

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001146.D
 Acq On : 10 Jan 2020 14:19
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:47 PM

Quant Time: Jan 10 15:38:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	223384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	377146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	330607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	22748	11.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.28%	
35) Dibromofluoromethane	7.73	113	23855	11.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.20%	
50) Toluene-d8	10.18	98	79050	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.48	95	36235	11.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	19120	11.807	ug/l	100
3) Chloromethane	2.11	50	27557	20.432	ug/l	98
4) Vinyl Chloride	2.25	62	26191	18.933	ug/l	98
5) Bromomethane	2.65	94	14489	15.555	ug/l	98
6) Chloroethane	2.80	64	15813	17.478	ug/l	98
7) Trichlorofluoromethane	3.13	101	35618	11.145	ug/l	98
8) Diethyl Ether	3.54	74	14182	12.096	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	23169	11.495	ug/l	99
10) Methyl Iodide	4.10	142	31306	10.242	ug/l	100
11) Tert butyl alcohol	4.97	59	12730	67.140	ug/l	95
12) 1,1-Dichloroethene	3.88	96	23621	11.408	ug/l	94
13) Acrolein	3.74	56	11291	63.403	ug/l	98
14) Allyl chloride	4.49	41	38702	15.918	ug/l	99
15) Acrylonitrile	5.18	53	33834	65.947	ug/l	100
16) Acetone	3.96	43	27719	71.879	ug/l	99
17) Carbon Disulfide	4.20	76	76620	12.263	ug/l	97
18) Methyl Acetate	4.49	43	18091	15.087	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	63435	12.322	ug/l	99
20) Methylene Chloride	4.72	84	34090	14.019	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	26067	11.259	ug/l	95
22) Diisopropyl ether	6.13	45	77085	15.431	ug/l	99
23) Vinyl Acetate	6.07	43	251664	79.662	ug/l	97
24) 1,1-Dichloroethane	6.03	63	43148	13.208	ug/l	99
25) 2-Butanone	7.00	43	42225	67.016	ug/l	98
26) 2,2-Dichloropropane	6.99	77	40928	11.778	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	28404	10.412	ug/l	97
28) Bromochloromethane	7.34	49	16301	12.669	ug/l	99
29) Tetrahydrofuran	7.36	42	29177	68.471	ug/l	99
30) Chloroform	7.52	83	42385	10.799	ug/l	96
31) Cyclohexane	7.79	56	47352	12.449	ug/l	# 93
32) 1,1,1-Trichloroethane	7.71	97	38123	10.538	ug/l	97
36) 1,1-Dichloropropene	7.92	75	35282	10.711	ug/l	99
37) Ethyl Acetate	7.09	43	20724	14.203	ug/l	98
38) Carbon Tetrachloride	7.91	117	32120	9.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	48503	10.660	ug/l	99
40) Benzene	8.17	78	102739	10.213	ug/l	100
41) Methacrylonitrile	7.32	41	11626m	16.074	ug/l	
42) 1,2-Dichloroethane	8.25	62	28255	11.439	ug/l	98
43) Isopropyl Acetate	8.28	43	38680	13.418	ug/l	99
44) Trichloroethene	8.94	130	26682	9.025	ug/l	100
45) 1,2-Dichloropropane	9.22	63	25826	11.330	ug/l	100
46) Dibromomethane	9.31	93	13312	9.987	ug/l	95
47) Bromodichloromethane	9.50	83	33700	11.103	ug/l	98
48) Methyl methacrylate	9.30	41	18474	14.708	ug/l	97
49) 1,4-Dioxane	9.31	88	3408	172.732	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	100075	72.027	ug/l	99
52) Toluene	10.24	92	64997	10.467	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	36773	11.459	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41809	11.096	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	20570	10.754	ug/l	96
56) Ethyl methacrylate	10.51	69	30914	12.196	ug/l	98
57) 1,3-Dichloropropane	10.79	76	34695	11.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	55763	61.239	ug/l	99
59) 2-Hexanone	10.83	43	66982	72.057	ug/l	99
60) Dibromochloromethane	10.99	129	23493	10.768	ug/l	99
61) 1,2-Dibromoethane	11.09	107	20058	10.826	ug/l	98
64) Tetrachloroethene	10.72	164	21500	7.351	ug/l	96
65) Chlorobenzene	11.52	112	68562	9.877	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	23563	9.659	ug/l	97
67) Ethyl Benzene	11.59	91	125633	10.324	ug/l	97
68) m/p-Xylenes	11.70	106	93278	19.424	ug/l	98
69) o-Xylene	12.03	106	44875	9.844	ug/l	98
70) Styrene	12.04	104	77851	10.049	ug/l	99
71) Bromoform	12.20	173	14425	9.891	ug/l #	99
73) Isopropylbenzene	12.33	105	118410	10.445	ug/l	100
74) N-amyl acetate	12.14	43	35599	14.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	24562	11.838	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	16072m	10.312	ug/l	
77) Bromobenzene	12.61	156	26193	9.637	ug/l	96
78) n-propylbenzene	12.67	91	142244	10.568	ug/l	99
79) 2-Chlorotoluene	12.75	91	81105	10.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	98451	10.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	9642	12.083	ug/l #	100
82) 4-Chlorotoluene	12.85	91	86484	11.105	ug/l	98
83) tert-Butylbenzene	13.07	119	83900	10.303	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	98669	10.240	ug/l	98
85) sec-Butylbenzene	13.25	105	119939	10.472	ug/l	99
86) p-Isopropyltoluene	13.36	119	105367	10.249	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	50856	9.980	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	51089	9.939	ug/l	97
89) n-Butylbenzene	13.69	91	103726	10.600	ug/l	100
90) Hexachloroethane	13.95	117	19850	10.327	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	46306	9.893	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4433	11.904	ug/l	95

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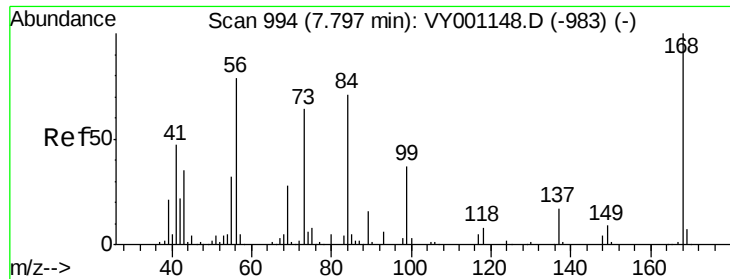
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	30303	9.451	ug/l	98
94) Hexachlorobutadiene	15.11	225	15547	9.588	ug/l	99
95) Naphthalene	15.23	128	67975	9.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	26057	9.116	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 22384

Ion Ratio Lower Upper

168 100

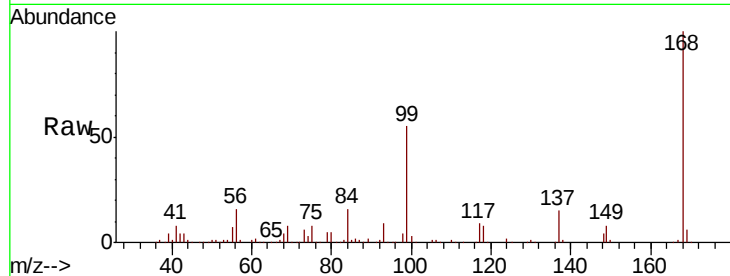
99 55.3 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

100000

80000

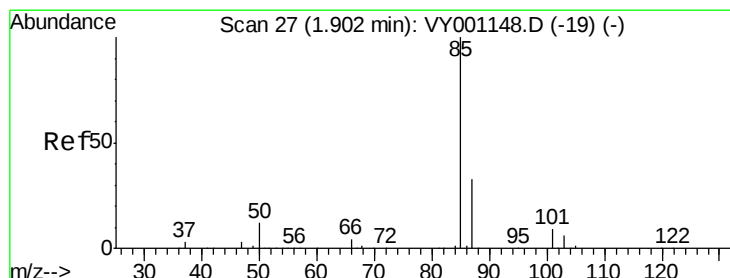
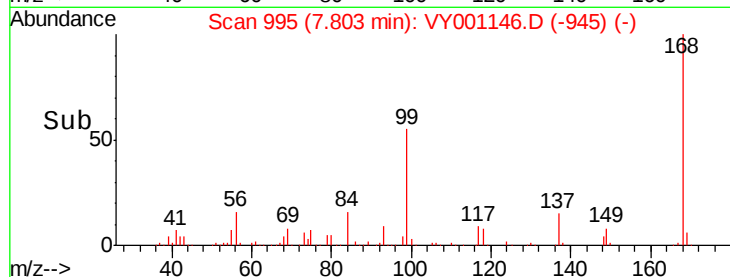
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.807 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001146.D

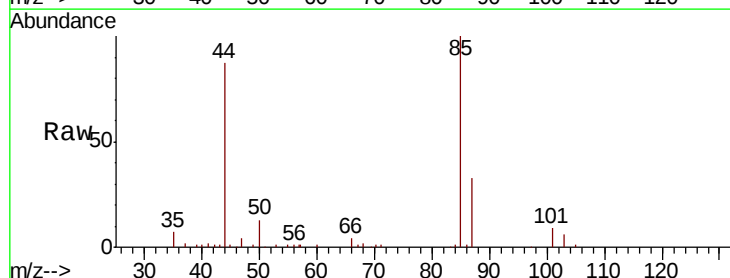
Acq: 10 Jan 2020 14:19

Tgt Ion: 85 Resp: 19120

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

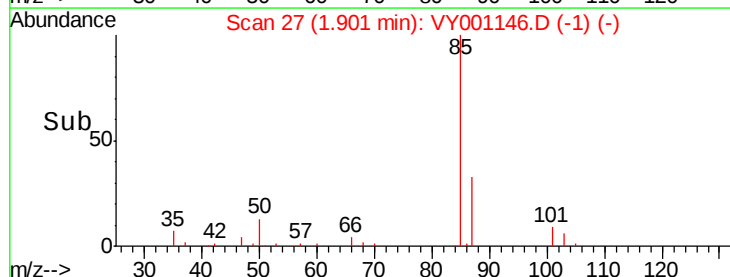
15000

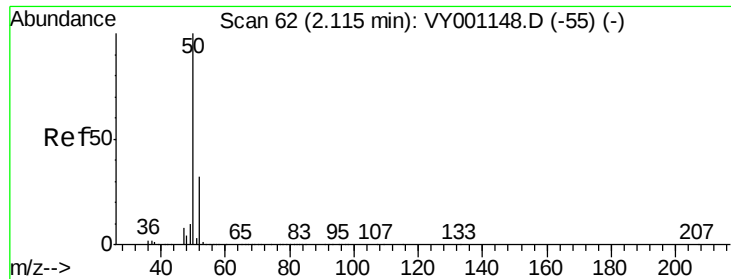
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.432 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 27557

Ion Ratio Lower Upper

50 100

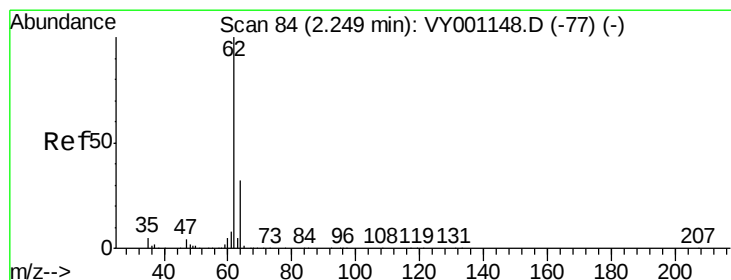
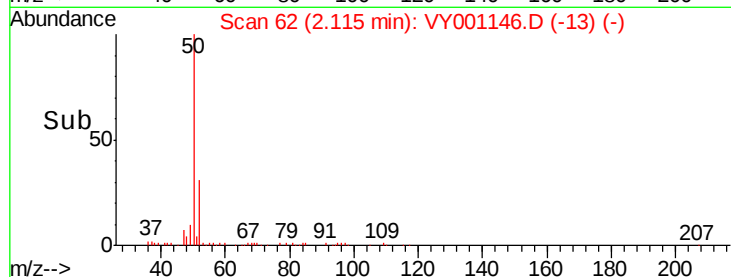
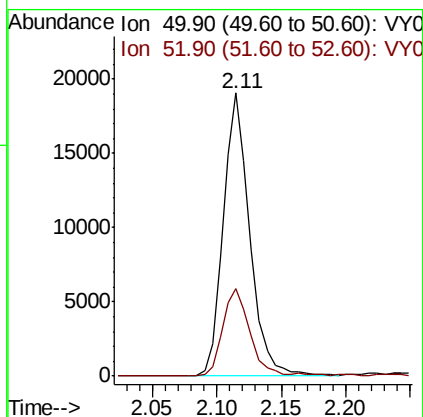
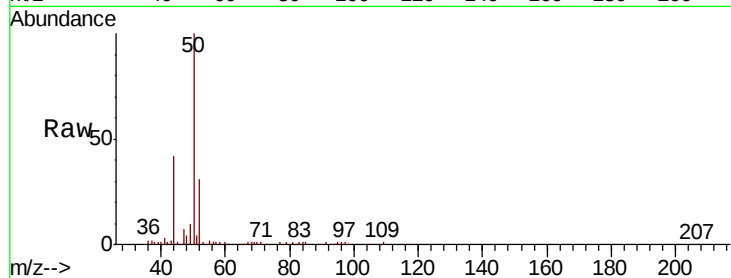
52 31.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.933 ug/l

RT: 2.25 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001146.D

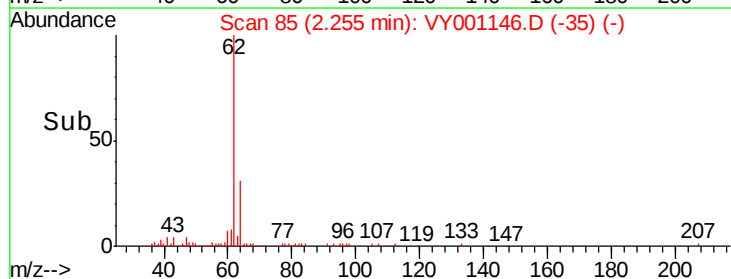
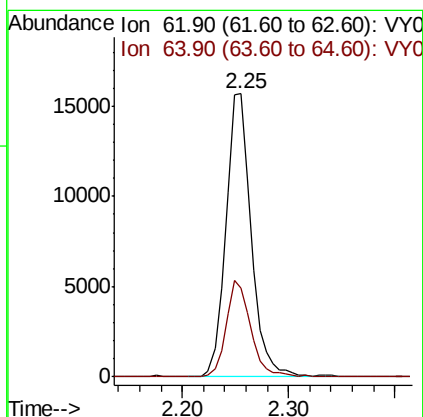
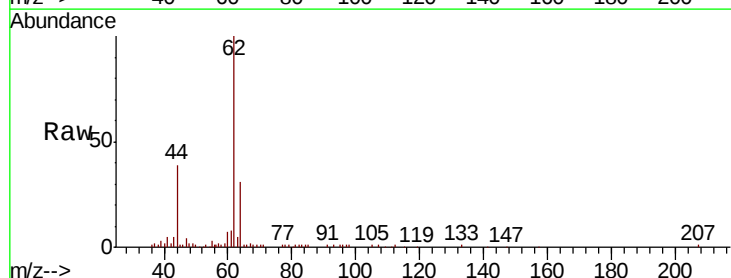
Acq: 10 Jan 2020 14:19

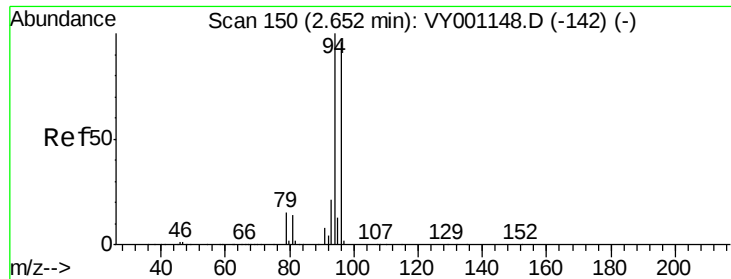
Tgt Ion: 62 Resp: 26191

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 15.555 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14489

Ion Ratio Lower Upper

94 100

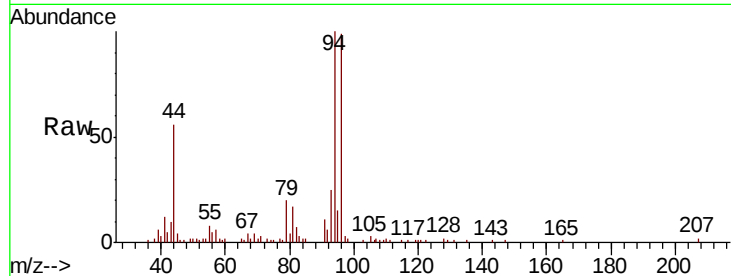
96 98.1 77.3 115.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

8000

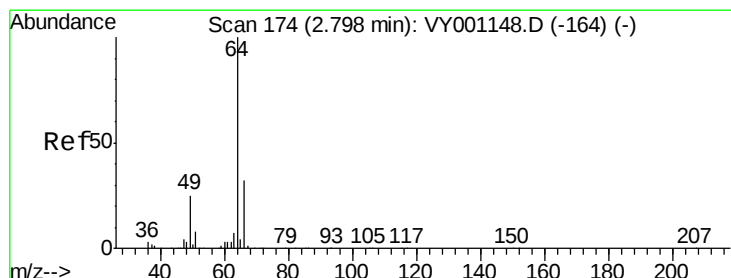
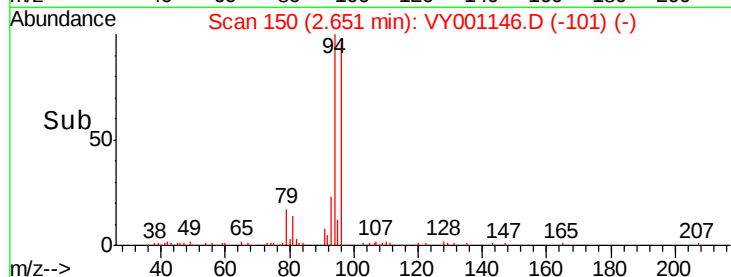
6000

4000

2000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 17.478 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001146.D

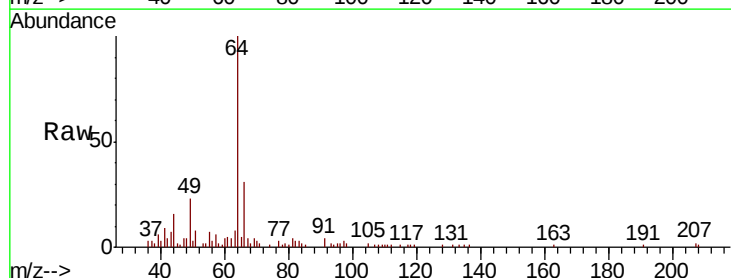
Acq: 10 Jan 2020 14:19

Tgt Ion: 64 Resp: 15813

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

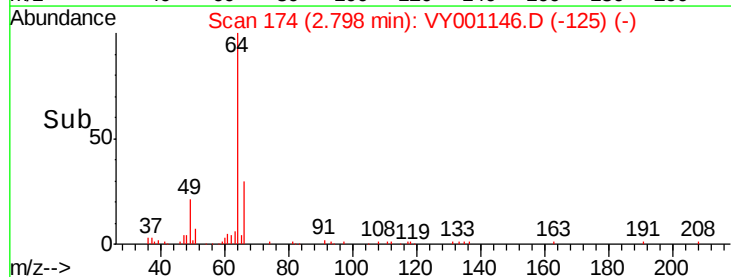
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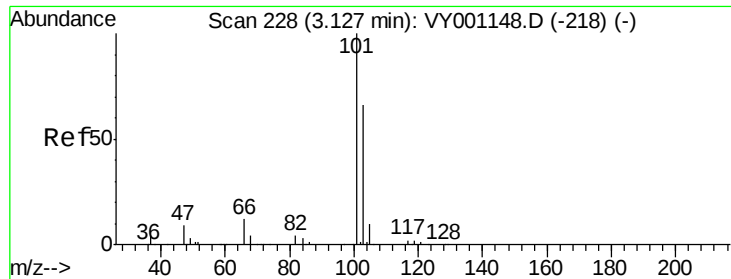
4000

2000

0

Time--> 2.70 2.75 2.80 2.85





#7

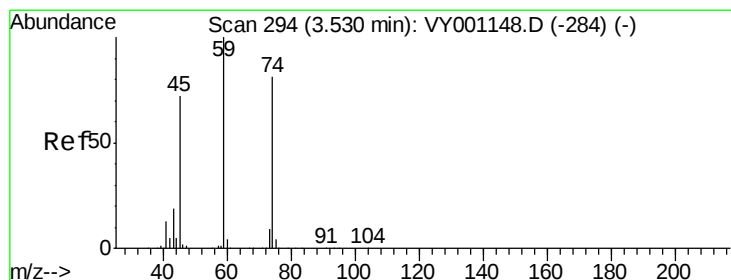
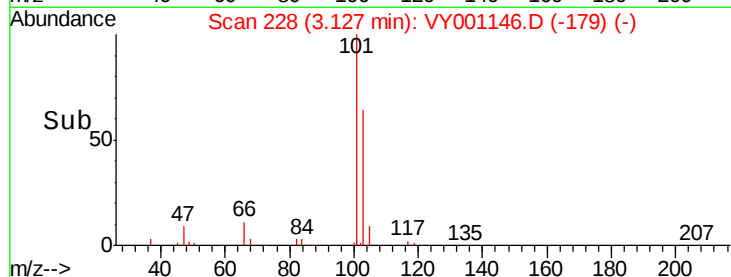
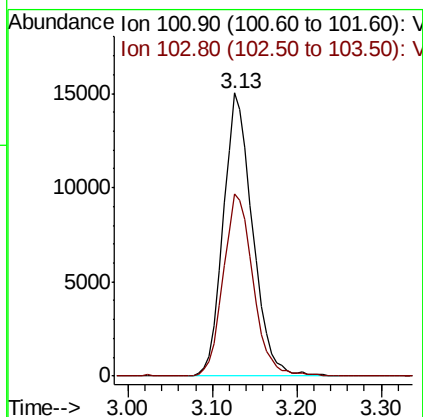
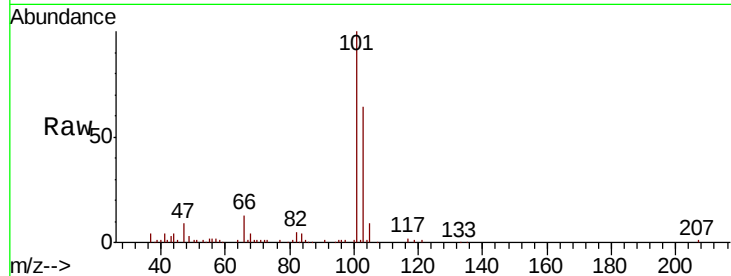
Trichlorofluoromethane
Concen: 11.145 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	79.0

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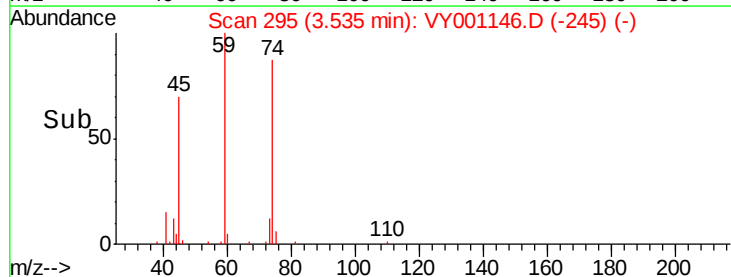
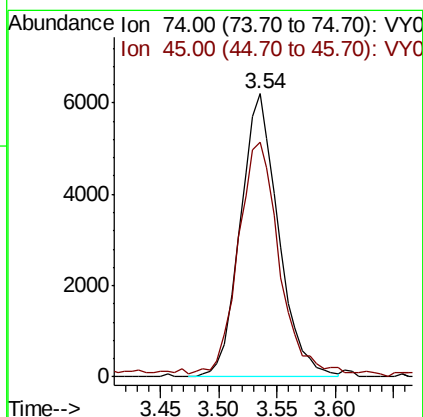
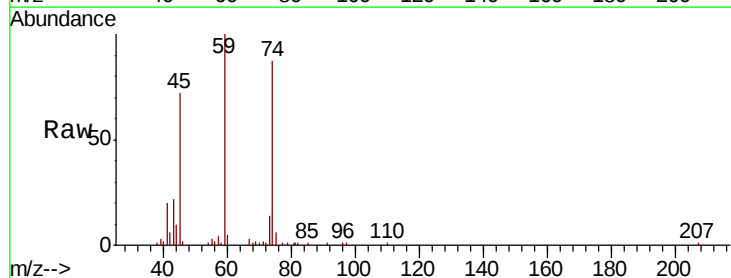
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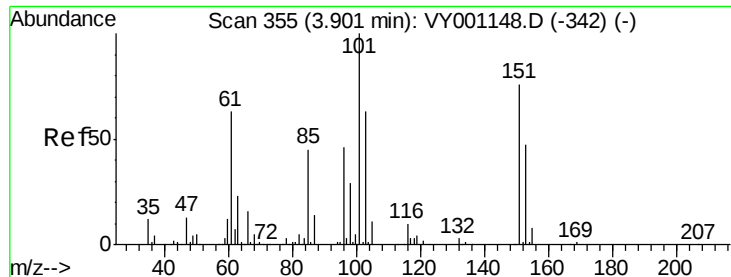


#8

Diethyl Ether
Concen: 12.096 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.495 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

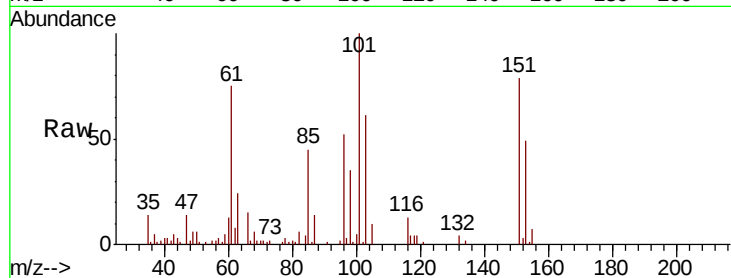
ClientSampleId :

VSTDIC010

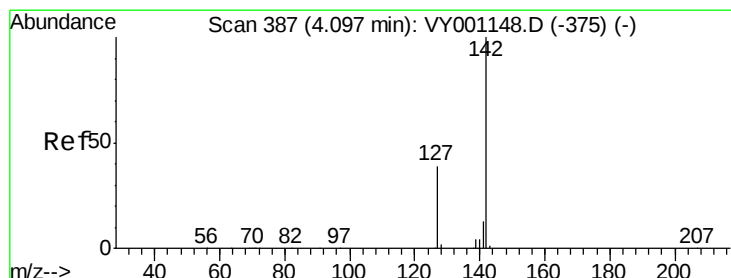
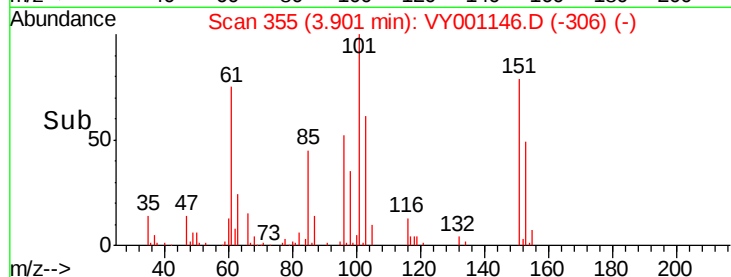
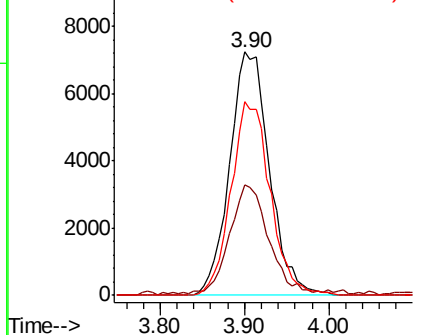
Tot Ion:	101	Resp:	23169
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	78.3	61.4	92.2

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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: 10.242 ug/l

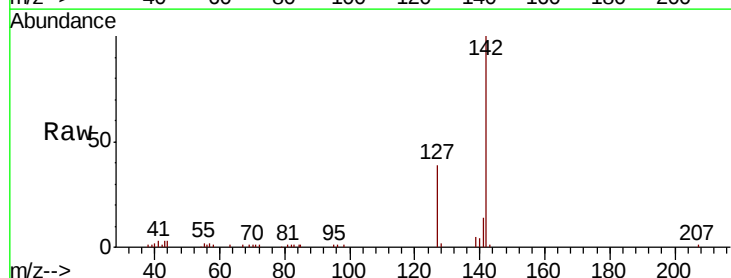
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

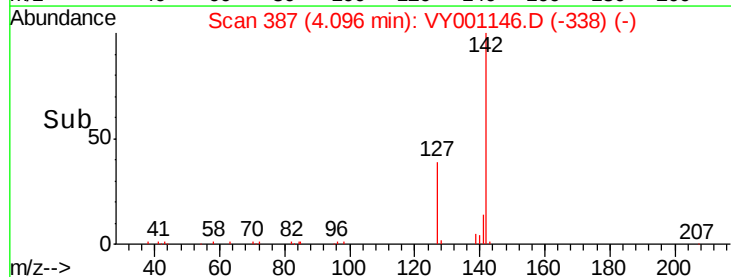
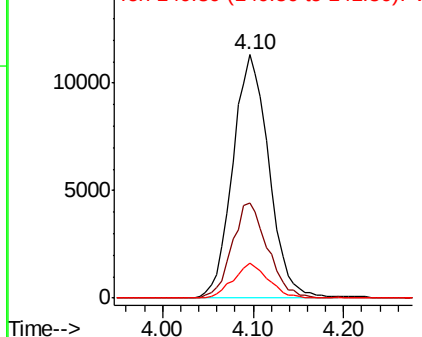
Lab File: VY001146.D

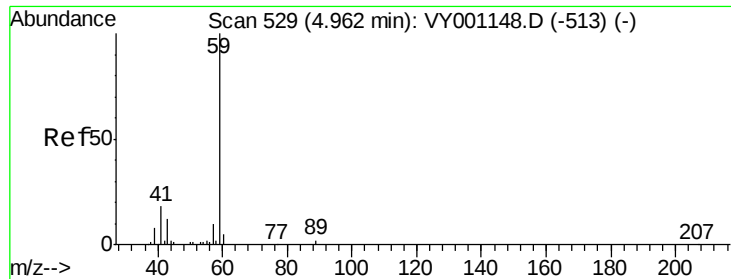
Acq: 10 Jan 2020 14:19

Tgt Ion:	142	Resp:	31306
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.8	46.2
141	13.8	11.0	16.4



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





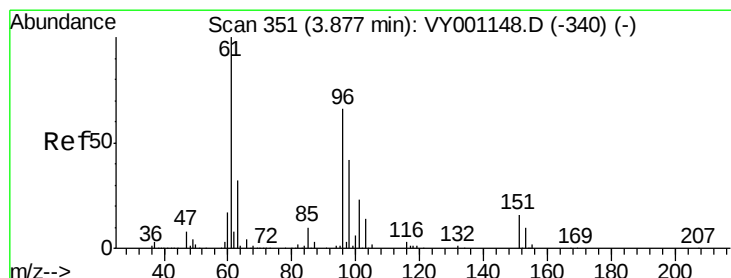
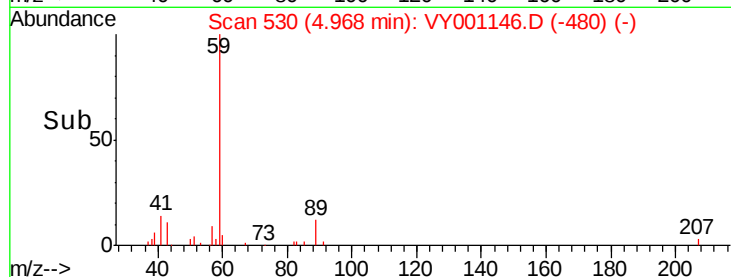
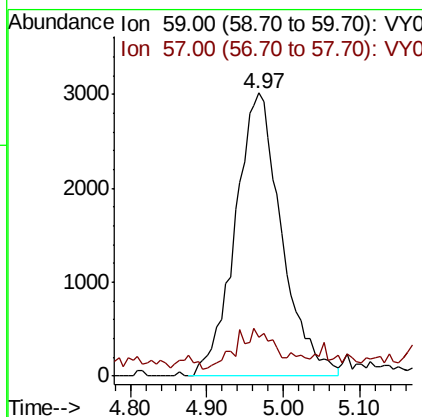
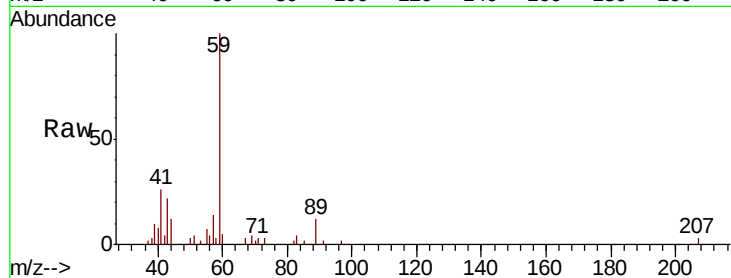
#11
Tert butyl alcohol
Concen: 67.140 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	12730
Ion Ratio	100	Lower	Upper
57	11.6	7.8	11.8

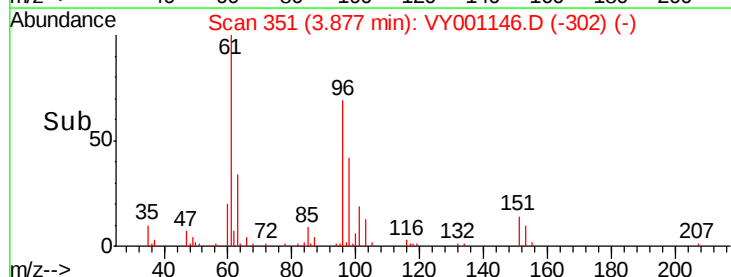
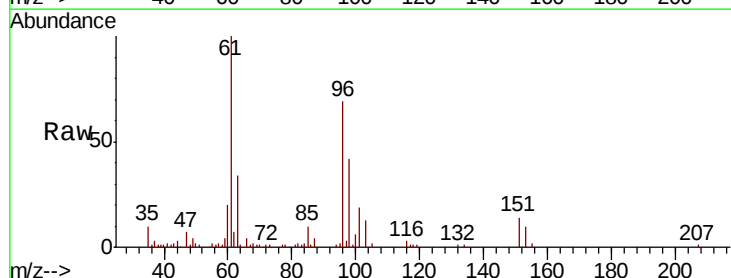
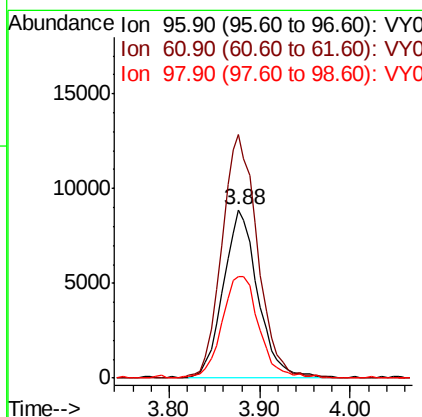
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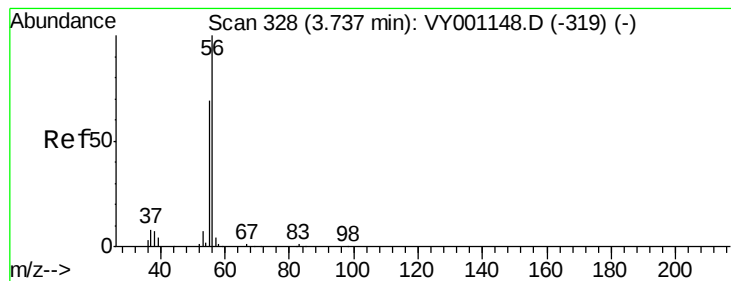
MMDadoda
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#12
1,1-Dichloroethene
Concen: 11.408 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	96	Resp	23621
Ion Ratio	100	Lower	Upper
61	144.3	122.1	183.1
98	60.2	51.0	76.6





#13

Acrolein

Concen: 63.403 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 11291

Ion Ratio Lower Upper

56 100

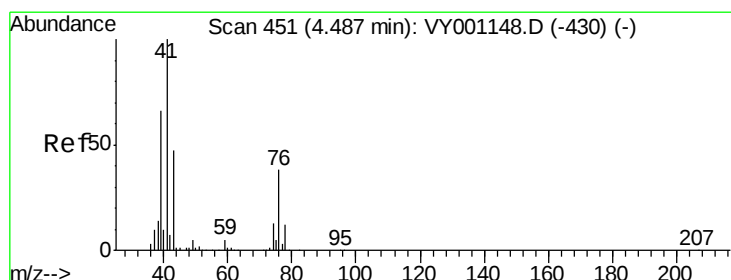
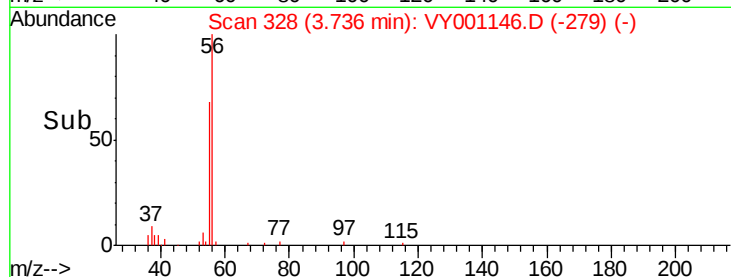
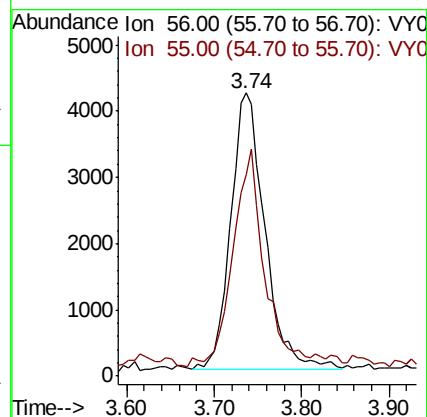
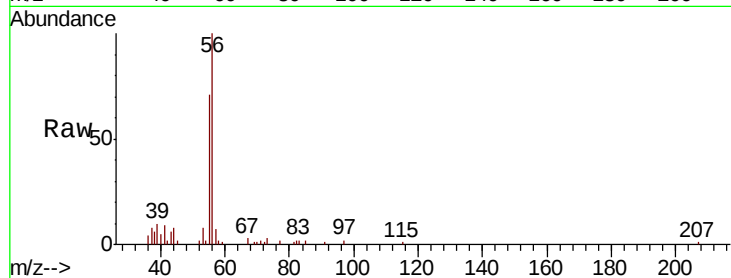
55 72.3 56.7 85.1

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#14

Allyl chloride

Concen: 15.918 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

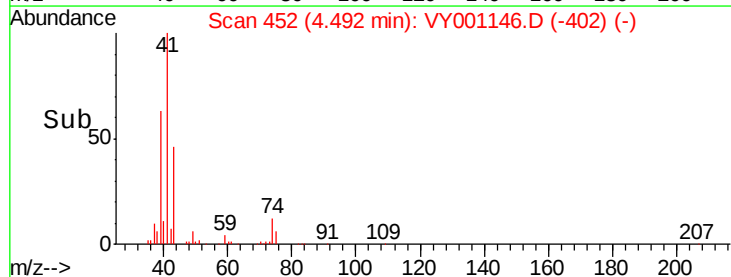
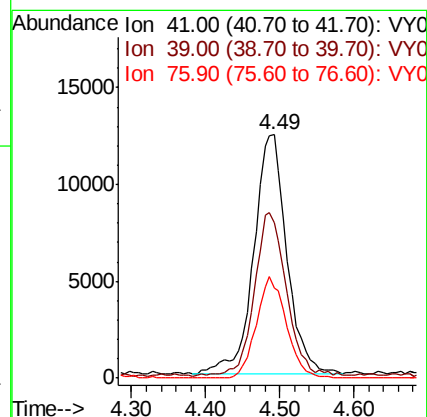
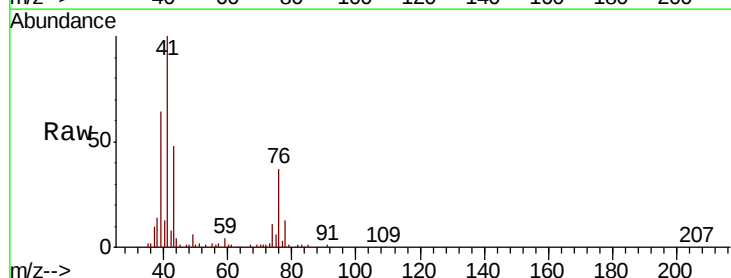
Tgt Ion: 41 Resp: 38702

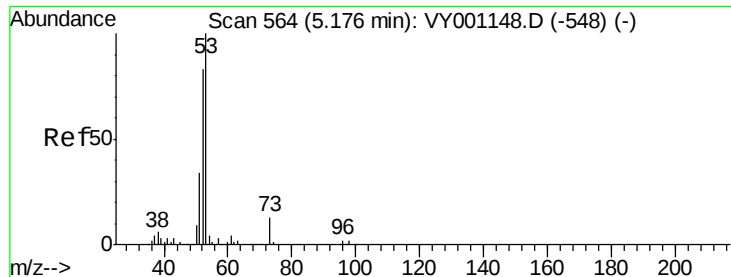
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 38.2 30.2 45.2





#15

Acrylonitrile

Concen: 65.947 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

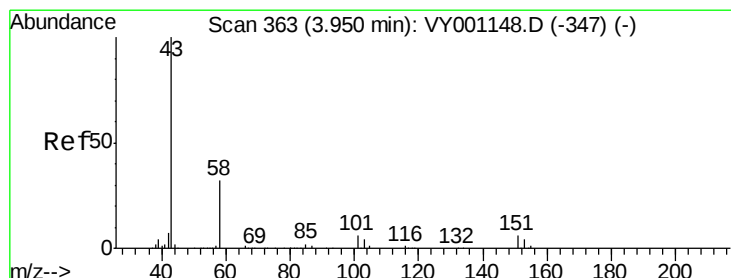
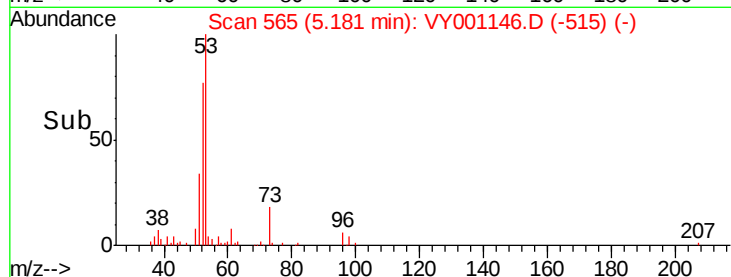
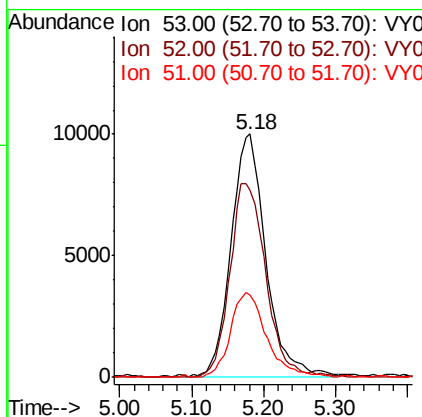
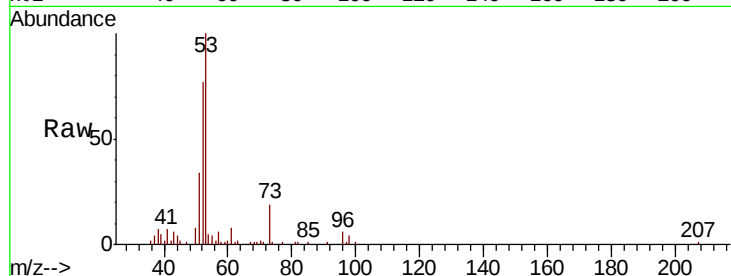
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	33834
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	36.0	28.7	43.1

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#16

Acetone

Concen: 71.879 ug/l

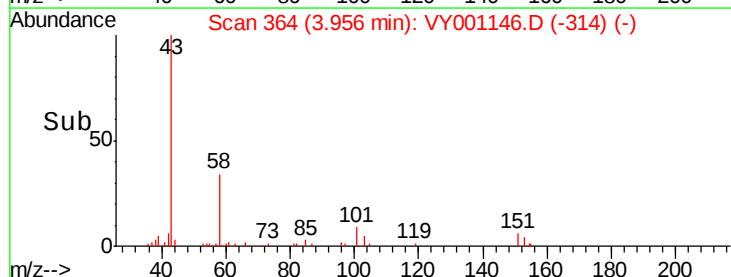
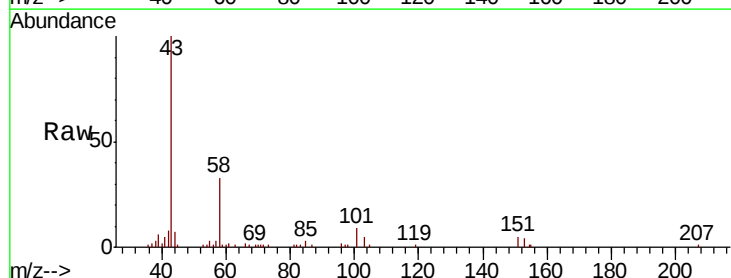
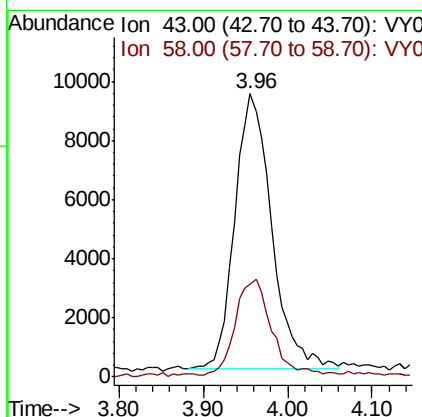
RT: 3.96 min Scan# 364

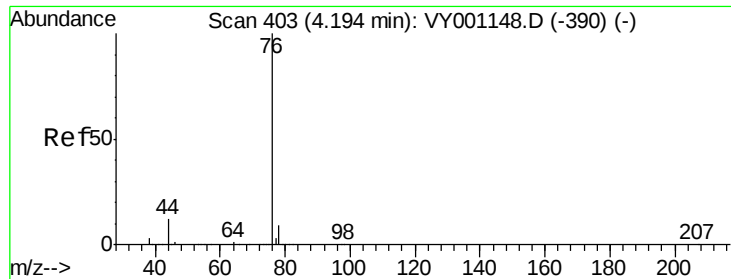
Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion:	43	Resp:	27719
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.8	38.6





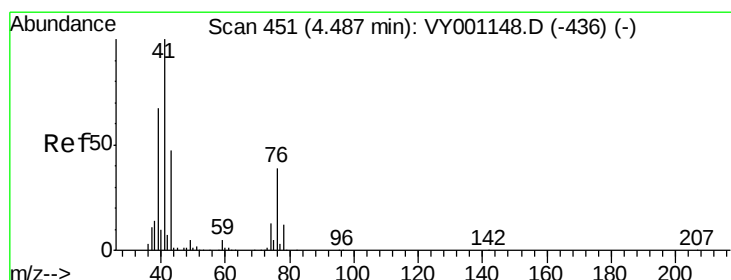
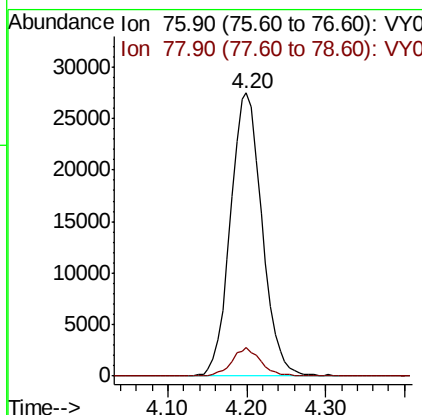
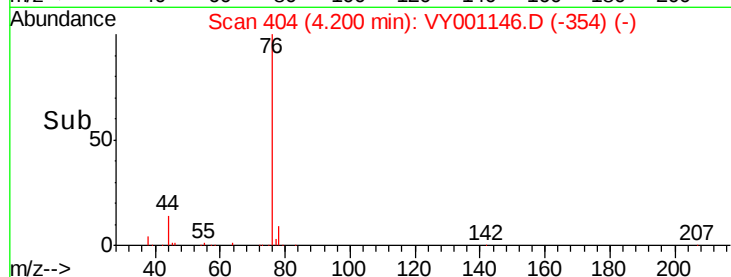
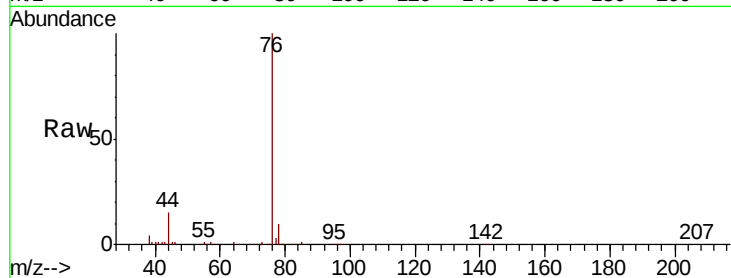
#17
Carbon Disulfide
Concen: 12.263 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.2	10.8

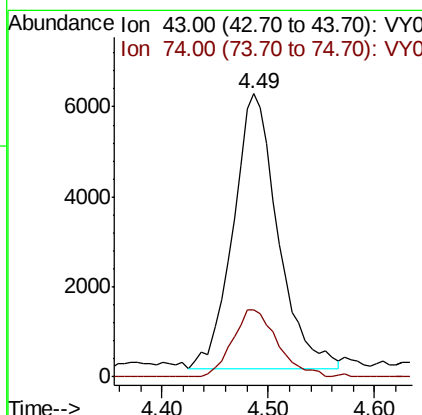
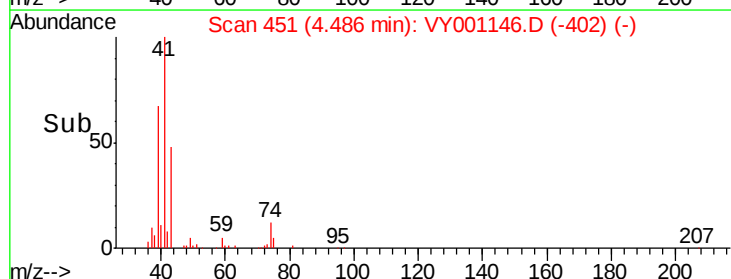
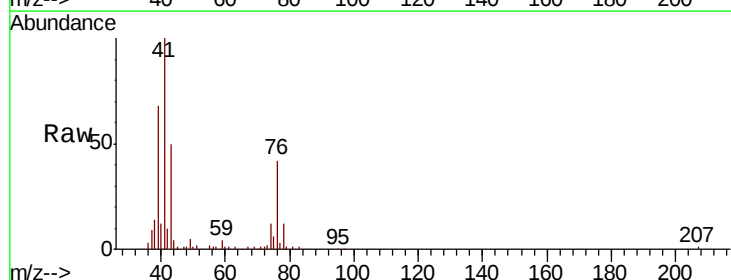
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#18
Methyl Acetate
Concen: 15.087 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.2





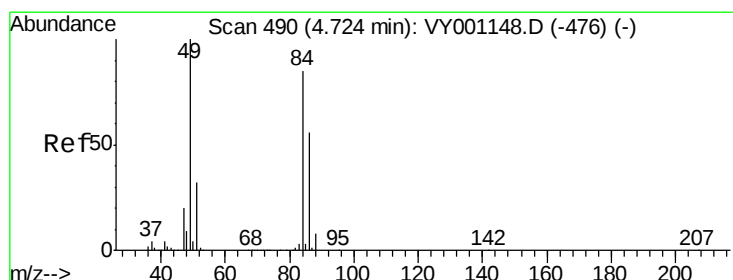
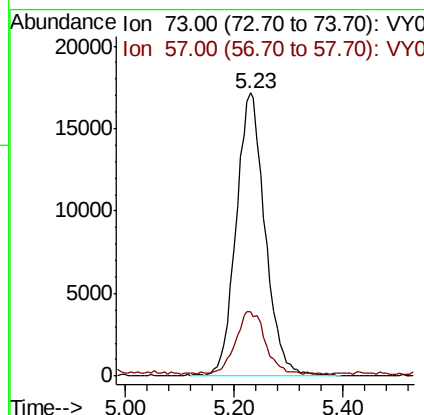
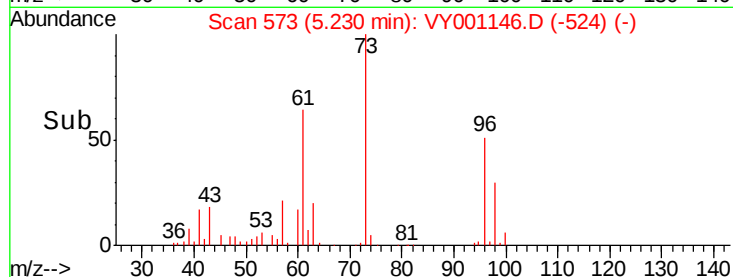
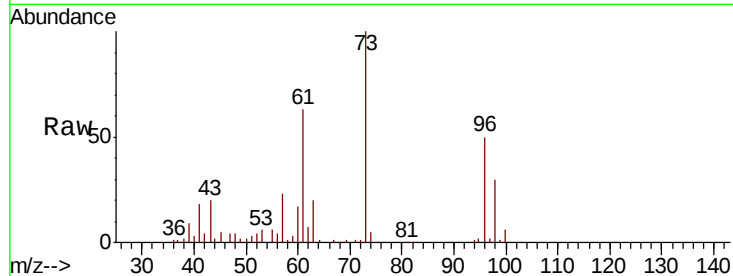
#19
Methyl tert-butyl Ether
Concen: 12.322 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 63435
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.6

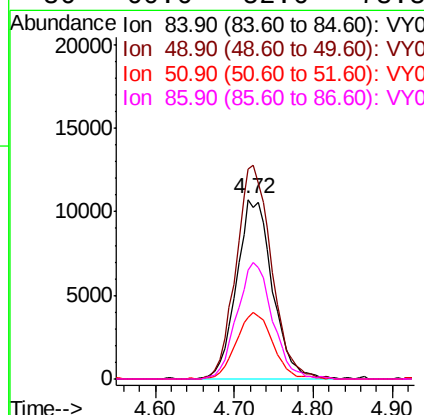
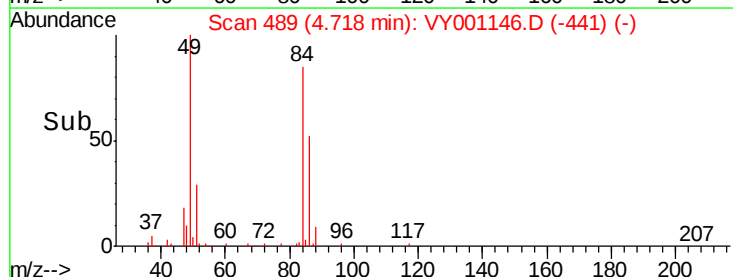
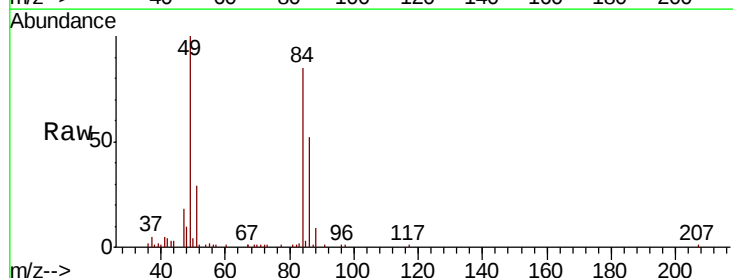
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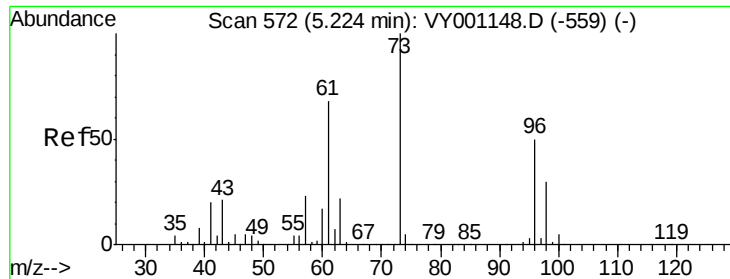
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#20
Methylene Chloride
Concen: 14.019 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 84 Resp: 34090
Ion Ratio Lower Upper
84 100
49 117.3 93.8 140.6
51 34.1 29.9 44.9
86 60.6 52.6 78.8





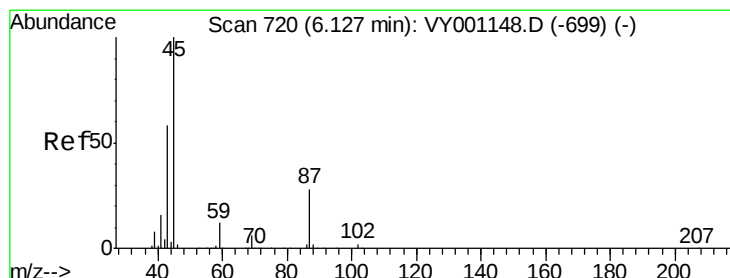
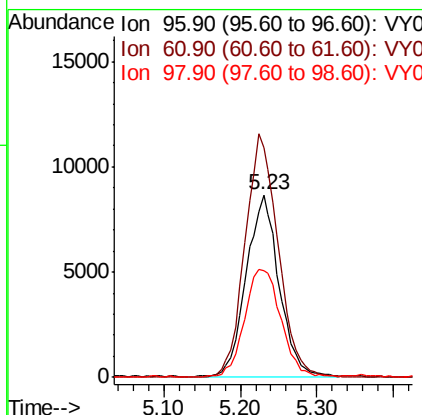
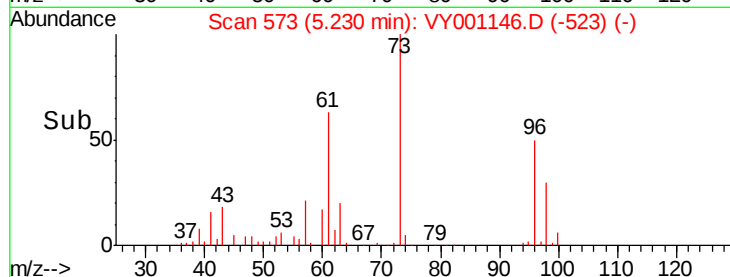
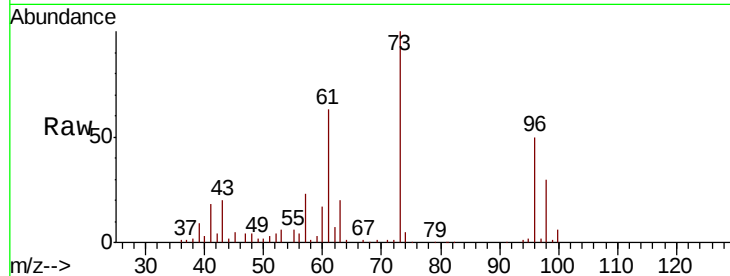
#21
trans-1,2-Dichloroethene
Concen: 11.259 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	107.6	161.4
98	58.7	47.6	71.4

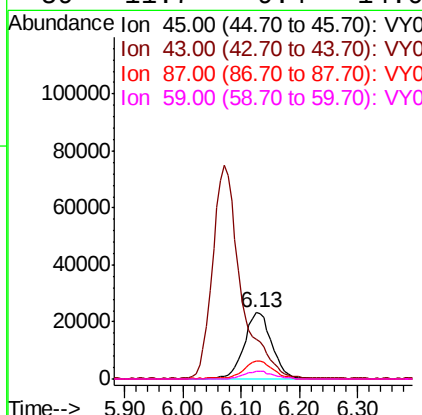
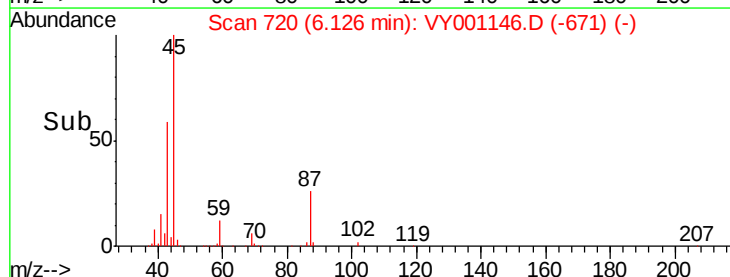
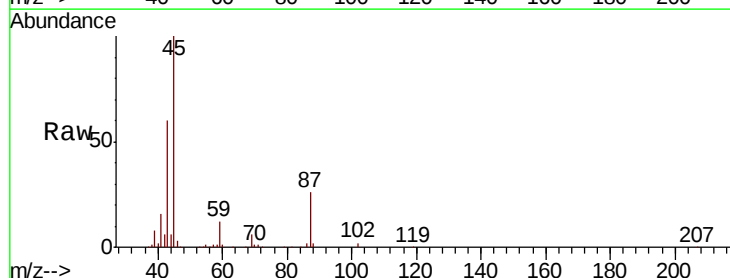
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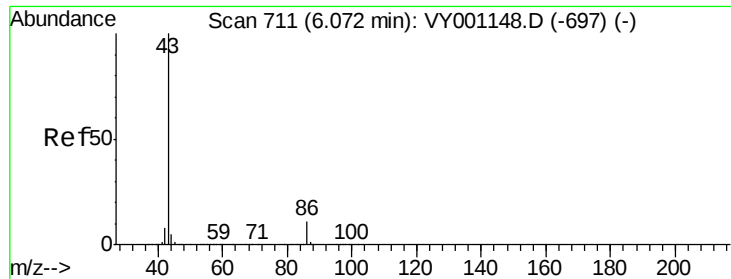
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#22
Diisopropyl ether
Concen: 15.431 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.5	69.7
87	26.4	22.5	33.7
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 79.662 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 251664

Ion Ratio Lower Upper

43 100

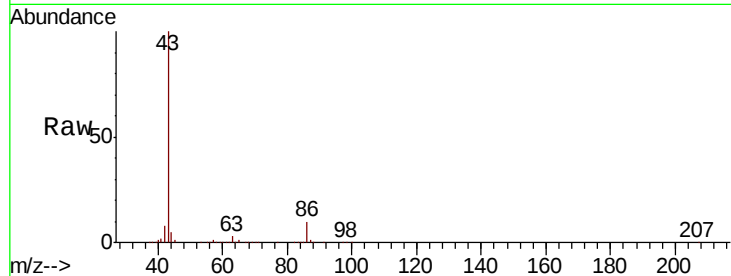
86 9.9 9.0 13.4

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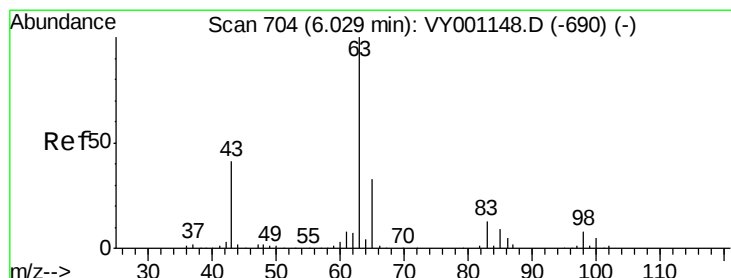
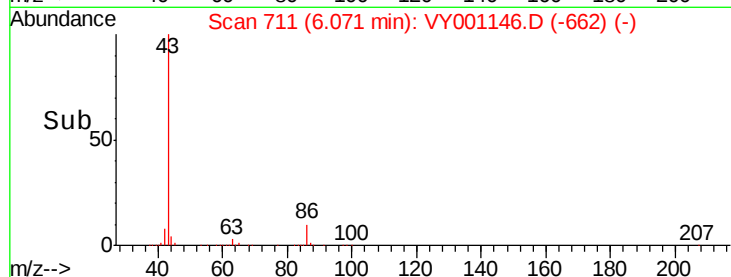
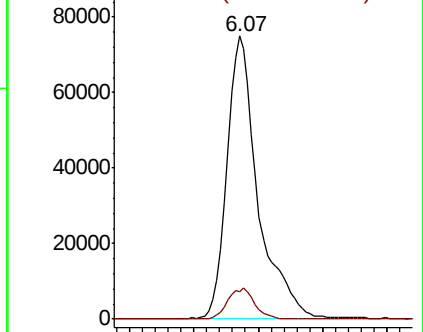
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 13.208 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

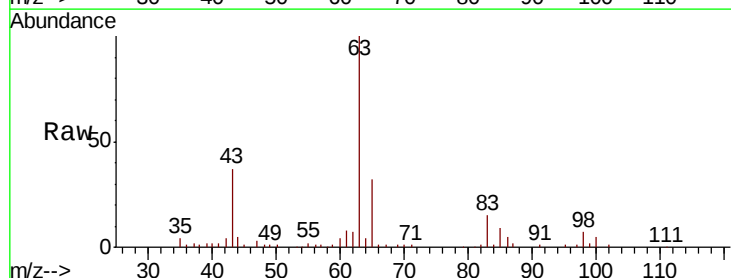
Tgt Ion: 63 Resp: 43148

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

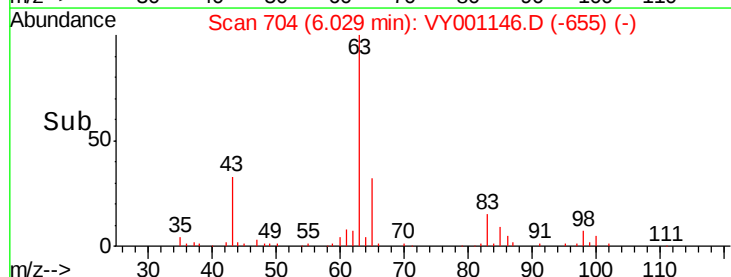
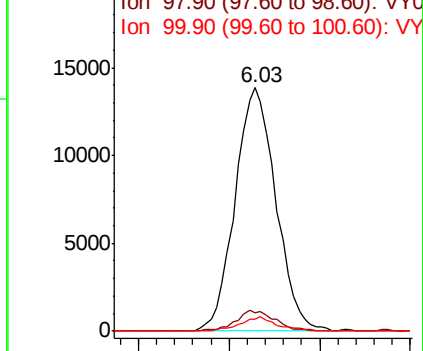
100 4.7 2.4 7.2

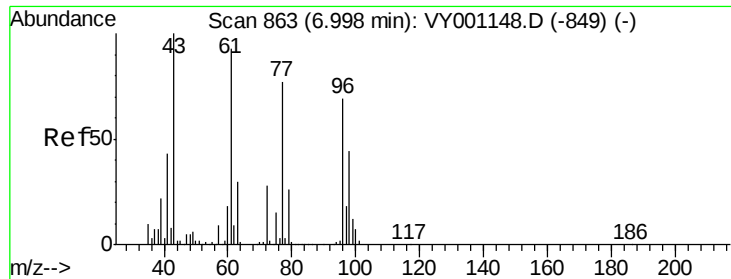


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 67.016 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 42225

Ion Ratio Lower Upper

43 100

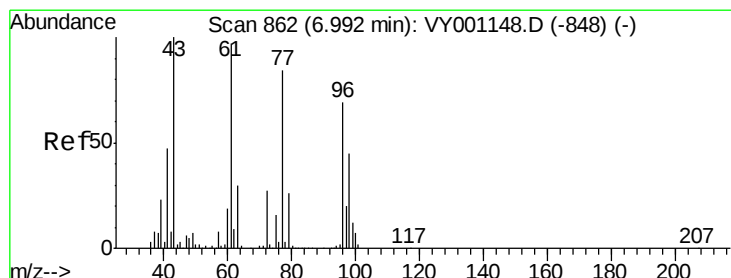
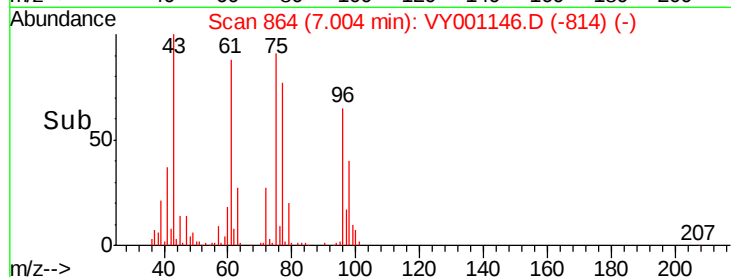
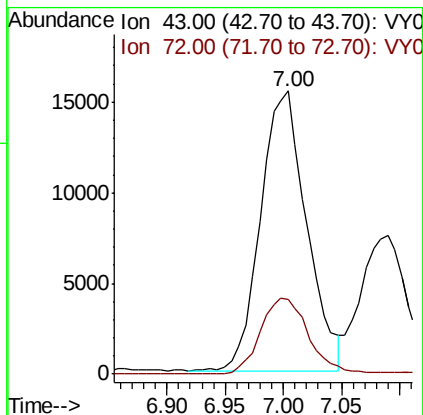
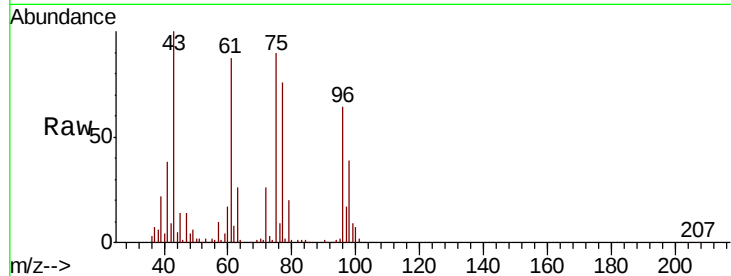
72 26.6 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 11.778 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001146.D

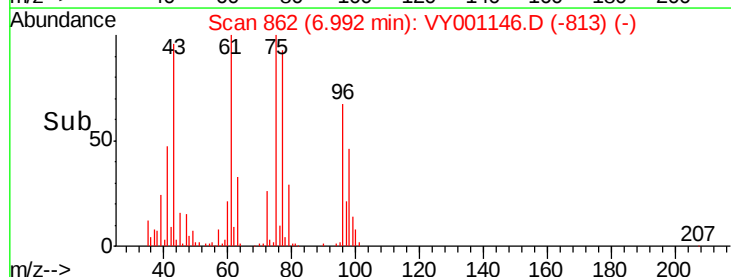
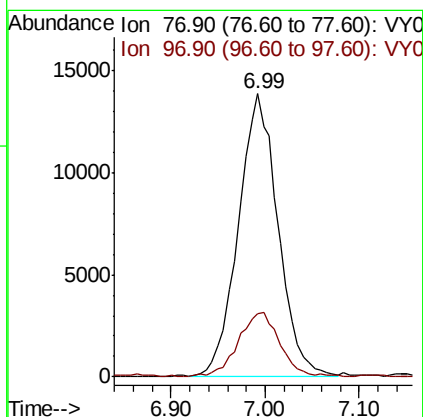
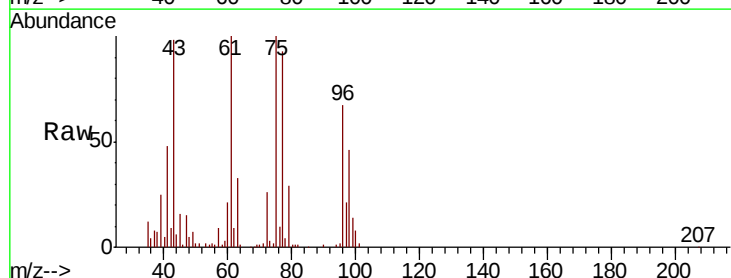
Acq: 10 Jan 2020 14:19

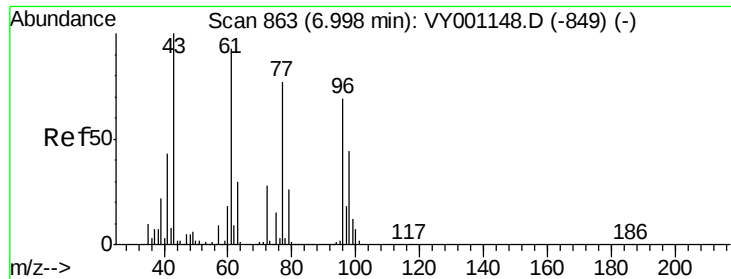
Tgt Ion: 77 Resp: 40928

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.7





#27

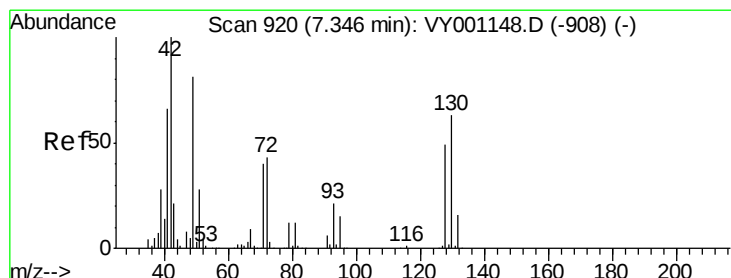
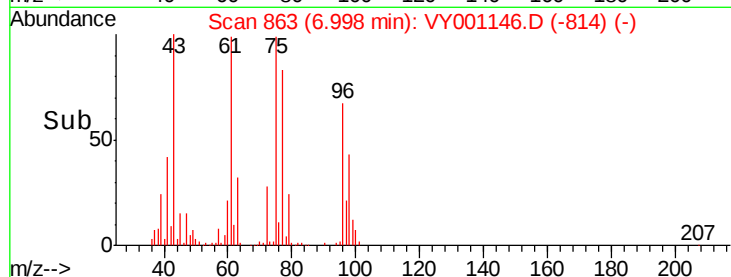
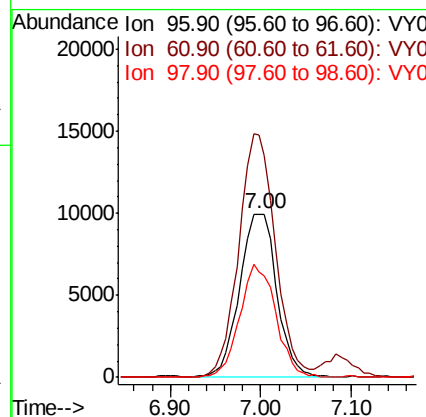
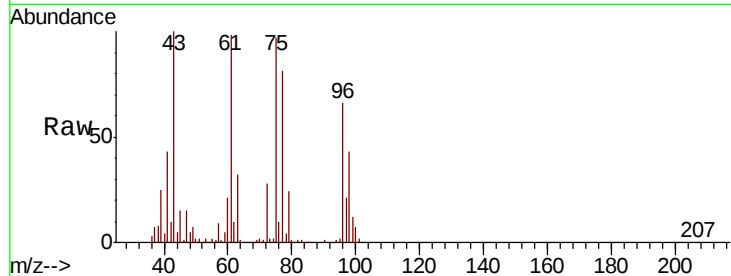
cis-1,2-Dichloroethene
Concen: 10.412 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	284.0
98	66.4	0.0	130.2

Manual Integrations
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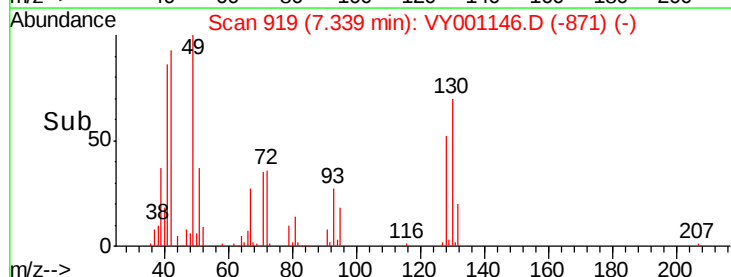
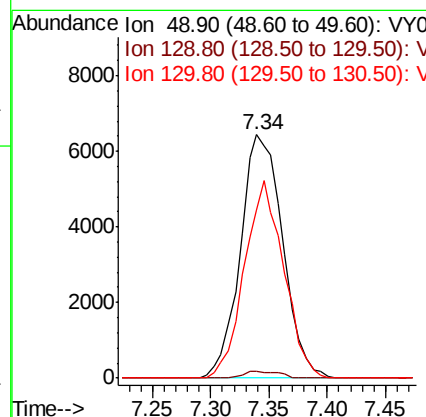
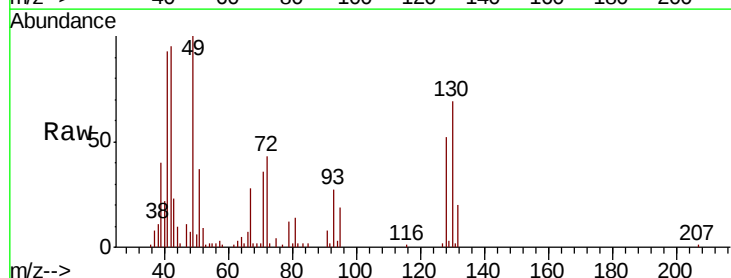
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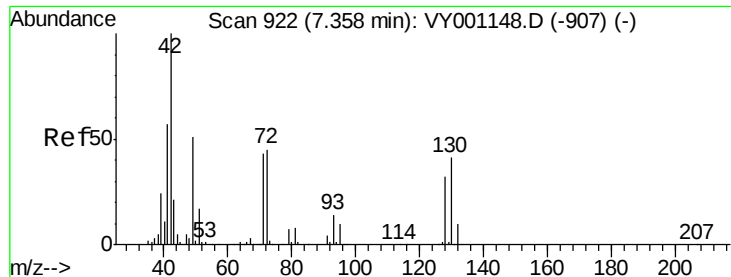


#28

Bromochloromethane
Concen: 12.669 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	75.5	61.2	91.8





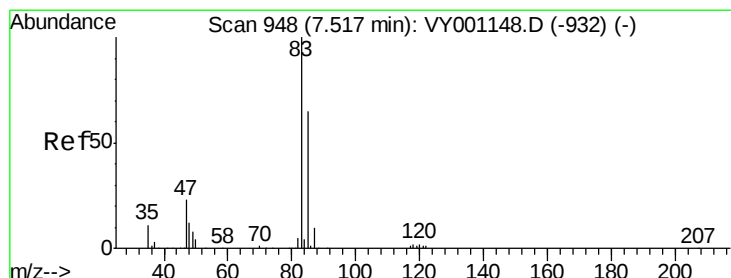
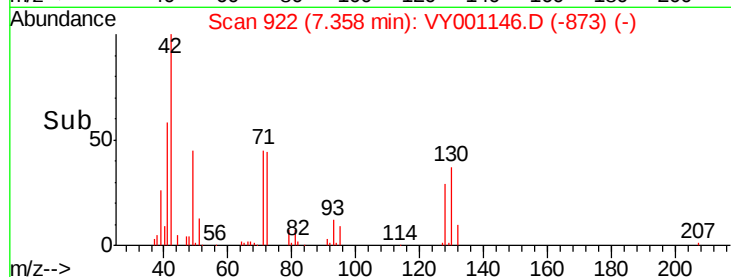
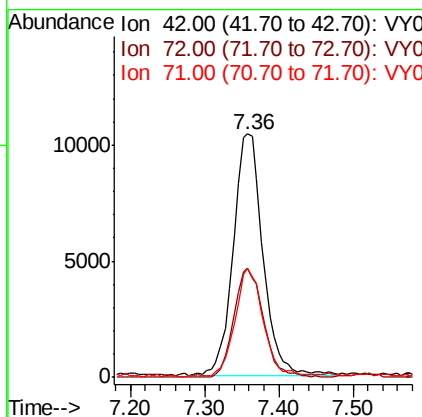
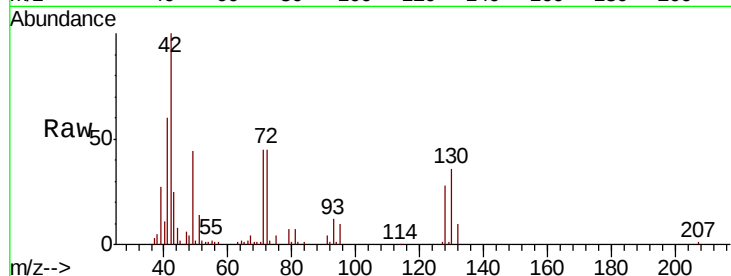
#29
Tetrahydrofuran
Concen: 68.471 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.9	55.3
71	42.1	34.0	51.0

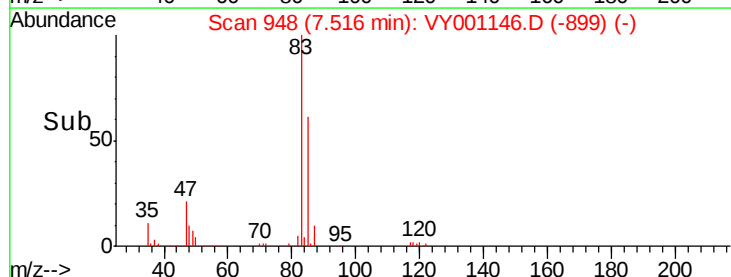
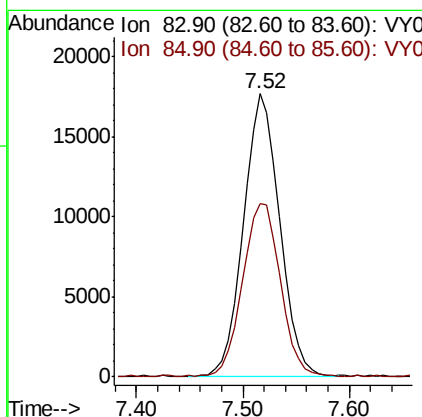
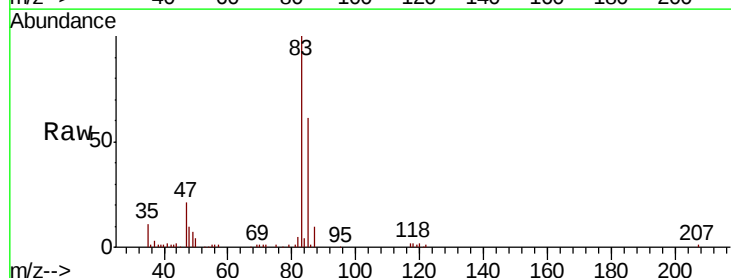
Manual Integrations
APPROVED

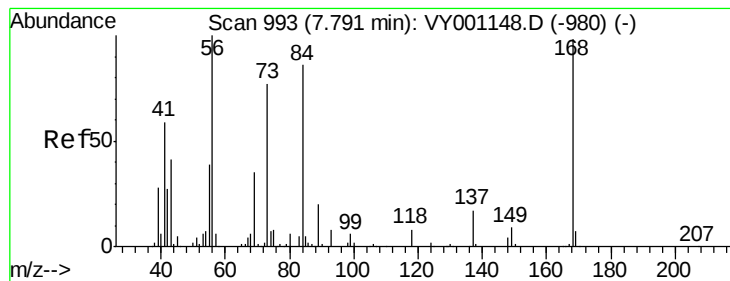
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#30
Chloroform
Concen: 10.799 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9





#31

Cyclohexane

Concen: 12.449 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 47352

Ion Ratio Lower Upper

56 100

69 44.3 27.8 41.8#

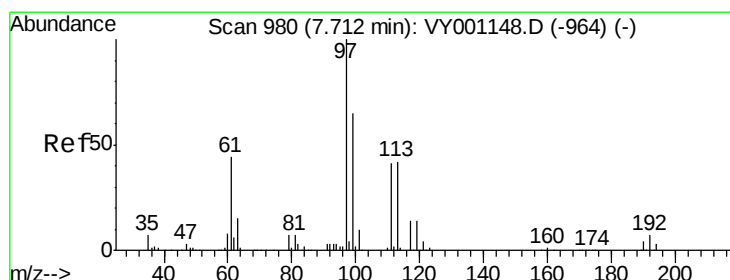
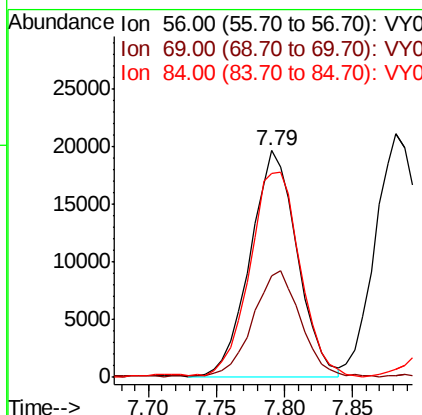
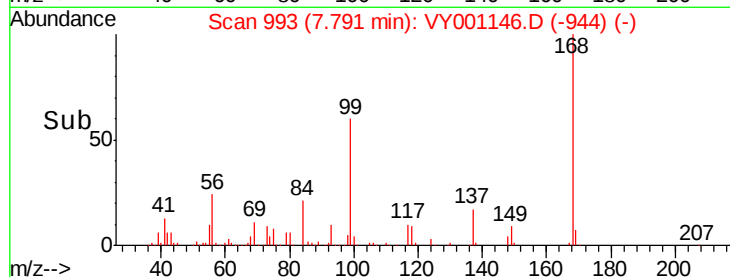
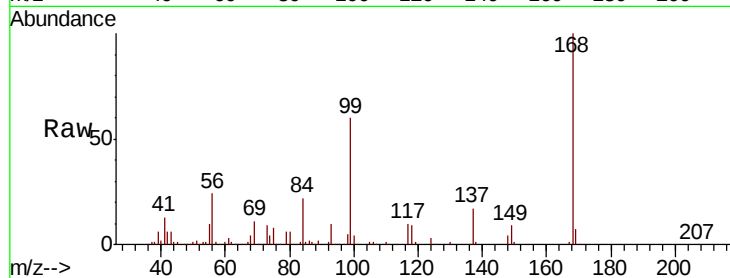
84 89.7 68.9 103.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 10.538 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

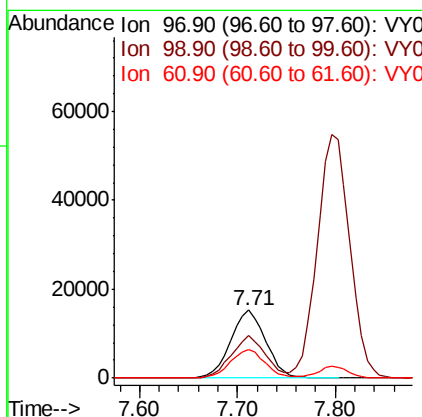
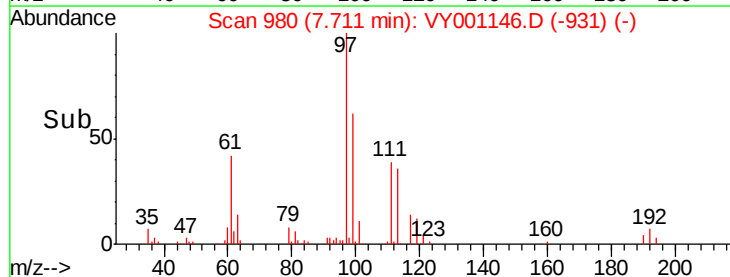
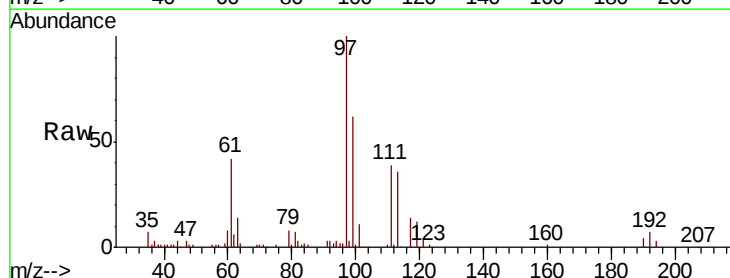
Tgt Ion: 97 Resp: 38123

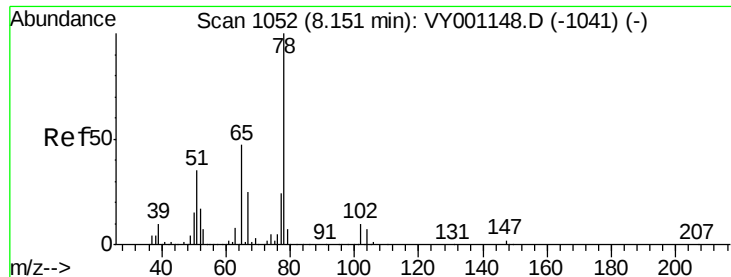
Ion Ratio Lower Upper

97 100

99 61.6 51.3 76.9

61 42.1 34.6 52.0





#33

1,2-Dichloroethane-d4

Concen: 11.638 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 22748

Ion Ratio Lower Upper

65 100

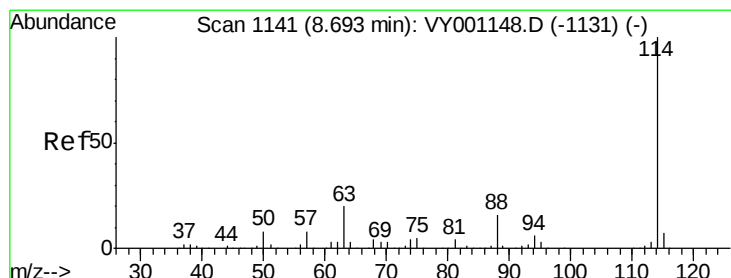
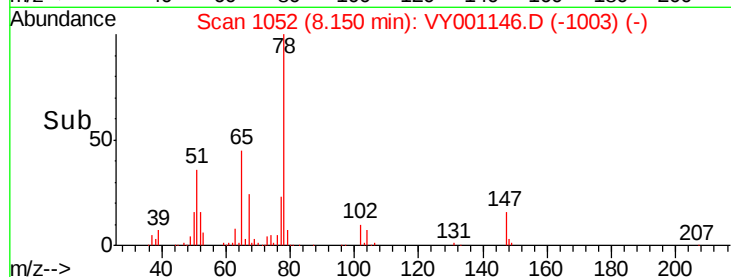
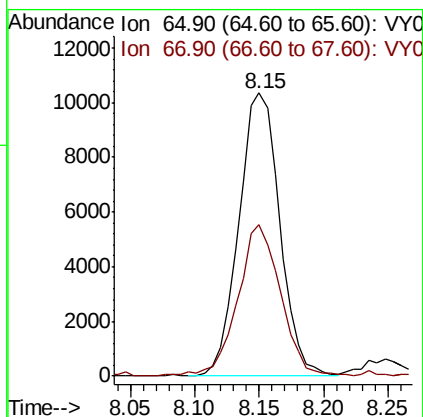
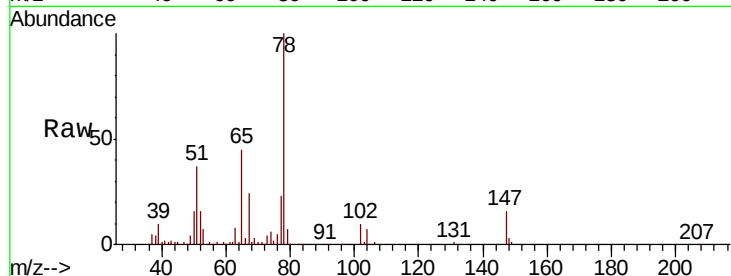
67 56.4 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

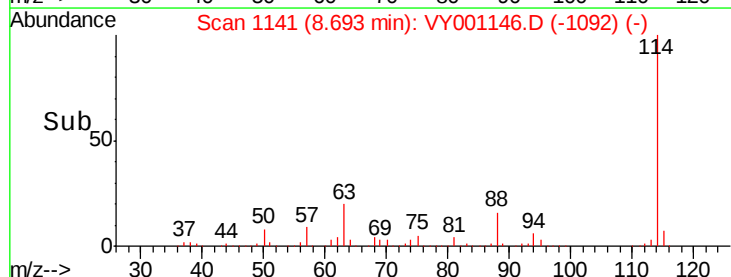
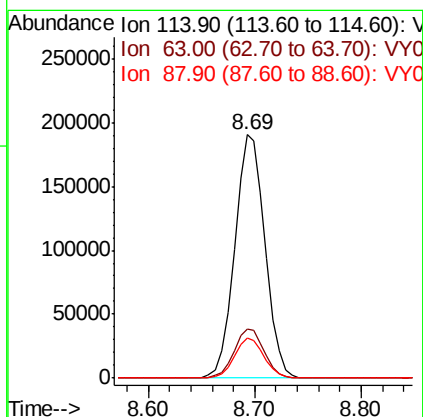
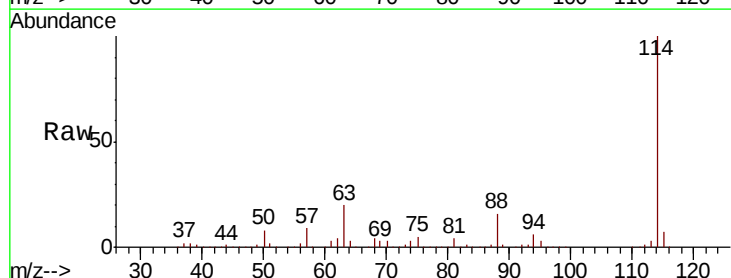
Tgt Ion: 114 Resp: 377146

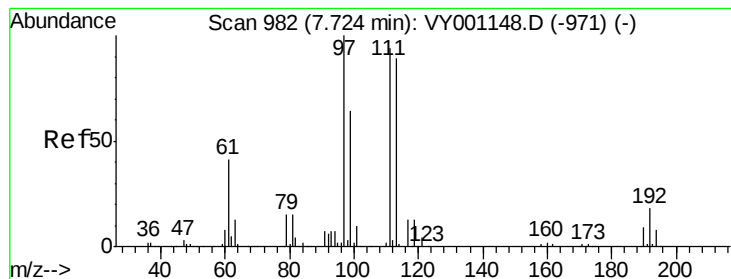
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 11.099 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

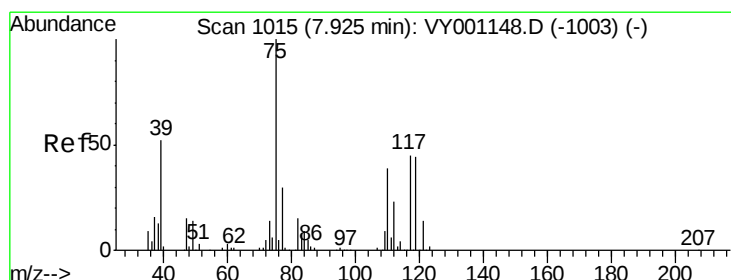
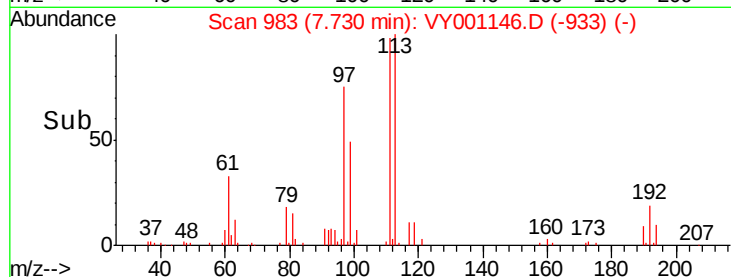
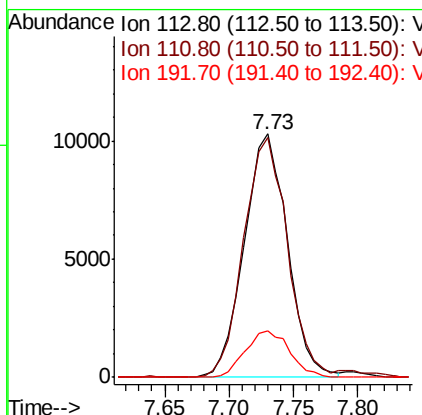
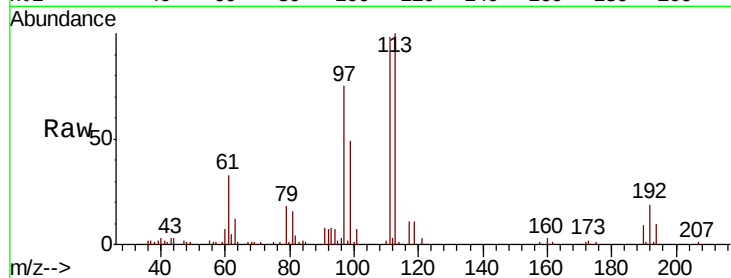
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	23855
Ion Ratio	Lower	Upper	
113	100		
111	100.1	82.9	124.3
192	19.6	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.711 ug/l

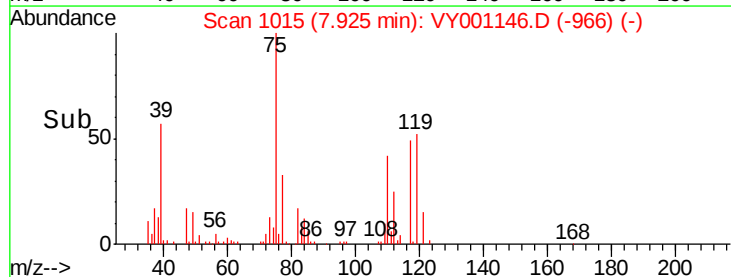
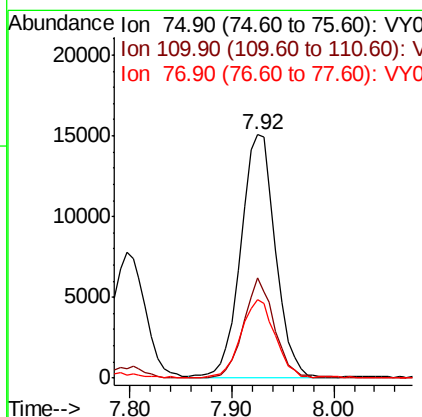
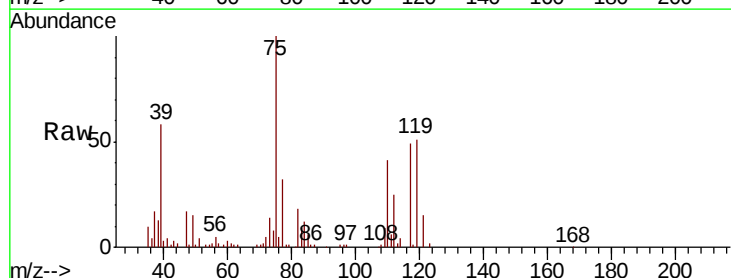
RT: 7.92 min Scan# 1015

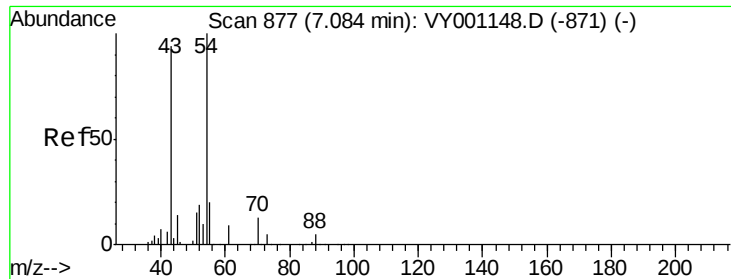
Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion:	75	Resp:	35282
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.3	54.8
77	32.1	25.1	37.7





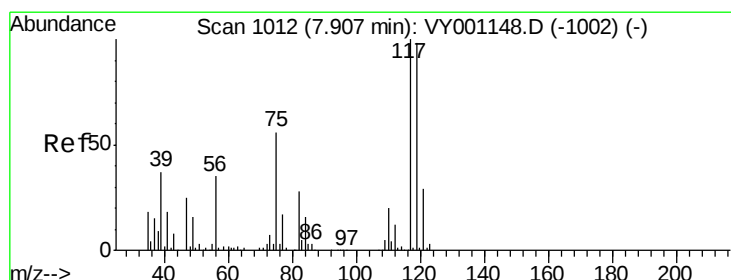
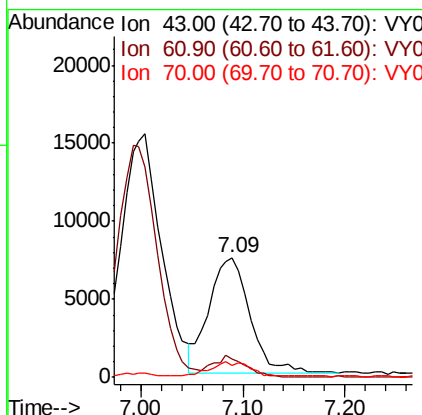
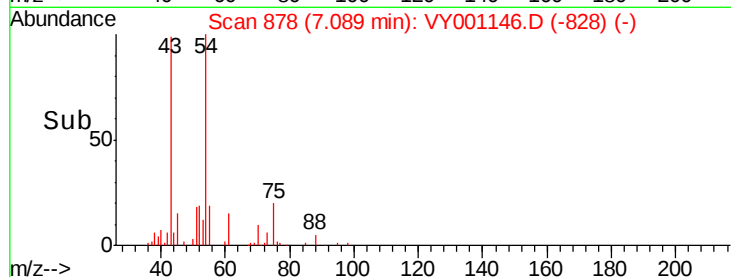
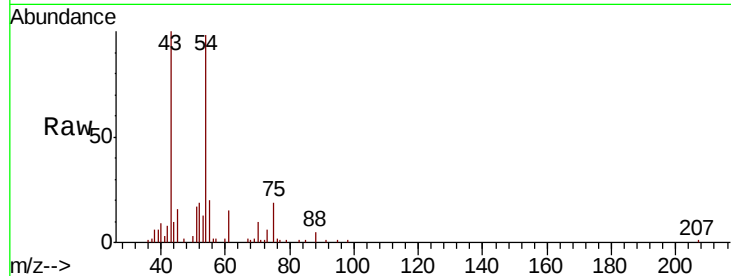
#37
Ethyl Acetate
Concen: 14.203 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	11.5	9.7	14.5

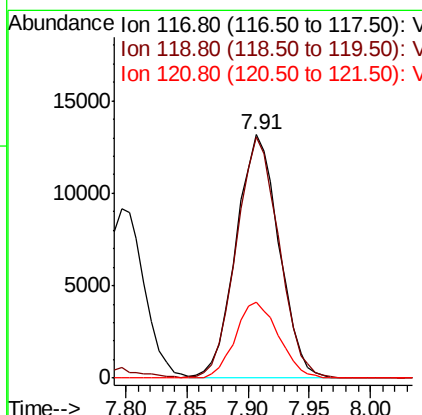
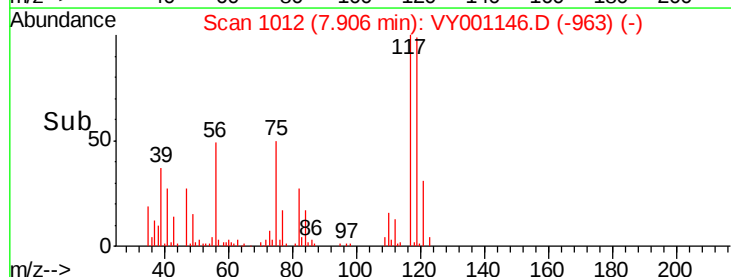
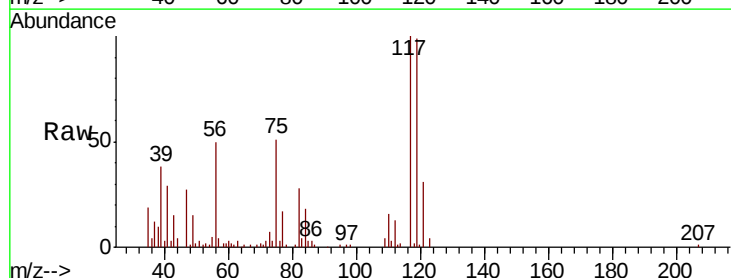
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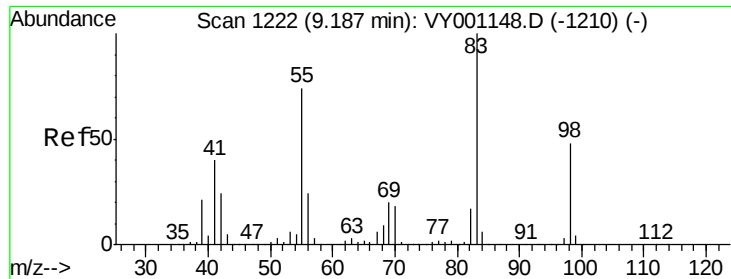
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#38
Carbon Tetrachloride
Concen: 9.579 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.3	117.5
121	30.9	23.5	35.3





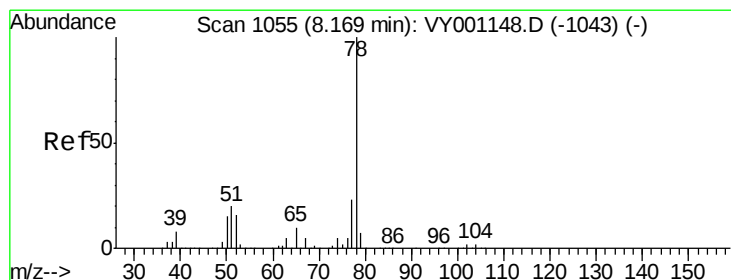
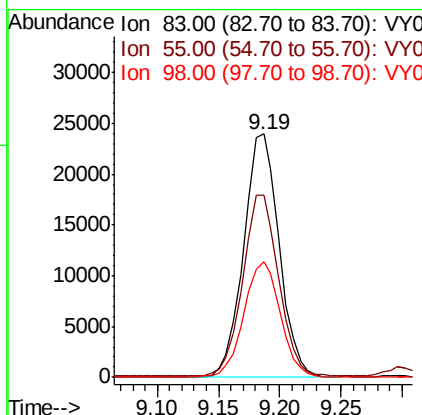
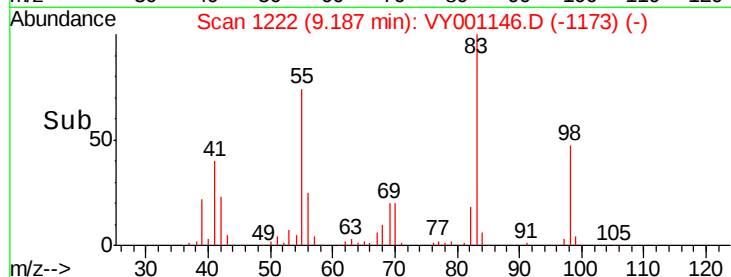
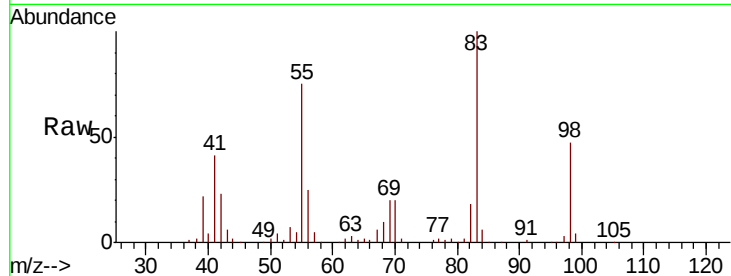
#39
Methylvlcvclohexane
Concen: 10.660 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83.00	Resp	48503
Ion Ratio	100	Lower	Upper
83	100		
55	74.1	58.9	88.3
98	47.3	38.4	57.6

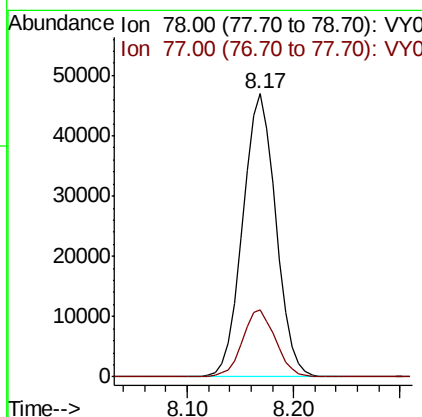
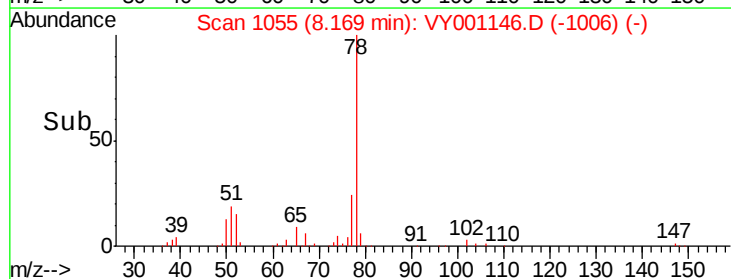
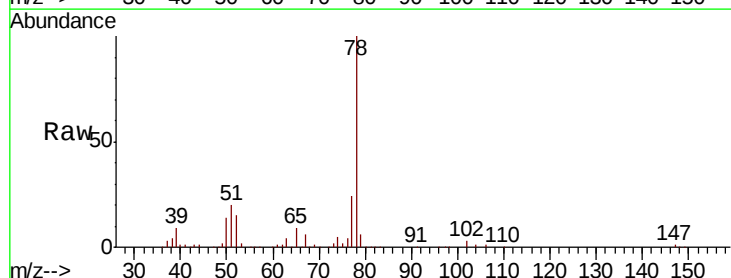
Manual Integrations
APPROVED

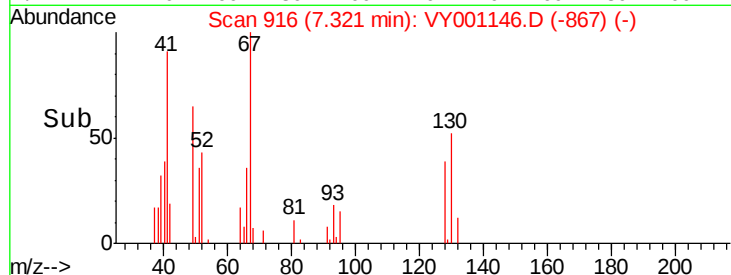
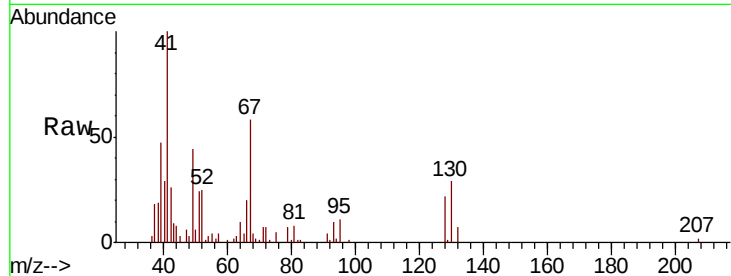
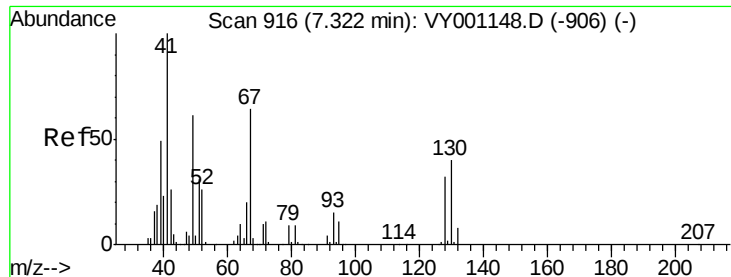
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#40
Benzene
Concen: 10.213 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	78	Resp	102739
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2





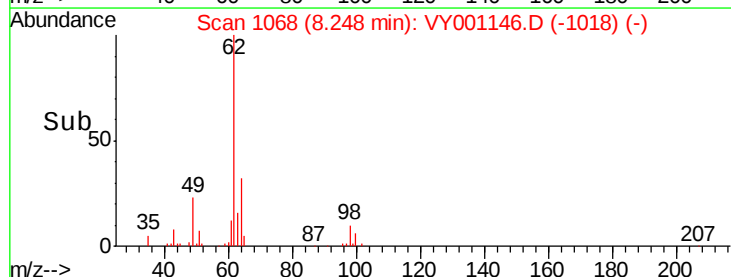
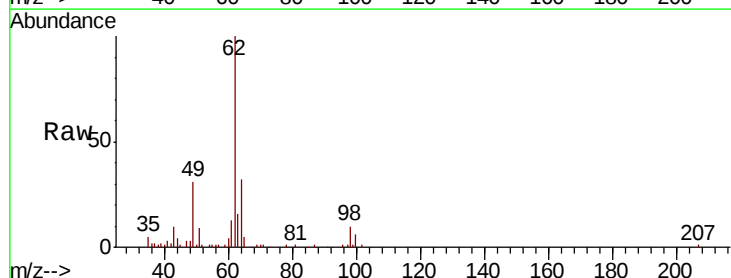
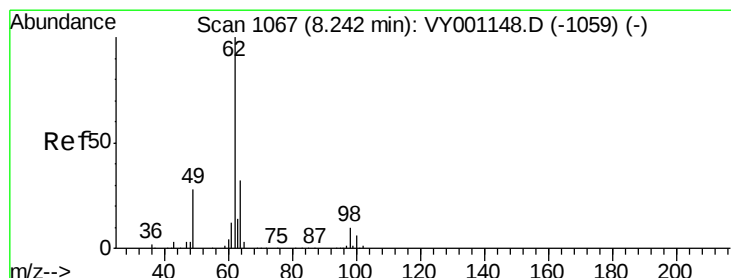
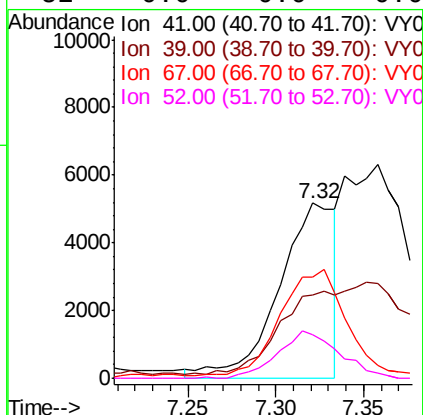
#41
Methacrylonitrile
Concen: 16.074 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tot Ion	Ratio	Lower	Upper
41	100		
39	108.7	103.5	155.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

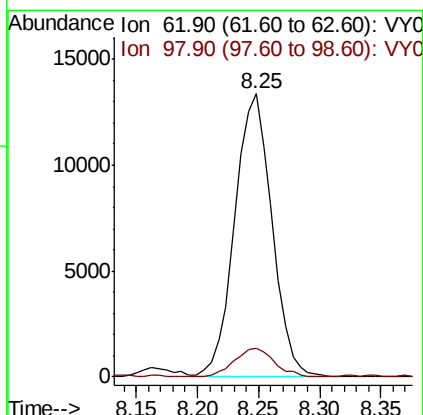
Manual Integrations
APPROVED

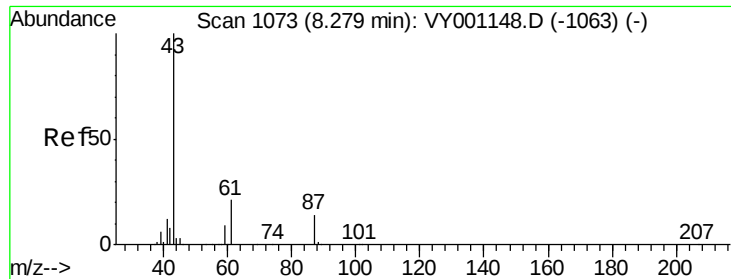
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#42
1,2-Dichloroethane
Concen: 11.439 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.4





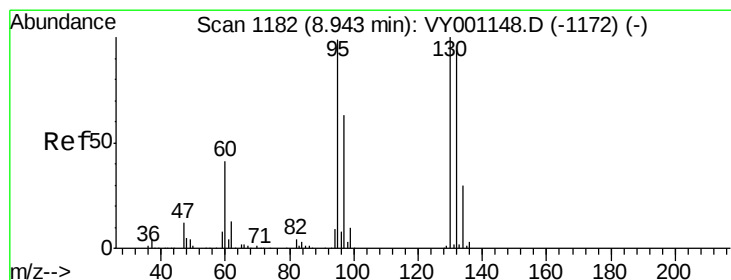
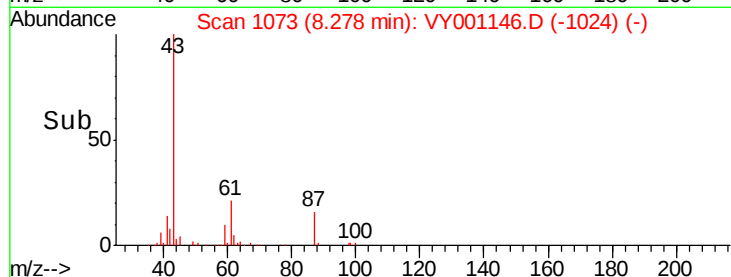
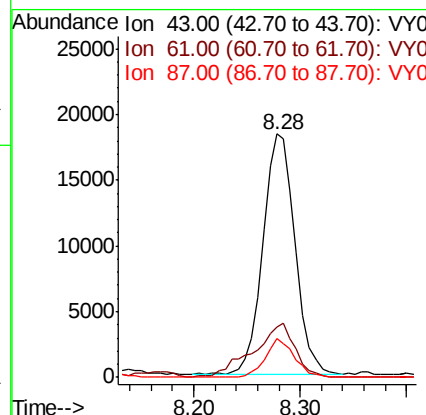
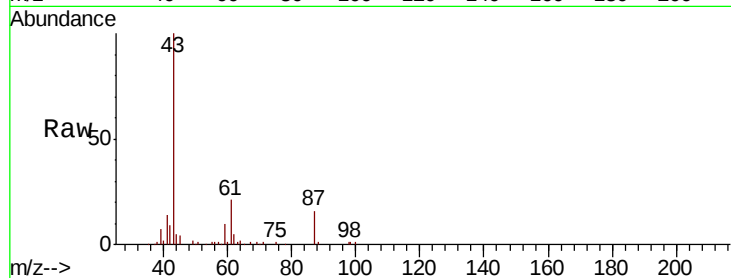
#43
Isopropyl Acetate
Concen: 13.418 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.9	35.9
87	14.5	11.4	17.2

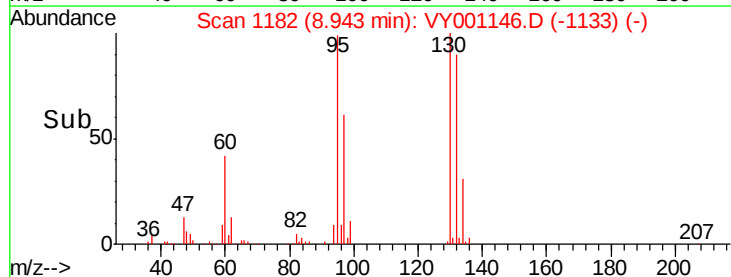
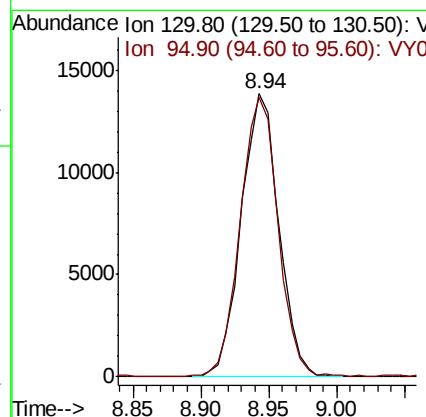
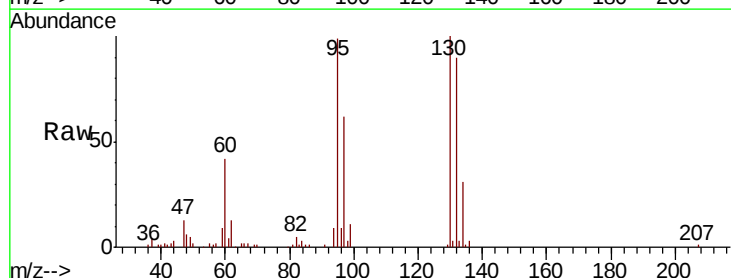
Manual Integrations
APPROVED

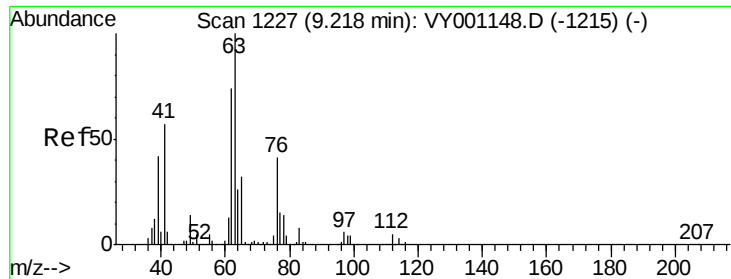
MMDadoda
1/13/2020 12:38:47 PM



#44
Trichloroethene
Concen: 9.025 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	197.6





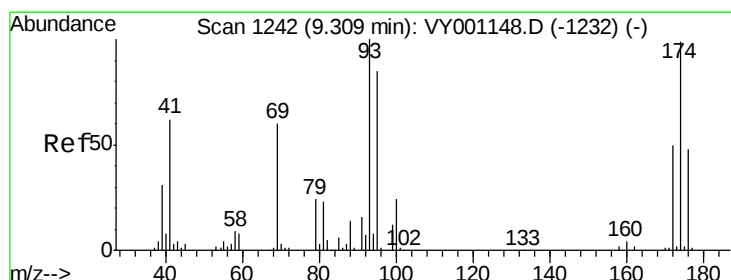
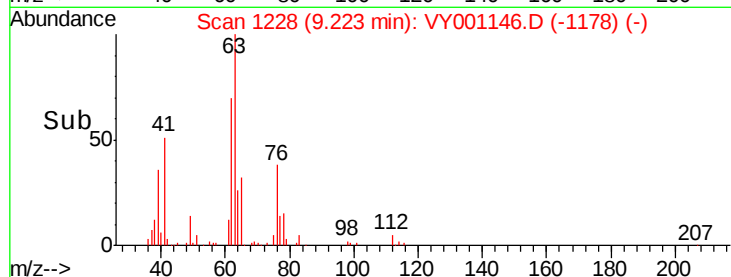
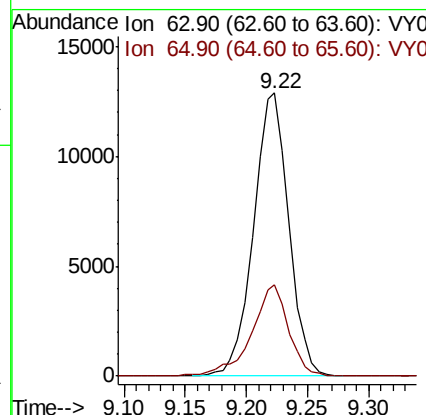
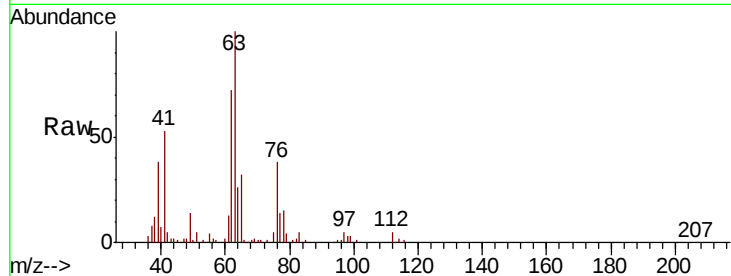
#45
 1,2-Dichloropropane
 Concen: 11.330 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.8

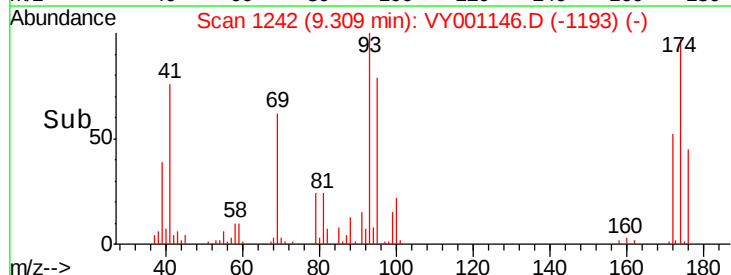
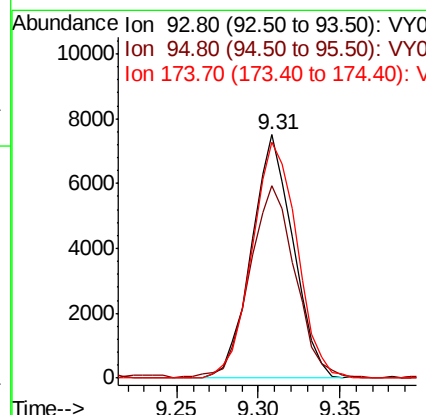
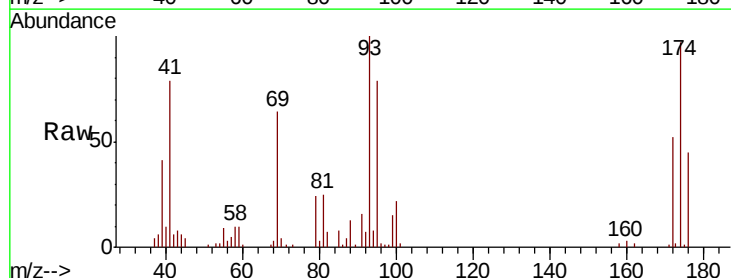
Manual Integrations
 APPROVED

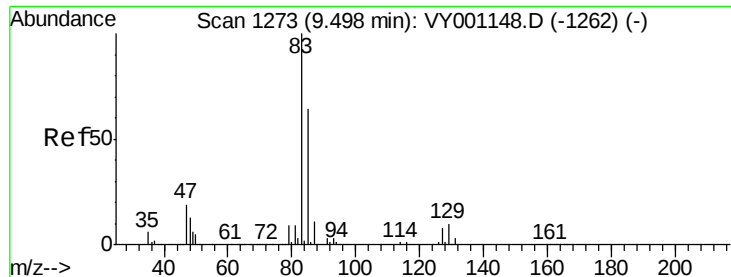
MMDadoda
 1/13/2020 12:38:47 PM



#46
 Dibromomethane
 Concen: 9.987 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.8	66.8	100.2
174	104.7	78.4	117.6





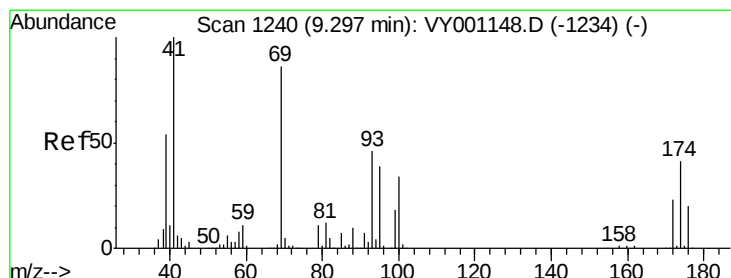
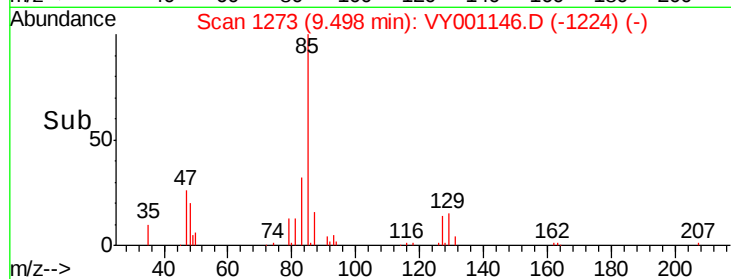
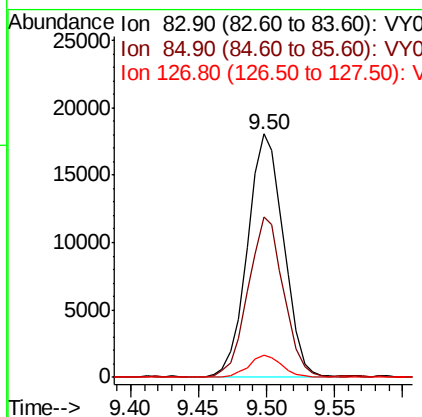
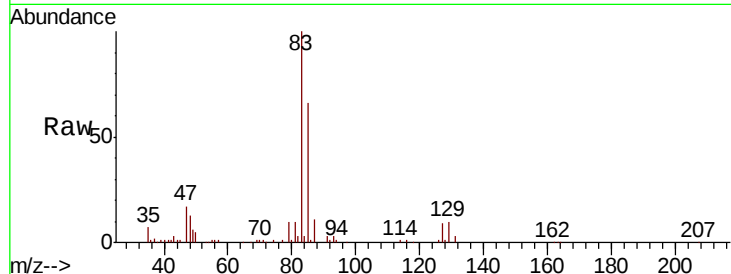
#47
Bromodichloromethane
Concen: 11.103 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	33700
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	9.3	6.3	9.5

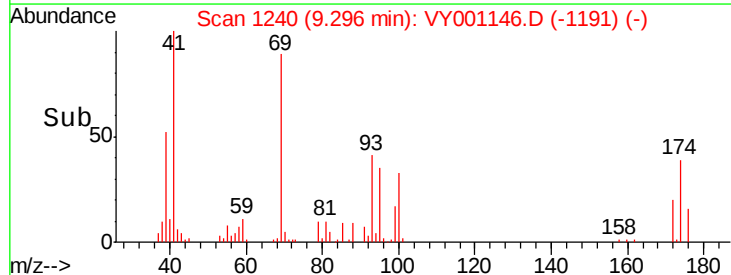
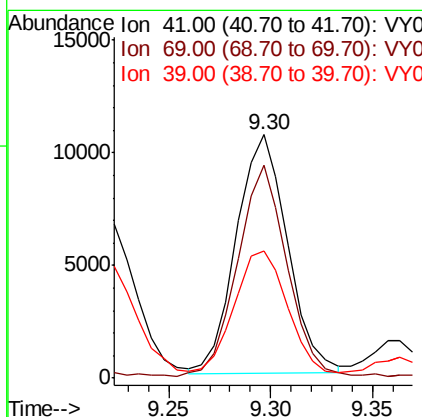
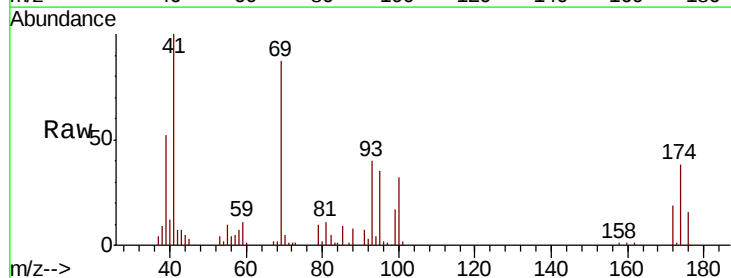
Manual Integrations
APPROVED

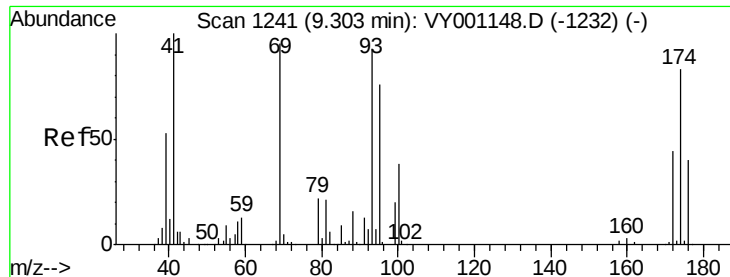
MMDadoda
1/13/2020 12:38:47 PM



#48
Methyl methacrylate
Concen: 14.708 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	41	Resp	18474
Ion Ratio	100	Lower	Upper
41	100		
69	84.6	69.8	104.8
39	54.2	45.2	67.8





#49

1,4-Dioxane

Concen: 172.732 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 88 Resp: 3408

Ion Ratio Lower Upper

88 100

43 37.7 22.4 33.6#

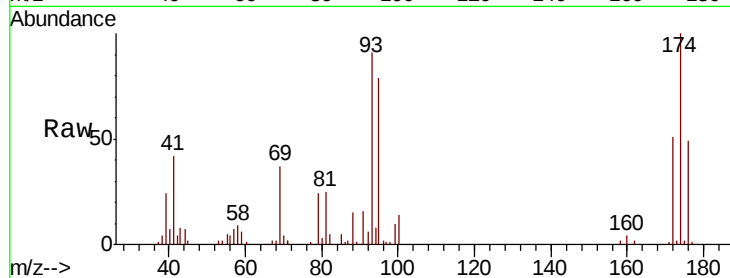
58 71.4 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

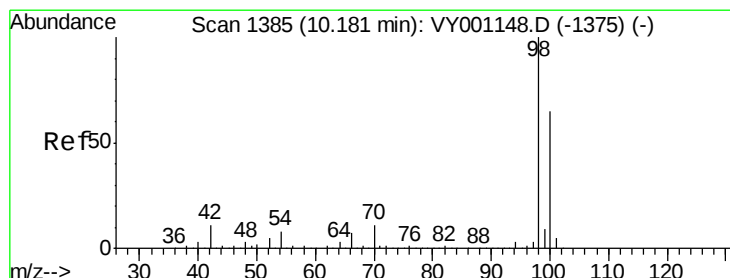
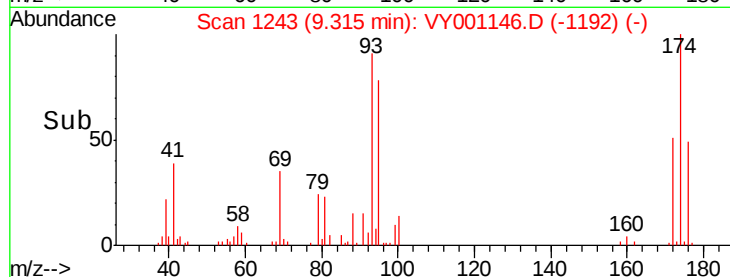
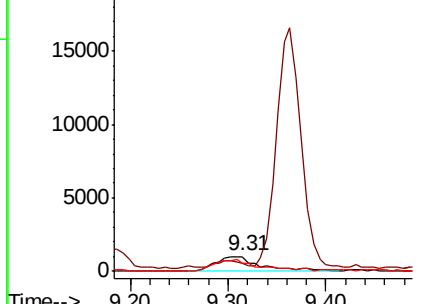
1/13/2020 12:38:47 PM



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 9.866 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001146.D

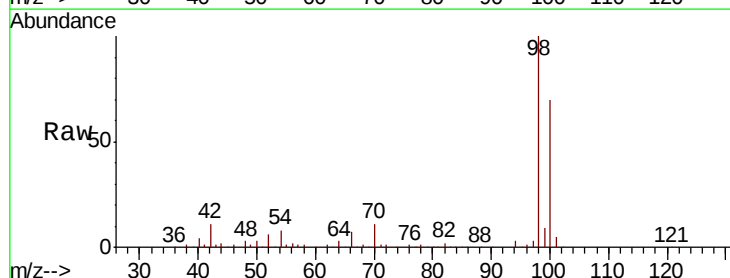
Acq: 10 Jan 2020 14:19

Tgt Ion: 98 Resp: 79050

Ion Ratio Lower Upper

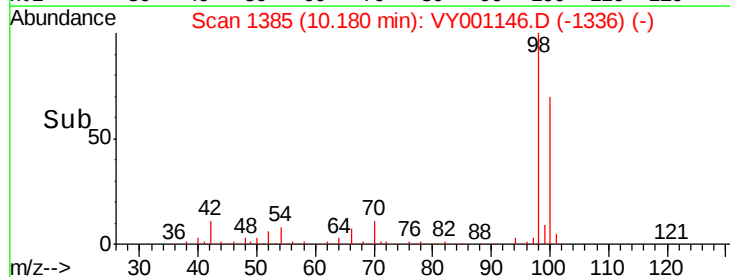
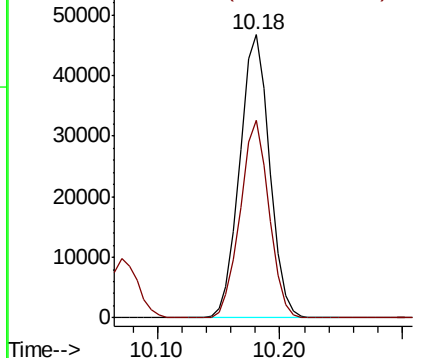
98 100

100 67.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





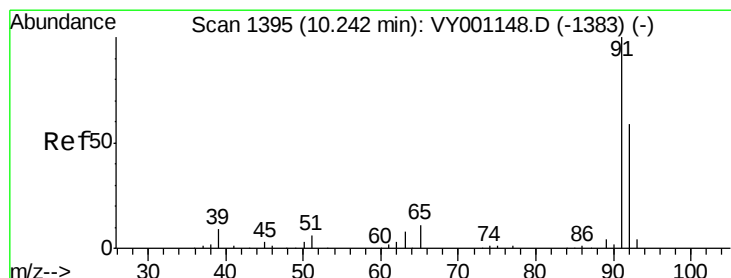
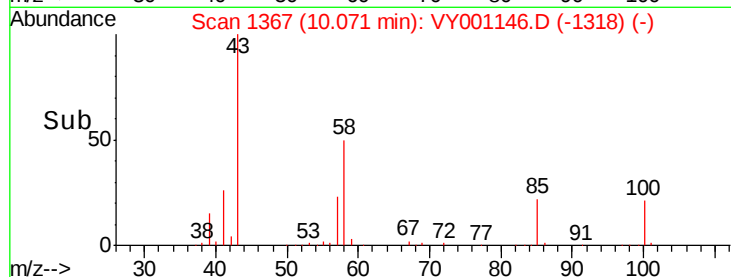
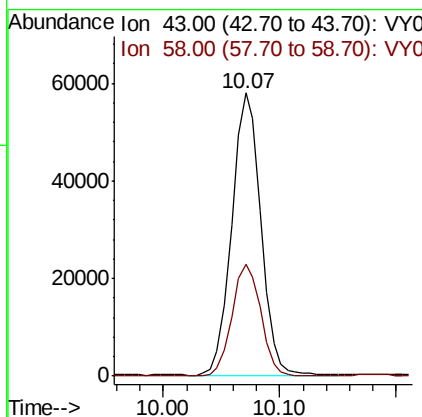
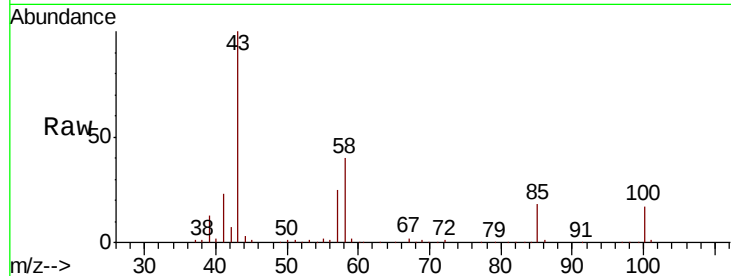
#51
4-Methyl-2-Pentanone
Concen: 72.027 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.3	48.5

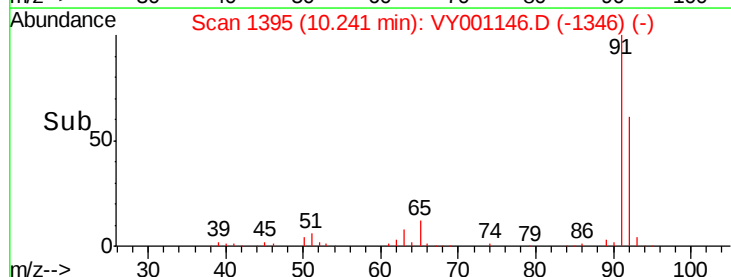
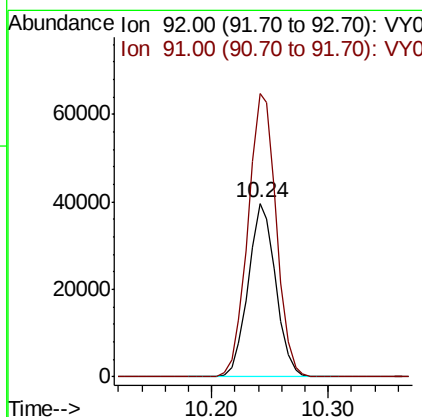
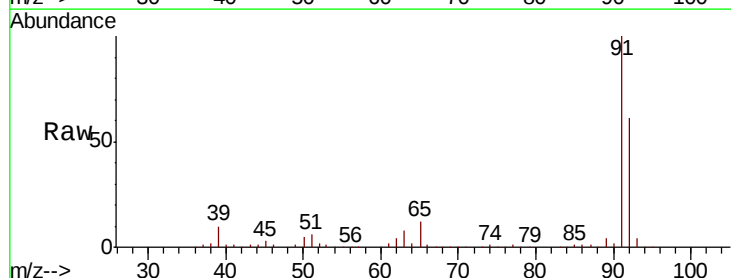
Manual Integrations
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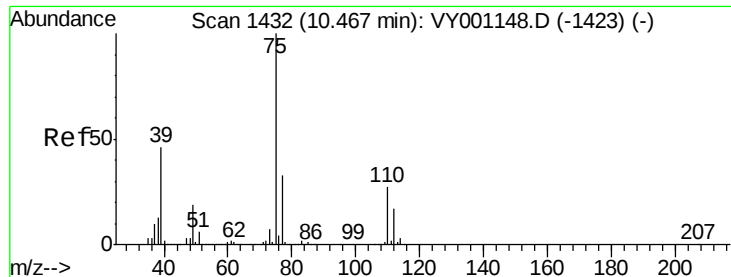
MMDadoda
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#52
Toluene
Concen: 10.467 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.7	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 11.459 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 75 Resp: 36773

Ion Ratio Lower Upper

75 100

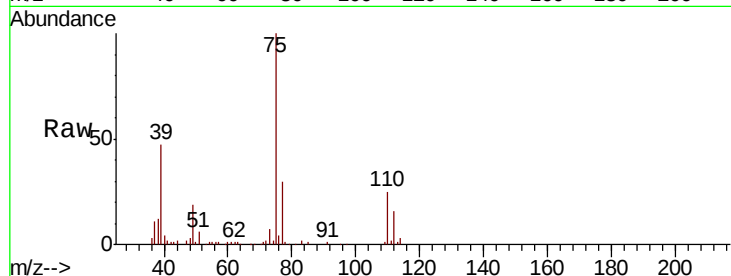
77 30.2 26.2 39.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

25000

20000

15000

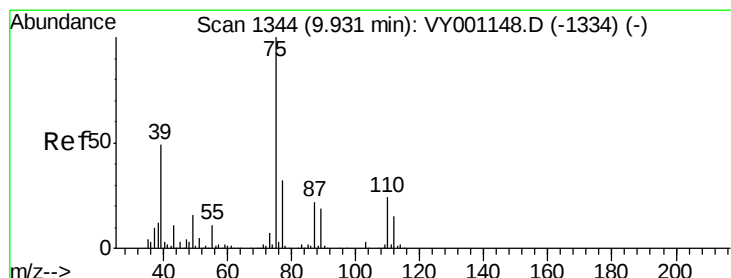
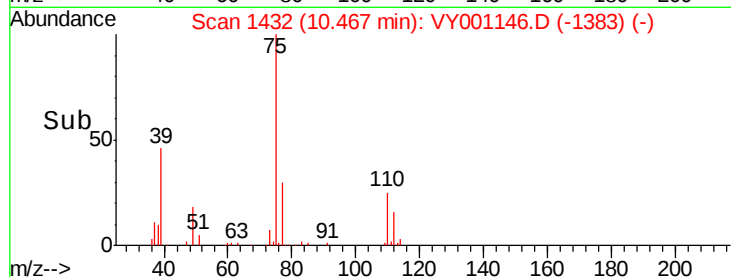
10000

5000

0

10.40 10.45 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 11.096 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

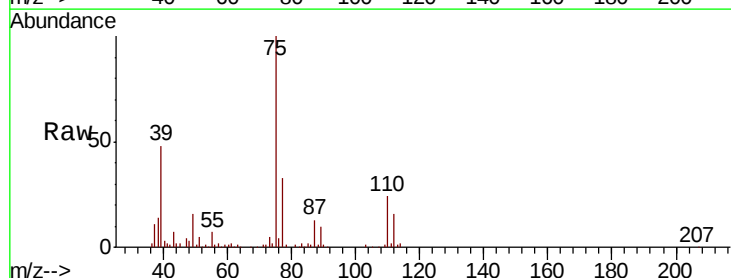
Tgt Ion: 75 Resp: 41809

Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

39 47.3 39.1 58.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

30000

25000

20000

15000

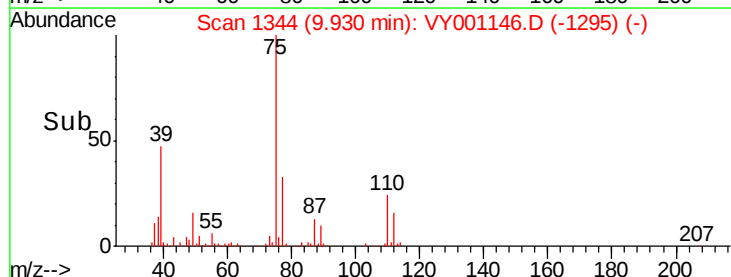
10000

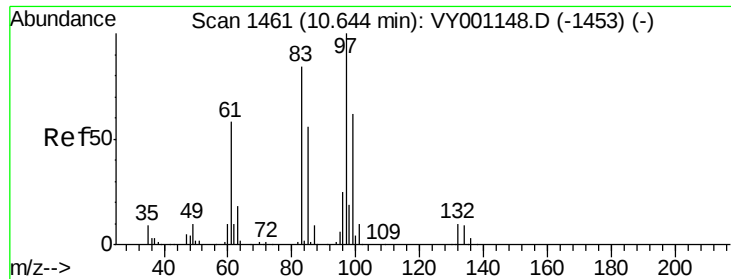
5000

0

9.85 9.90 9.95 10.00

Time-->





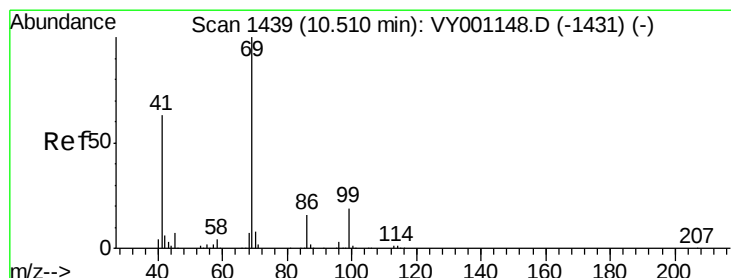
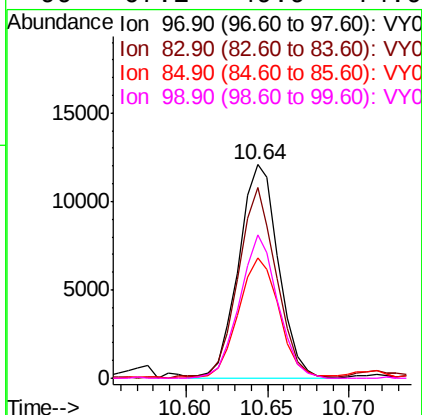
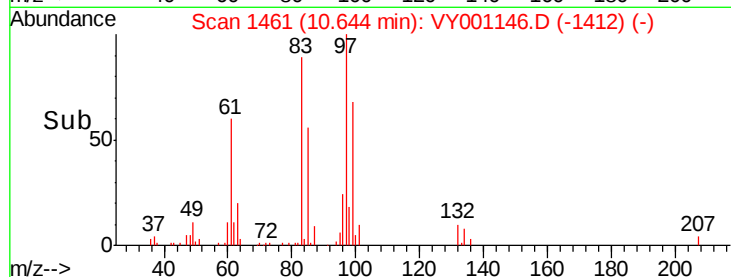
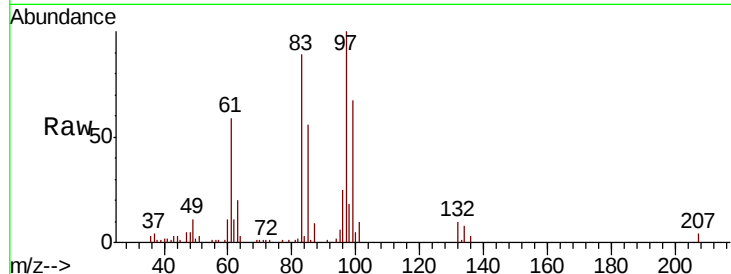
#55
 1,1,2-Trichloroethane
 Concen: 10.754 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	20570
Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.2	100.8
85	55.5	44.9	67.3
99	67.2	49.9	74.9

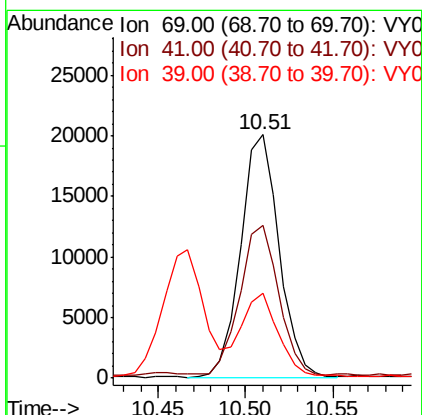
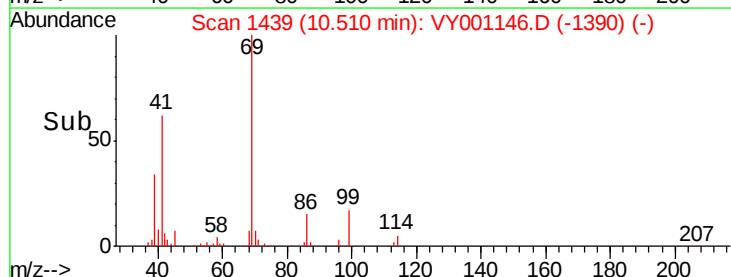
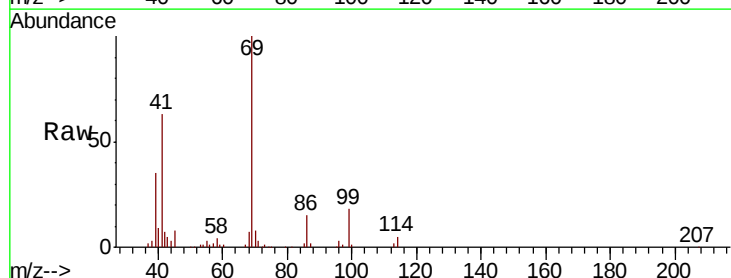
Manual Integrations
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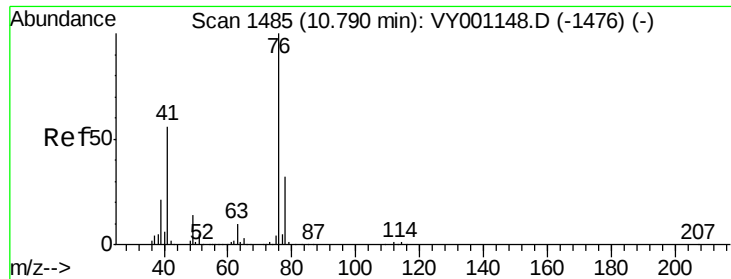
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#56
 Ethyl methacrylate
 Concen: 12.196 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:	69	Resp:	30914
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.4	77.2
39	33.7	26.3	39.5





#57

1,3-Dichloropropane

Concen: 11.475 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 34695

Ion Ratio Lower Upper

76 100

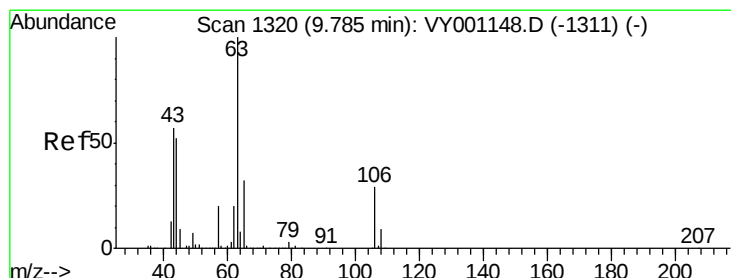
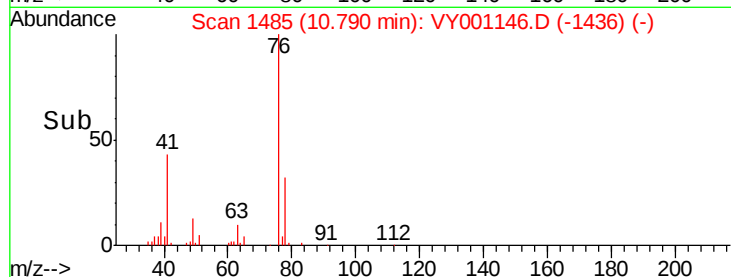
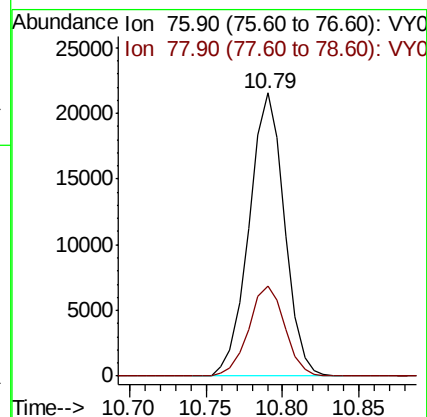
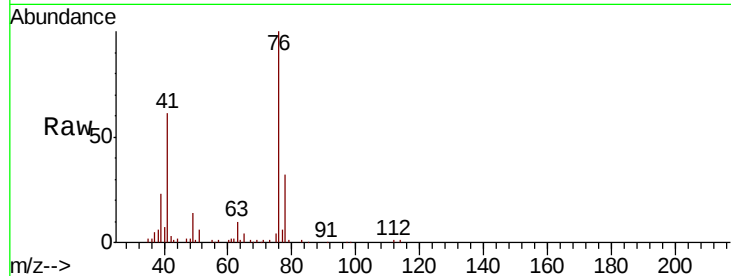
78 32.3 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 61.239 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001146.D

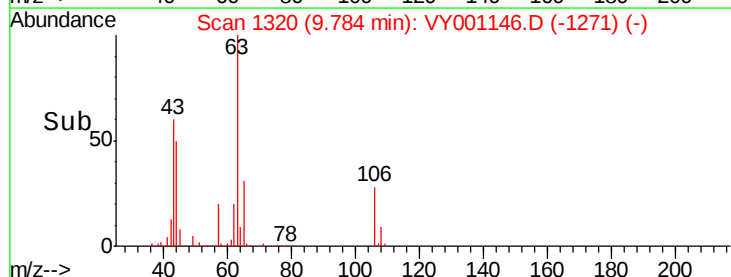
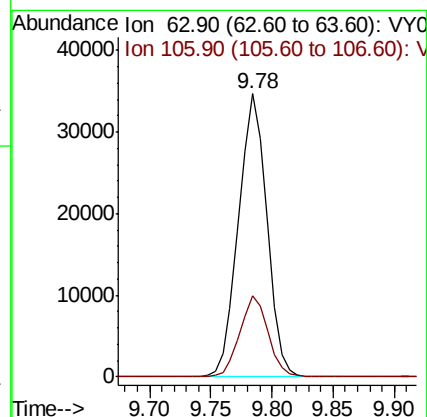
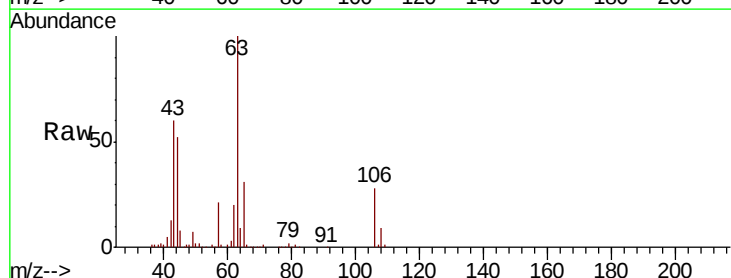
Acq: 10 Jan 2020 14:19

Tgt Ion: 63 Resp: 55763

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





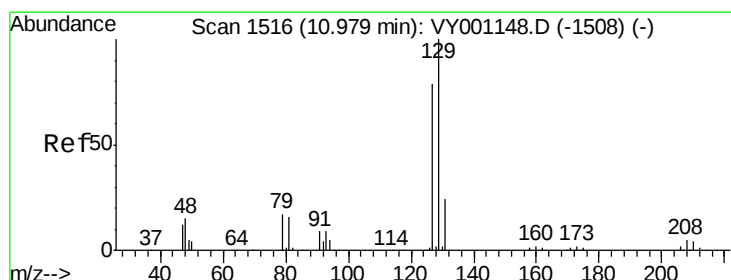
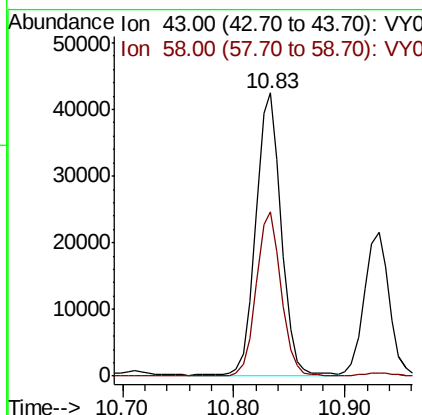
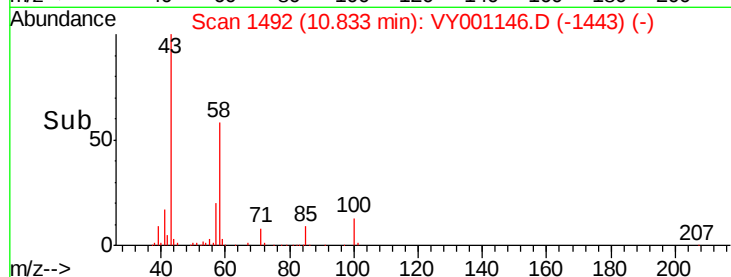
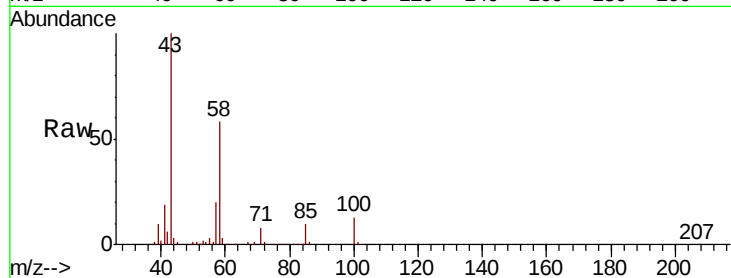
#59
2-Hexanone
Concen: 72.057 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 66982
Ion Ratio Lower Upper
43 100
58 57.3 28.4 85.2

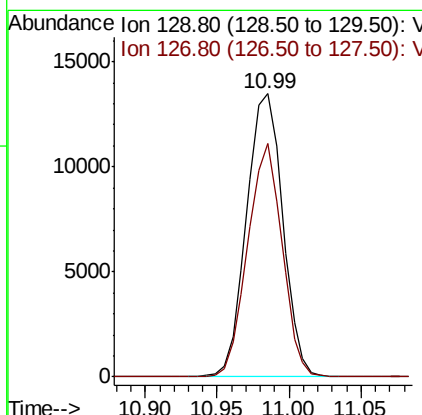
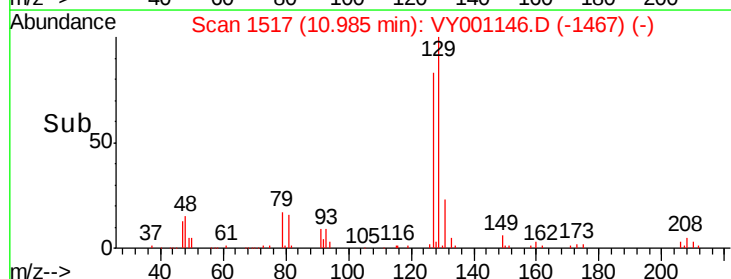
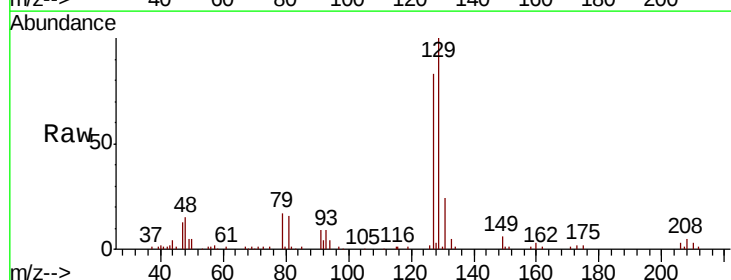
Manual Integrations
APPROVED

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1/13/2020 12:38:47 PM



#60
Dibromochloromethane
Concen: 10.768 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 129 Resp: 23493
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 10.826 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 20058

Ion Ratio Lower Upper

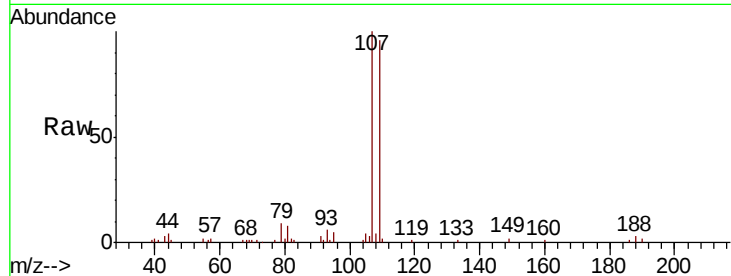
107 100

109 92.0 75.4 113.0

Manual Integrations
APPROVED

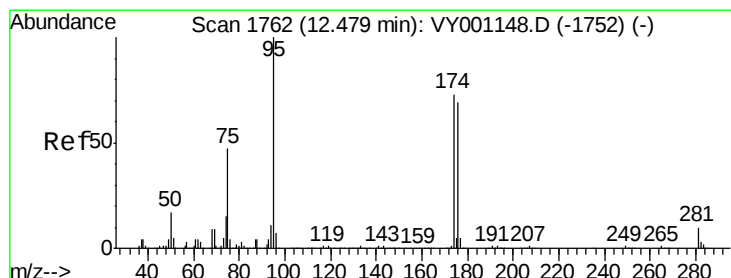
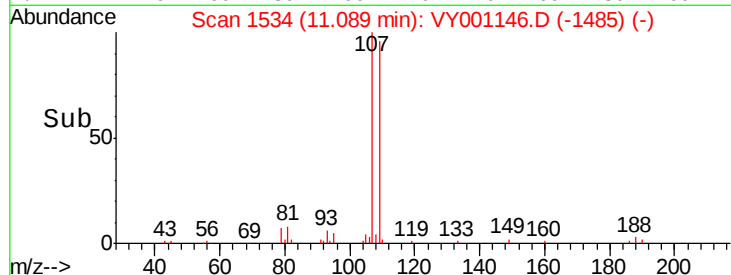
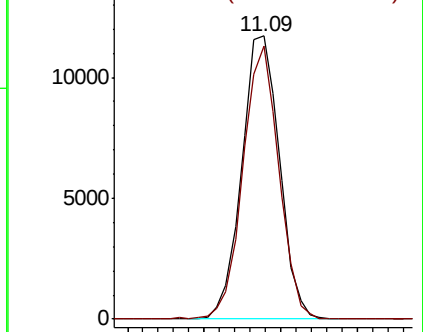
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 11.756 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

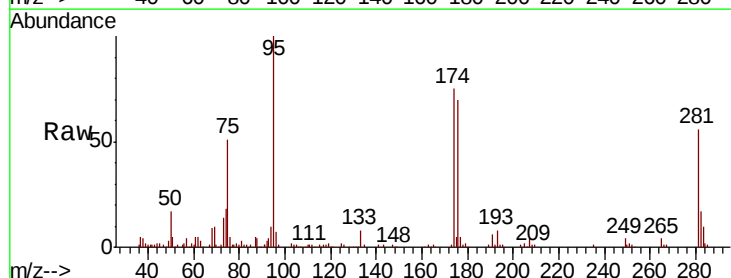
Tgt Ion: 95 Resp: 36235

Ion Ratio Lower Upper

95 100

174 74.2 0.0 143.2

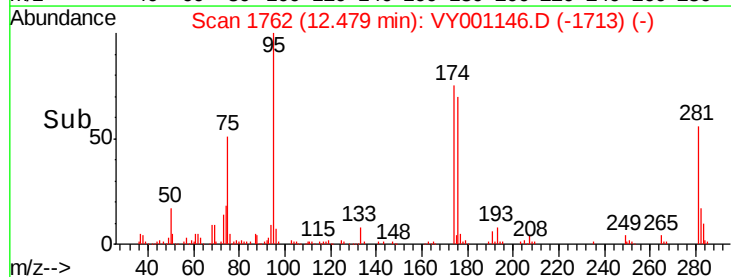
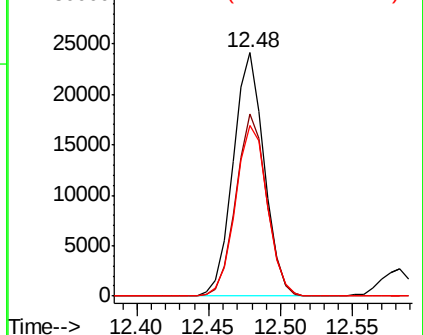
176 71.6 0.0 136.0

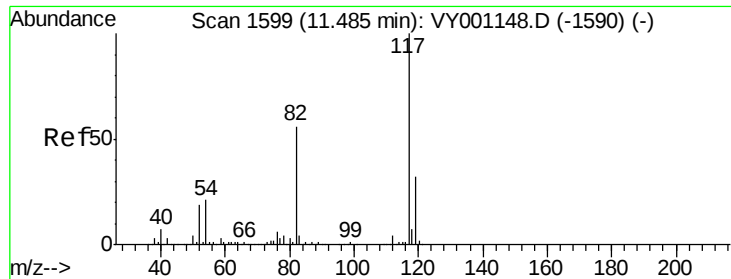


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





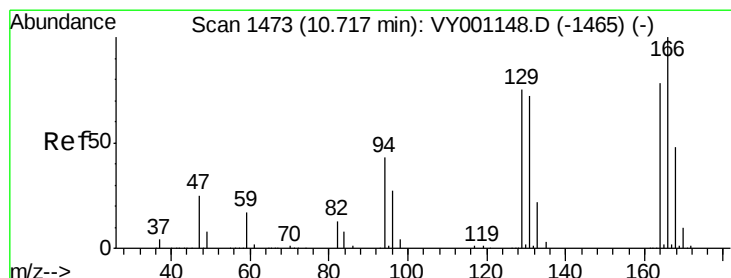
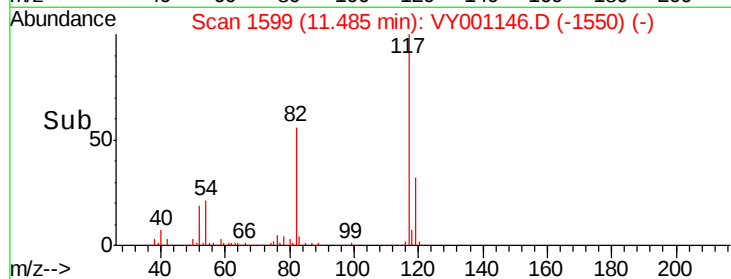
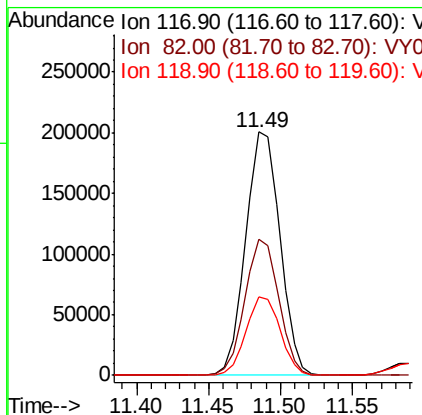
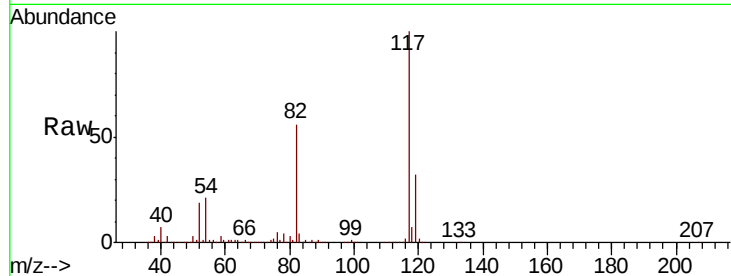
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.9	67.3
119	32.0	25.7	38.5

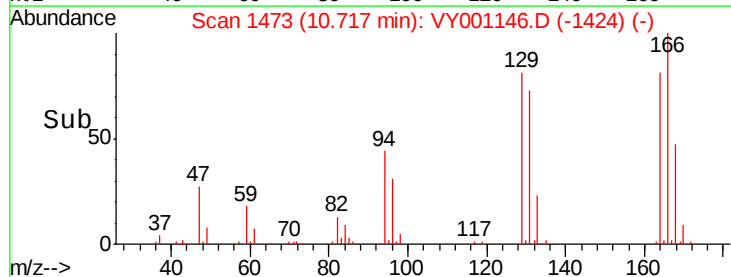
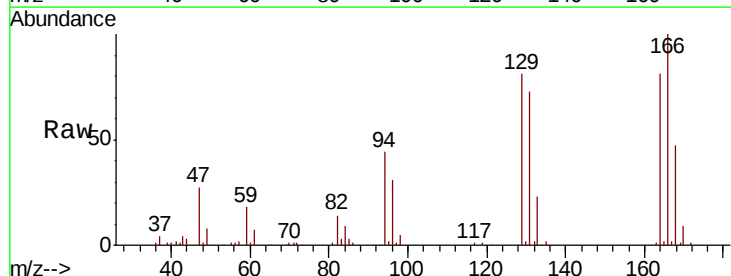
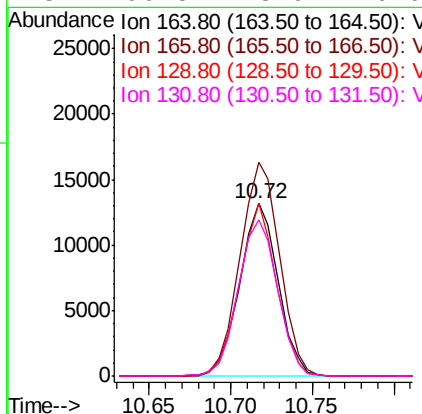
Manual Integrations
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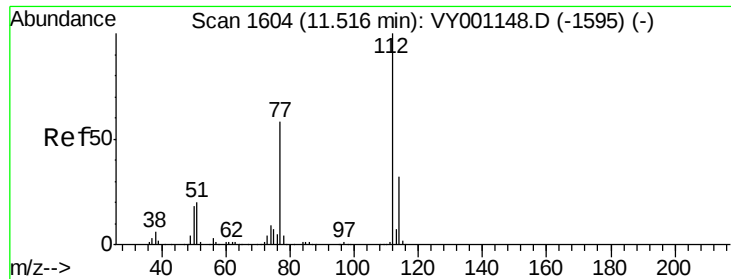
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#64
Tetrachloroethene
Concen: 7.351 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	102.3	153.5
129	100.4	76.2	114.4
131	90.8	73.9	110.9





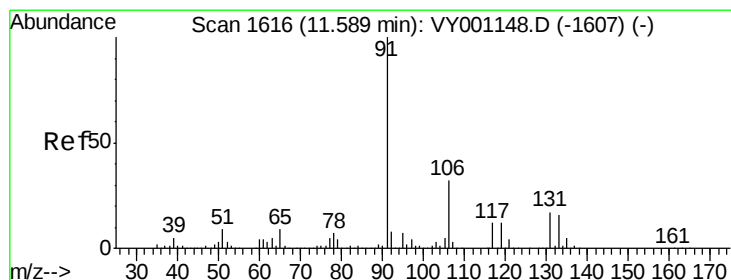
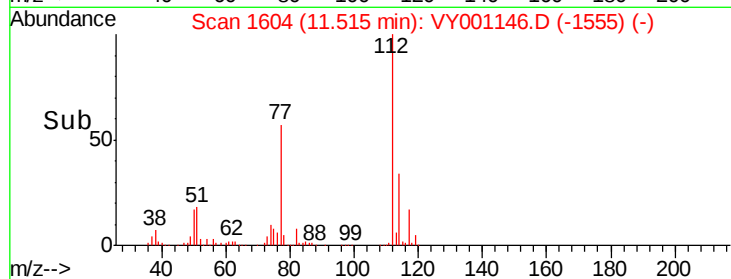
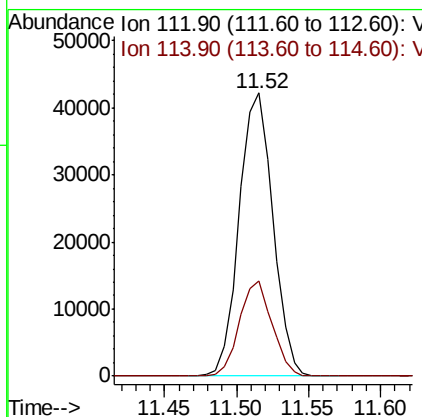
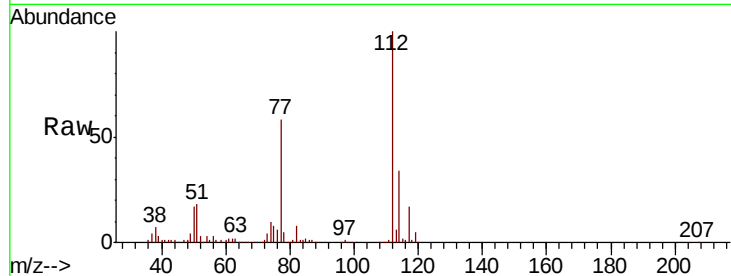
#65
Chlorobenzene
Concen: 9.877 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.9	38.9

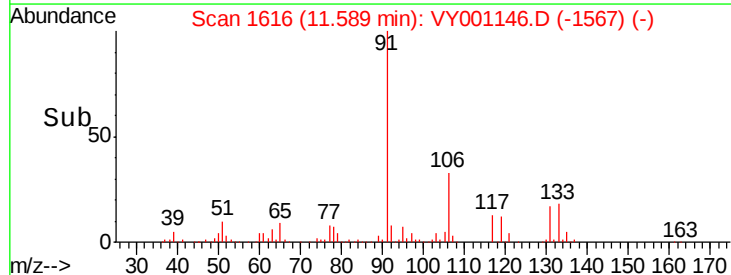
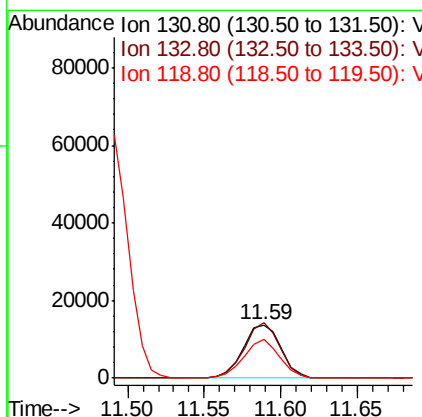
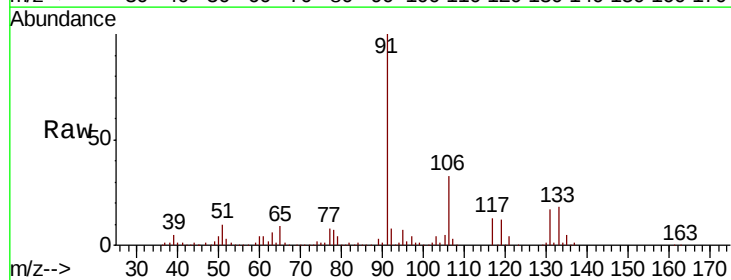
Manual Integrations
APPROVED

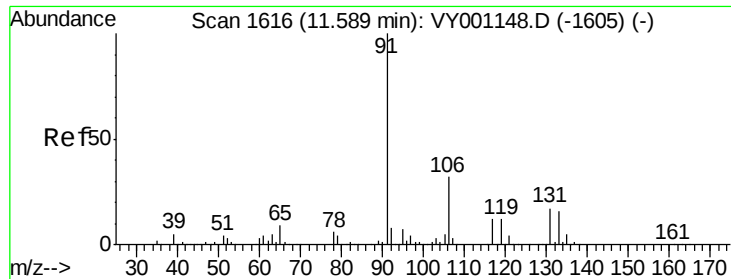
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.659 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.3	142.0
119	68.6	33.6	100.8





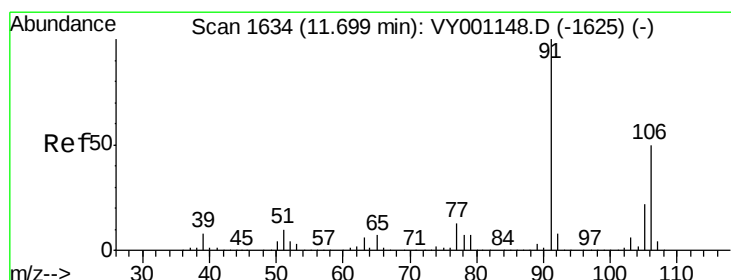
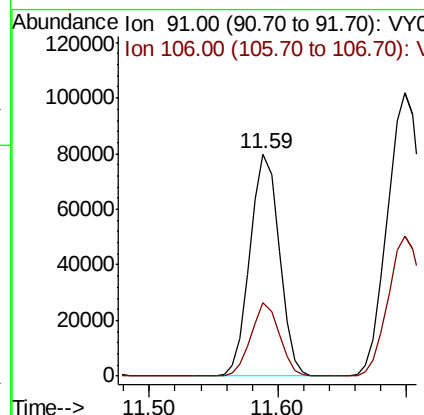
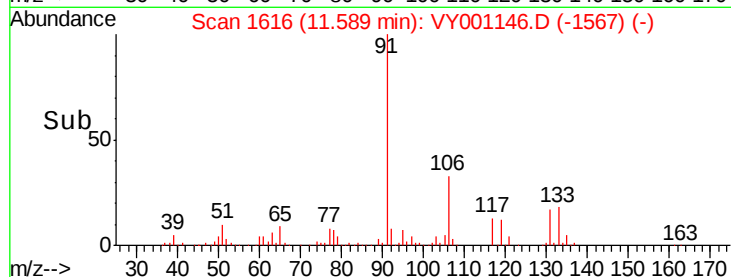
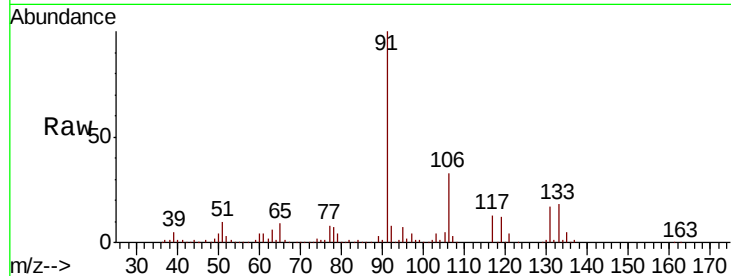
#67
Ethyl Benzene
Concen: 10.324 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 125633
Ion Ratio Lower Upper
91 100
106 33.1 25.3 37.9

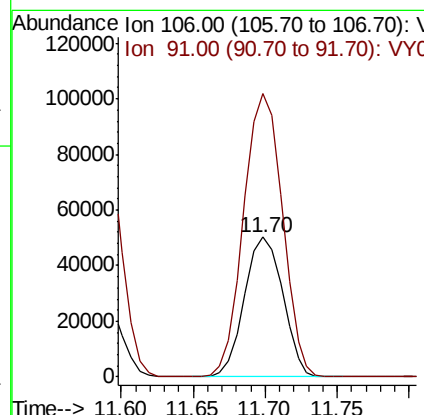
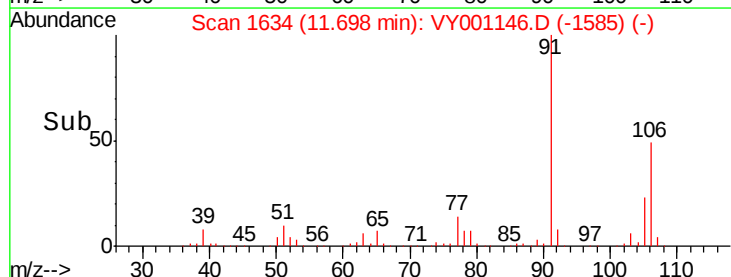
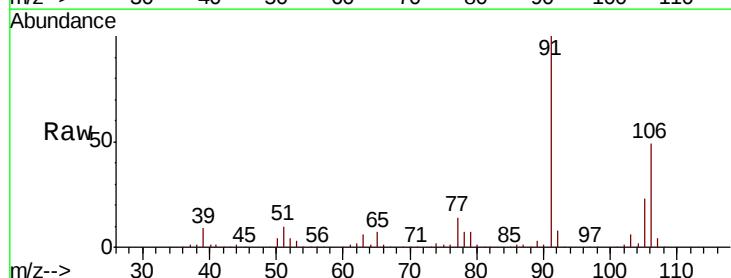
Manual Integrations
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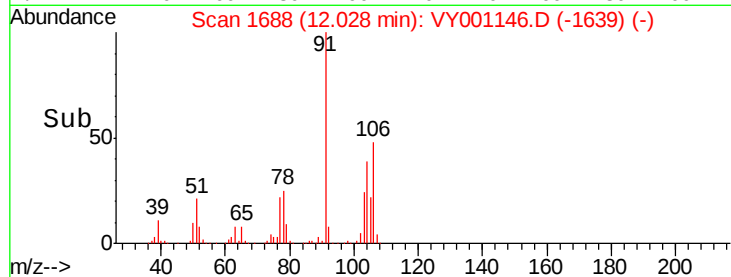
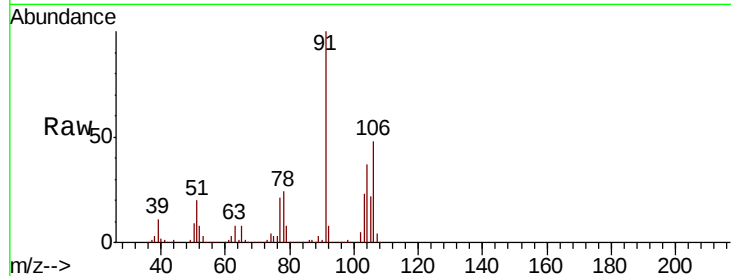
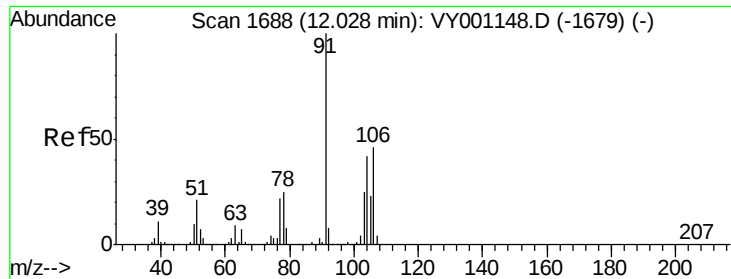
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#68
m/p-Xylenes
Concen: 19.424 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 106 Resp: 93278
Ion Ratio Lower Upper
106 100
91 205.2 161.4 242.2





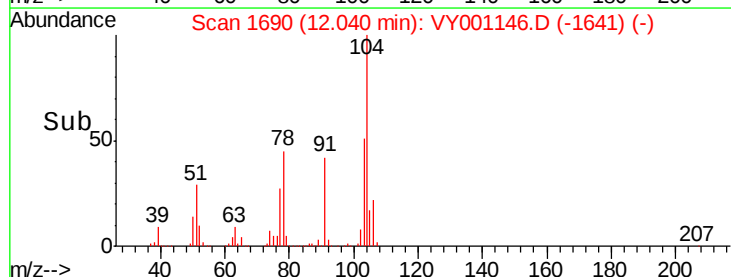
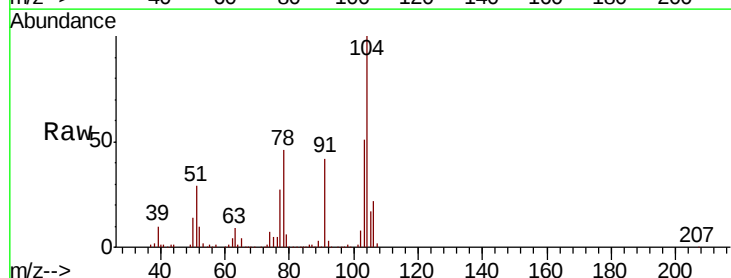
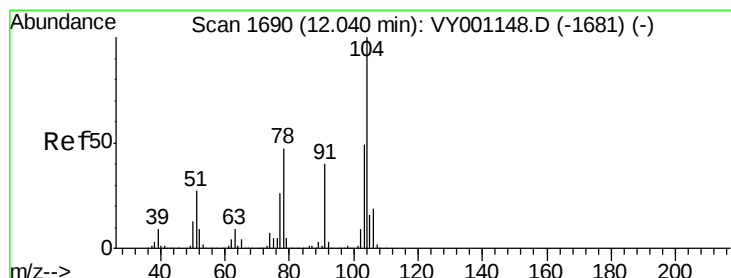
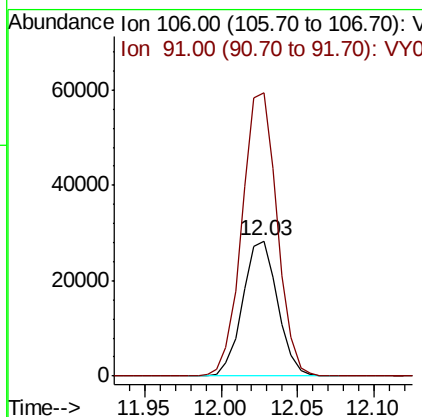
#69
o-Xylene
Concen: 9.844 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tot Ion:106 Resp: 44875
Ion Ratio Lower Upper
106 100
91 210.1 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

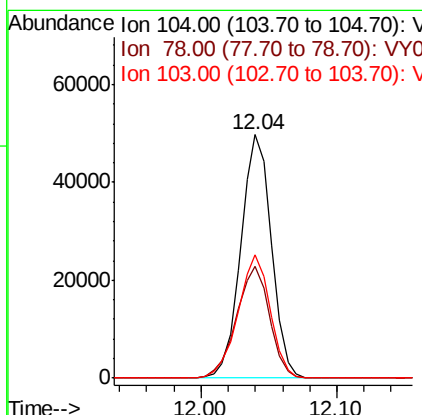
Manual Integrations
APPROVED

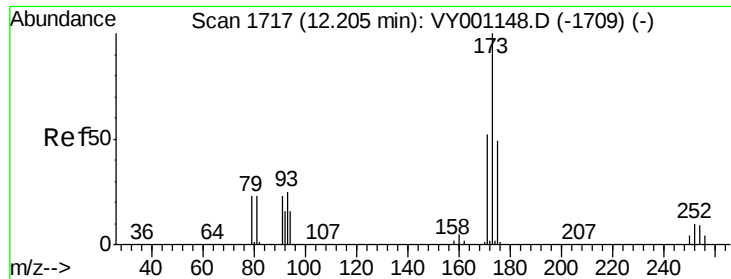
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#70
Styrene
Concen: 10.049 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion:104 Resp: 77851
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 53.5 42.4 63.6





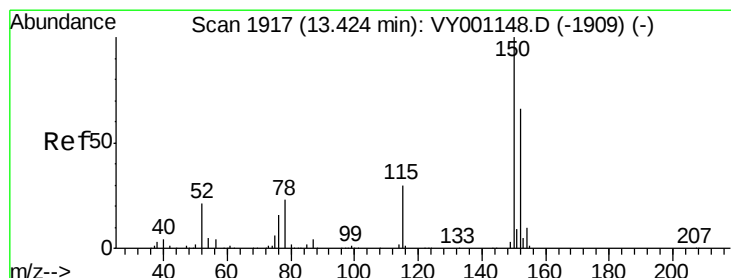
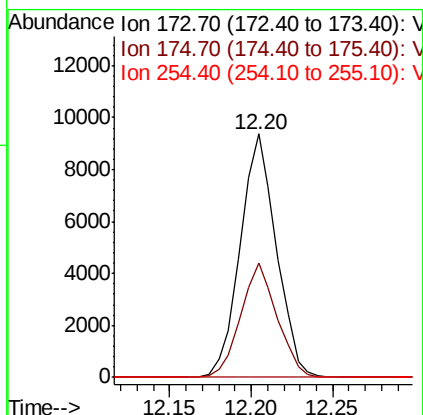
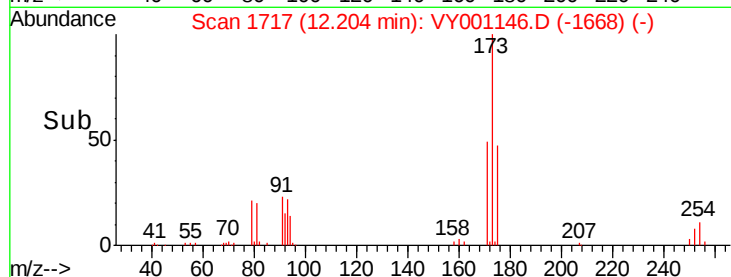
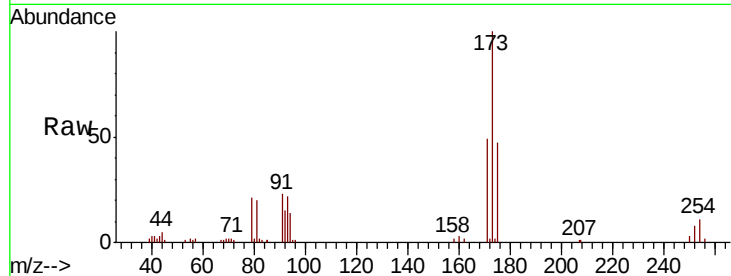
#71
Bromoform
Concen: 9.891 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.1	72.2
254	0.0	0.1	0.1#

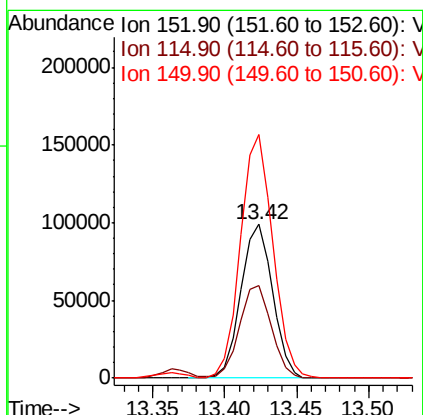
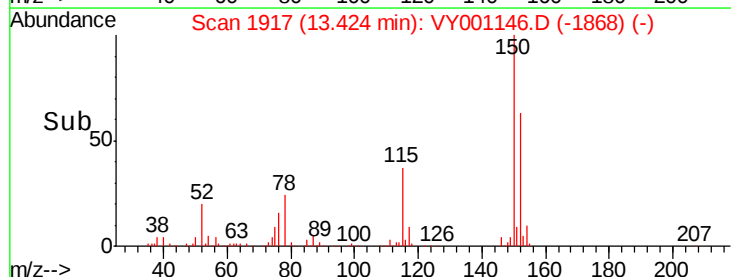
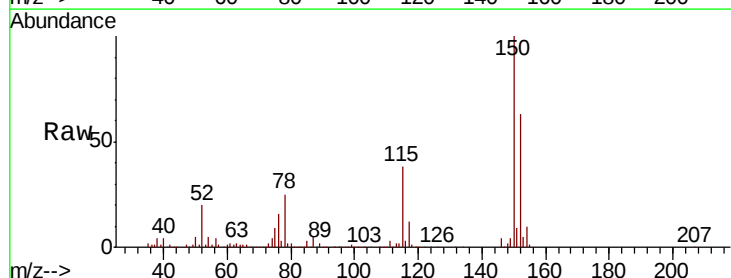
Manual Integrations
APPROVED

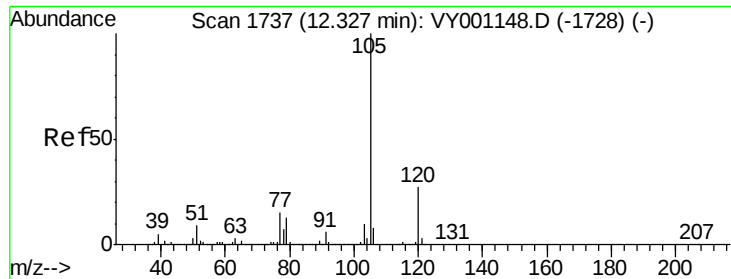
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.5
150	161.5	0.0	346.8





#73

Isopropylbenzene

Concen: 10.445 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 118410

Ion Ratio Lower Upper

105 100

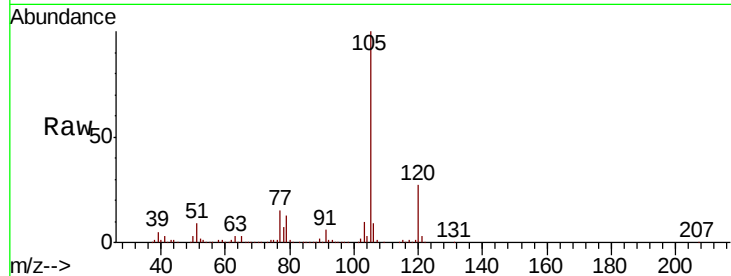
120 27.1 13.4 40.2

Manual Integrations

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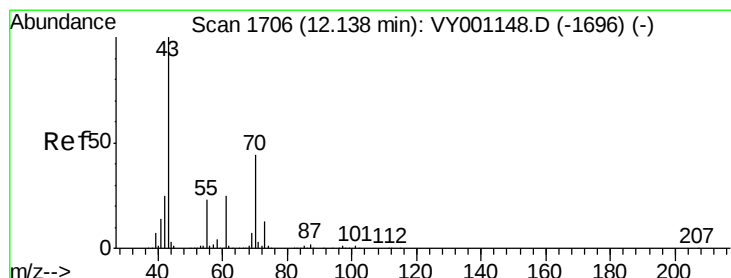
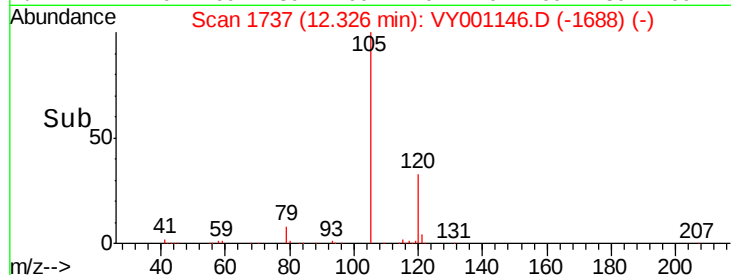
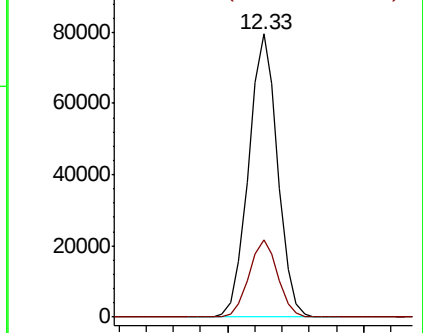
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.930 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion: 43 Resp: 35599

Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 22.8 18.4 27.6

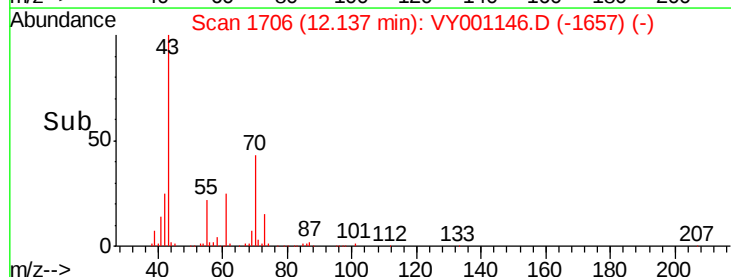
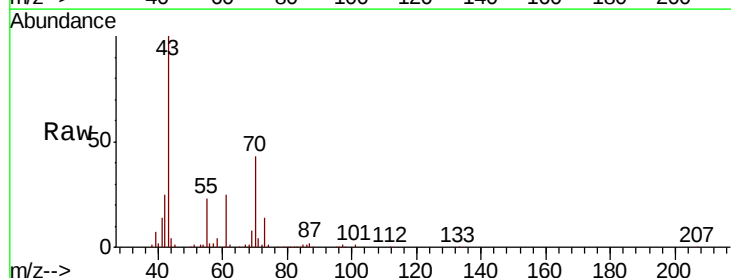
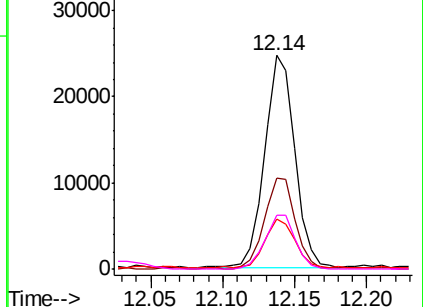
61 25.7 20.1 30.1

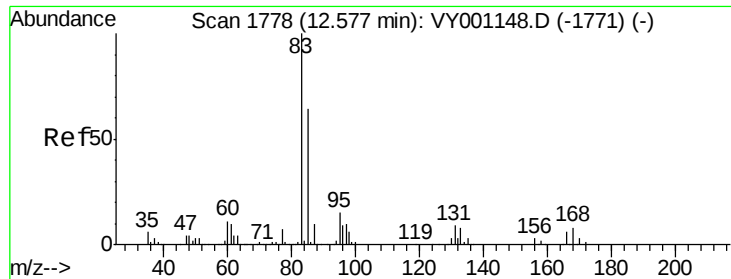
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.838 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

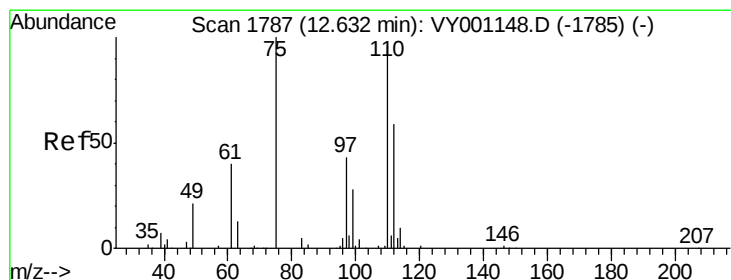
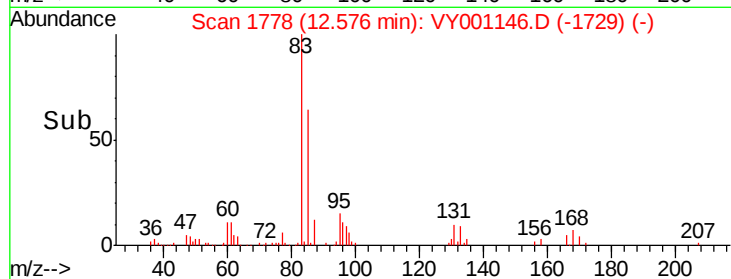
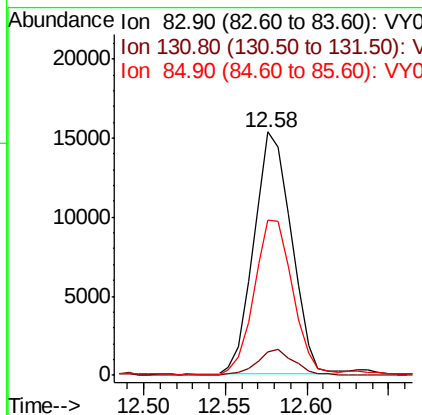
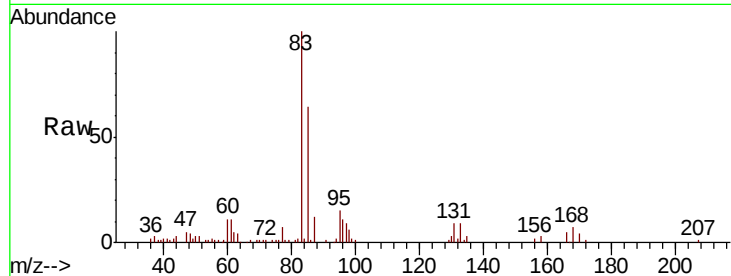
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	24562
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	65.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.312 ug/l m

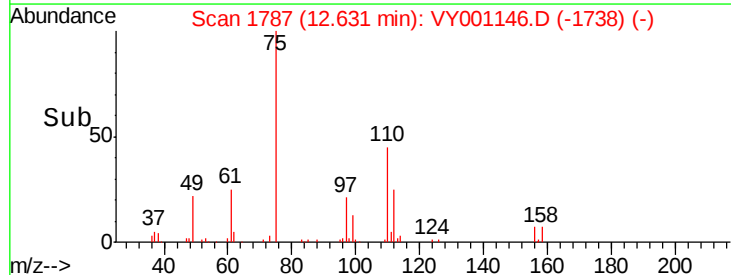
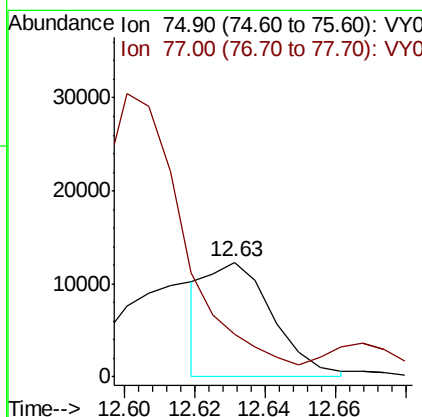
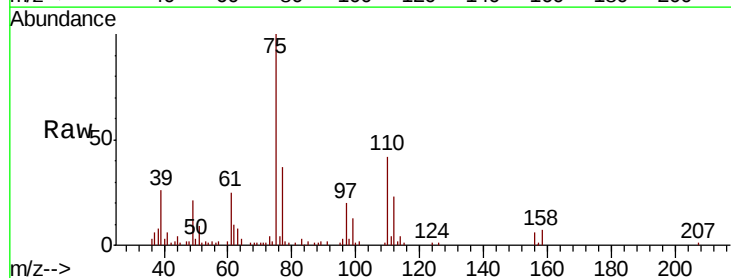
RT: 12.63 min Scan# 1787

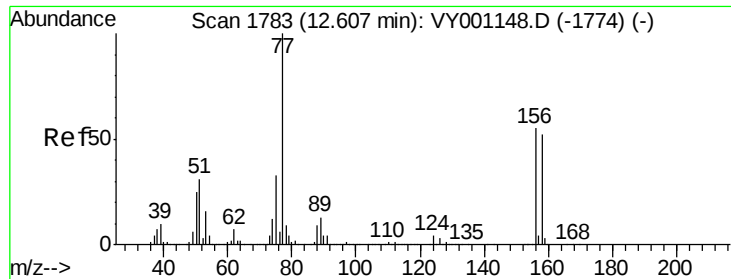
Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion:	75	Resp:	16072
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.637 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

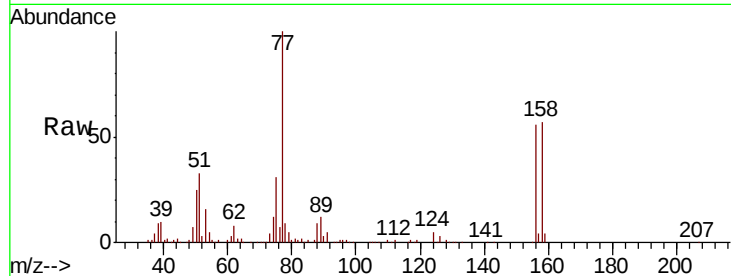
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	206.9	106.7	320.1	
158	99.8	48.3	144.8	

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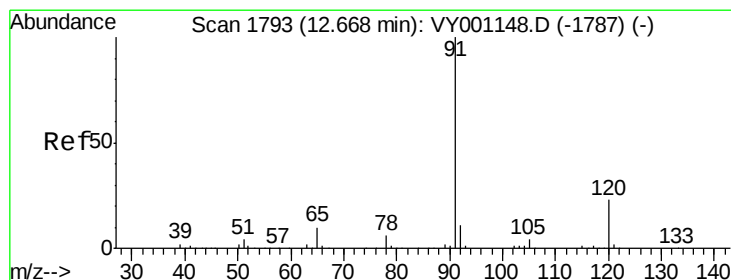
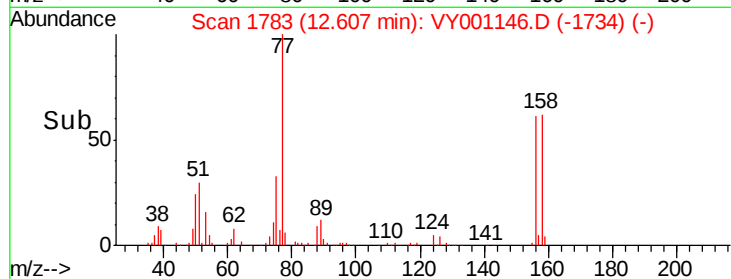
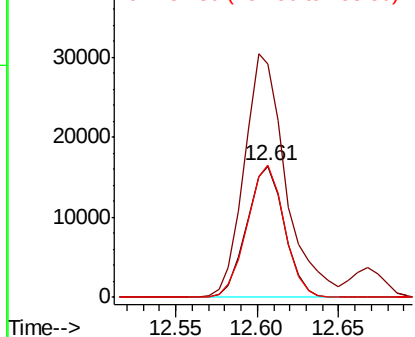


Abundance

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: 10.568 ug/l

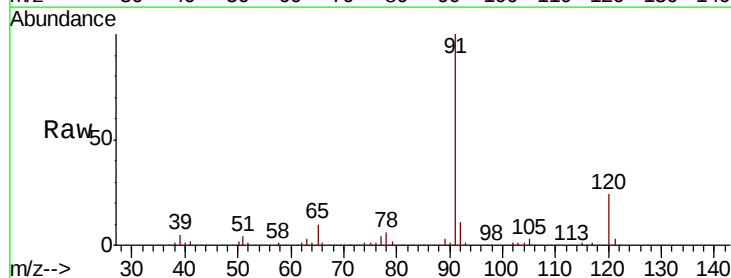
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

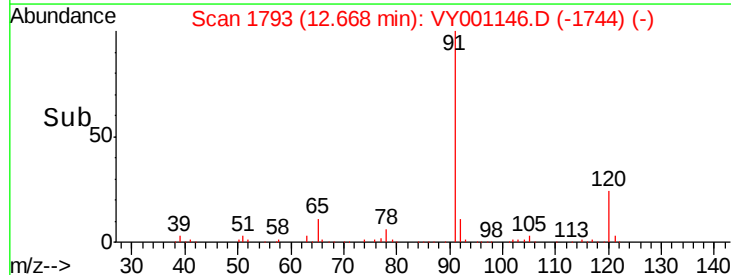
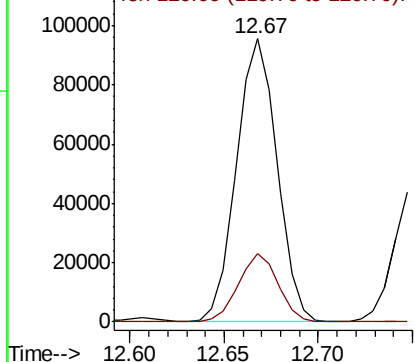
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.5	34.4	

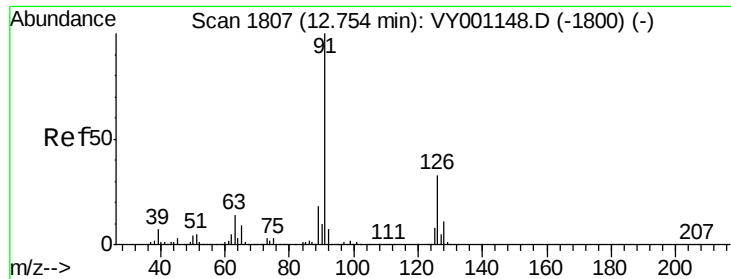


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





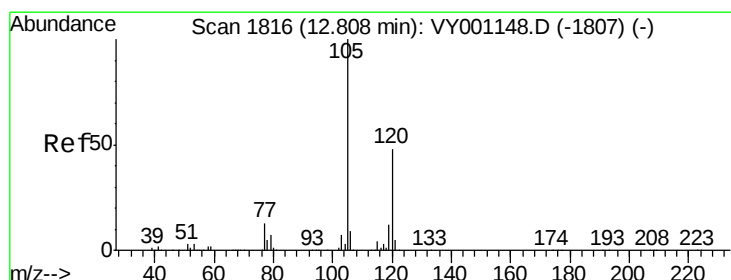
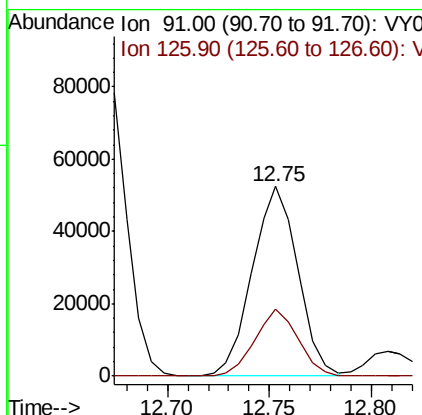
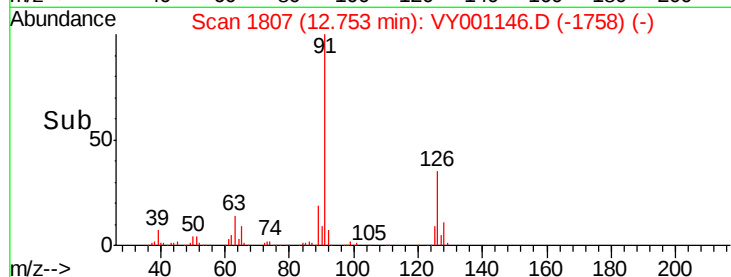
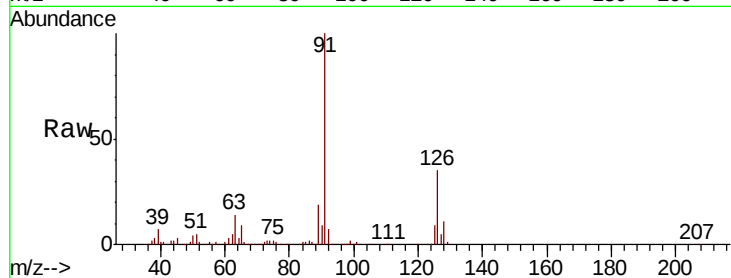
#79
2-Chlorotoluene
Concen: 10.802 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.4

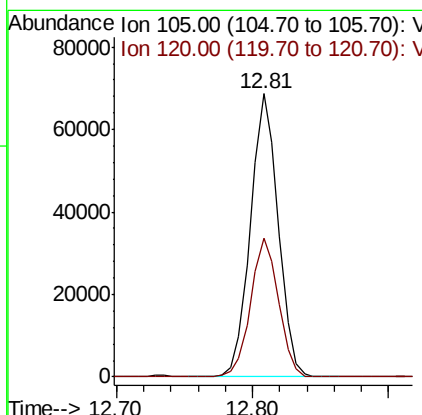
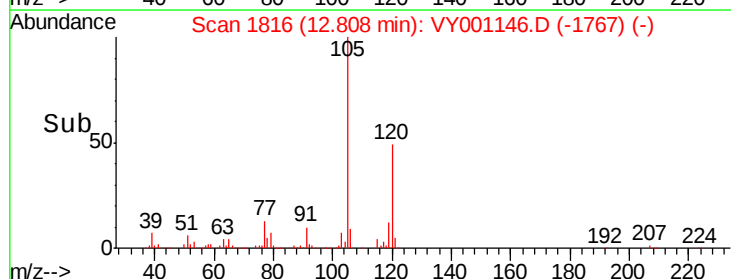
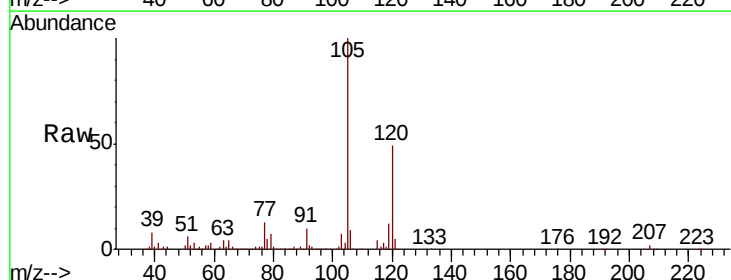
Manual Integrations
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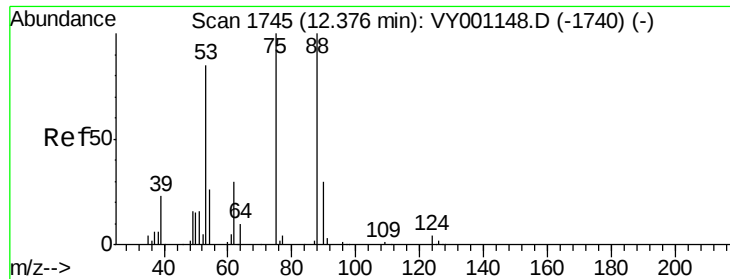
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#80
1,3,5-Trimethylbenzene
Concen: 10.232 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.2	72.6





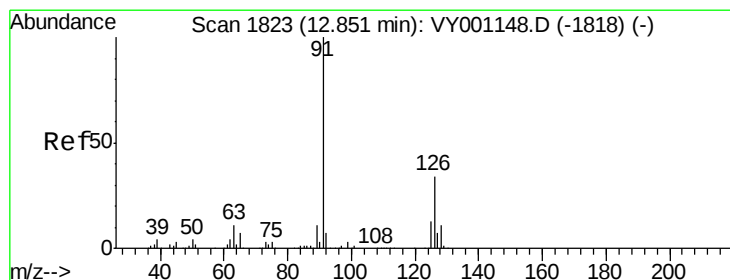
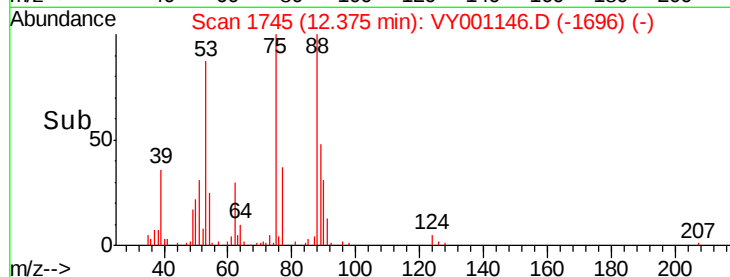
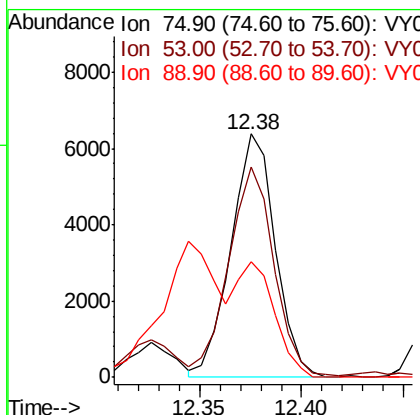
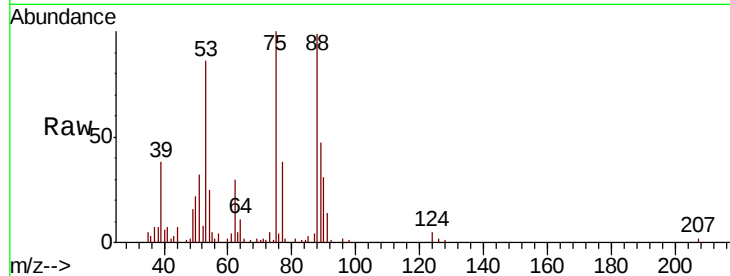
#81
trans-1,4-Dichloro-2-butene
Concen: 12.083 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.8	69.4	104.2
89	40.6	0.0	0.0#

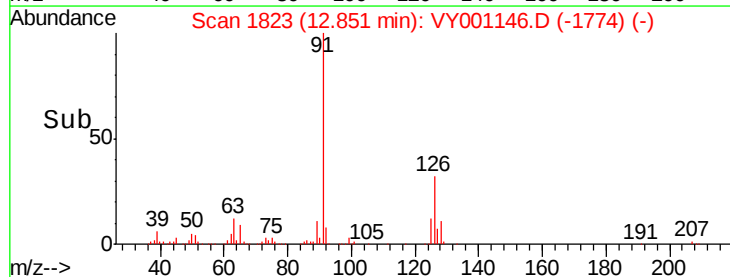
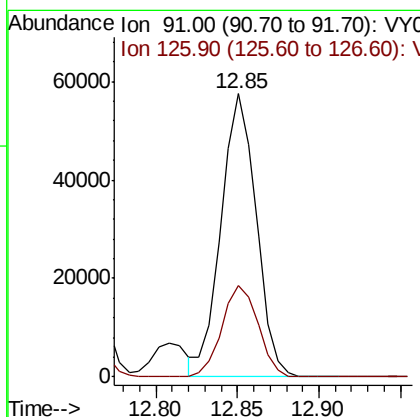
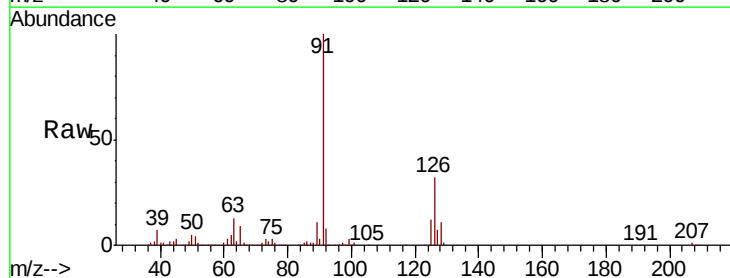
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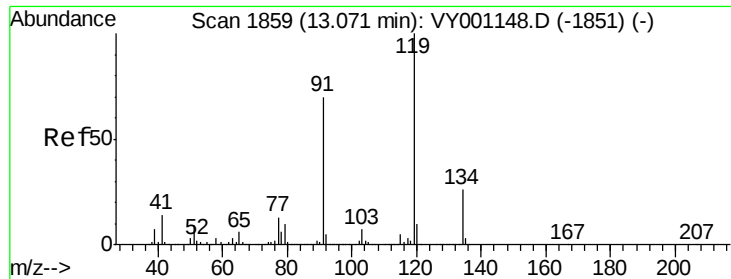
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#82
4-Chlorotoluene
Concen: 11.105 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.8





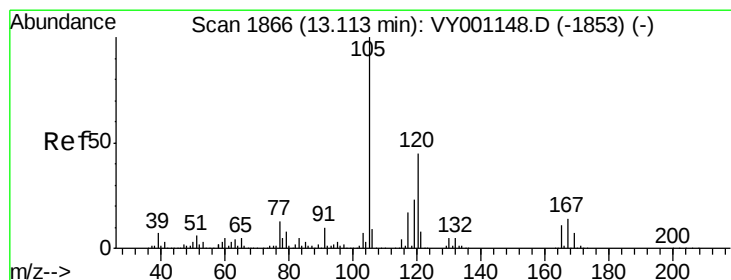
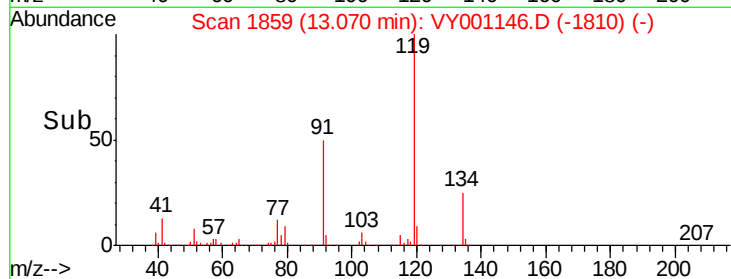
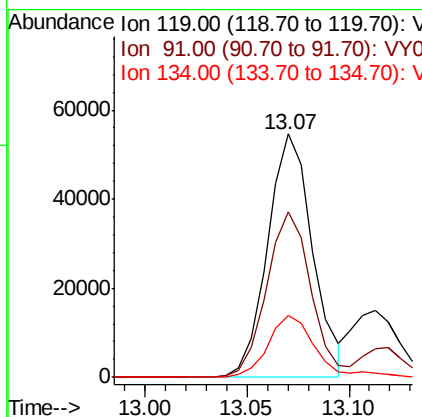
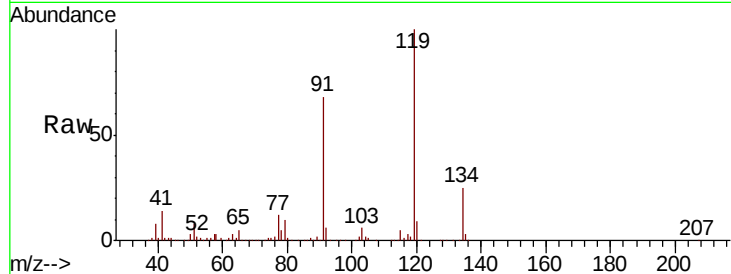
#83
 tert-Butylbenzene
 Concen: 10.303 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	119	Resp:	83900
Ion Ratio	Lower	Upper	
119	100		
91	67.6	33.9	101.7
134	26.9	13.5	40.4

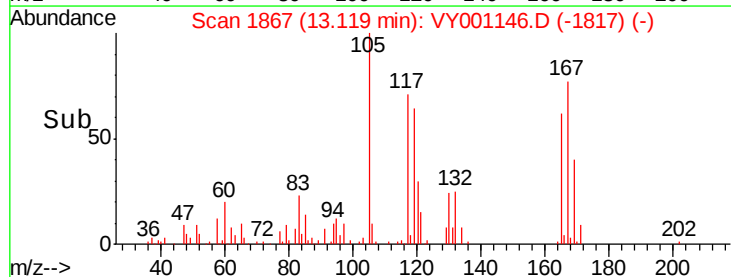
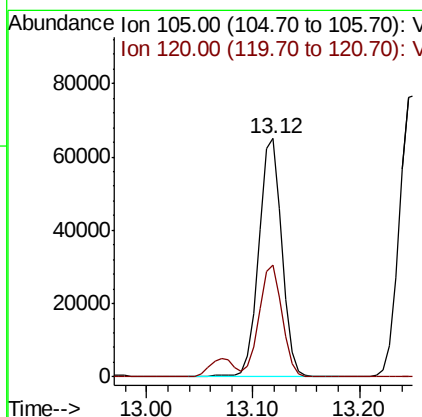
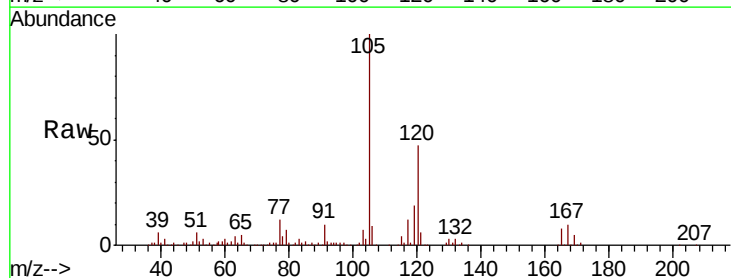
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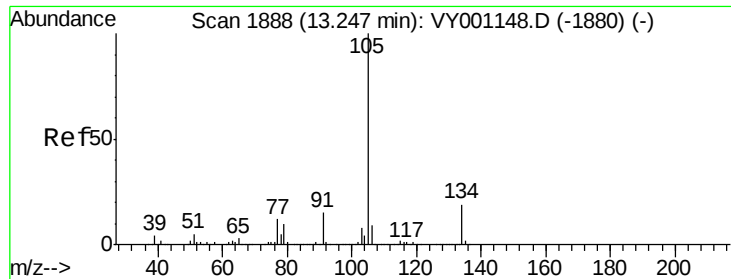
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.240 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:	105	Resp:	98669
Ion Ratio	Lower	Upper	
105	100		
120	46.6	22.8	68.3





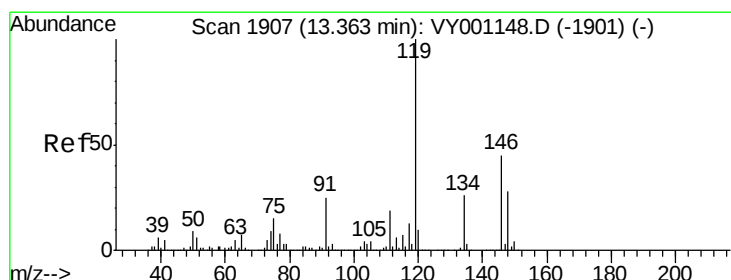
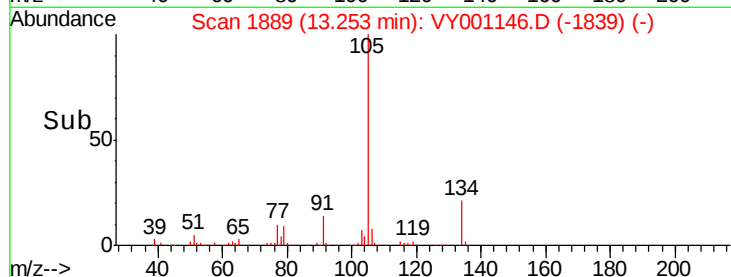
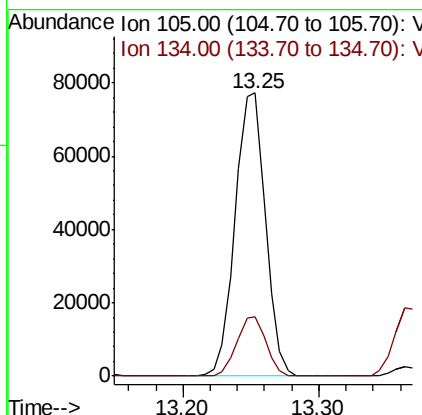
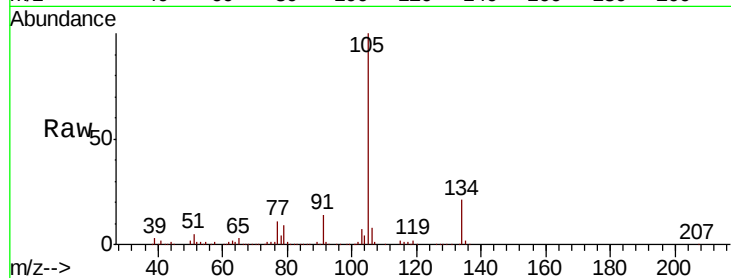
#85
 sec-Butylbenzene
 Concen: 10.472 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

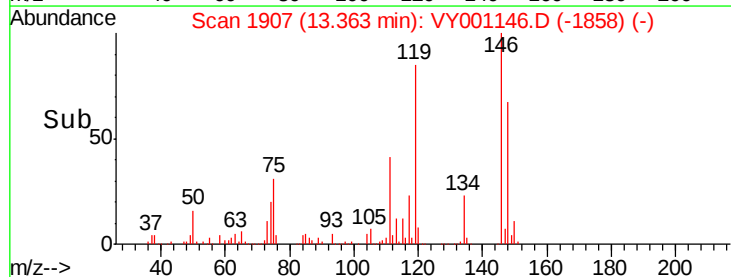
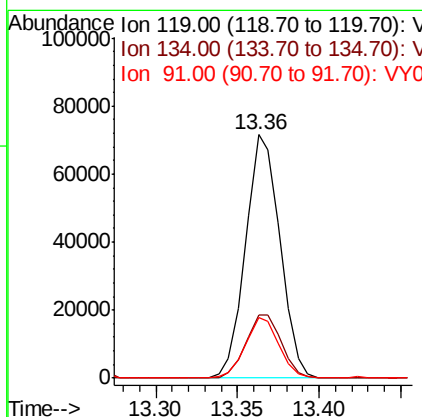
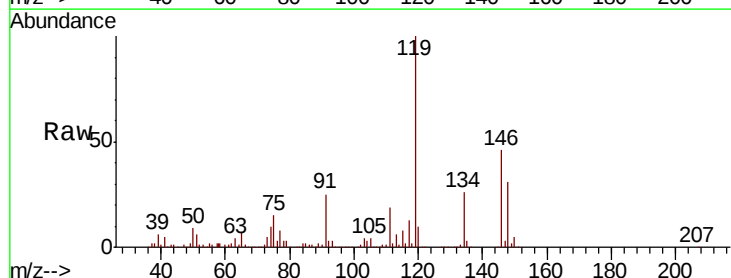
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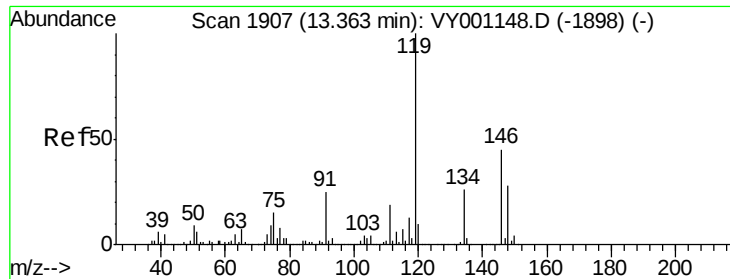
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#86
 p-Isopropyltoluene
 Concen: 10.249 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	24.1	12.4	37.2





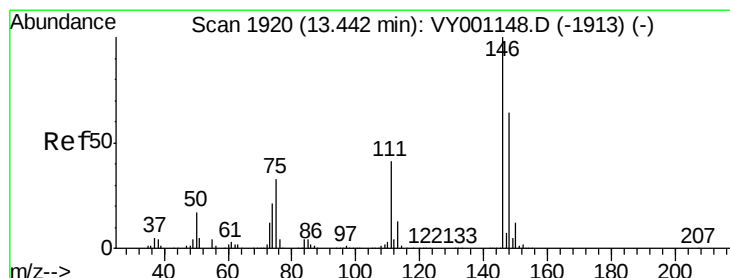
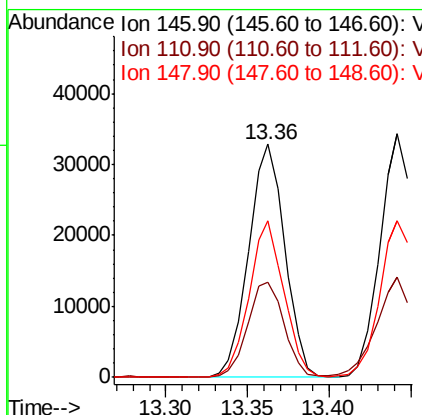
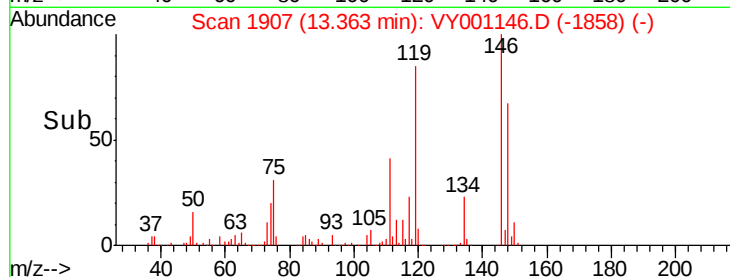
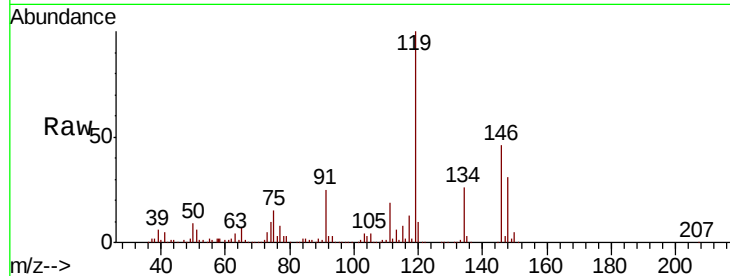
#87
 1,3-Dichlorobenzene
 Concen: 9.980 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	64.0
148	64.2	31.9	95.5

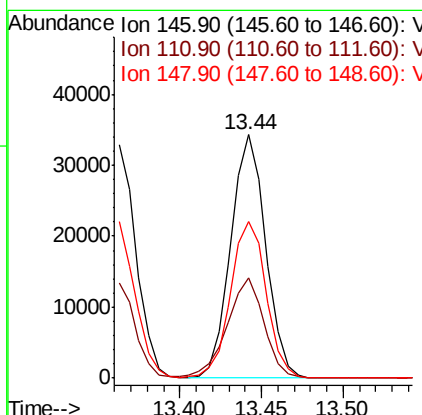
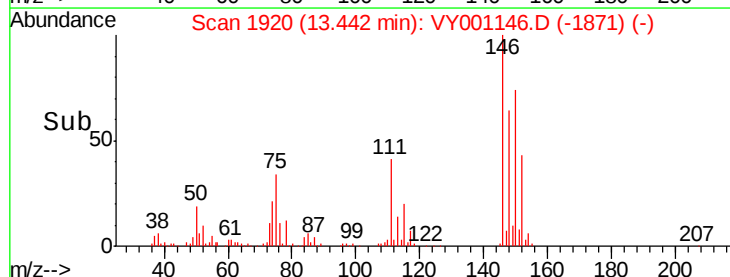
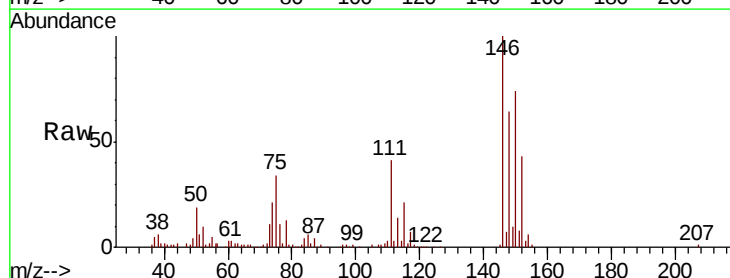
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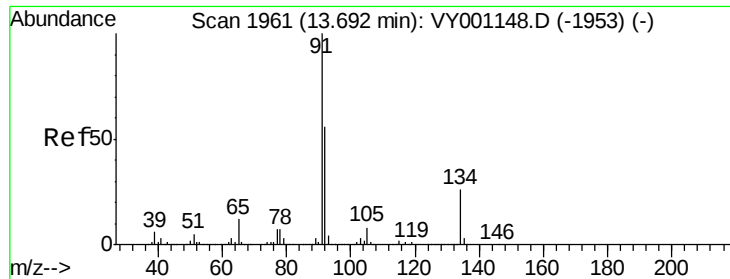
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#88
 1,4-Dichlorobenzene
 Concen: 9.939 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.8	62.5
148	65.7	32.0	96.2





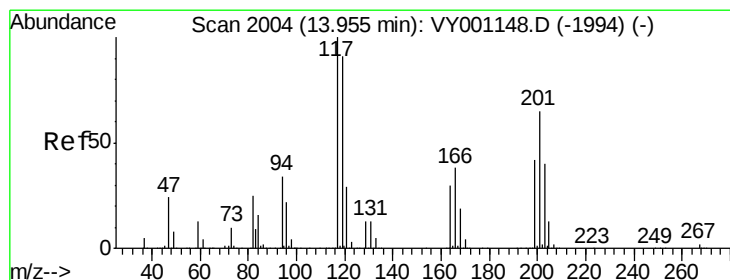
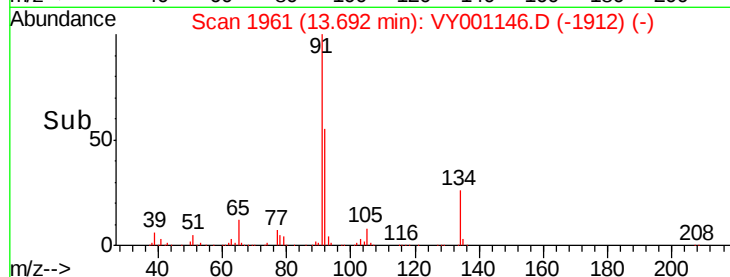
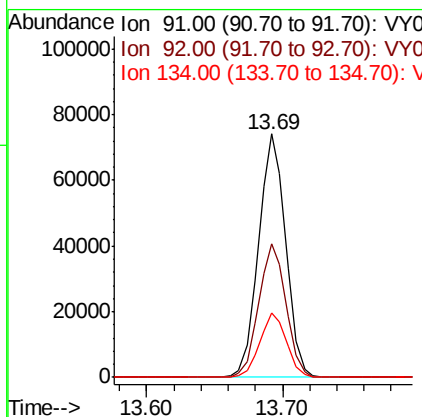
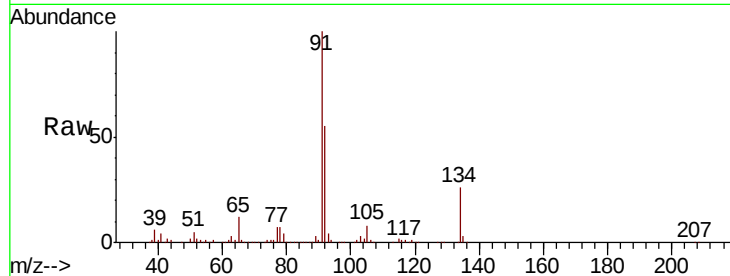
#89
n-Butylbenzene
Concen: 10.600 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	26.3	12.9	38.6

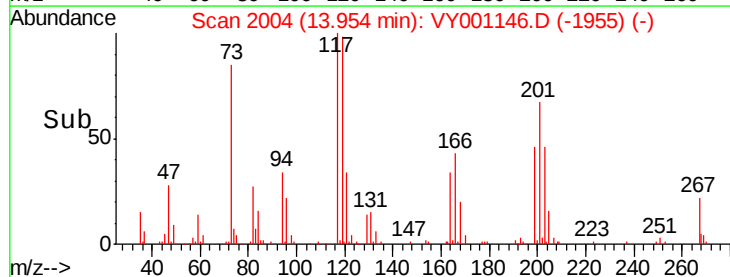
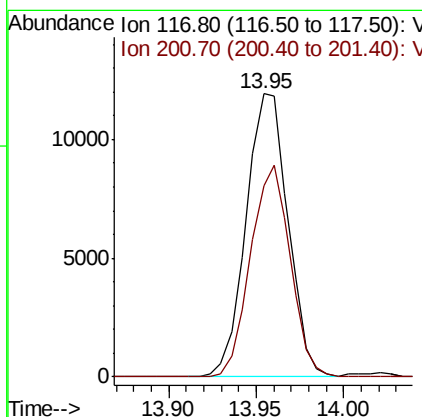
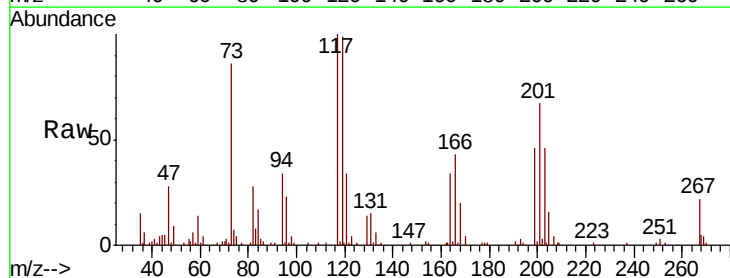
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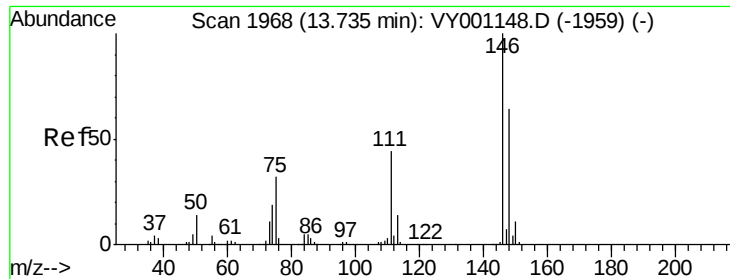
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#90
Hexachloroethane
Concen: 10.327 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	35.4	106.2





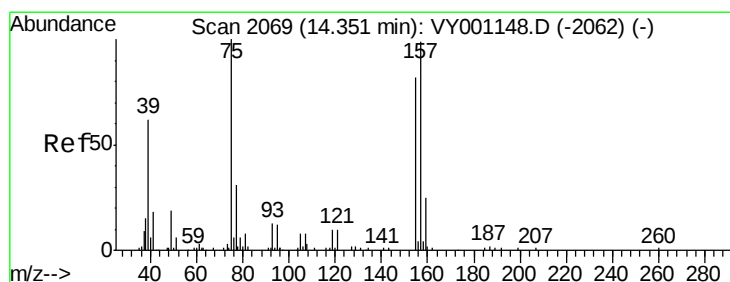
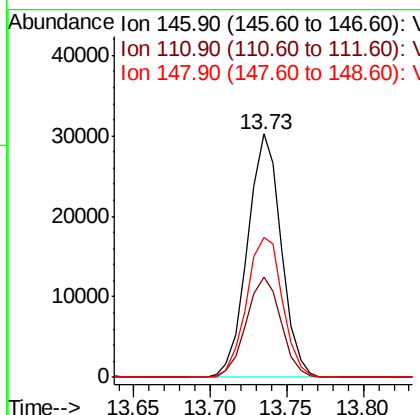
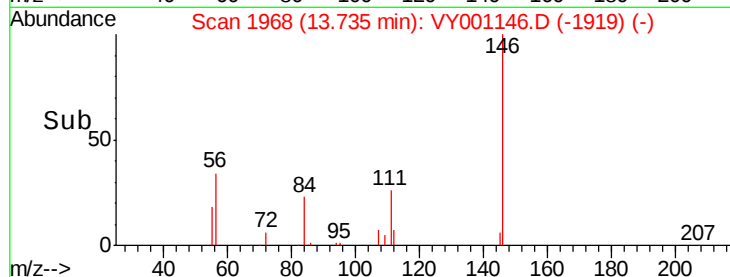
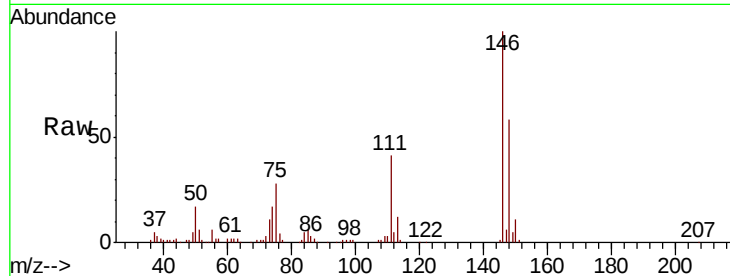
#91
1,2-Dichlorobenzene
Concen: 9.893 ug/l
RT: 13.73 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	61.6	32.1	96.3

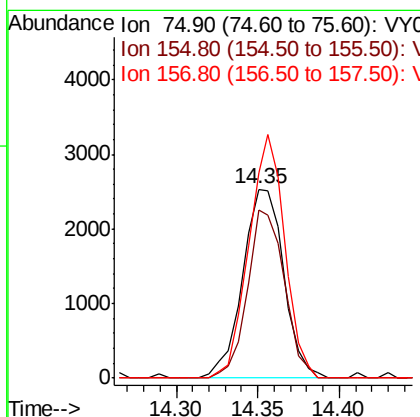
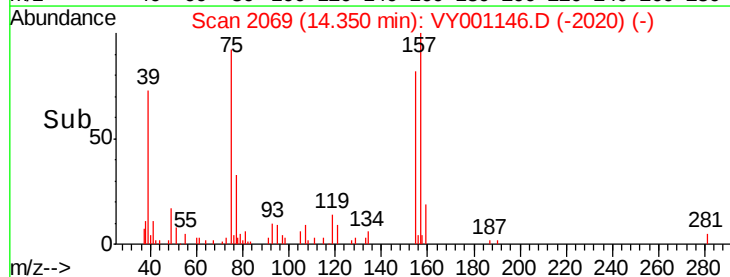
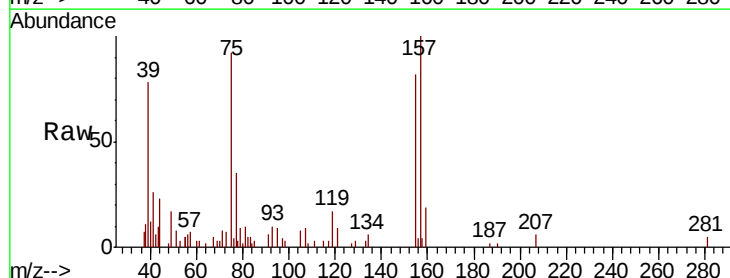
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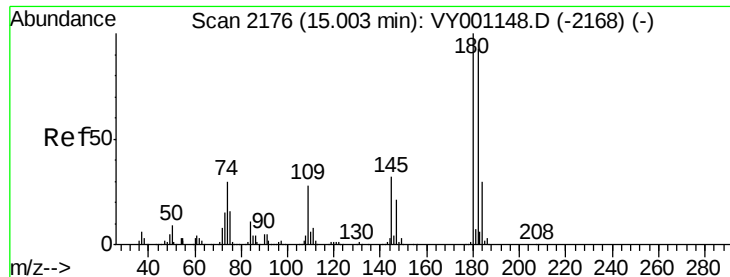
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#92
1,2-Dibromo-3-Chloropropane
Concen: 11.904 ug/l
RT: 14.35 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.2	123.6
157	111.9	52.8	158.4





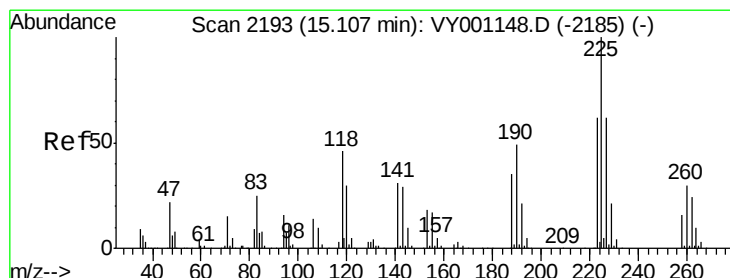
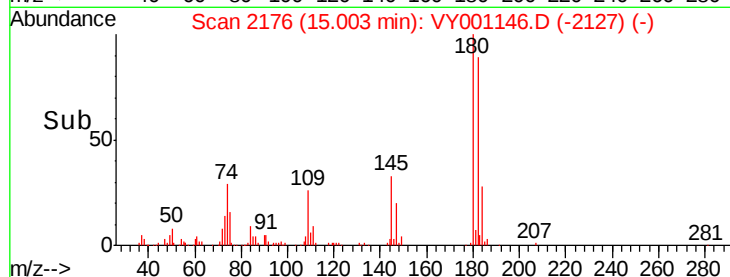
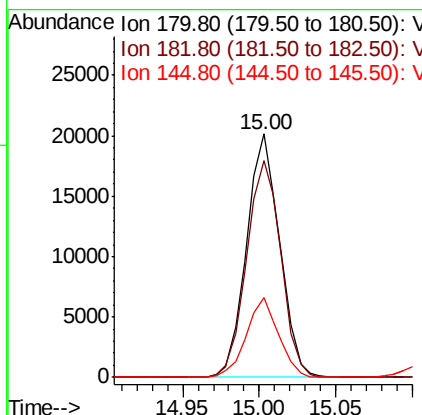
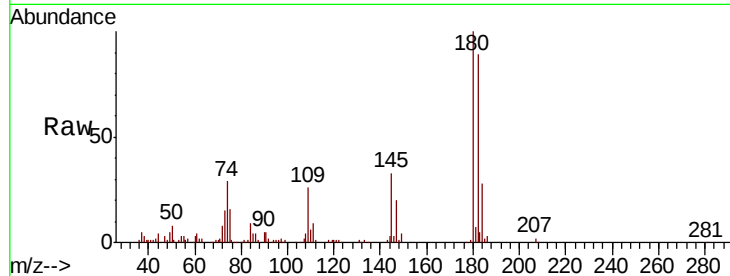
#93
 1,2,4-Trichlorobenzene
 Concen: 9.451 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.0	46.9	140.8	
145	31.6	16.0	48.0	

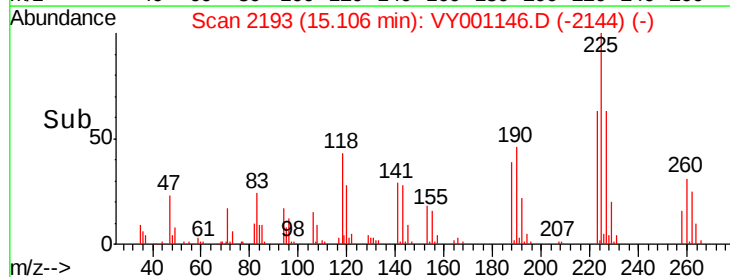
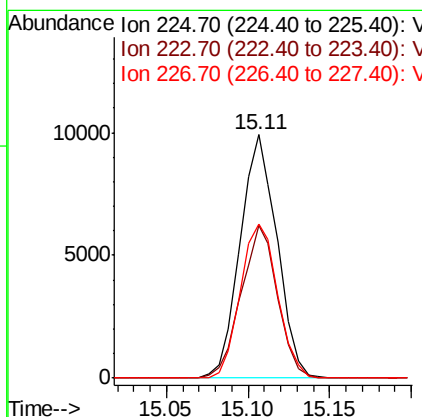
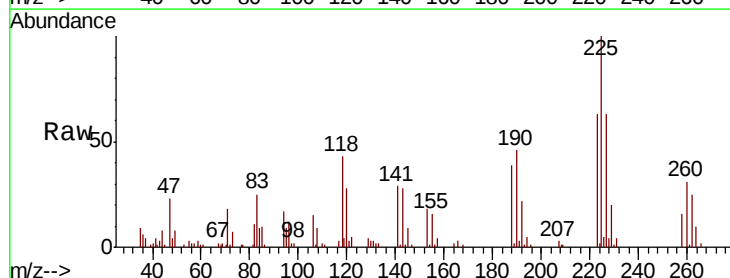
Manual Integrations
 APPROVED

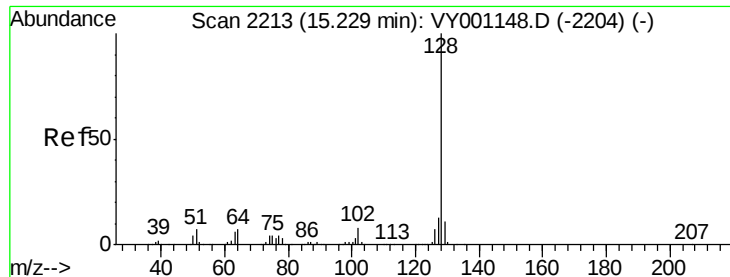
MMDadoda
 1/13/2020 12:38:47 PM



#94
 Hexachlorobutadiene
 Concen: 9.588 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.1	93.3	
227	63.8	31.3	93.9	





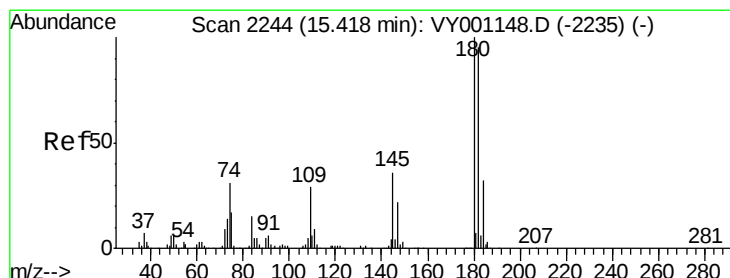
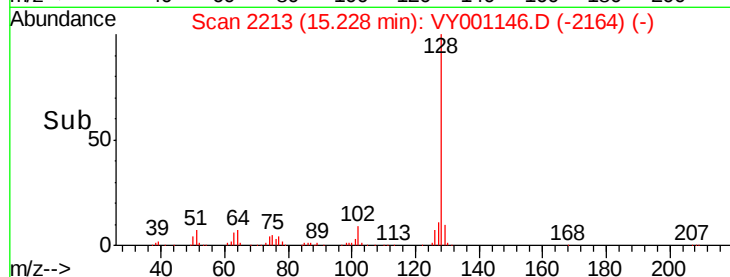
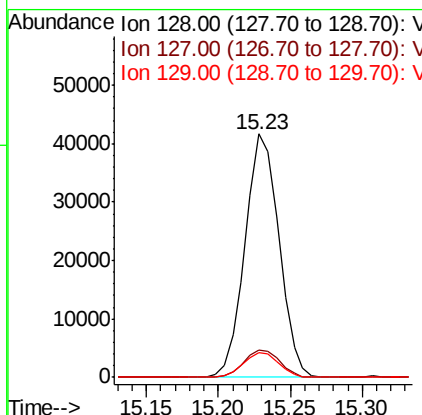
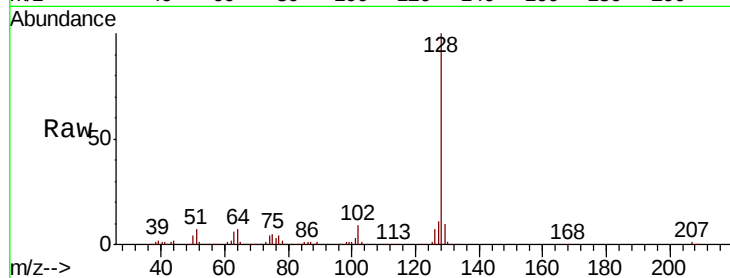
#95
Naphthalene
Concen: 9.220 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.116 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	33.9	17.1	51.3

