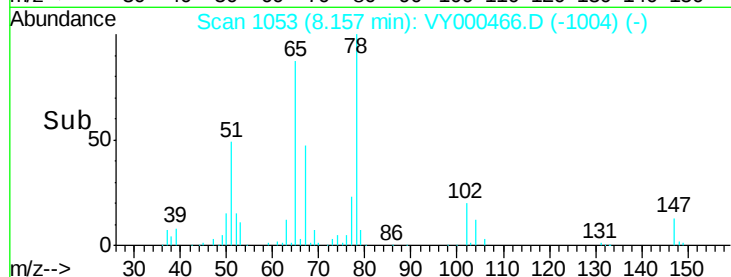
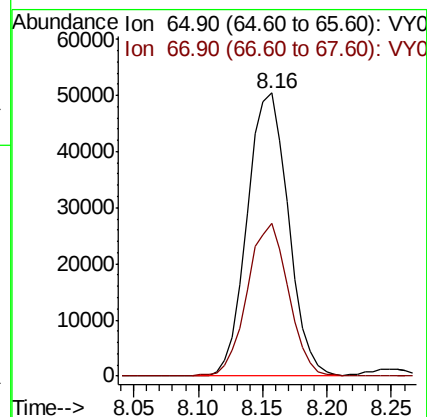
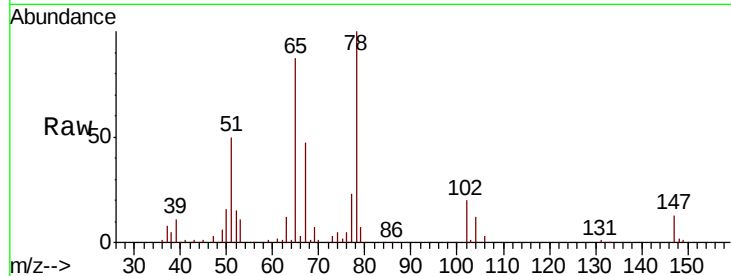
67 54.0 0.0 109.4

Manual Integrations

APPROVED

MMDadoda

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

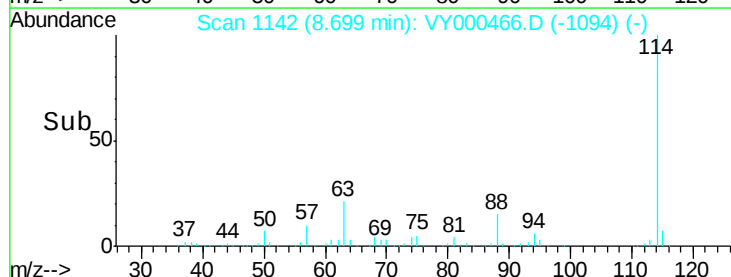
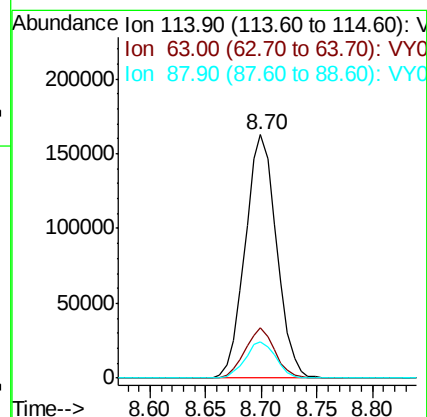
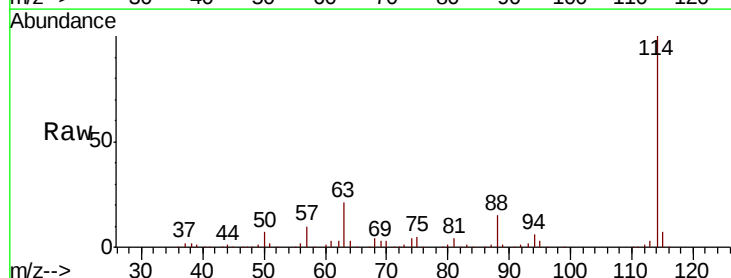
Tgt Ion: 114 Resp: 318540

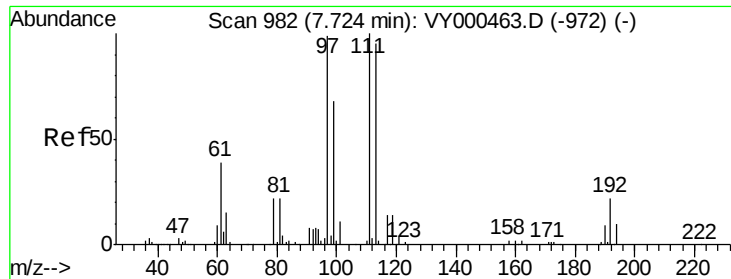
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.2

88 14.7 0.0 30.2





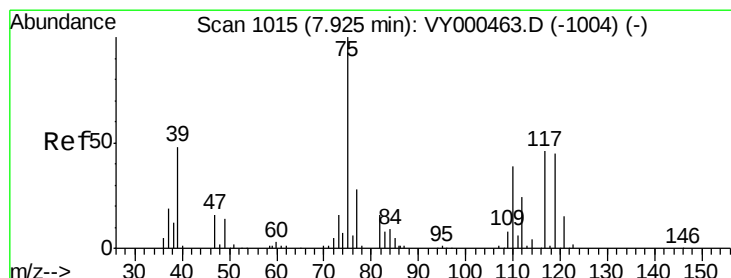
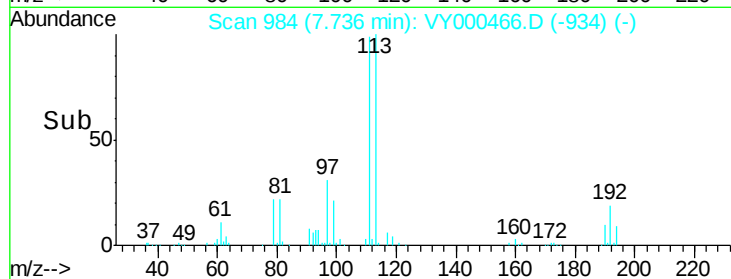
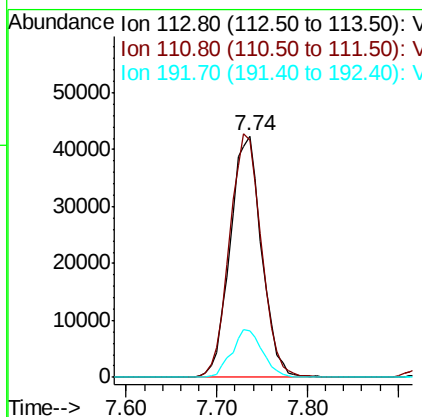
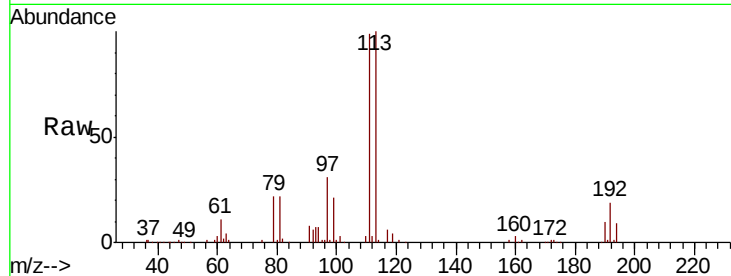
#35
 Dibromofluoromethane
 Concen: 53.124 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102075		
111	102.3	81.6	122.4	
192	19.5	15.3	22.9	

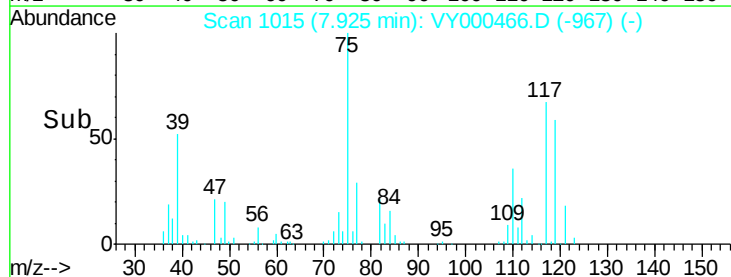
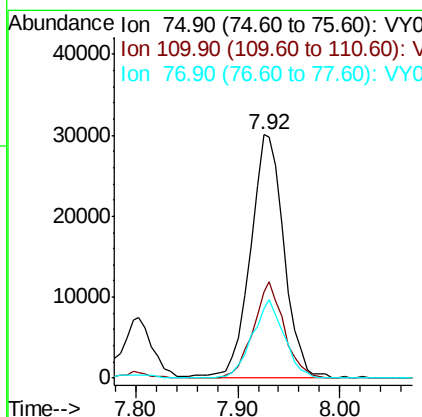
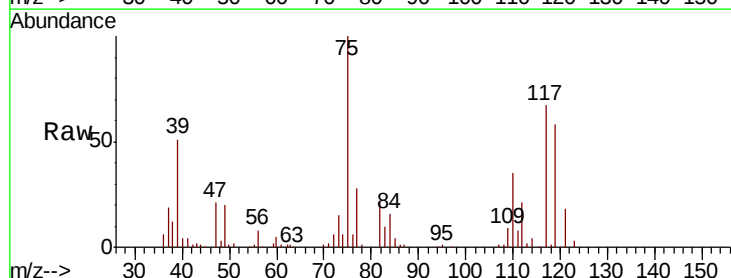
Manual Integrations
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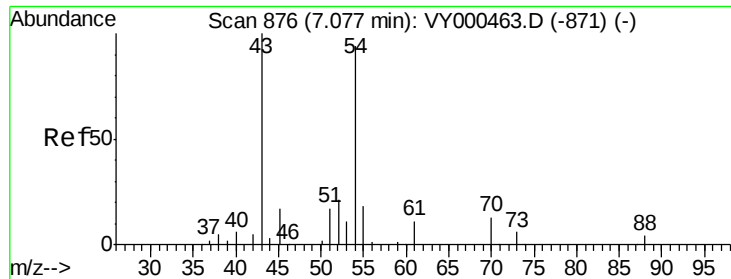
MMDadoda
 10/30/2019 10:59:52 AM



#36
 1,1-Dichloropropene
 Concen: 21.960 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68488		
110	36.5	18.4	55.4	
77	30.7	25.0	37.6	





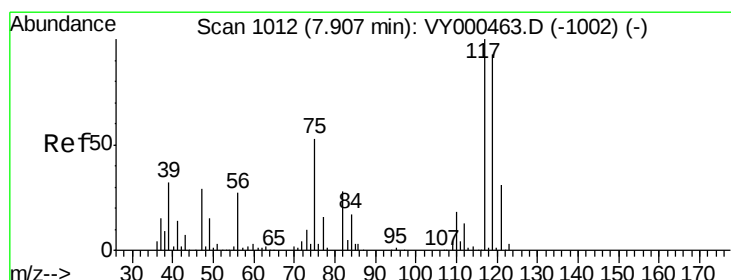
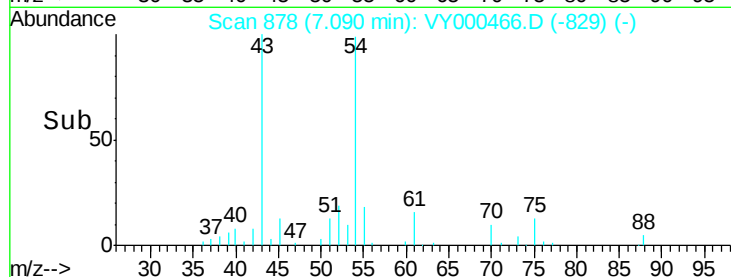
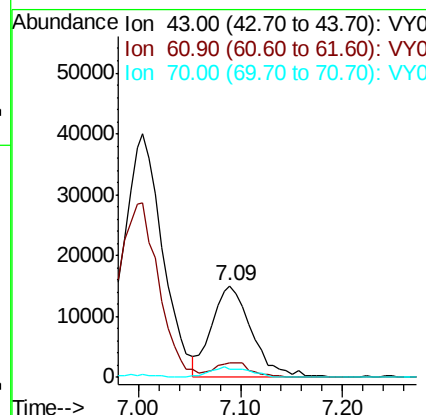
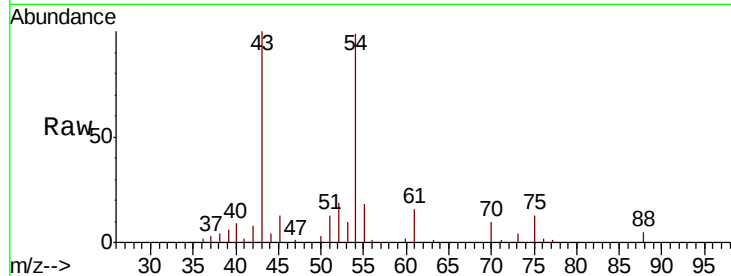
#37
Ethyl Acetate
Concen: 22.326 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	11.2	8.7	13.1

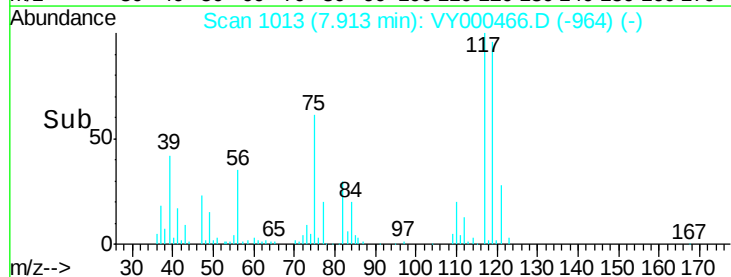
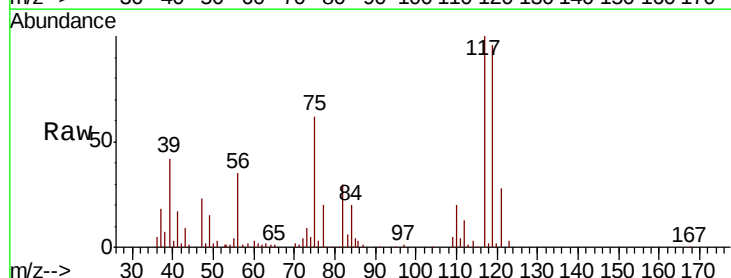
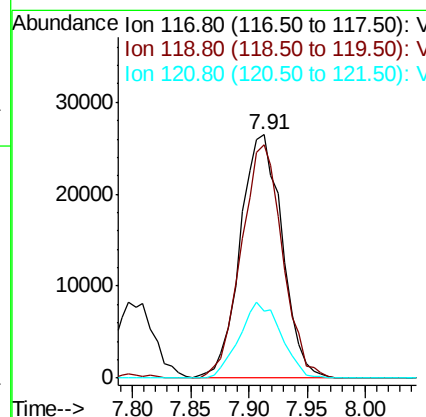
Manual Integrations
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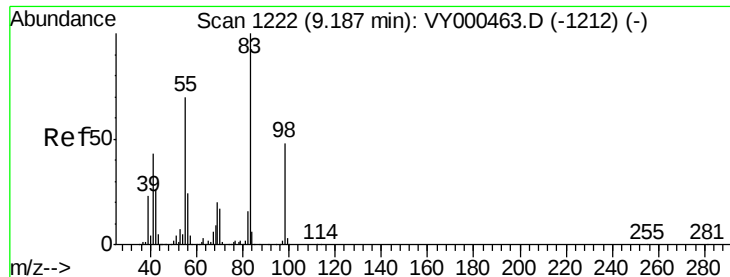
MMDadoda
10/30/2019 10:59:52 AM



#38
Carbon Tetrachloride
Concen: 21.995 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	72.8	109.2
121	27.6	22.2	33.2





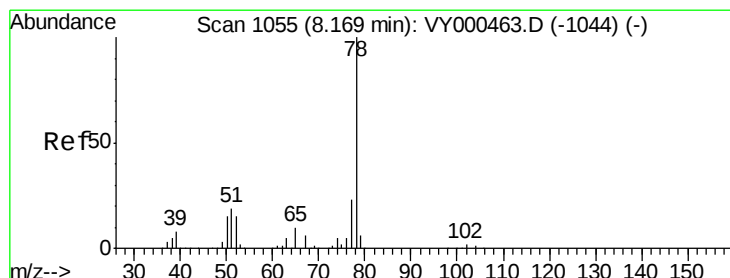
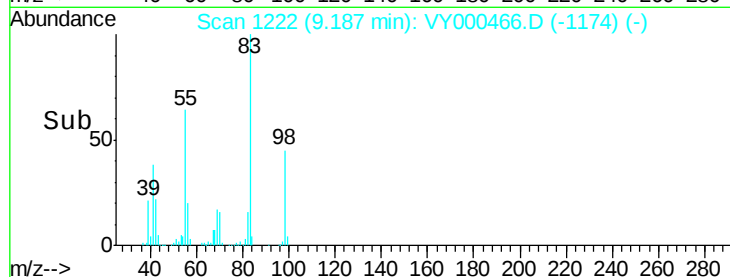
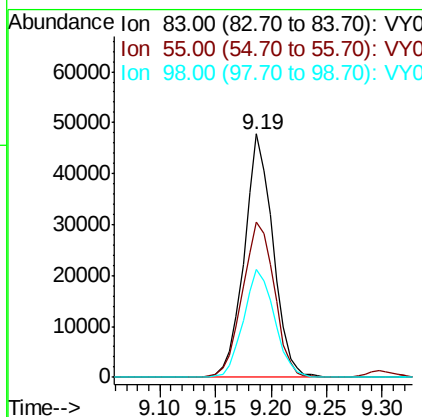
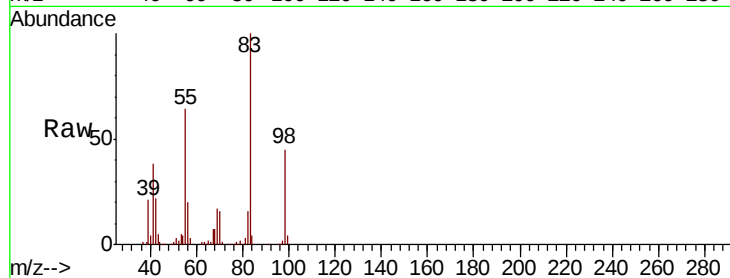
#39
Methvlcvclohexane
Concen: 21.049 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.6	60.9	91.3
98	44.5	41.8	62.6

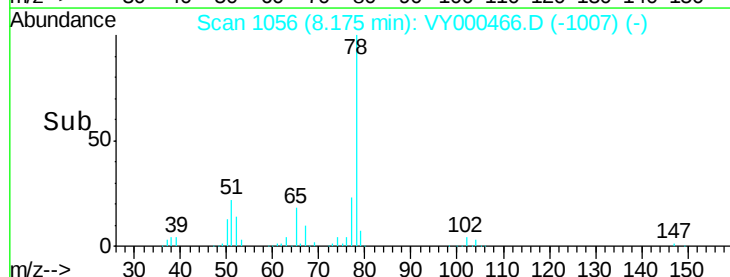
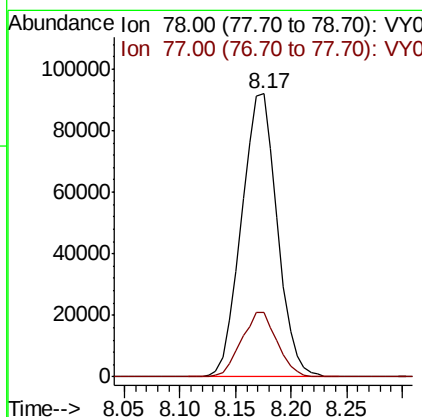
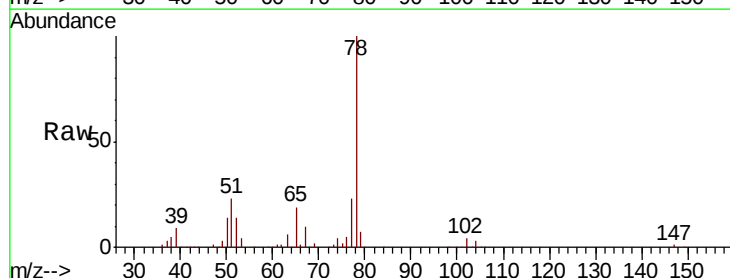
Manual Integrations
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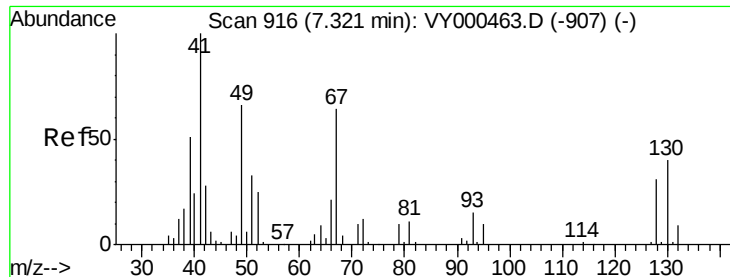
MMDadoda
10/30/2019 10:59:52 AM



#40
Benzene
Concen: 22.752 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





#41

Methacrylonitrile

Concen: 23.101 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 41 Resp: 20306

Ion Ratio Lower Upper

41 100

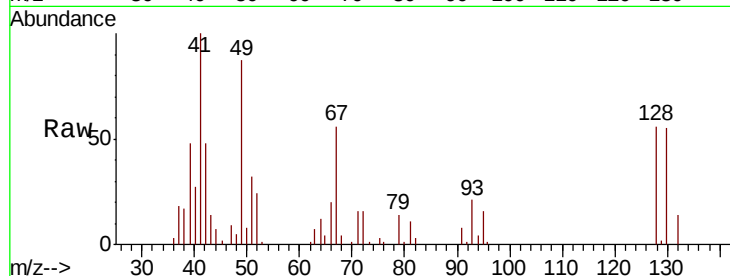
39 132.6 110.2 165.2

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:59:52 AM

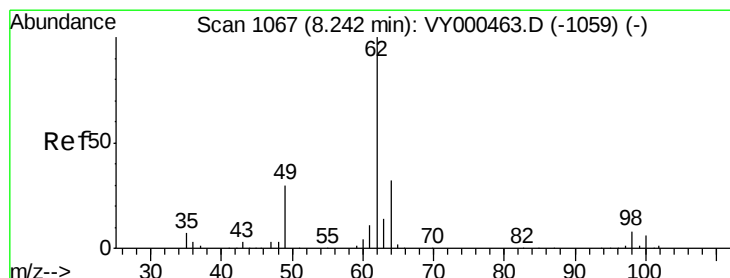
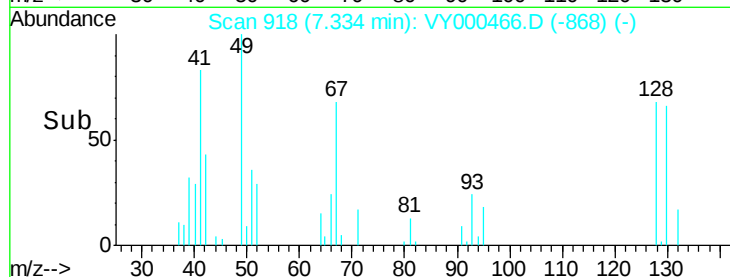
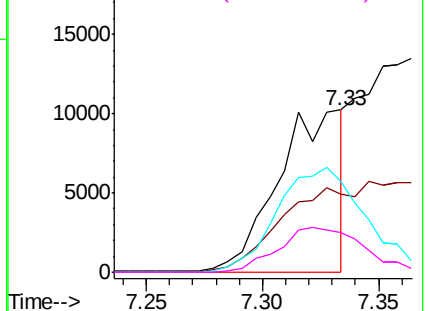


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 22.412 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000466.D

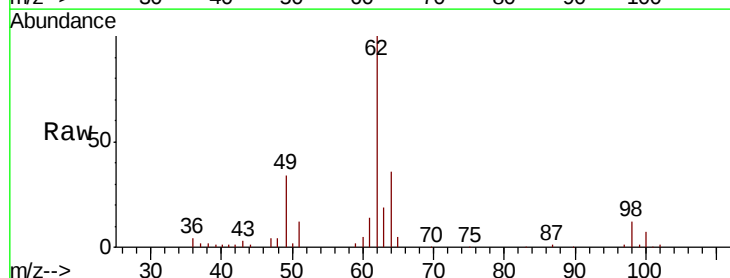
Acq: 29 Oct 2019 12:00

Tgt Ion: 62 Resp: 57699

Ion Ratio Lower Upper

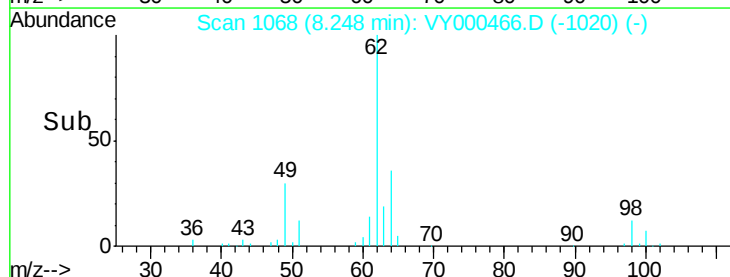
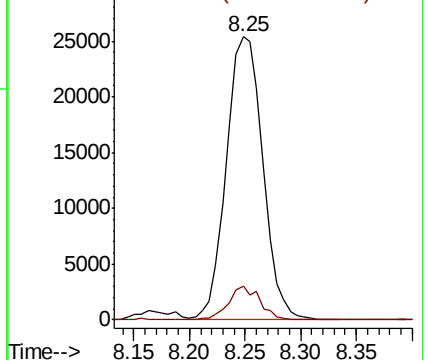
62 100

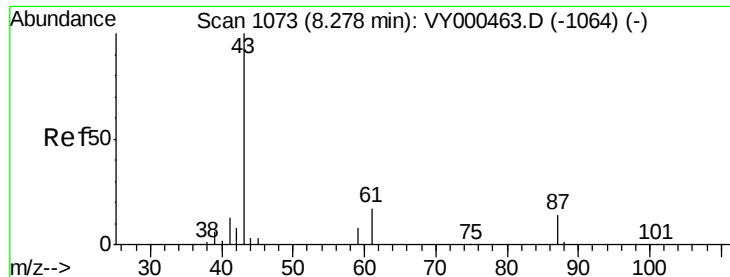
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 22.277 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

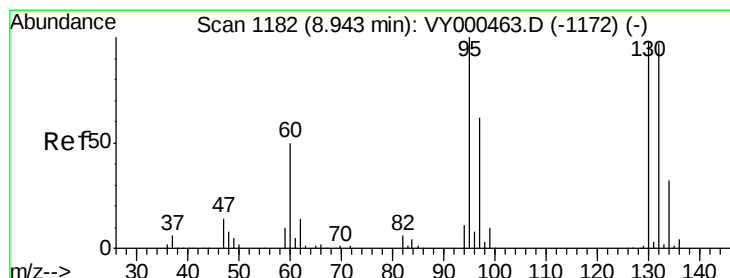
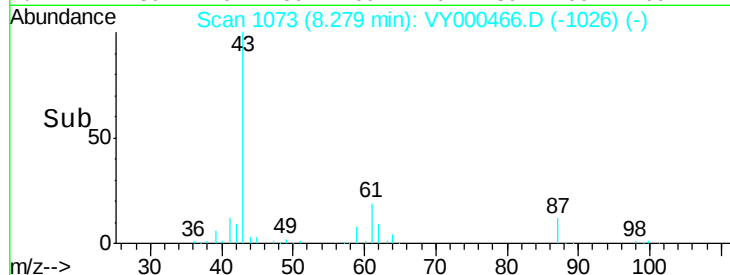
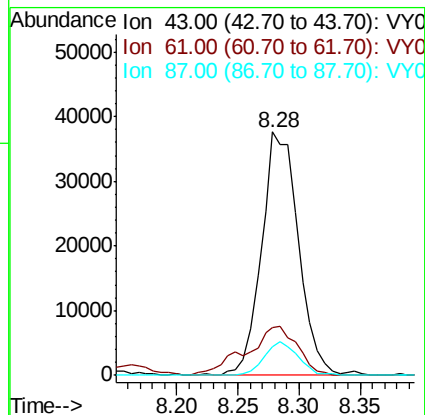
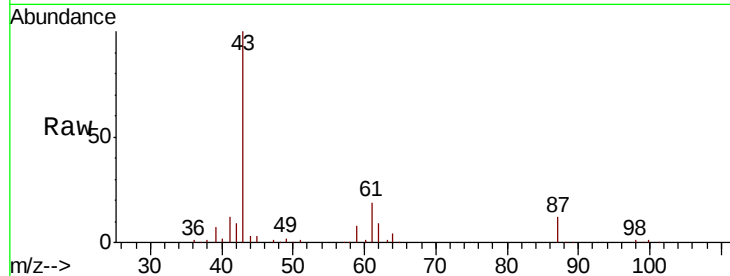
ClientSampleId :

VY1029SBS01

Tot Ion:	43	Resp:	78221
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.3	33.5
87	13.1	10.9	16.3

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#44

Trichloroethene

Concen: 21.462 ug/l

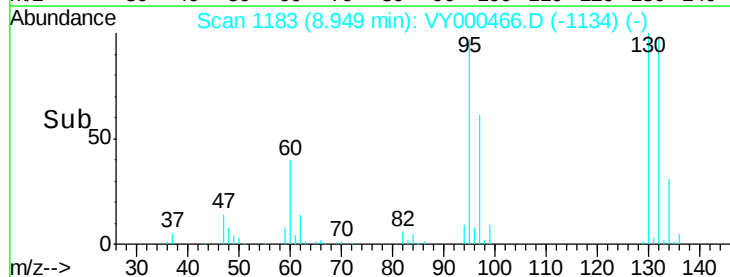
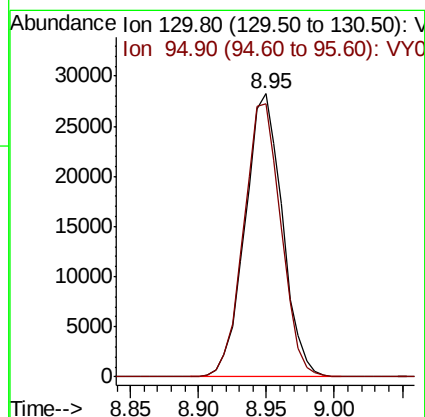
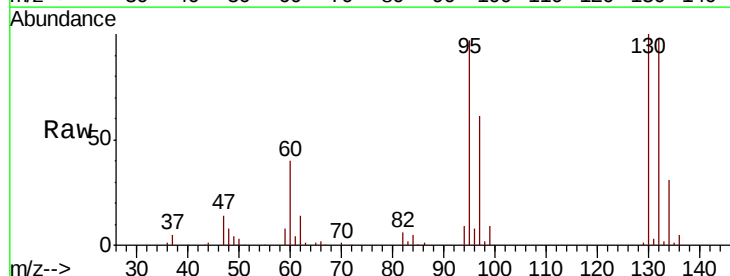
RT: 8.95 min Scan# 1183

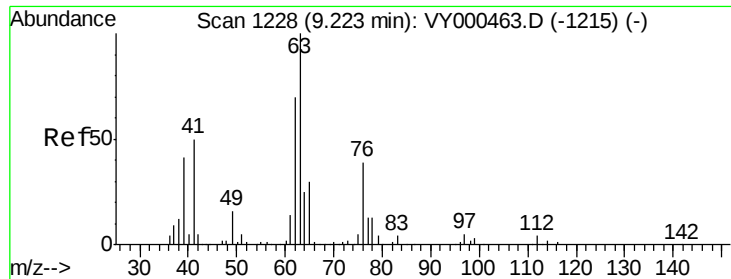
Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	130	Resp:	54273
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.4





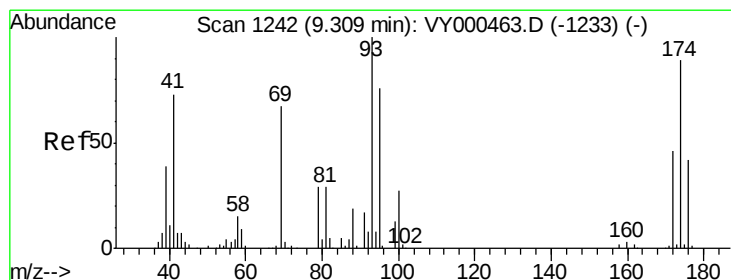
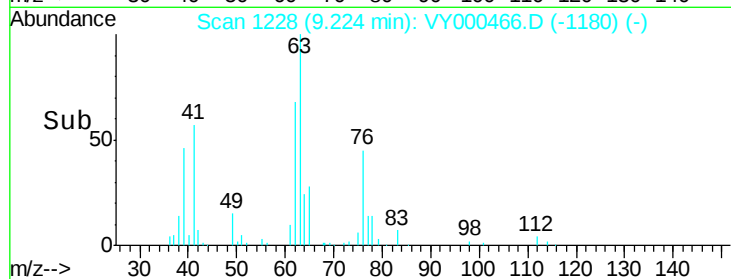
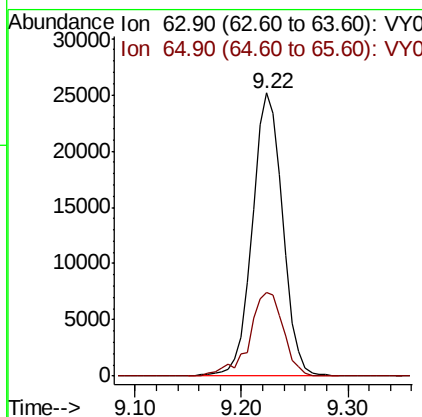
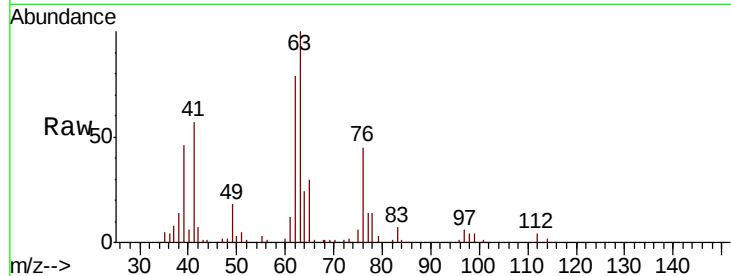
#45
 1,2-Dichloropropane
 Concen: 22.719 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion: 63 Resp: 50250
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.2 34.8

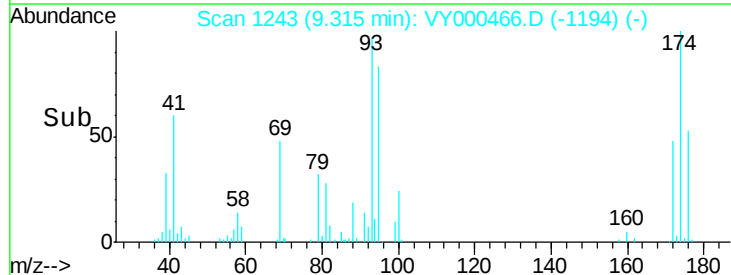
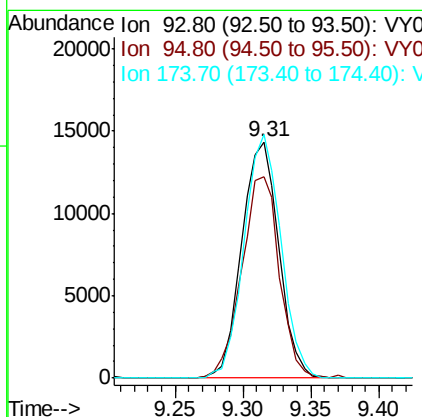
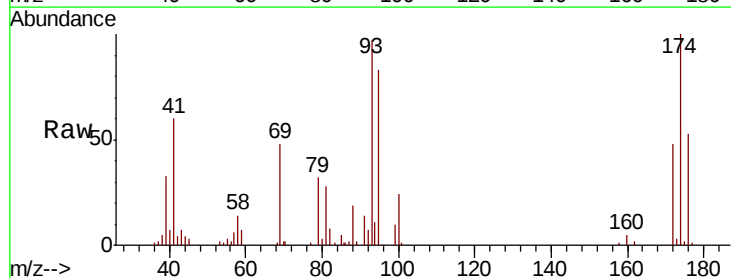
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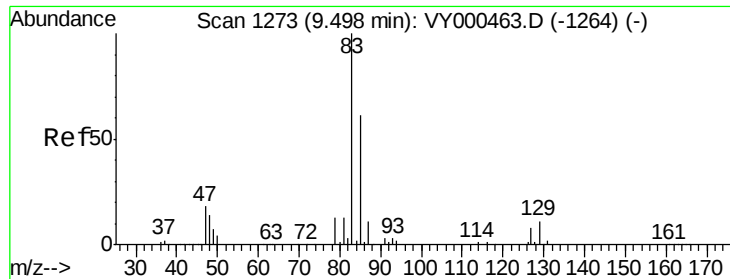
MMDadoda
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#46
 Dibromomethane
 Concen: 22.156 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion: 93 Resp: 27394
 Ion Ratio Lower Upper
 93 100
 95 86.3 68.2 102.2
 174 102.5 79.8 119.6





#47

Bromodichloromethane

Concen: 22.718 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

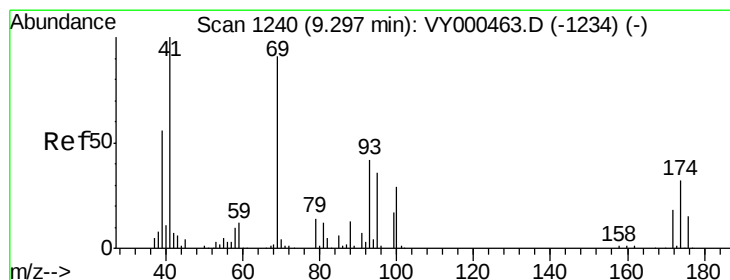
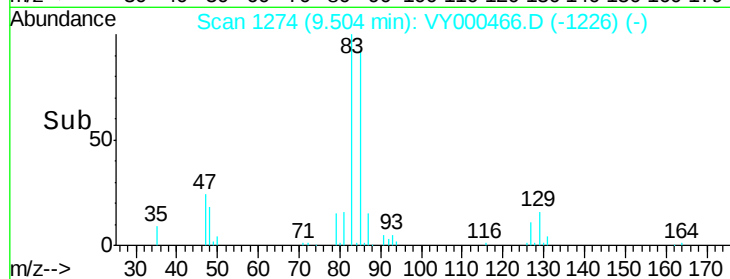
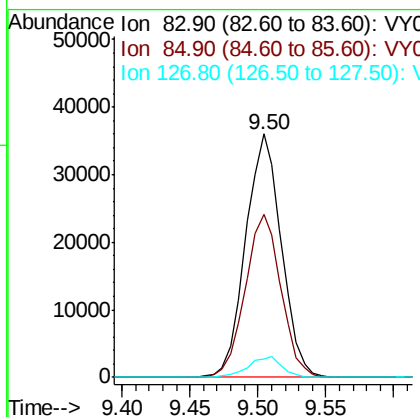
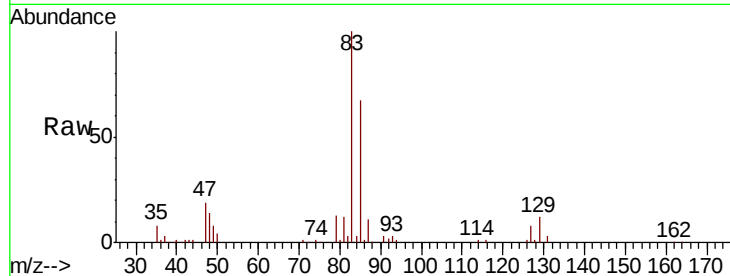
ClientSampleId :

VY1029SBS01

Tot Ion:	83	Resp:	66196
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.2
127	7.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.564 ug/l

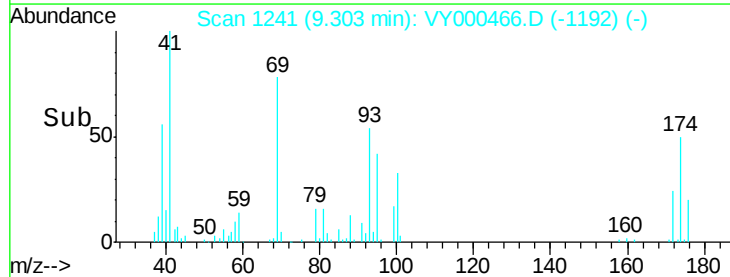
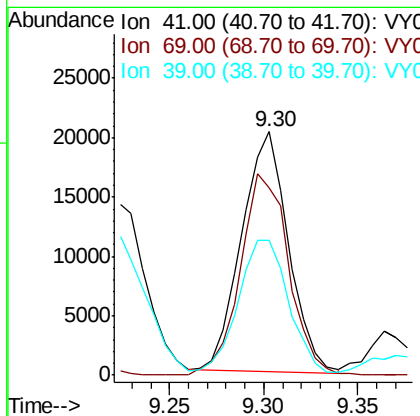
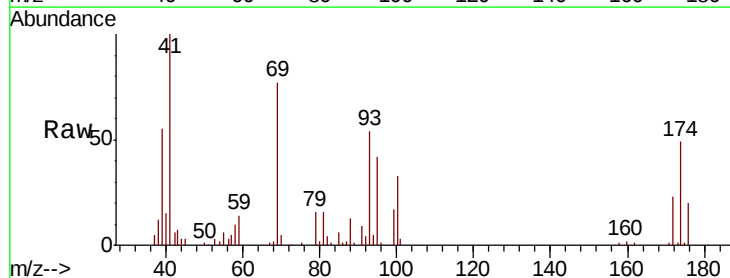
RT: 9.30 min Scan# 1241

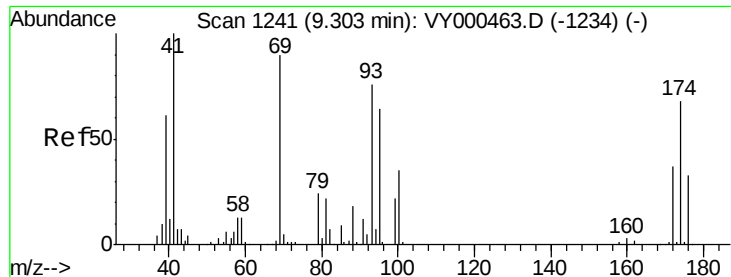
Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	41	Resp:	34722
Ion	Ratio	Lower	Upper
41	100		
69	86.9	70.0	105.0
39	61.9	47.7	71.5





#49

1,4-Dioxane

Concen: 369.988 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 88 Resp: 6859

Ion Ratio Lower Upper

88 100

43 39.9 25.6 38.4#

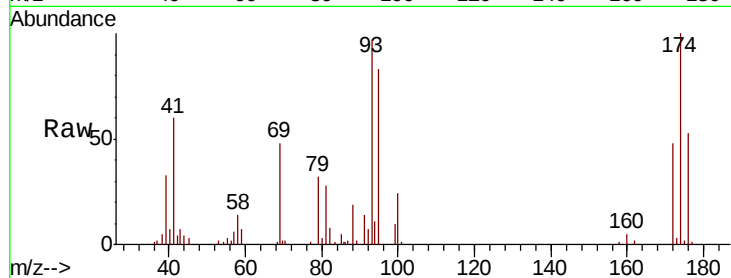
58 72.9 54.6 81.8

Manual Integrations

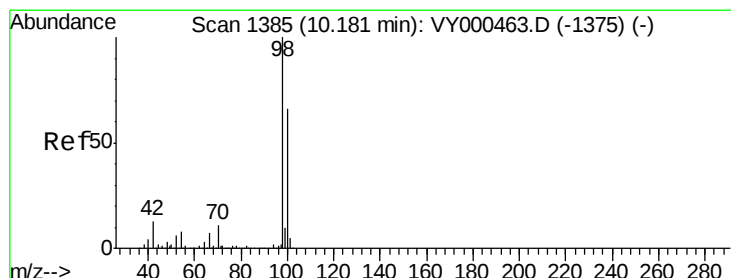
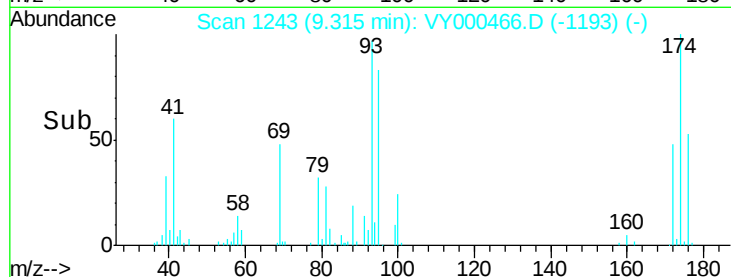
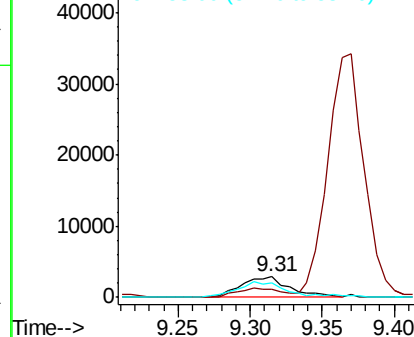
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Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 53.470 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000466.D

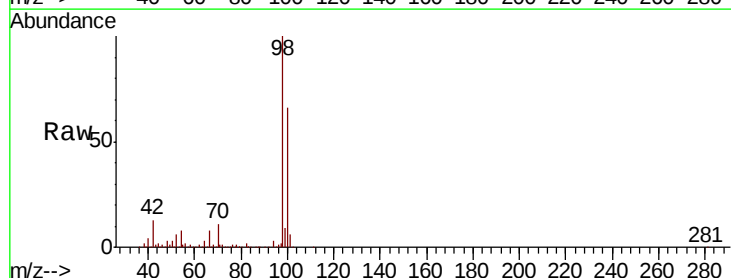
Acq: 29 Oct 2019 12:00

Tgt Ion: 98 Resp: 395219

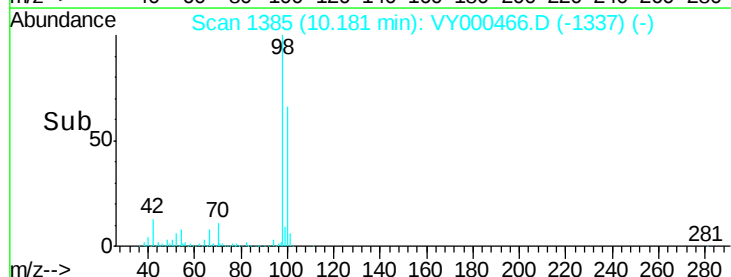
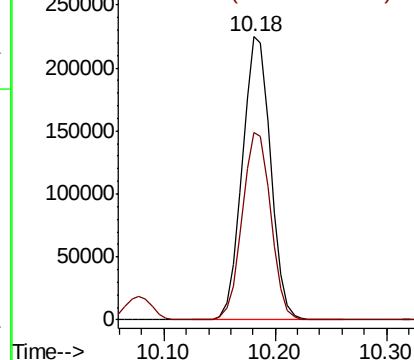
Ion Ratio Lower Upper

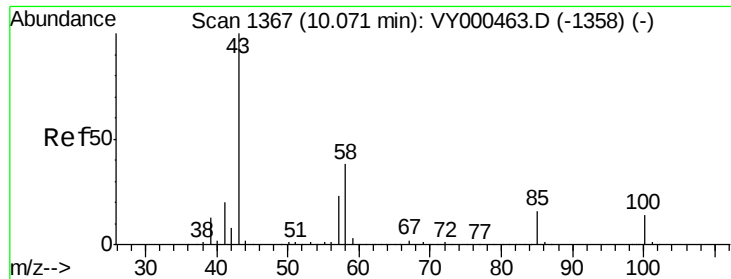
98 100

100 66.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 117.381 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 43 Resp: 212579

Ion Ratio Lower Upper

43 100

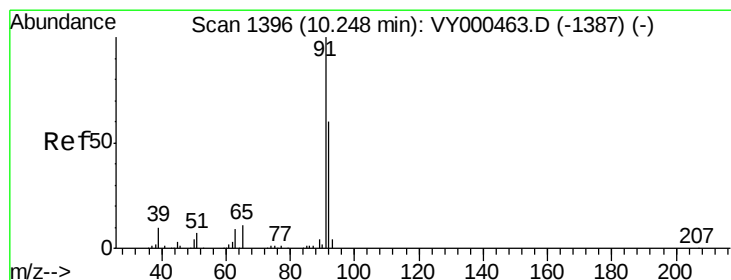
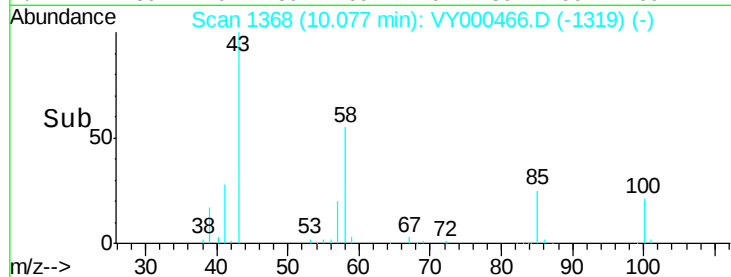
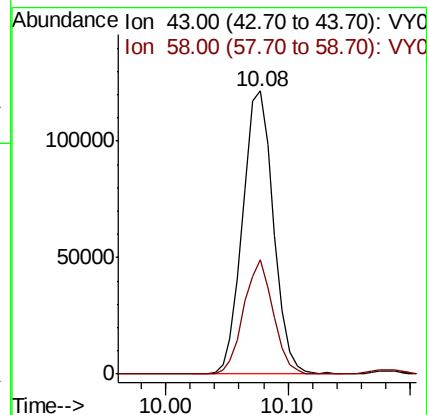
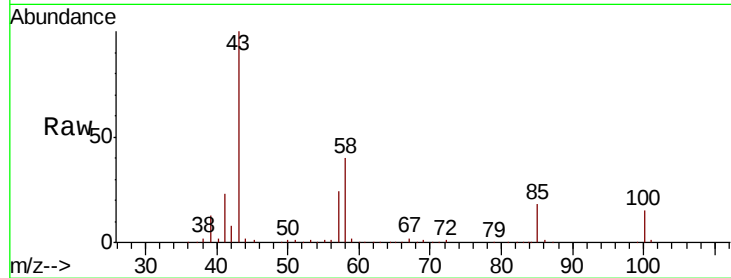
58 38.6 31.0 46.6

Manual Integrations

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#52

Toluene

Concen: 22.470 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000466.D

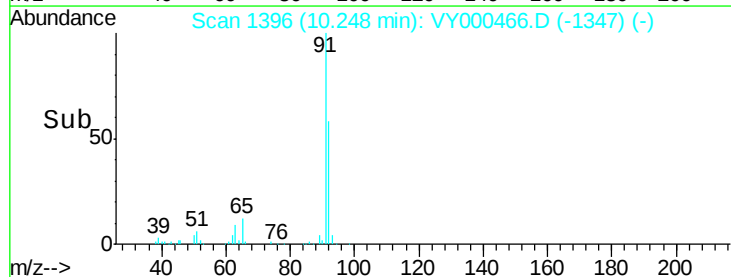
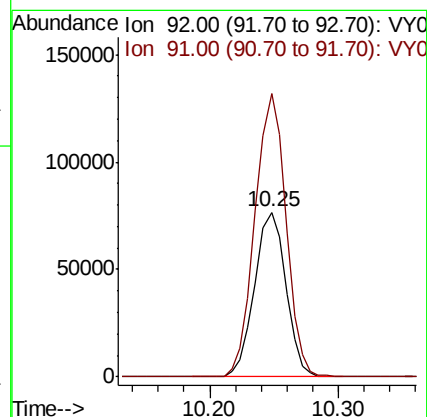
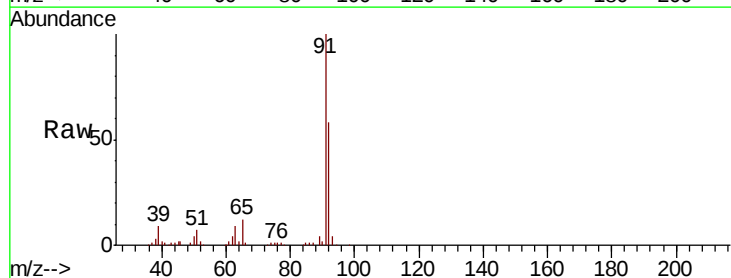
Acq: 29 Oct 2019 12:00

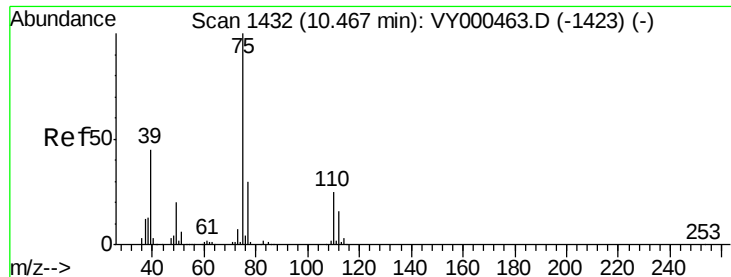
Tgt Ion: 92 Resp: 128576

Ion Ratio Lower Upper

92 100

91 170.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 22.832 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion: 75 Resp: 71299

Ion Ratio Lower Upper

75 100

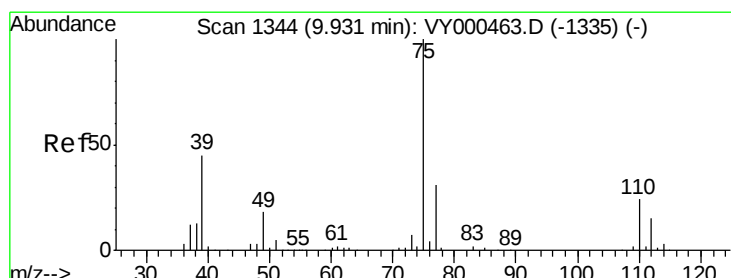
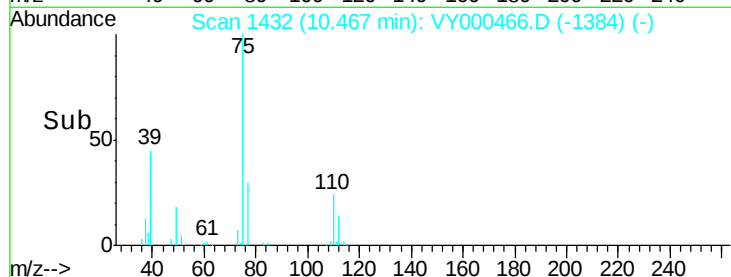
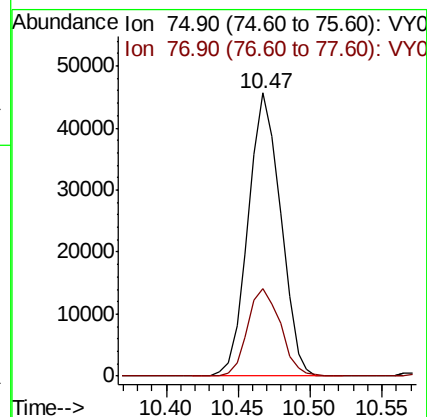
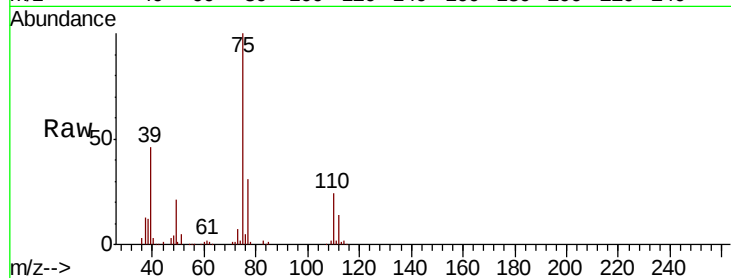
77 30.8 26.0 39.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.982 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

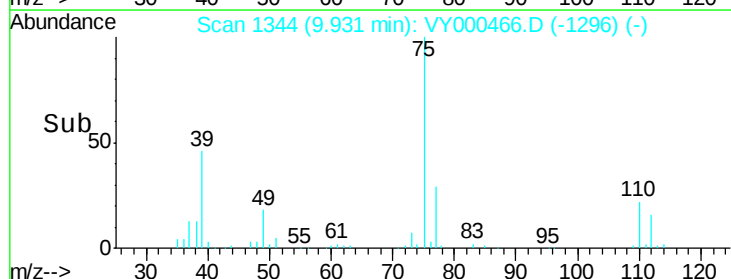
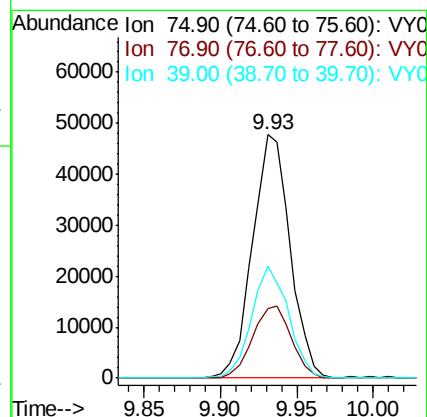
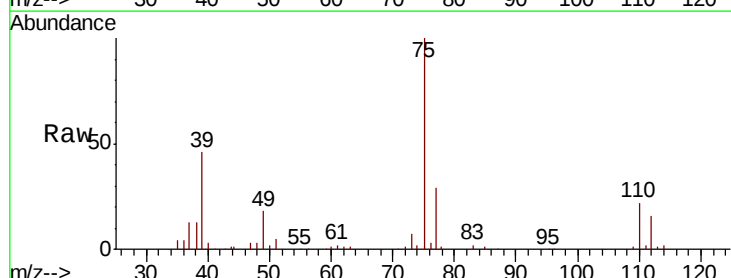
Tgt Ion: 75 Resp: 81503

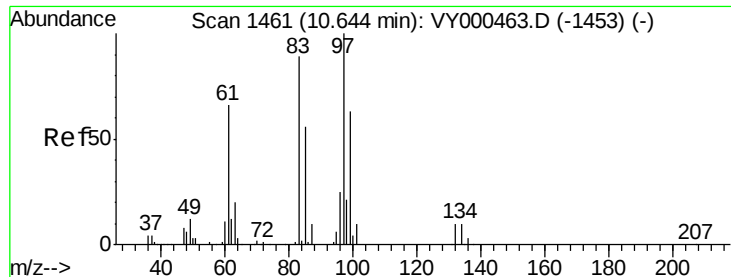
Ion Ratio Lower Upper

75 100

77 28.8 26.0 39.0

39 45.7 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 22.921 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

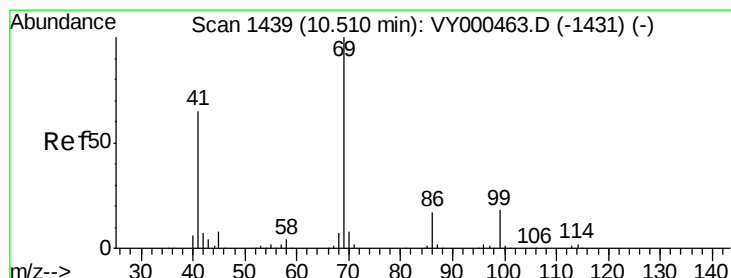
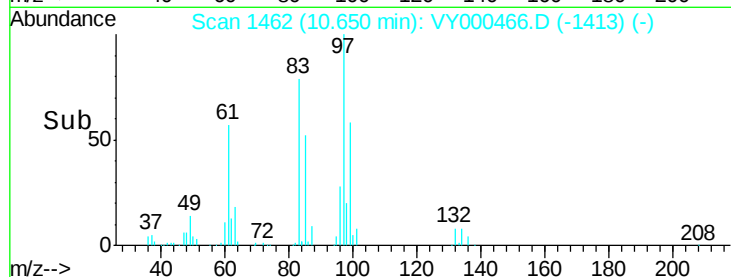
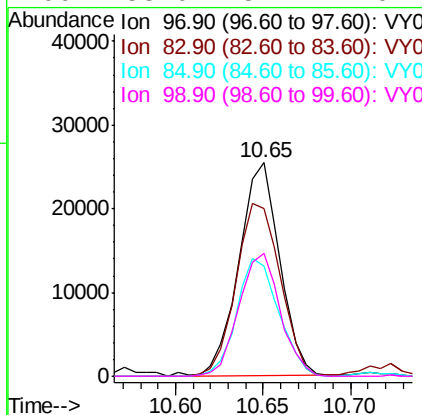
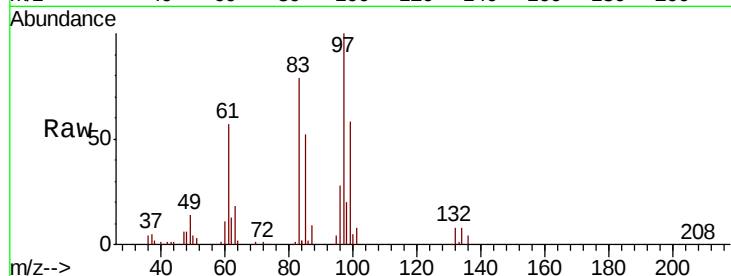
ClientSampleId :

VY1029SBS01

Tot Ion:	97	Resp:	41205
Ion	Ratio	Lower	Upper
97	100		
83	78.8	69.0	103.6
85	51.9	46.2	69.4
99	58.0	51.1	76.7

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#56

Ethyl methacrylate

Concen: 22.510 ug/l

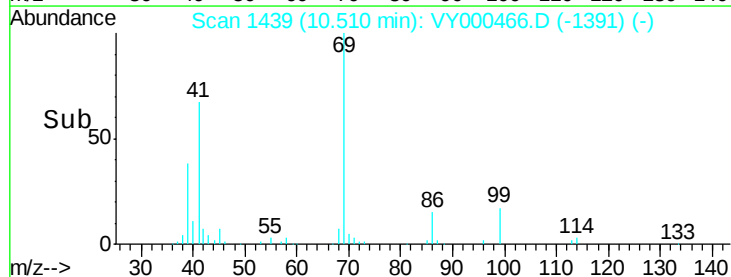
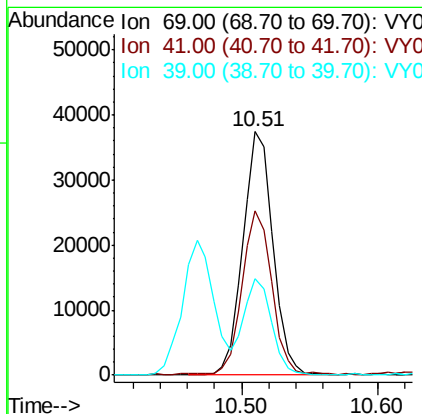
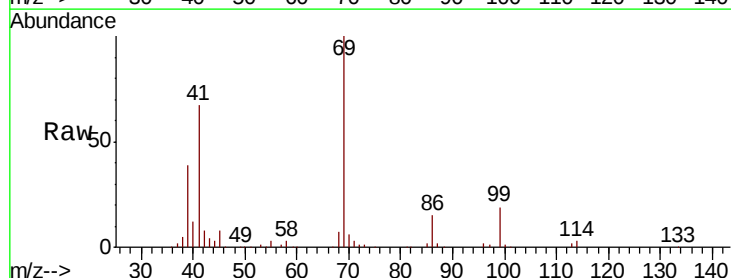
RT: 10.51 min Scan# 1439

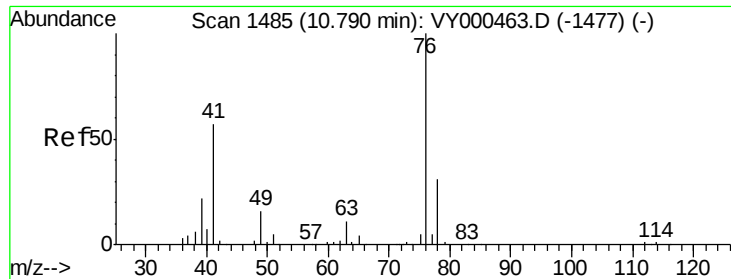
Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	69	Resp:	57678
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.5	78.7
39	36.9	26.7	40.1





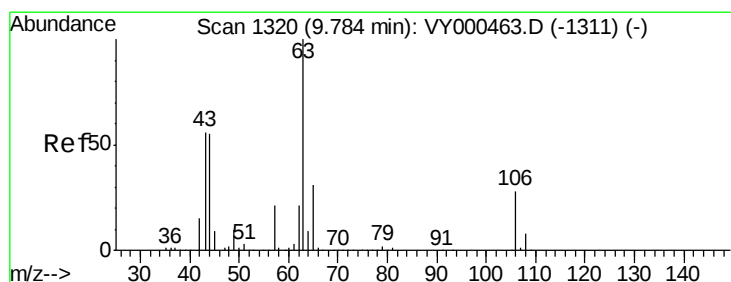
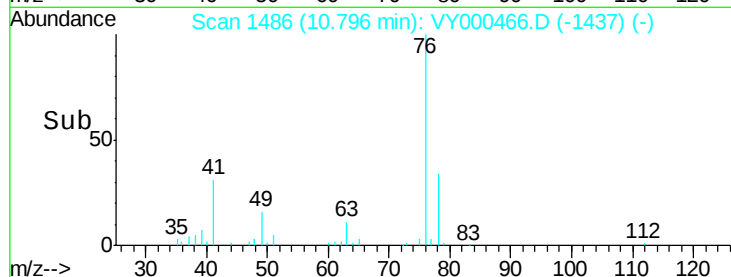
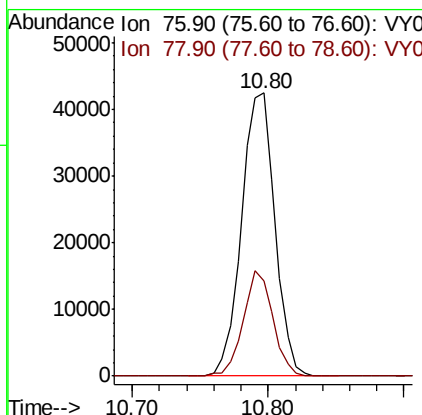
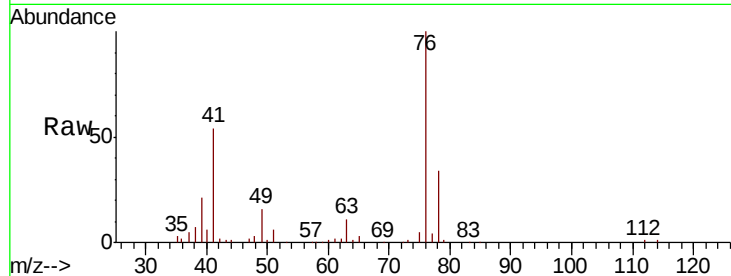
#57
 1,3-Dichloropropane
 Concen: 23.551 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion: 76 Resp: 72710
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

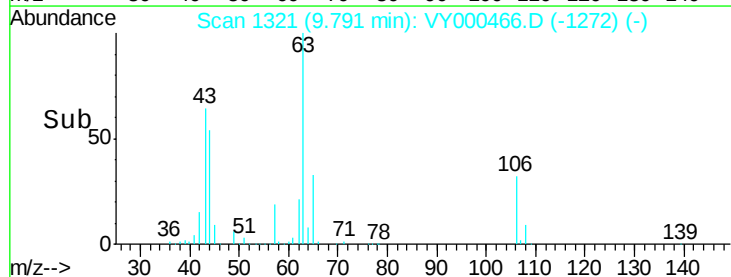
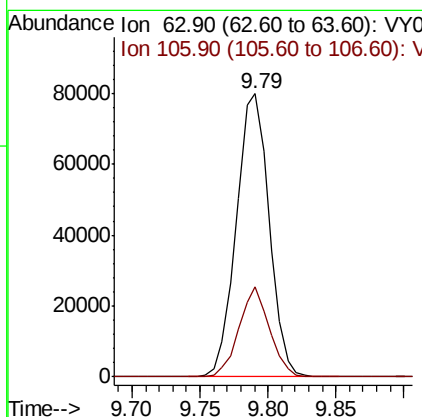
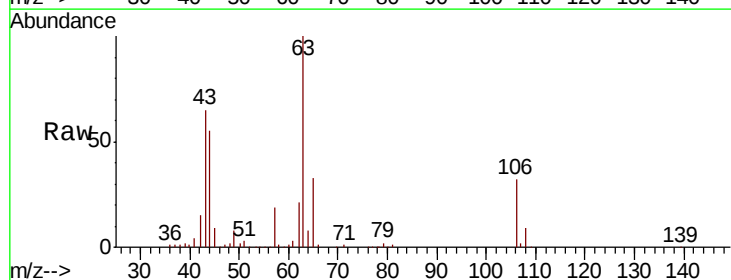
Manual Integrations
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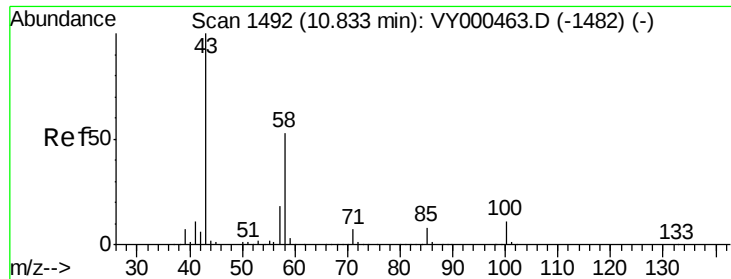
MMDadoda
 10/30/2019 10:59:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 131.602 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion: 63 Resp: 134503
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.4





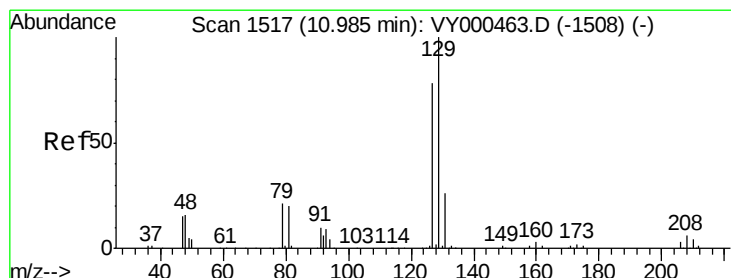
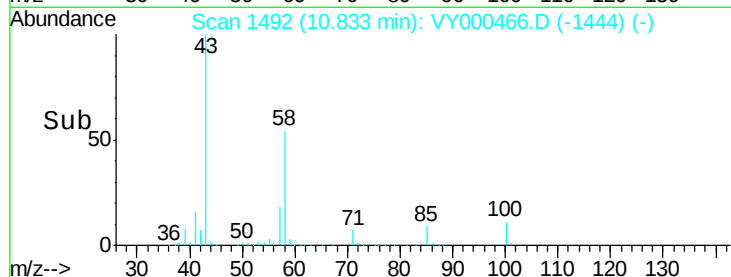
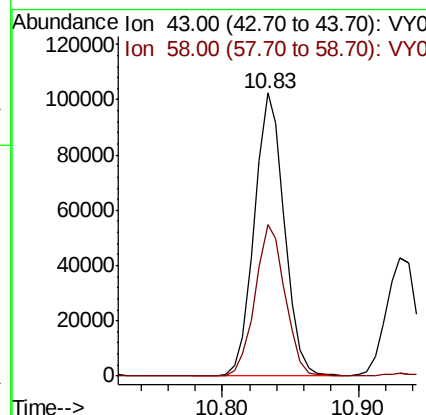
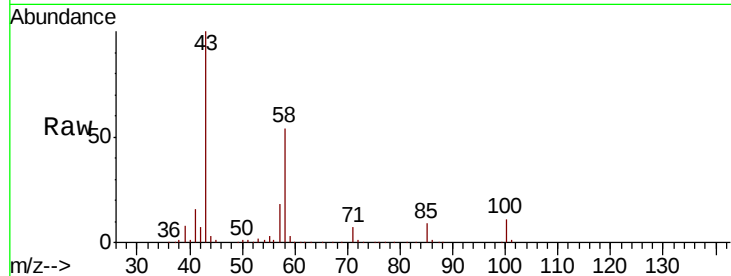
#59
2-Hexanone
Concen: 124.864 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion: 43 Resp: 158724
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.1

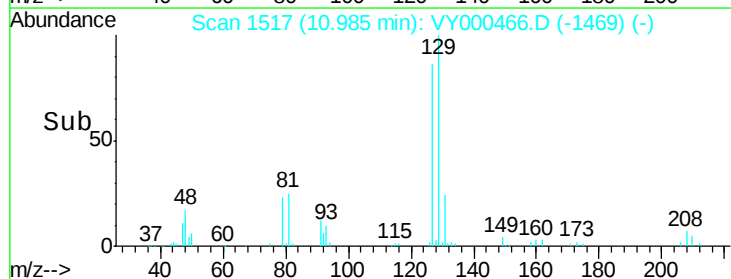
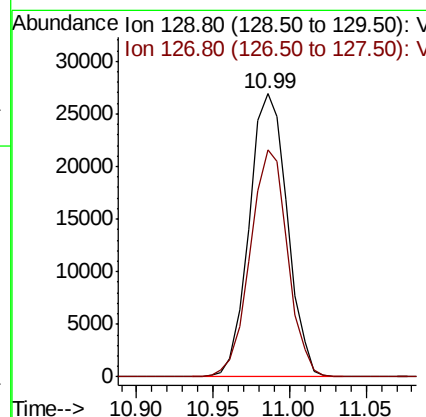
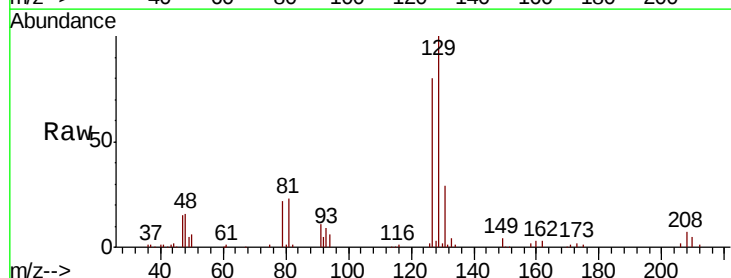
Manual Integrations
APPROVED

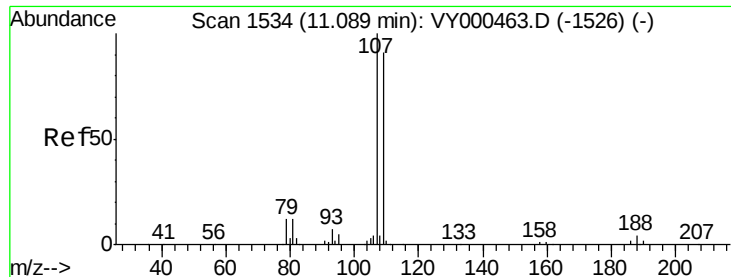
MMDadoda
10/30/2019 10:59:52 AM



#60
Dibromochloromethane
Concen: 23.409 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion: 129 Resp: 46643
Ion Ratio Lower Upper
129 100
127 78.9 39.9 119.7





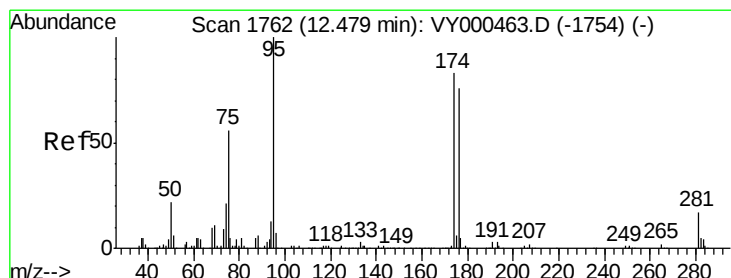
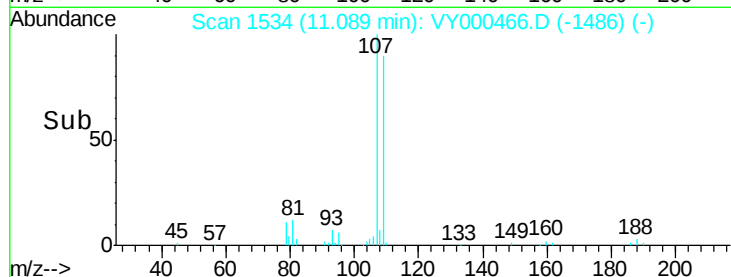
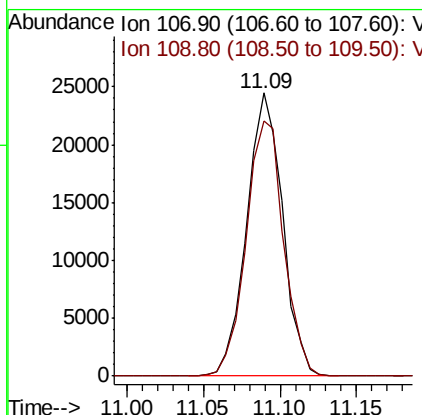
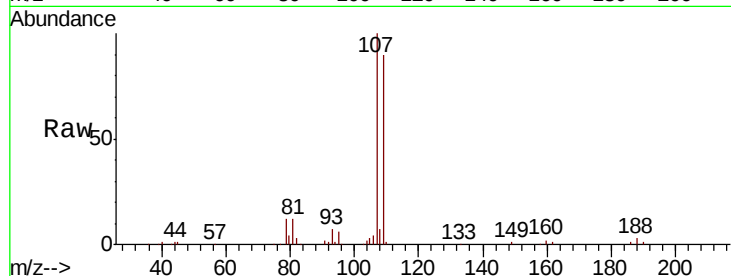
#61
 1,2-Dibromoethane
 Concen: 23.152 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.1	112.7

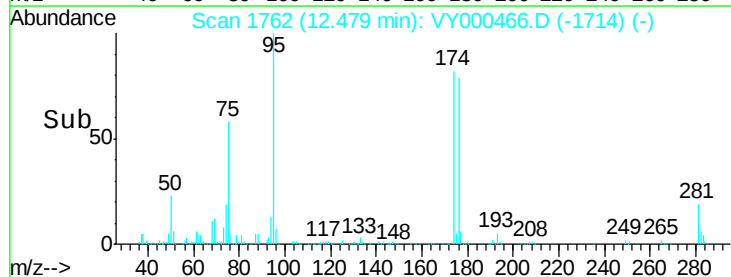
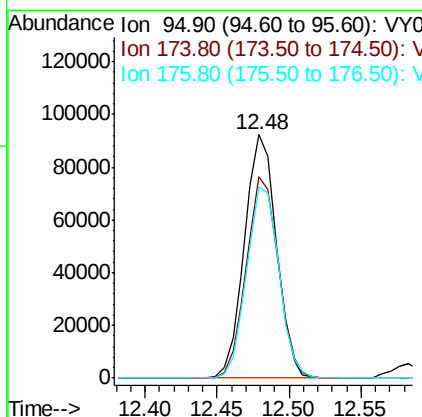
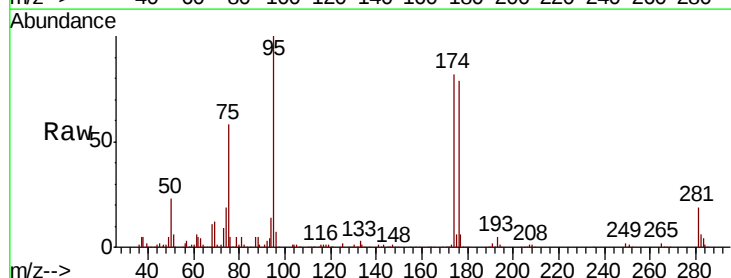
Manual Integrations
 APPROVED

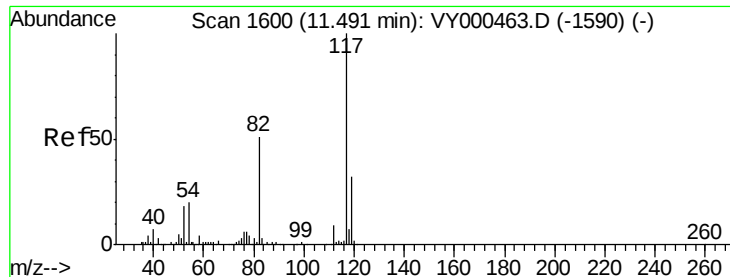
MMDadoda
 10/30/2019 10:59:52 AM



#62
 4-Bromofluorobenzene
 Concen: 50.363 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	159.6
176	79.3	0.0	153.8





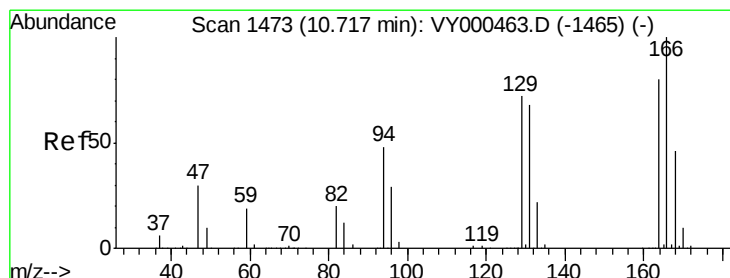
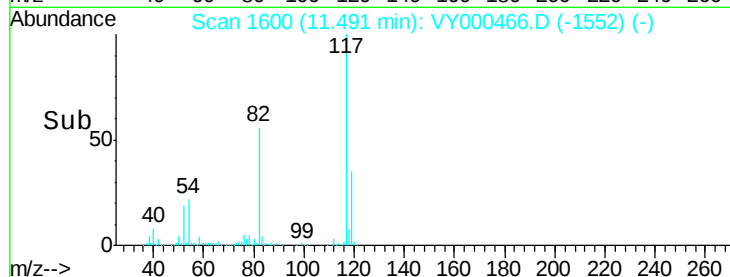
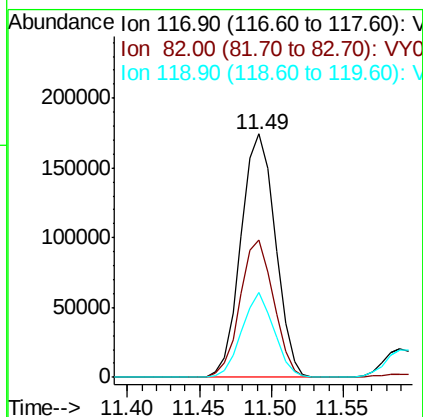
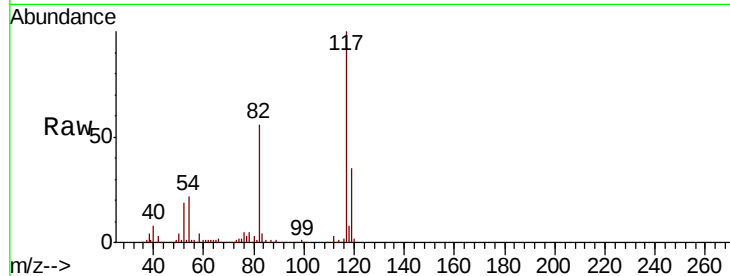
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289318		
82	56.2		43.7	65.5
119	35.0		26.6	39.8

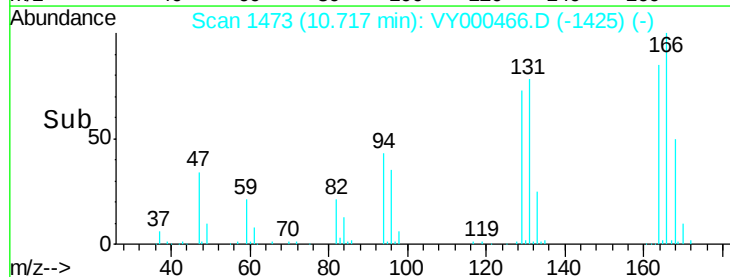
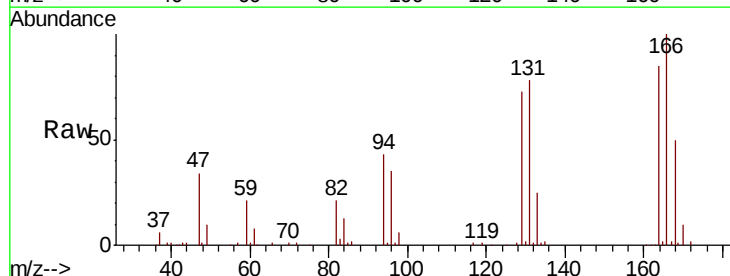
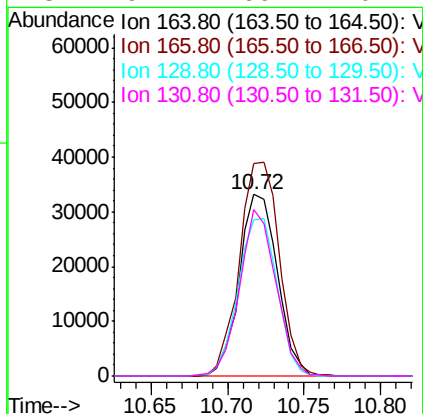
Manual Integrations
APPROVED

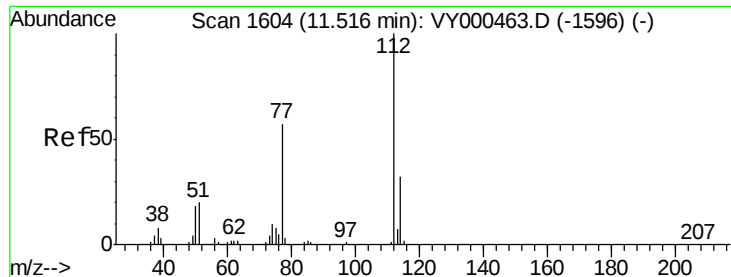
MMDadoda
10/30/2019 10:59:52 AM



#64
Tetrachloroethene
Concen: 20.790 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57264		
166	117.0		100.6	151.0
129	86.0		72.8	109.2
131	91.7		69.4	104.2





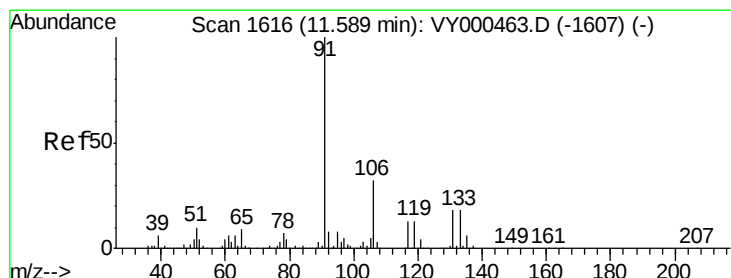
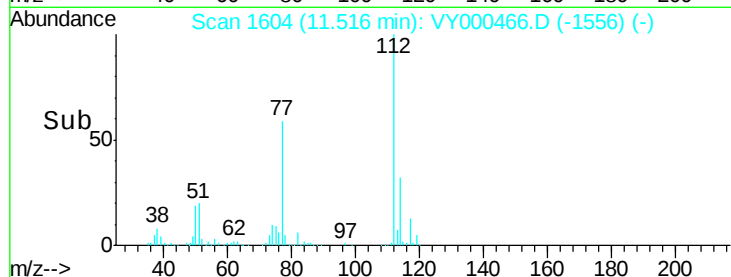
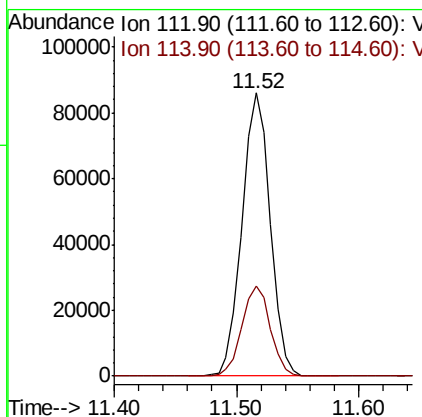
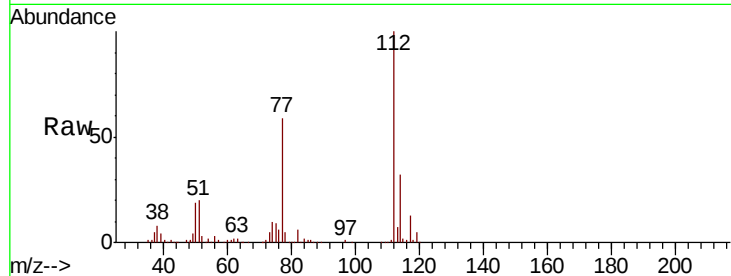
#65
Chlorobenzene
Concen: 22.523 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

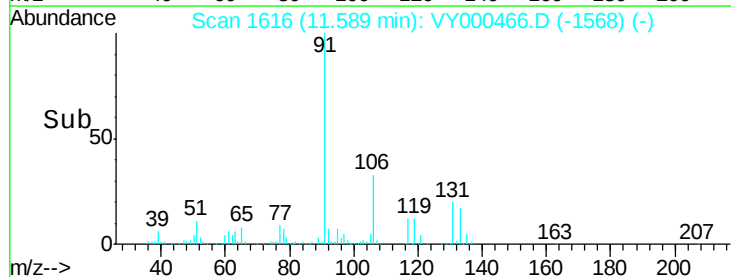
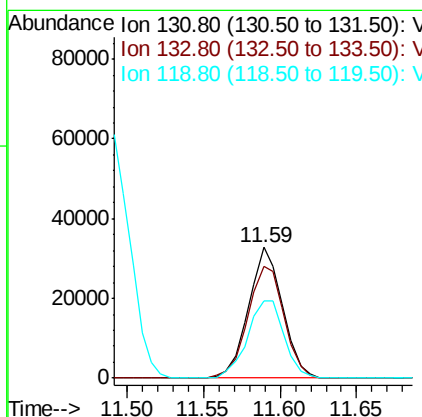
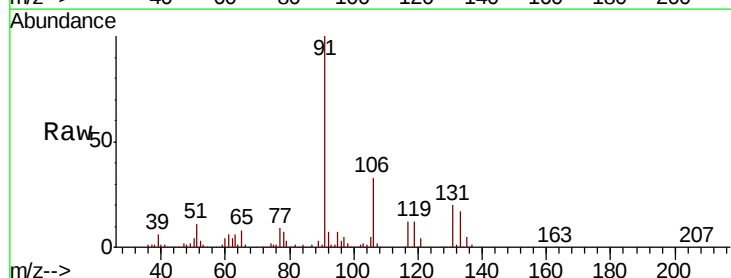
Manual Integrations
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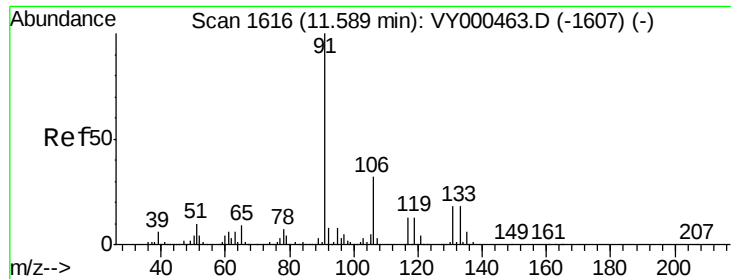
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.636 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.5	47.2	141.6
119	64.1	32.6	98.0





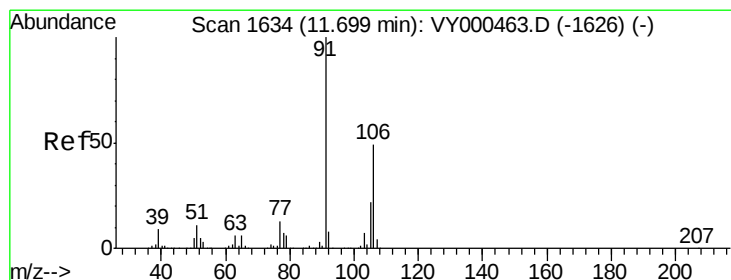
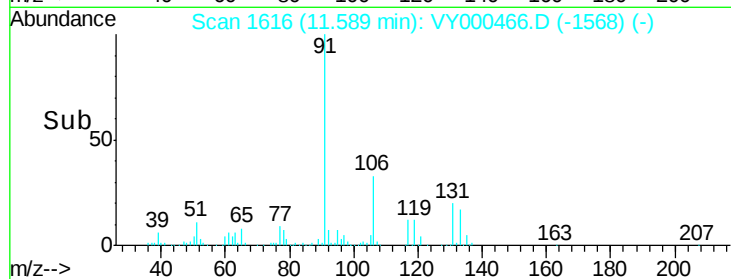
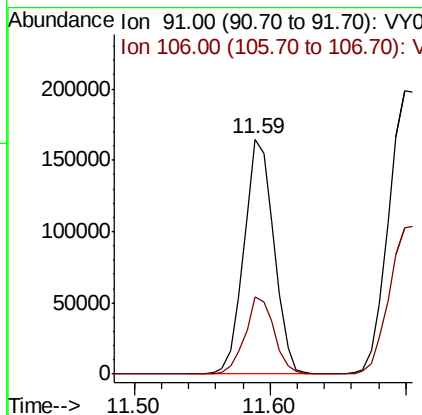
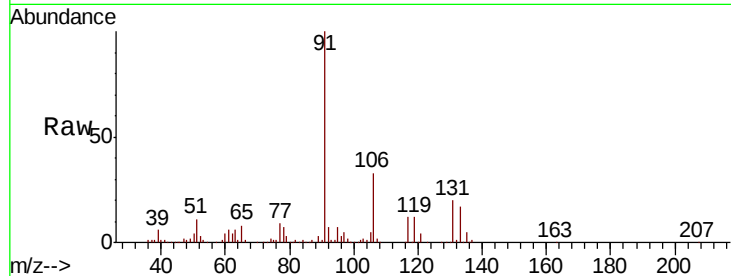
#67
Ethyl Benzene
Concen: 22.365 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion: 91 Resp: 253148
Ion Ratio Lower Upper
91 100
106 33.0 25.0 37.6

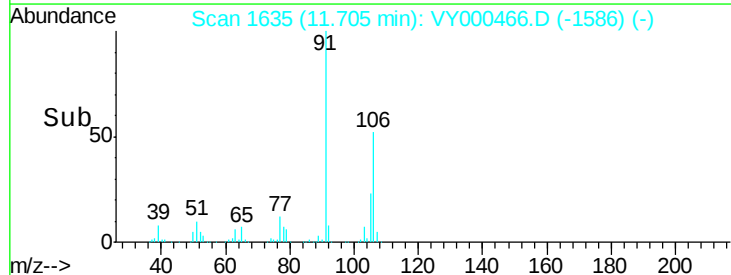
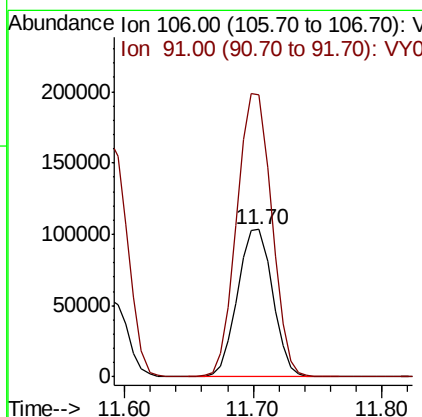
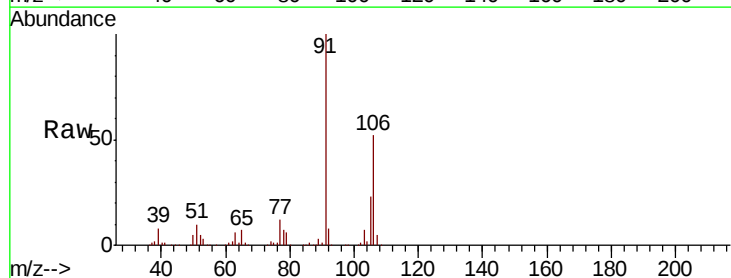
Manual Integrations
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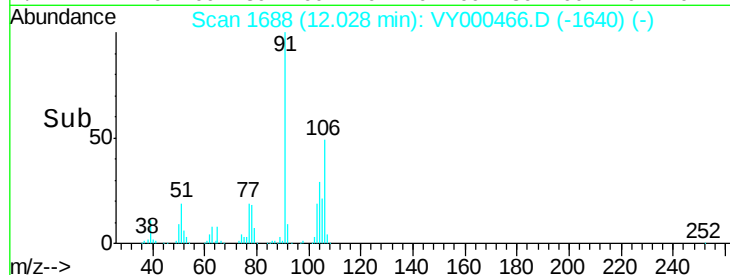
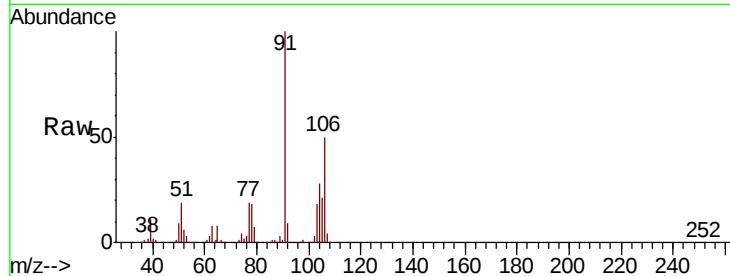
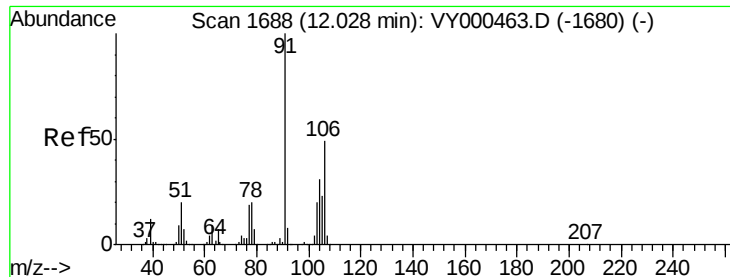
MMDadoda
10/30/2019 10:59:52 AM



#68
m/p-Xylenes
Concen: 45.134 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion: 106 Resp: 195297
Ion Ratio Lower Upper
106 100
91 191.7 157.5 236.3





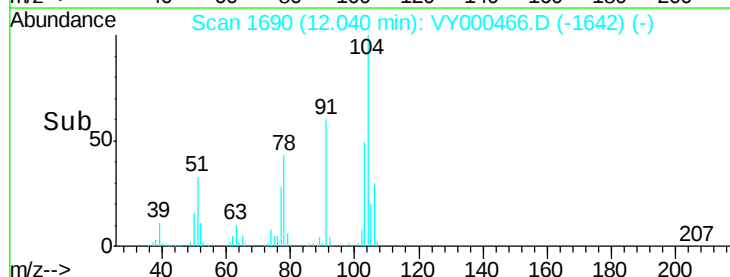
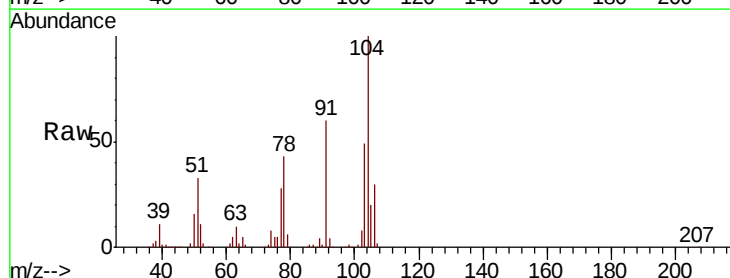
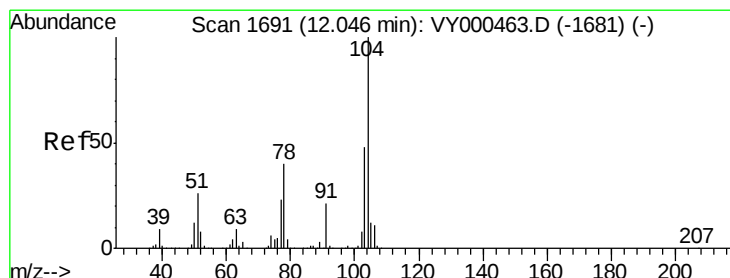
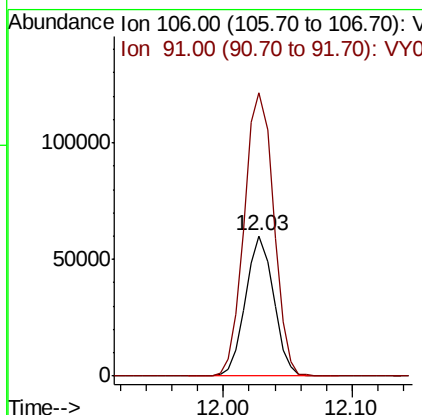
#69
o-Xylene
Concen: 21.909 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tot Ion:106 Resp: 90437
Ion Ratio Lower Upper
106 100
91 211.9 104.7 313.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

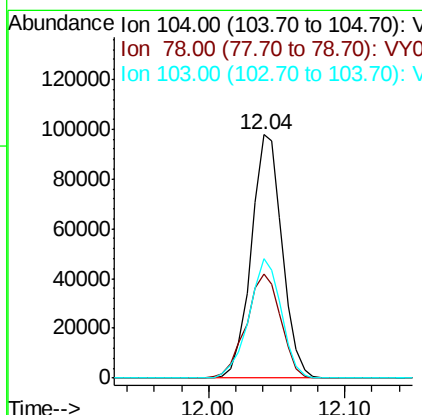
Manual Integrations
APPROVED

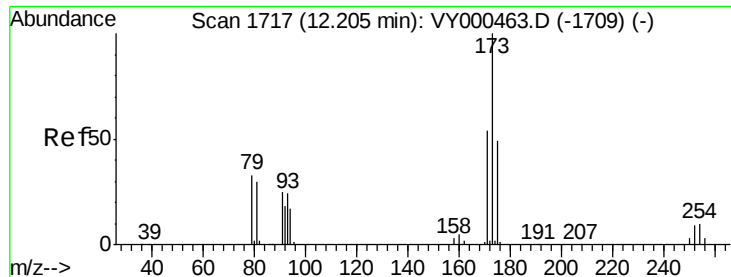
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#70
Styrene
Concen: 22.474 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion:104 Resp: 156457
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.6
103 51.2 43.1 64.7





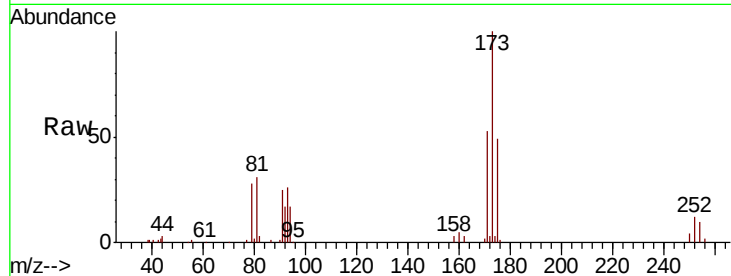
#71
Bromoform
Concen: 22.598 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.2	0.1	0.1#

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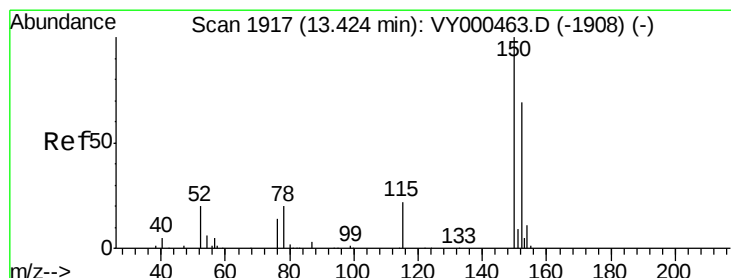
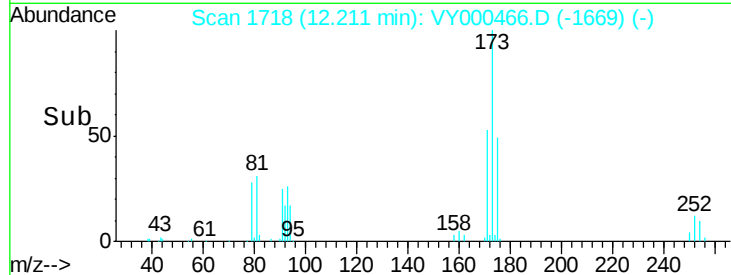
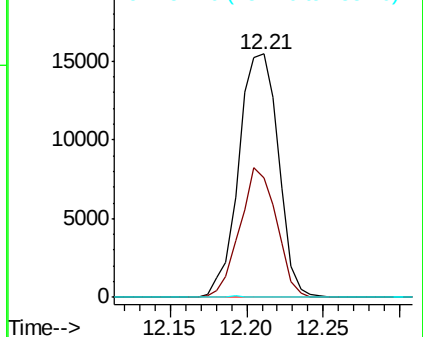


Abundance

Ion 172.70 (172.40 to 173.40): V

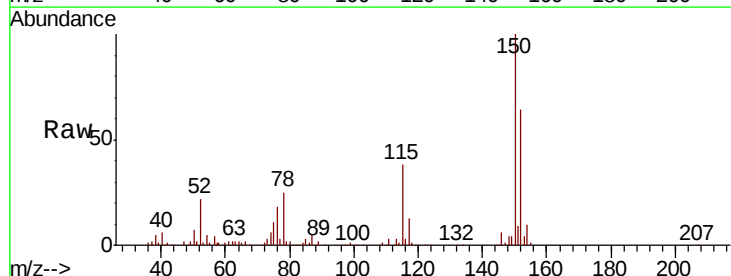
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.3	88.0
150	160.6	0.0	348.4

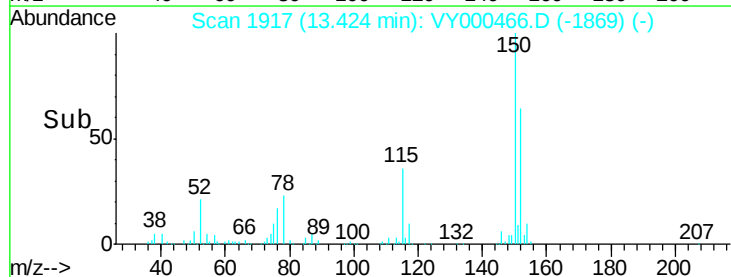
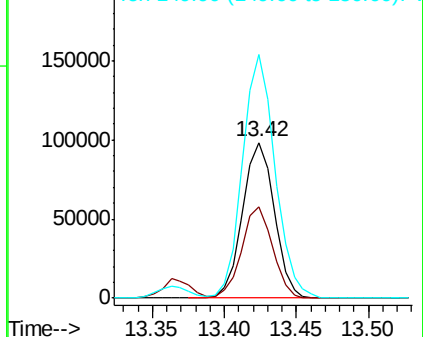


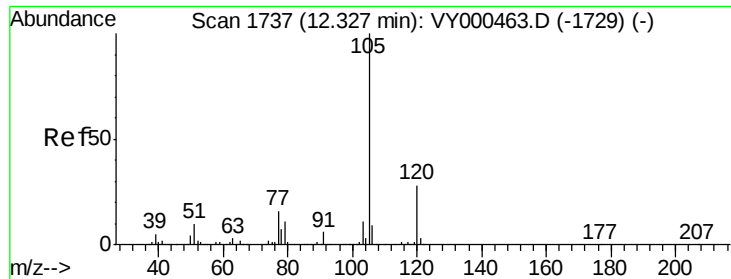
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





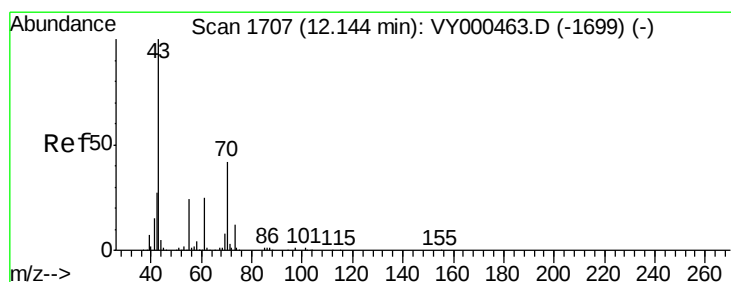
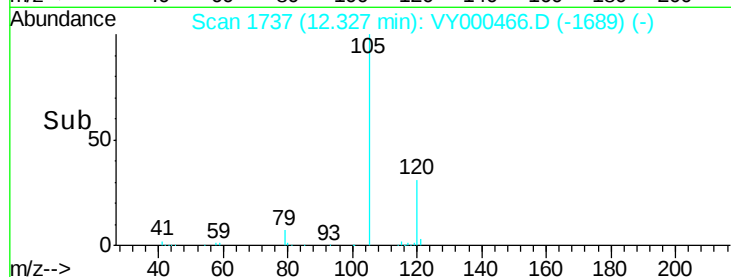
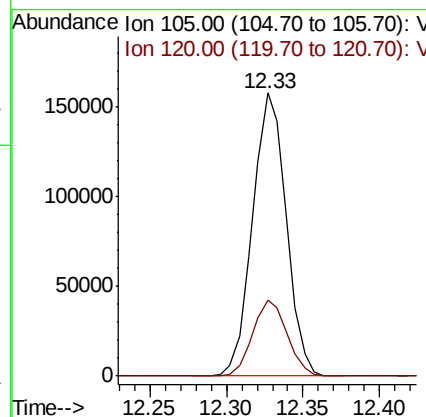
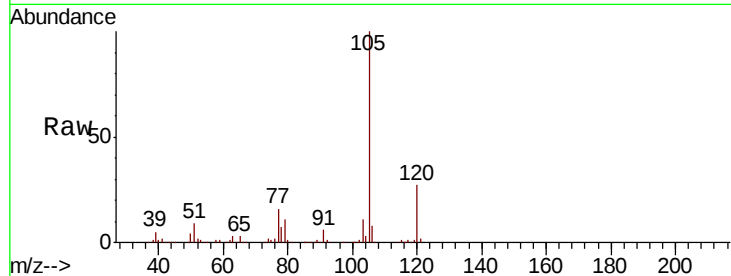
#73
Isopropylbenzene
Concen: 20.679 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.4	40.2

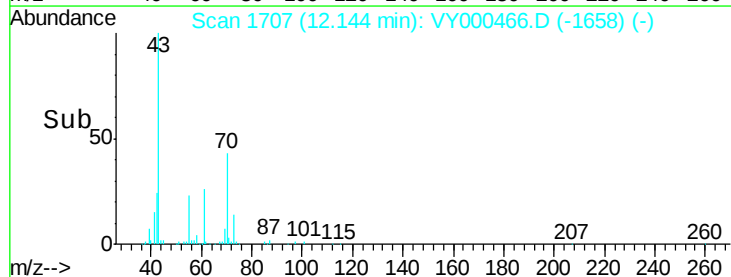
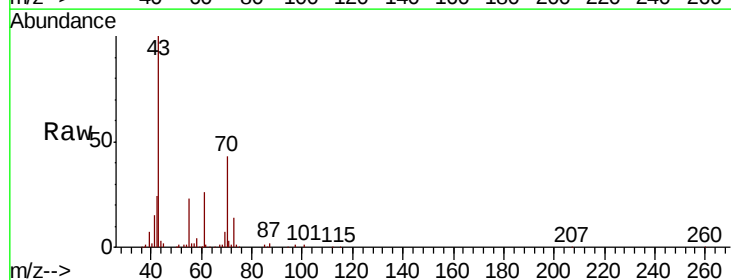
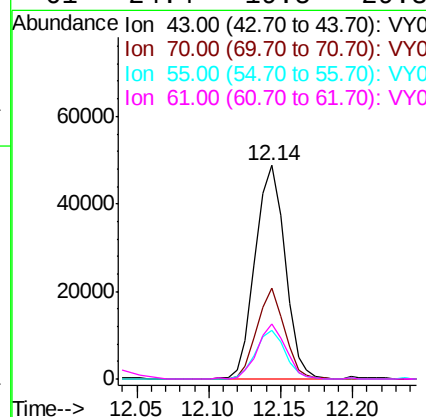
Manual Integrations
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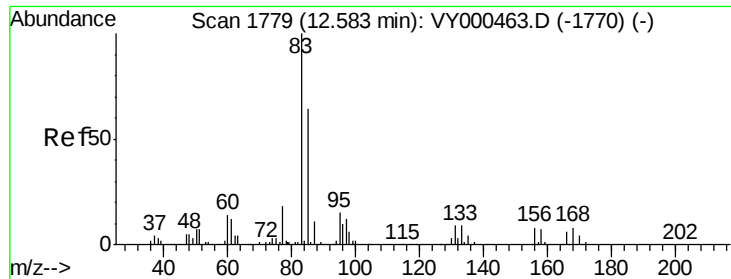
MMDadoda
10/30/2019 10:59:52 AM



#74
N-ethyl acetate
Concen: 24.436 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.9	49.3
55	22.7	17.8	26.6
61	24.4	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.050 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

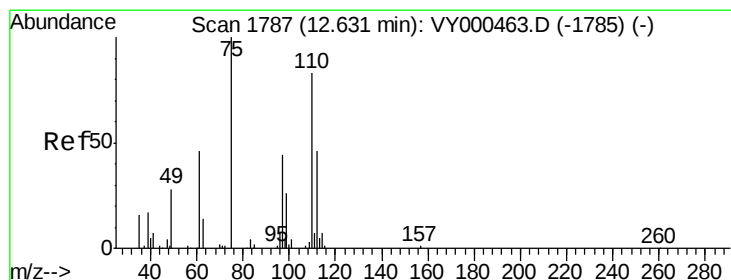
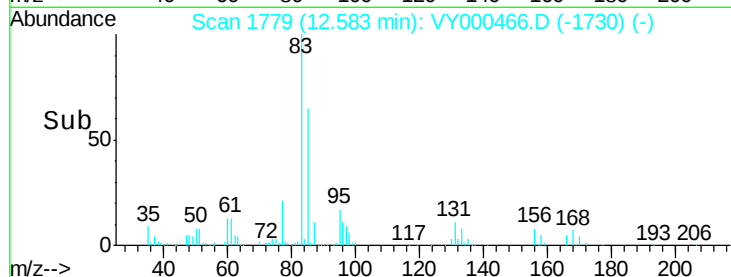
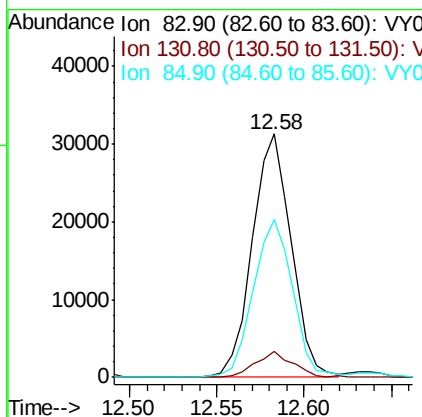
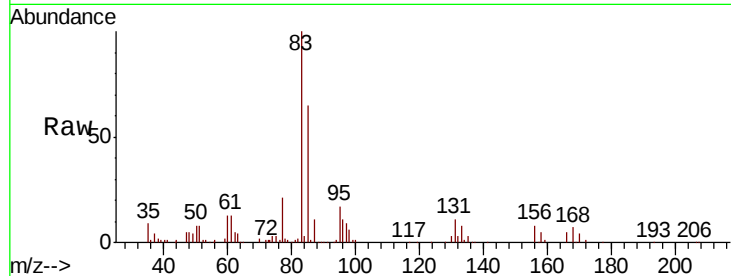
ClientSampleId :

VY1029SBS01

Tot Ion:	83	Resp:	48352
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	65.5	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 19.442 ug/l m

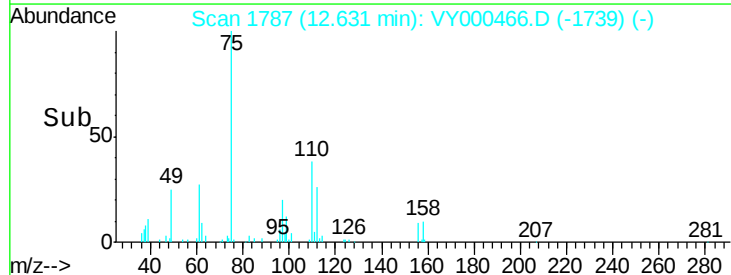
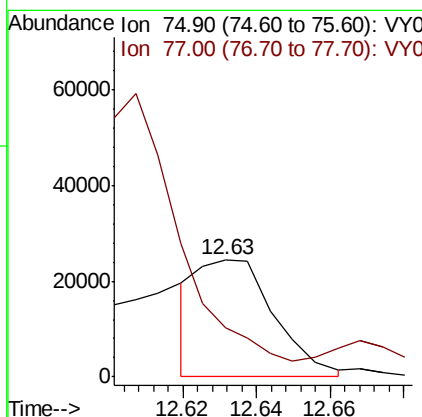
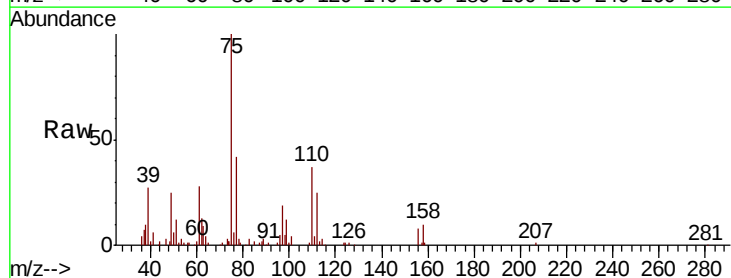
RT: 12.63 min Scan# 1787

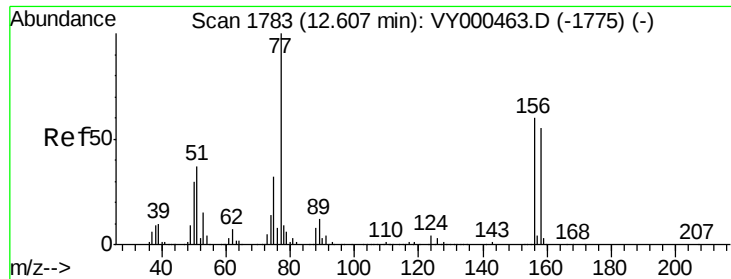
Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	75	Resp:	35809
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.835 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion:156 Resp: 56745

Ion Ratio Lower Upper

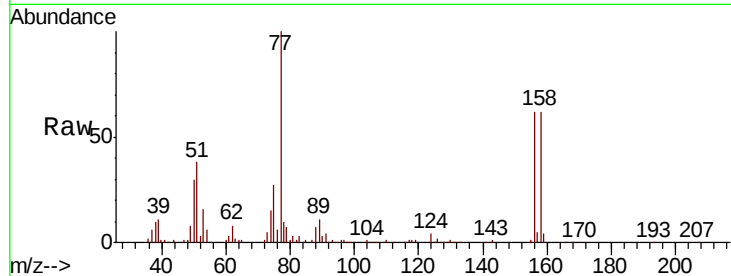
156 100

77 186.2 101.0 302.9

158 98.8 49.7 149.1

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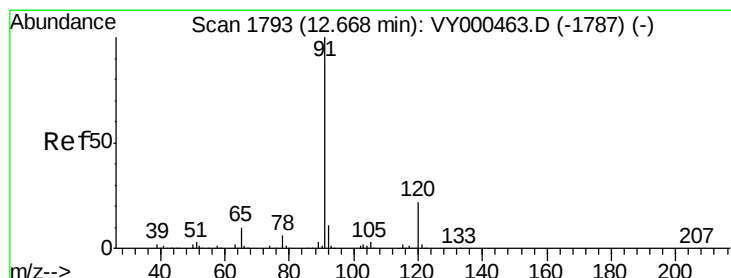
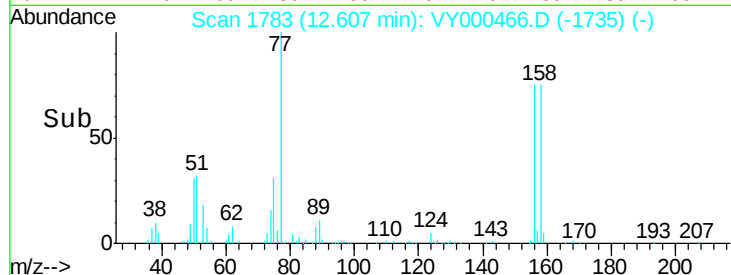
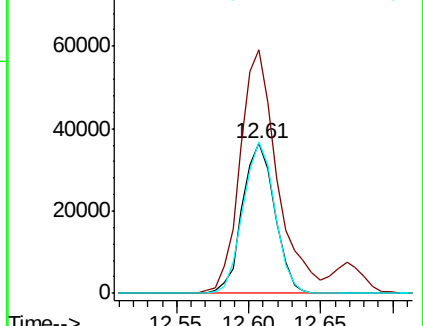
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.049 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000466.D

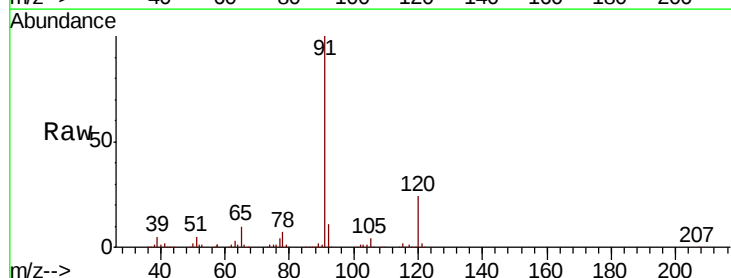
Acq: 29 Oct 2019 12:00

Tgt Ion: 91 Resp: 295158

Ion Ratio Lower Upper

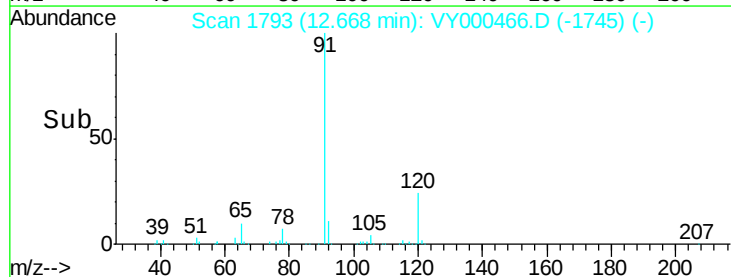
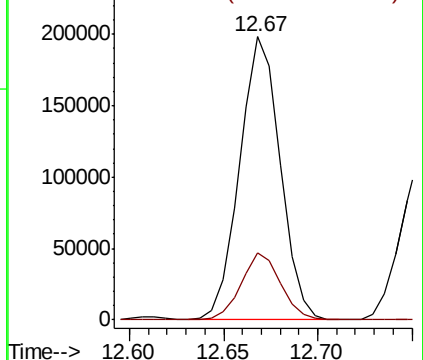
91 100

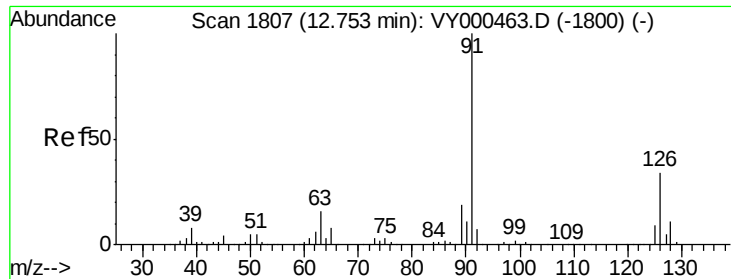
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





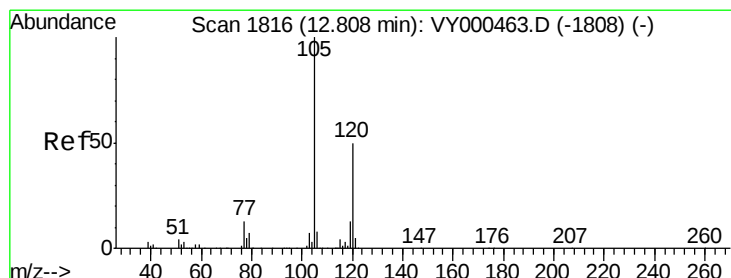
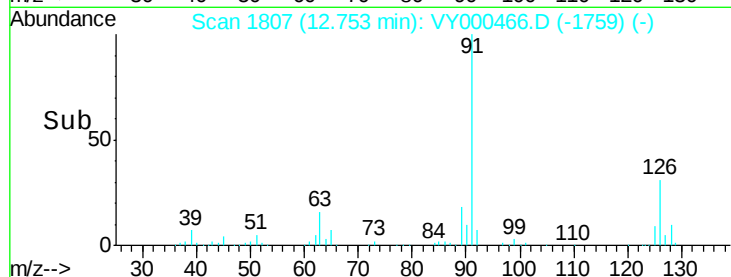
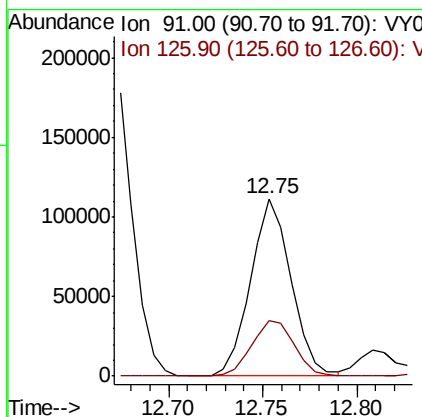
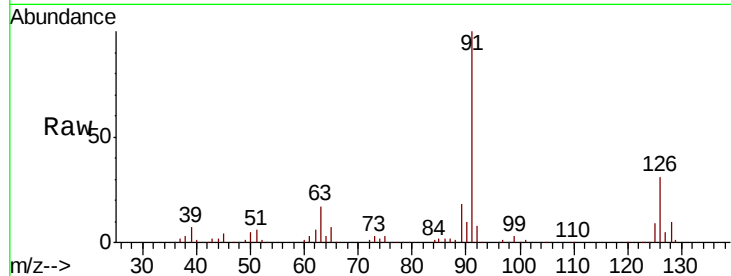
#79
 2-Chlorotoluene
 Concen: 21.438 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion: 91 Resp: 166018
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.1 51.3

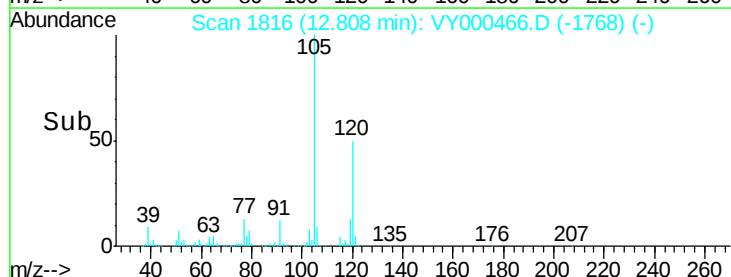
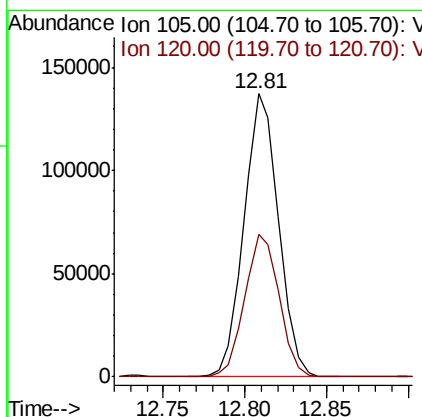
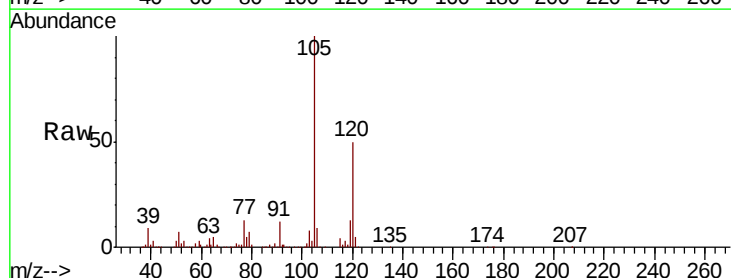
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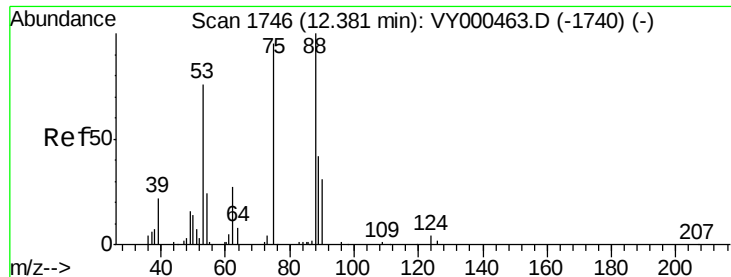
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.612 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion: 105 Resp: 201859
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.546 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

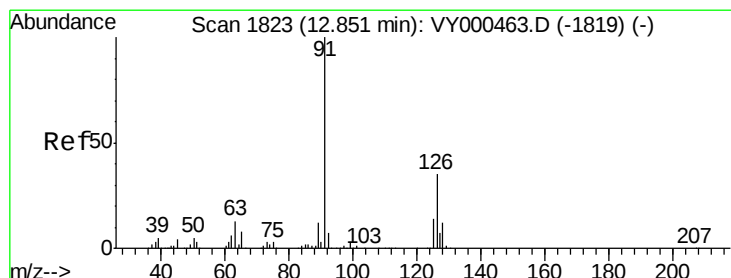
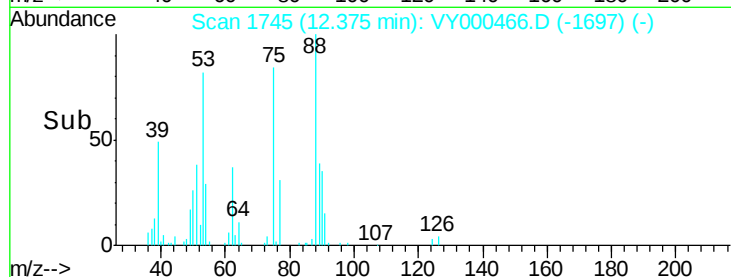
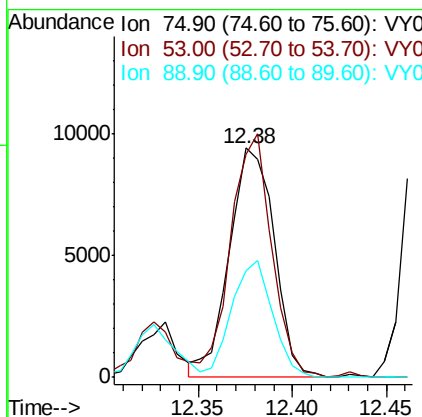
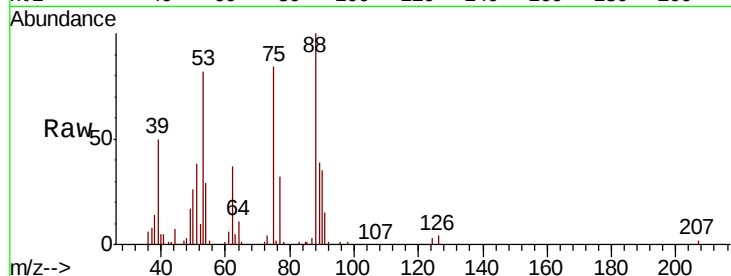
ClientSampleId :

VY1029SBS01

Tot Ion:	75	Resp:	15612
Ion Ratio	Lower	Upper	
75	100		
53	95.8	71.3	106.9
89	46.3	35.1	52.7

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#82

4-Chlorotoluene

Concen: 20.849 ug/l

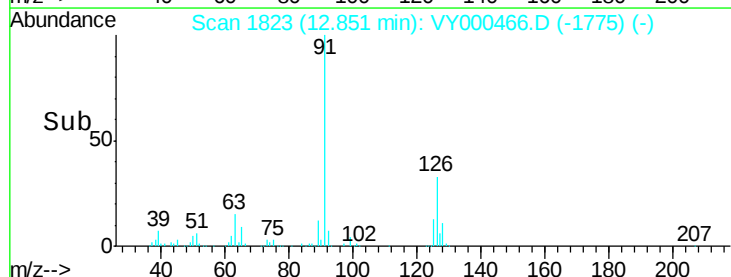
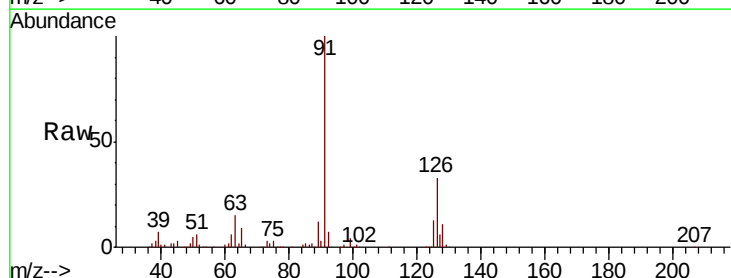
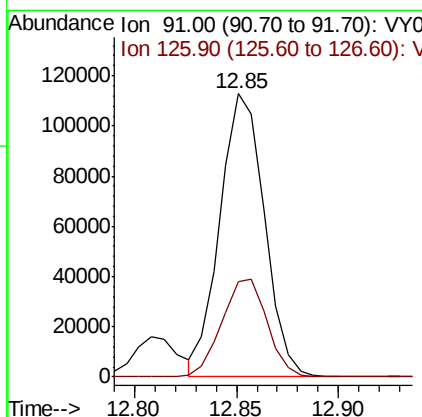
RT: 12.85 min Scan# 1823

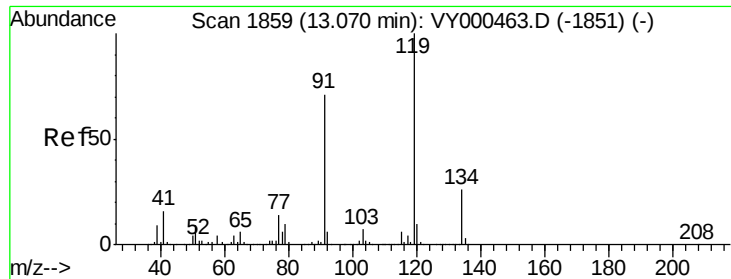
Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	91	Resp:	170667
Ion Ratio	Lower	Upper	
91	100		
126	35.2	17.2	51.5





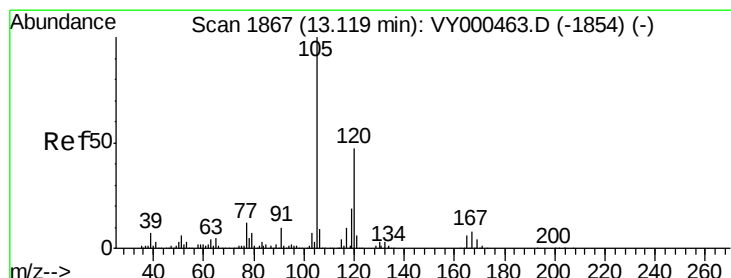
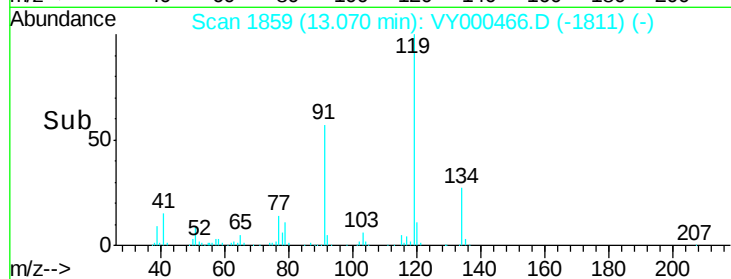
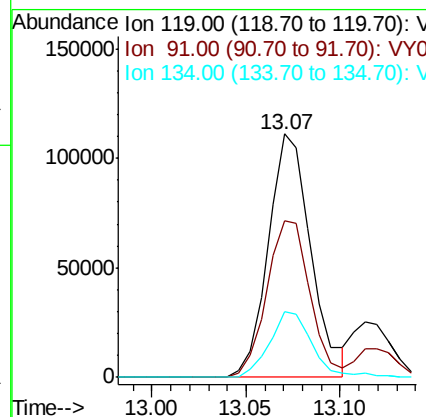
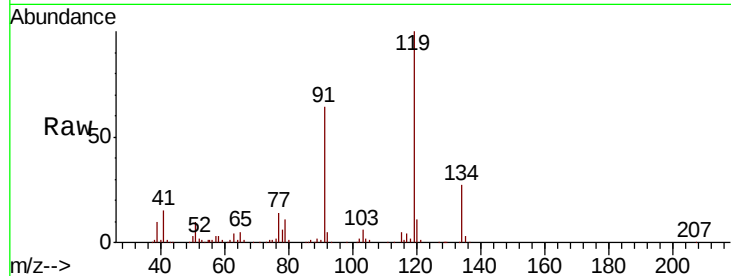
#83
tert-Butylbenzene
Concen: 20.993 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.9	98.7
134	27.2	13.3	39.8

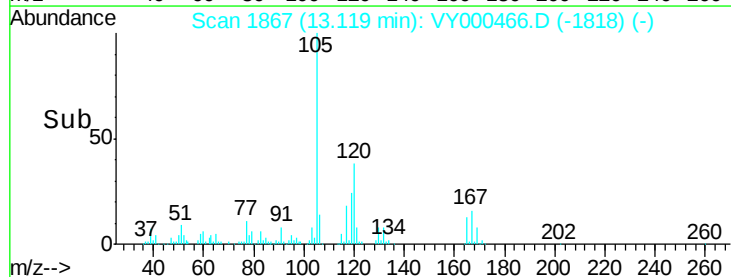
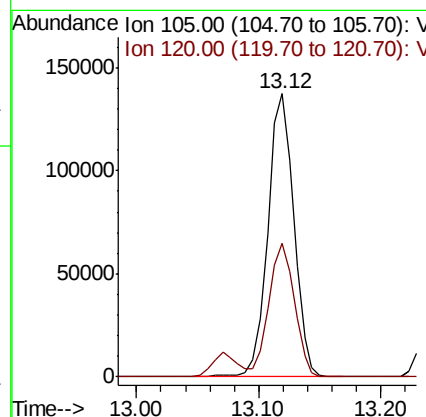
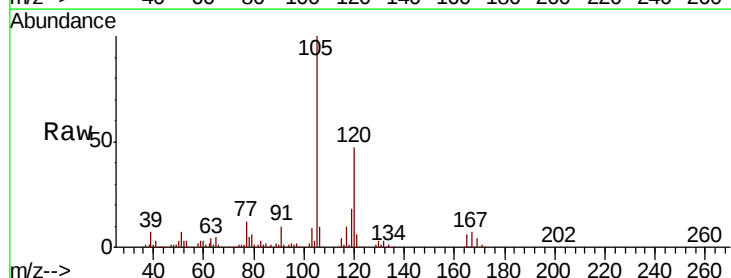
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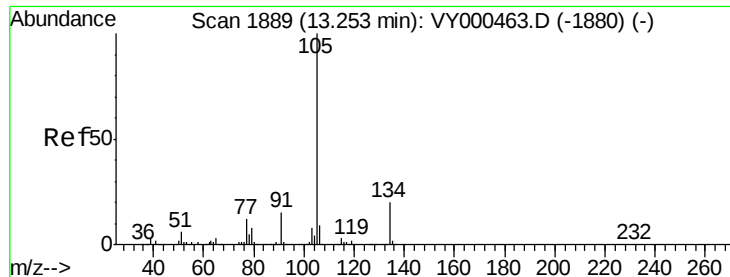
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.059 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.901 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1029SBS01

Tot Ion:105 Resp: 250755

Ion Ratio Lower Upper

105 100

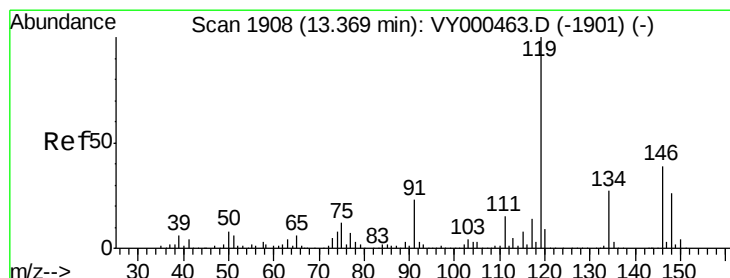
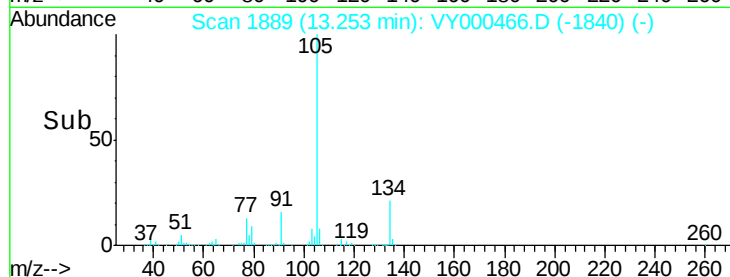
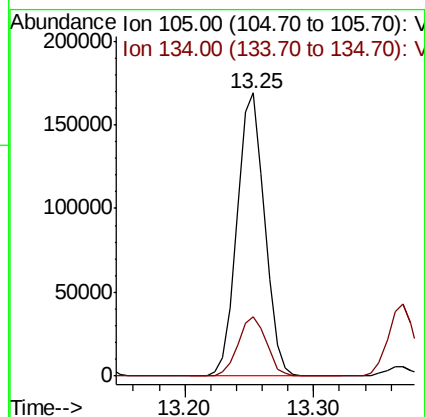
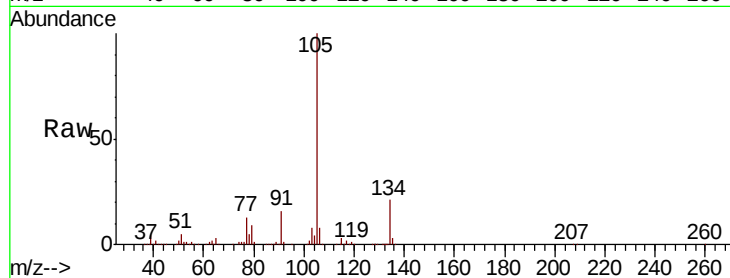
134 21.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 21.431 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

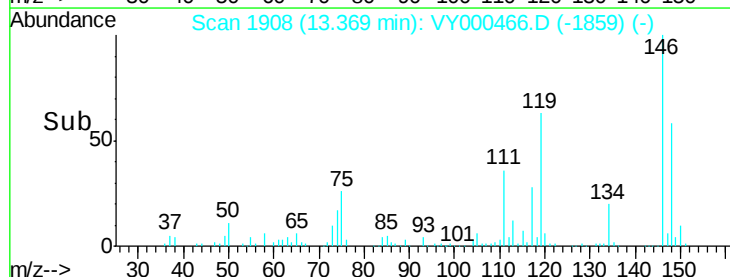
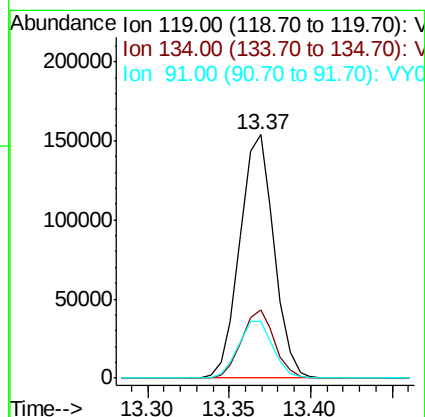
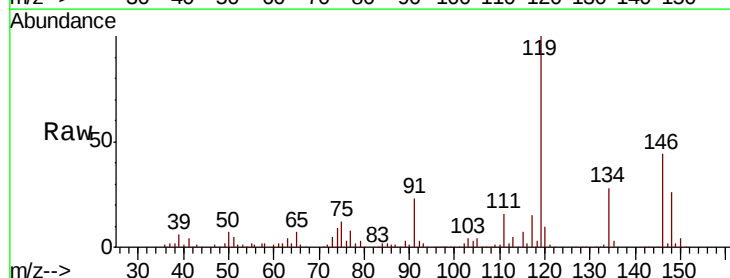
Tgt Ion:119 Resp: 224155

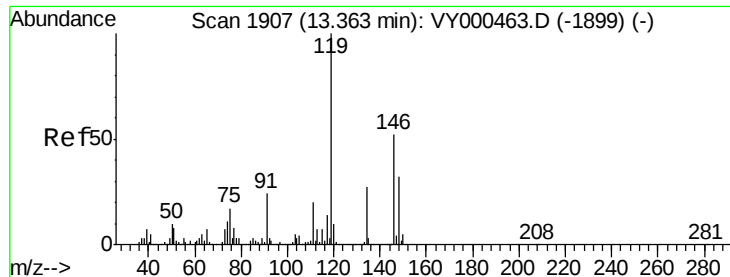
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 23.8 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.922 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Instrument :

MSVOA_Y

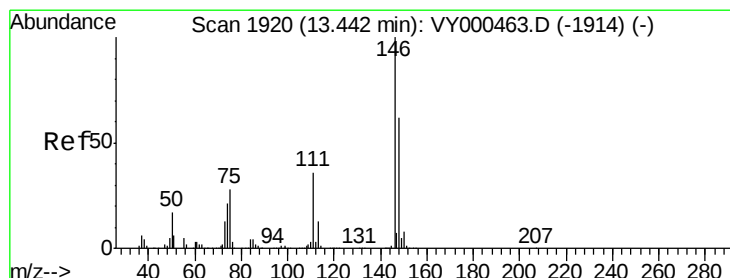
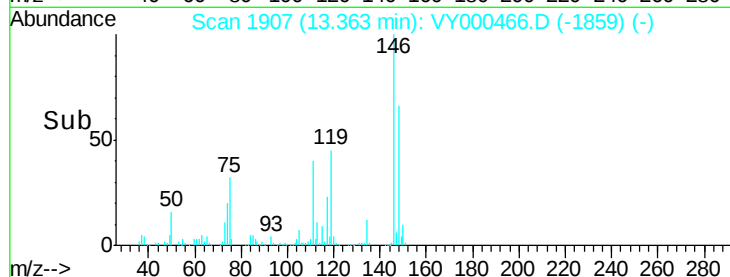
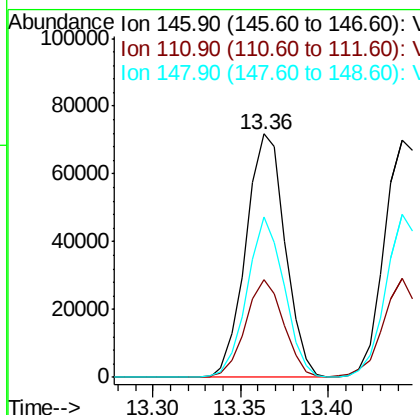
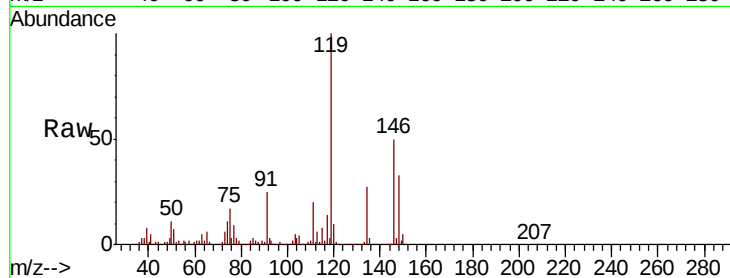
ClientSampleId :

VY1029SBS01

Tot Ion:	146	Resp:	112250
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.6	61.8
148	62.2	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 21.610 ug/l

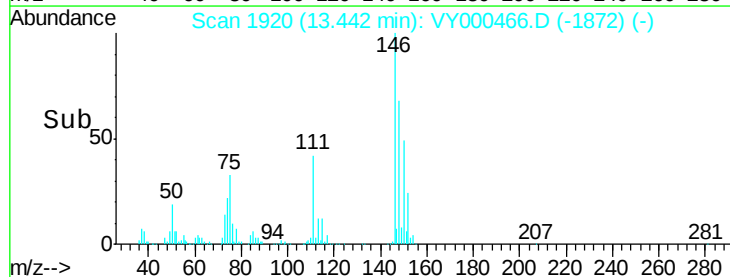
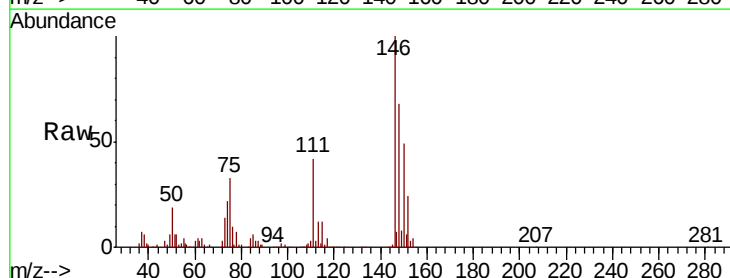
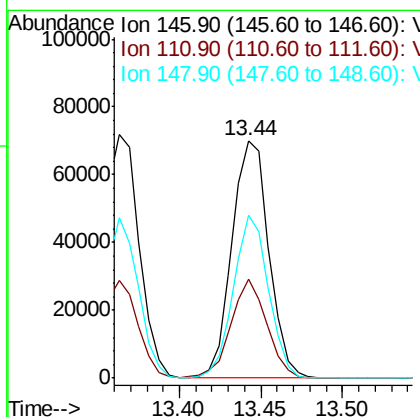
RT: 13.44 min Scan# 1920

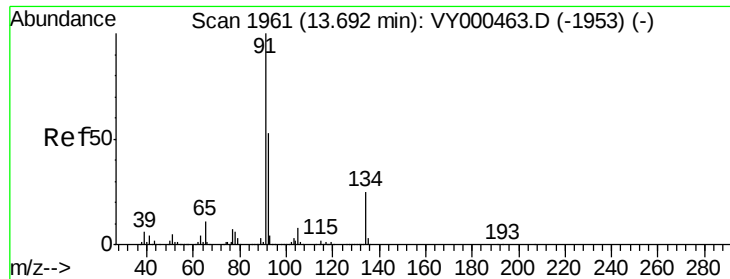
Delta R.T. -0.01 min

Lab File: VY000466.D

Acq: 29 Oct 2019 12:00

Tgt Ion:	146	Resp:	110601
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.1	60.2
148	64.9	32.4	97.2





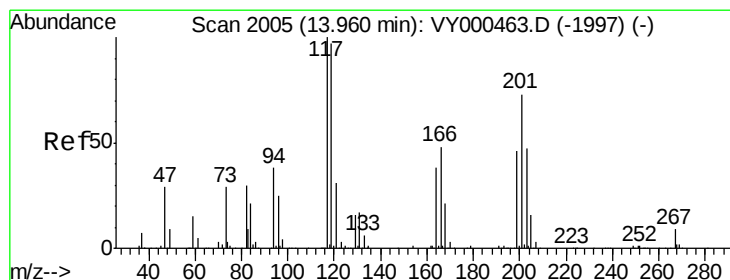
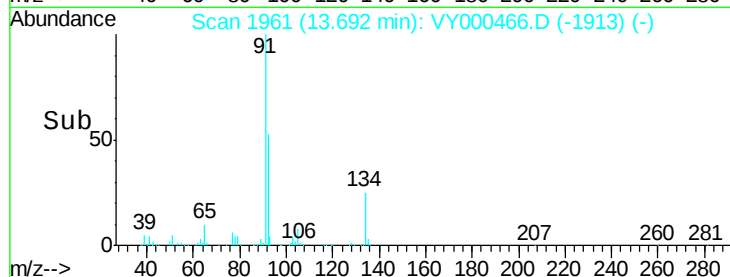
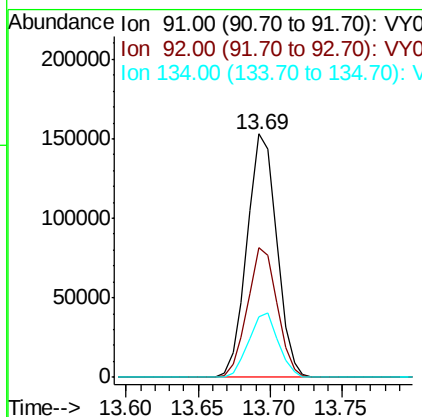
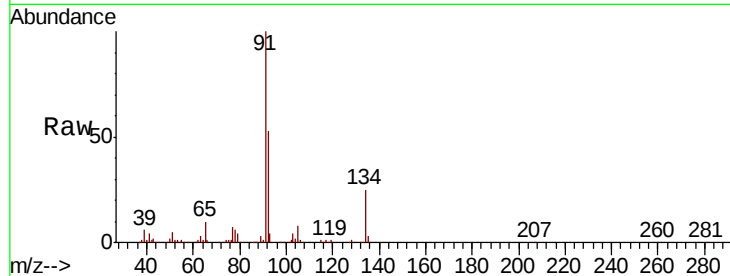
#89
n-Butylbenzene
Concen: 21.099 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.7	80.1
134	26.5	13.0	38.9

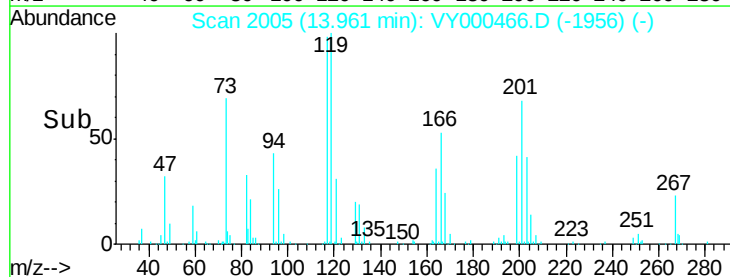
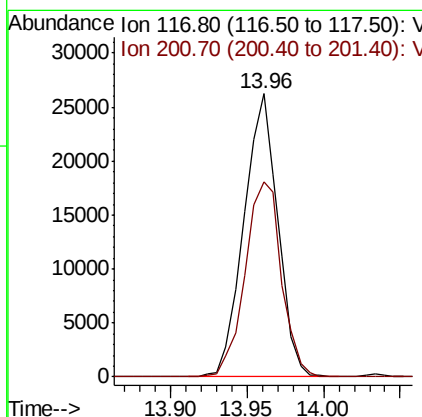
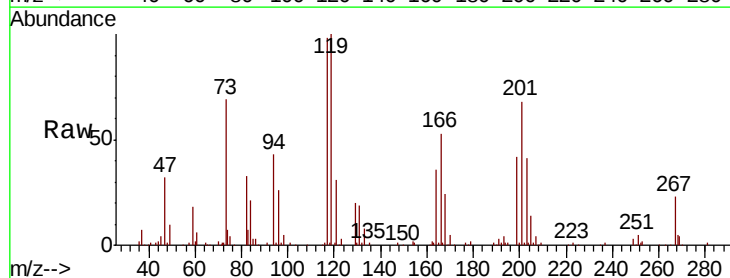
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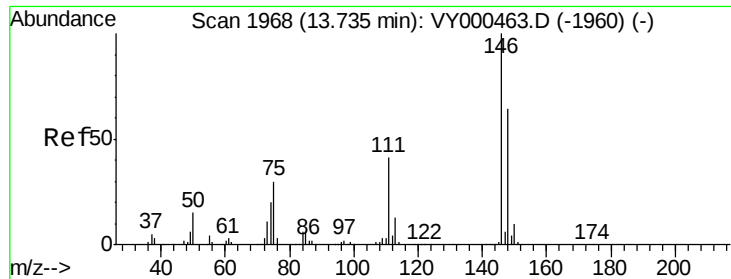
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#90
Hexachloroethane
Concen: 20.849 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	36.3	108.7





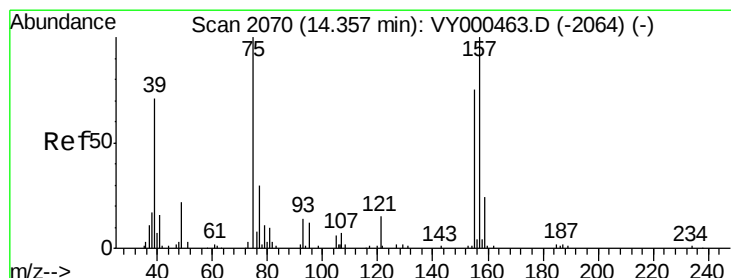
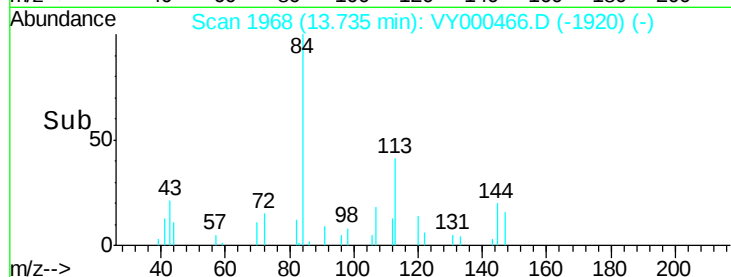
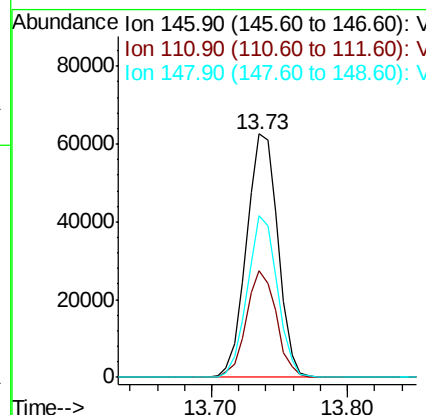
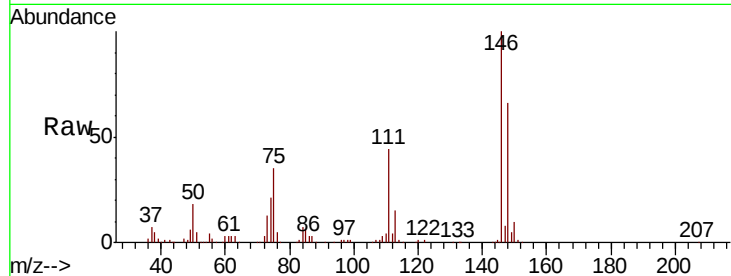
#91
 1,2-Dichlorobenzene
 Concen: 21.873 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.5
148	63.3	31.6	95.0

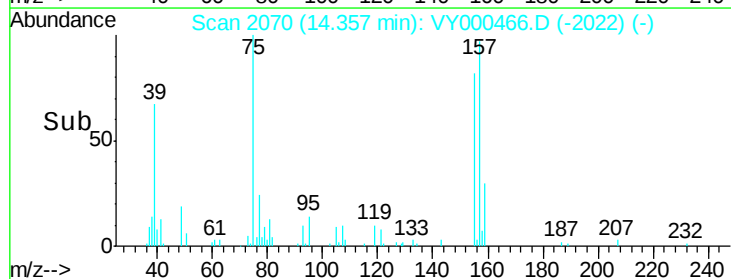
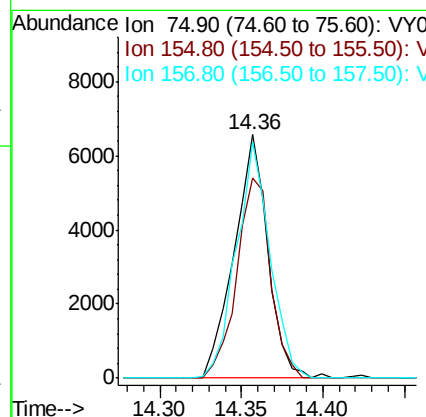
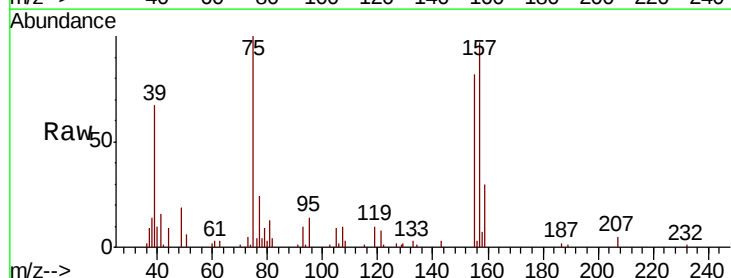
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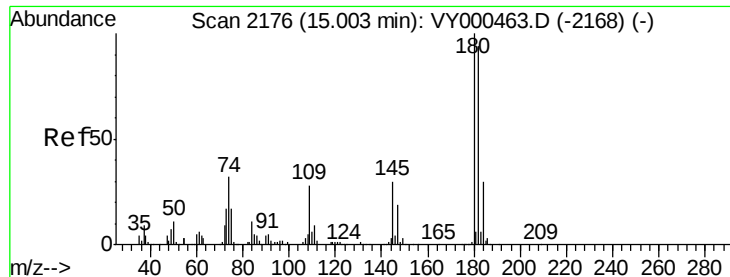
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.711 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	45.8	137.3
157	97.3	55.6	166.9





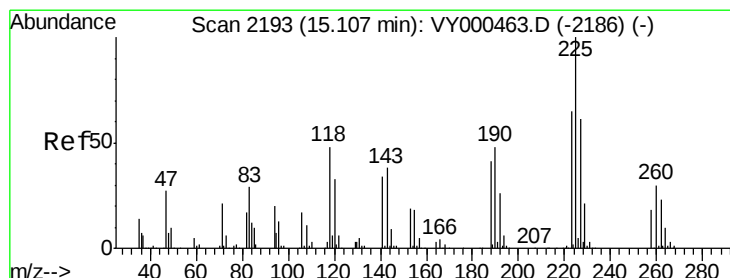
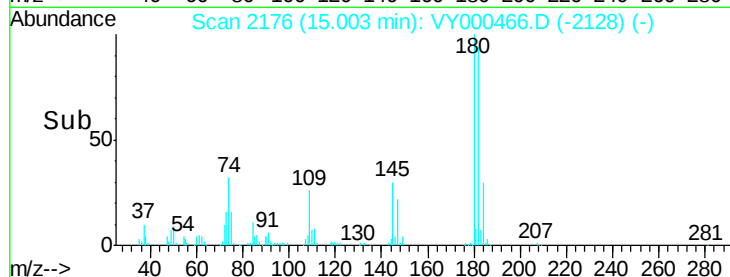
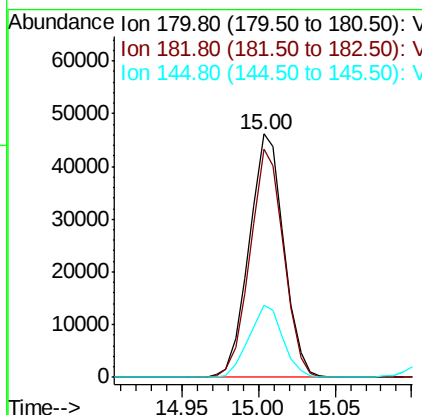
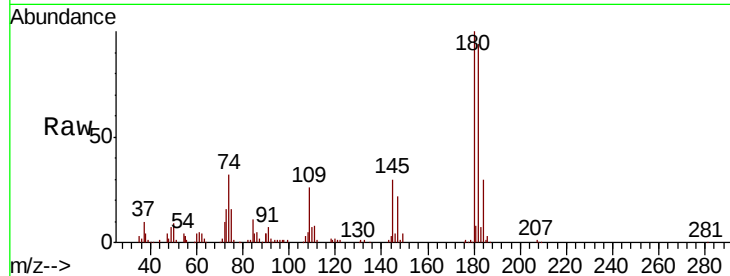
#93
 1,2,4-Trichlorobenzene
 Concen: 22.545 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.5	142.6
145	29.1	15.4	46.1

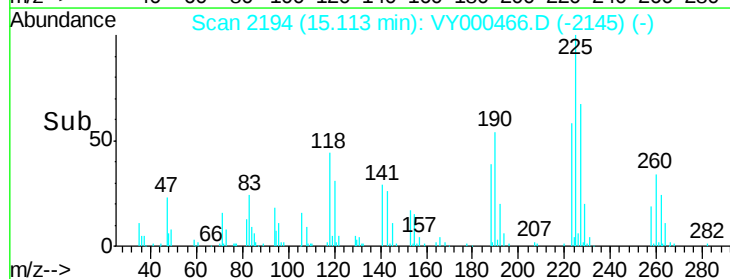
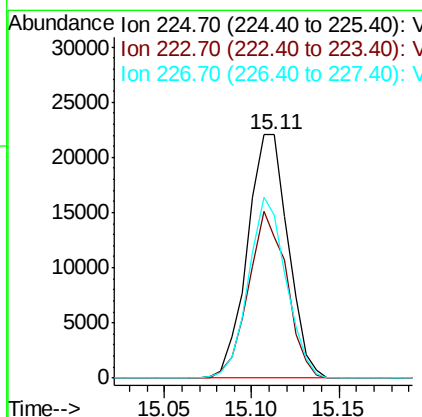
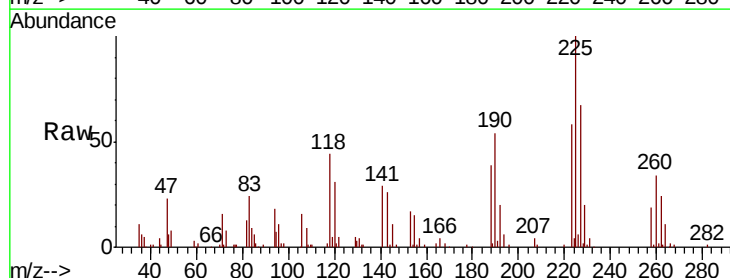
Manual Integrations
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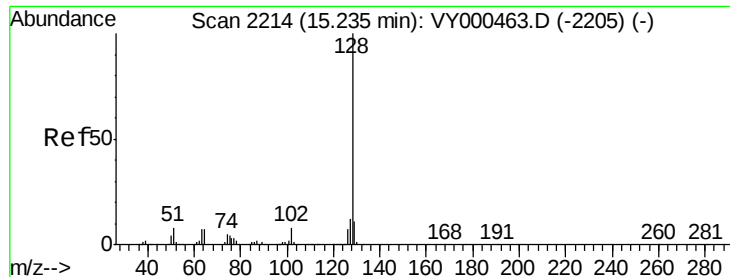
MMDadoda
 10/30/2019 10:59:52 AM



#94
 Hexachlorobutadiene
 Concen: 20.465 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000466.D
 Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.7
227	68.7	31.4	94.2





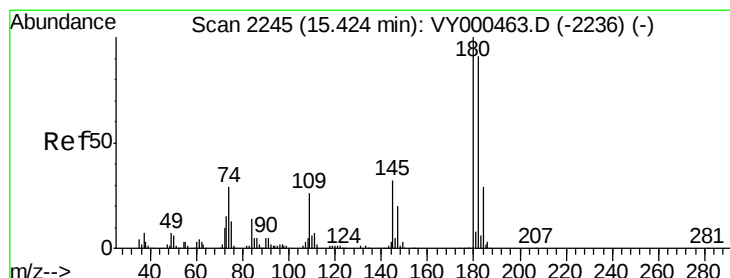
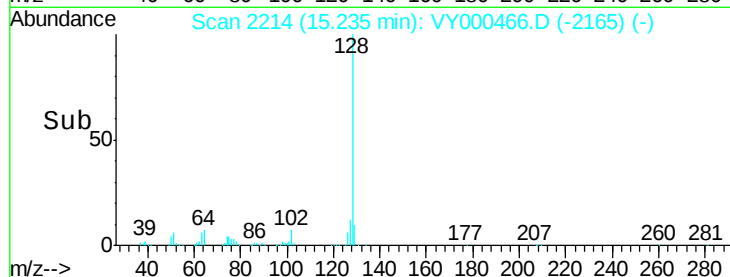
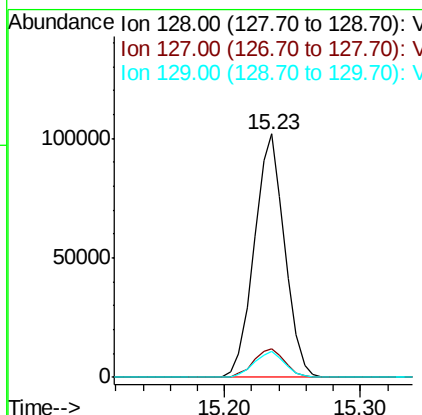
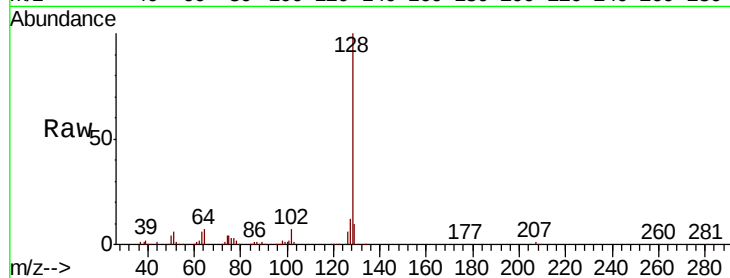
#95
Naphthalene
Concen: 22.109 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159182		
127	12.2		9.6	14.4
129	10.8		8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.044 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000466.D
Acq: 29 Oct 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64097		
182	95.5		46.5	139.5
145	31.6		16.2	48.5

