

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002328.D
 Acq On : 15 Apr 2020 11:59
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:31:50 AM

Quant Time: Apr 16 06:59:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	157640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252411	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	116870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	79553	45.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.76%	
35) Dibromofluoromethane	7.74	113	85060	50.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.50%	
50) Toluene-d8	10.19	98	353767	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.49	95	114344	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	29049	18.233	ug/l	97
3) Chloromethane	2.13	50	38178	19.040	ug/l	97
4) Vinyl Chloride	2.26	62	40591	19.019	ug/l	97
5) Bromomethane	2.65	94	24715	18.752	ug/l	100
6) Chloroethane	2.80	64	23158	18.815	ug/l	90
7) Trichlorofluoromethane	3.14	101	53518	19.417	ug/l	96
8) Diethyl Ether	3.55	74	23683	20.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38483	20.554	ug/l	97
10) Methyl Iodide	4.11	142	43291	19.892	ug/l	98
11) Tert butyl alcohol	4.98	59	24849	114.976	ug/l #	90
12) 1,1-Dichloroethene	3.89	96	39656	20.834	ug/l	90
13) Acrolein	3.75	56	20008	88.517	ug/l	99
14) Allyl chloride	4.51	41	55294	17.989	ug/l	94
15) Acrylonitrile	5.19	53	59390	99.115	ug/l	99
16) Acetone	3.97	43	45425	98.380	ug/l	96
17) Carbon Disulfide	4.21	76	126499	20.011	ug/l	99
18) Methyl Acetate	4.50	43	27144	18.953	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	98550	19.694	ug/l	99
20) Methylene Chloride	4.74	84	50002	22.033	ug/l	91
21) trans-1,2-Dichloroethene	5.24	96	44073	20.628	ug/l	97
22) Diisopropyl ether	6.15	45	113943	18.420	ug/l	98
23) Vinyl Acetate	6.08	43	359735	91.258	ug/l	97
24) 1,1-Dichloroethane	6.04	63	68200	19.384	ug/l	100
25) 2-Butanone	7.01	43	68154	93.271	ug/l	92
26) 2,2-Dichloropropane	7.00	77	55881	18.987	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	47444	20.371	ug/l	94
28) Bromochloromethane	7.36	49	28451	18.732	ug/l	93
29) Tetrahydrofuran	7.36	42	45423	94.041	ug/l	93
30) Chloroform	7.53	83	65329	19.697	ug/l	97
31) Cyclohexane	7.80	56	69793	18.898	ug/l	92
32) 1,1,1-Trichloroethane	7.72	97	53406	19.346	ug/l	99
36) 1,1-Dichloropropene	7.94	75	55419	19.974	ug/l	97
37) Ethyl Acetate	7.10	43	30318	19.128	ug/l	98
38) Carbon Tetrachloride	7.92	117	46335	19.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	75780	20.078	ug/l	93
40) Benzene	8.18	78	171521	20.376	ug/l	99
41) Methacrylonitrile	7.34	41	13150m	14.064	ug/l	
42) 1,2-Dichloroethane	8.25	62	39451	18.919	ug/l	97
43) Isopropyl Acetate	8.29	43	51984	17.983	ug/l	95
44) Trichloroethene	8.96	130	50250	20.304	ug/l	92
45) 1,2-Dichloropropane	9.23	63	40628	19.452	ug/l	96
46) Dibromomethane	9.32	93	22751	20.833	ug/l	98
47) Bromodichloromethane	9.51	83	49635	19.808	ug/l	94
48) Methyl methacrylate	9.30	41	23102	17.823	ug/l	90
49) 1,4-Dioxane	9.31	88	6740	436.306	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	144367	95.840	ug/l	95
52) Toluene	10.25	92	104864	20.670	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	54186	19.847	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	65474	19.948	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	33561	20.991	ug/l	97
56) Ethyl methacrylate	10.52	69	44499	19.501	ug/l	93
57) 1,3-Dichloropropane	10.80	76	57531	20.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	119313	100.968	ug/l	98
59) 2-Hexanone	10.85	43	99908	95.566	ug/l	96
60) Dibromochloromethane	11.00	129	35453	20.795	ug/l	100
61) 1,2-Dibromoethane	11.10	107	31467	20.673	ug/l	98
64) Tetrachloroethene	10.73	164	52530	20.584	ug/l	98
65) Chlorobenzene	11.53	112	108512	20.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36099	20.839	ug/l	99
67) Ethyl Benzene	11.60	91	195794	20.384	ug/l	99
68) m/p-Xylenes	11.71	106	149720	41.616	ug/l	96
69) o-Xylene	12.04	106	70367	20.833	ug/l	97
70) Styrene	12.05	104	121084	20.663	ug/l	98
71) Bromoform	12.22	173	19430	20.625	ug/l #	98
73) Isopropylbenzene	12.34	105	186638	20.328	ug/l	99
74) N-amyl acetate	12.15	43	46791	17.953	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	23974	21.582	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	25120m	18.510	ug/l	
77) Bromobenzene	12.62	156	40682	20.140	ug/l	98
78) n-propylbenzene	12.68	91	226608	19.845	ug/l	98
79) 2-Chlorotoluene	12.77	91	123821	19.953	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	151932	20.009	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.39	75	14227	20.390	ug/l	96
82) 4-Chlorotoluene	12.86	91	127357	19.581	ug/l	97
83) tert-Butylbenzene	13.08	119	127874	20.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	152016	20.048	ug/l	99
85) sec-Butylbenzene	13.26	105	192612	20.329	ug/l	100
86) p-Isopropyltoluene	13.38	119	165975	20.353	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81004	20.692	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79962	20.122	ug/l	99
89) n-Butylbenzene	13.70	91	166387	19.906	ug/l	100
90) Hexachloroethane	13.97	117	29911	19.248	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	72503	20.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5243	19.515	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46499	19.999	ug/l	98
94) Hexachlorobutadiene	15.13	225	22784	19.455	ug/l	97
95) Naphthalene	15.25	128	102459	20.126	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40668	20.143	ug/l	100

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

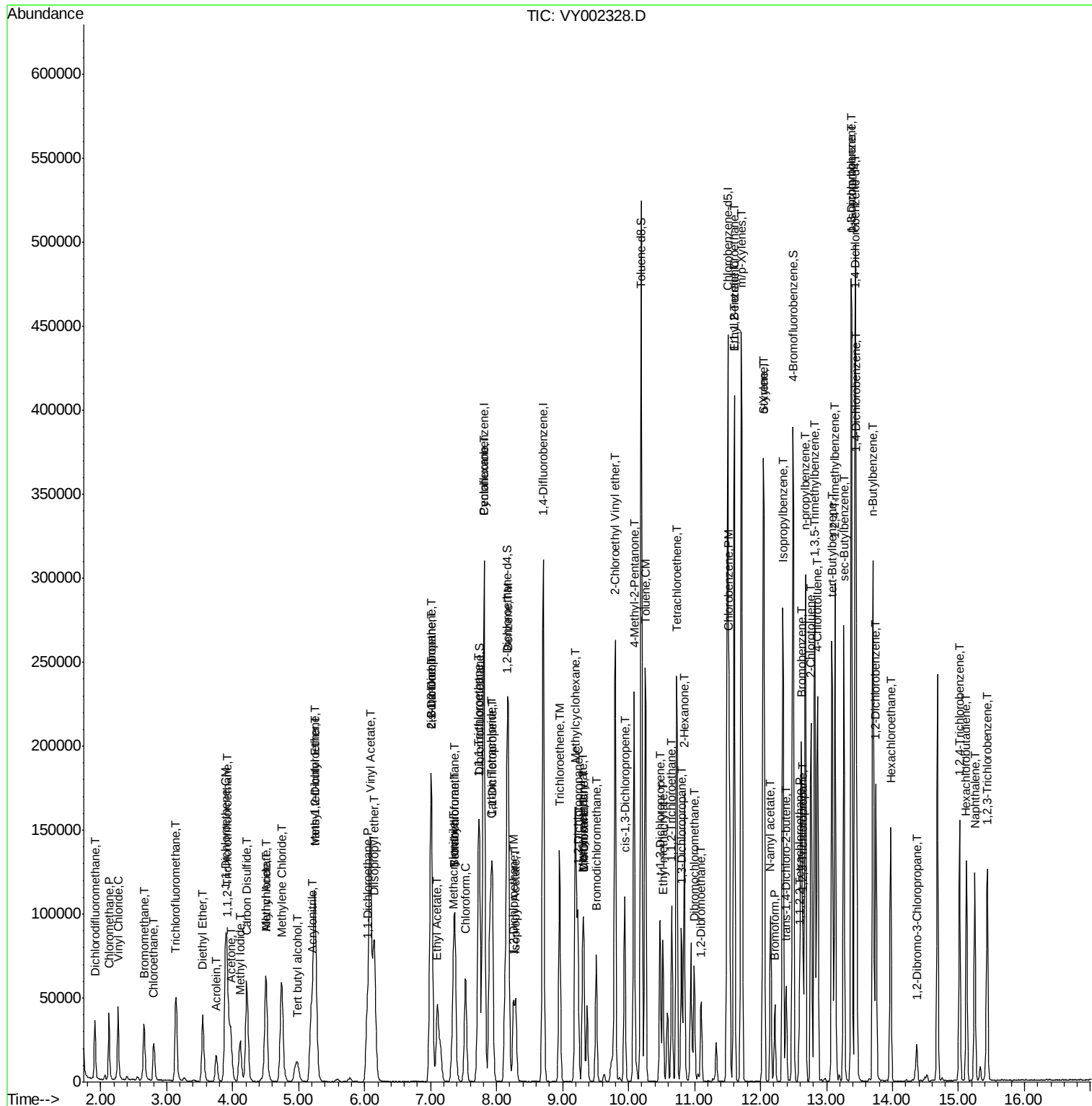
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 Data File : VY002328.D
 Acq On : 15 Apr 2020 11:59
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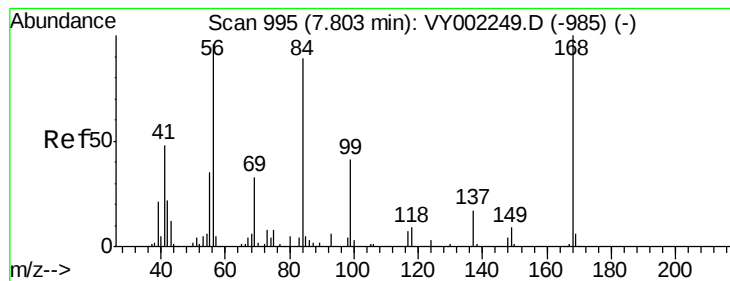
Instrument :
 MSVOA_Y
 Client Sample Id :
 VY0415SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion:168 Resp: 157640

Ion Ratio Lower Upper

168 100

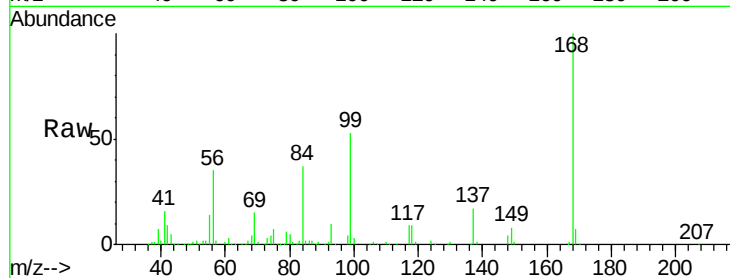
99 53.4 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

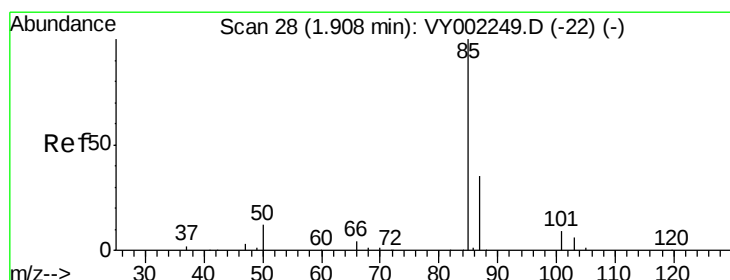
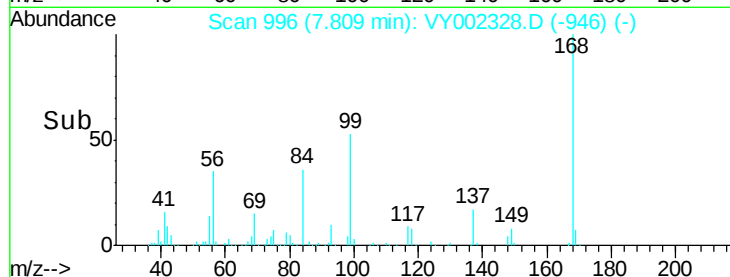
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.233 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002328.D

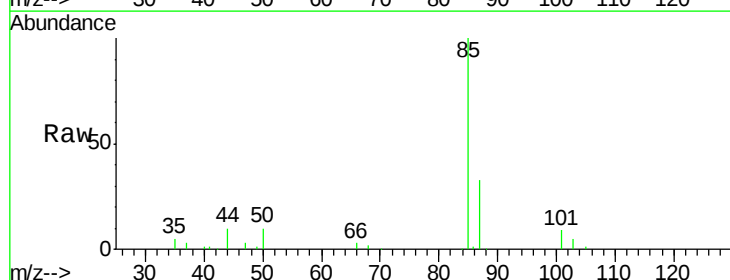
Acq: 15 Apr 2020 11:59

Tgt Ion: 85 Resp: 29049

Ion Ratio Lower Upper

85 100

87 32.6 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

20000

15000

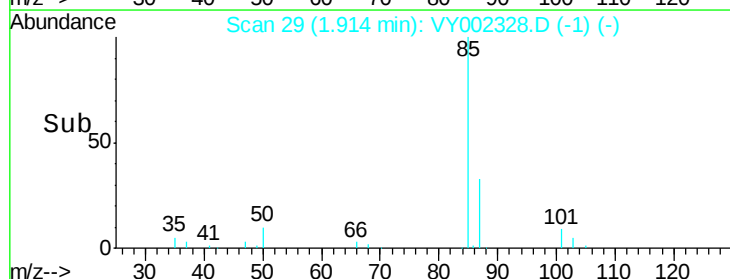
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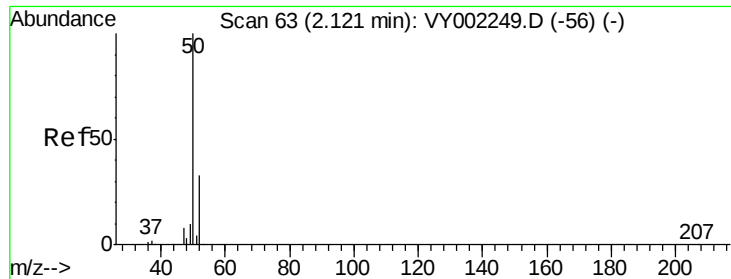
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.040 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 50 Resp: 38178

Ion Ratio Lower Upper

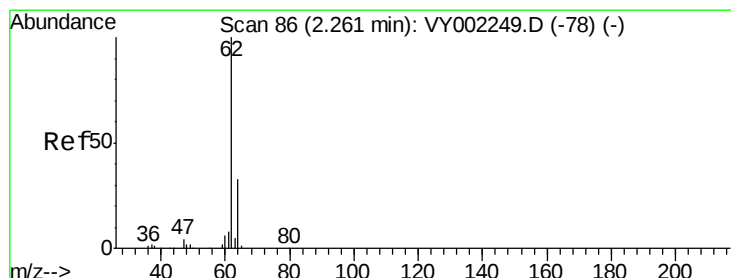
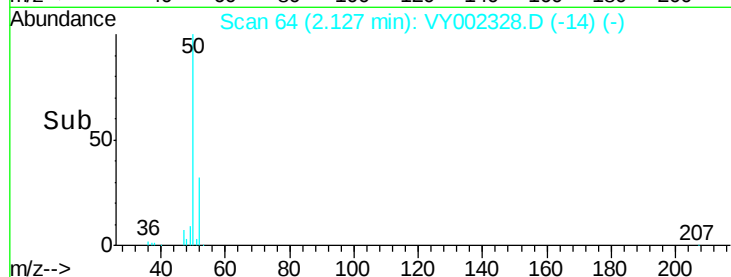
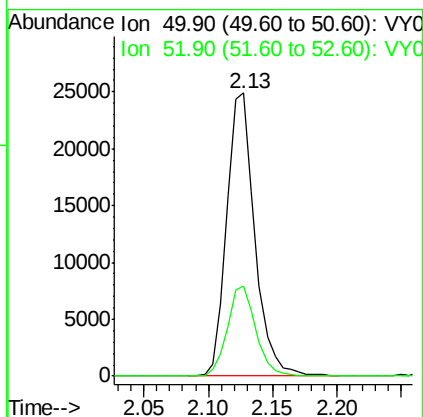
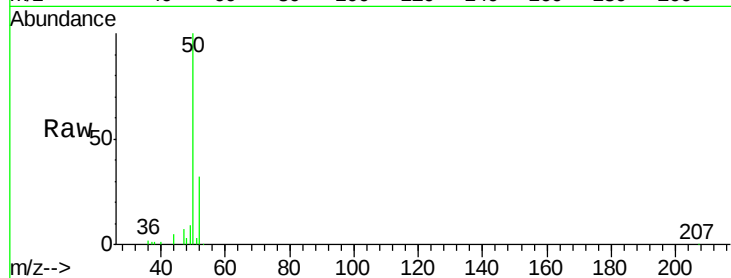
50 100

52 31.6 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.019 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002328.D

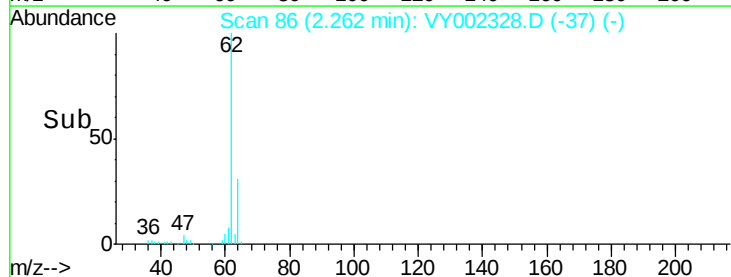
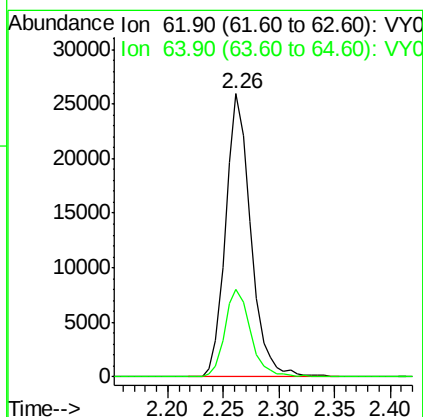
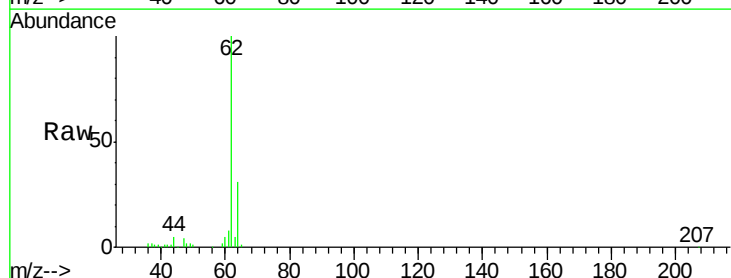
Acq: 15 Apr 2020 11:59

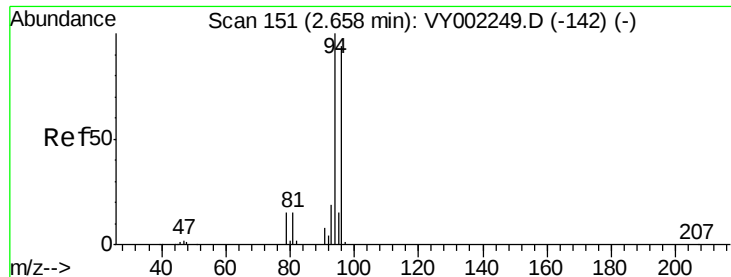
Tgt Ion: 62 Resp: 40591

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 18.752 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 94 Resp: 24715

Ion Ratio Lower Upper

94 100

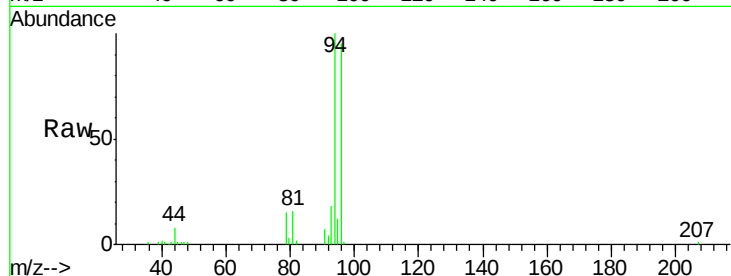
96 94.7 75.6 113.4

Manual Integrations

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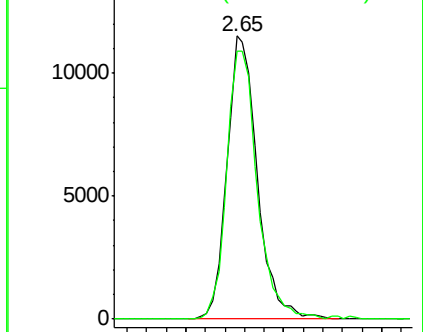
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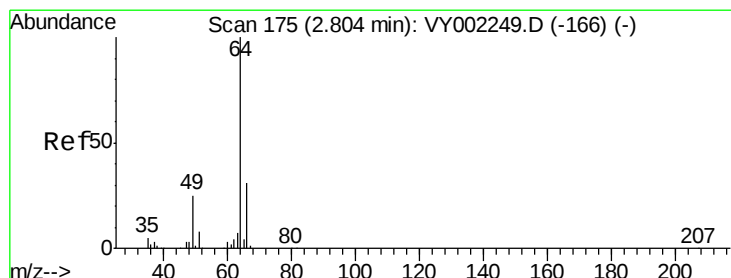
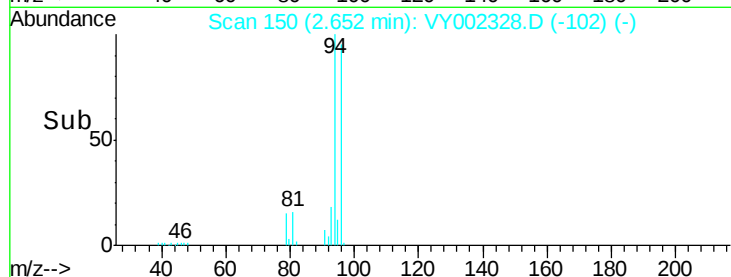


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 18.815 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002328.D

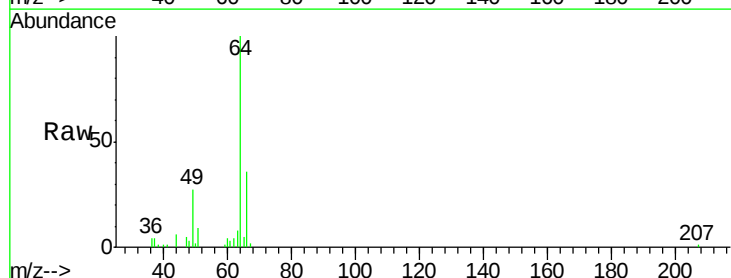
Acq: 15 Apr 2020 11:59

Tgt Ion: 64 Resp: 23158

Ion Ratio Lower Upper

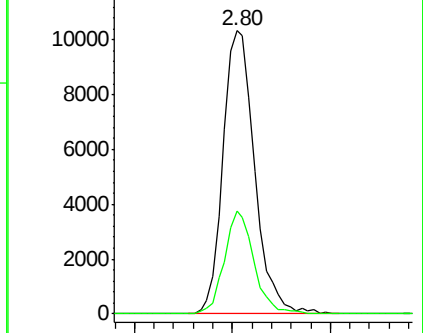
64 100

66 36.4 24.6 37.0

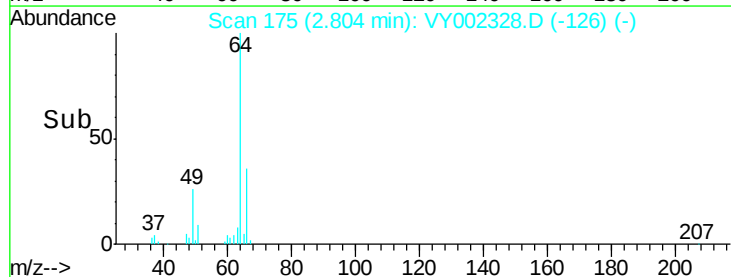


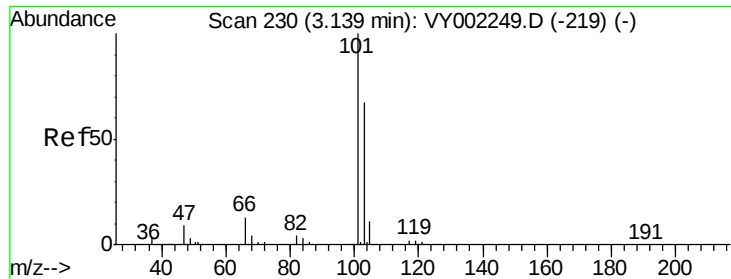
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

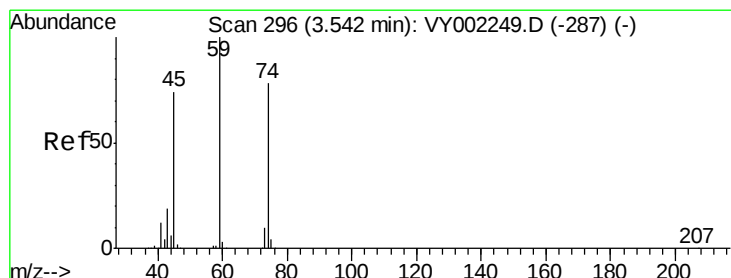
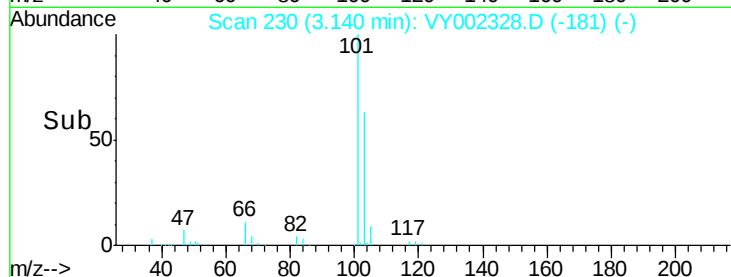
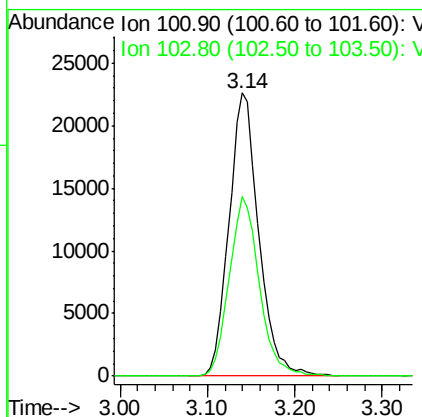
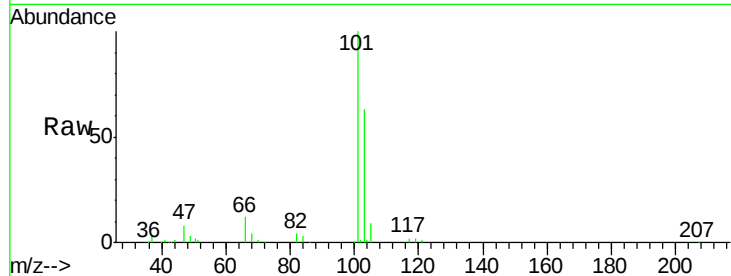
Trichlorofluoromethane
 Concen: 19.417 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002328.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.3	79.9

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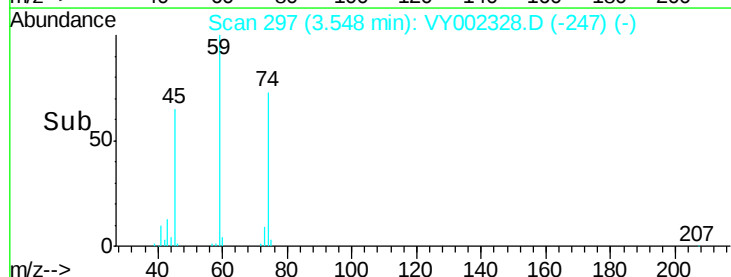
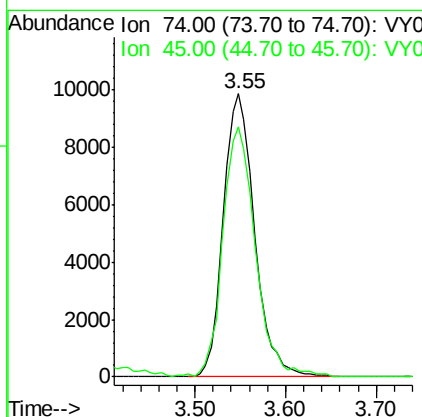
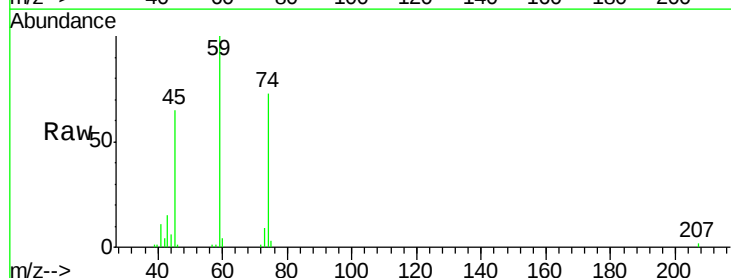
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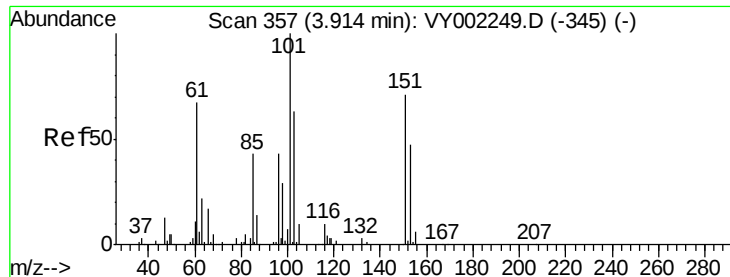


#8

Diethyl Ether
 Concen: 20.212 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.554 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

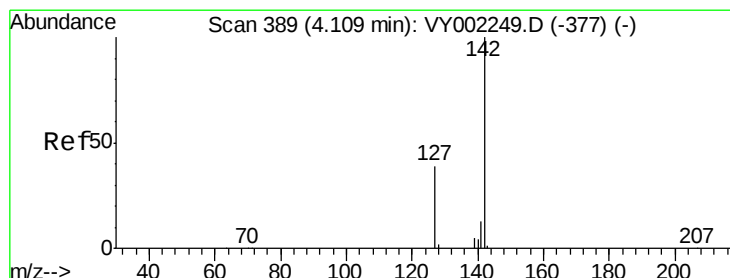
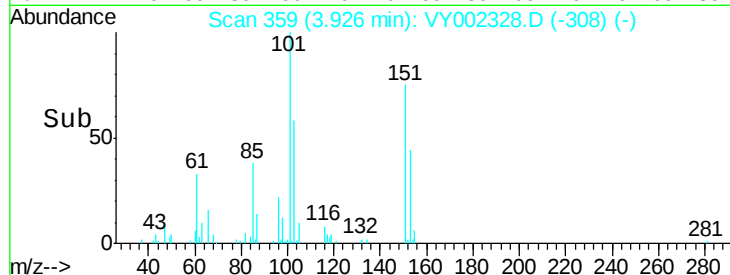
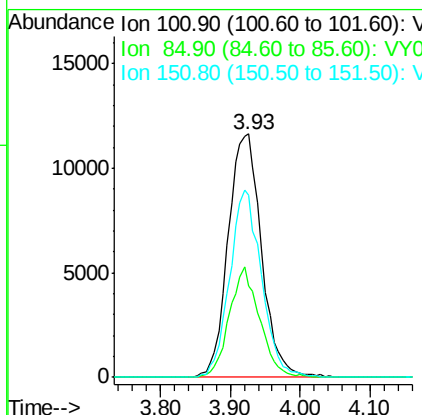
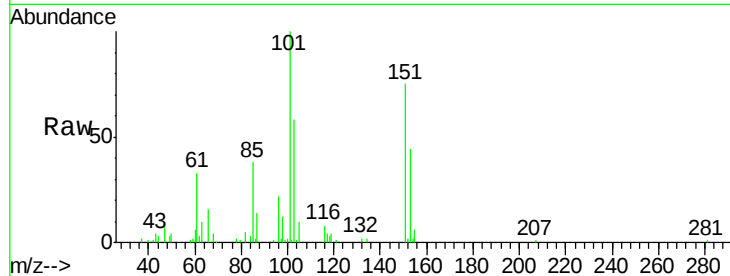
ClientSampleId :

VY0415SBS01

Tot Ion:	101	Resp:	38483
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.6	52.0
151	73.7	57.6	86.4

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#10

Methyl Iodide

Concen: 19.892 ug/l

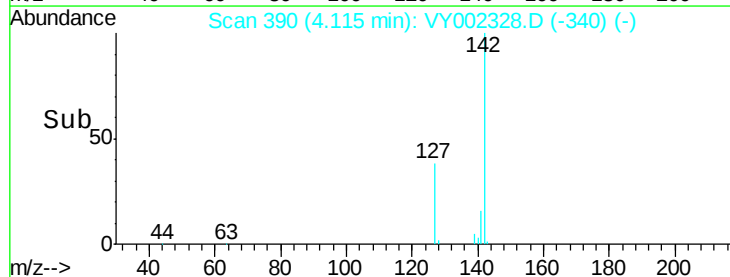
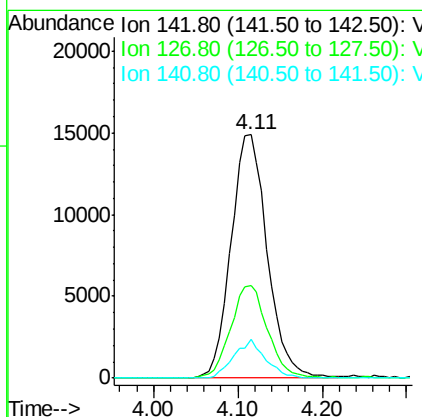
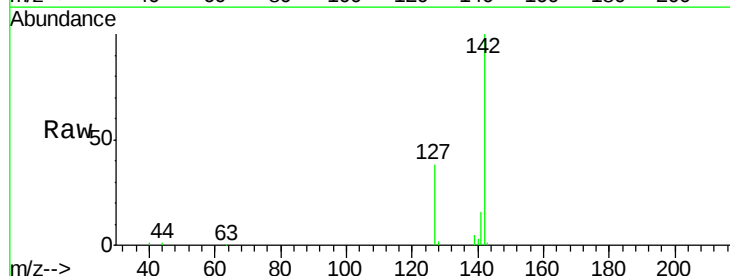
RT: 4.11 min Scan# 390

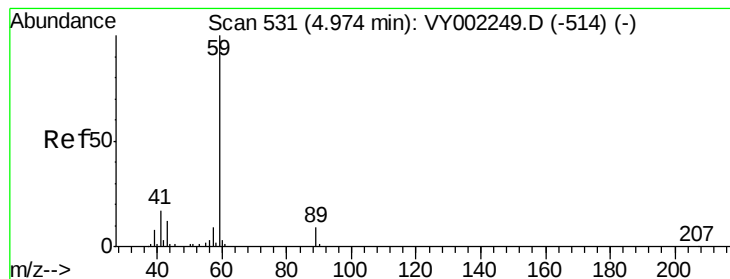
Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	142	Resp:	43291
Ion Ratio	Lower	Upper	
142	100		
127	38.6	32.4	48.6
141	13.8	11.2	16.8





#11

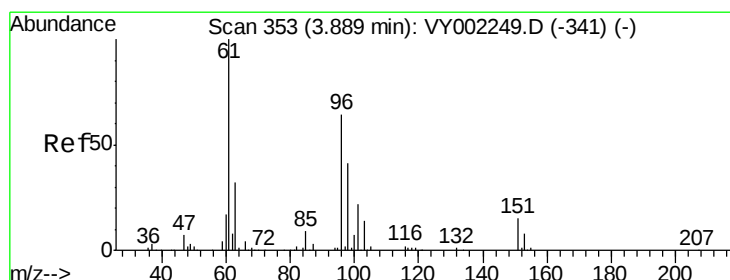
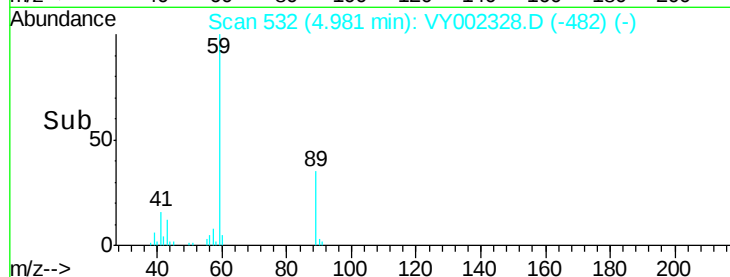
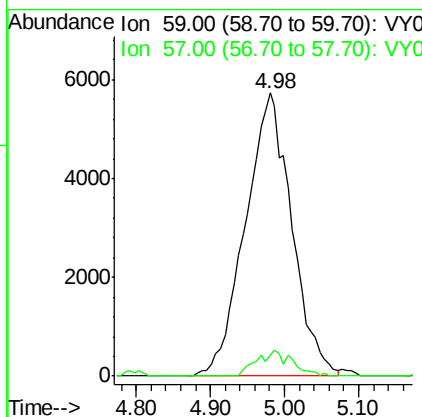
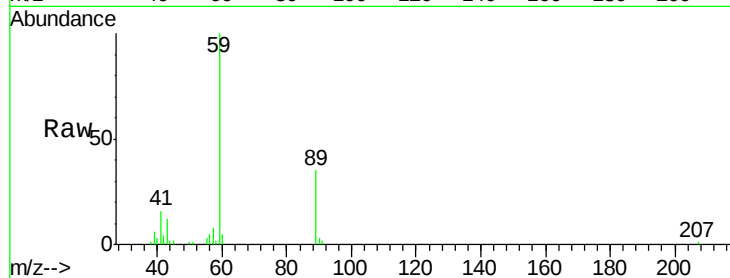
Tert butyl alcohol
Concen: 114.976 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24849		
57	4.8		6.6	9.8#

Manual Integrations
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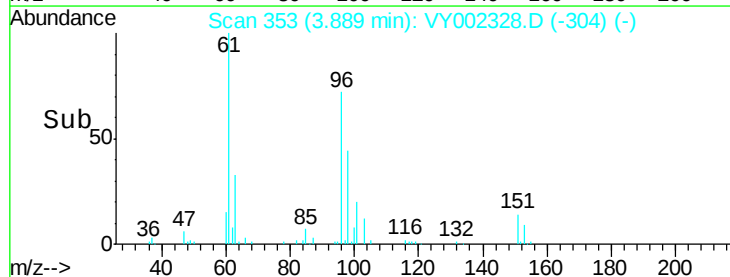
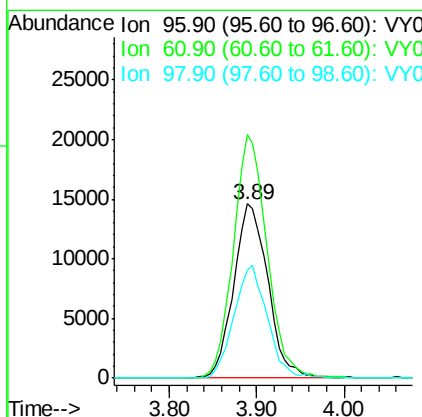
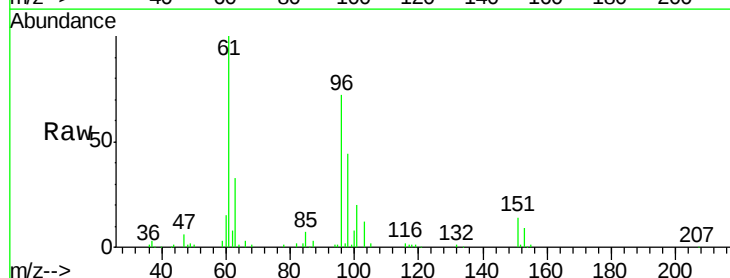
MMDadoda
4/16/2020 10:31:50 AM

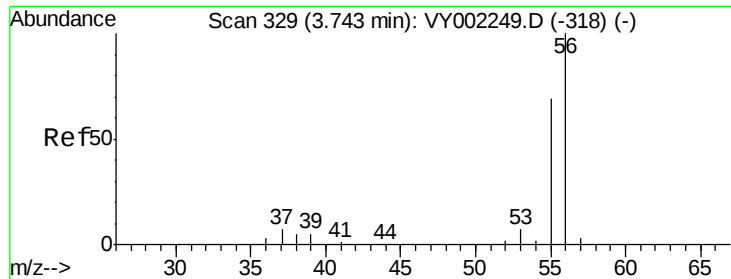


#12

1,1-Dichloroethene
Concen: 20.834 ug/l
RT: 3.89 min Scan# 353
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	39656		
61	139.7		125.9	188.9
98	62.0		51.1	76.7





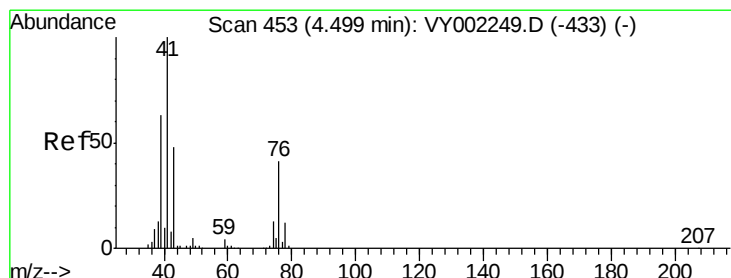
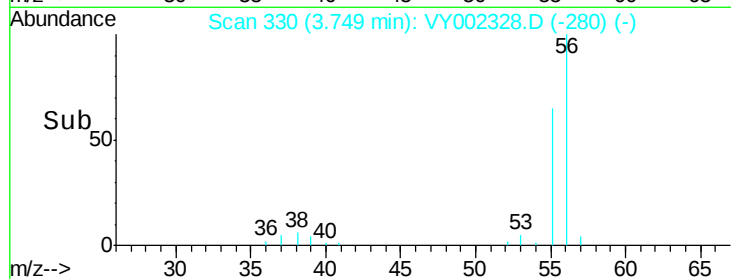
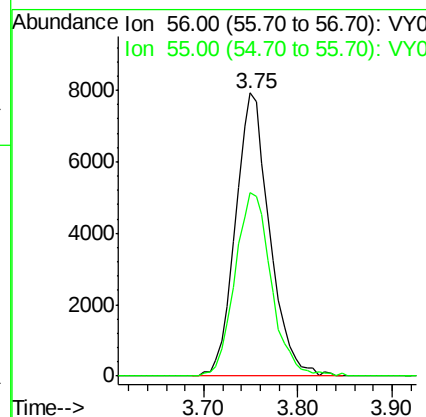
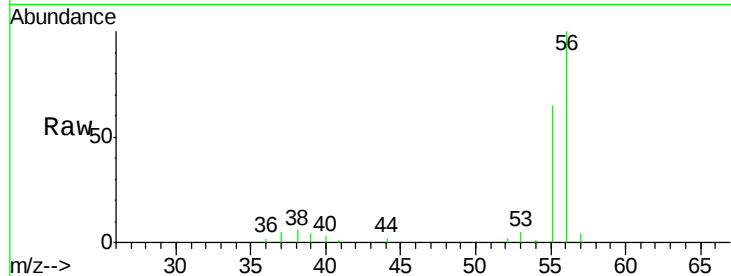
#13
Acrolein
Concen: 88.517 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	56	Resp	20008
Ion Ratio	100	Lower	Upper
56	100		
55	68.7	55.8	83.8

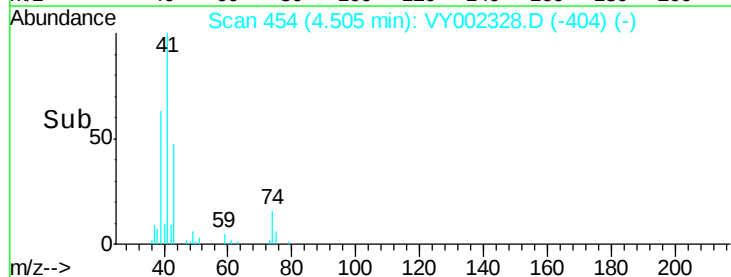
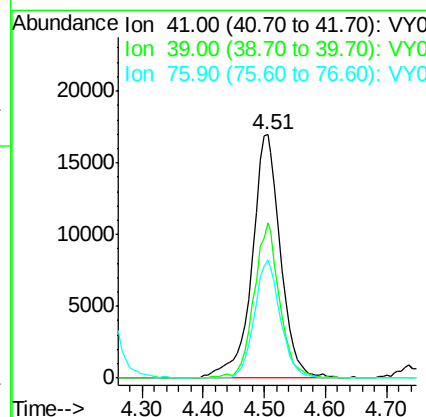
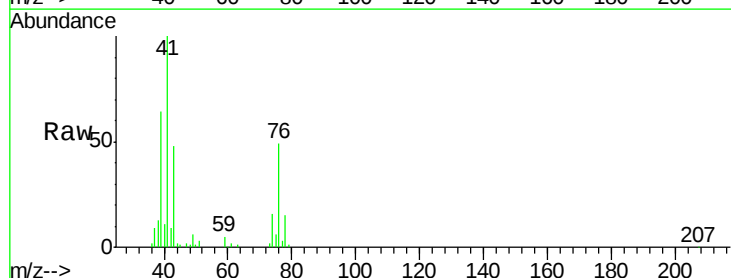
Manual Integrations
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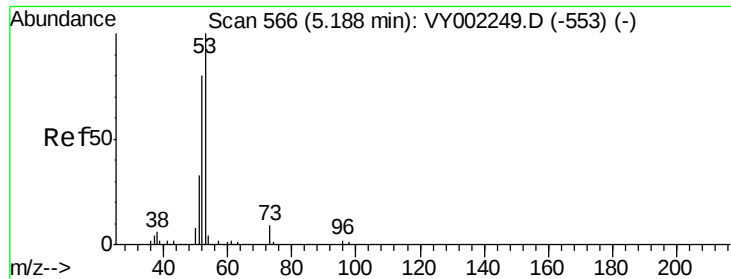
MMDadoda
4/16/2020 10:31:50 AM



#14
Allyl chloride
Concen: 17.989 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	41	Resp	55294
Ion Ratio	100	Lower	Upper
41	100		
39	57.4	48.0	72.0
76	44.1	31.0	46.6





#15

Acrylonitrile

Concen: 99.115 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

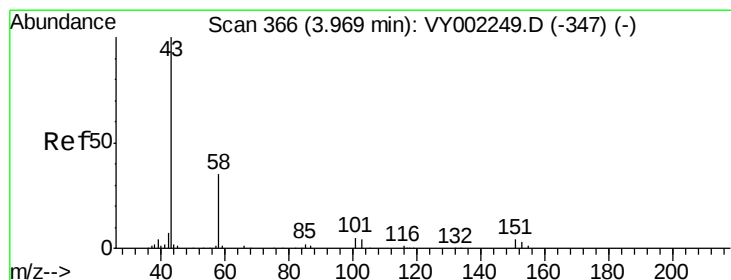
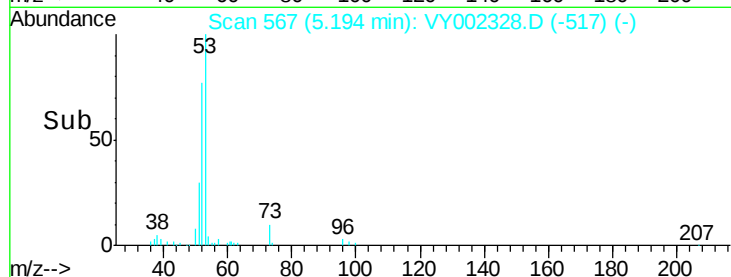
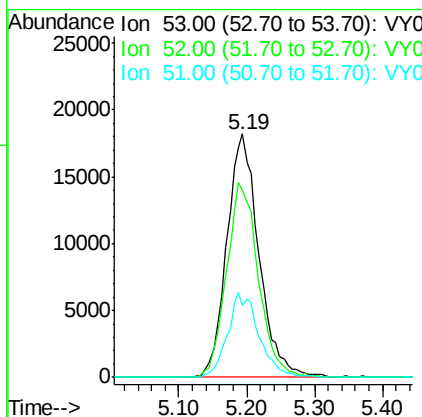
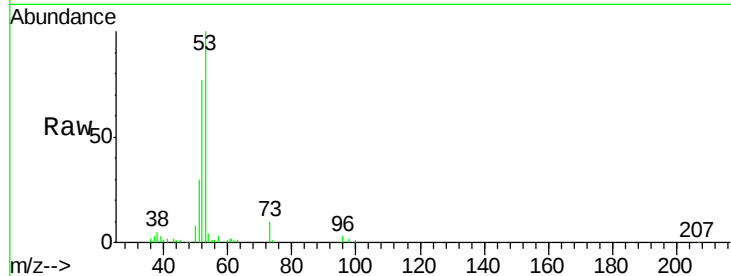
ClientSampleId :

VY0415SBS01

Tot Ion:	53	Resp:	59390
Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.1	97.7
51	34.1	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 98.380 ug/l

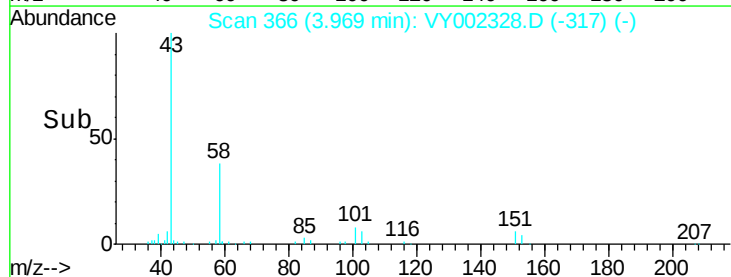
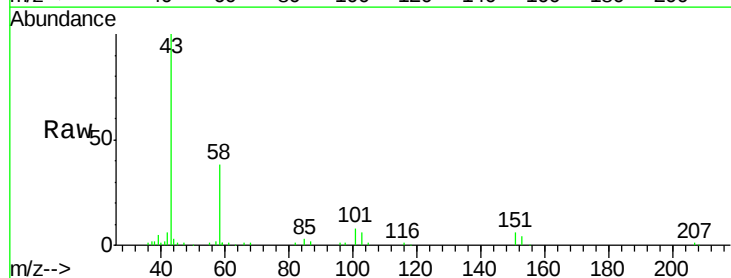
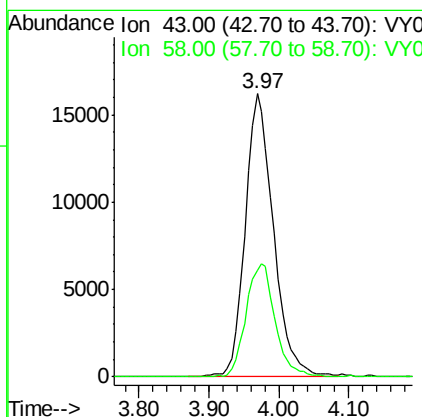
RT: 3.97 min Scan# 366

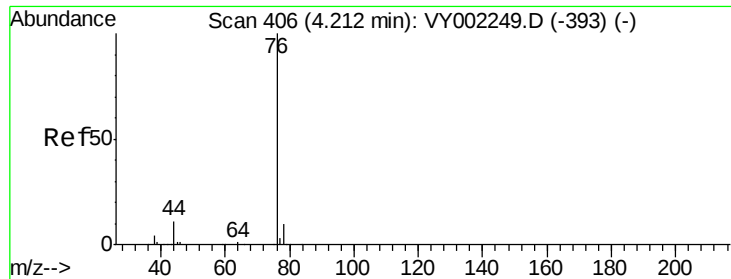
Delta R.T. 0.00 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	43	Resp:	45425
Ion	Ratio	Lower	Upper
43	100		
58	37.7	28.5	42.7





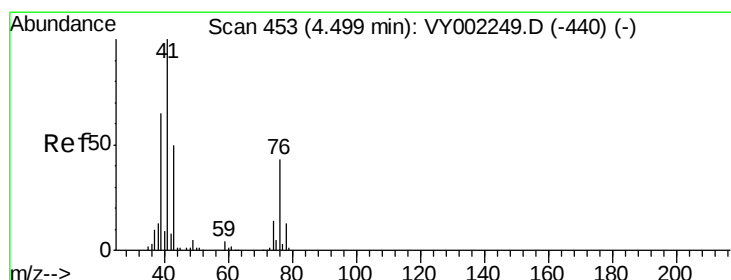
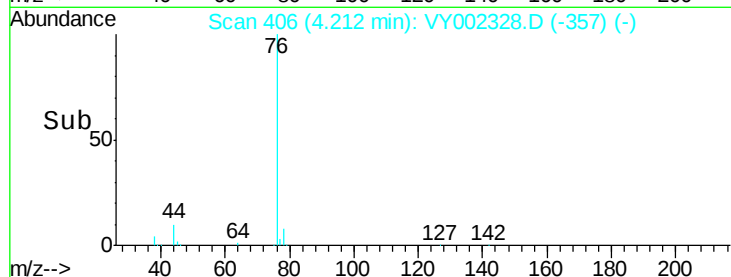
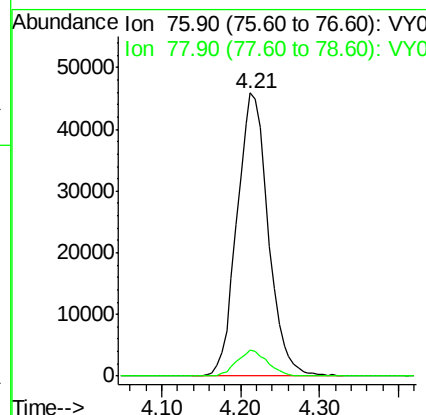
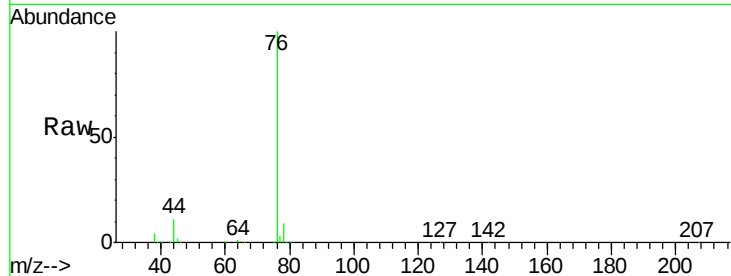
#17
Carbon Disulfide
Concen: 20.011 ug/l
RT: 4.21 min Scan# 406
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

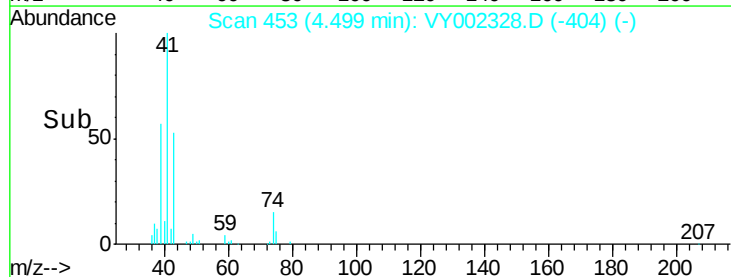
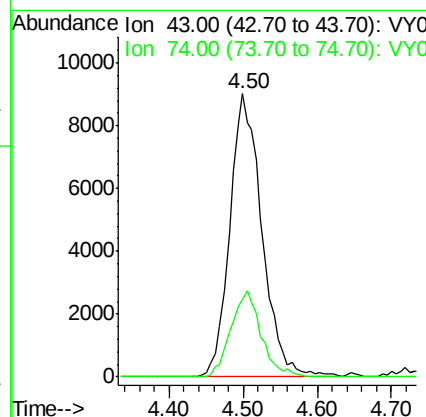
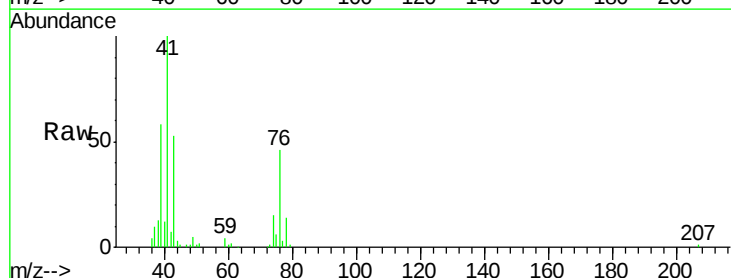
Manual Integrations
APPROVED

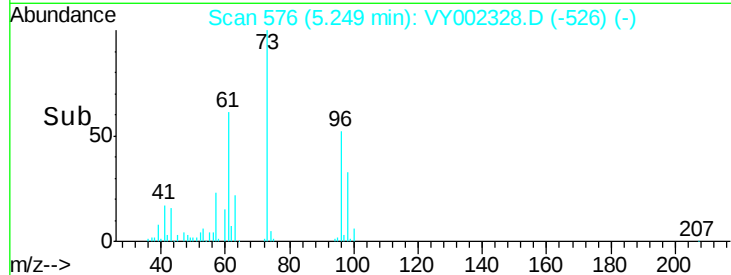
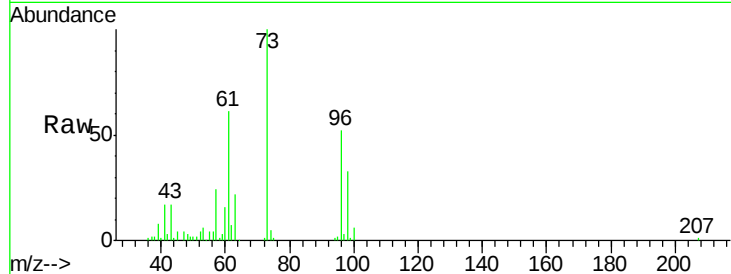
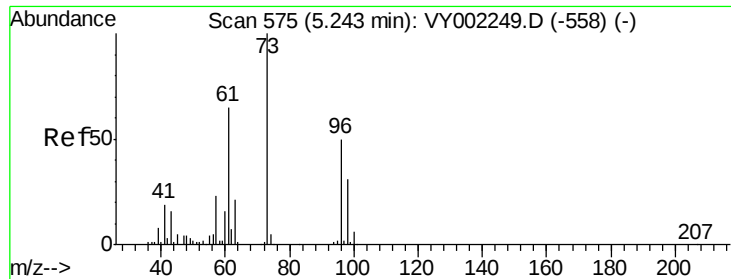
MMDadoda
4/16/2020 10:31:50 AM



#18
Methyl Acetate
Concen: 18.953 ug/l
RT: 4.50 min Scan# 453
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	20.3	30.5





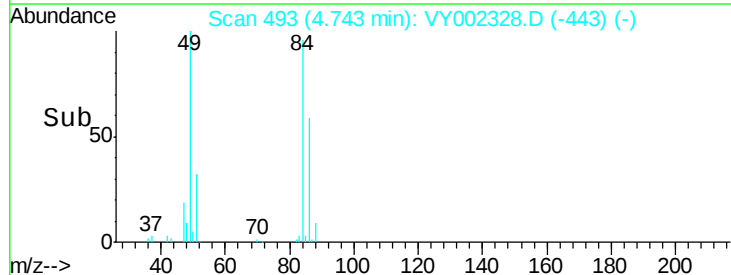
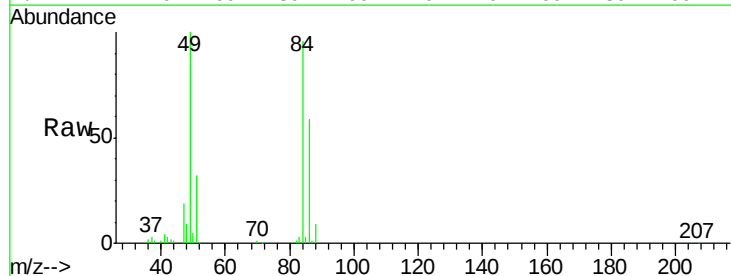
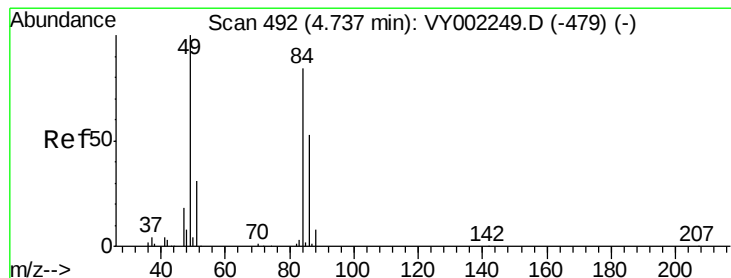
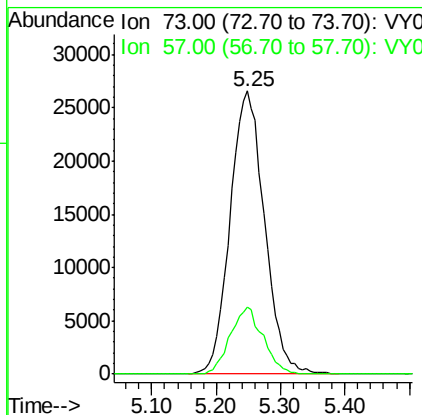
#19
Methvl tert-butvl Ether
Concen: 19.694 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tot Ion: 73 Resp: 98550
Ion Ratio Lower Upper
73 100
57 23.8 18.7 28.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

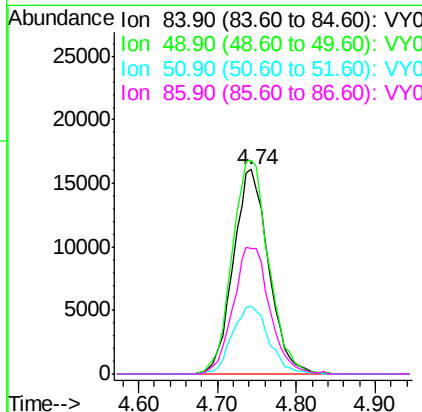
Manual Integrations
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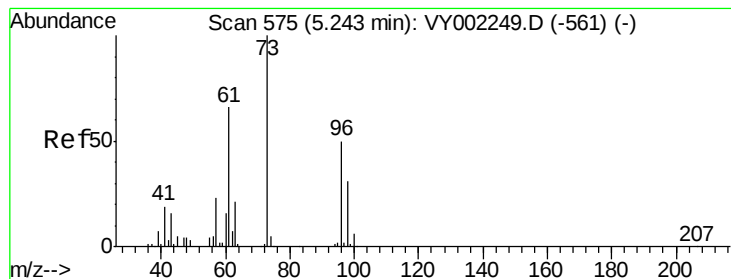
MMDadoda
4/16/2020 10:31:50 AM



#20
Methylene Chloride
Concen: 22.033 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion: 84 Resp: 50002
Ion Ratio Lower Upper
84 100
49 104.3 95.5 143.3
51 33.1 29.5 44.3
86 61.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.628 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 96 Resp: 44073

Ion Ratio Lower Upper

96 100

61 126.3 104.6 157.0

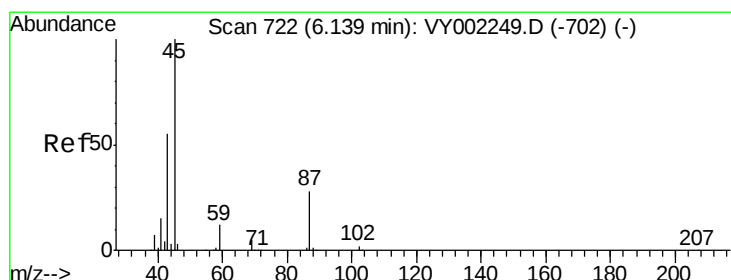
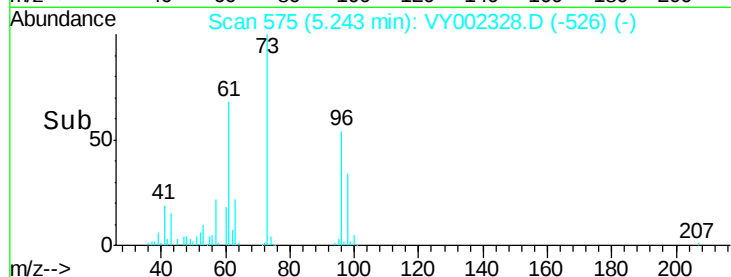
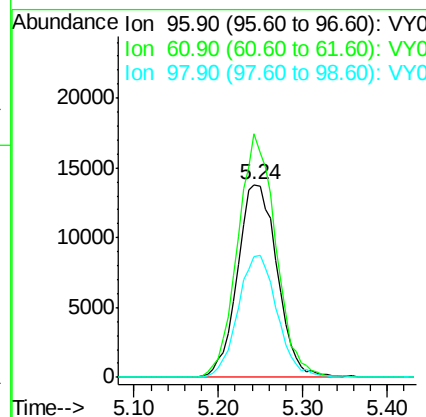
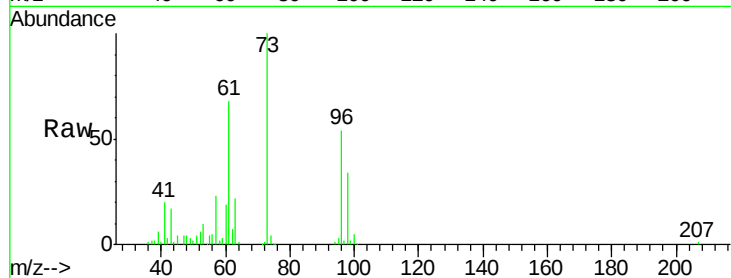
98 62.6 50.1 75.1

Manual Integrations

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4/16/2020 10:31:50 AM



#22

Diisopropyl ether

Concen: 18.420 ug/l

RT: 6.15 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion: 45 Resp: 113943

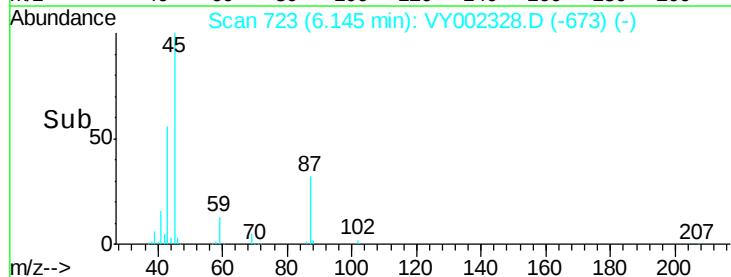
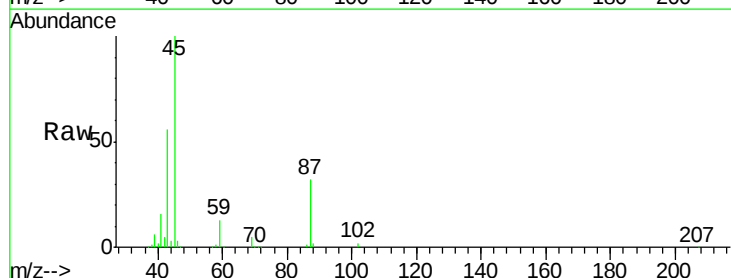
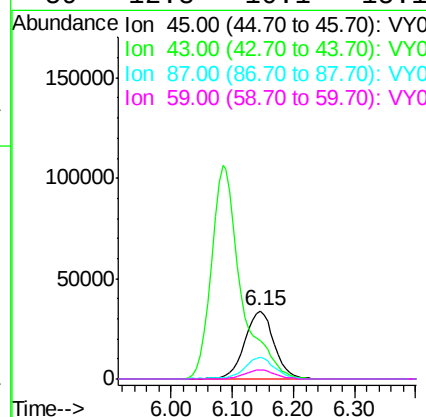
Ion Ratio Lower Upper

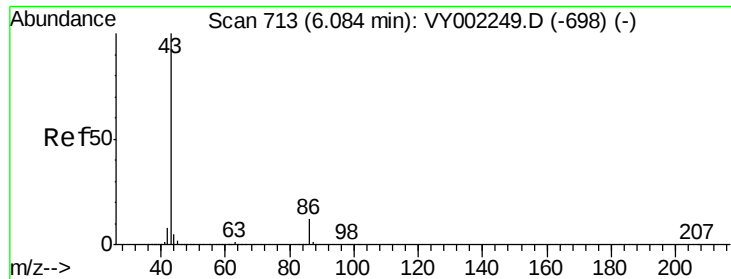
45 100

43 55.6 44.7 67.1

87 32.0 23.0 34.4

59 12.8 10.1 15.1





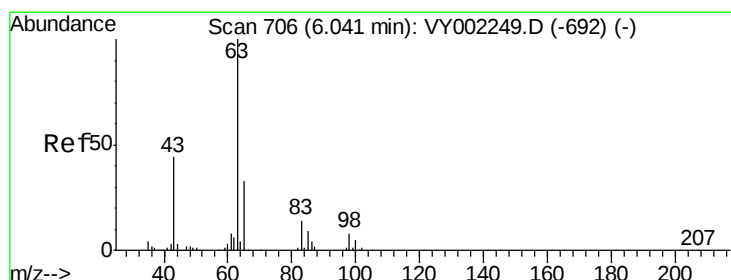
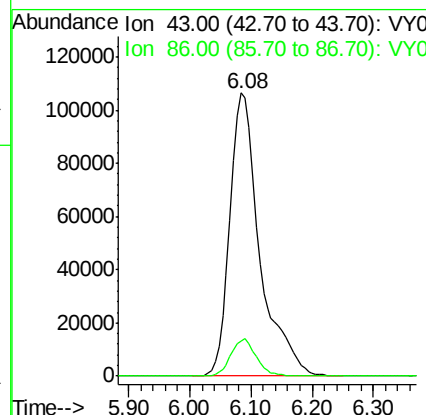
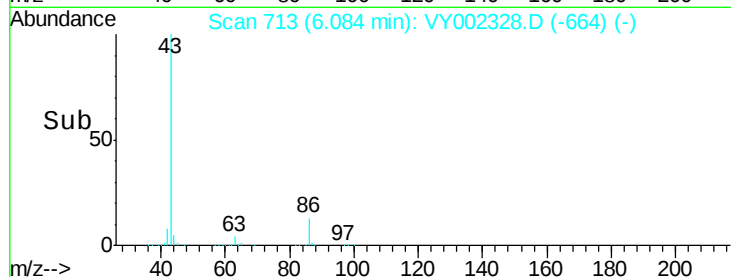
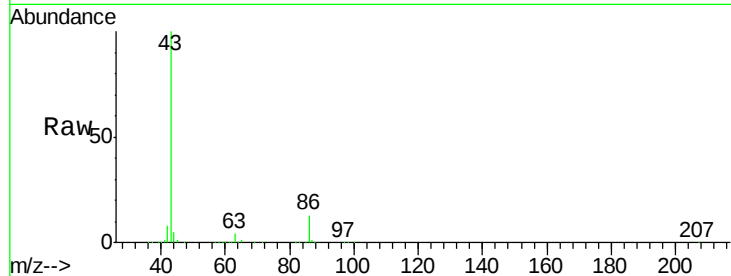
#23
 Vinyl Acetate
 Concen: 91.258 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	359735		
86	12.6		9.2	13.8

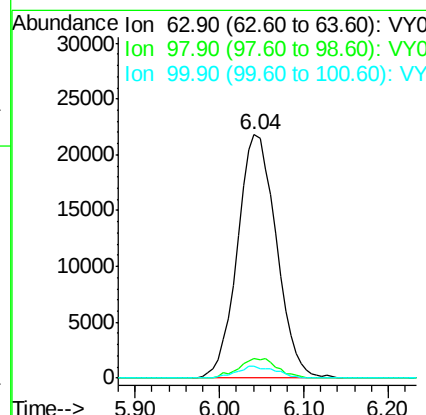
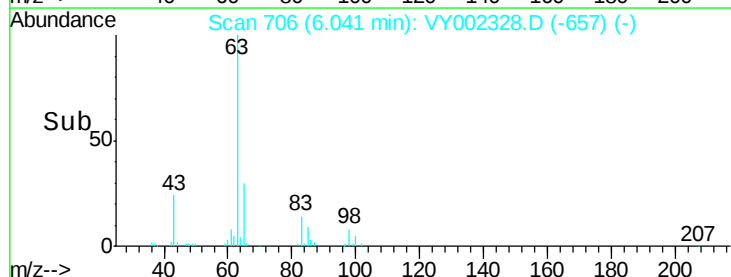
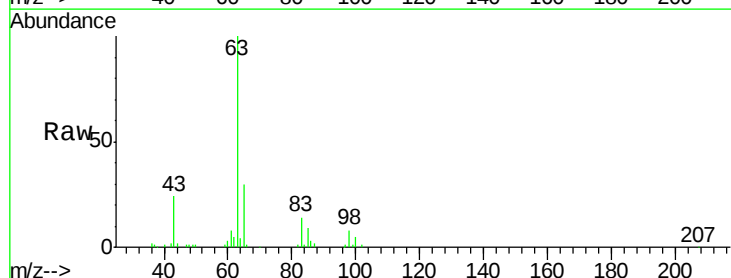
Manual Integrations
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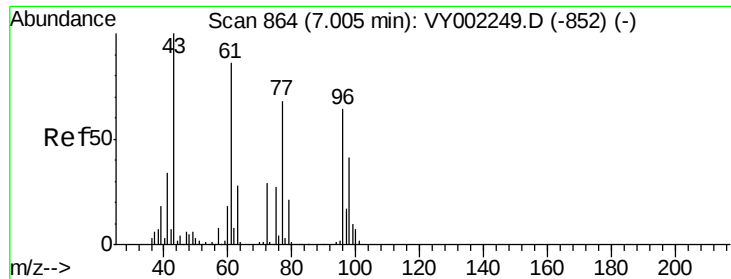
MMDadoda
 4/16/2020 10:31:50 AM



#24
 1,1-Dichloroethane
 Concen: 19.384 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	68200		
98	8.0		4.0	12.0
100	4.8		2.4	7.1





#25

2-Butanone

Concen: 93.271 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 43 Resp: 68154

Ion Ratio Lower Upper

43 100

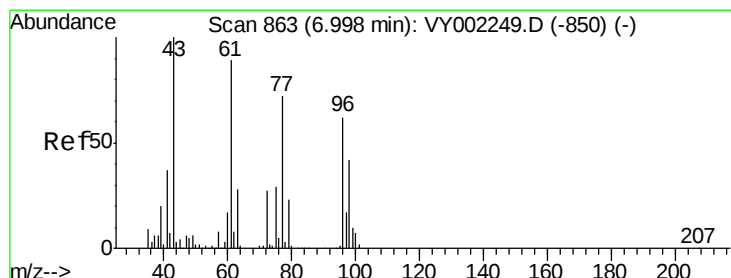
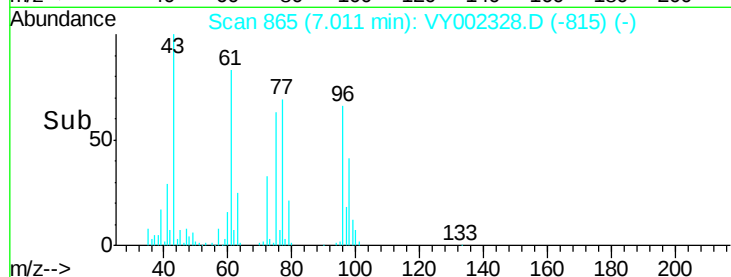
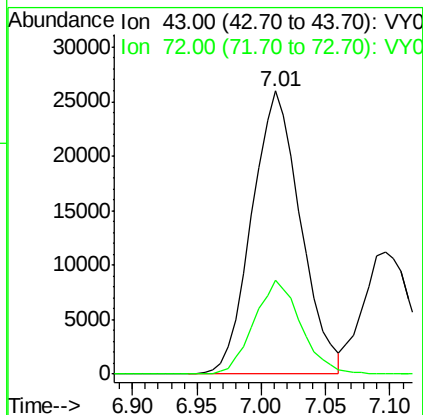
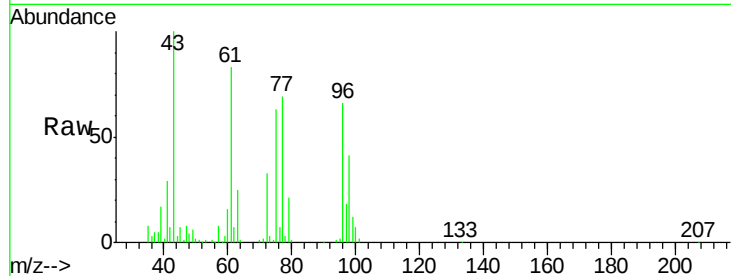
72 33.0 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.987 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002328.D

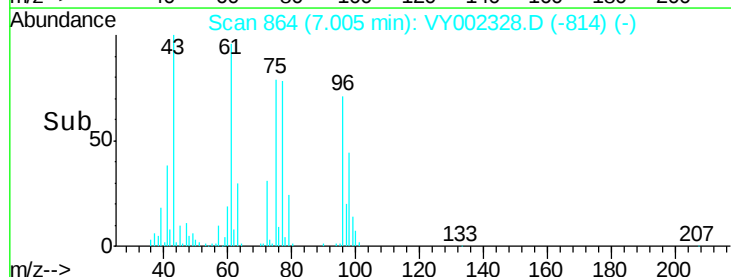
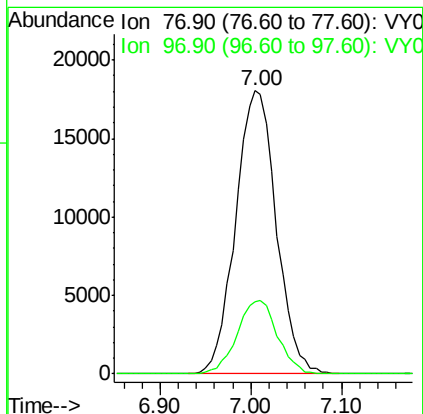
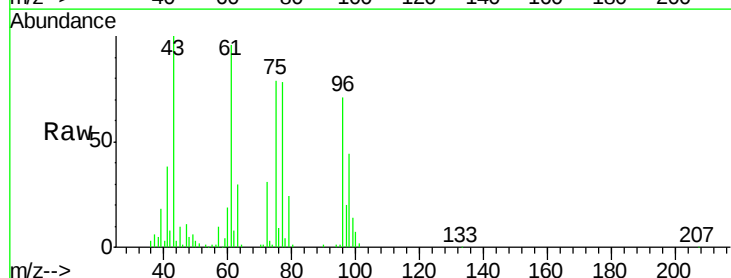
Acq: 15 Apr 2020 11:59

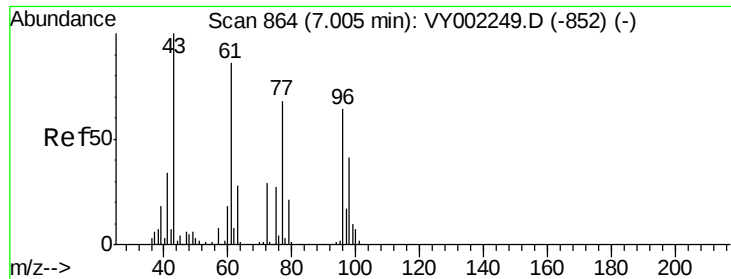
Tgt Ion: 77 Resp: 55881

Ion Ratio Lower Upper

77 100

97 25.7 12.2 36.6





#27

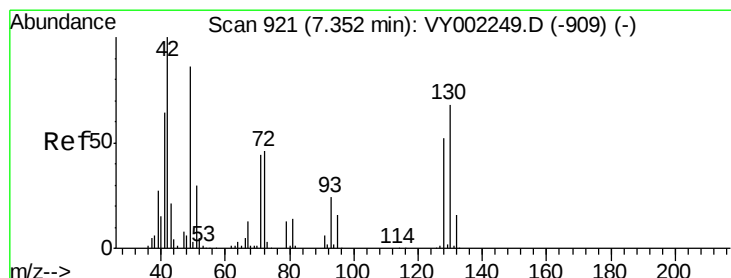
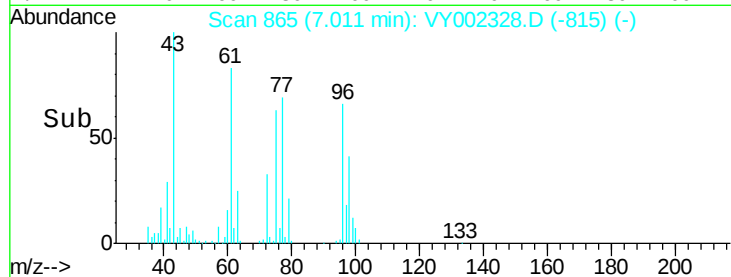
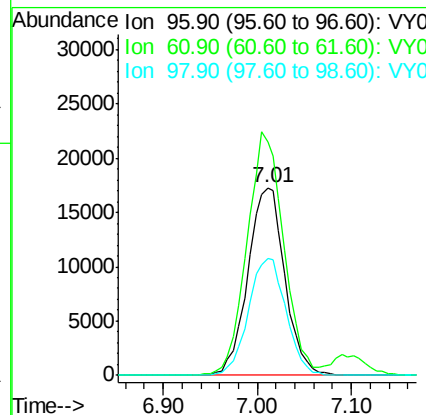
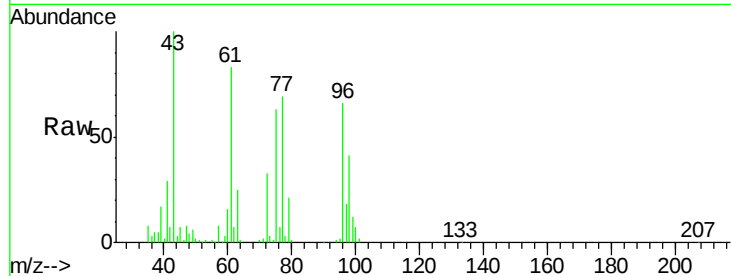
cis-1,2-Dichloroethene
 Concen: 20.371 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	278.0
98	63.5	0.0	128.6

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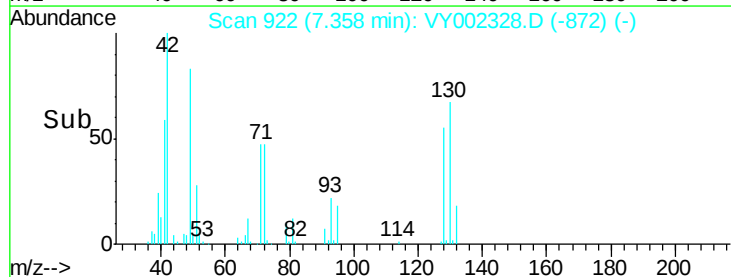
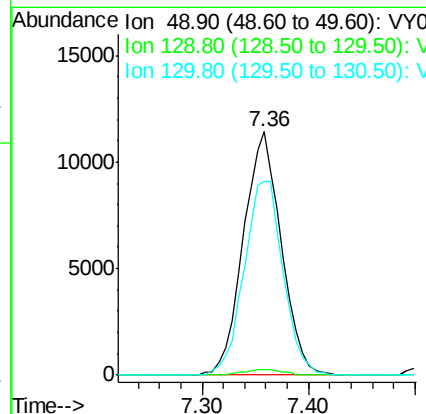
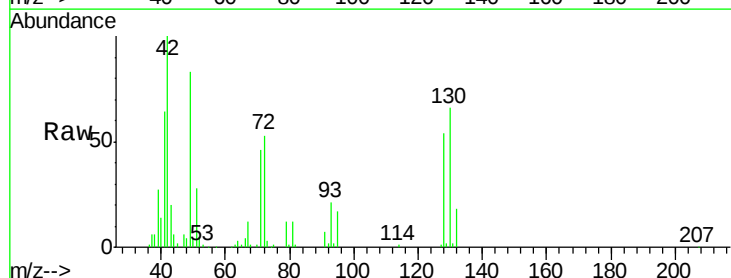
MMDadoda
 4/16/2020 10:31:50 AM

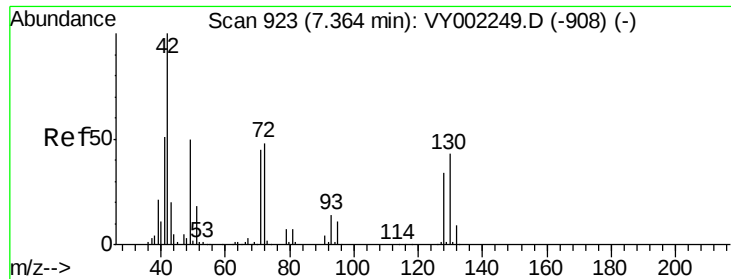


#28

Bromochloromethane
 Concen: 18.732 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	82.2	60.9	91.3





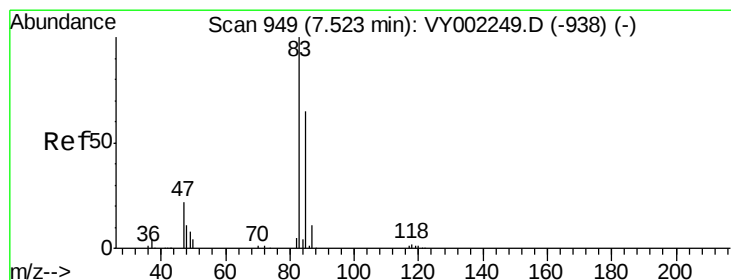
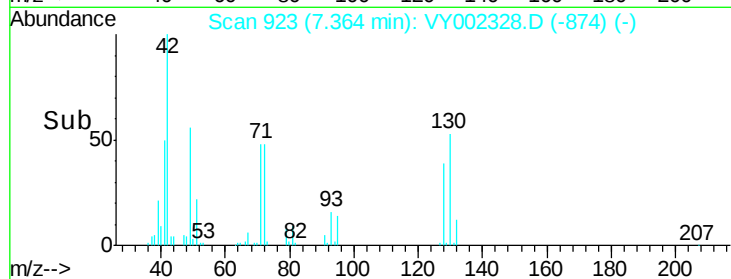
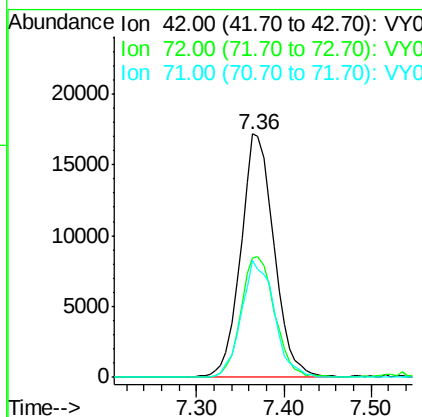
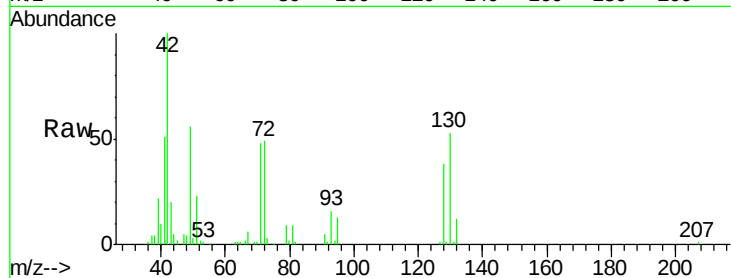
#29
Tetrahydrofuran
Concen: 94.041 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	36.7	55.1
71	47.3	34.7	52.1

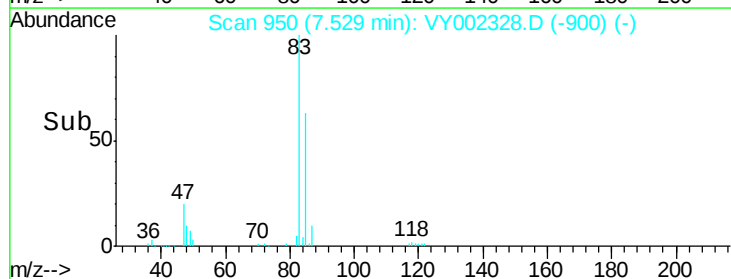
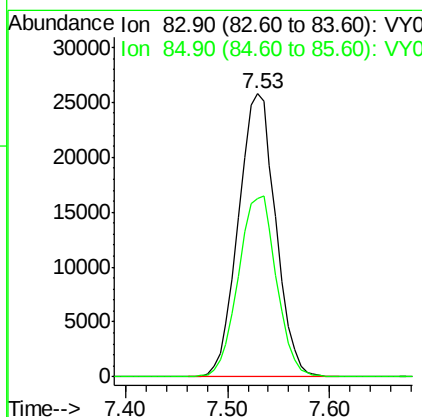
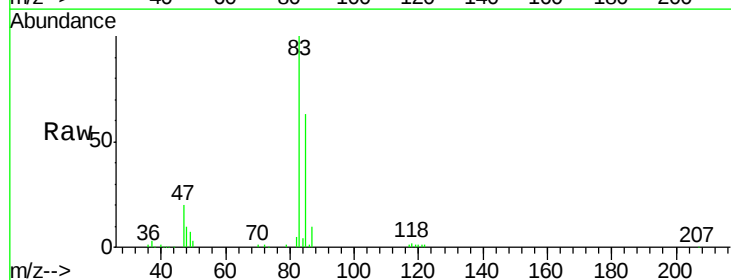
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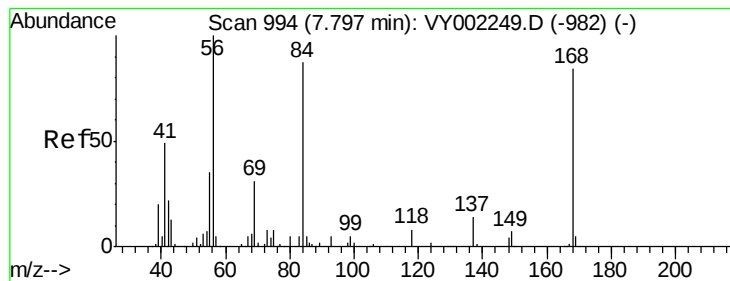
MMDadoda
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#30
Chloroform
Concen: 19.697 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0





#31

Cyclohexane

Concen: 18.898 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 56 Resp: 69793

Ion Ratio Lower Upper

56 100

69 34.4 25.0 37.6

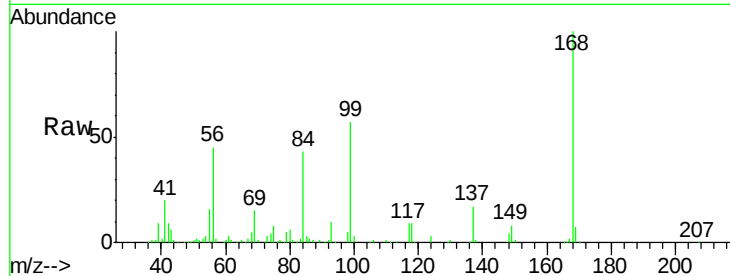
84 95.0 69.7 104.5

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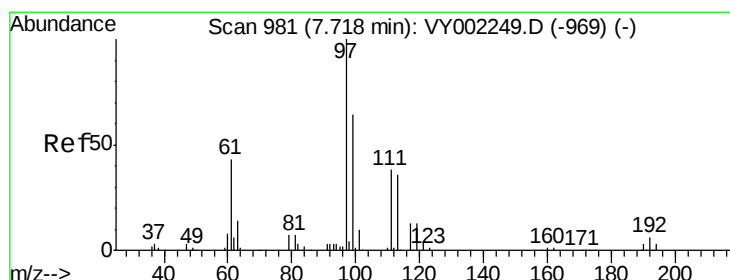
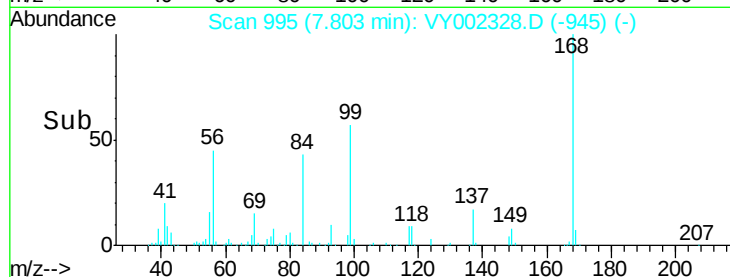
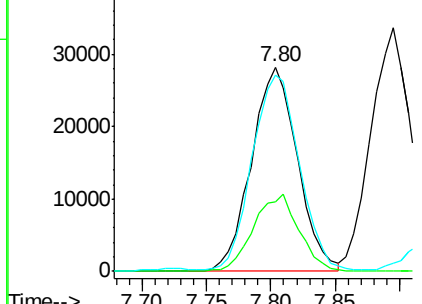
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.346 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

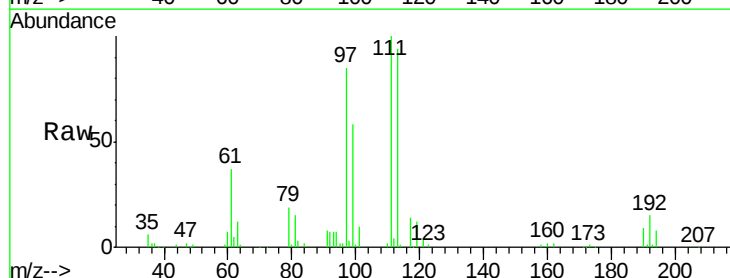
Tgt Ion: 97 Resp: 53406

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

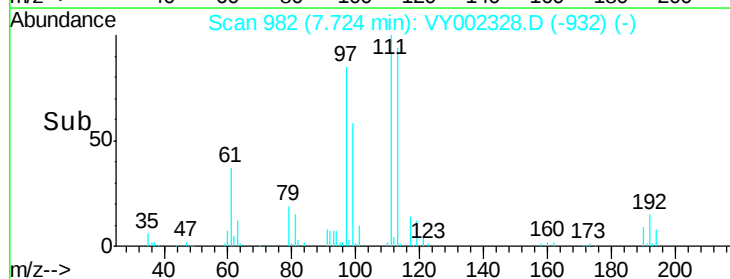
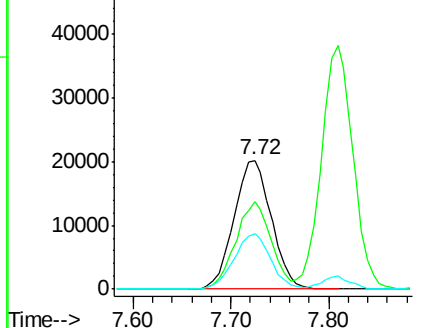
61 42.2 34.3 51.5

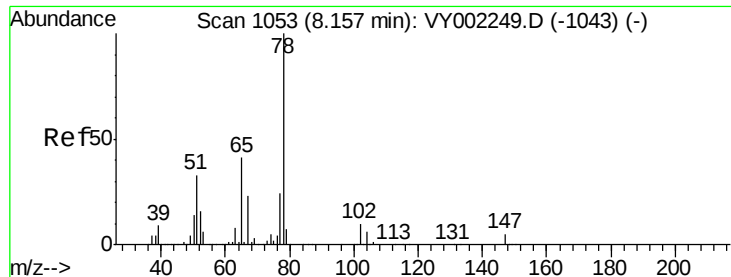


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





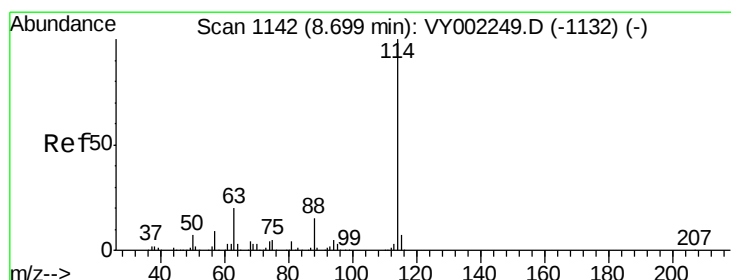
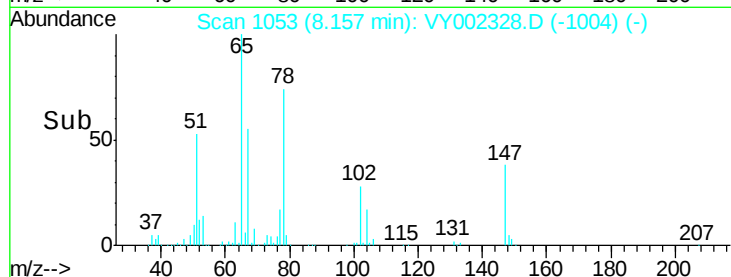
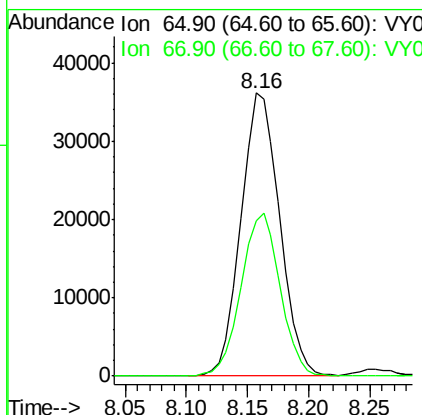
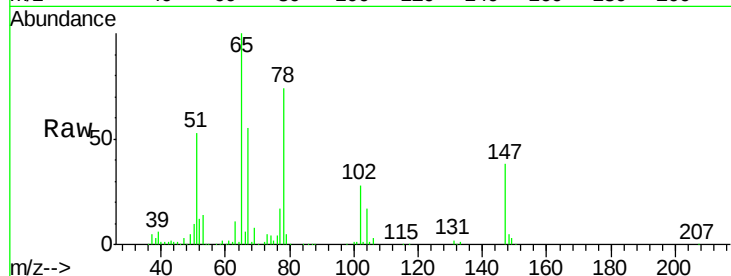
#33
 1,2-Dichloroethane-d4
 Concen: 45.379 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.1	0.0	114.0

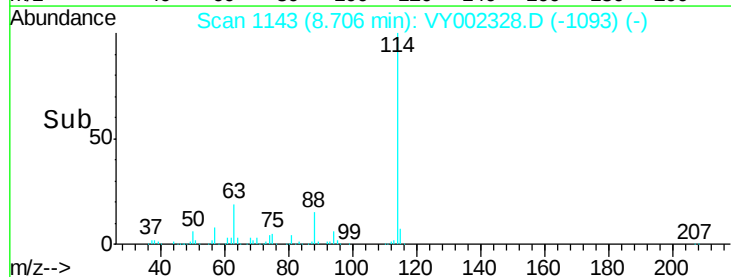
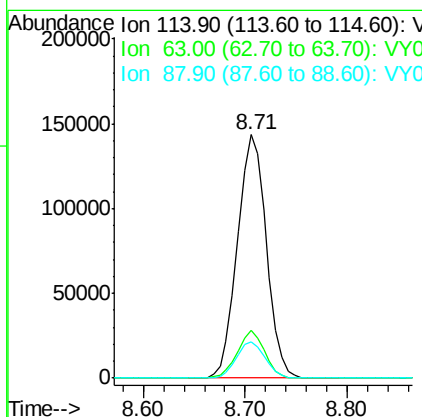
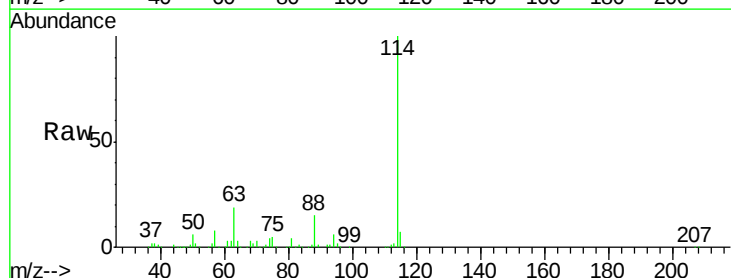
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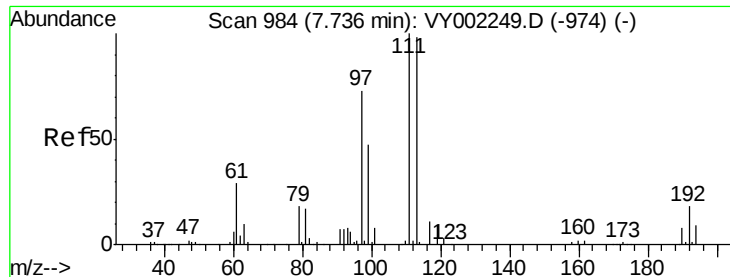
MMDadoda
 4/16/2020 10:31:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	14.7	0.0	31.0





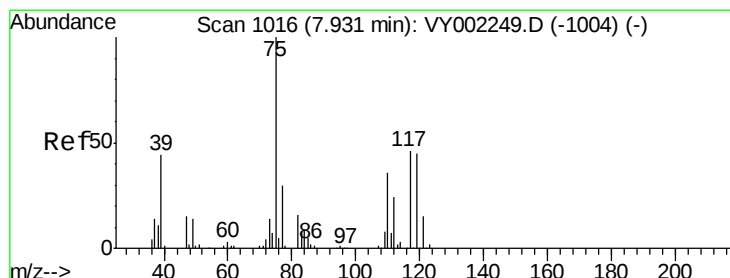
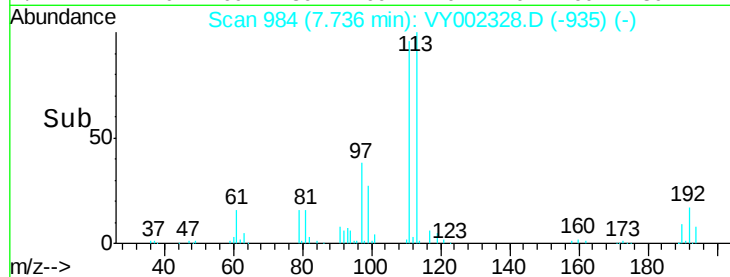
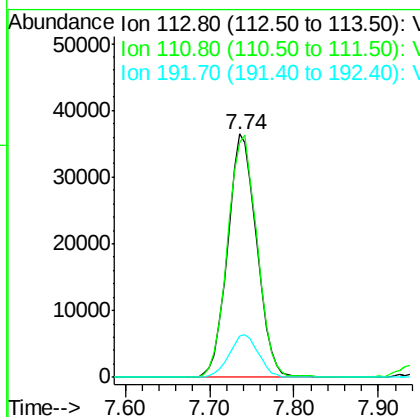
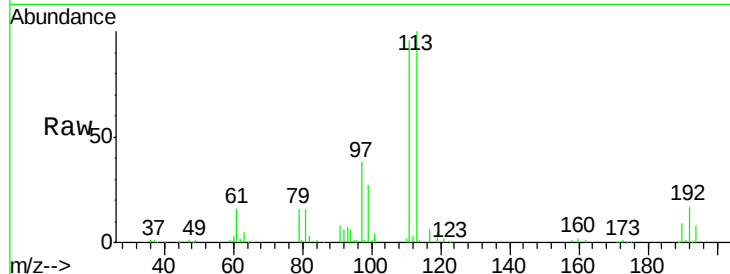
#35
 Dibromofluoromethane
 Concen: 50.748 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85060		
111	101.5	83.5	125.3	
192	17.5	14.7	22.1	

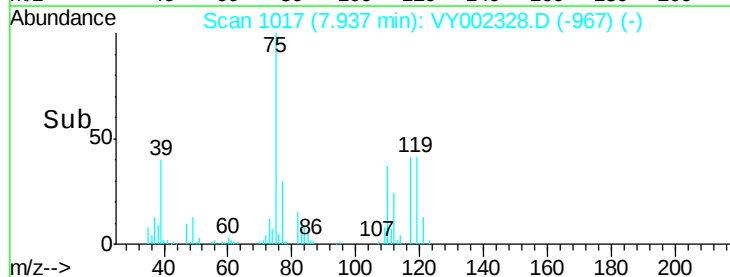
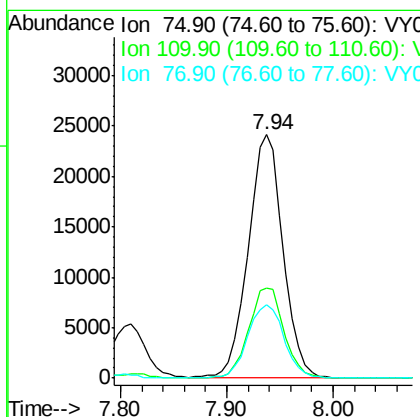
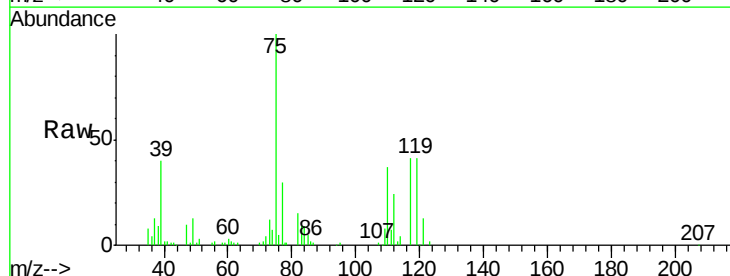
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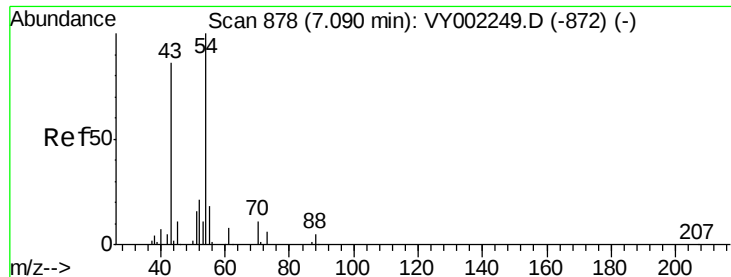
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.974 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55419		
110	37.4	17.8	53.3	
77	31.6	24.4	36.6	





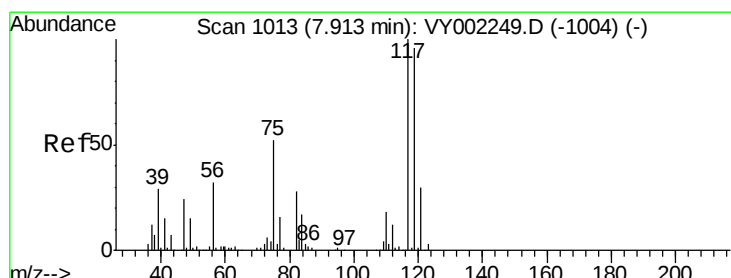
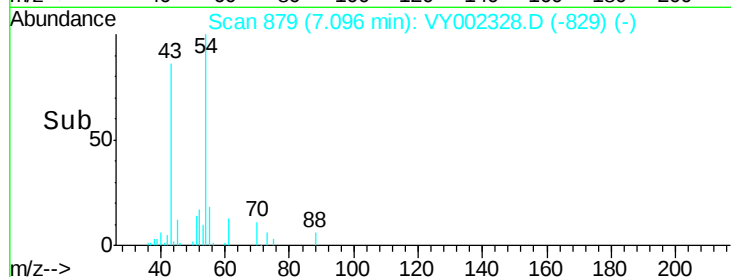
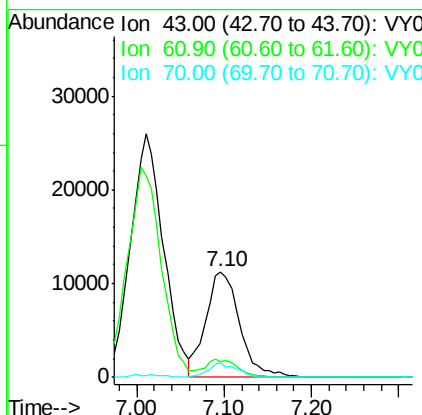
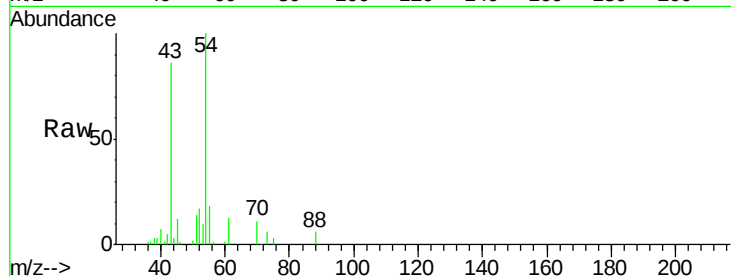
#37
Ethyl Acetate
Concen: 19.128 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.6
70	11.6	9.1	13.7

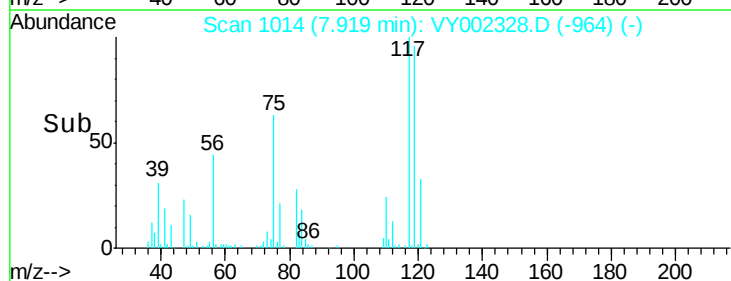
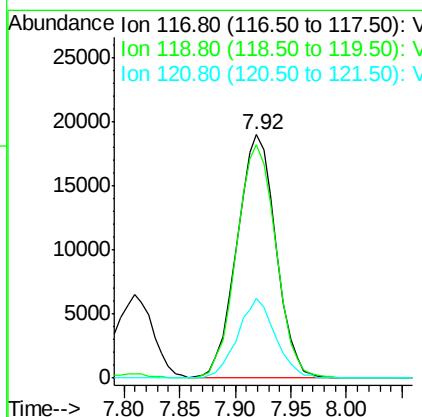
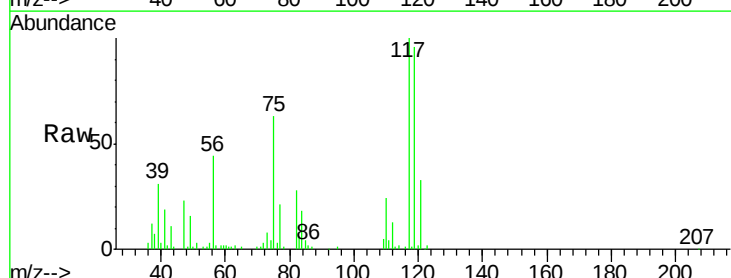
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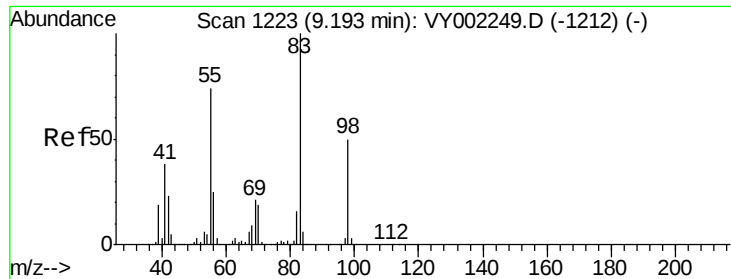
MMDadoda
4/16/2020 10:31:50 AM



#38
Carbon Tetrachloride
Concen: 19.524 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.1	115.7
121	32.9	23.9	35.9





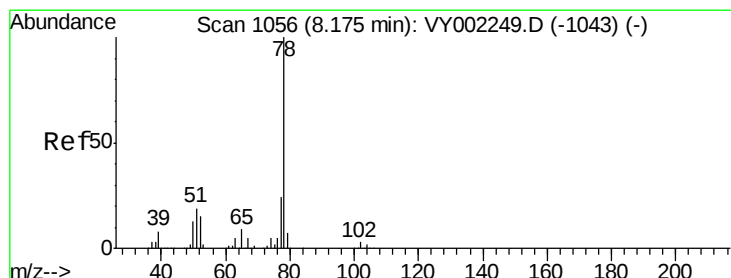
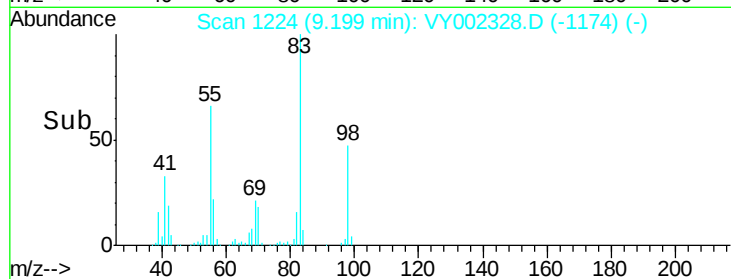
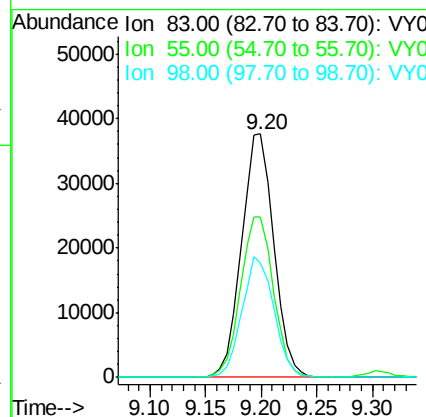
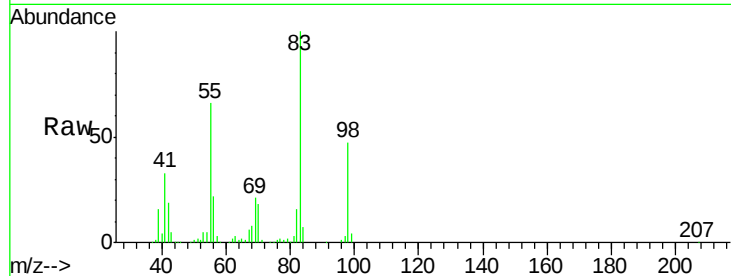
#39
Methvlcvclohexane
Concen: 20.078 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.9	59.3	88.9
98	47.2	39.6	59.4

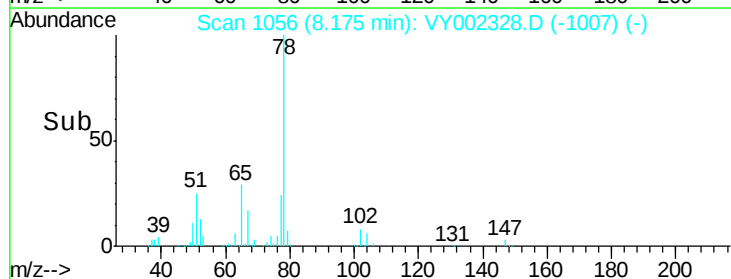
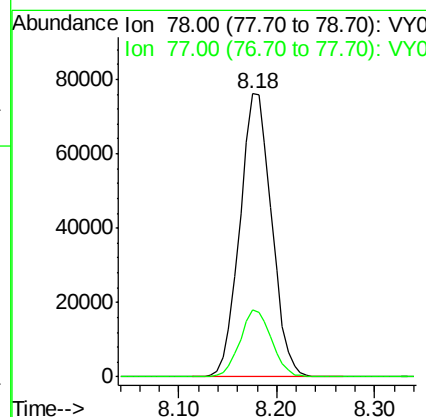
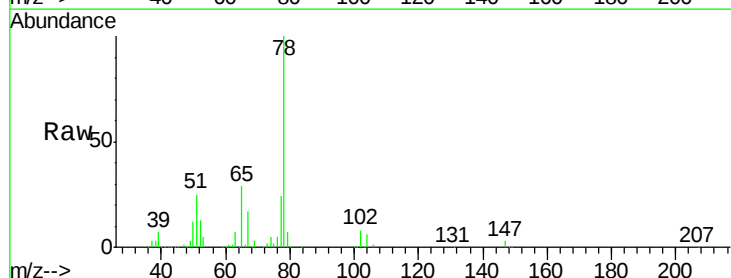
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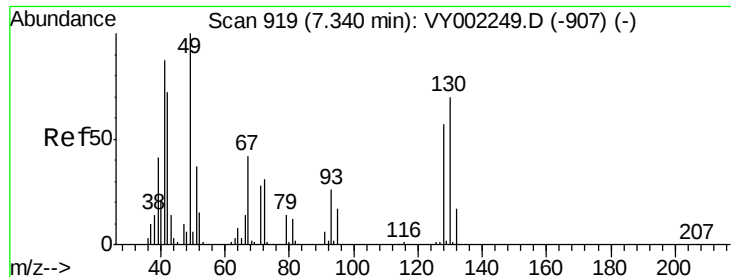
MMDadoda
4/16/2020 10:31:50 AM



#40
Benzene
Concen: 20.376 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





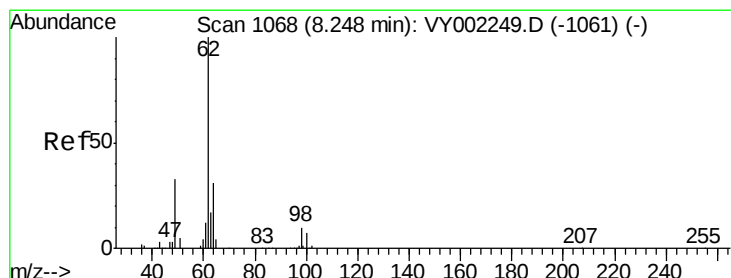
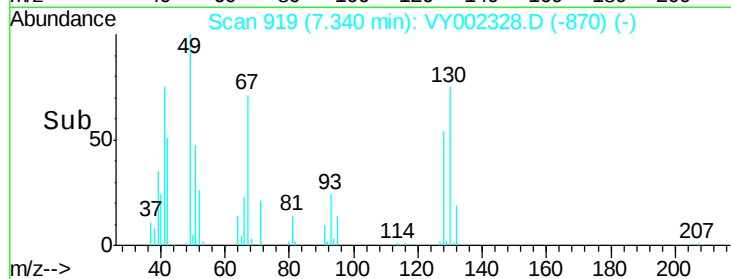
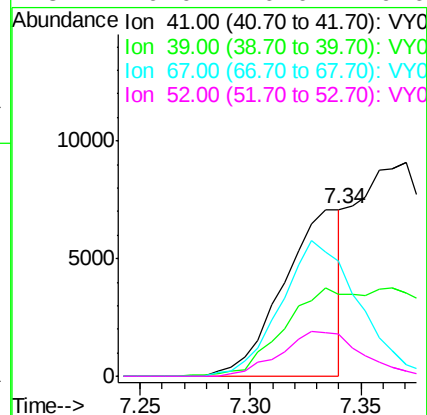
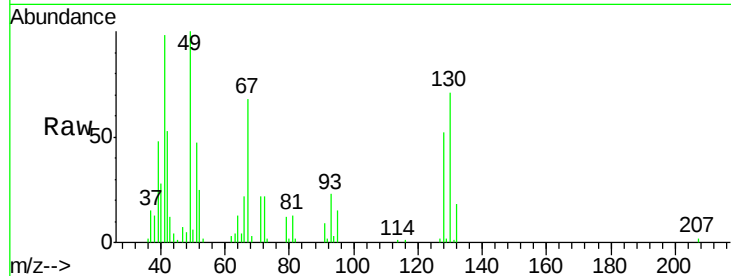
#41
Methacrylonitrile
Concen: 14.064 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	41	Resp:	13150
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

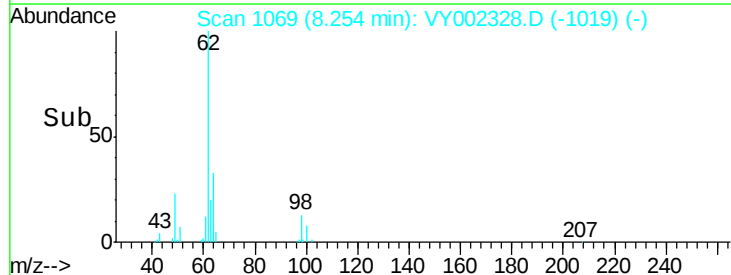
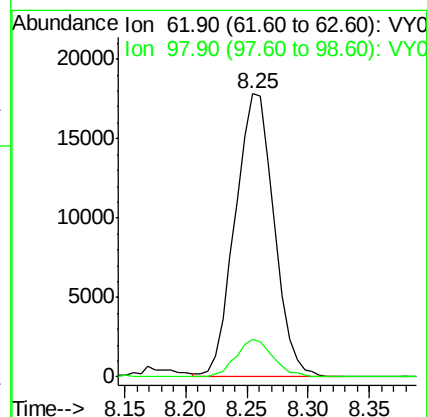
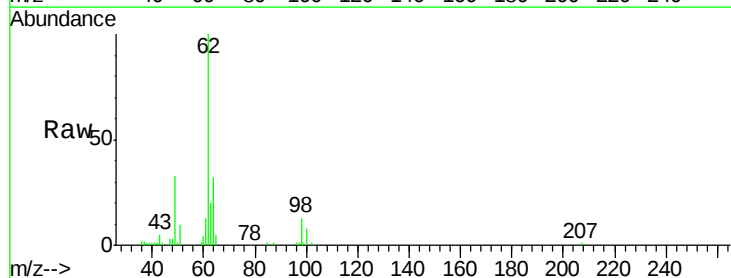
Manual Integrations
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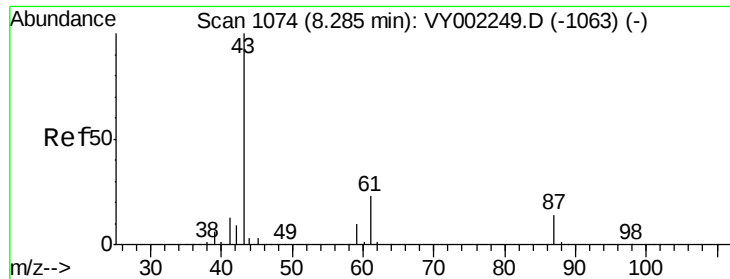
MMDadoda
4/16/2020 10:31:50 AM



#42
1,2-Dichloroethane
Concen: 18.919 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	62	Resp:	39451
Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	22.6





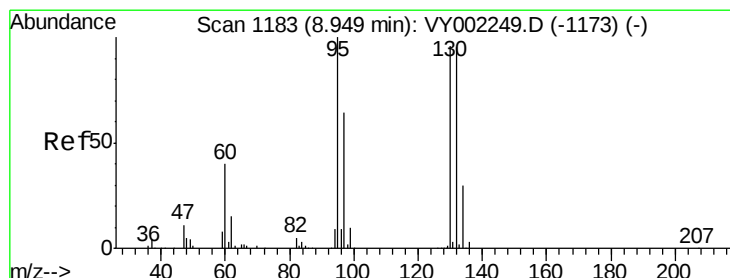
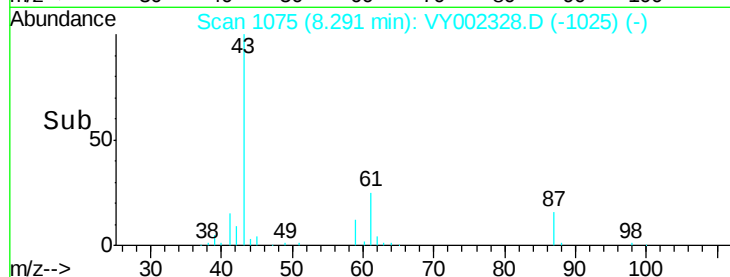
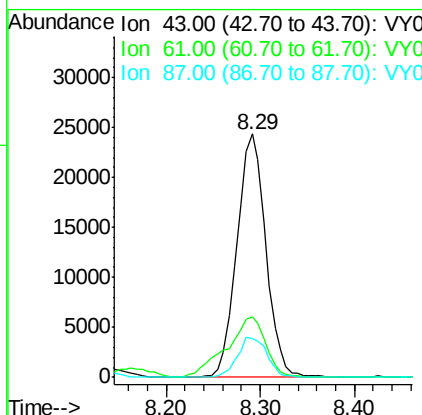
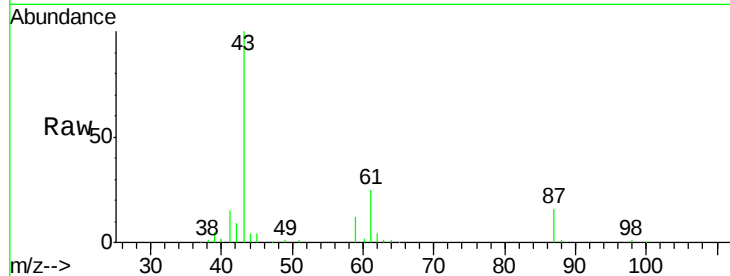
#43
Isopropyl Acetate
Concen: 17.983 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	24.9	37.3
87	16.7	11.7	17.5

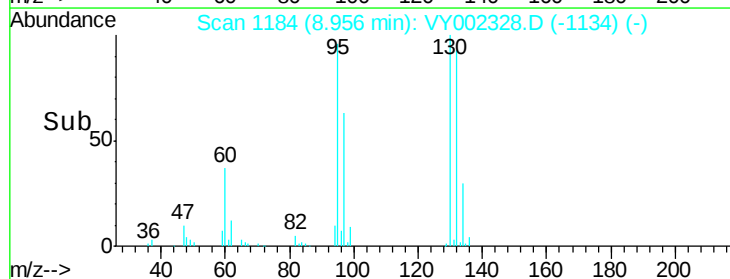
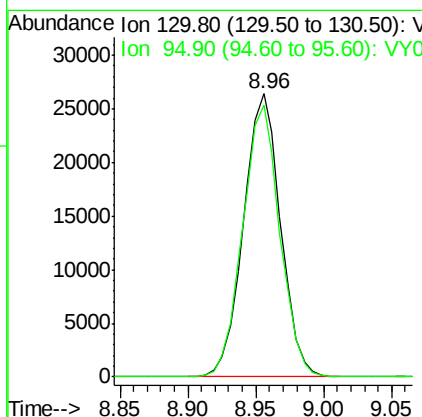
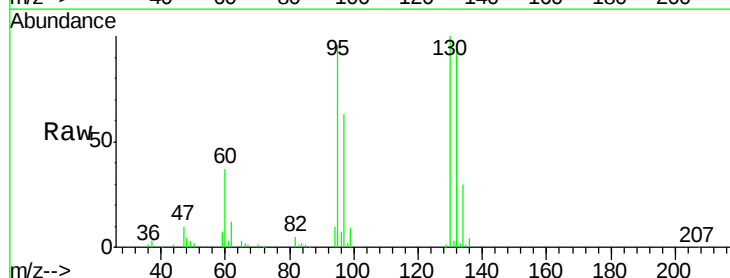
Manual Integrations
APPROVED

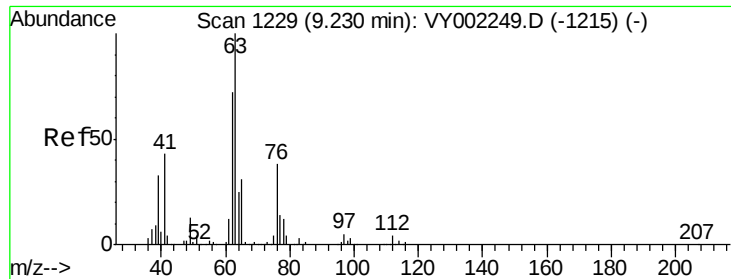
MMDadoda
4/16/2020 10:31:50 AM



#44
Trichloroethene
Concen: 20.304 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	208.2





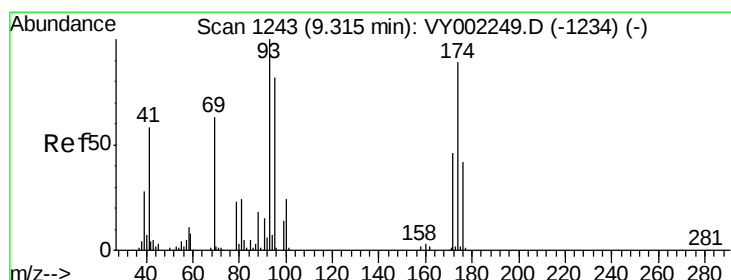
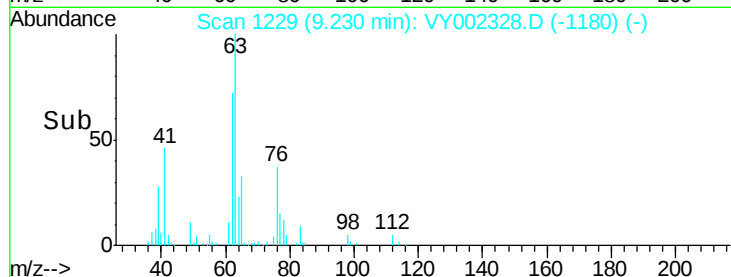
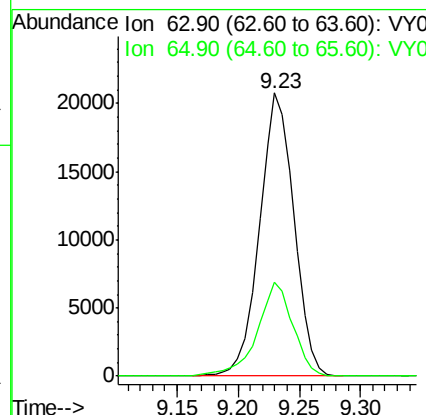
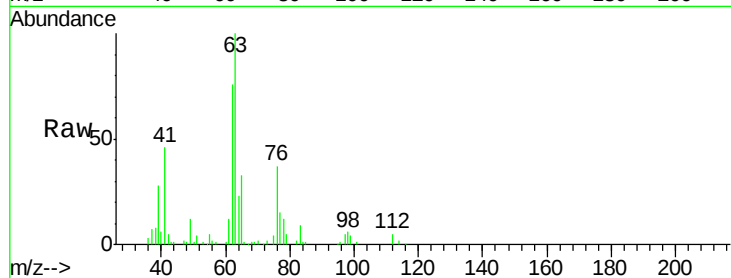
#45
 1,2-Dichloropropane
 Concen: 19.452 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.6	37.0

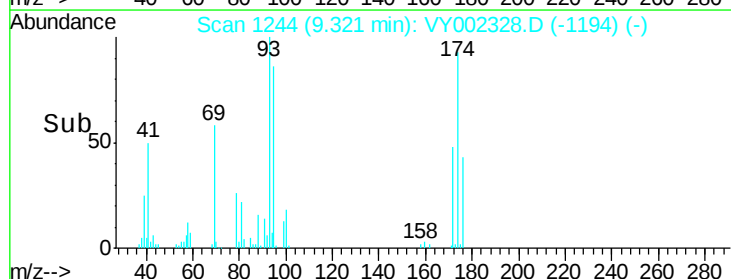
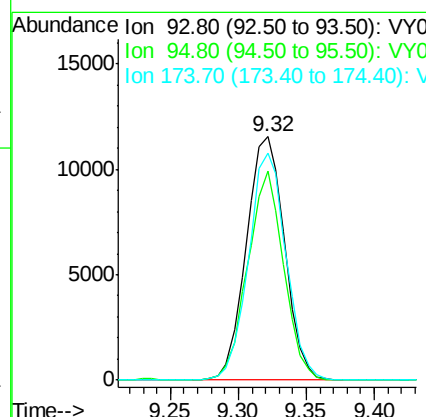
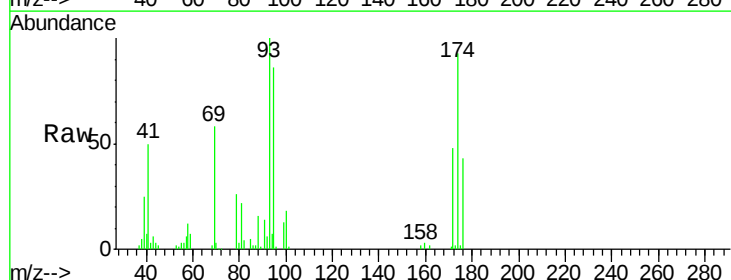
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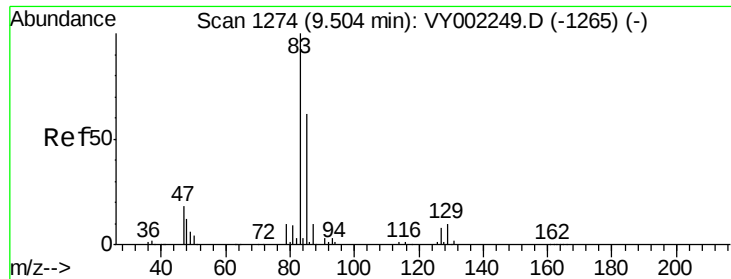
MMDadoda
 4/16/2020 10:31:50 AM



#46
 Dibromomethane
 Concen: 20.833 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	67.3	100.9
174	91.7	72.5	108.7





#47

Bromodichloromethane

Concen: 19.808 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

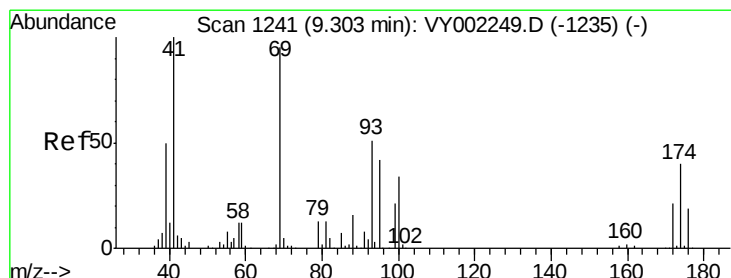
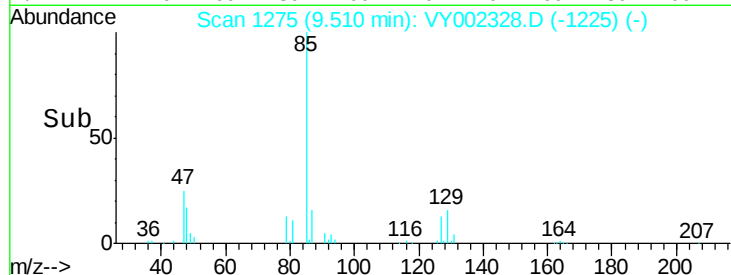
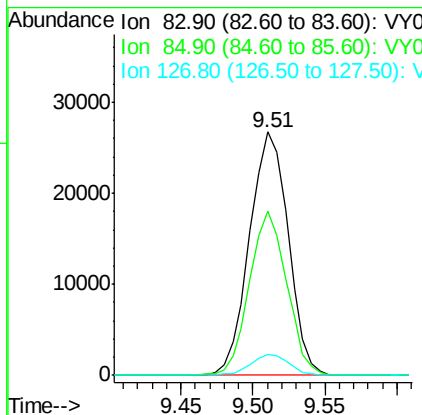
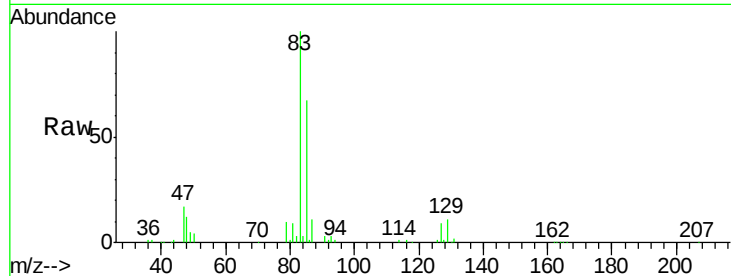
ClientSampleId :

VY0415SBS01

Tot Ion:	83	Resp:	49635
Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.7	74.5
127	8.6	6.2	9.4

Manual Integrations
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MMDadoda
4/16/2020 10:31:50 AM



#48

Methyl methacrylate

Concen: 17.823 ug/l

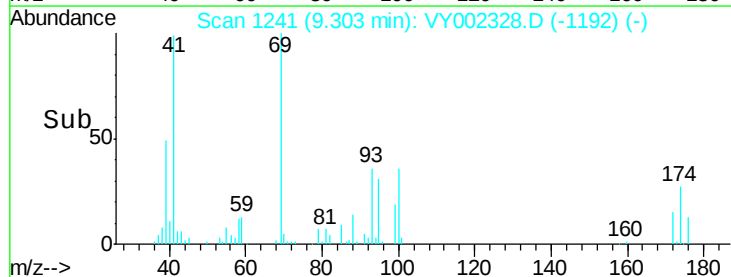
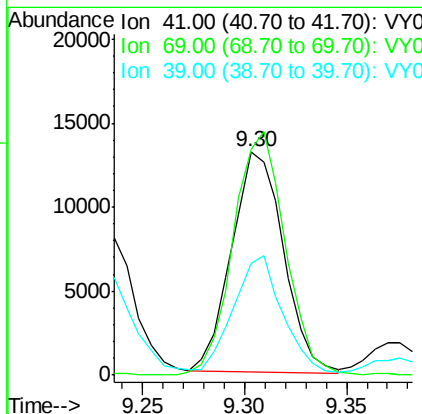
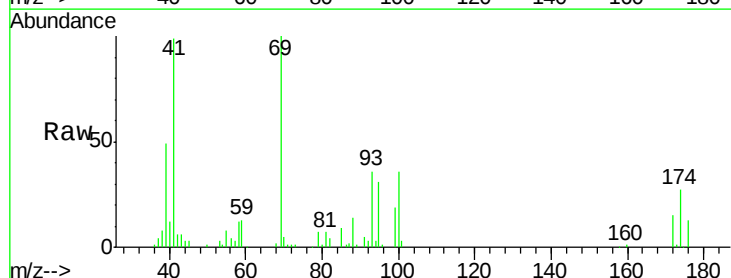
RT: 9.30 min Scan# 1241

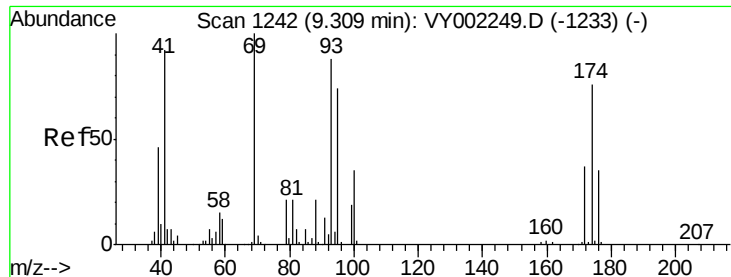
Delta R.T. 0.00 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	41	Resp:	23102
Ion	Ratio	Lower	Upper
41	100		
69	110.9	76.7	115.1
39	50.0	40.5	60.7





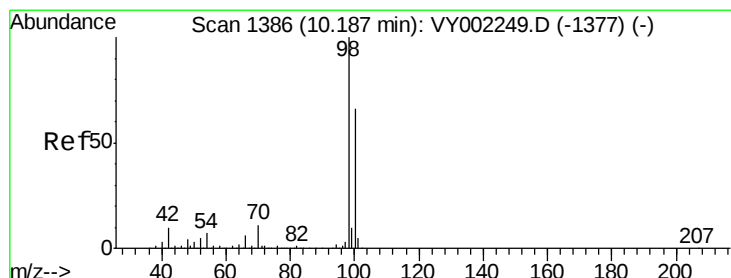
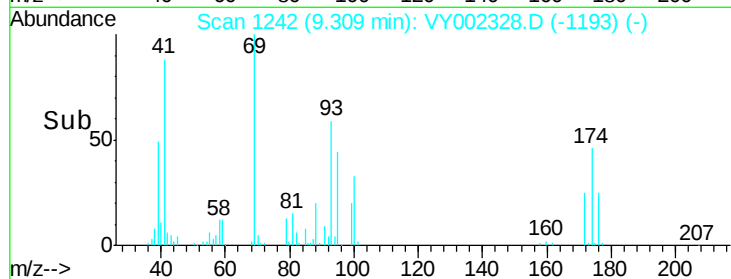
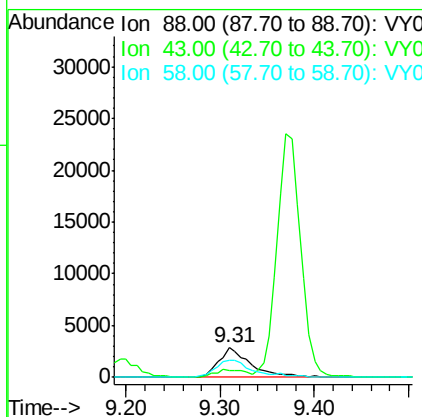
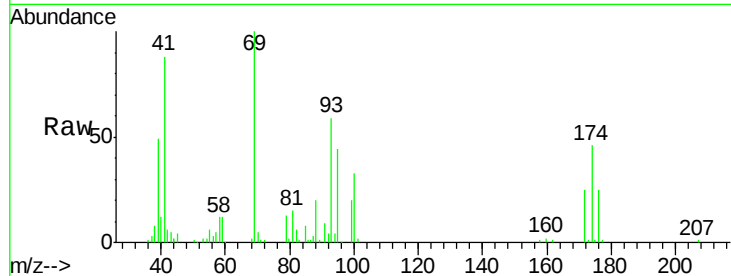
#49
1,4-Dioxane
Concen: 436.306 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	88	Resp	6740
Ion Ratio	Lower	Upper	
88	100		
43	25.2	22.2	33.2
58	69.0	57.6	86.4

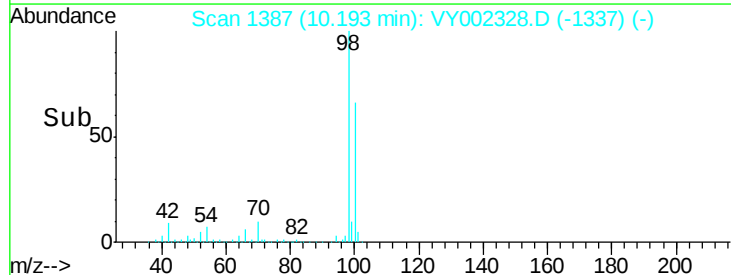
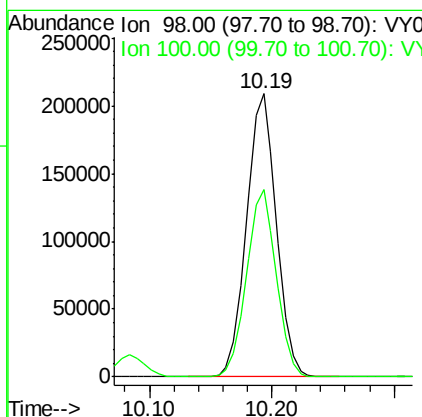
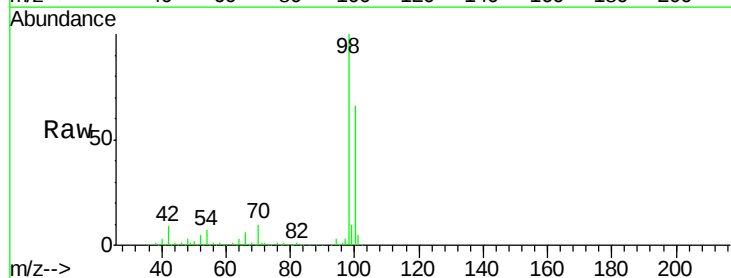
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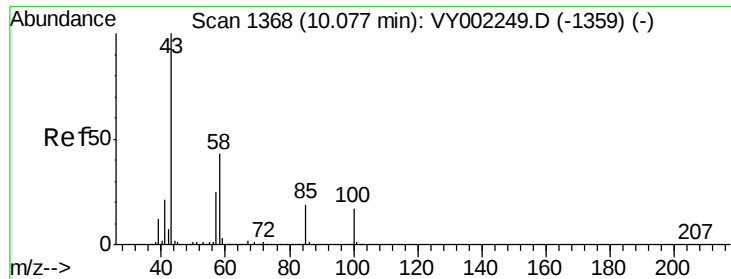
MMDadoda
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#50
Toluene-d8
Concen: 50.426 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	98	Resp	353767
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 95.840 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 43 Resp: 144367

Ion Ratio Lower Upper

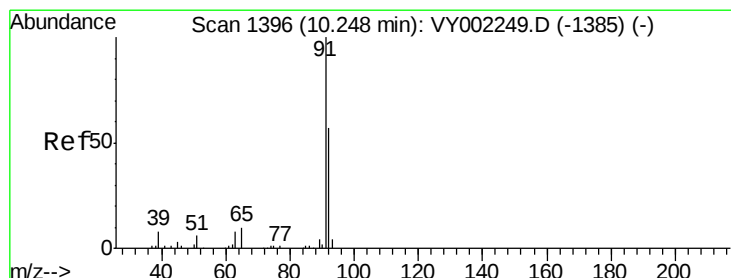
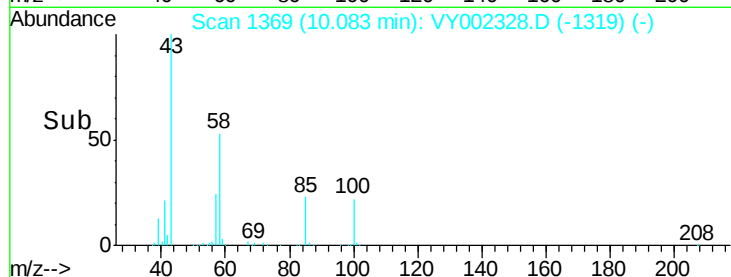
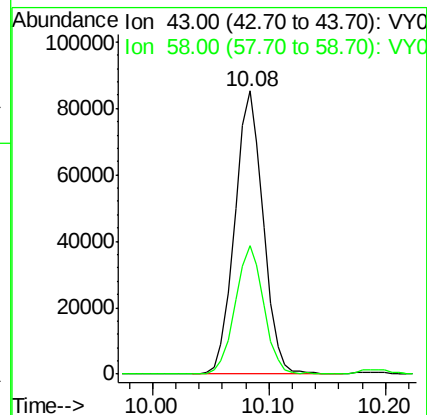
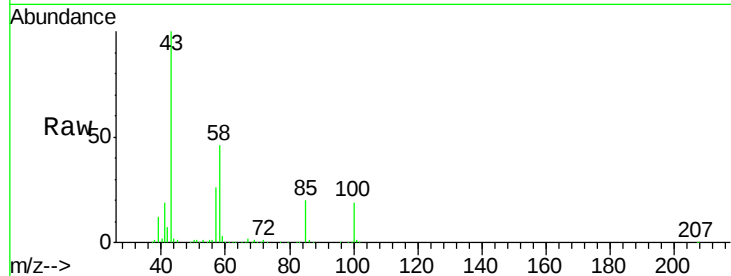
43 100

58 45.7 33.8 50.8

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#52

Toluene

Concen: 20.670 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002328.D

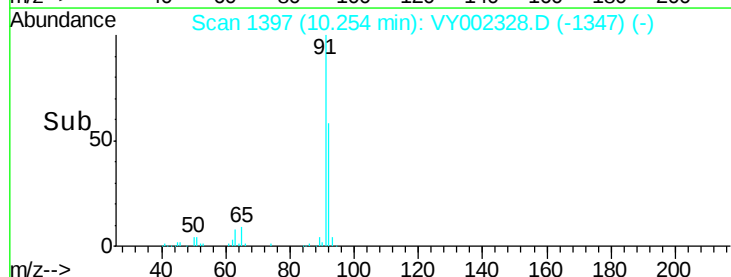
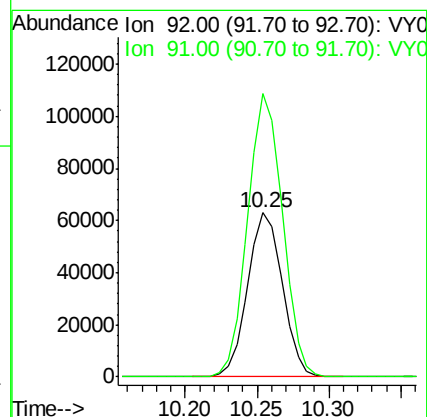
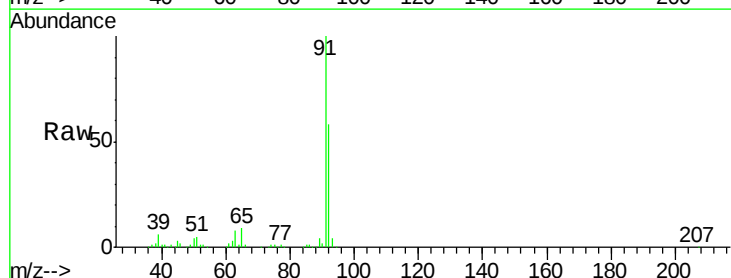
Acq: 15 Apr 2020 11:59

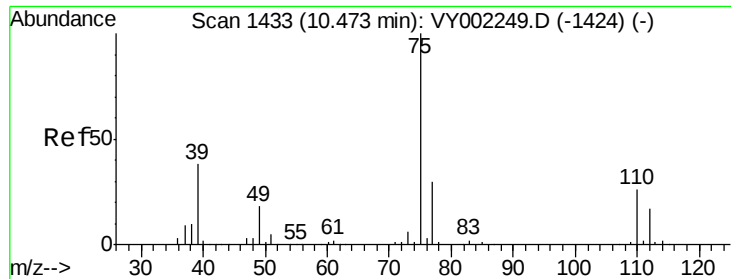
Tgt Ion: 92 Resp: 104864

Ion Ratio Lower Upper

92 100

91 174.1 139.0 208.6





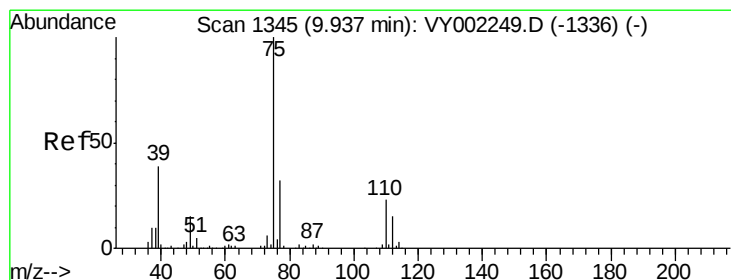
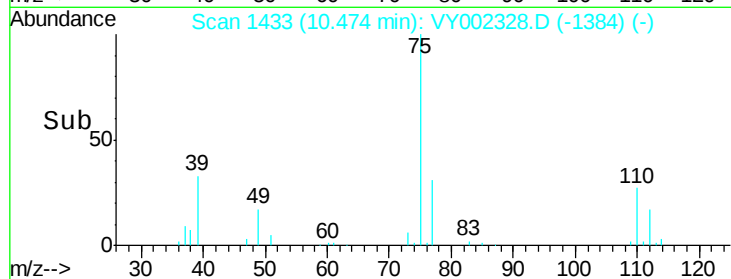
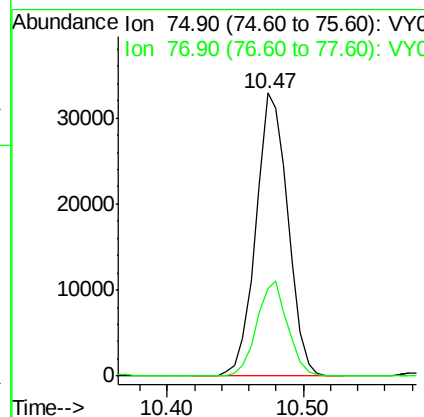
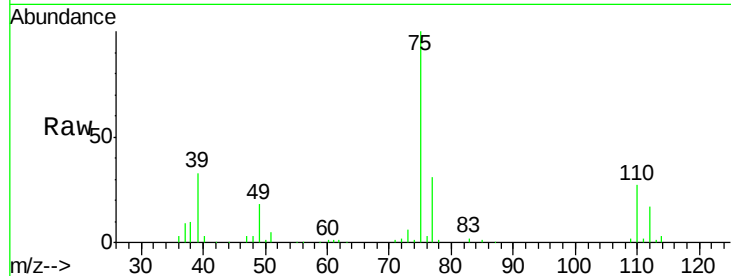
#53
 t-1,3-Dichloropropene
 Concen: 19.847 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.2	36.2

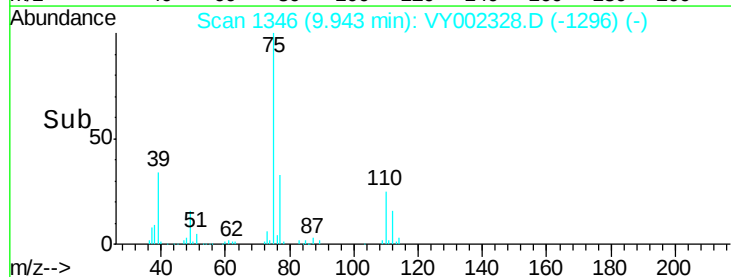
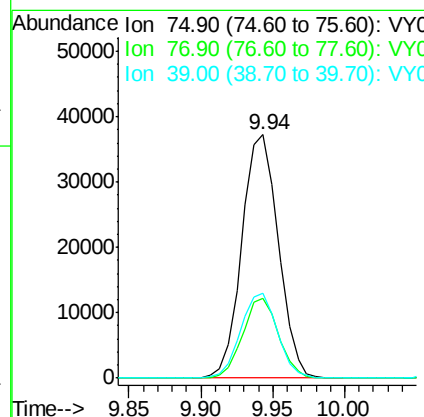
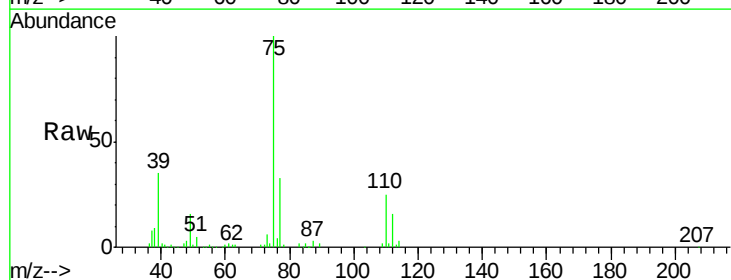
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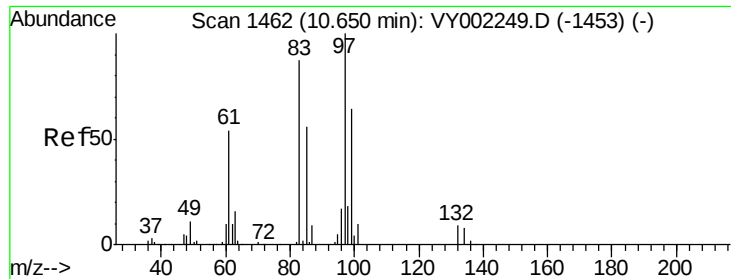
MMDadoda
 4/16/2020 10:31:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.948 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.8
39	34.8	30.8	46.2





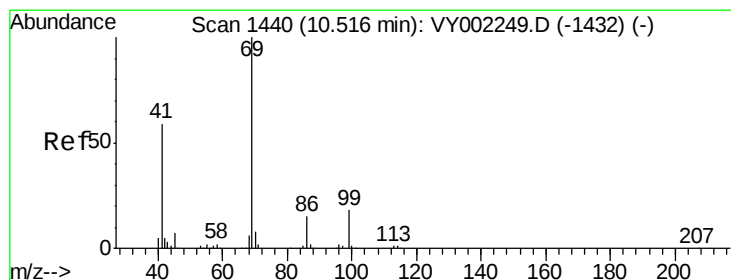
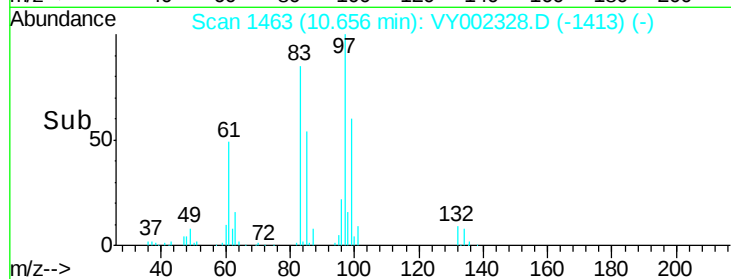
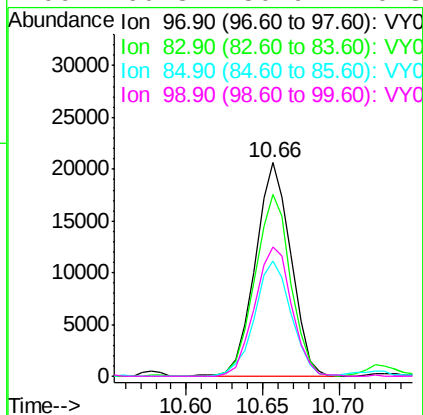
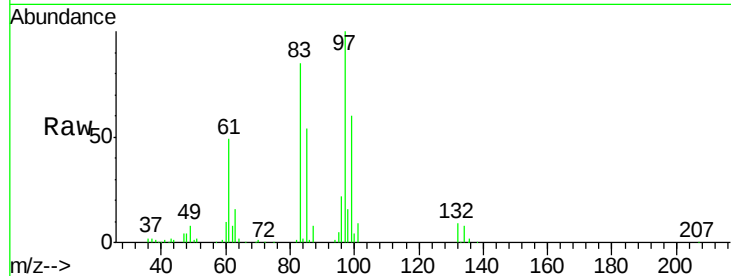
#55
 1,1,2-Trichloroethane
 Concen: 20.991 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion:	97	Resp:	33561
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.5	104.3
85	54.2	45.2	67.8
99	60.3	50.9	76.3

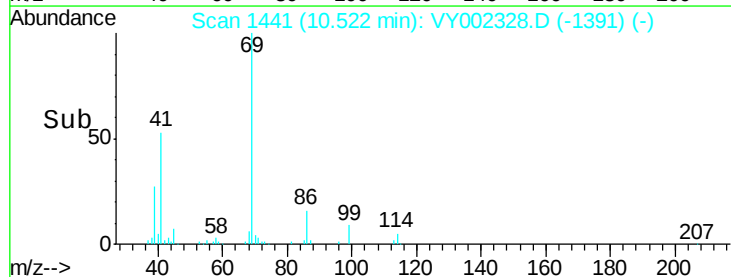
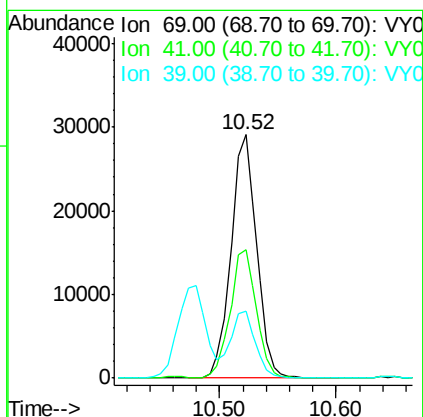
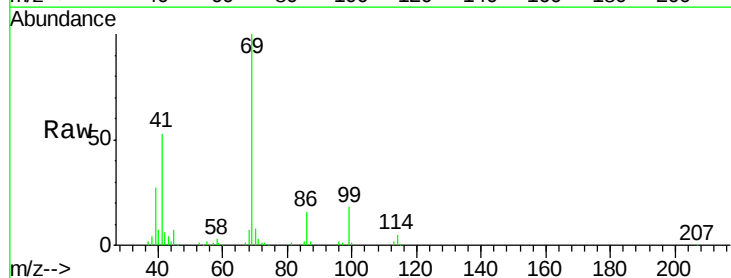
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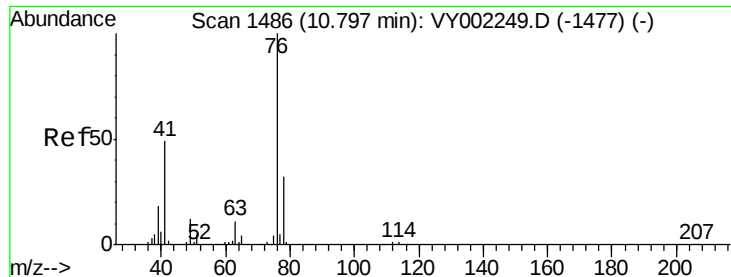
MMDadoda
 4/16/2020 10:31:50 AM



#56
 Ethyl methacrylate
 Concen: 19.501 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion:	69	Resp:	44499
Ion	Ratio	Lower	Upper
69	100		
41	54.4	47.9	71.9
39	27.0	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.472 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion: 76 Resp: 57531

Ion Ratio Lower Upper

76 100

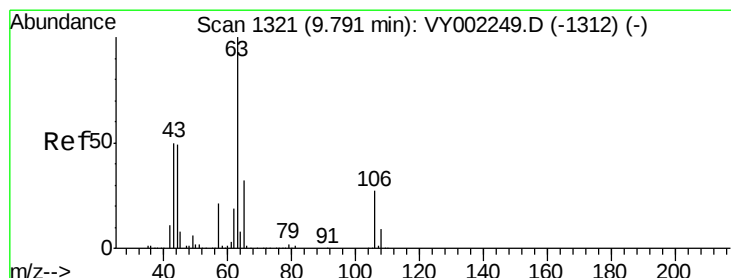
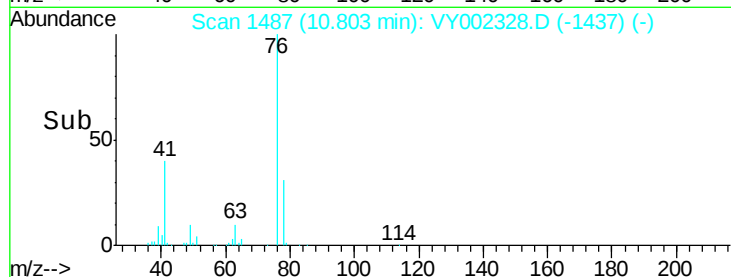
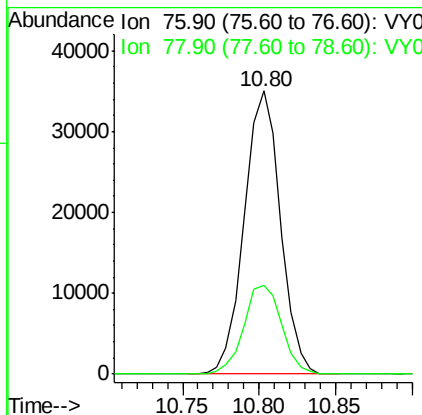
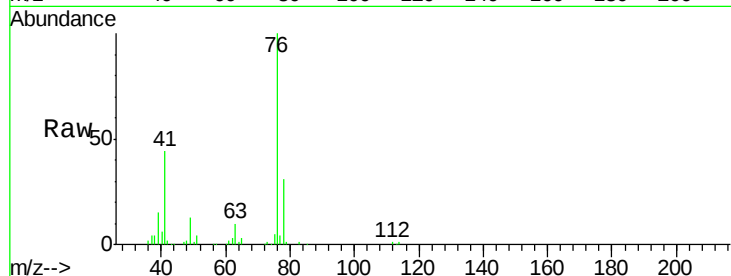
78 32.7 25.8 38.6

Manual Integrations

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MMDadoda

4/16/2020 10:31:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.968 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY002328.D

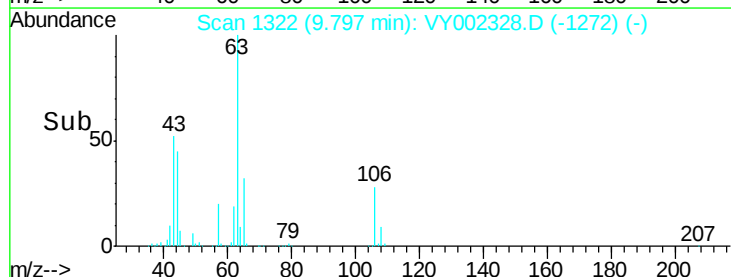
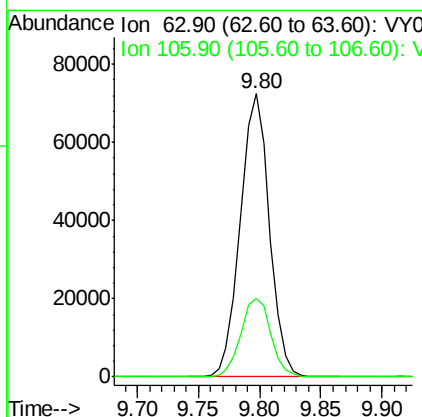
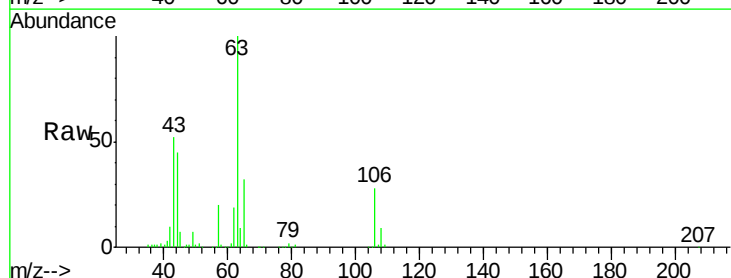
Acq: 15 Apr 2020 11:59

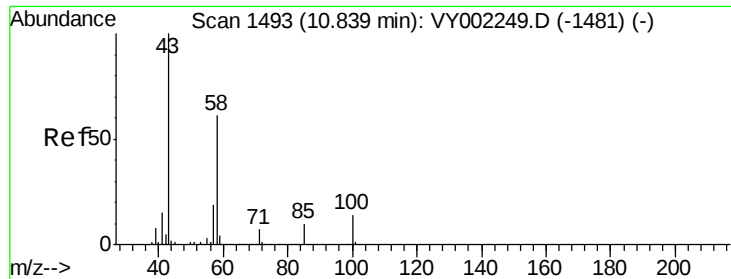
Tgt Ion: 63 Resp: 119313

Ion Ratio Lower Upper

63 100

106 28.7 22.2 33.2





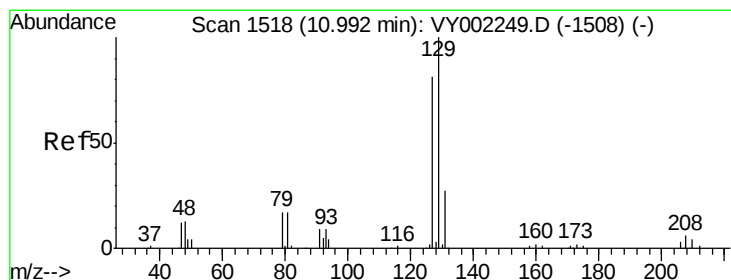
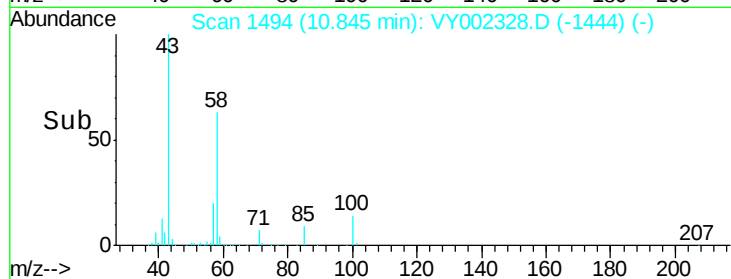
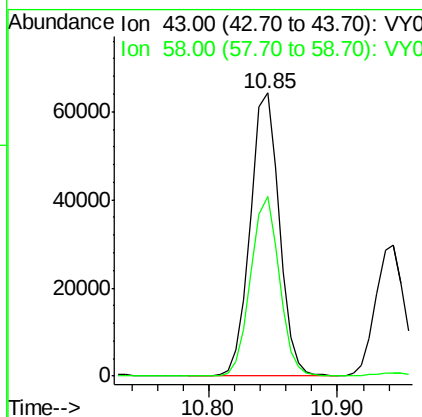
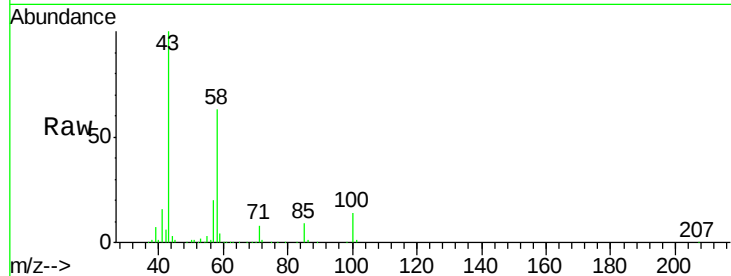
#59
2-Hexanone
Concen: 95.566 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion: 43 Resp: 99908
Ion Ratio Lower Upper
43 100
58 62.3 29.8 89.3

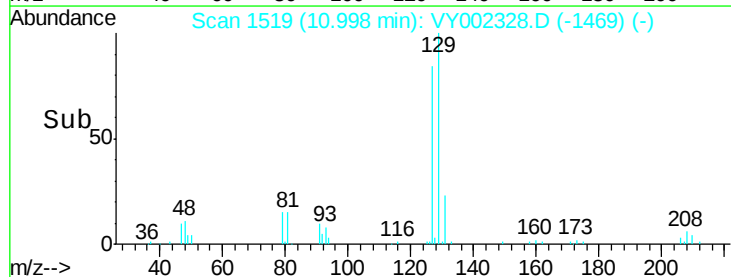
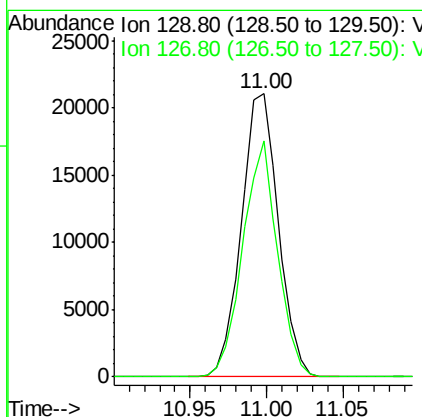
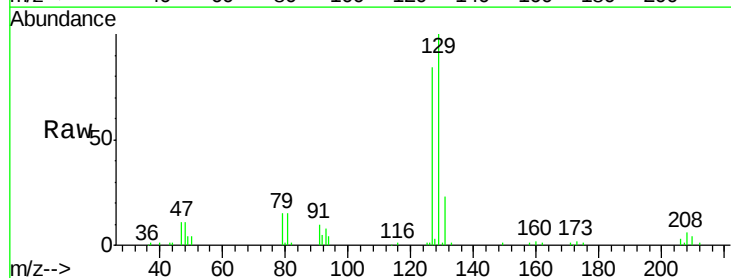
Manual Integrations
APPROVED

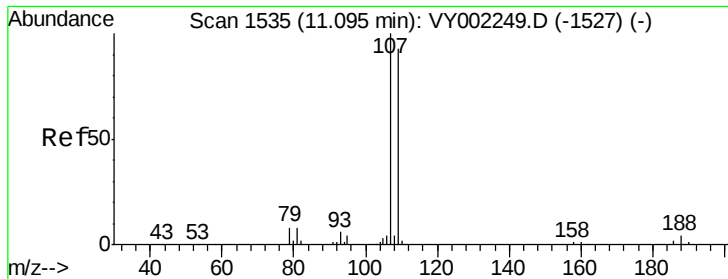
MMDadoda
4/16/2020 10:31:50 AM



#60
Dibromochloromethane
Concen: 20.795 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion: 129 Resp: 35453
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





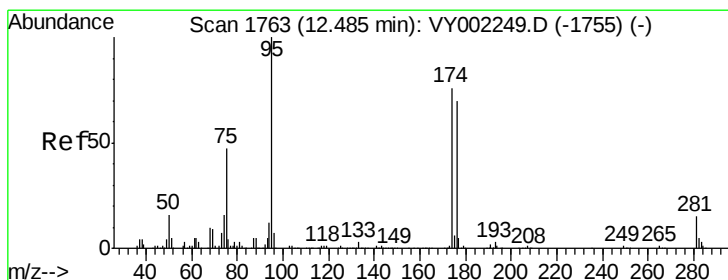
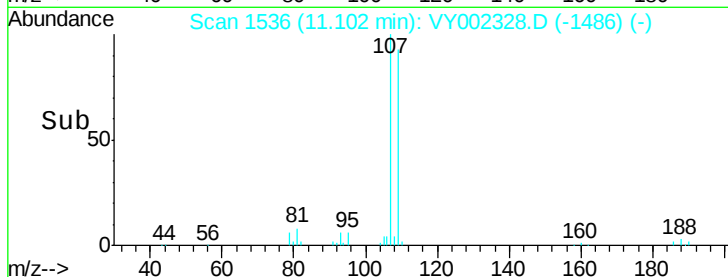
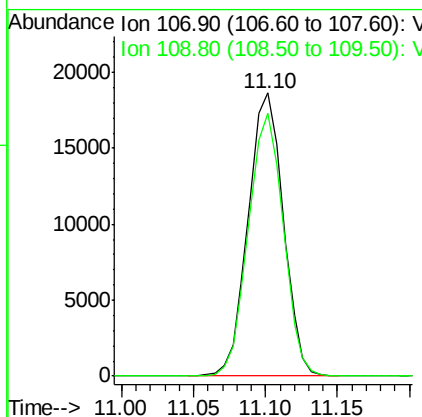
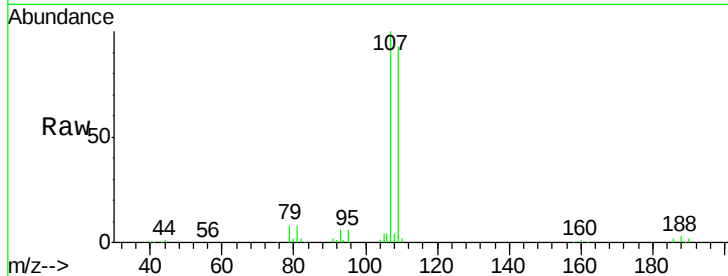
#61
 1,2-Dibromoethane
 Concen: 20.673 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion: 107 Resp: 31467
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.6 113.4

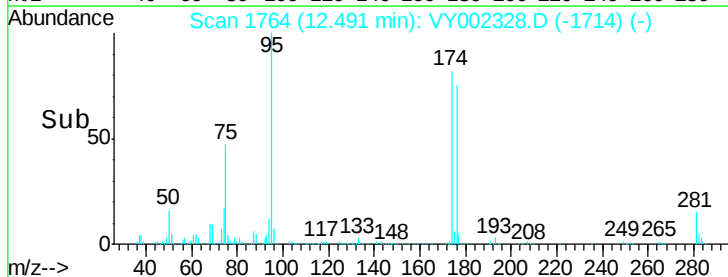
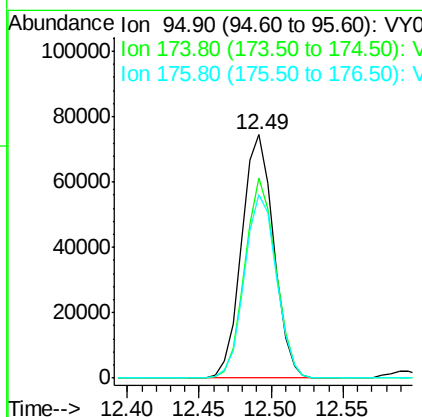
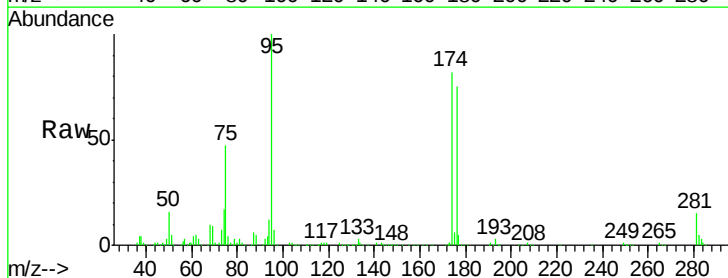
Manual Integrations
 APPROVED

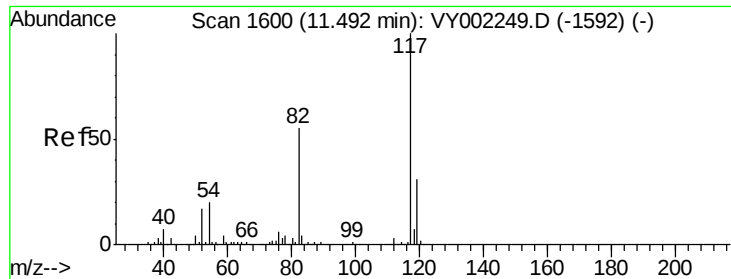
MMDadoda
 4/16/2020 10:31:50 AM



#62
 4-Bromofluorobenzene
 Concen: 49.403 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion: 95 Resp: 114344
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 150.6
 176 75.2 0.0 141.4





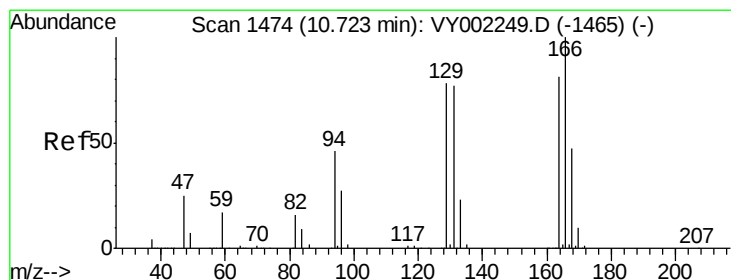
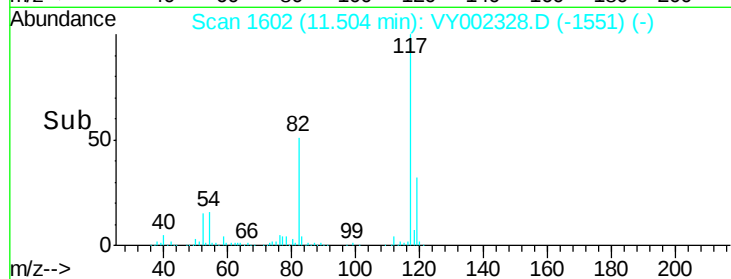
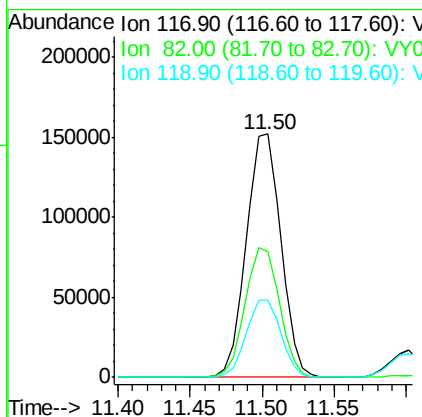
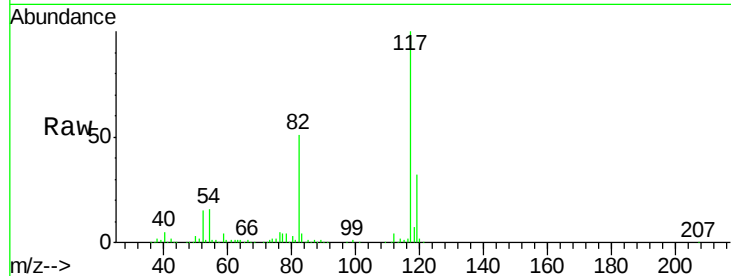
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252411		
82	51.5	44.2	66.4	
119	31.8	25.1	37.7	

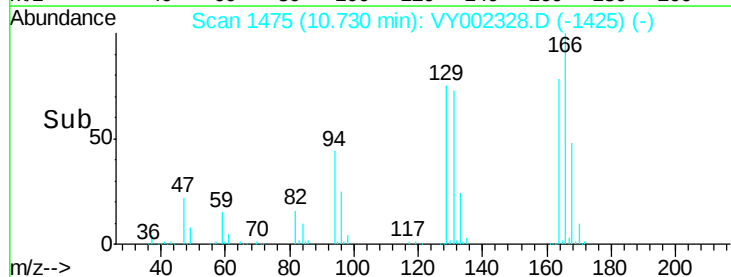
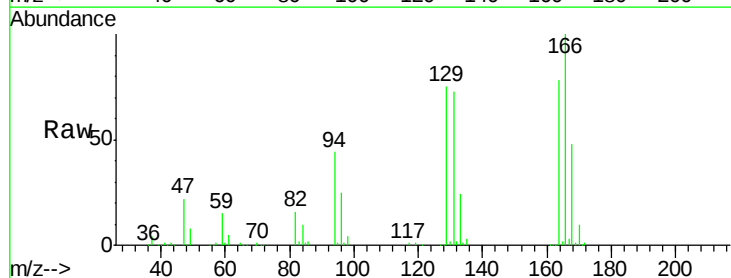
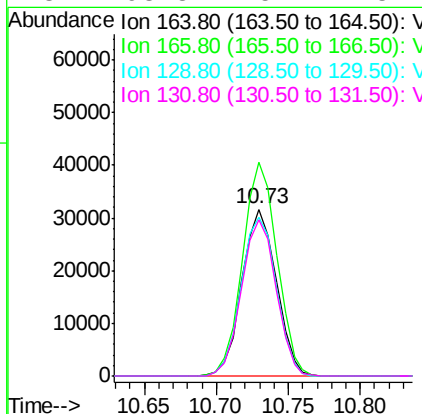
Manual Integrations
APPROVED

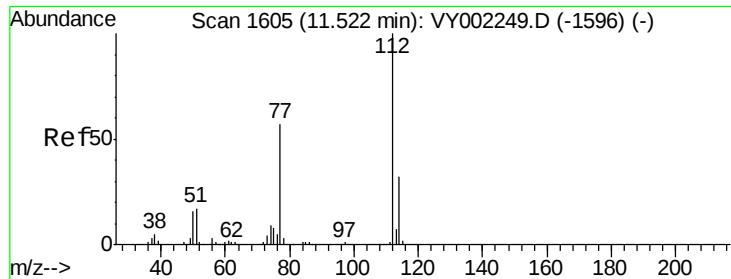
MMDadoda
4/16/2020 10:31:50 AM



#64
Tetrachloroethene
Concen: 20.584 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52530		
166	127.9	98.4	147.6	
129	95.4	76.6	115.0	
131	93.8	75.4	113.2	





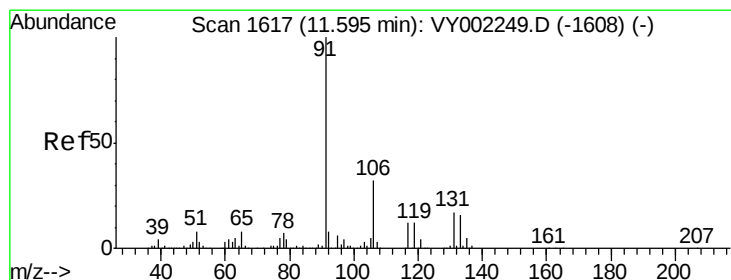
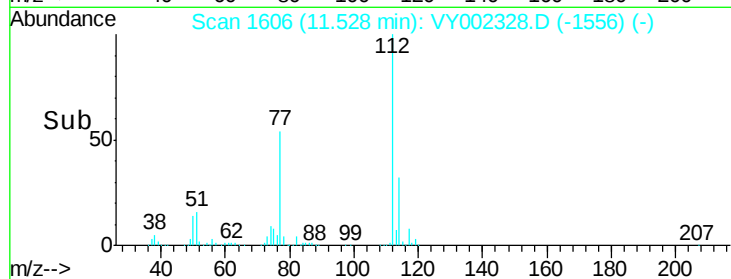
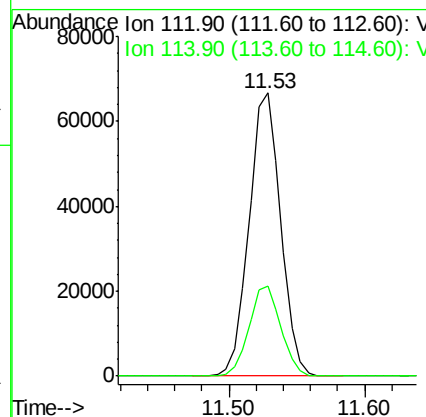
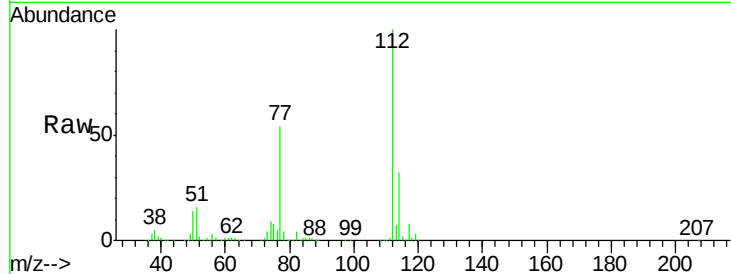
#65
Chlorobenzene
Concen: 20.681 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

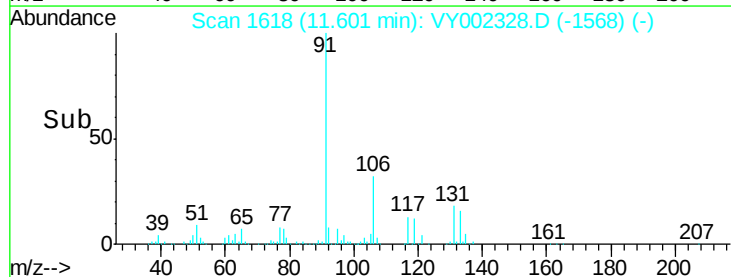
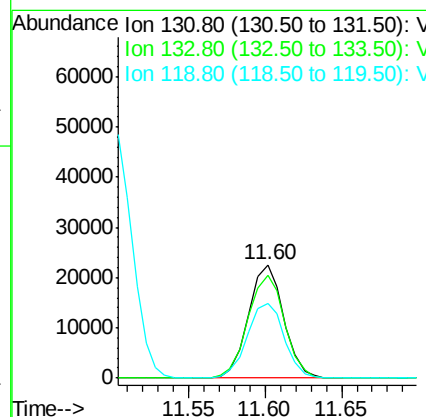
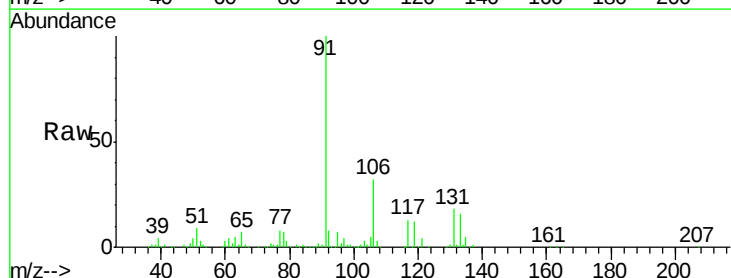
Manual Integrations
APPROVED

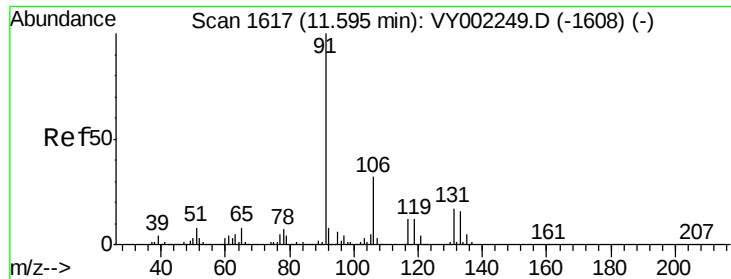
MMDadoda
4/16/2020 10:31:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.839 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	46.5	139.3
119	69.2	34.5	103.6





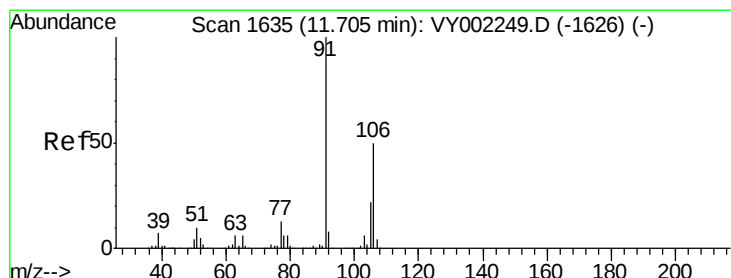
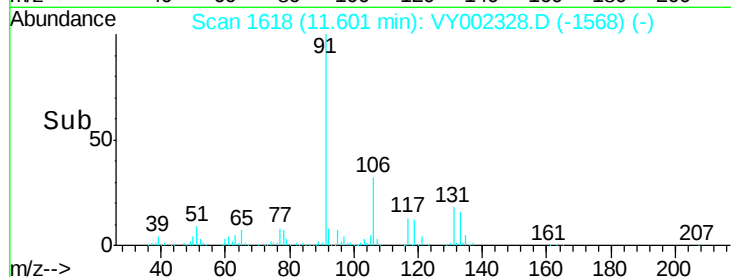
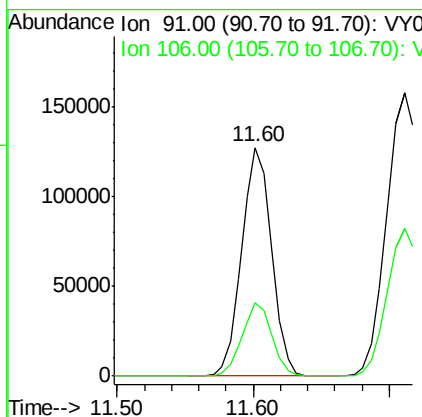
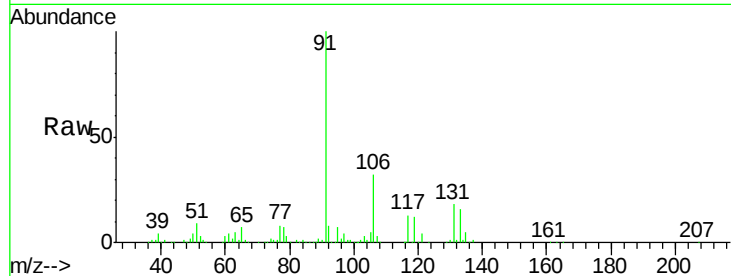
#67
Ethyl Benzene
Concen: 20.384 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	91	Resp	195794
Ion Ratio	100	Lower	Upper
106	32.2	25.4	38.0

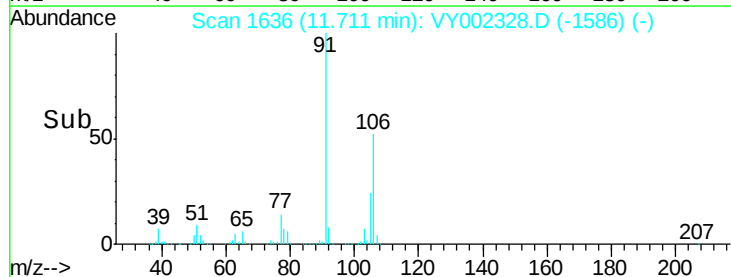
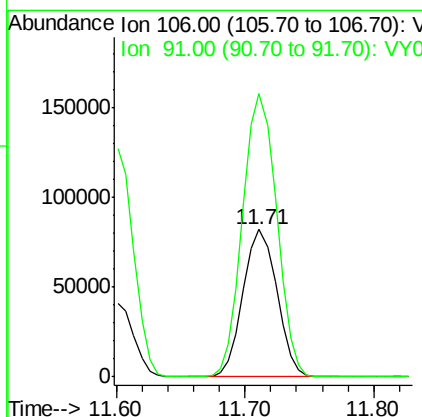
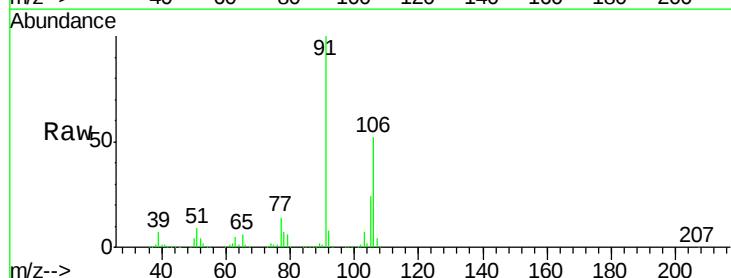
Manual Integrations
APPROVED

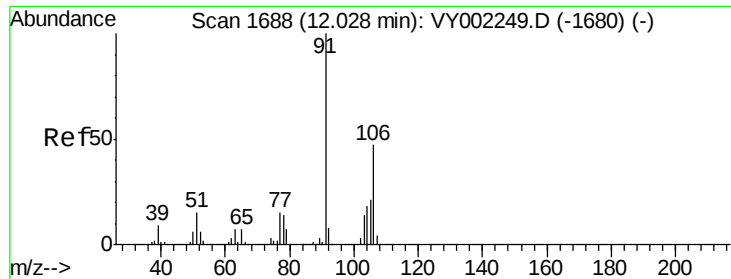
MMDadoda
4/16/2020 10:31:50 AM



#68
m/p-Xylenes
Concen: 41.616 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	106	Resp	149720
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	193.8	159.8	239.6





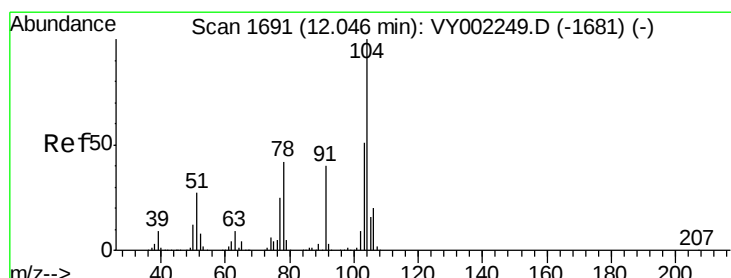
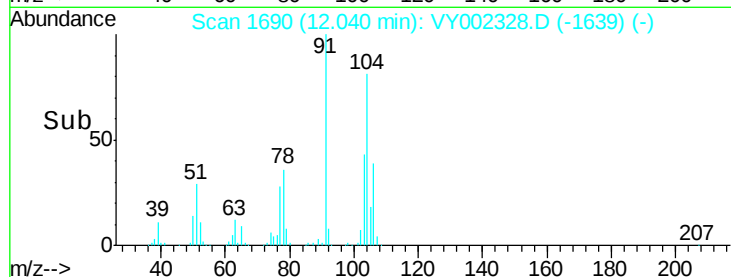
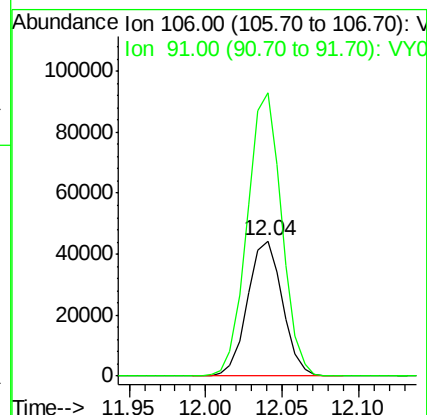
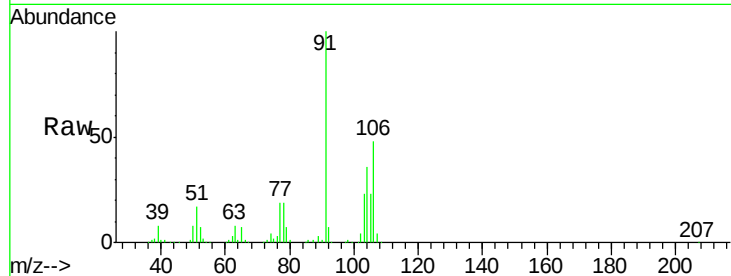
#69
o-Xylene
Concen: 20.833 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion:106 Resp: 70367
Ion Ratio Lower Upper
106 100
91 206.4 105.8 317.3

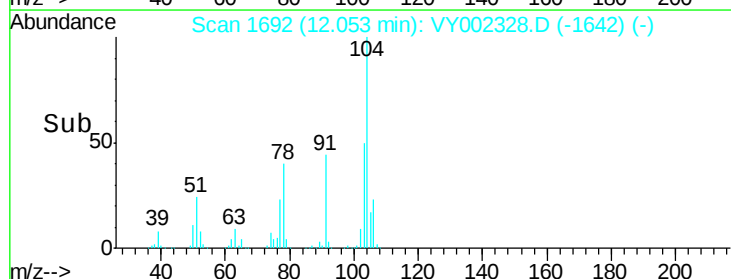
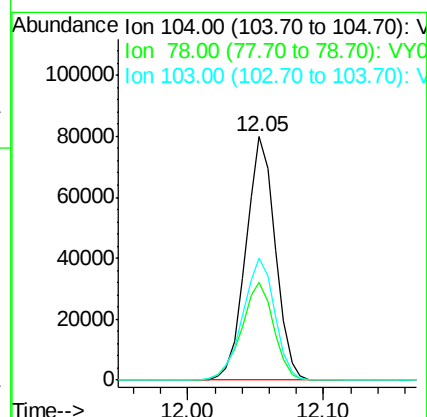
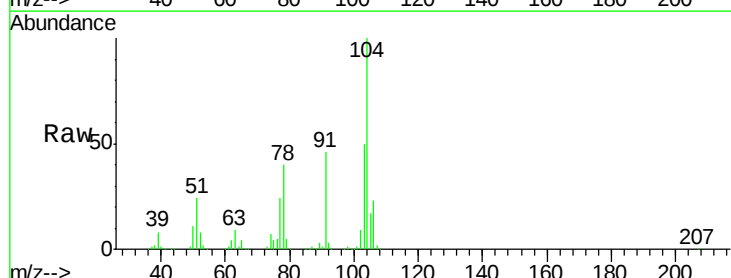
Manual Integrations
APPROVED

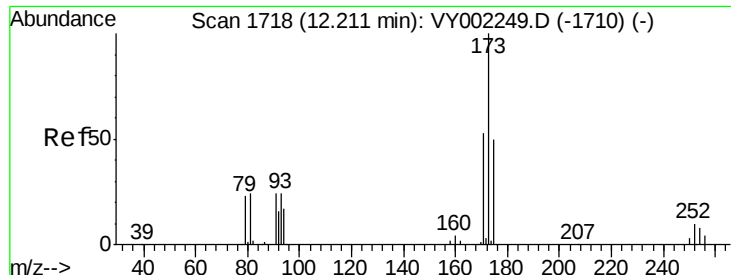
MMDadoda
4/16/2020 10:31:50 AM



#70
Styrene
Concen: 20.663 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion:104 Resp: 121084
Ion Ratio Lower Upper
104 100
78 43.9 37.2 55.8
103 54.1 43.4 65.0





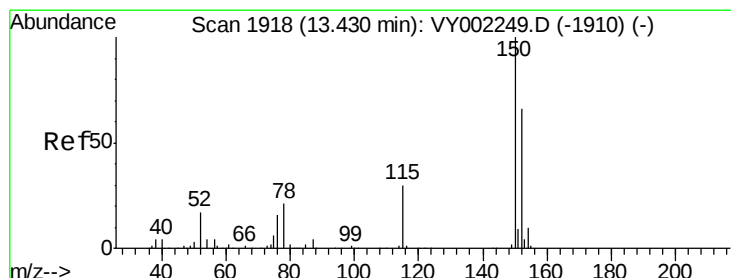
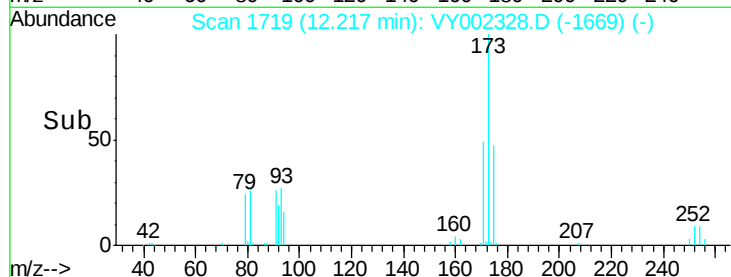
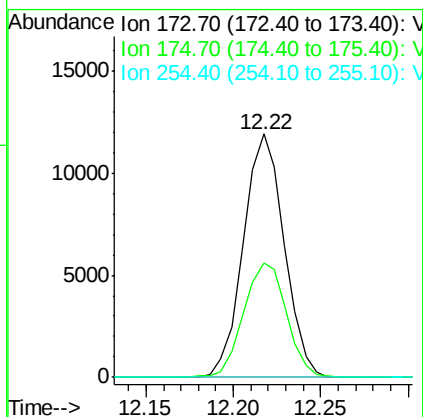
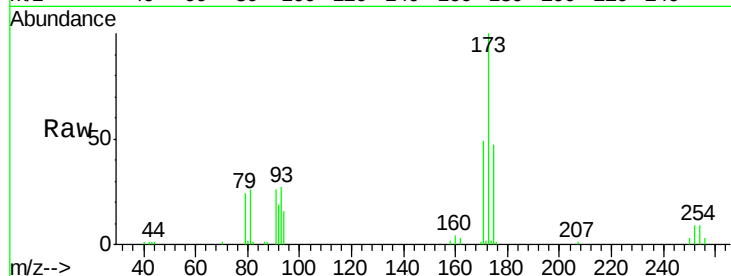
#71
Bromoform
Concen: 20.625 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.0	0.0	0.0

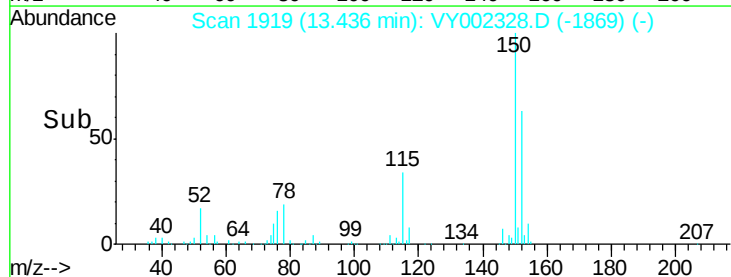
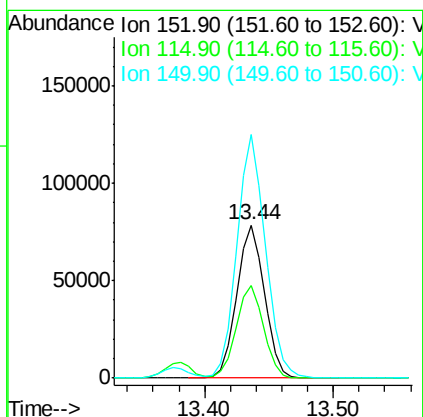
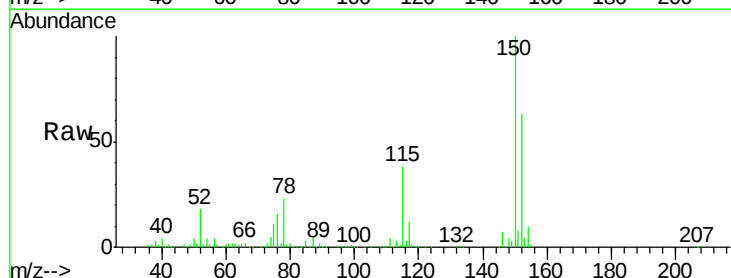
Manual Integrations
APPROVED

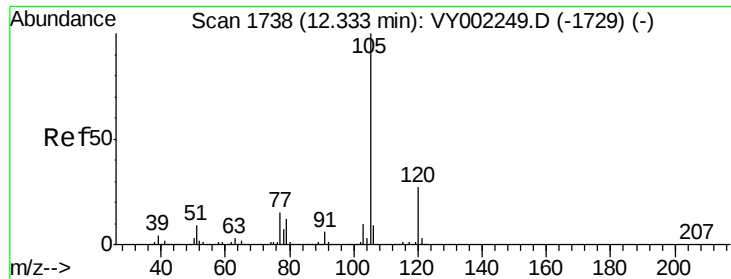
MMDadoda
4/16/2020 10:31:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.7	92.1
150	163.8	0.0	350.6





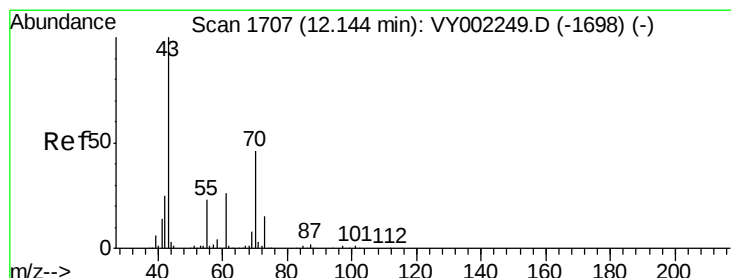
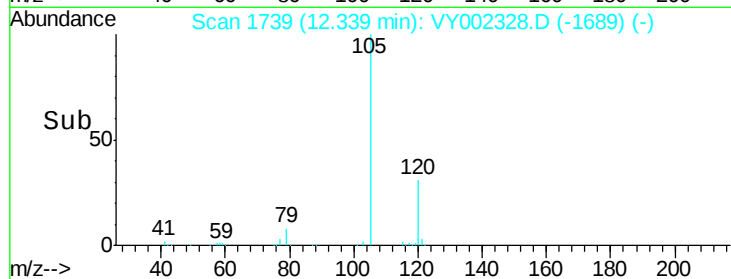
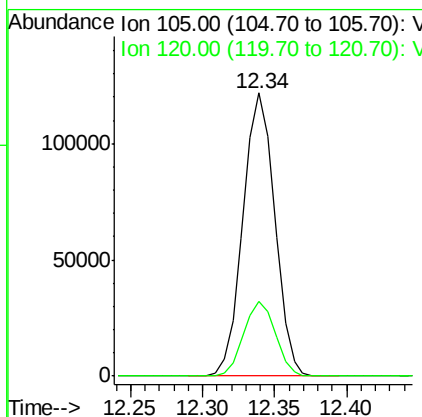
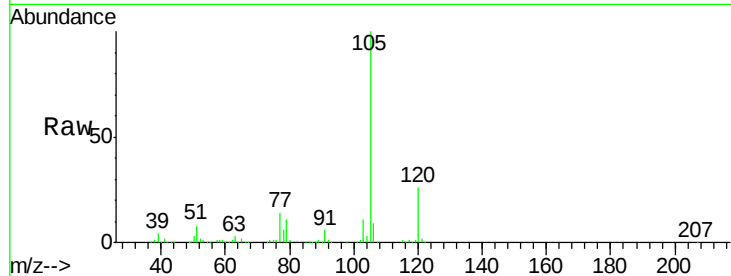
#73
Isopropylbenzene
Concen: 20.328 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	186638		
120	26.2	13.3	39.8	

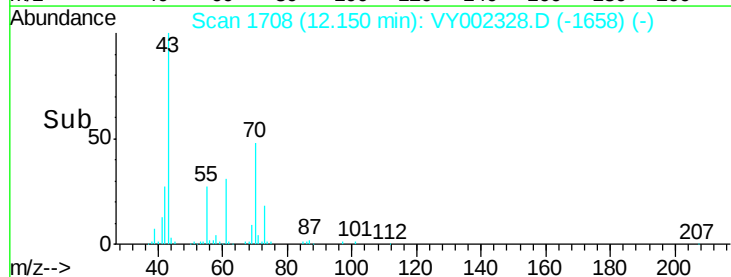
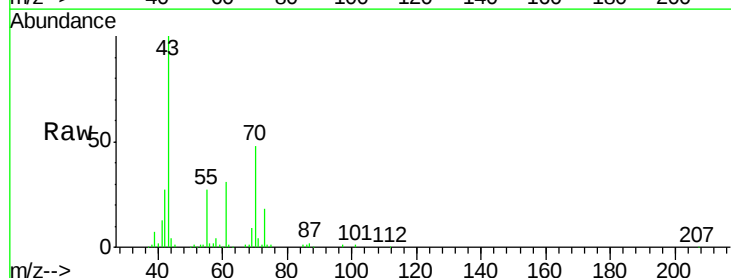
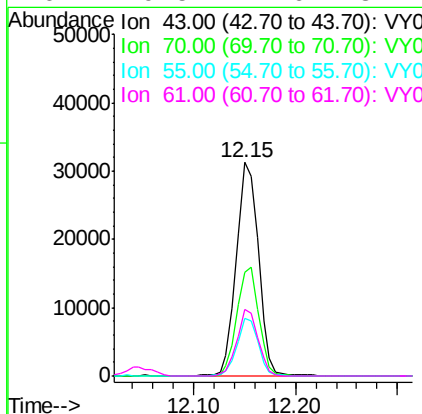
Manual Integrations
APPROVED

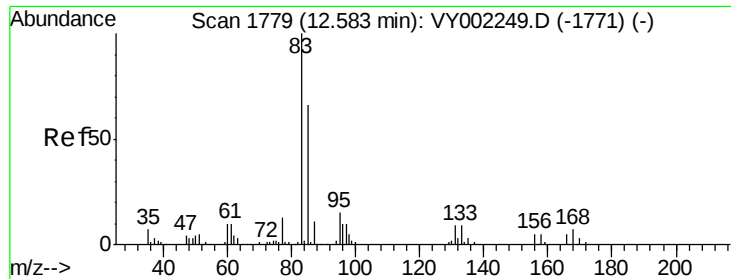
MMDadoda
4/16/2020 10:31:50 AM



#74
N-ethyl acetate
Concen: 17.953 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46791		
70	50.5	37.5	56.3	
55	25.9	19.0	28.6	
61	29.5	21.6	32.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.582 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

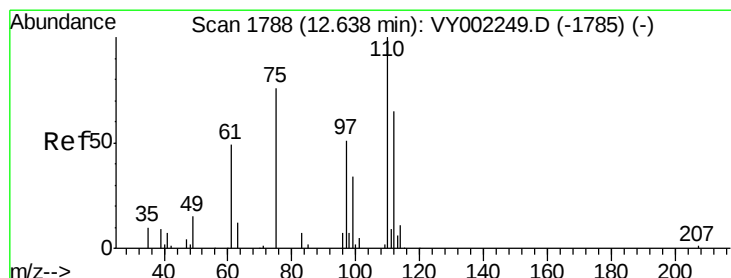
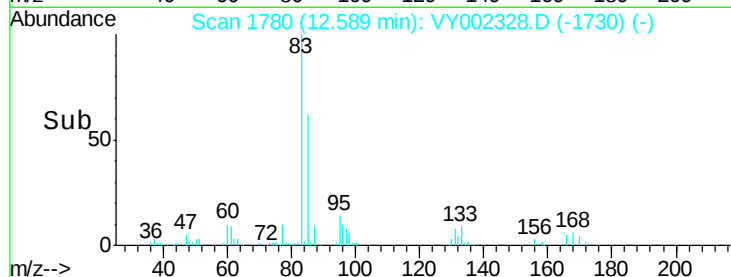
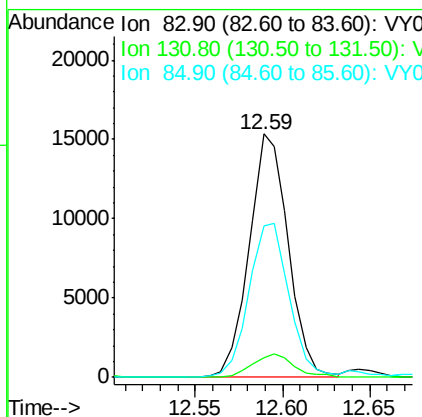
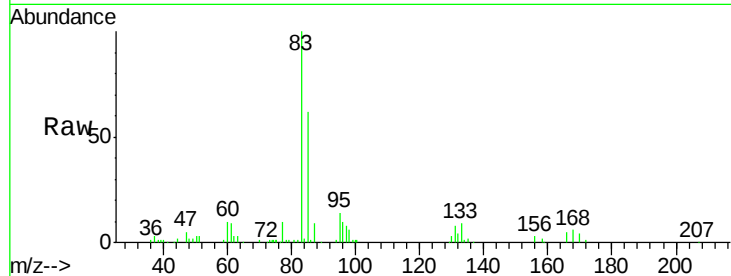
ClientSampleId :

VY0415SBS01

Tot Ion:	83	Resp:	23974
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	65.2	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 18.510 ug/l m

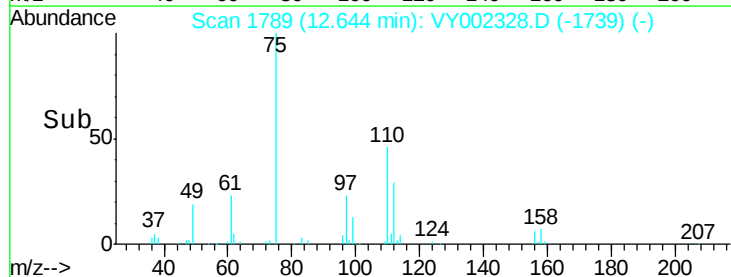
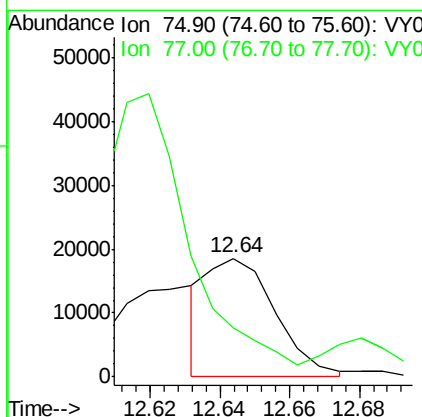
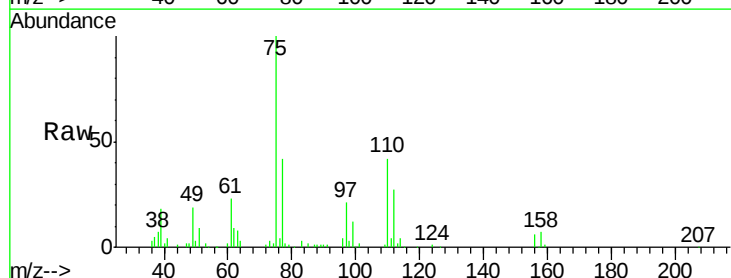
RT: 12.64 min Scan# 1789

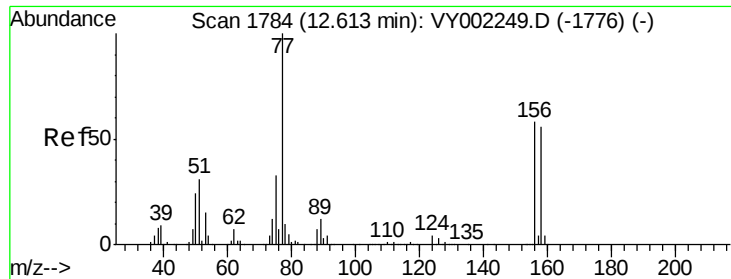
Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	75	Resp:	25120
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.140 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion:156 Resp: 40682

Ion Ratio Lower Upper

156 100

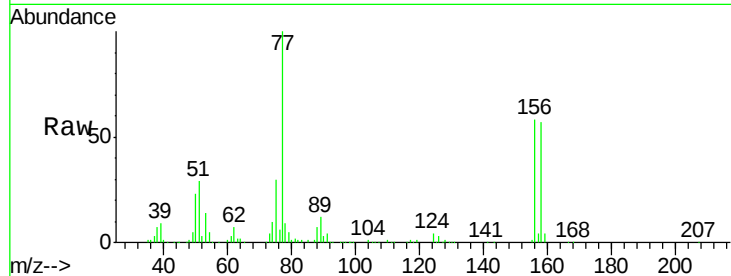
77 199.6 101.3 303.9

158 98.8 48.3 144.8

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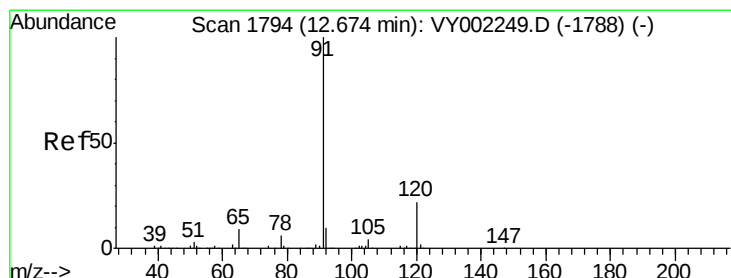
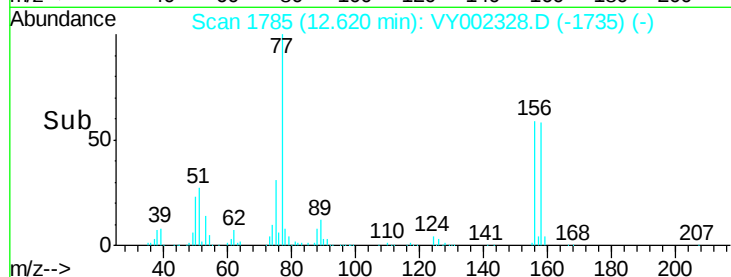
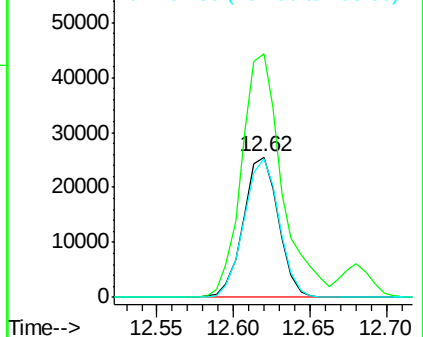
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.845 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY002328.D

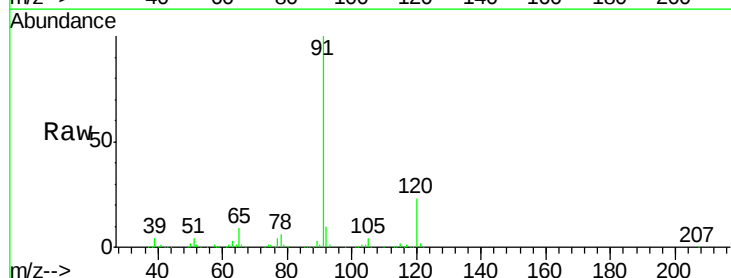
Acq: 15 Apr 2020 11:59

Tgt Ion: 91 Resp: 226608

Ion Ratio Lower Upper

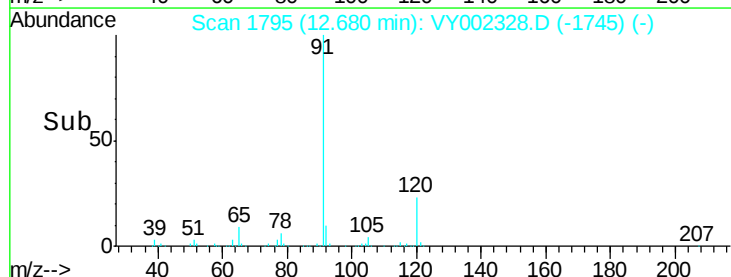
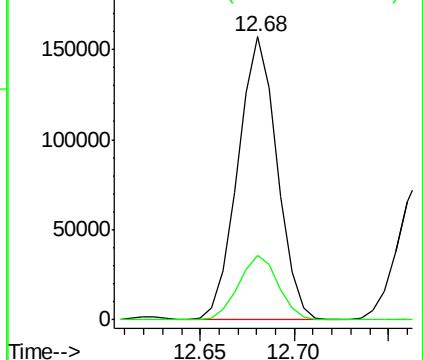
91 100

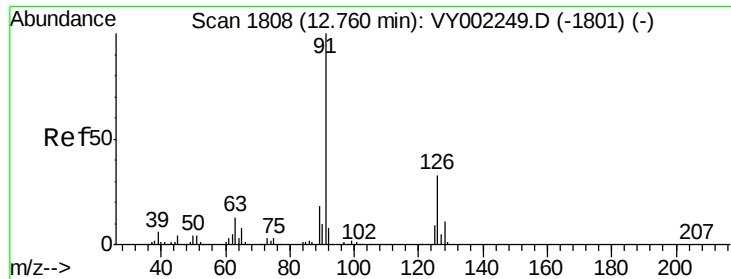
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





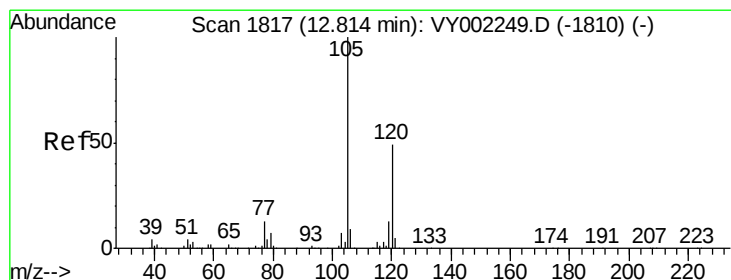
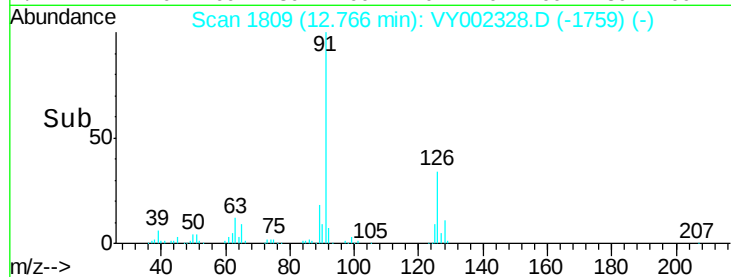
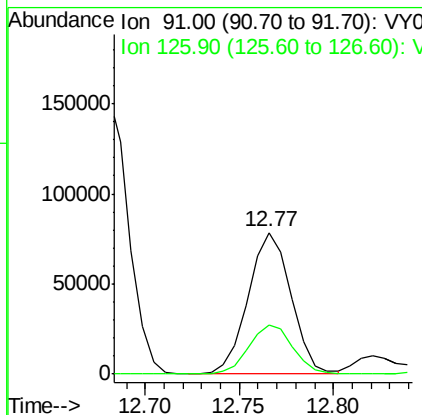
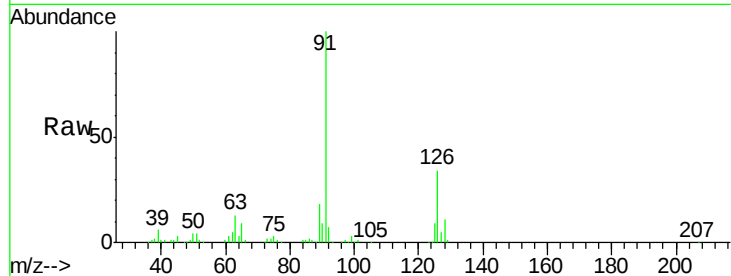
#79
2-Chlorotoluene
Concen: 19.953 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.9	50.7

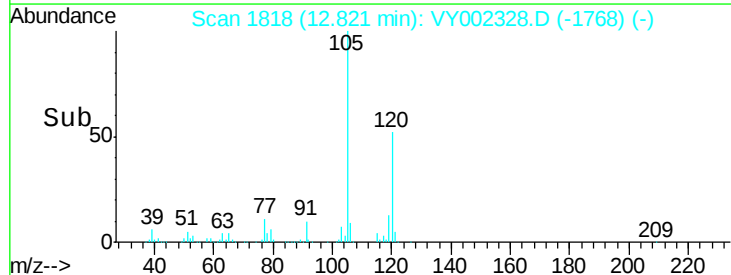
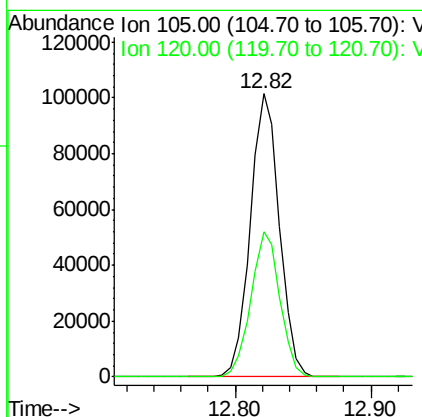
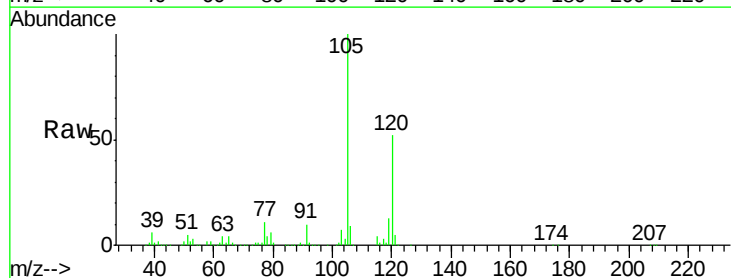
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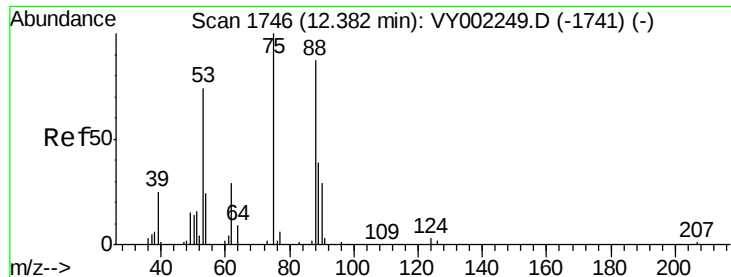
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#80
1,3,5-Trimethylbenzene
Concen: 20.009 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	24.7	74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.390 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

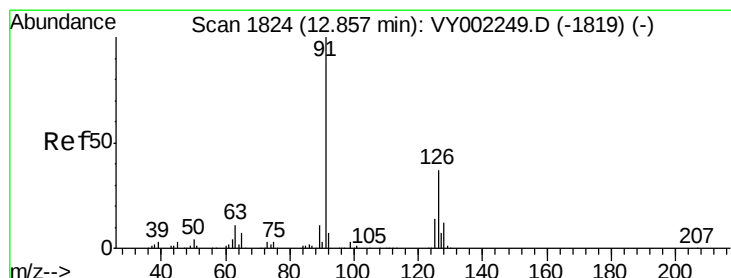
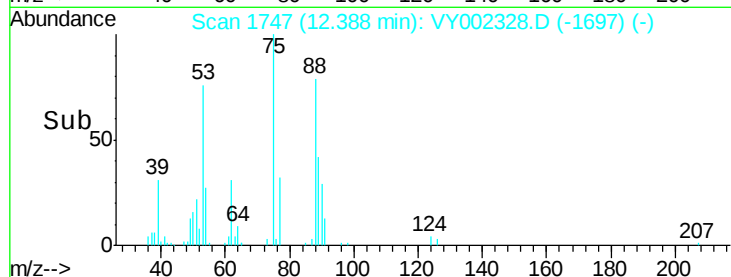
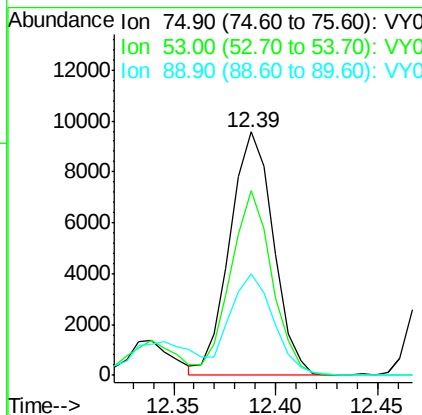
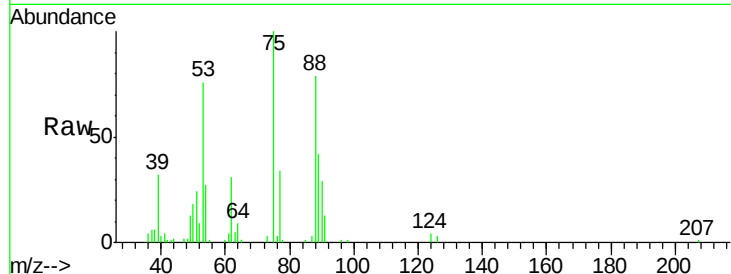
ClientSampleId :

VY0415SBS01

Tot Ion:	75	Resp:	14227
Ion	Ratio	Lower	Upper
75	100		
53	72.9	59.8	89.8
89	42.4	37.0	55.6

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#82

4-Chlorotoluene

Concen: 19.581 ug/l

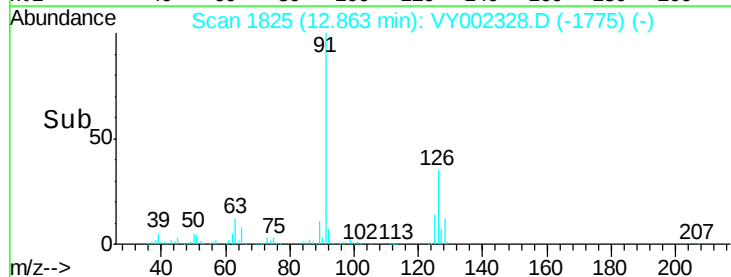
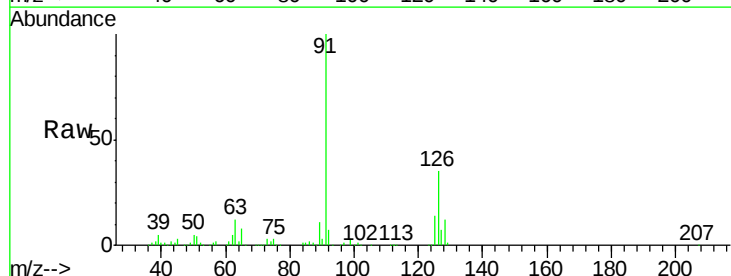
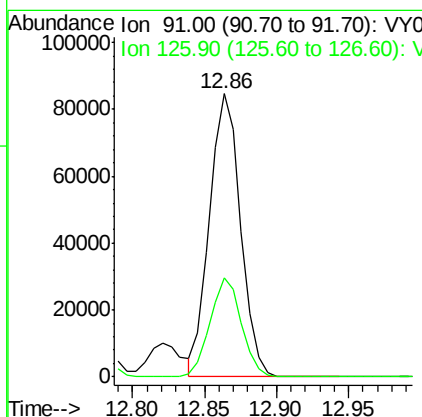
RT: 12.86 min Scan# 1825

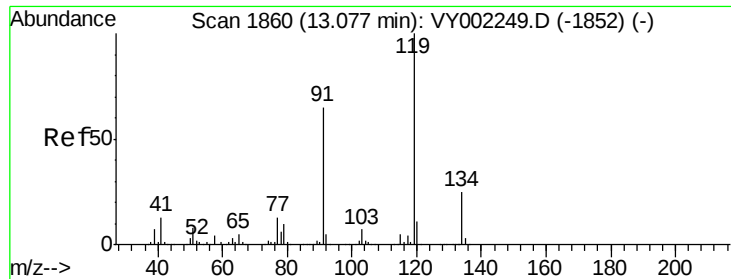
Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	91	Resp:	127357
Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.9	50.7





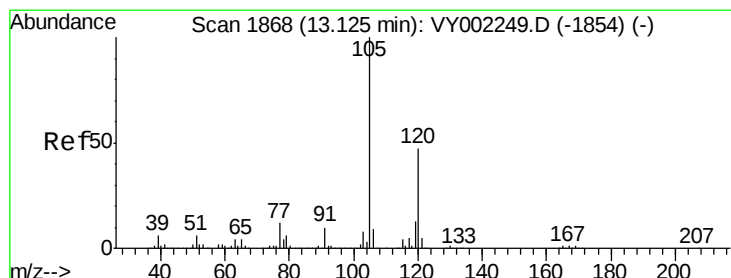
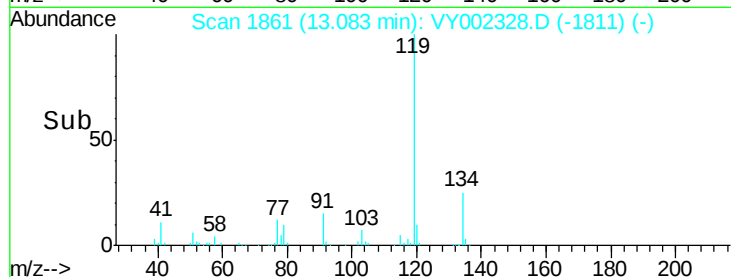
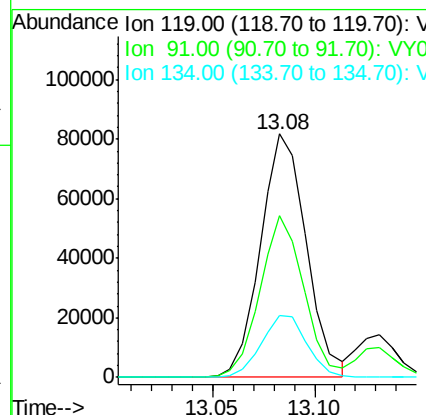
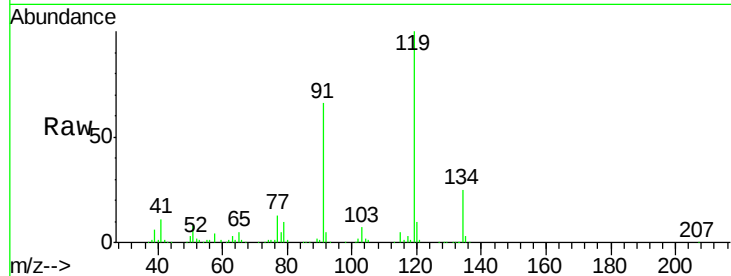
#83
 tert-Butylbenzene
 Concen: 20.105 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.4	97.0
134	25.7	12.6	37.6

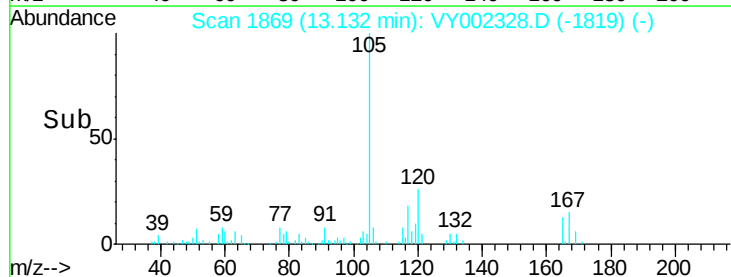
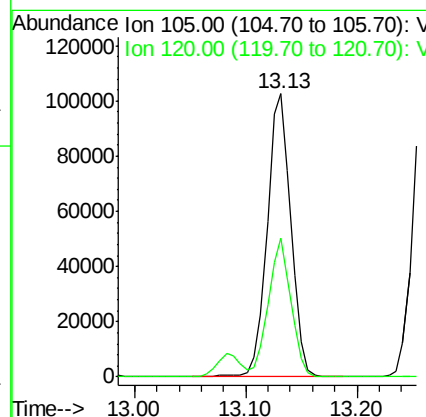
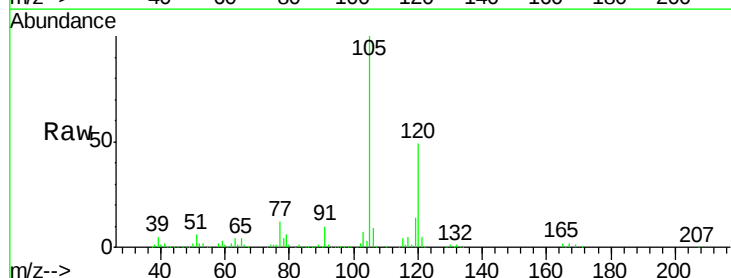
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.048 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.329 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBS01

Tot Ion:105 Resp: 192612

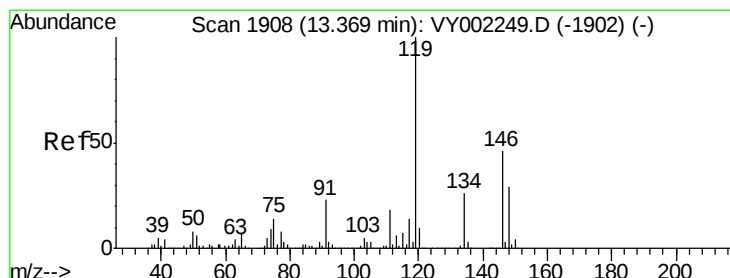
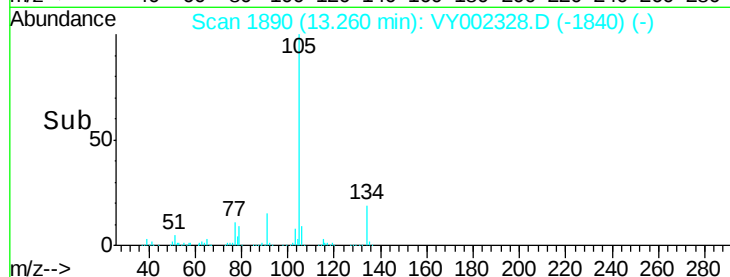
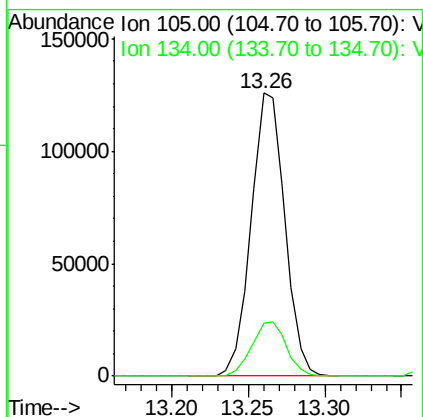
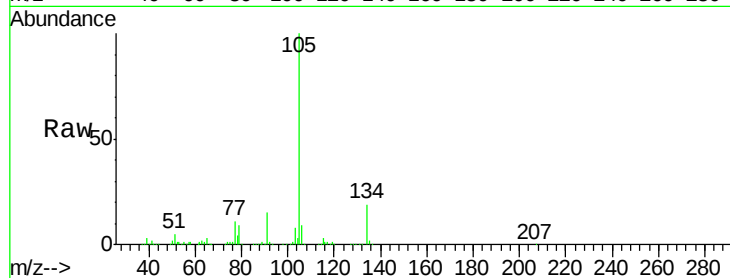
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 20.353 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

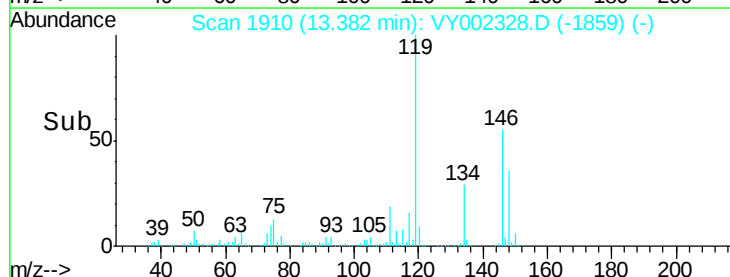
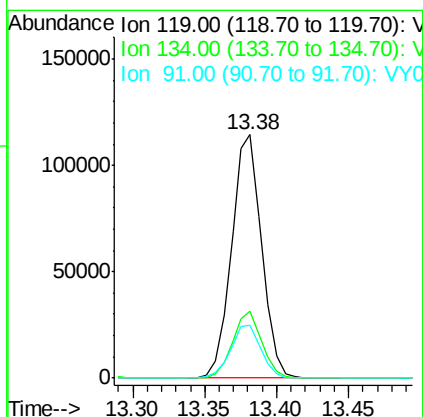
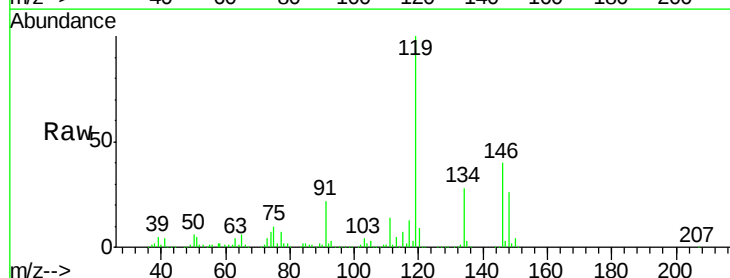
Tgt Ion:119 Resp: 165975

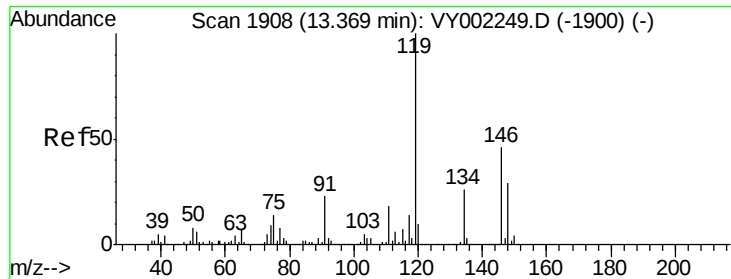
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 22.2 11.5 34.4





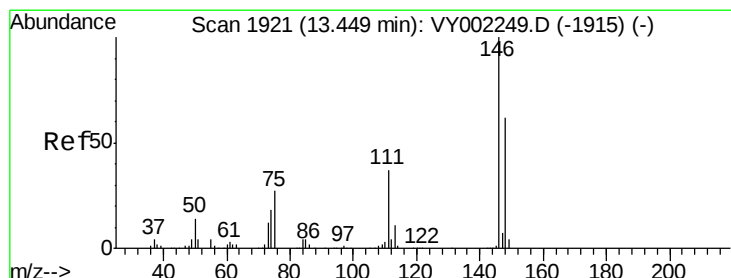
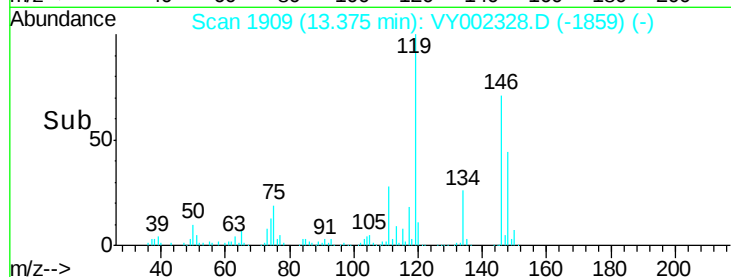
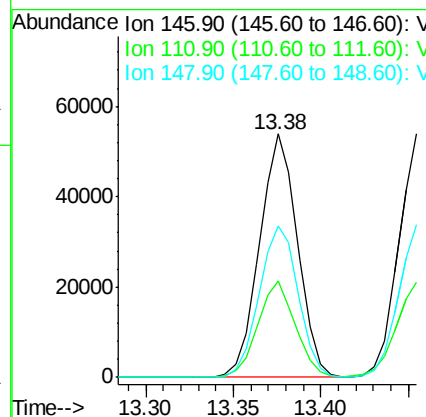
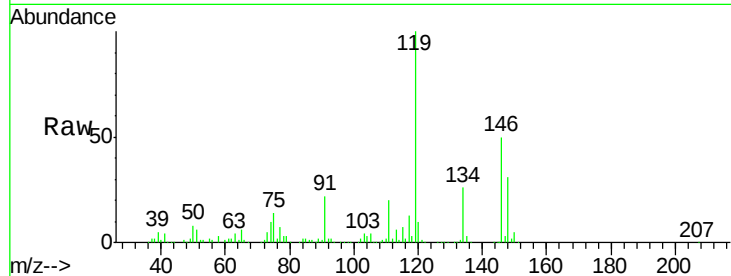
#87
 1,3-Dichlorobenzene
 Concen: 20.692 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.8	32.1	96.3

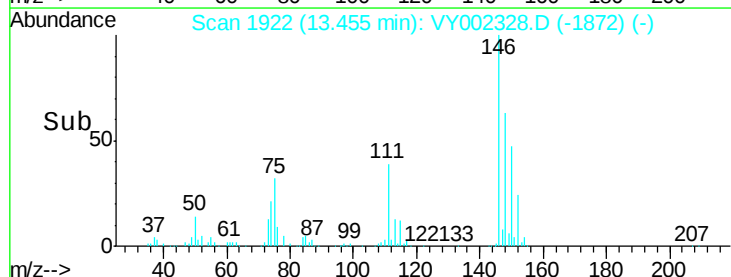
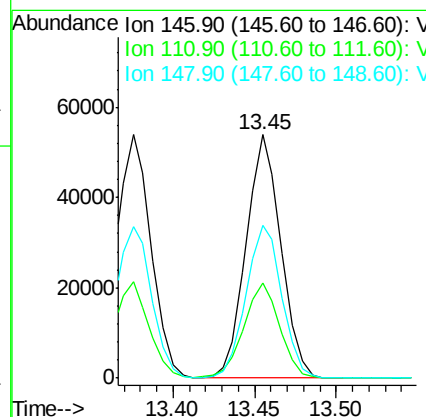
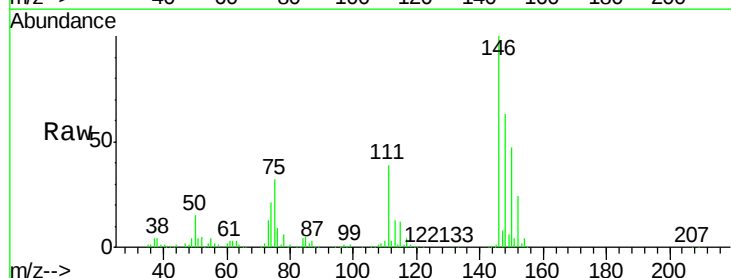
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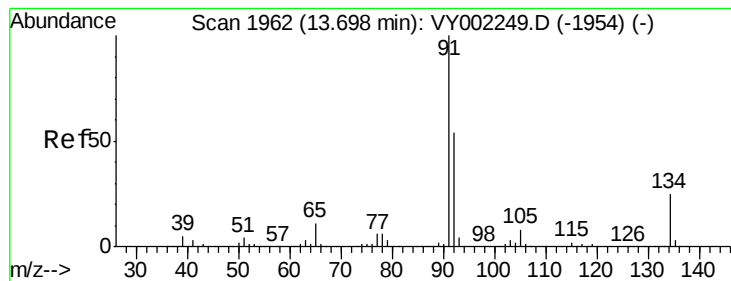
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#88
 1,4-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.6	32.0	96.0





#89

n-Butylbenzene

Concen: 19.906 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Instrument :

MSVOA_Y

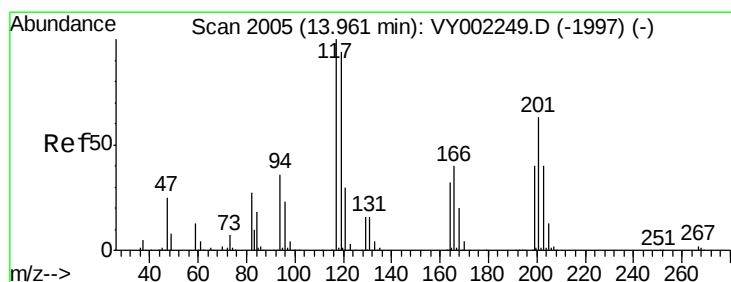
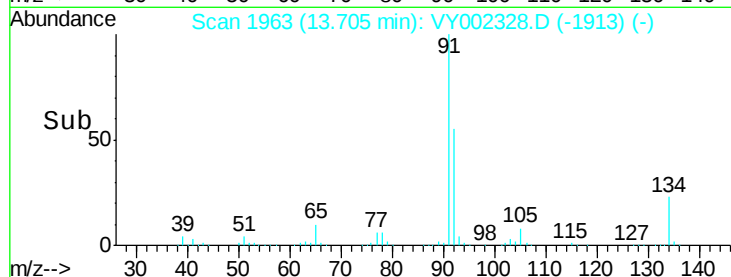
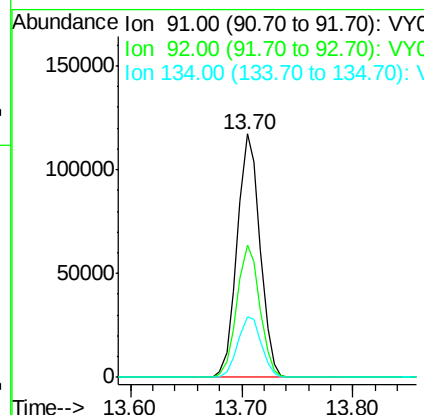
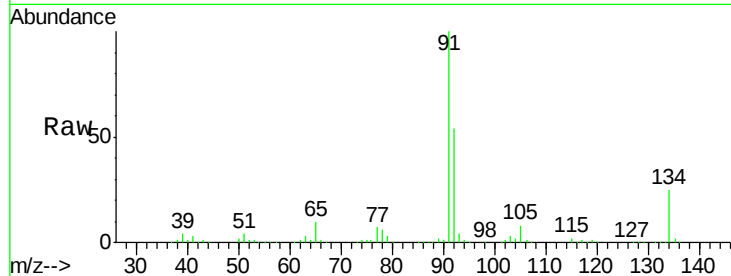
ClientSampleId :

VY0415SBS01

Tot Ion:	91	Resp:	166387
Ion Ratio	Lower	Upper	
91	100		
92	54.7	27.2	81.6
134	25.6	12.7	38.0

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#90

Hexachloroethane

Concen: 19.248 ug/l

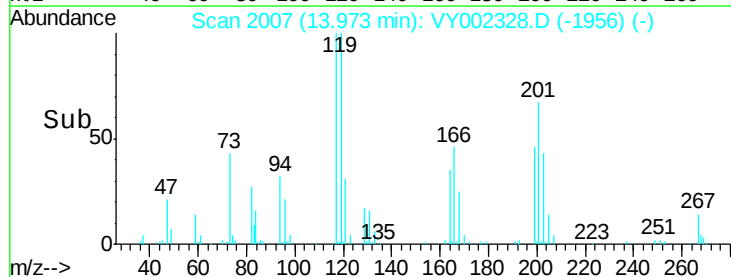
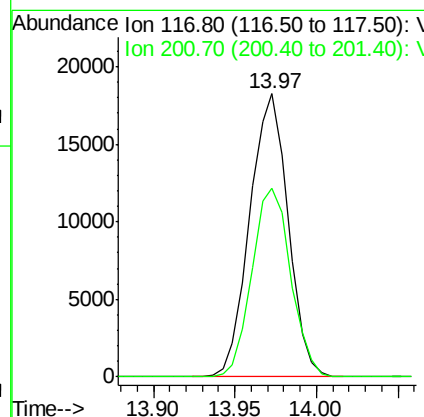
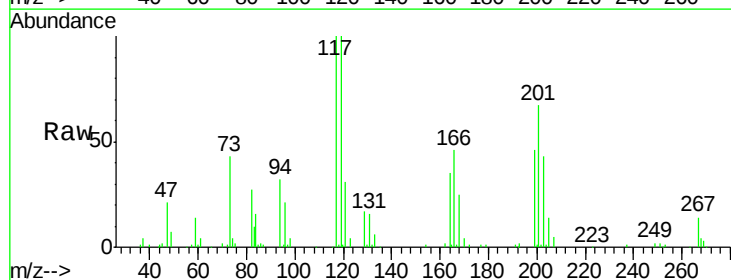
RT: 13.97 min Scan# 2007

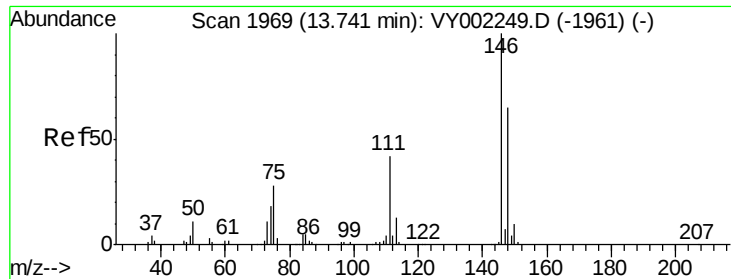
Delta R.T. 0.01 min

Lab File: VY002328.D

Acq: 15 Apr 2020 11:59

Tgt Ion:	117	Resp:	29911
Ion Ratio	Lower	Upper	
117	100		
201	67.4	33.1	99.2





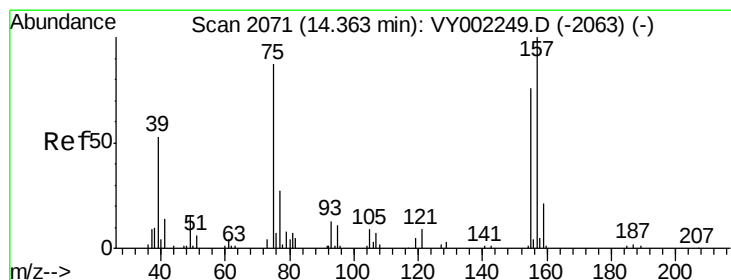
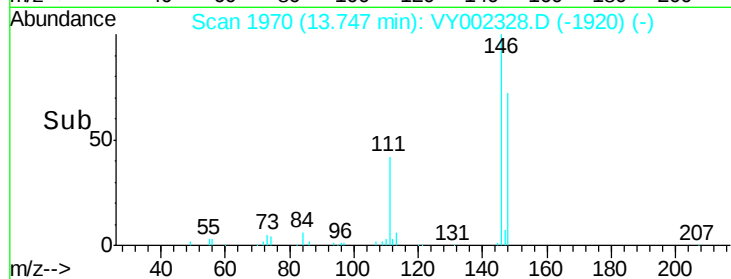
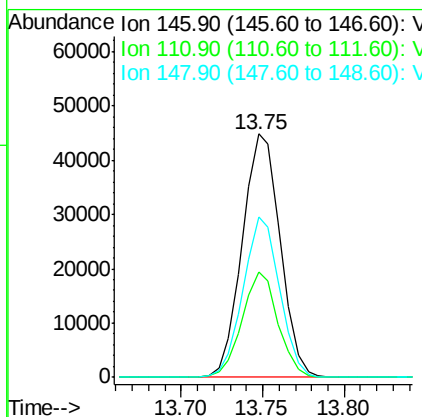
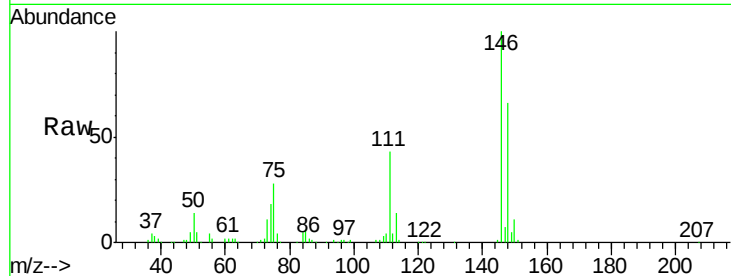
#91
 1,2-Dichlorobenzene
 Concen: 20.382 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	63.6	31.9	95.9

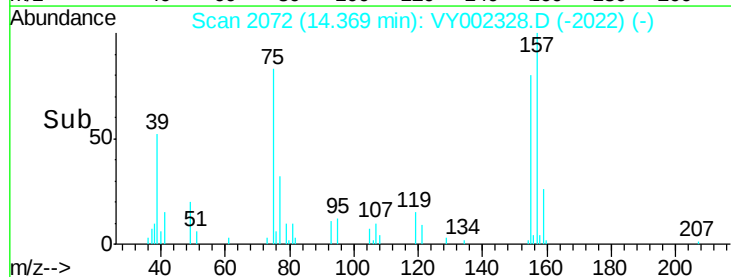
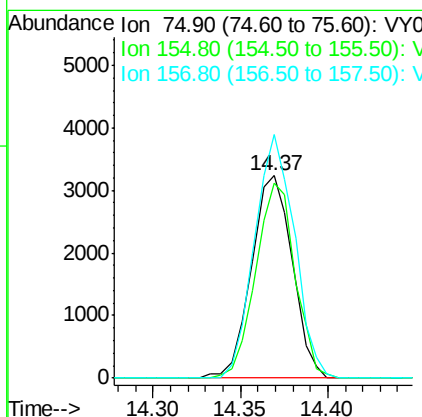
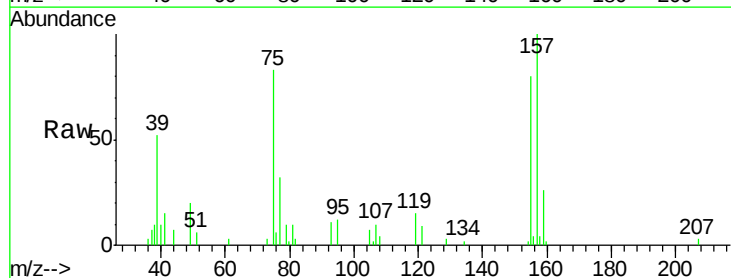
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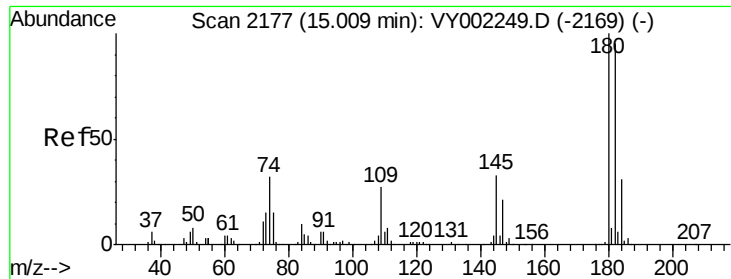
MMDadoda
 4/16/2020 10:31:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.515 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	43.6	130.8
157	117.4	56.0	168.2





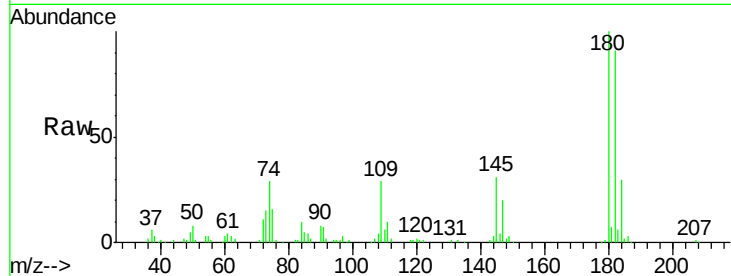
#93
 1,2,4-Trichlorobenzene
 Concen: 19.999 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46499		
182	93.6	47.9	143.7	
145	30.6	16.0	48.0	

Manual Integrations
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 4/16/2020 10:31:50 AM

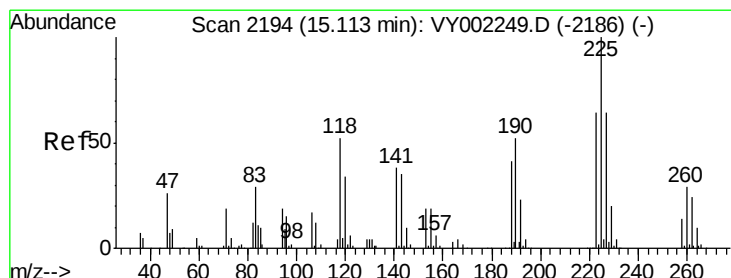
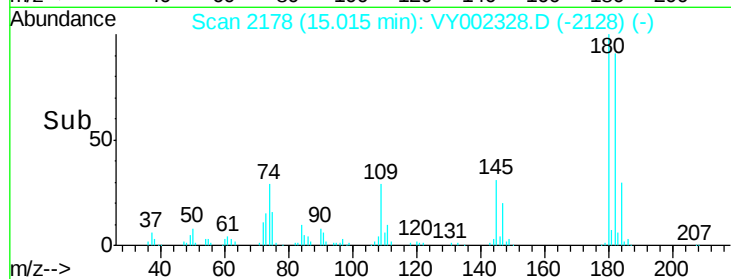
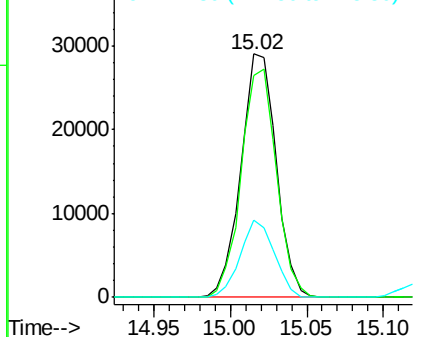


Abundance

Ion 179.80 (179.50 to 180.50): V

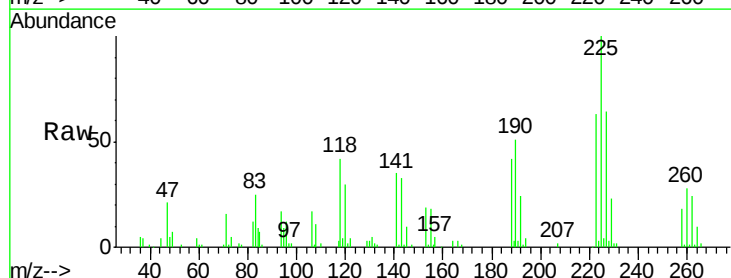
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.455 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002328.D
 Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22784		
223	65.3	31.0	93.0	
227	63.2	31.3	93.9	

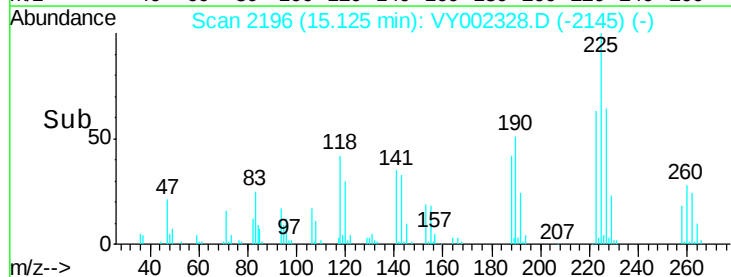
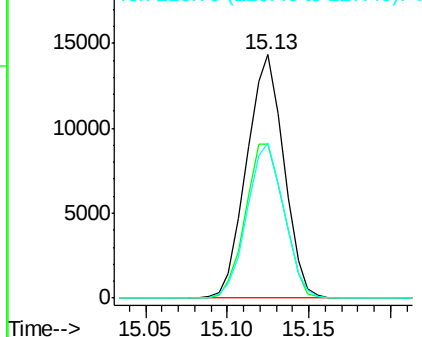


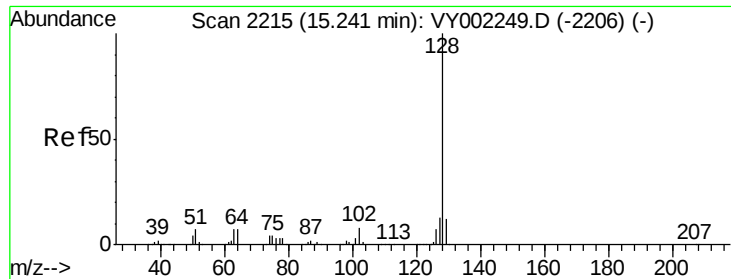
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





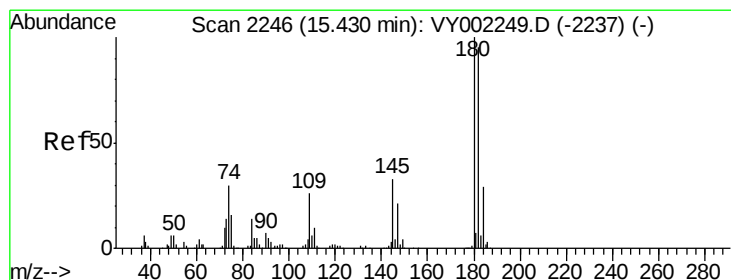
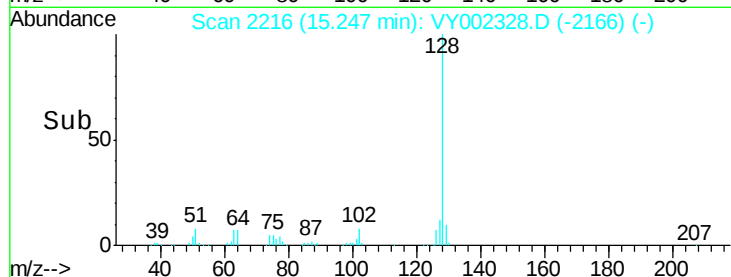
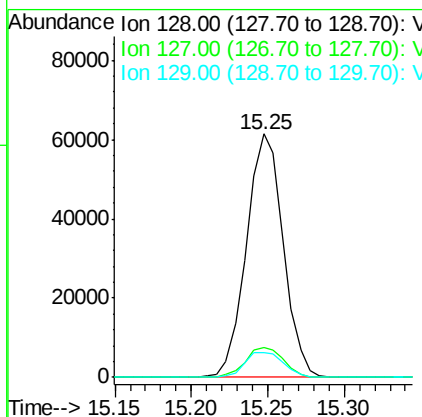
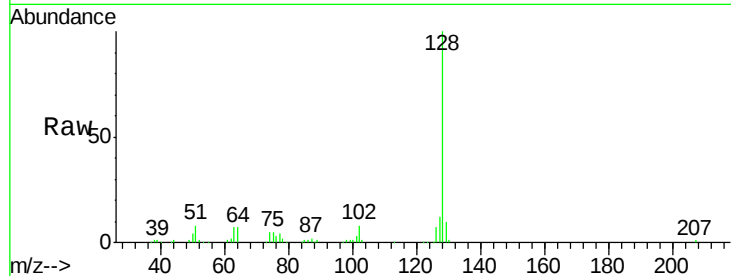
#95
Naphthalene
Concen: 20.126 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	102459		
127	12.7		10.1	15.1
129	10.9		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.143 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002328.D
Acq: 15 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40668		
182	94.0		47.1	141.3
145	33.0		16.7	50.1

