

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000445.D
 Acq On : 25 Oct 2019 21:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:38:45 PM

Quant Time: Oct 26 03:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	174282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	142945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	103364	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
35) Dibromofluoromethane	7.74	113	92847	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.19	98	351022	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.48	95	131010	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	52928	37.345	ug/l	97
3) Chloromethane	2.11	50	100114	47.009	ug/l	99
4) Vinyl Chloride	2.26	62	87771	40.837	ug/l	96
5) Bromomethane	2.65	94	61480	38.597	ug/l	97
6) Chloroethane	2.79	64	63292	45.639	ug/l	97
7) Trichlorofluoromethane	3.13	101	137363	46.722	ug/l	99
8) Diethyl Ether	3.53	74	56474	54.374	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	85436	47.917	ug/l	99
10) Methyl Iodide	4.10	142	88630	35.257	ug/l	97
11) Tert butyl alcohol	4.97	59	50801	264.052	ug/l	99
12) 1,1-Dichloroethene	3.88	96	81765	46.452	ug/l	94
13) Acrolein	3.74	56	69823	309.557	ug/l	98
14) Allyl chloride	4.49	41	147684	50.629	ug/l	98
15) Acrylonitrile	5.18	53	168396	289.672	ug/l	98
16) Acetone	3.96	43	149401	250.945	ug/l	98
17) Carbon Disulfide	4.20	76	219042	39.524	ug/l	99
18) Methyl Acetate	4.49	43	87143	58.911	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	291701	59.531	ug/l	98
20) Methylene Chloride	4.72	84	113781	57.542	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	99733	49.386	ug/l	90
22) Diisopropyl ether	6.13	45	360783	58.479	ug/l	96
23) Vinyl Acetate	6.08	43	1122668	278.932	ug/l	100
24) 1,1-Dichloroethane	6.03	63	182845	54.296	ug/l	98
25) 2-Butanone	7.00	43	231095	275.552	ug/l	97
26) 2,2-Dichloropropane	7.00	77	149785	48.270	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	120683	55.227	ug/l	96
28) Bromochloromethane	7.35	49	84418	58.395	ug/l	97
29) Tetrahydrofuran	7.36	42	146629	288.491	ug/l	98
30) Chloroform	7.52	83	191659	56.514	ug/l	98
31) Cyclohexane	7.80	56	151189	42.986	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	162036	53.743	ug/l	99
36) 1,1-Dichloropropene	7.93	75	136076	47.273	ug/l	98
37) Ethyl Acetate	7.09	43	95460	56.008	ug/l	98
38) Carbon Tetrachloride	7.91	117	137994	49.512	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	169728	45.052	ug/l	95
40) Benzene	8.17	78	427229	51.359	ug/l	99
41) Methacrylonitrile	7.33	41	44652m	55.037	ug/l	
42) 1,2-Dichloroethane	8.25	62	133929	56.363	ug/l	99
43) Isopropyl Acetate	8.28	43	182528	56.322	ug/l	99
44) Trichloroethene	8.95	130	113697	48.712	ug/l	100
45) 1,2-Dichloropropane	9.23	63	114907	56.288	ug/l	96
46) Dibromomethane	9.31	93	64171	56.232	ug/l	97
47) Bromodichloromethane	9.50	83	155959	57.990	ug/l	96
48) Methyl methacrylate	9.30	41	85399	60.128	ug/l	96
49) 1,4-Dioxane	9.30	88	18017	1052.976	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	496101	296.796	ug/l	100
52) Toluene	10.25	92	279420	52.907	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	162123	56.249	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	180823	55.243	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	96951	58.431	ug/l	96
56) Ethyl methacrylate	10.52	69	139107	58.819	ug/l	97
57) 1,3-Dichloropropane	10.80	76	165743	58.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	315146	334.080	ug/l	99
59) 2-Hexanone	10.84	43	355566	303.057	ug/l	98
60) Dibromochloromethane	10.99	129	111404	60.577	ug/l	96
61) 1,2-Dibromoethane	11.09	107	94428	59.272	ug/l	98
64) Tetrachloroethene	10.72	164	121100	45.922	ug/l	97
65) Chlorobenzene	11.52	112	301308	51.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	111452	54.273	ug/l	100
67) Ethyl Benzene	11.59	91	544577	50.252	ug/l	99
68) m/p-Xylenes	11.70	106	411540	99.338	ug/l	97
69) o-Xylene	12.03	106	203266	51.432	ug/l	99
70) Styrene	12.05	104	353368	53.017	ug/l	99
71) Bromoform	12.21	173	69186	58.607	ug/l #	95
73) Isopropylbenzene	12.33	105	537689	48.241	ug/l	99
74) N-amyl acetate	12.14	43	169216	61.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	117975	56.374	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	73013m	41.538	ug/l	
77) Bromobenzene	12.61	156	128373	51.759	ug/l	96
78) n-propylbenzene	12.67	91	650551	48.613	ug/l	99
79) 2-Chlorotoluene	12.76	91	364664	49.342	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	457728	48.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	39443	49.097	ug/l	96
82) 4-Chlorotoluene	12.85	91	391228	50.079	ug/l	100
83) tert-Butylbenzene	13.08	119	389323	49.190	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	462420	50.131	ug/l	100
85) sec-Butylbenzene	13.25	105	558522	48.781	ug/l	99
86) p-Isopropyltoluene	13.37	119	497720	49.862	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	249913	51.141	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	251323	51.454	ug/l	97
89) n-Butylbenzene	13.70	91	472488	47.899	ug/l	100
90) Hexachloroethane	13.96	117	96011	51.944	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	232656	52.608	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20540	51.751	ug/l	97

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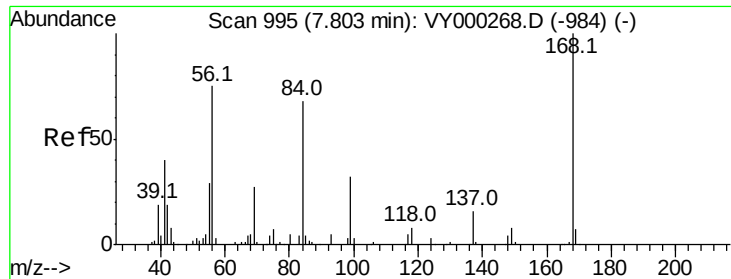
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	151723	49.276	ug/l	99
94) Hexachlorobutadiene	15.11	225	80066	48.051	ug/l	100
95) Naphthalene	15.23	128	364536	53.052	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	145922	52.585	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 174282

Ion Ratio Lower Upper

168 100

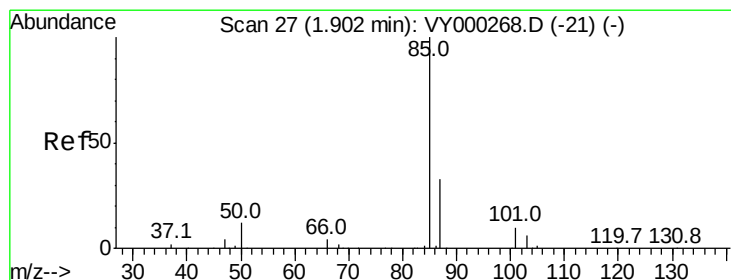
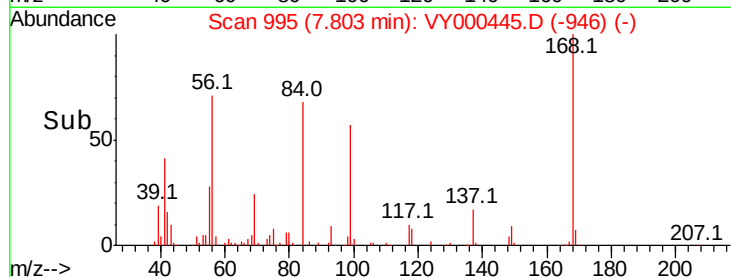
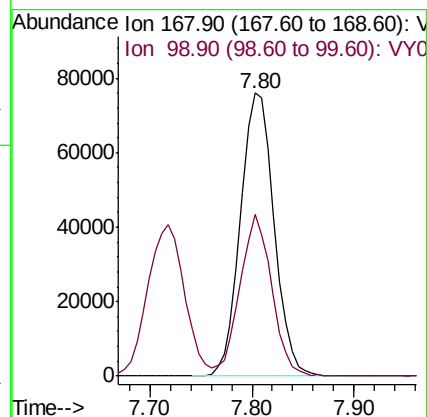
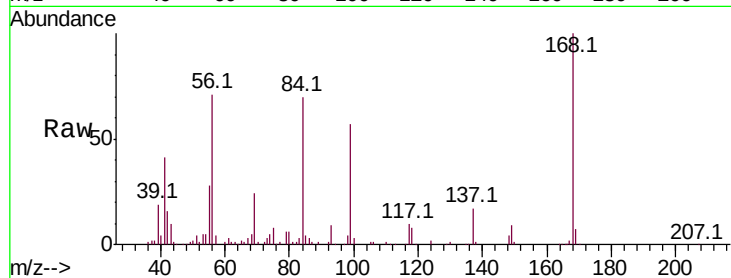
99 57.0 46.6 69.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 37.345 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000445.D

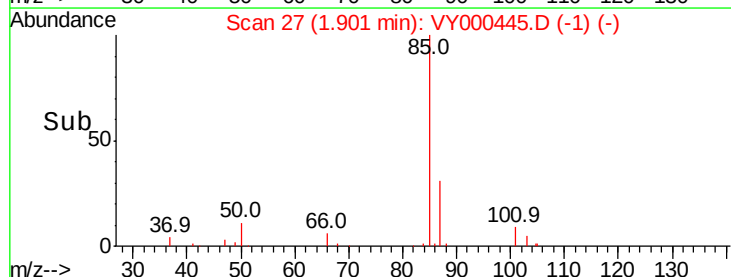
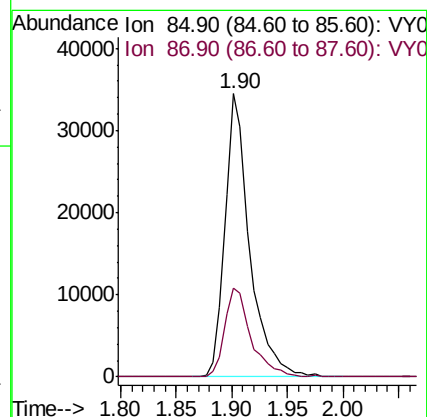
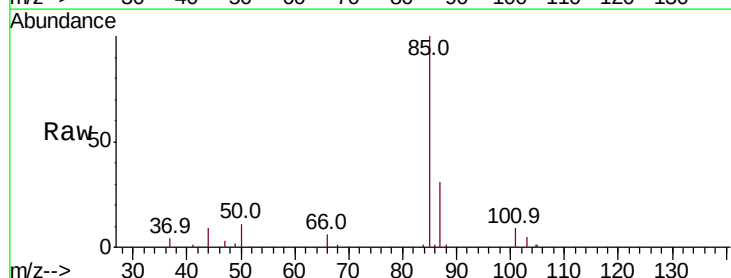
Acq: 25 Oct 2019 21:29

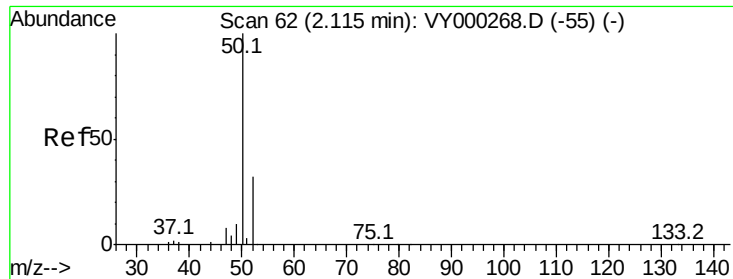
Tgt Ion: 85 Resp: 52928

Ion Ratio Lower Upper

85 100

87 31.3 16.6 49.8





#3

Chloromethane

Concen: 47.009 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100114

Ion Ratio Lower Upper

50 100

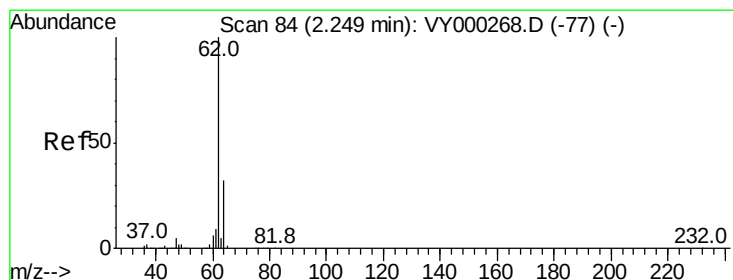
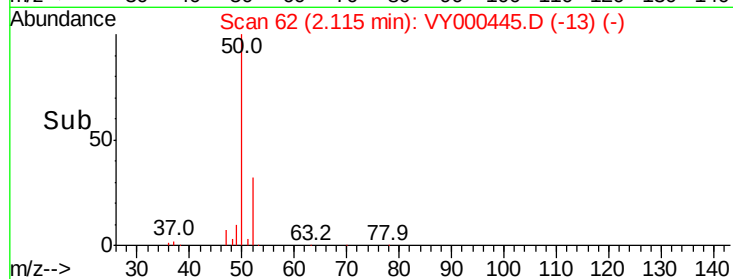
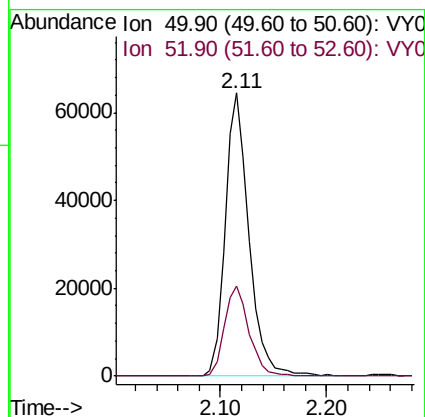
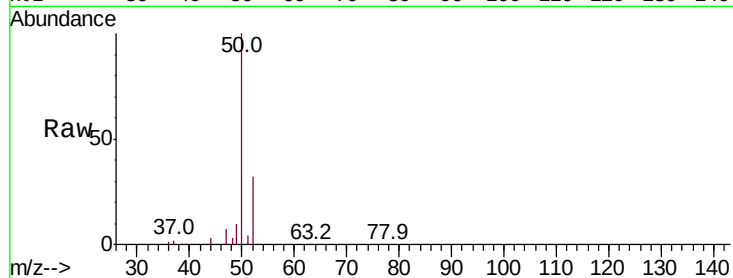
52 32.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.837 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000445.D

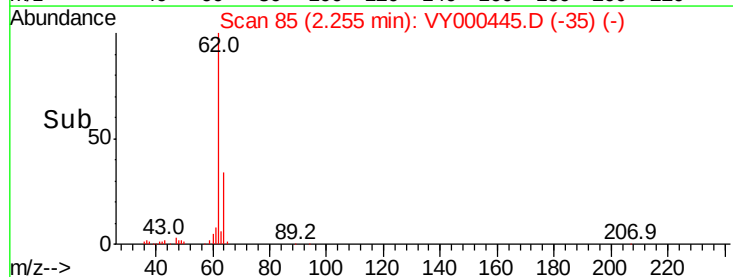
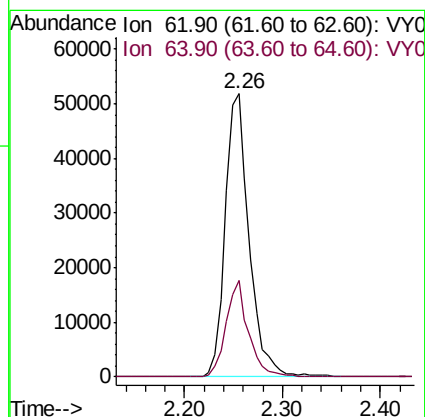
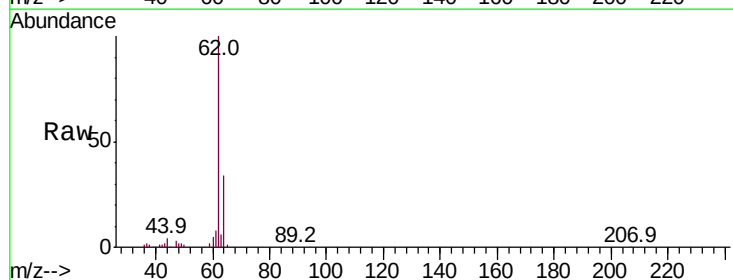
Acq: 25 Oct 2019 21:29

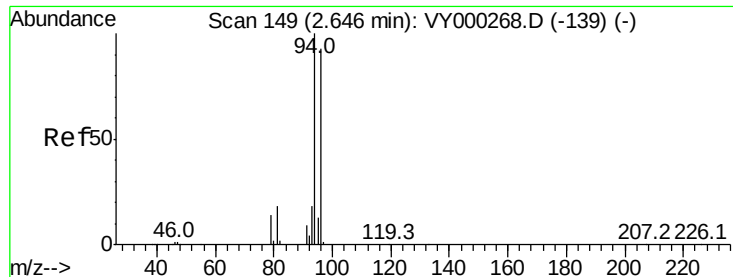
Tgt Ion: 62 Resp: 87771

Ion Ratio Lower Upper

62 100

64 34.0 25.6 38.4





#5

Bromomethane

Concen: 38.597 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61480

Ion Ratio Lower Upper

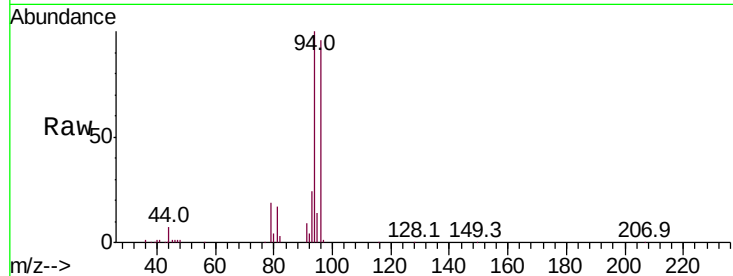
94 100

96 95.8 74.2 111.2

Manual Integrations
APPROVED

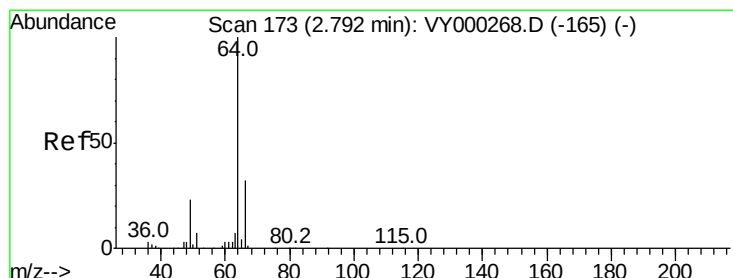
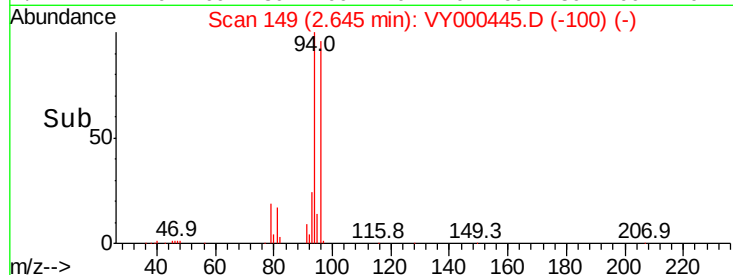
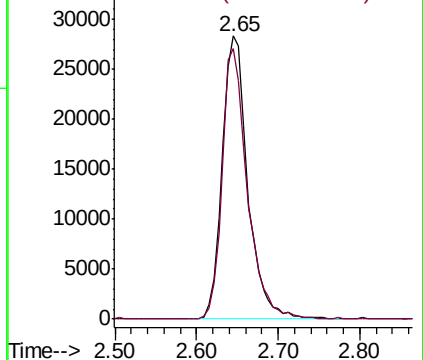
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.639 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000445.D

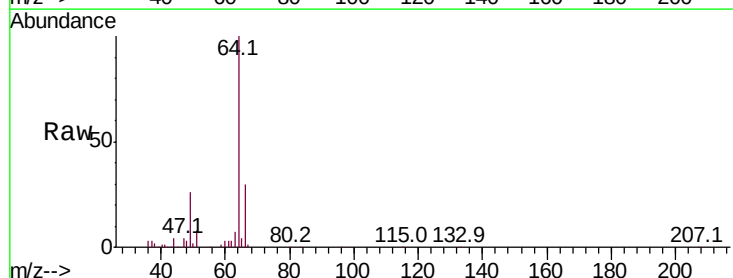
Acq: 25 Oct 2019 21:29

Tgt Ion: 64 Resp: 63292

Ion Ratio Lower Upper

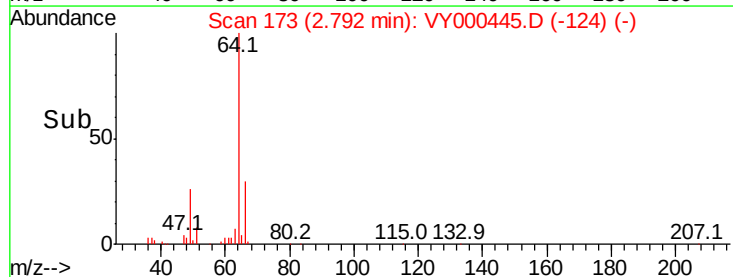
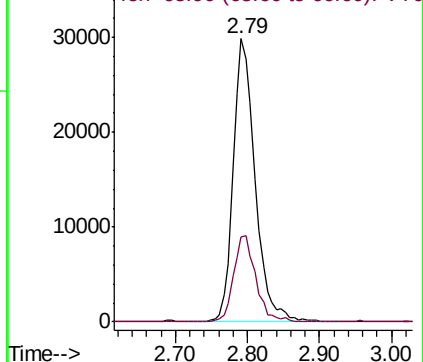
64 100

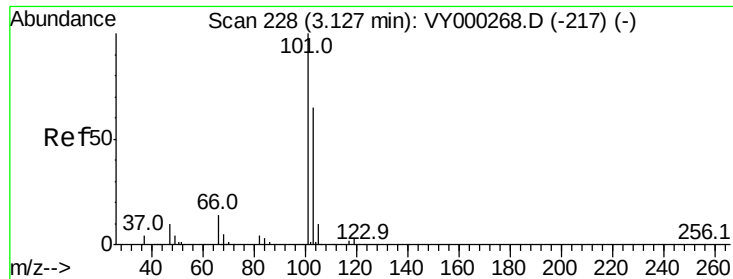
66 30.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

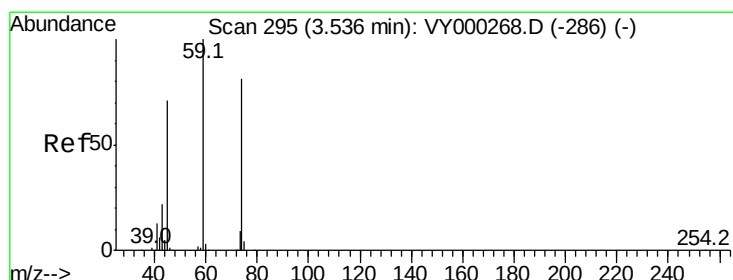
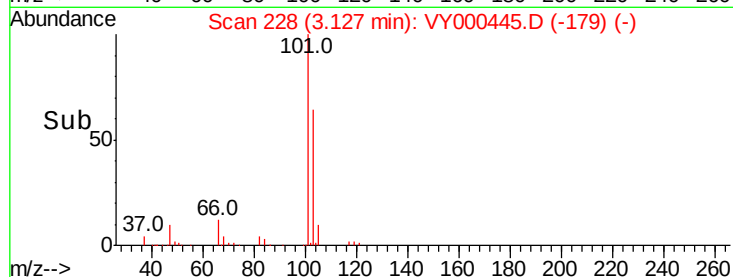
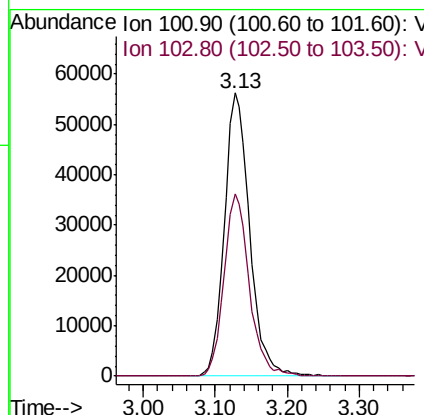
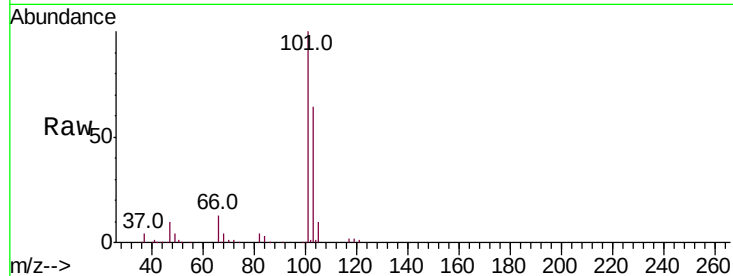
Trichlorofluoromethane
 Concen: 46.722 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.4

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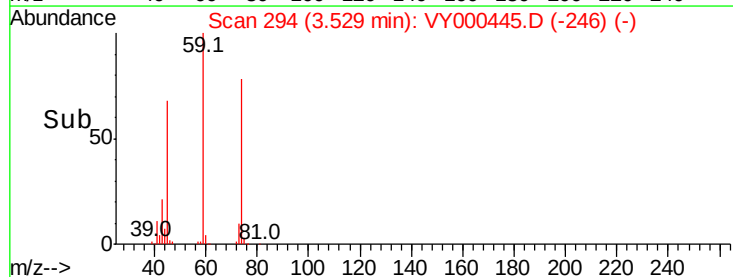
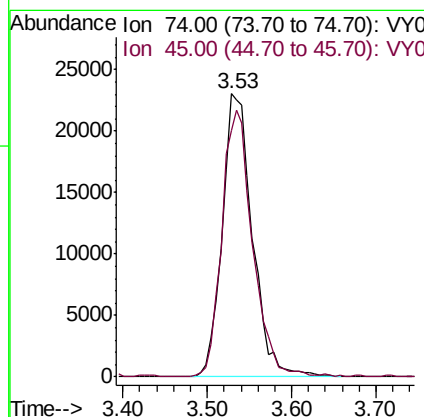
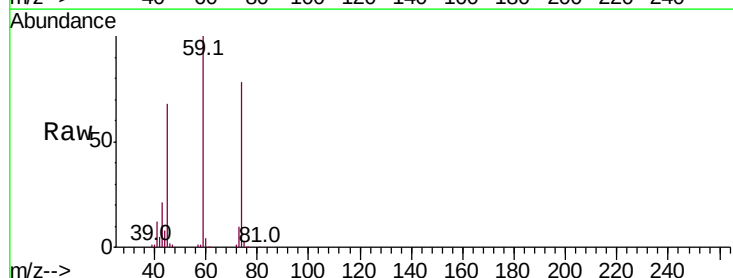
MMDadoda
 10/28/2019 12:38:45 PM

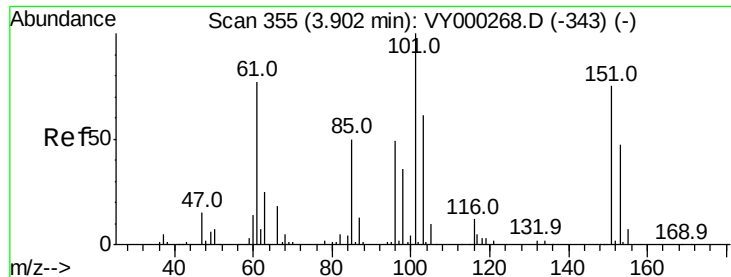


#8

Diethyl Ether
 Concen: 54.374 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.917 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

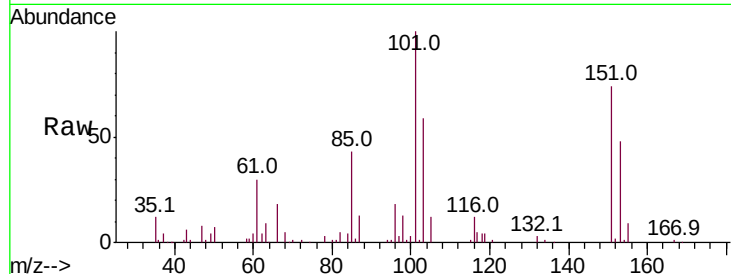
ClientSampleId :

VSTDCCC050EC

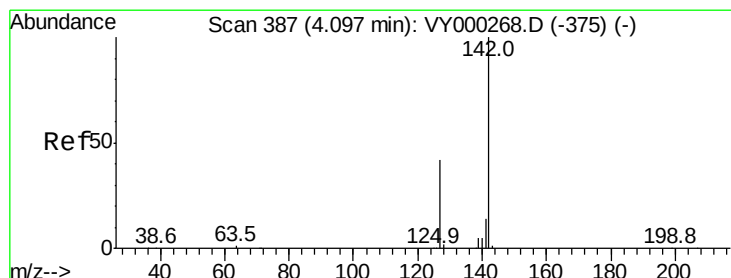
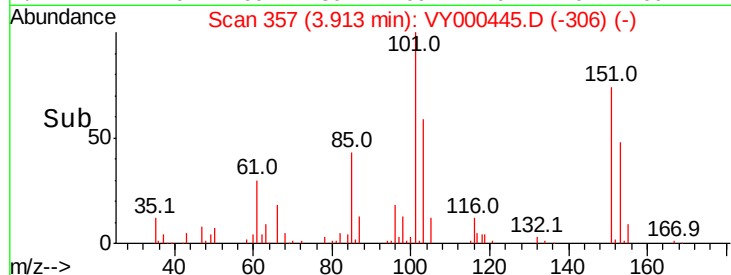
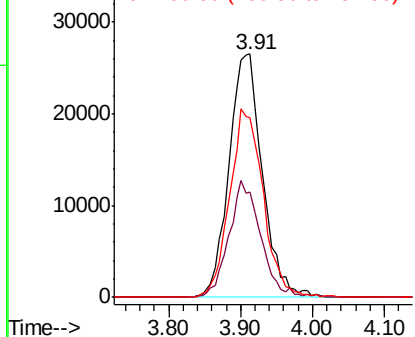
Tot Ion:	101	Resp:	85436
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	77.6	63.1	94.7

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



#10

Methyl Iodide

Concen: 35.257 ug/l

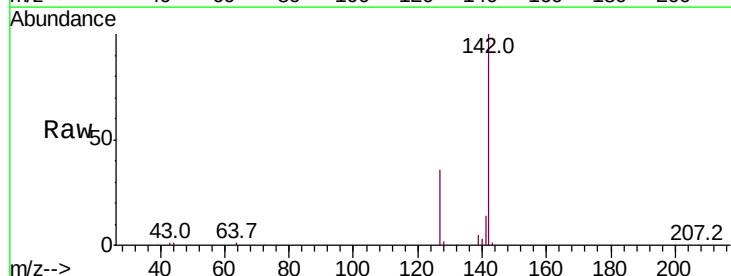
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

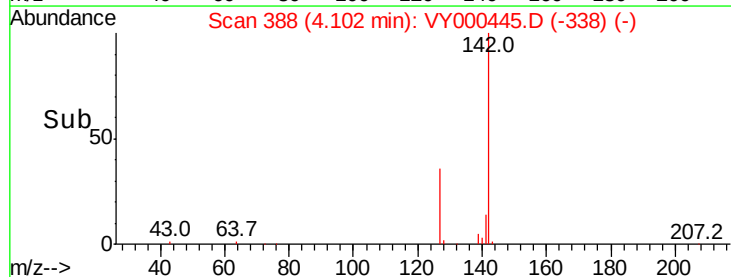
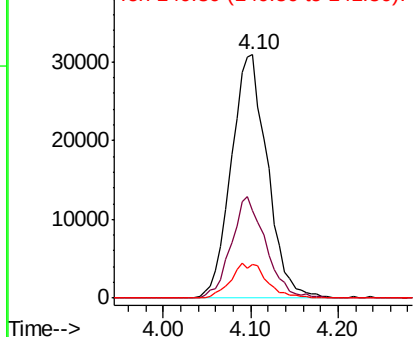
Lab File: VY000445.D

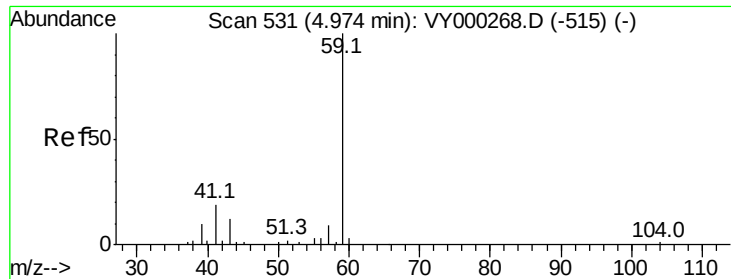
Acq: 25 Oct 2019 21:29

Tgt Ion:	142	Resp:	88630
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.9	50.9
141	14.0	11.2	16.8



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





#11

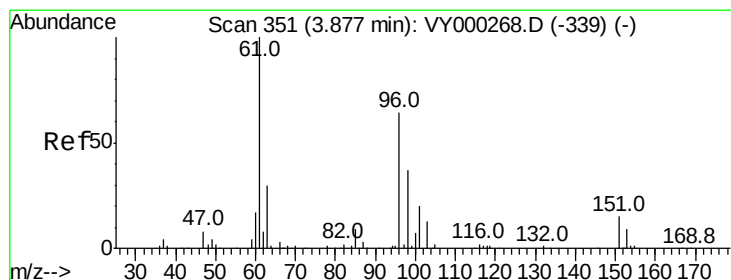
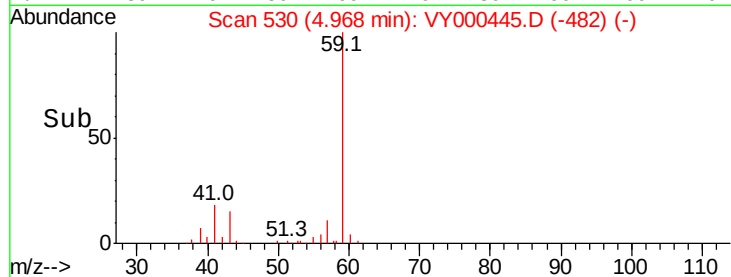
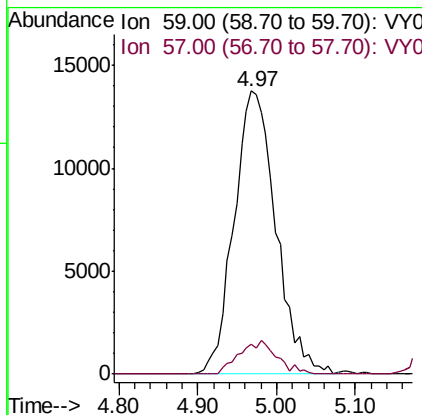
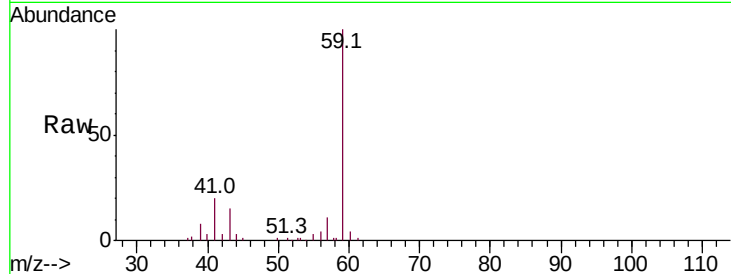
Tert butyl alcohol
 Concen: 264.052 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

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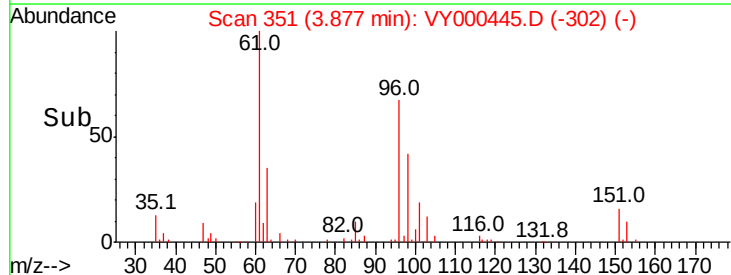
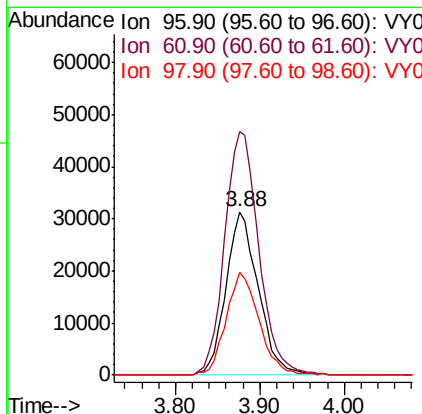
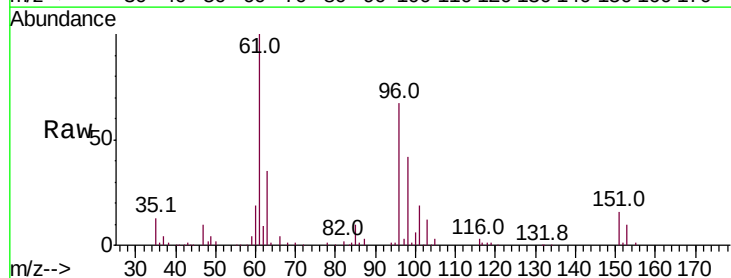
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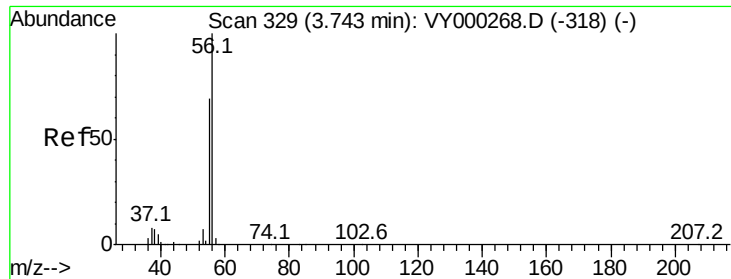


#12

1,1-Dichloroethene
 Concen: 46.452 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	125.8	188.6
98	62.8	46.2	69.2





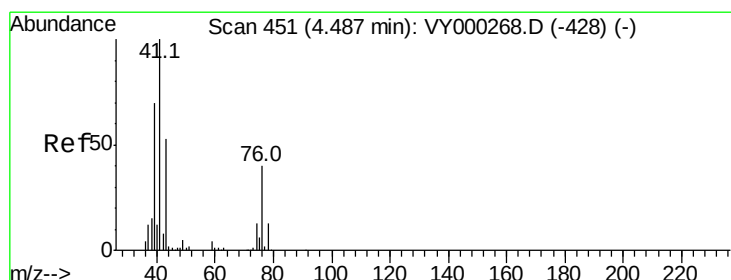
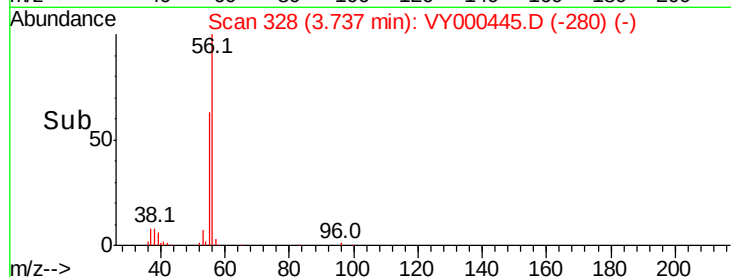
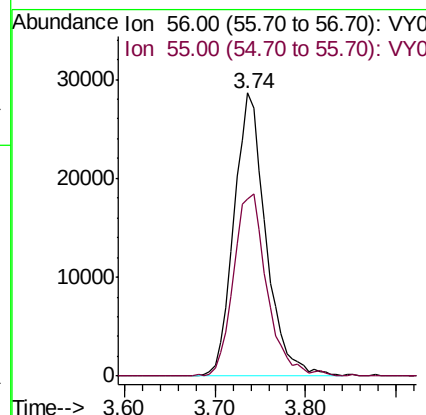
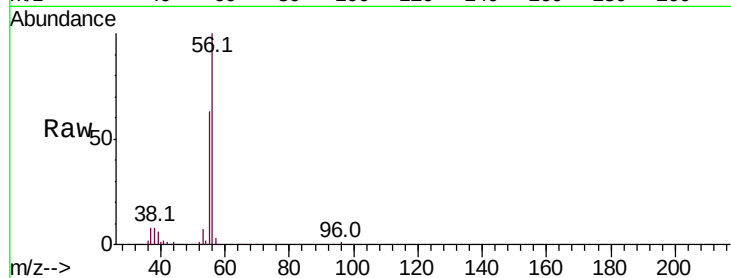
#13
Acrolein
Concen: 309.557 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	69823
Ion Ratio	Lower	Upper	
56	100		
55	67.8	55.7	83.5

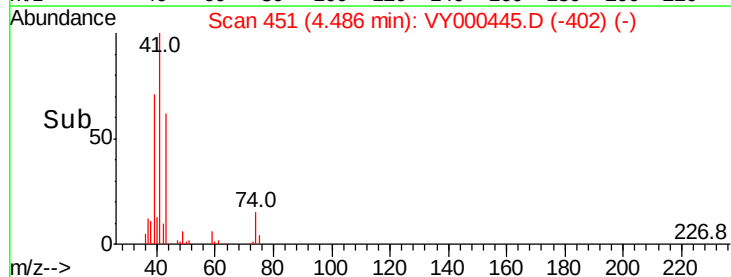
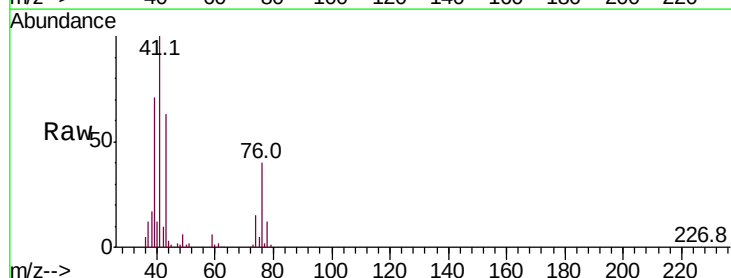
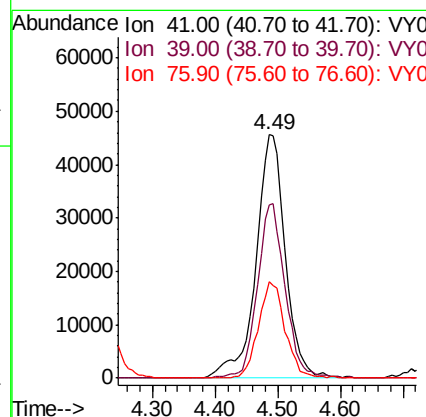
Manual Integrations
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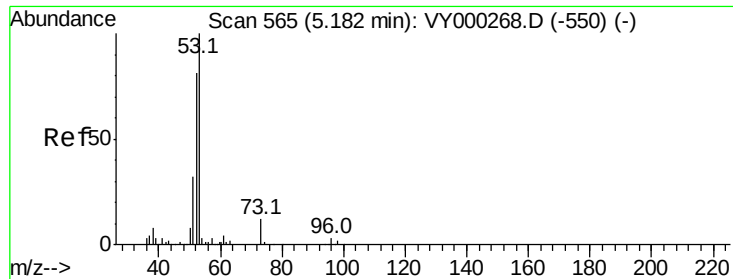
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#14
Allyl chloride
Concen: 50.629 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	41	Resp	147684
Ion Ratio	Lower	Upper	
41	100		
39	67.6	54.0	81.0
76	36.0	30.7	46.1





#15

Acrylonitrile

Concen: 289.672 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

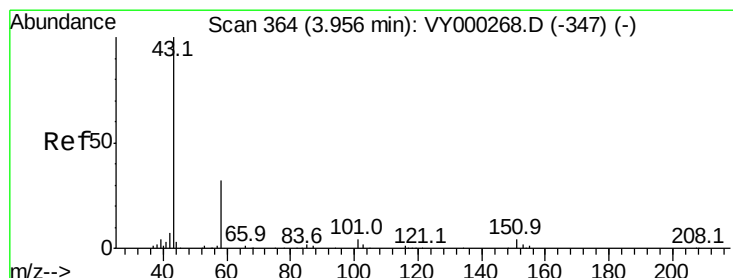
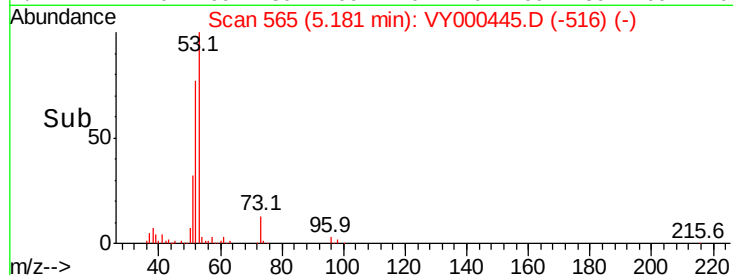
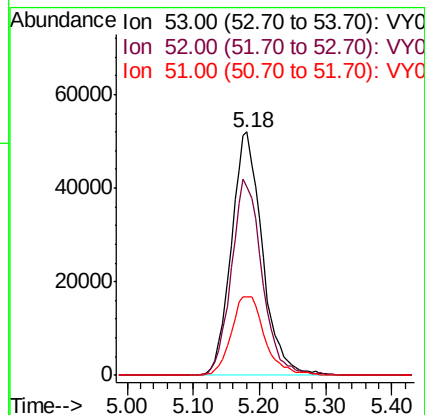
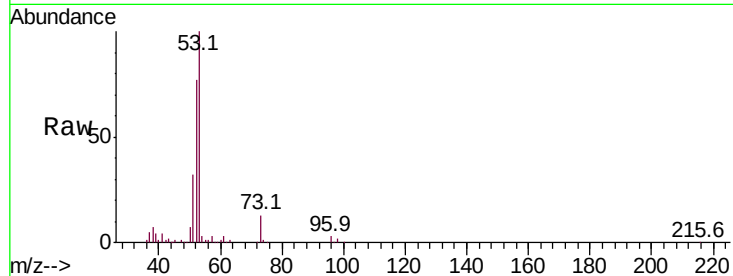
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	168396
Ion	Ratio	Lower	Upper
53	100		
52	79.7	62.9	94.3
51	35.1	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 250.945 ug/l

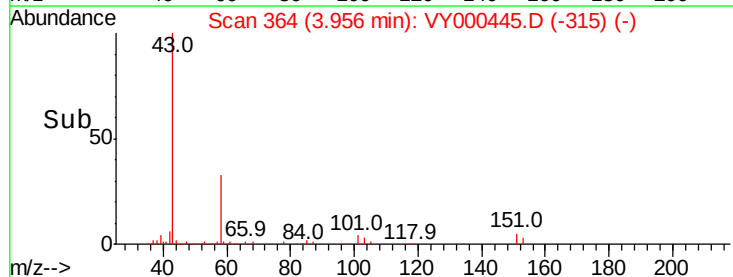
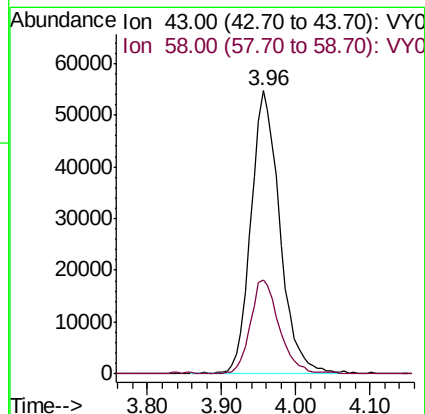
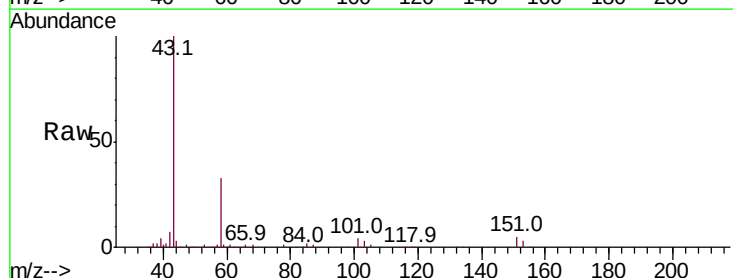
RT: 3.96 min Scan# 364

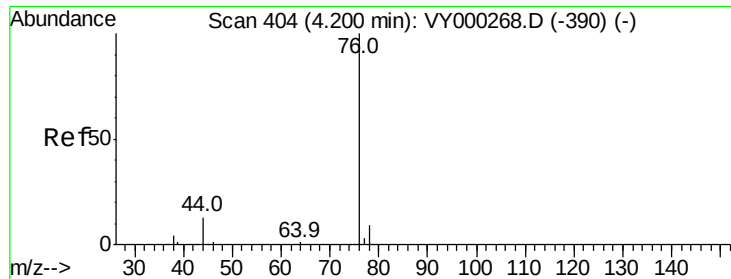
Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion:	43	Resp:	149401
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.8	38.6





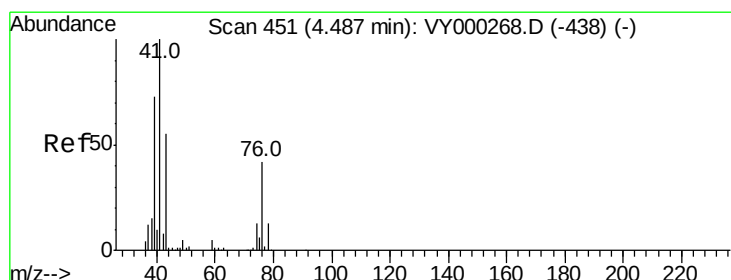
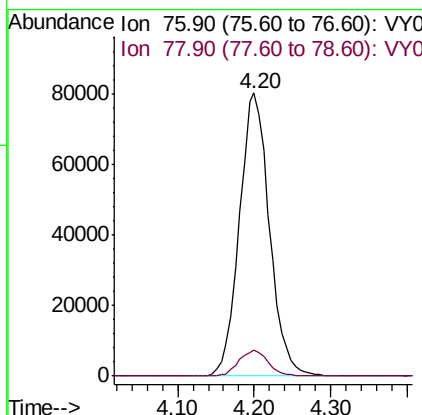
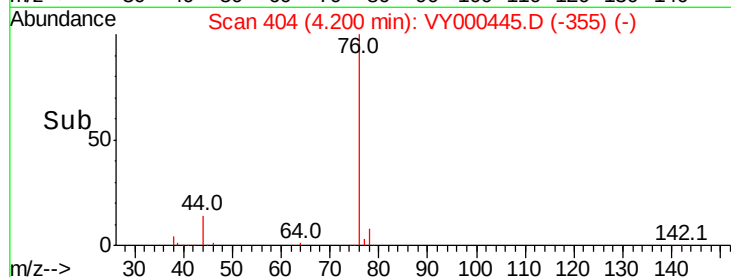
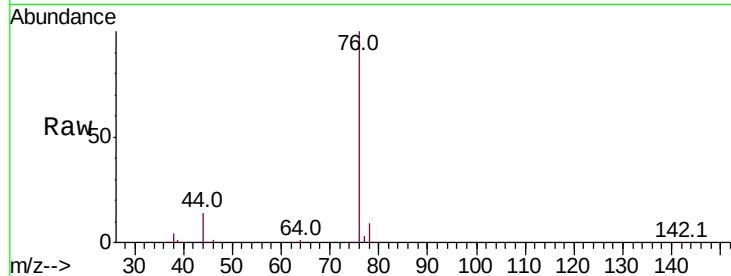
#17
Carbon Disulfide
Concen: 39.524 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 219042
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

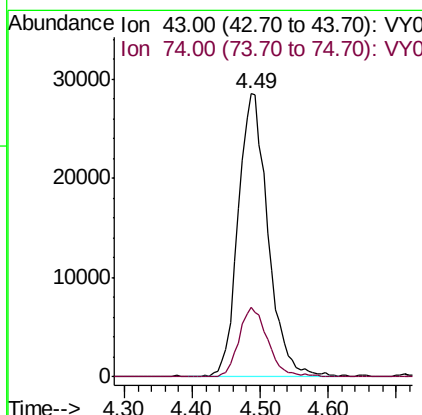
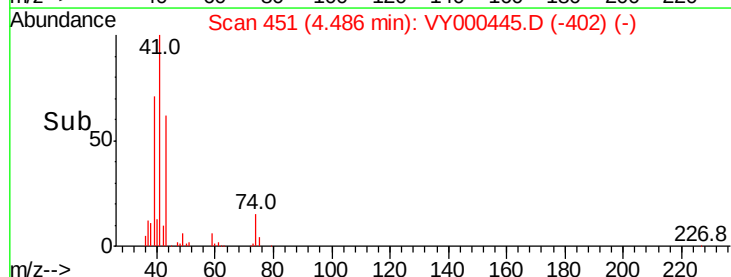
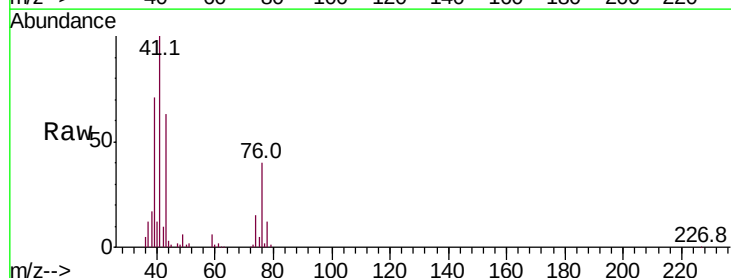
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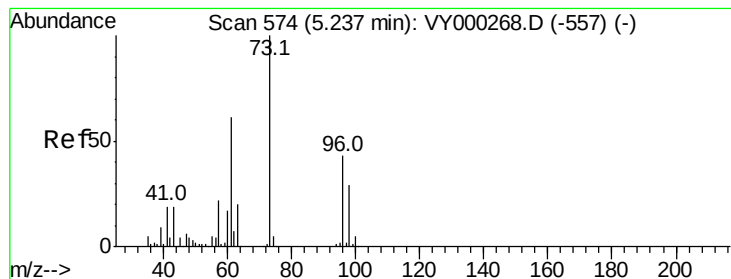
MMDadoda
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#18
Methyl Acetate
Concen: 58.911 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion: 43 Resp: 87143
Ion Ratio Lower Upper
43 100
74 23.7 20.4 30.6





#19

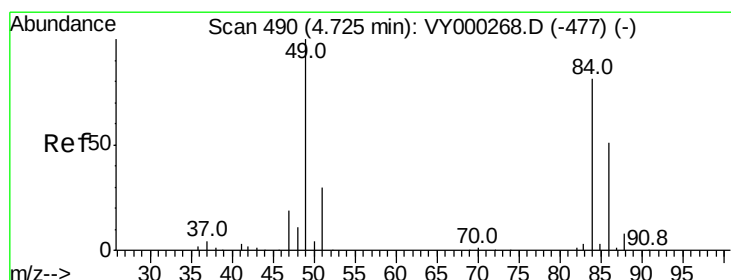
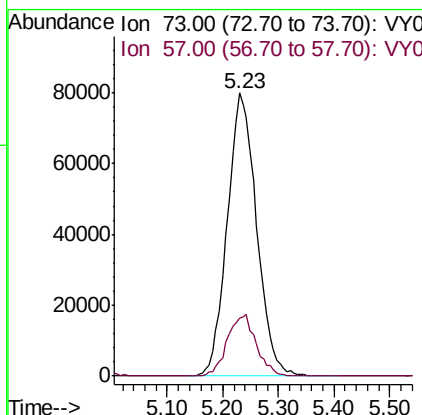
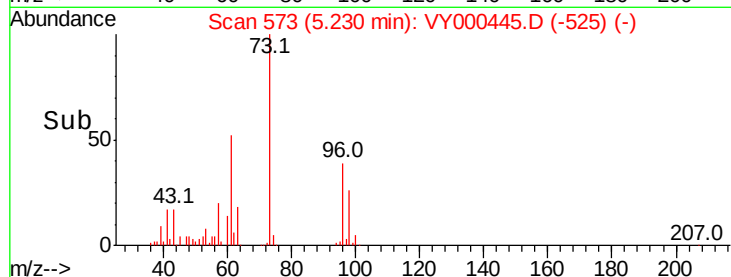
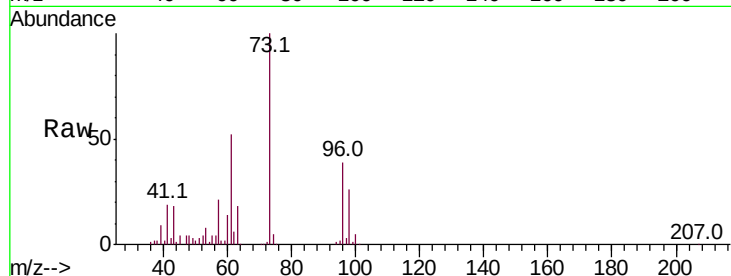
Methyl tert-butyl Ether
 Concen: 59.531 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0

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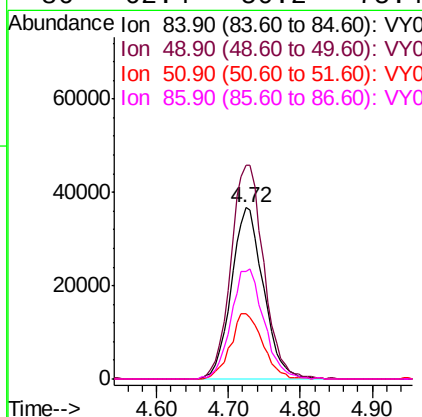
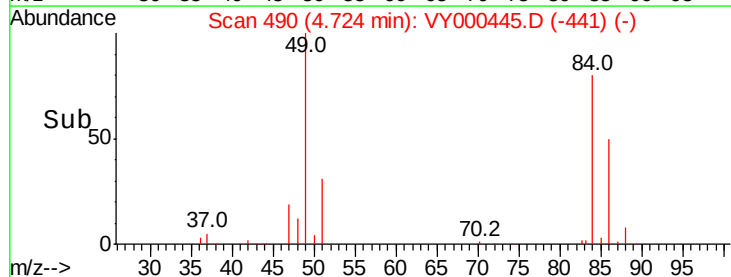
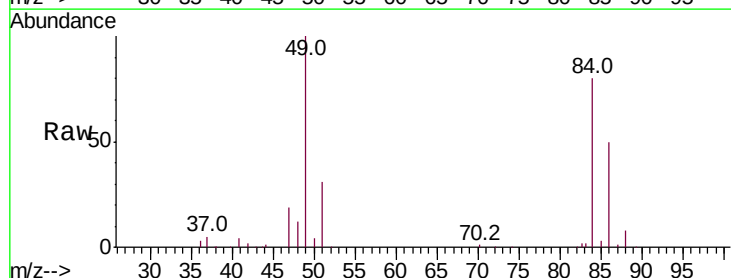
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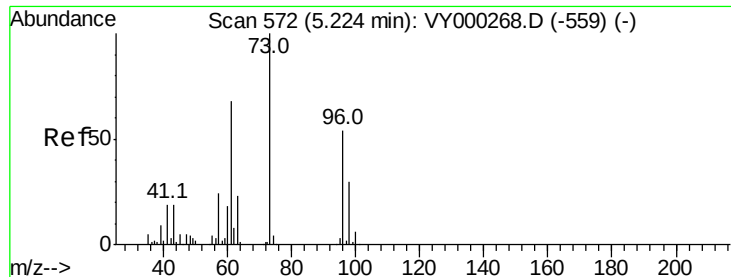


#20

Methylene Chloride
 Concen: 57.542 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	99.0	148.4
51	38.1	29.3	43.9
86	62.4	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 49.386 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 99733

Ion Ratio Lower Upper

96 100

61 134.9 100.4 150.6

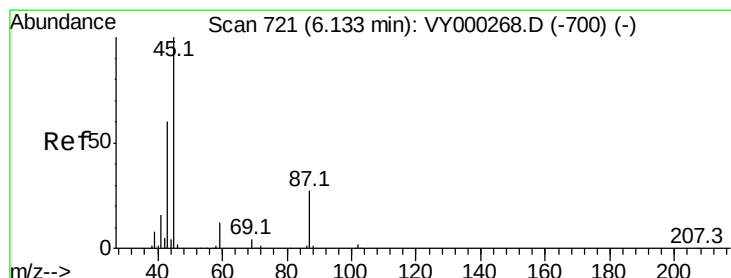
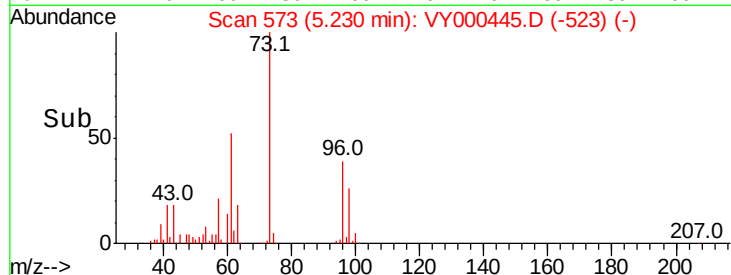
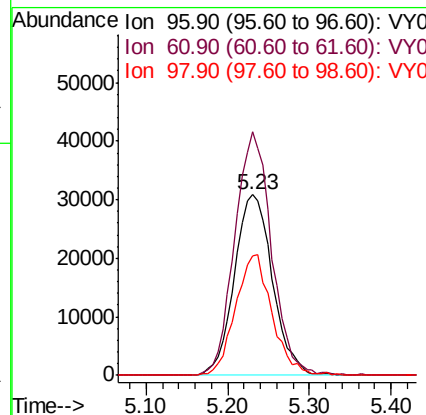
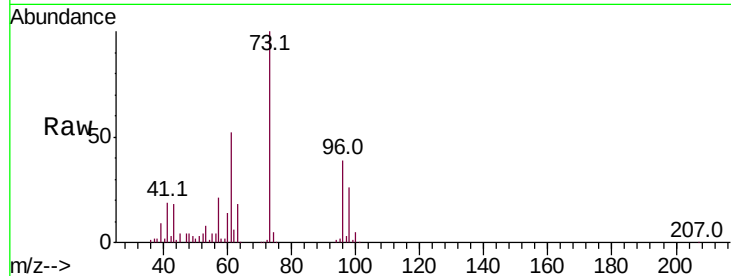
98 66.2 44.6 66.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 58.479 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion: 45 Resp: 360783

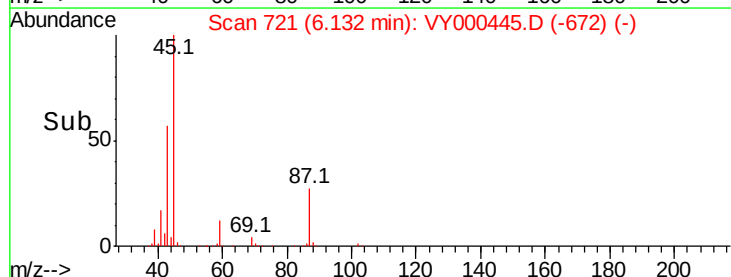
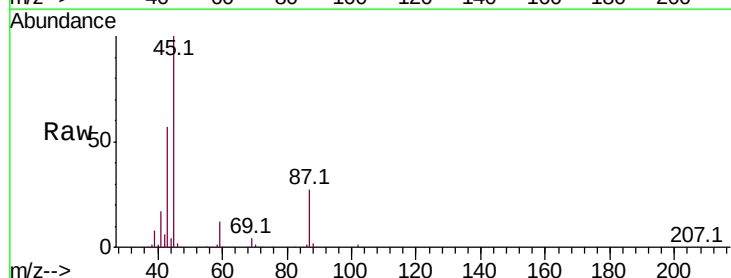
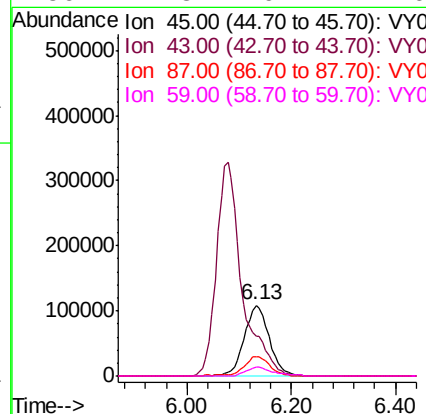
Ion Ratio Lower Upper

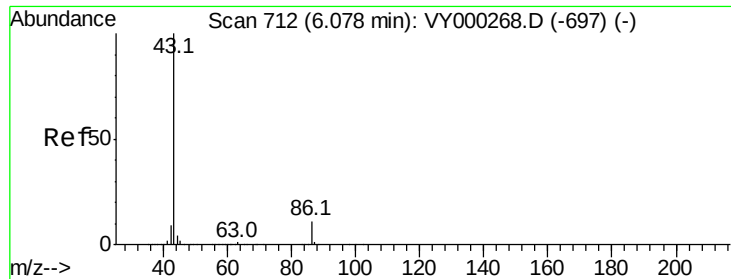
45 100

43 56.6 48.5 72.7

87 27.2 21.5 32.3

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 278.932 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1122668

Ion Ratio Lower Upper

43 100

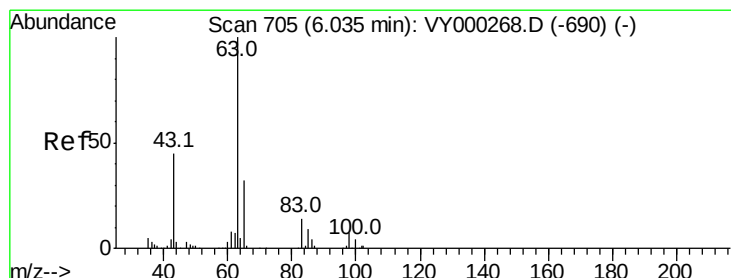
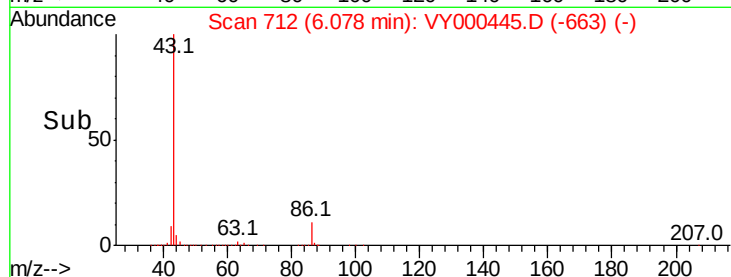
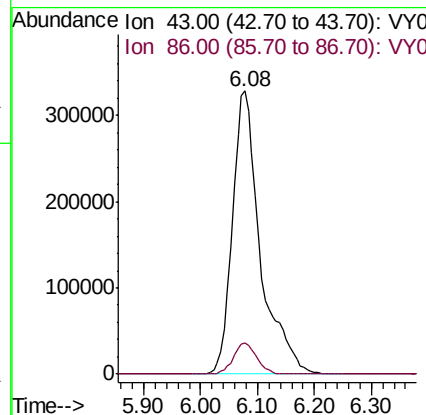
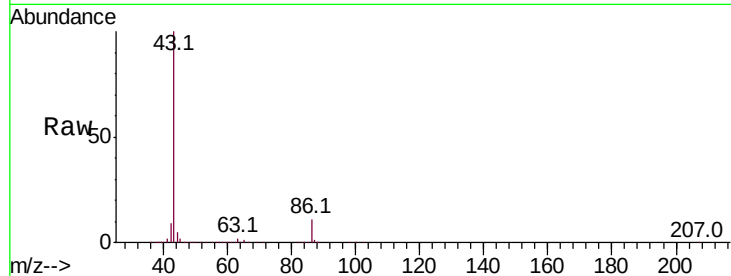
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.296 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

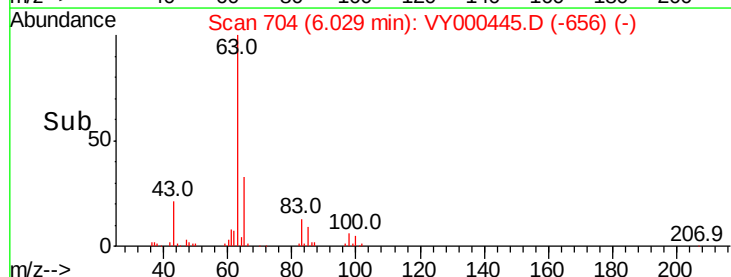
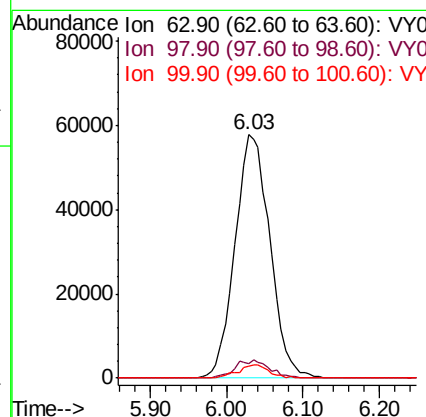
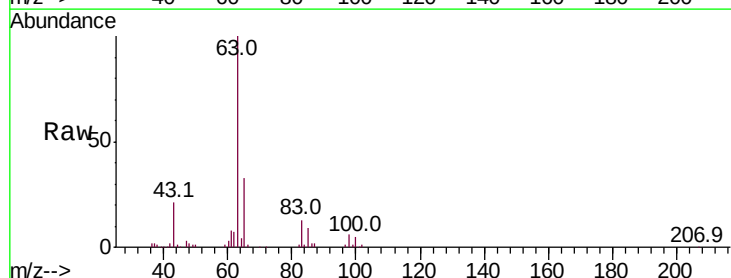
Tgt Ion: 63 Resp: 182845

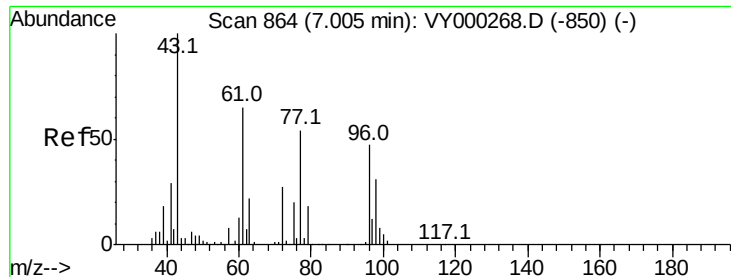
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 275.552 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 231095

Ion Ratio Lower Upper

43 100

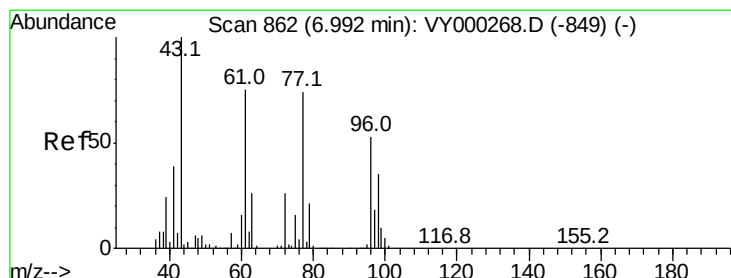
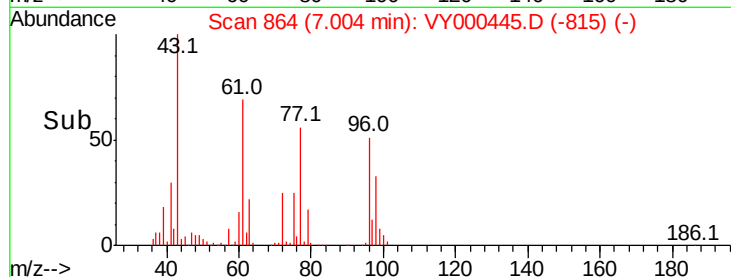
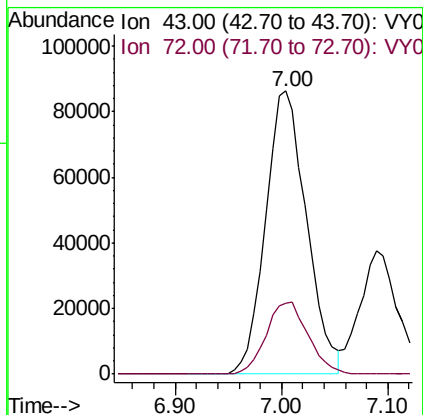
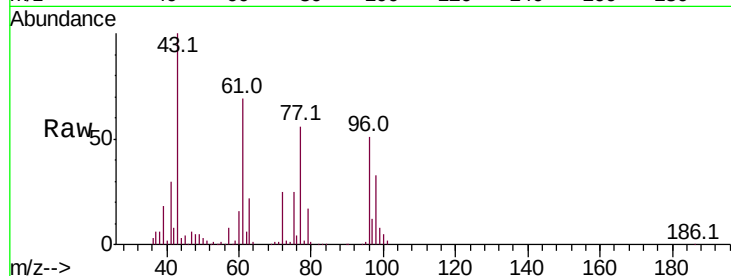
72 25.2 21.4 32.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.270 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000445.D

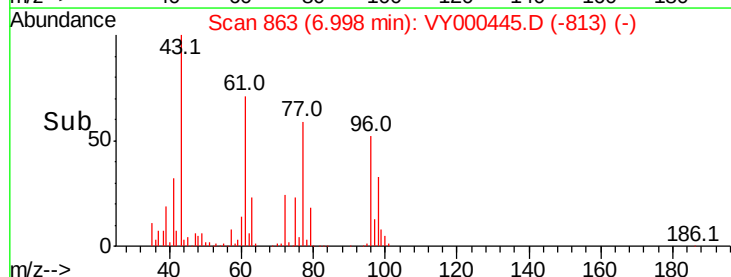
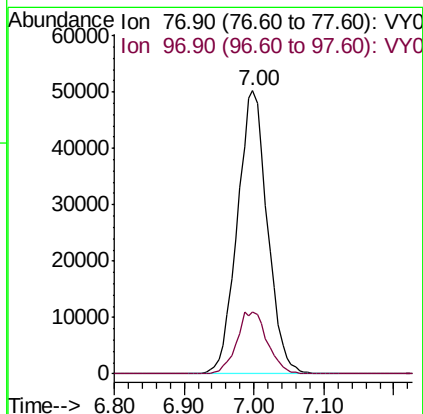
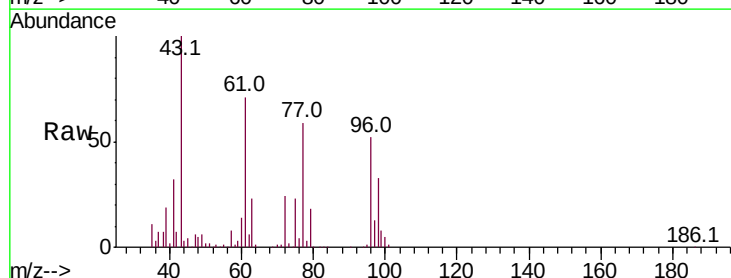
Acq: 25 Oct 2019 21:29

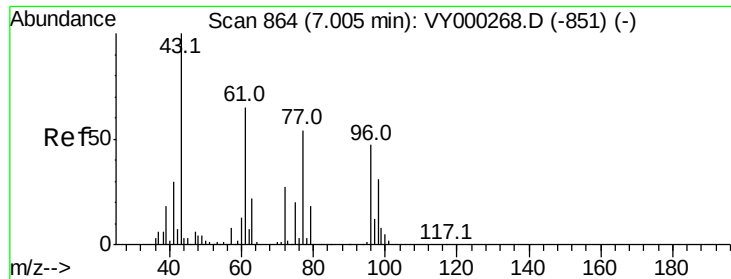
Tgt Ion: 77 Resp: 149785

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

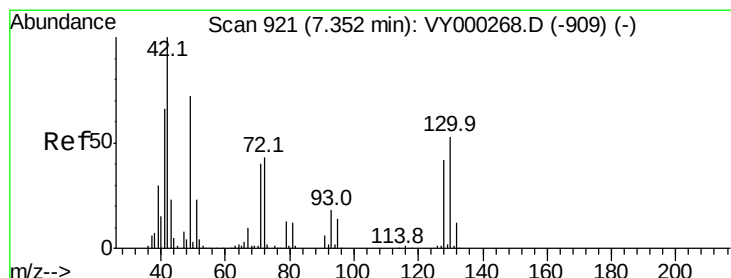
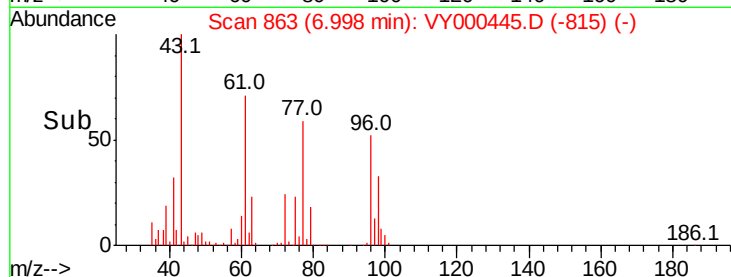
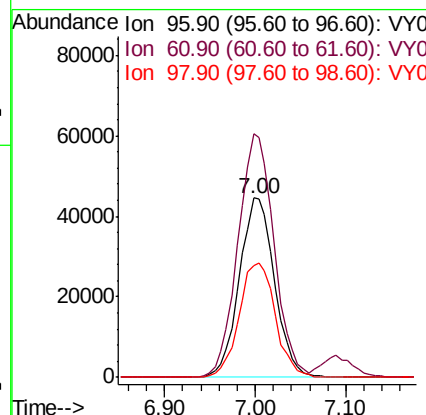
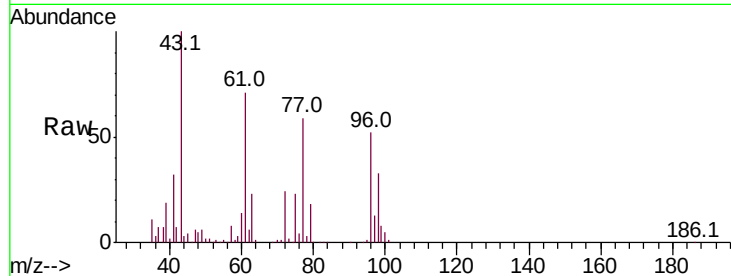
cis-1,2-Dichloroethene
Concen: 55.227 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.6	0.0	289.8	
98	65.6	0.0	131.8	

Manual Integrations
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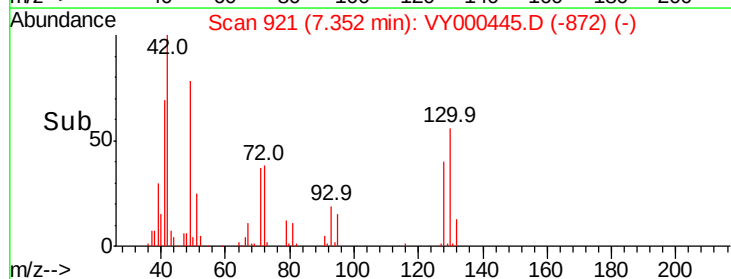
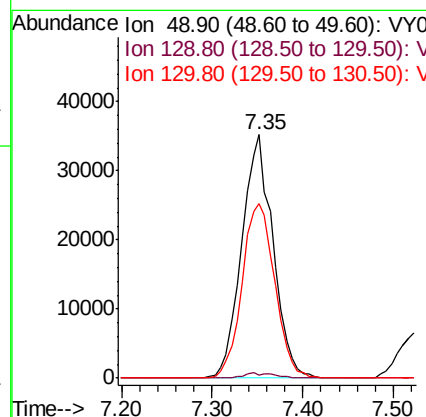
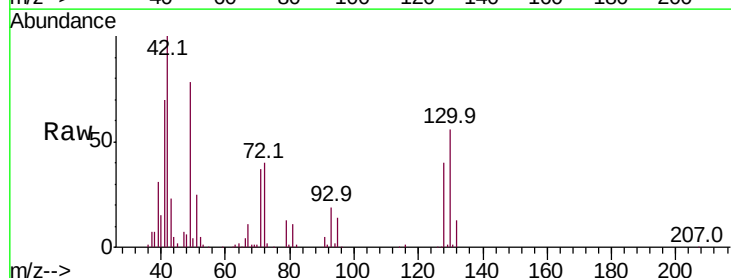
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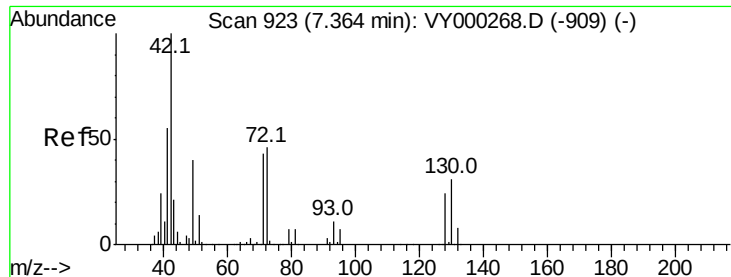


#28

Bromochloromethane
Concen: 58.395 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	75.0	58.2	87.2	





#29

Tetrahydrofuran

Concen: 288.491 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 146629

Ion Ratio Lower Upper

42 100

72 41.3 34.5 51.7

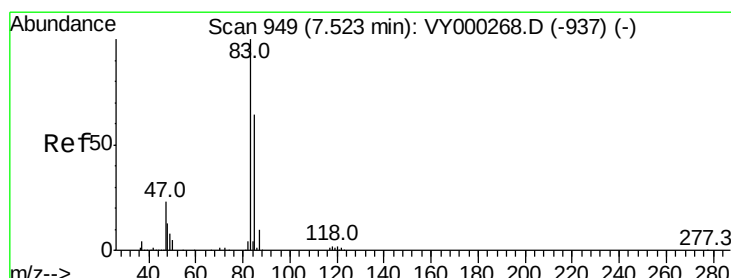
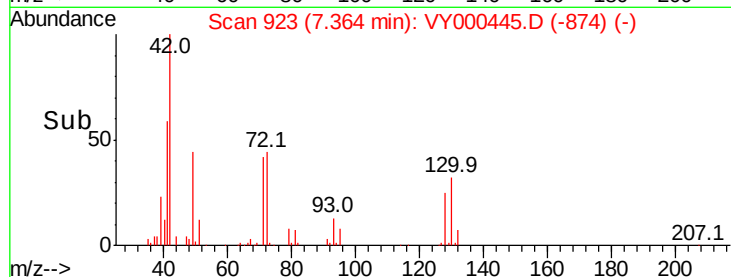
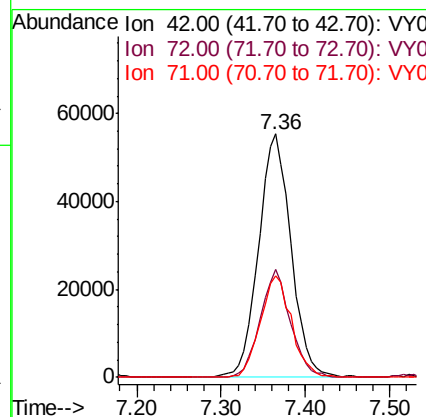
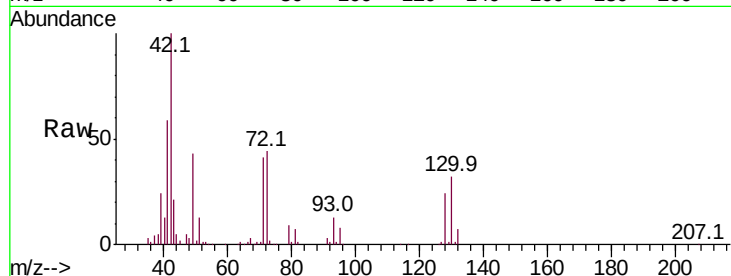
71 40.2 32.7 49.1

Manual Integrations

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#30

Chloroform

Concen: 56.514 ug/l

RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

Lab File: VY000445.D

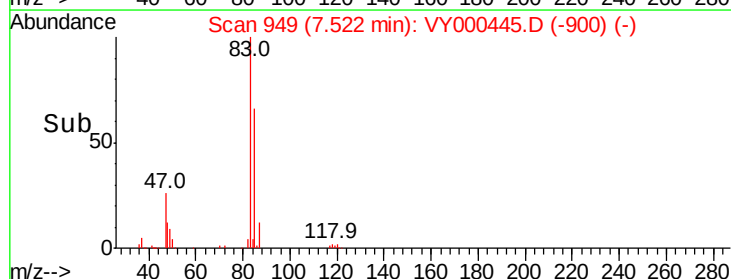
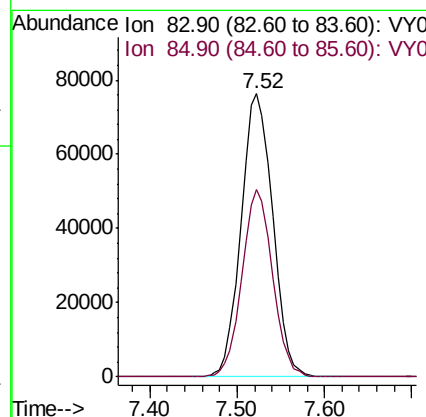
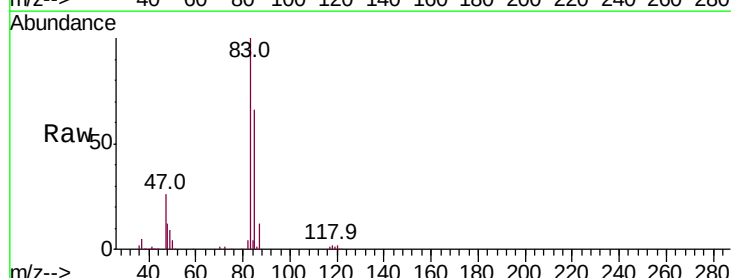
Acq: 25 Oct 2019 21:29

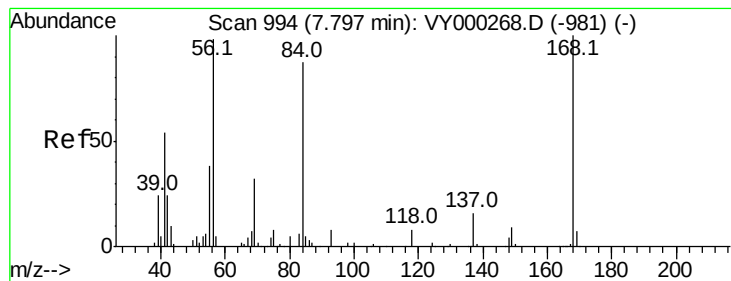
Tgt Ion: 83 Resp: 191659

Ion Ratio Lower Upper

83 100

85 66.0 51.4 77.2





#31

Cyclohexane

Concen: 42.986 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 151189

Ion Ratio Lower Upper

56 100

69 33.6 26.3 39.5

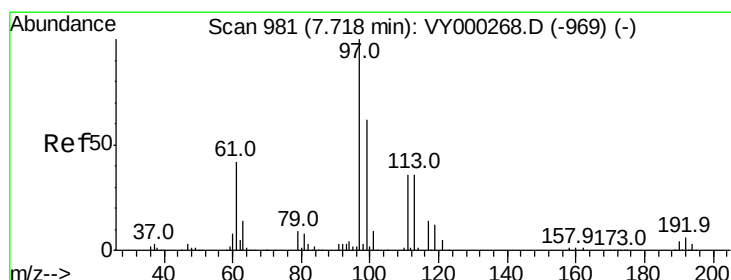
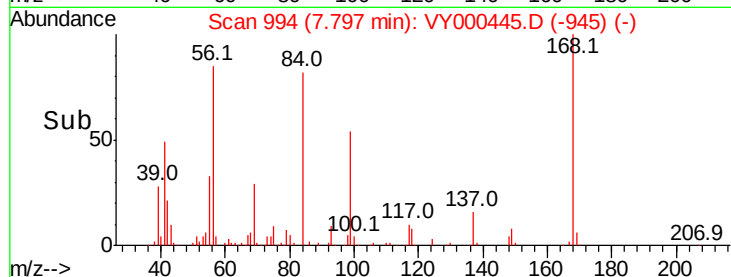
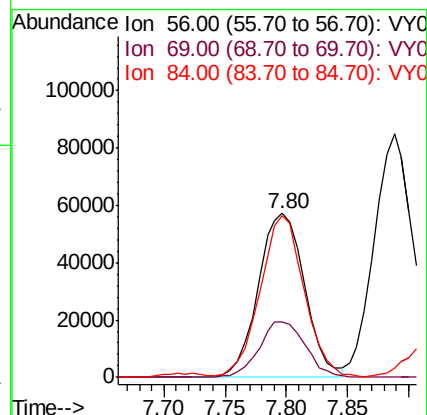
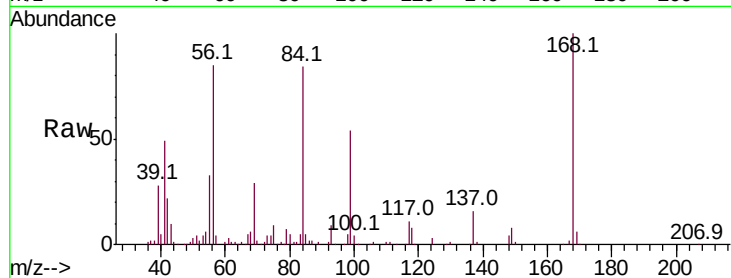
84 96.1 70.8 106.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 53.743 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

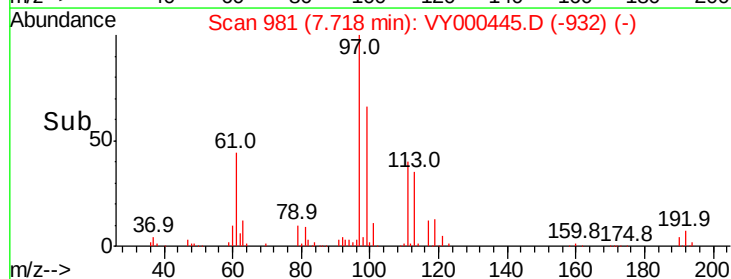
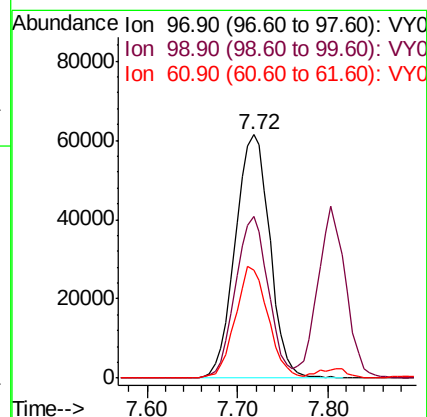
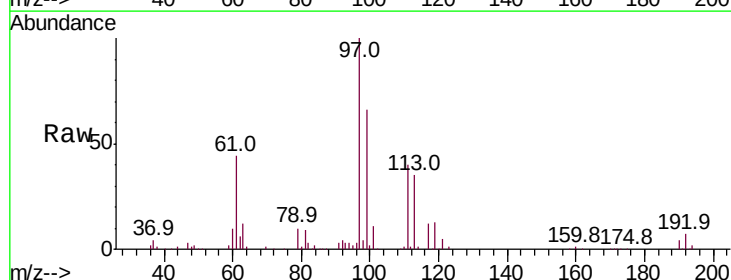
Tgt Ion: 97 Resp: 162036

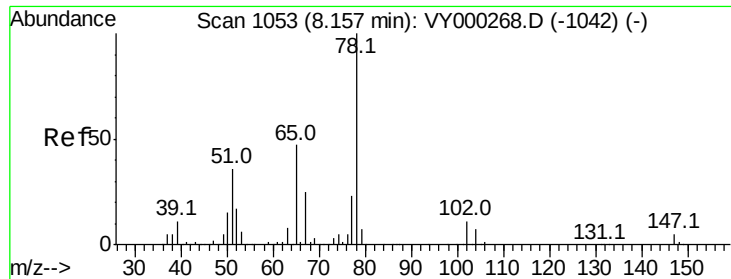
Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 43.6 34.5 51.7





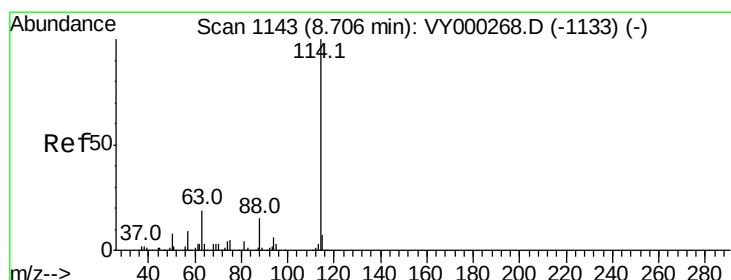
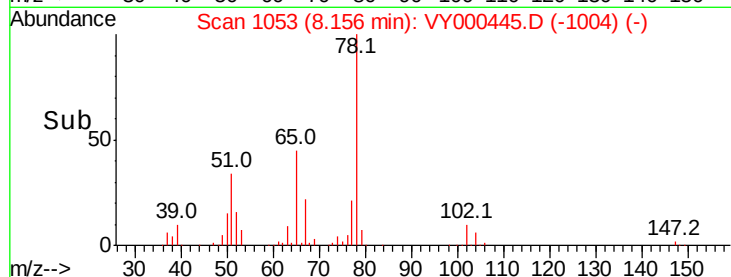
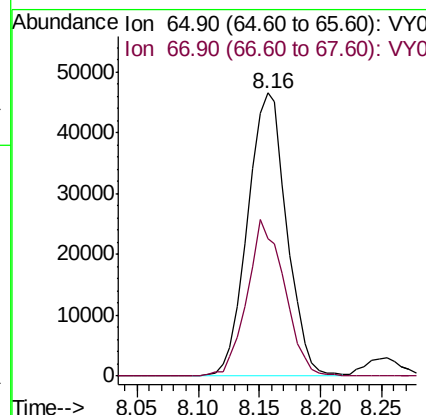
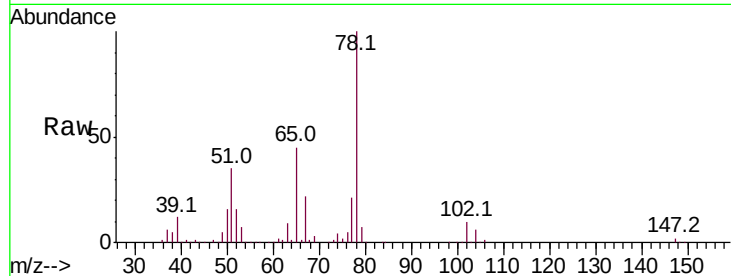
#33
 1,2-Dichloroethane-d4
 Concen: 56.225 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	109.4

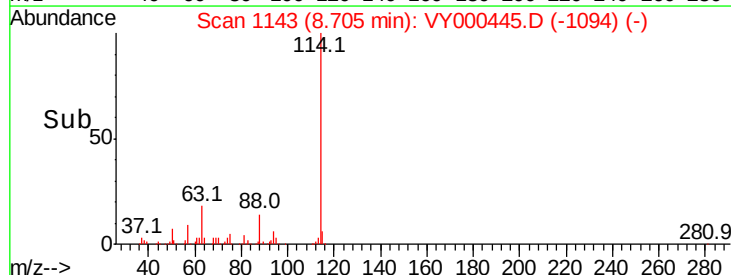
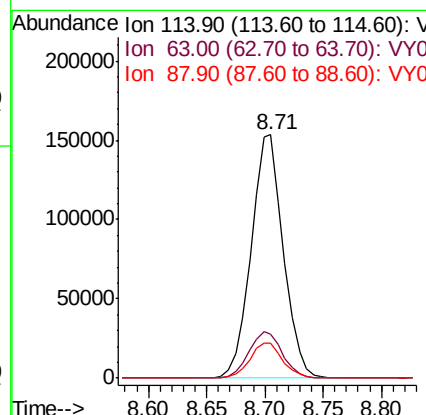
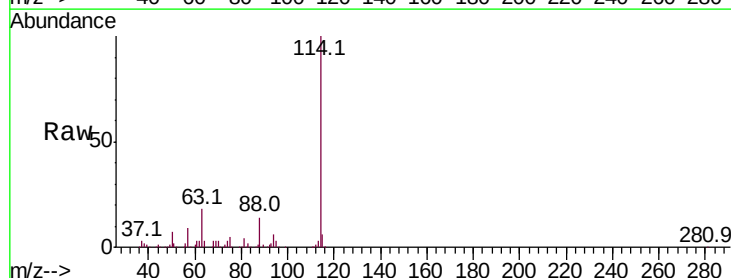
Manual Integrations
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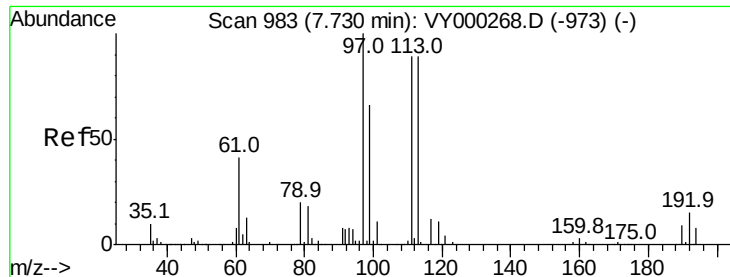
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	37.2
88	14.1	0.0	30.2





#35

Dibromofluoromethane

Concen: 52.353 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 92847

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

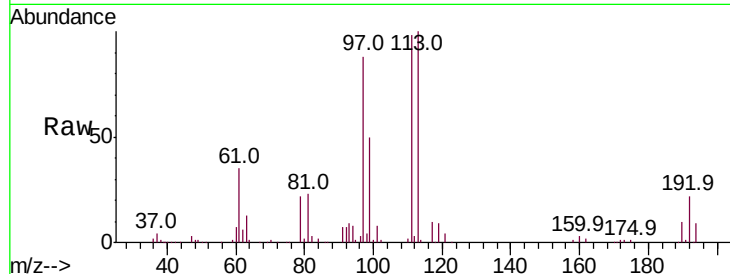
192 19.9 15.3 22.9

Manual Integrations

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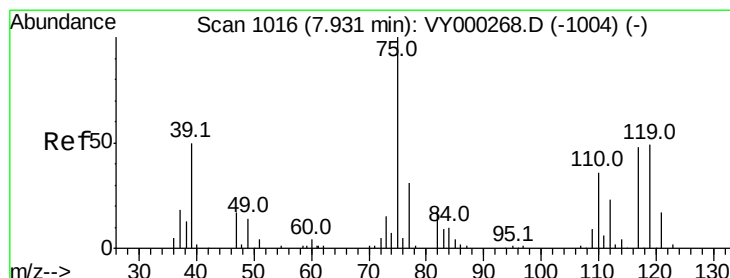
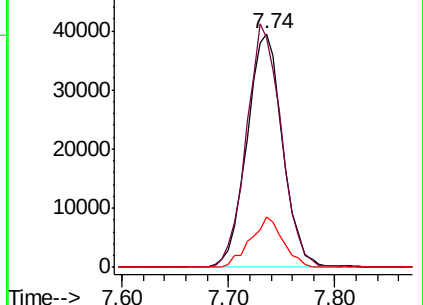
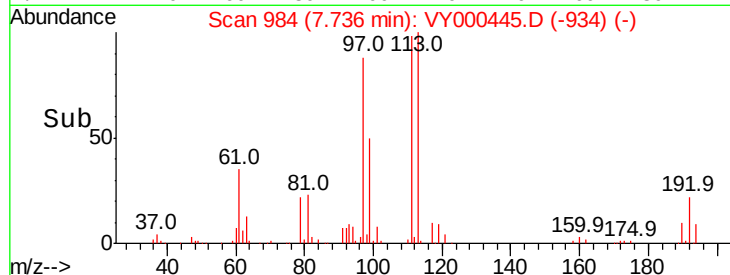
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.273 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

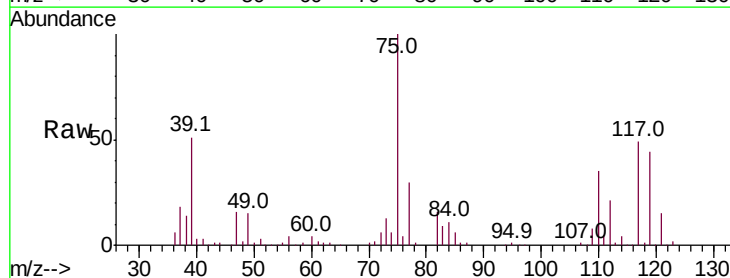
Tgt Ion: 75 Resp: 136076

Ion Ratio Lower Upper

75 100

110 35.8 18.4 55.4

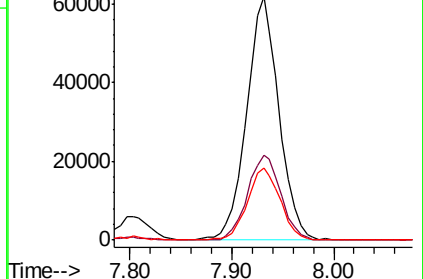
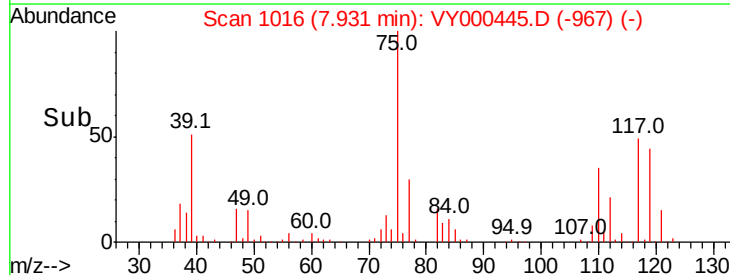
77 30.1 25.0 37.6

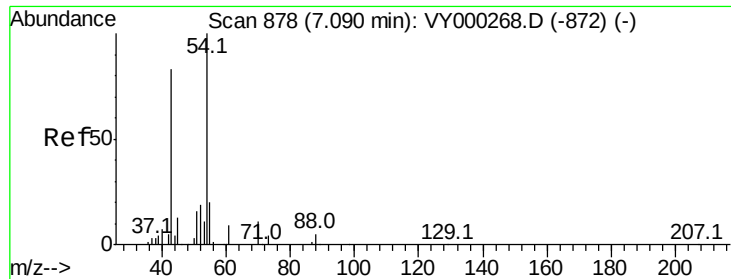


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





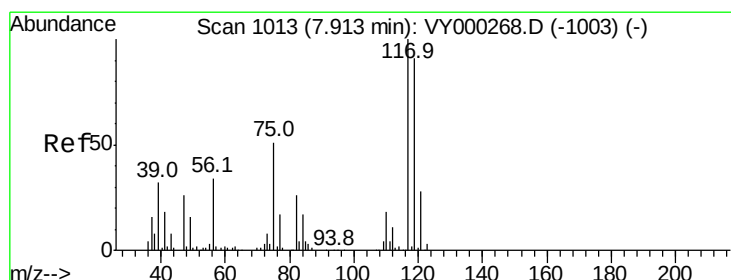
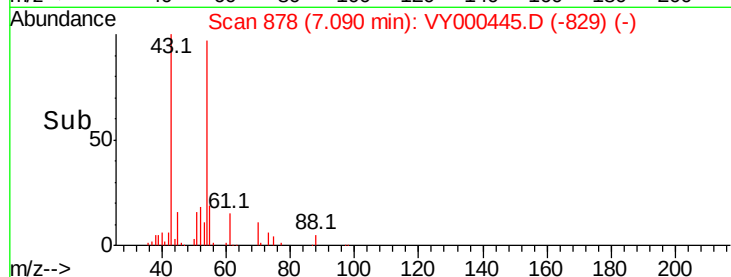
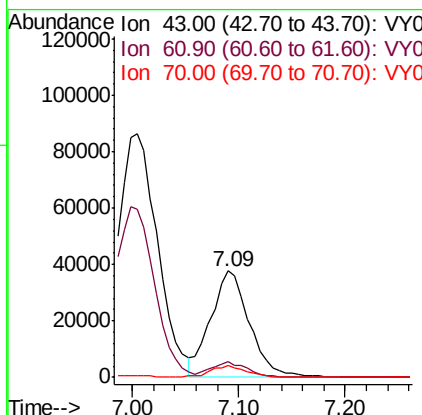
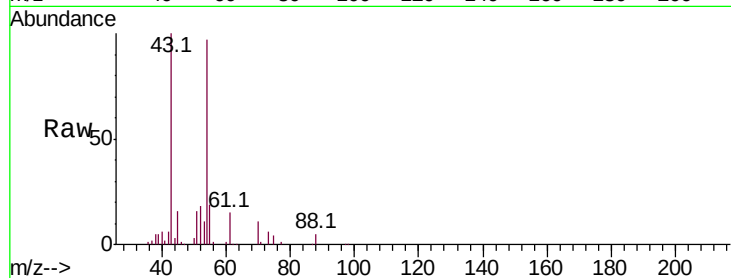
#37
Ethyl Acetate
Concen: 56.008 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.1	18.1
70	10.4	8.7	13.1

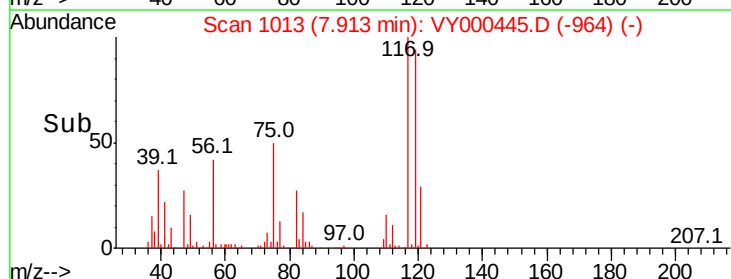
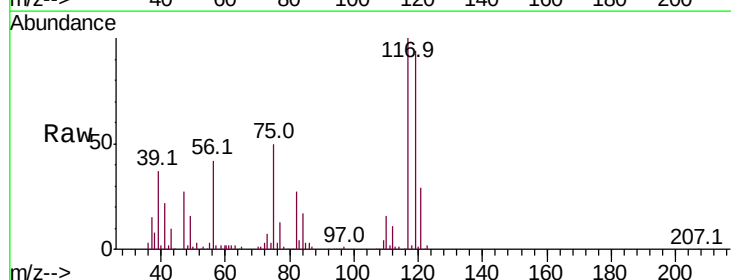
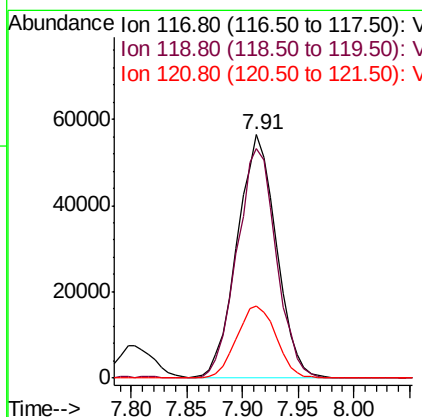
Manual Integrations
APPROVED

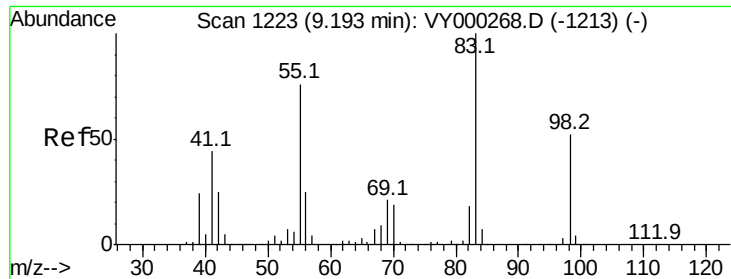
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#38
Carbon Tetrachloride
Concen: 49.512 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	72.8	109.2
121	29.4	22.2	33.2





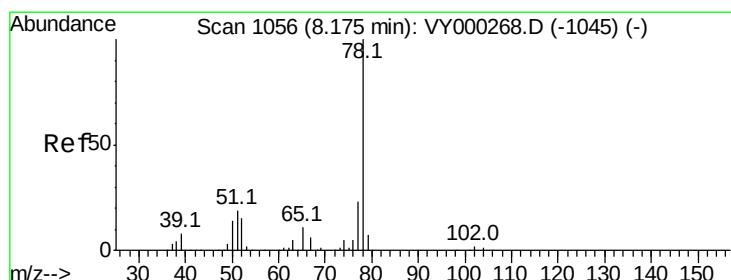
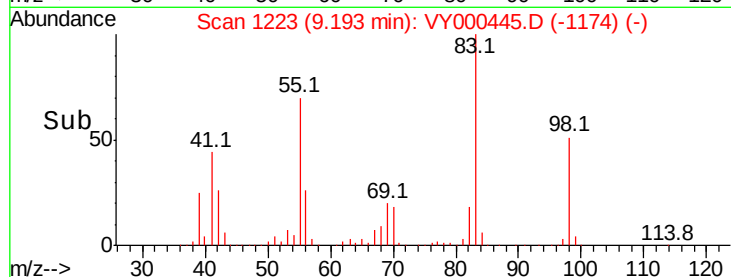
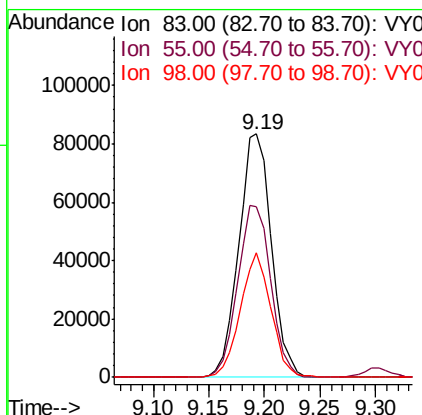
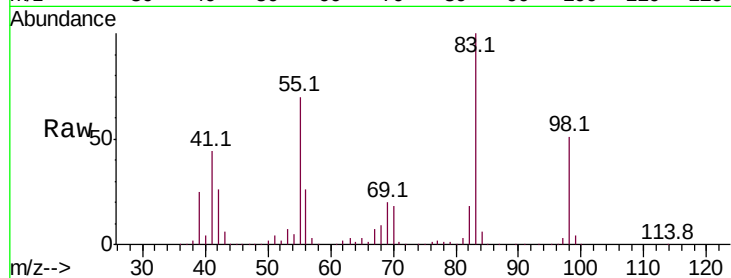
#39
Methylvlcyclohexane
Concen: 45.052 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	60.9	91.3
98	51.3	41.8	62.6

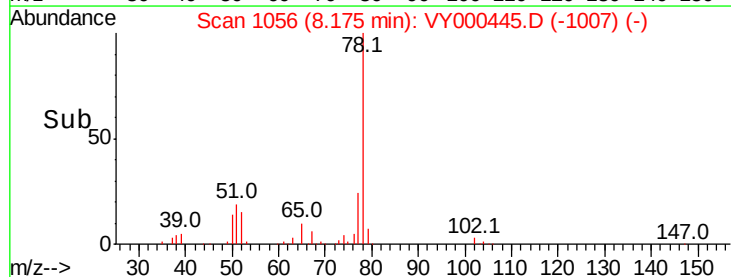
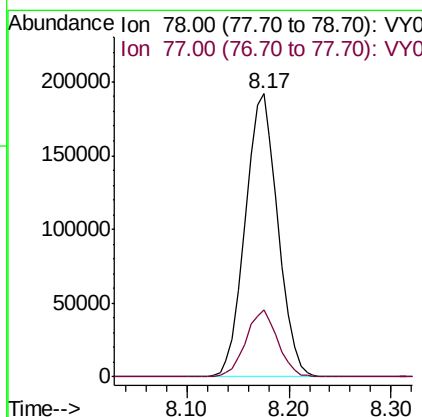
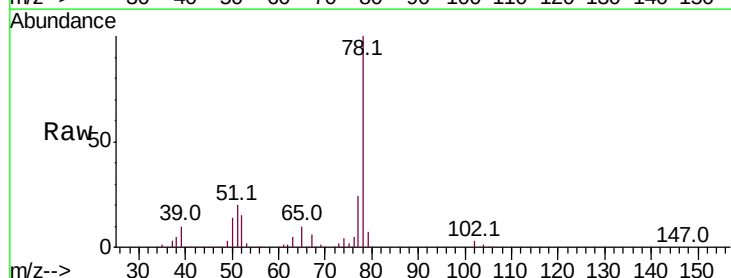
Manual Integrations
APPROVED

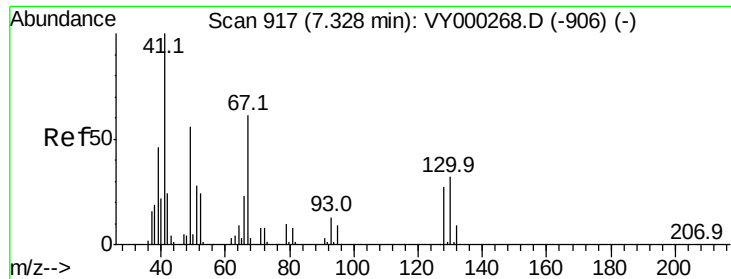
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#40
Benzene
Concen: 51.359 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





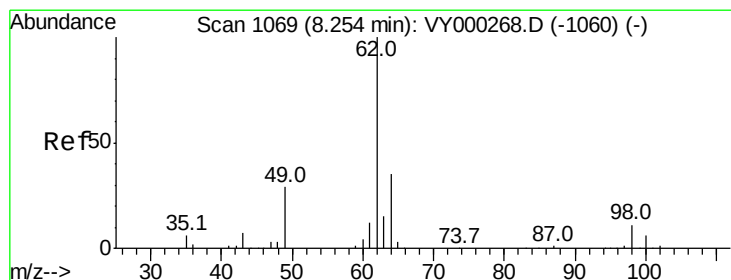
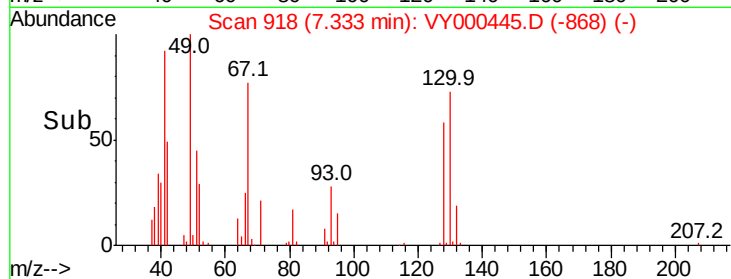
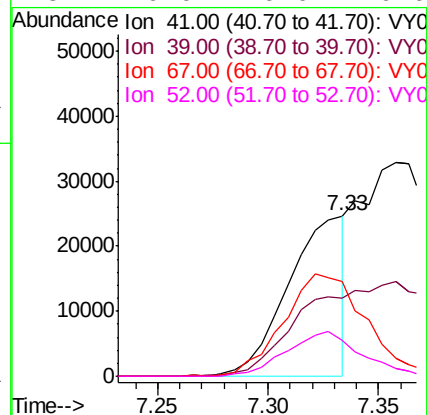
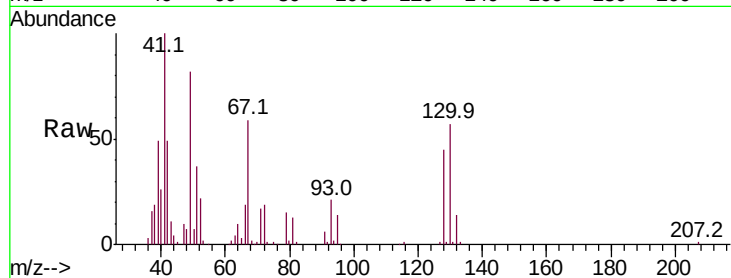
#41
Methacrylonitrile
Concen: 55.037 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	141.1	110.2	165.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

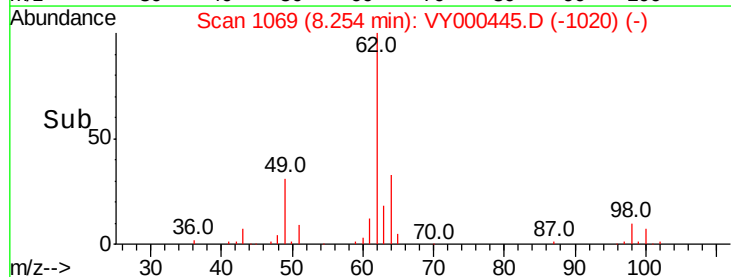
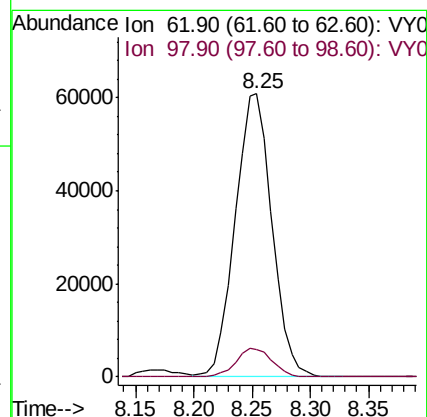
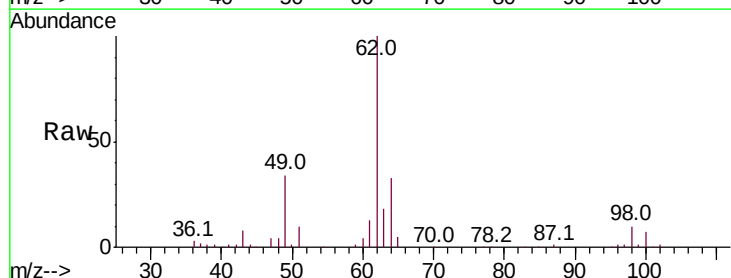
Manual Integrations
APPROVED

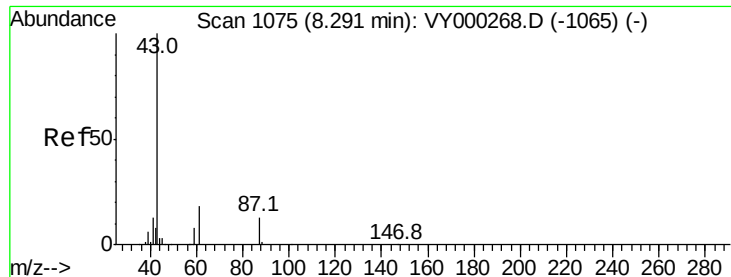
MMDadoda
10/28/2019 12:38:45 PM



#42
1,2-Dichloroethane
Concen: 56.363 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 56.322 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

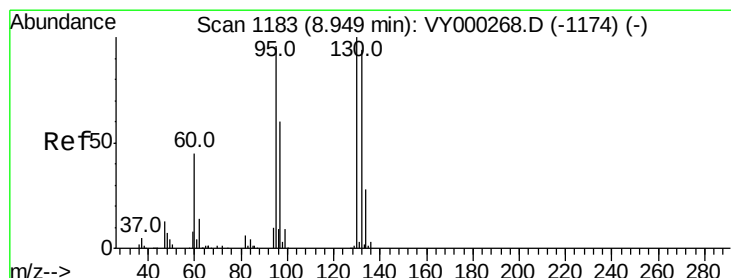
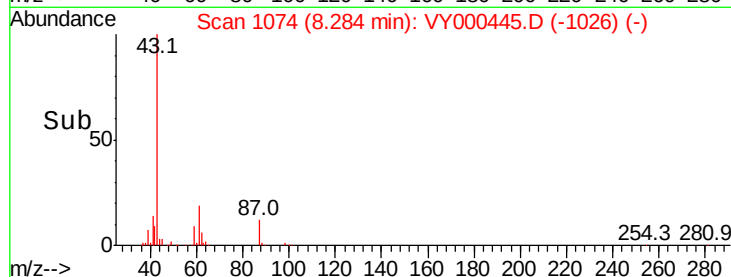
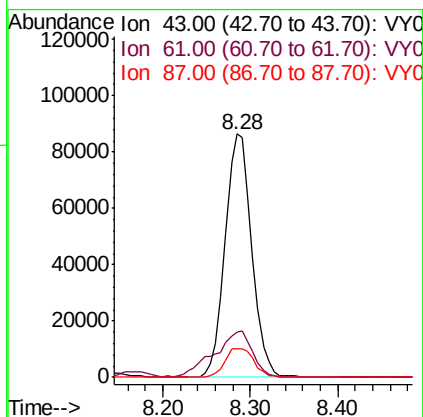
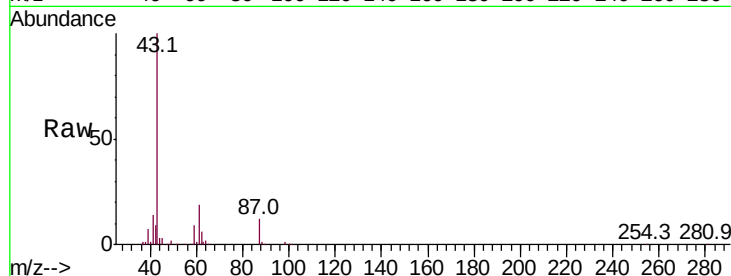
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	182528
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.3	33.5
87	13.2	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 48.712 ug/l

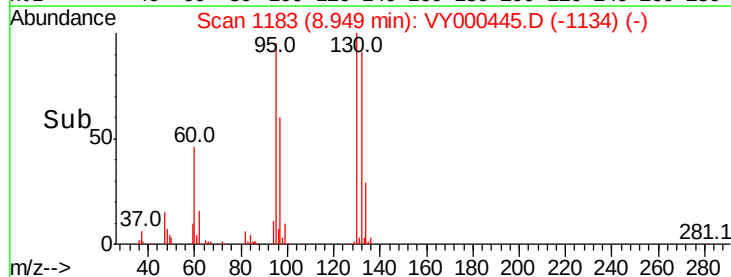
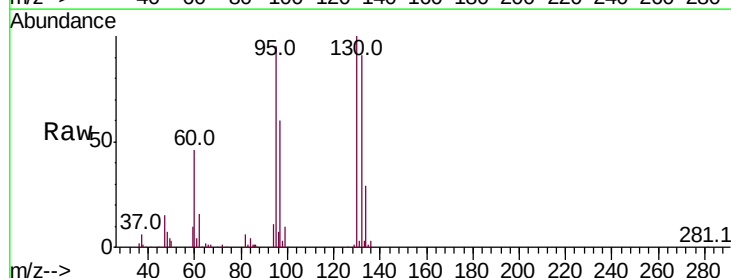
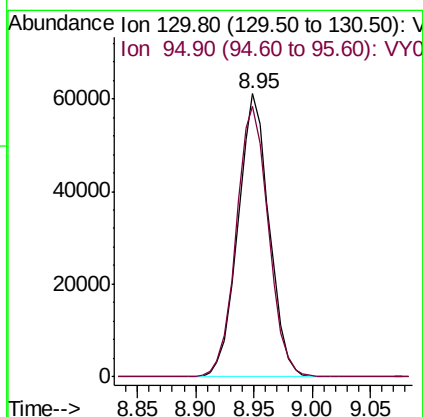
RT: 8.95 min Scan# 1183

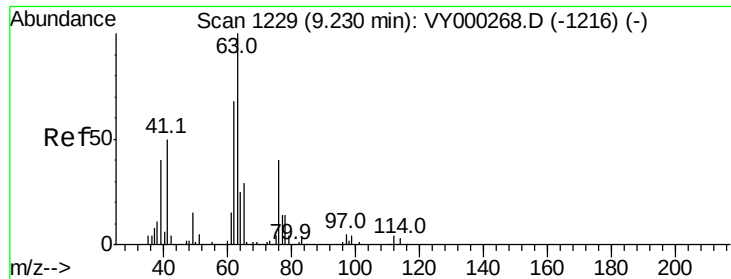
Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion:	130	Resp:	113697
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.4





#45

1,2-Dichloropropane

Concen: 56.288 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 114907

Ion Ratio Lower Upper

63 100

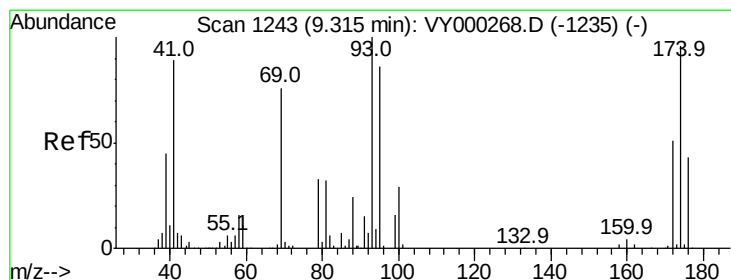
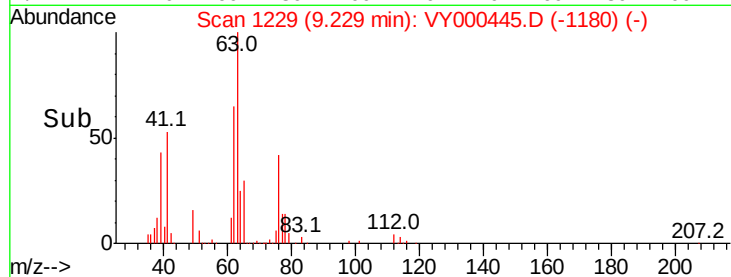
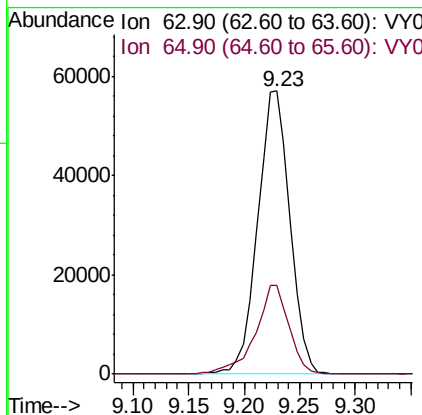
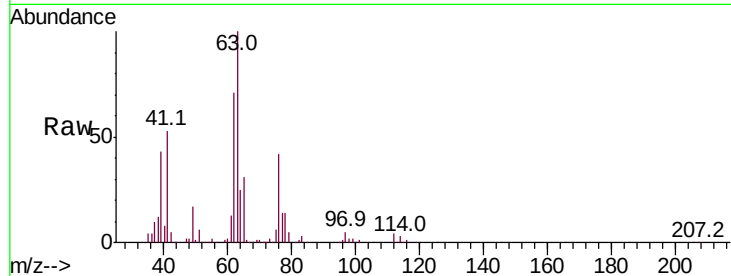
65 31.2 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 56.232 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

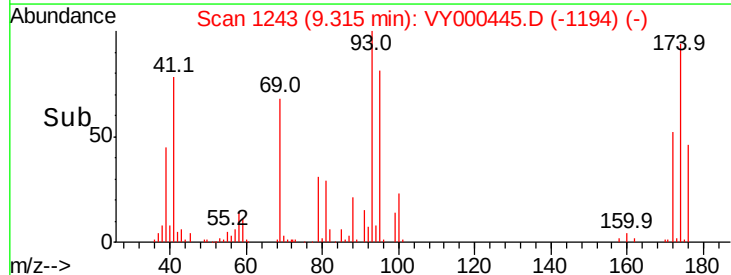
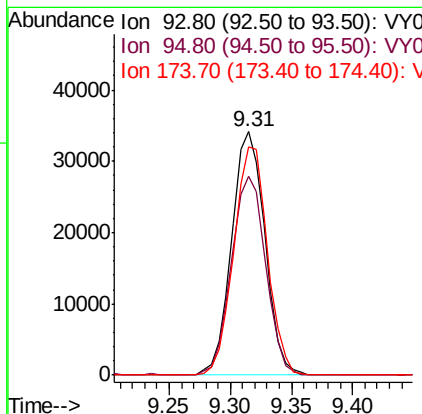
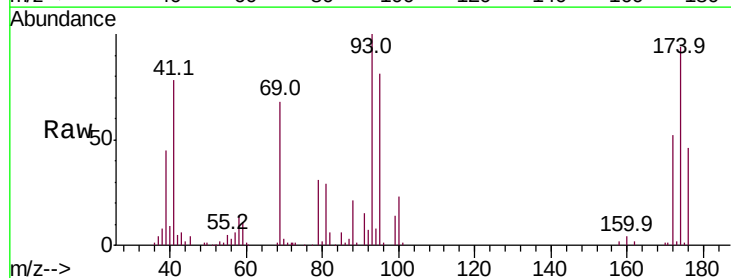
Tgt Ion: 93 Resp: 64171

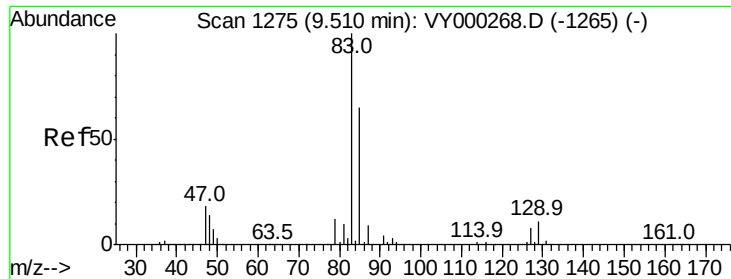
Ion Ratio Lower Upper

93 100

95 83.8 68.2 102.2

174 94.9 79.8 119.6





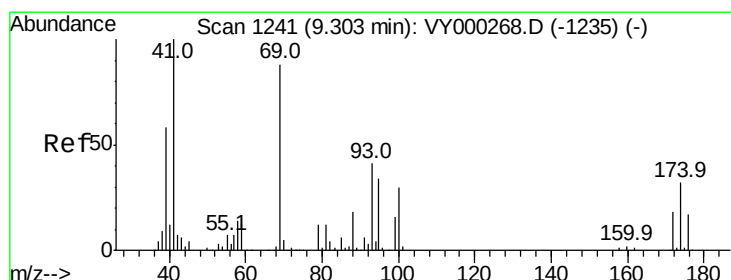
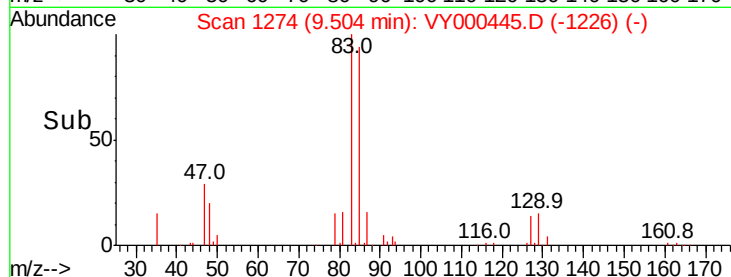
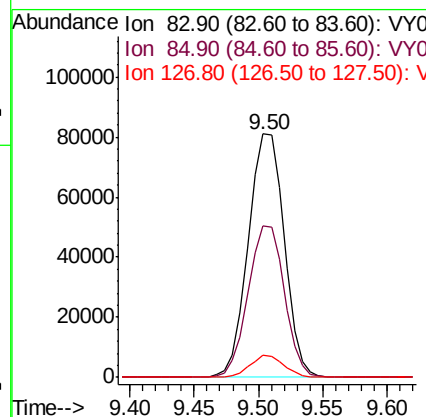
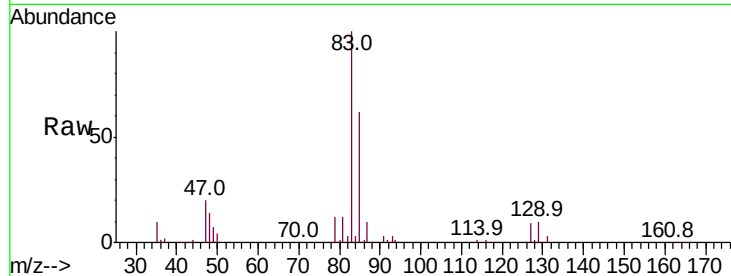
#47
Bromodichloromethane
Concen: 57.990 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.2
127	9.0	6.3	9.5

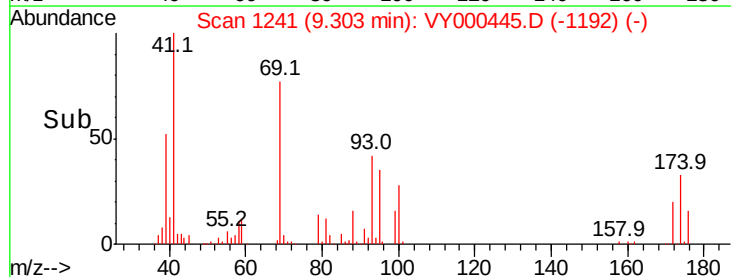
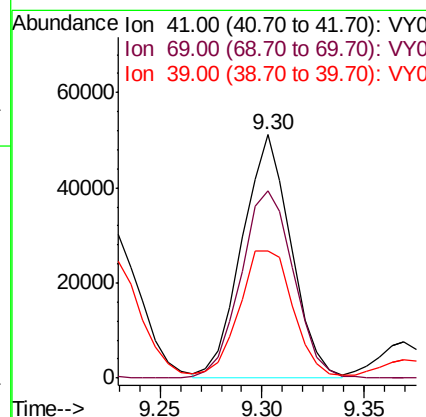
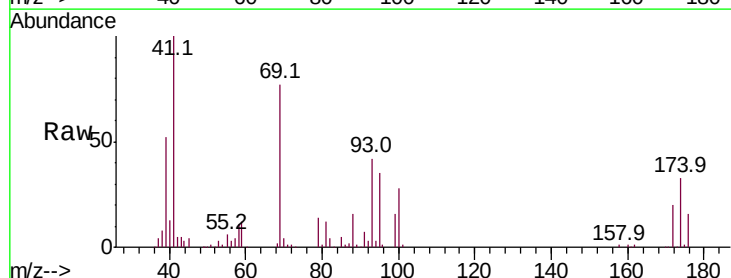
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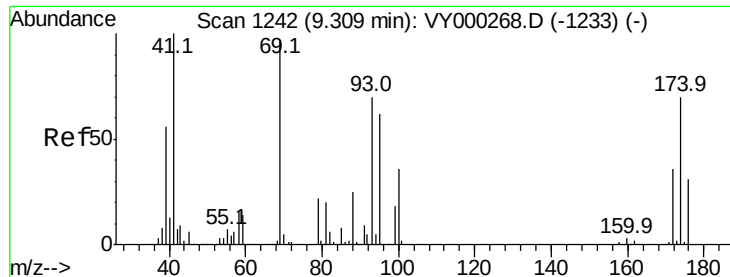
MMDadoda
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#48
Methyl methacrylate
Concen: 60.128 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	70.0	105.0
39	58.2	47.7	71.5





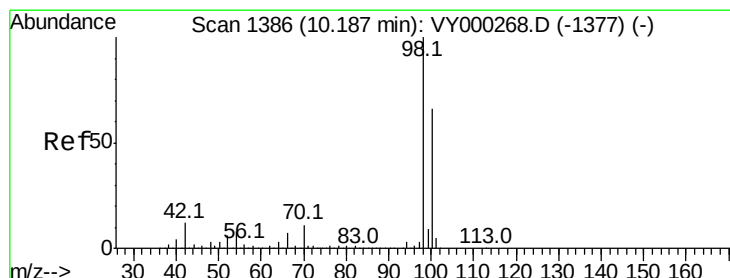
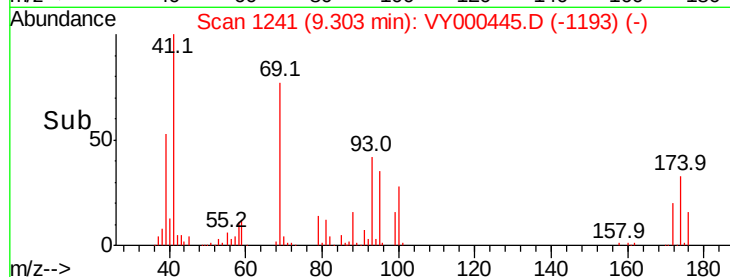
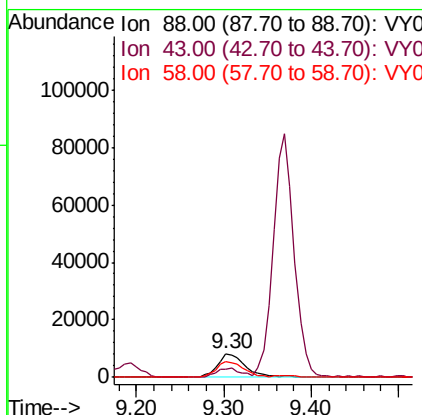
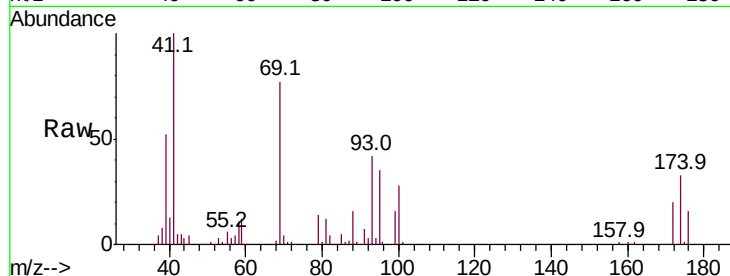
#49
1,4-Dioxane
Concen: 1052.976 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	18017
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.6	38.4
58	69.1	54.6	81.8

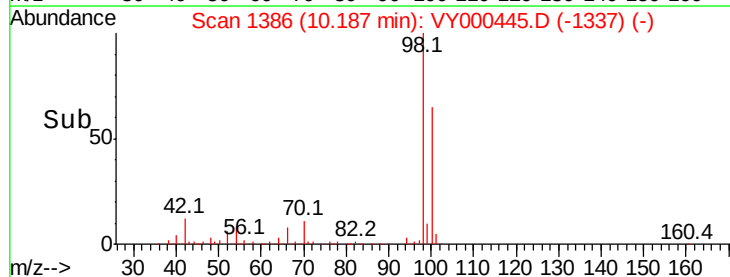
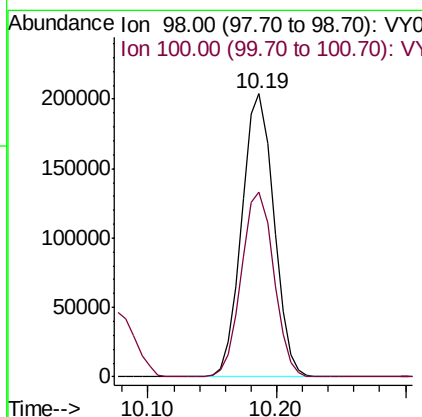
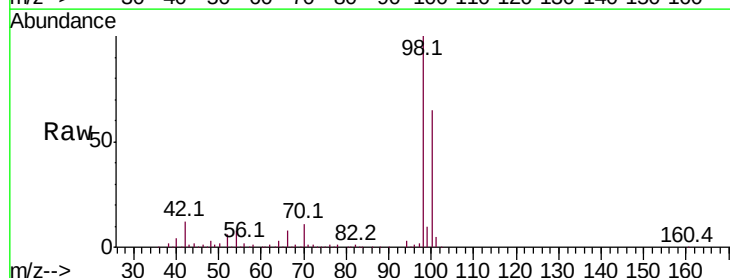
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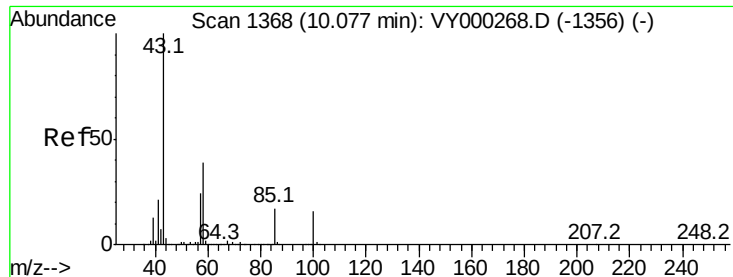
MMDadoda
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#50
Toluene-d8
Concen: 51.454 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	98	Resp	351022
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





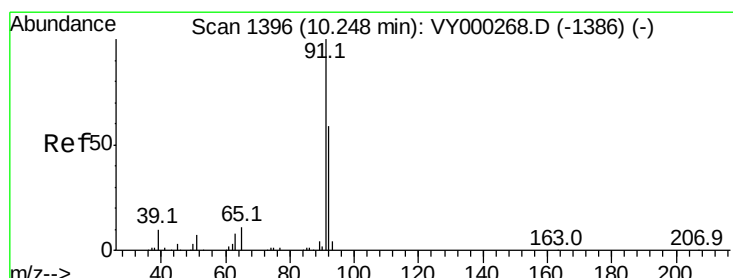
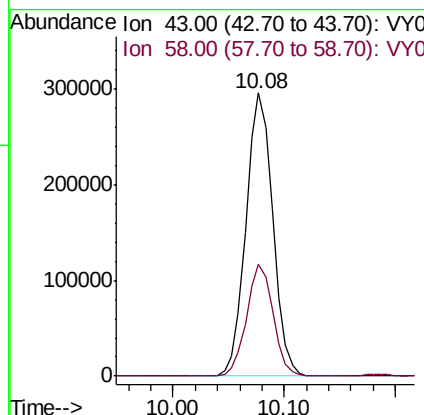
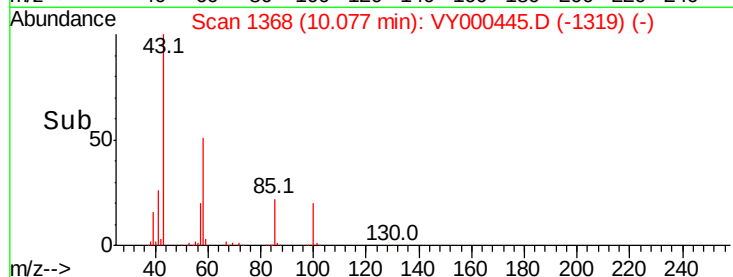
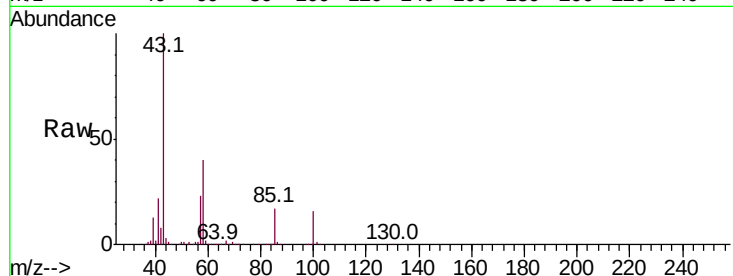
#51
4-Methyl-2-Pentanone
Concen: 296.796 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.0	46.6

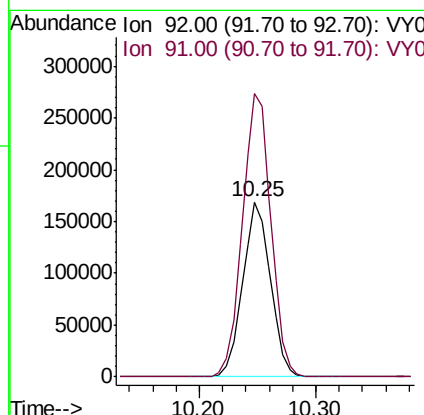
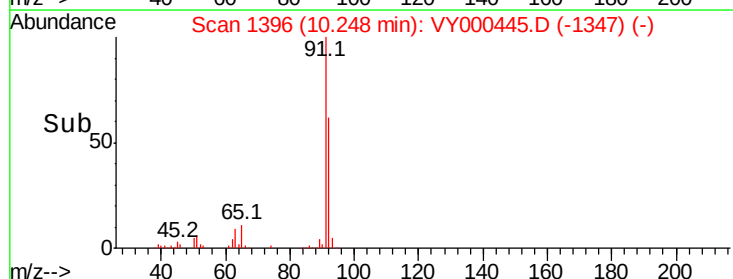
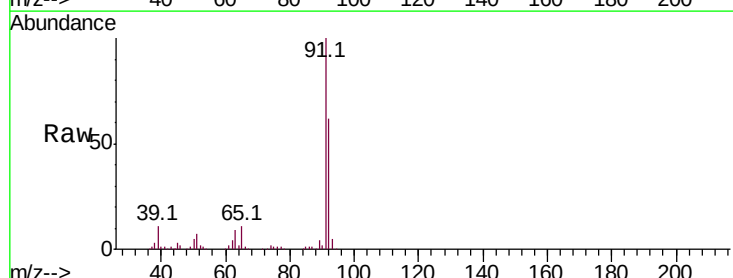
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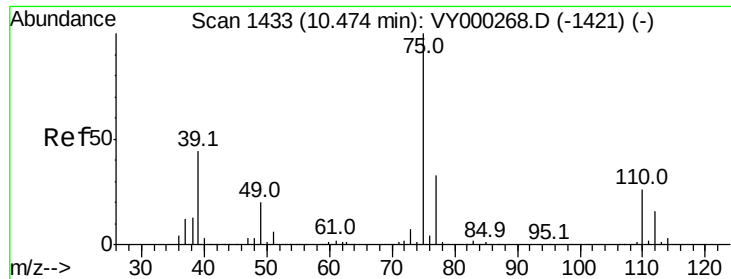
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#52
Toluene
Concen: 52.907 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.6	136.6	205.0





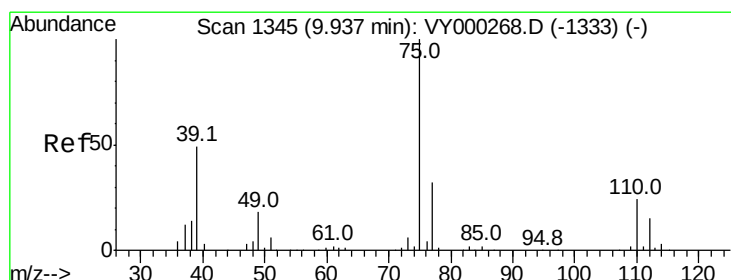
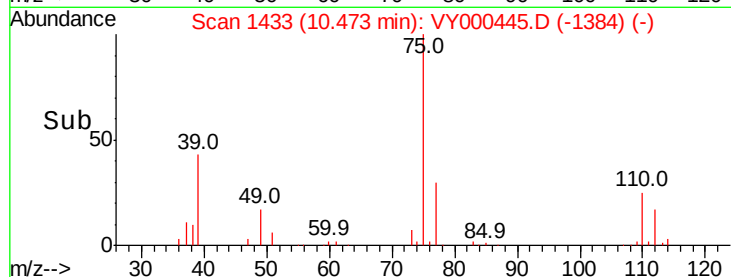
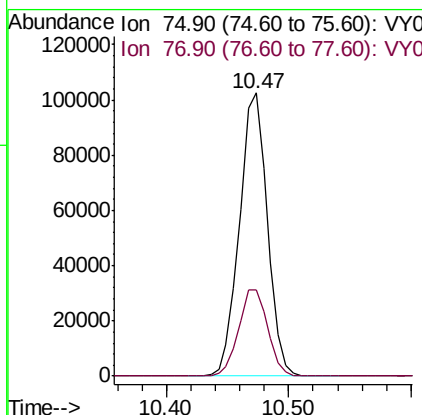
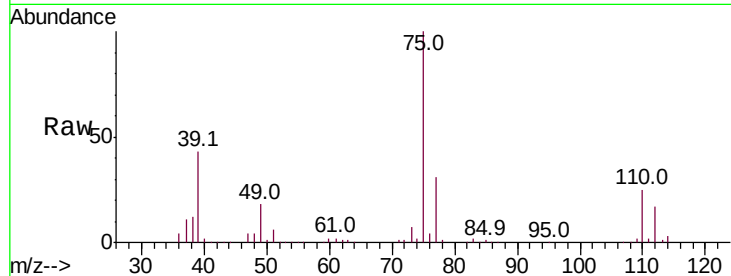
#53
t-1,3-Dichloropropene
Concen: 56.249 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 162123
Ion Ratio Lower Upper
75 100
77 30.6 26.0 39.0

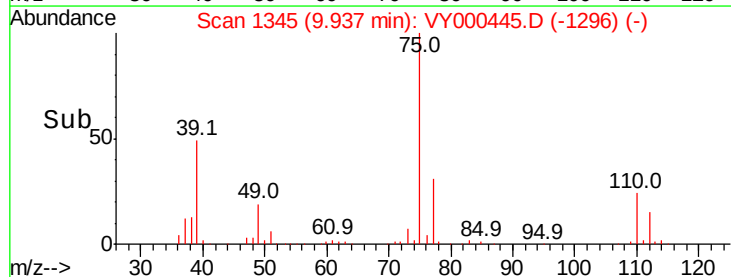
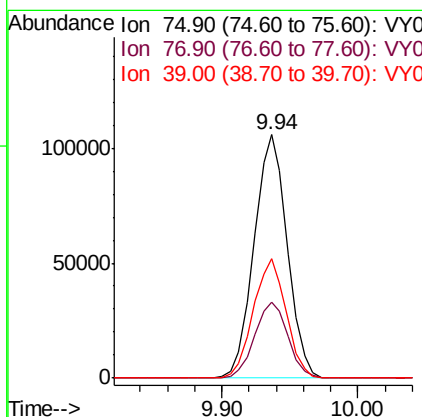
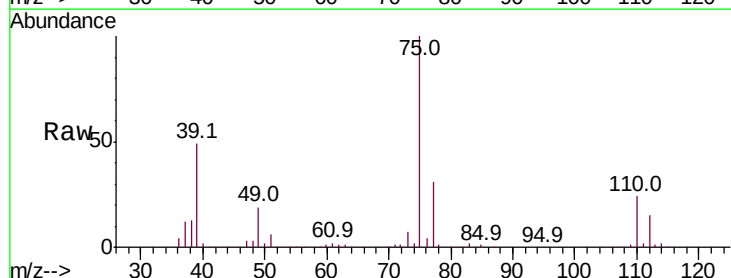
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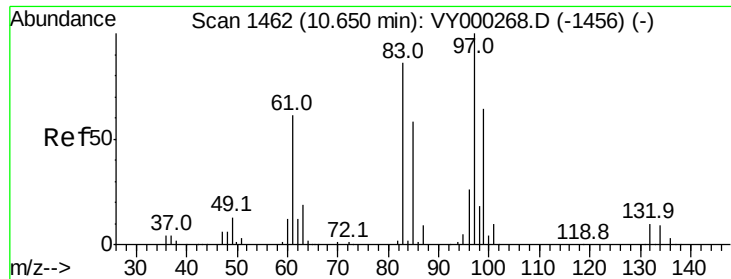
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.243 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion: 75 Resp: 180823
Ion Ratio Lower Upper
75 100
77 31.4 26.0 39.0
39 49.0 38.8 58.2





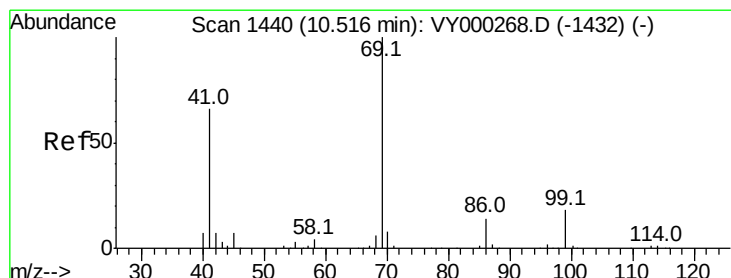
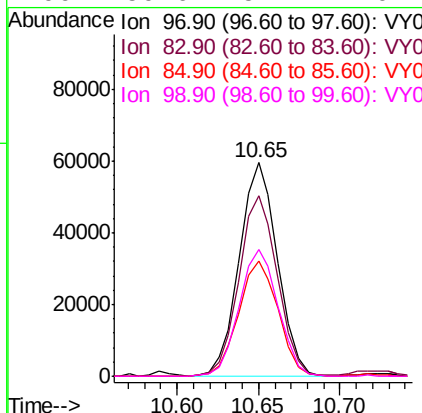
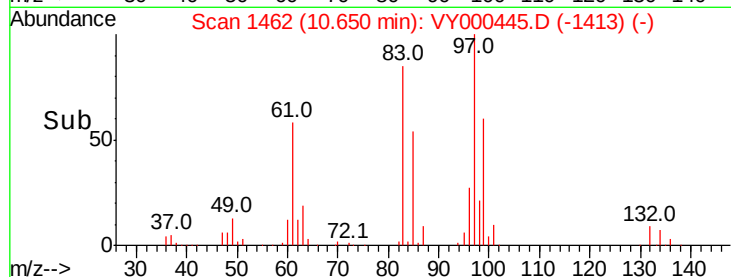
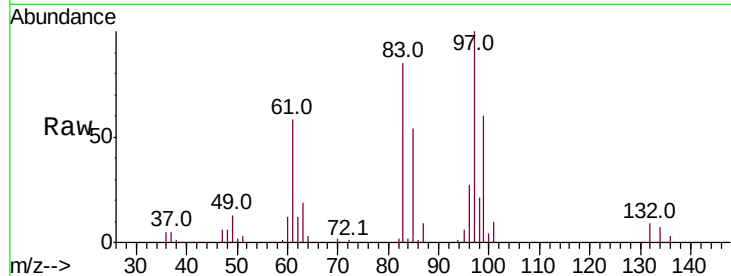
#55
 1,1,2-Trichloroethane
 Concen: 58.431 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.0	103.6
85	54.1	46.2	69.4
99	59.6	51.1	76.7

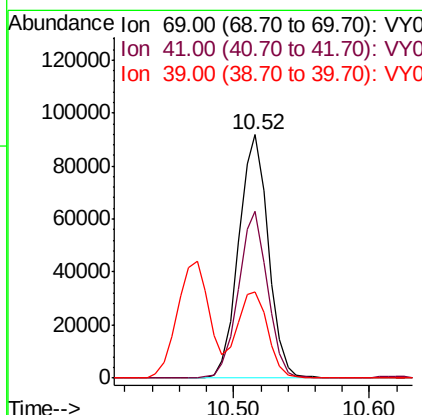
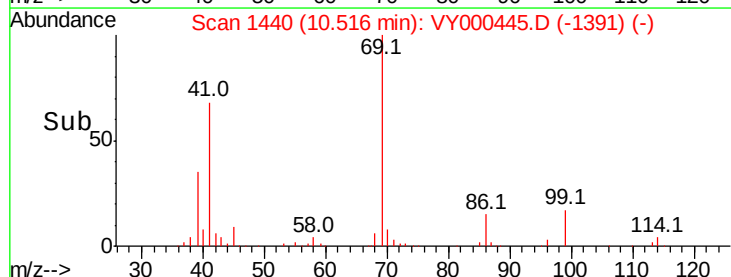
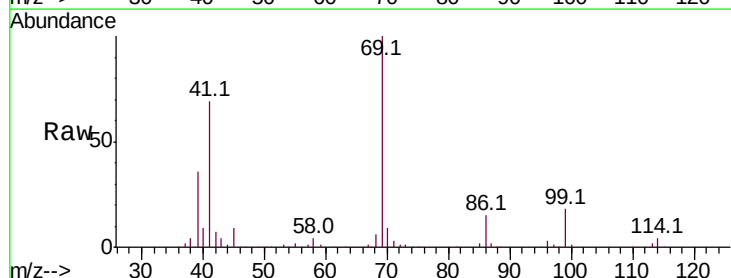
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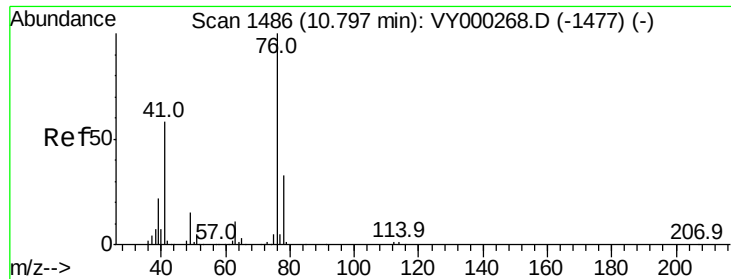
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#56
 Ethyl methacrylate
 Concen: 58.819 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	52.5	78.7
39	36.9	26.7	40.1





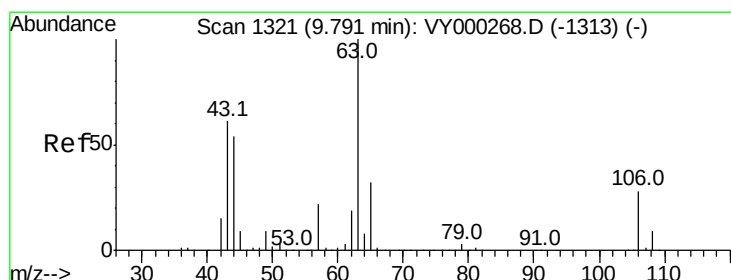
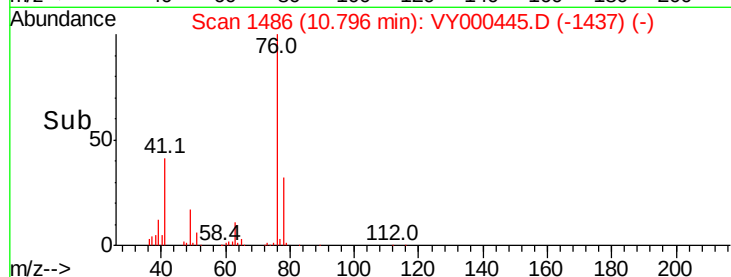
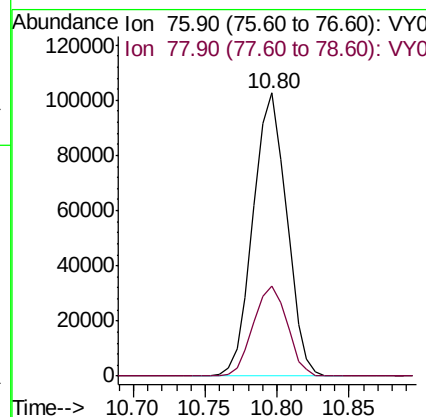
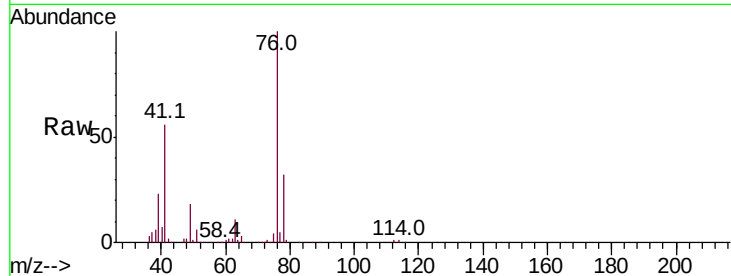
#57
 1,3-Dichloropropane
 Concen: 58.165 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

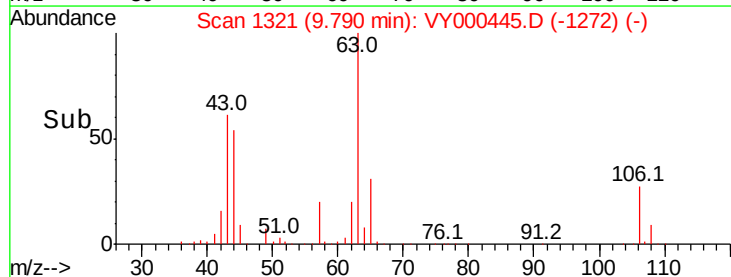
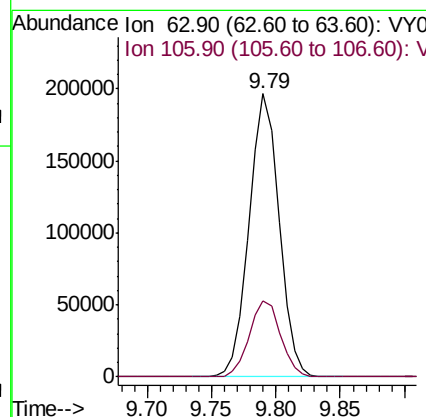
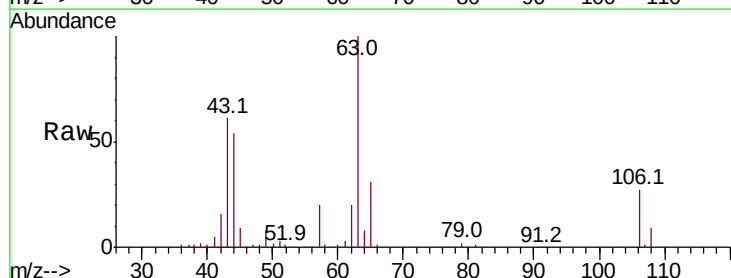
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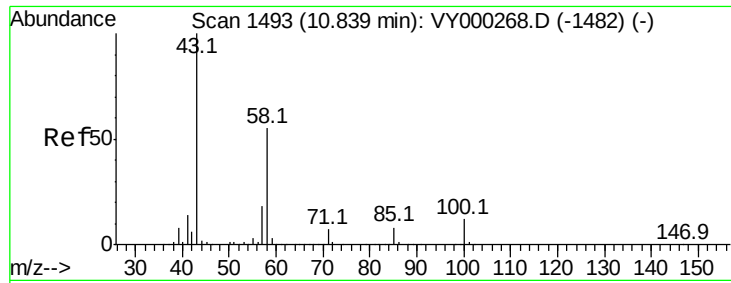
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 10/28/2019 12:38:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 334.080 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.4





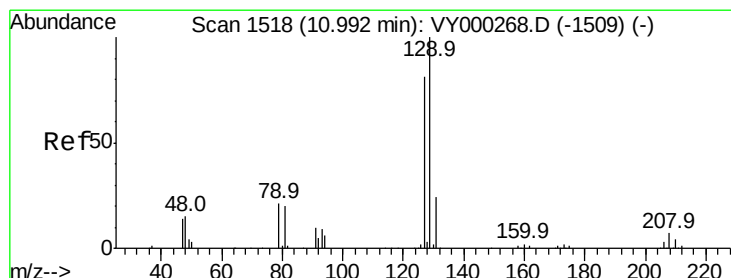
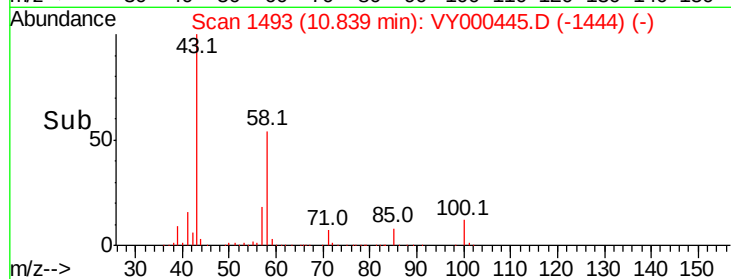
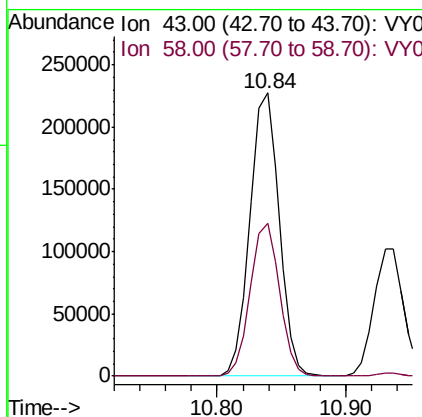
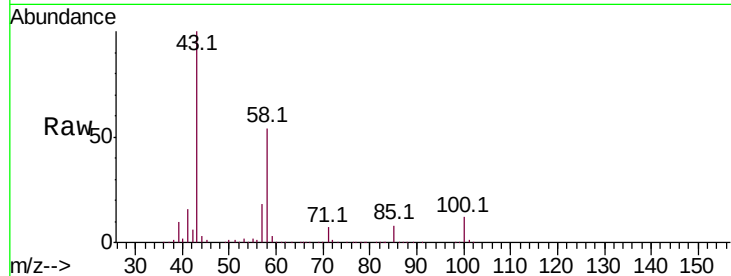
#59
2-Hexanone
Concen: 303.057 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 355566
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.1

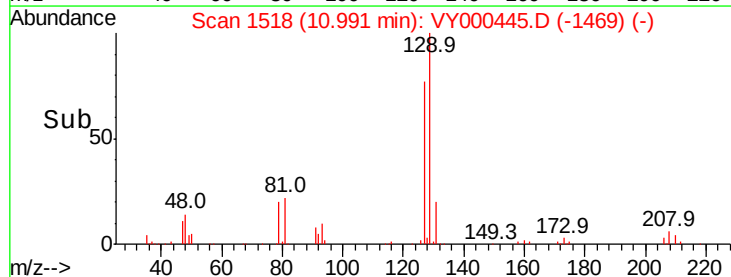
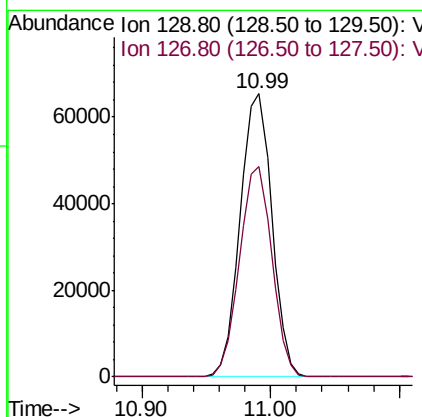
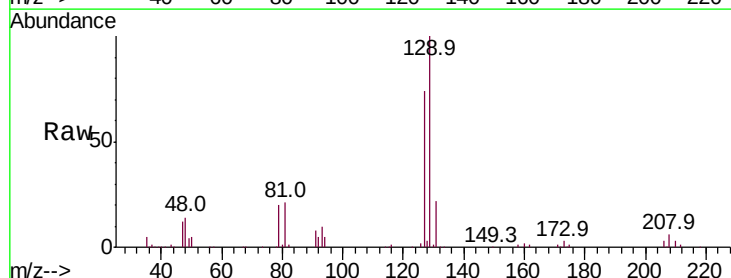
Manual Integrations
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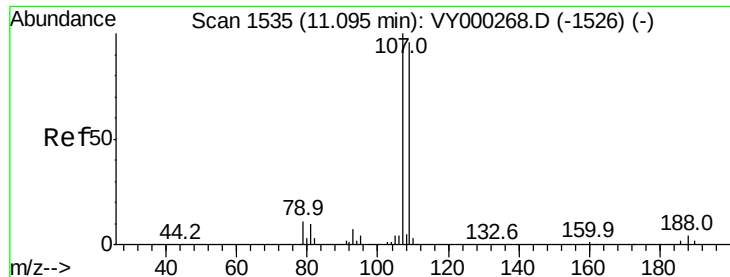
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#60
Dibromochloromethane
Concen: 60.577 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion: 129 Resp: 111404
Ion Ratio Lower Upper
129 100
127 75.9 39.9 119.7





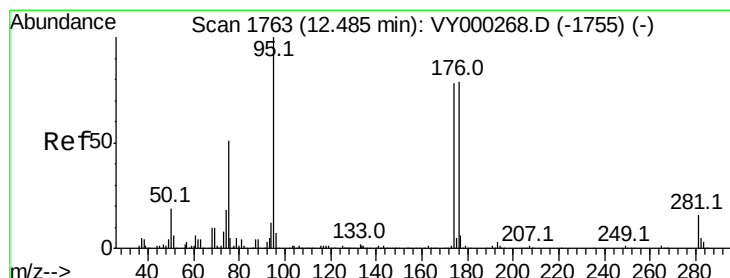
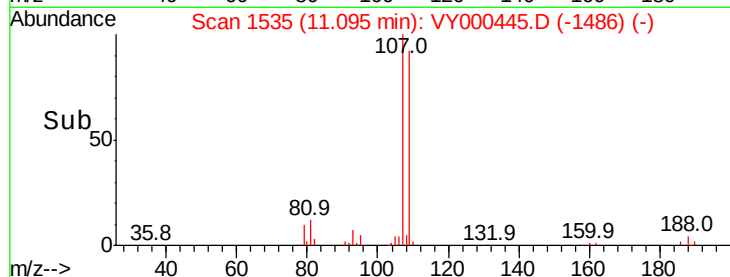
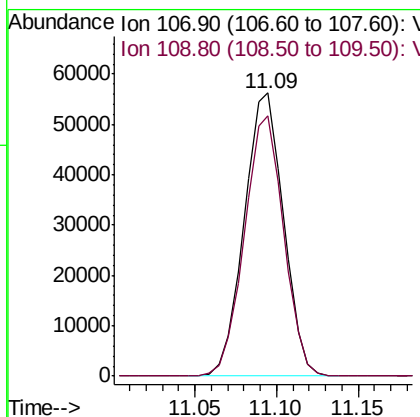
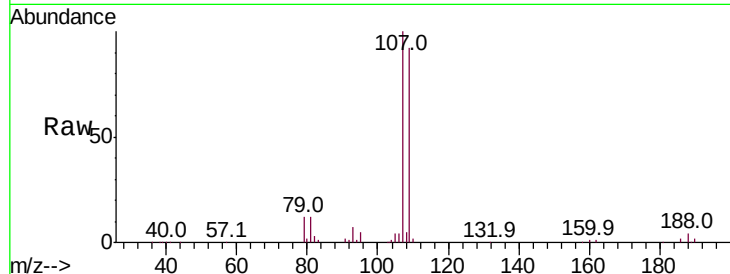
#61
 1,2-Dibromoethane
 Concen: 59.272 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.1	112.7

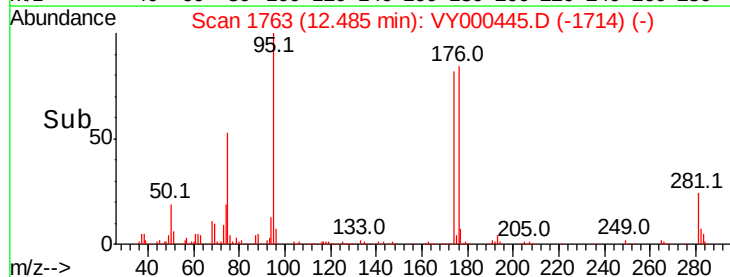
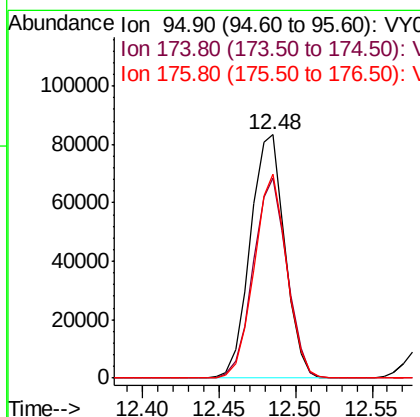
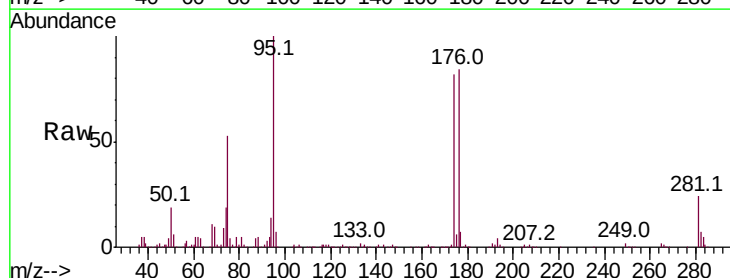
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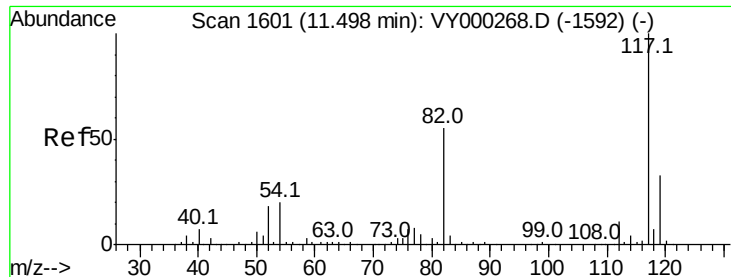
MMDadoda
 10/28/2019 12:38:45 PM



#62
 4-Bromofluorobenzene
 Concen: 50.548 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	159.6
176	79.4	0.0	153.8





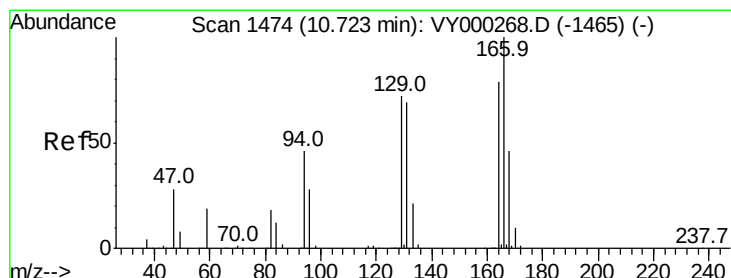
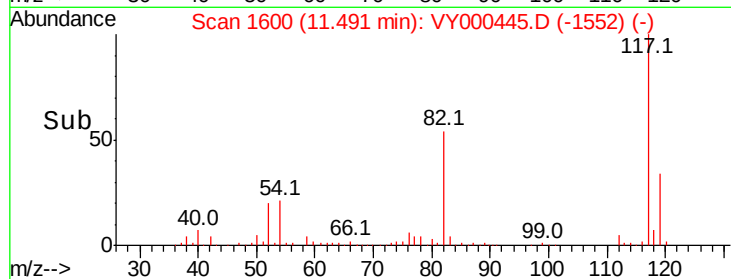
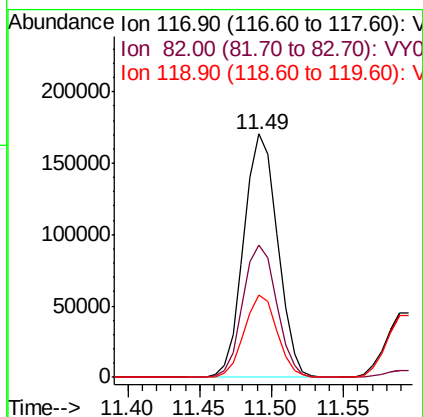
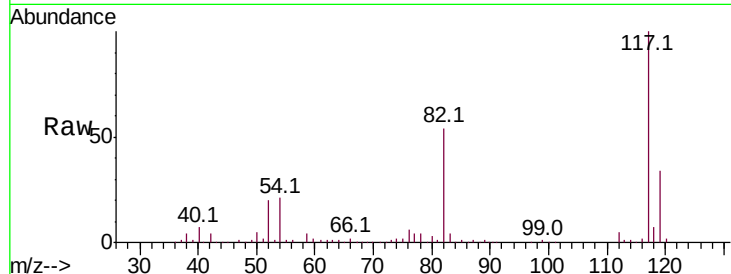
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	34.0	26.6	39.8

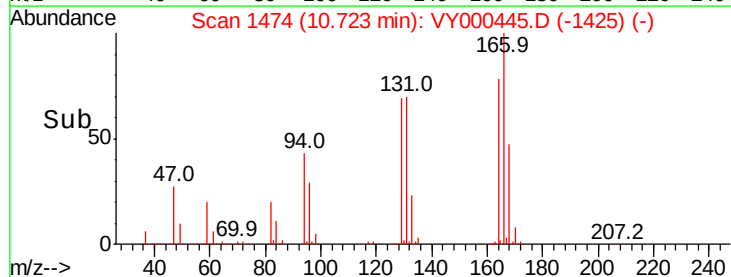
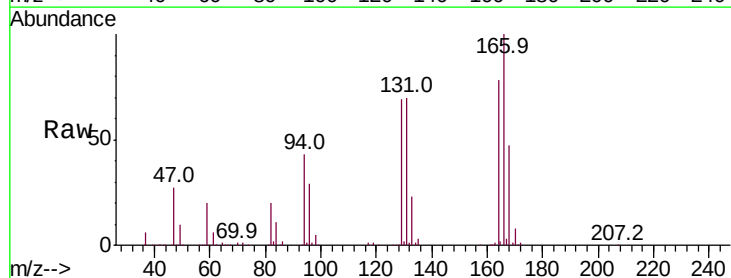
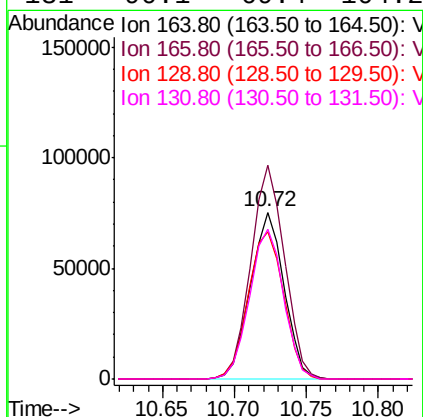
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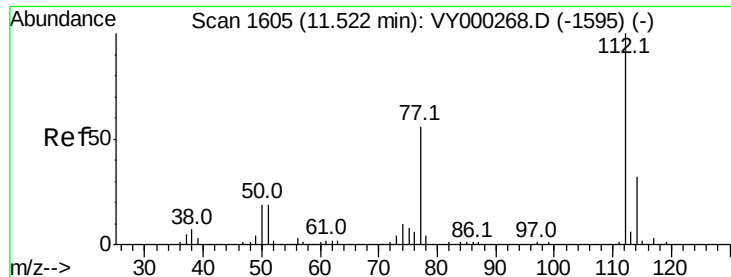
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#64
Tetrachloroethene
Concen: 45.922 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.6	151.0
129	88.1	72.8	109.2
131	90.1	69.4	104.2





#65

Chlorobenzene

Concen: 51.542 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 301308

Ion Ratio Lower Upper

112 100

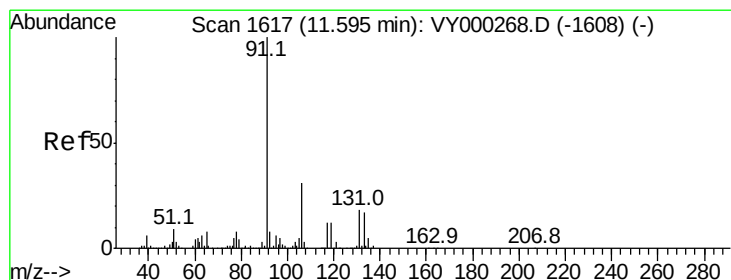
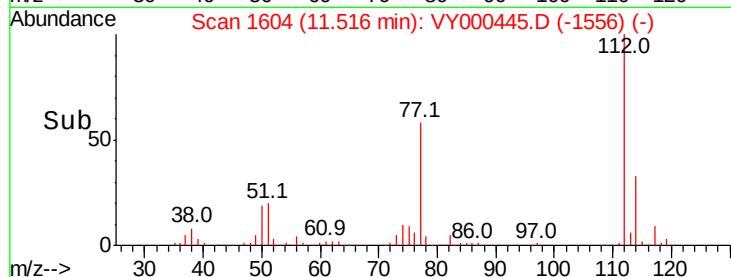
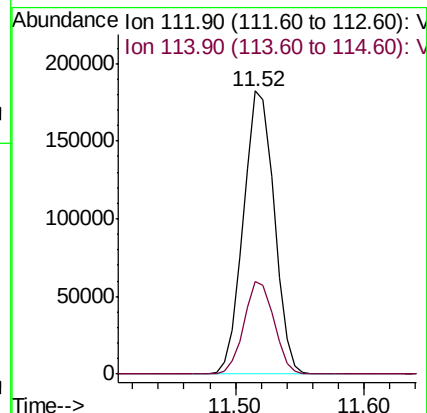
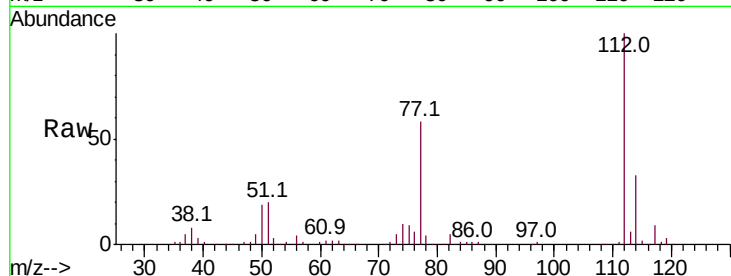
114 32.6 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.273 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

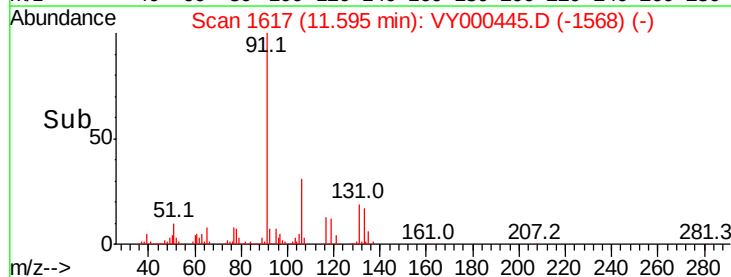
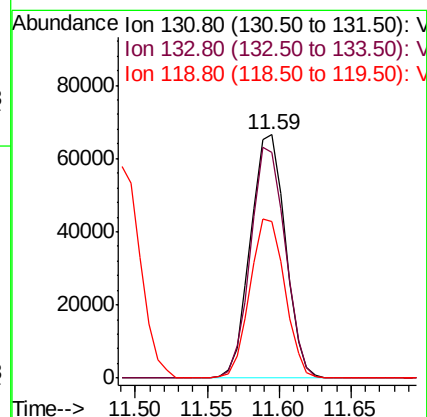
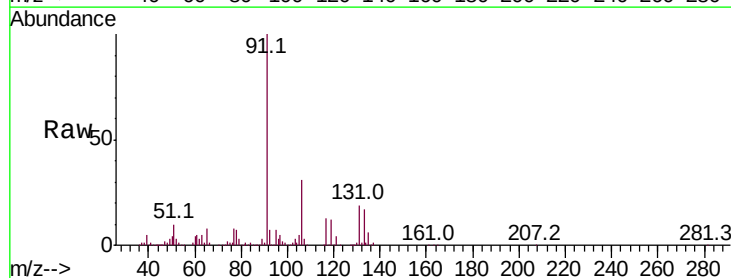
Tgt Ion:131 Resp: 111452

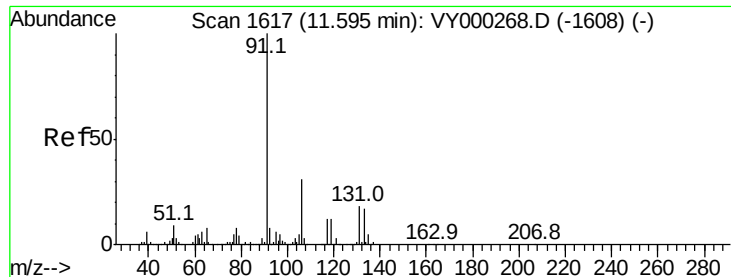
Ion Ratio Lower Upper

131 100

133 94.4 47.2 141.6

119 65.2 32.6 98.0





#67

Ethyl Benzene

Concen: 50.252 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 544577

Ion Ratio Lower Upper

91 100

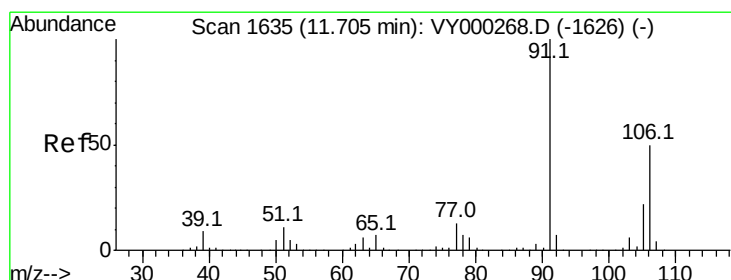
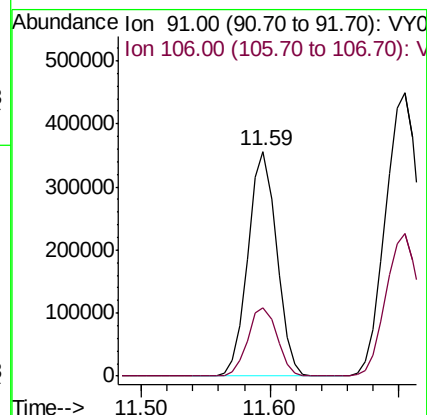
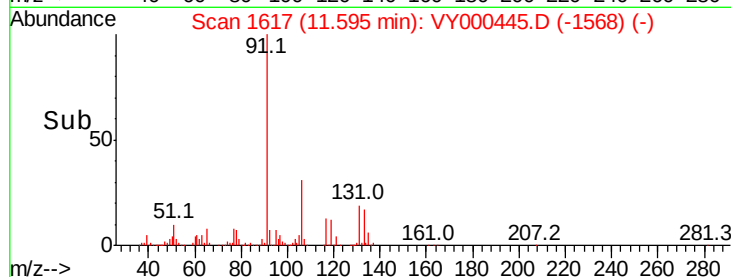
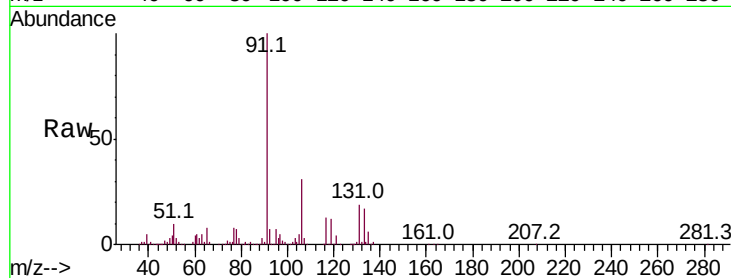
106 30.6 25.0 37.6

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#68

m/p-Xylenes

Concen: 99.338 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000445.D

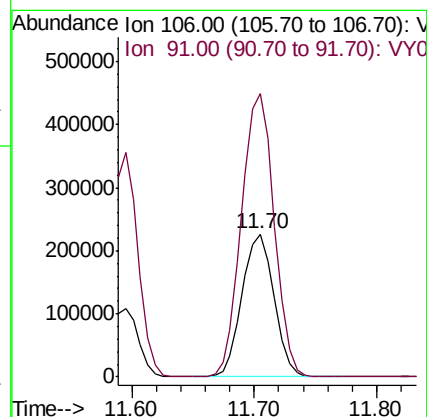
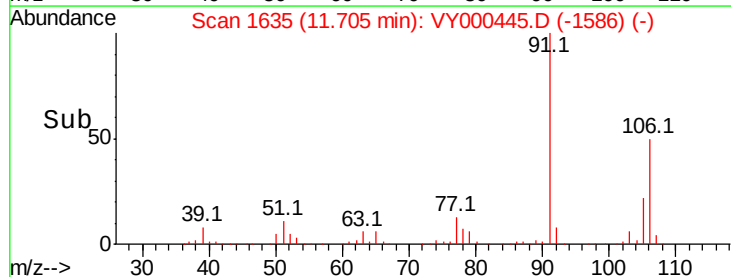
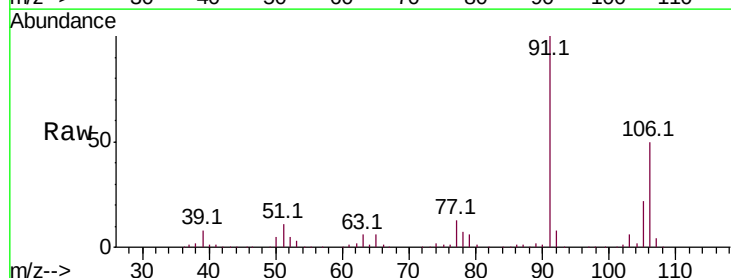
Acq: 25 Oct 2019 21:29

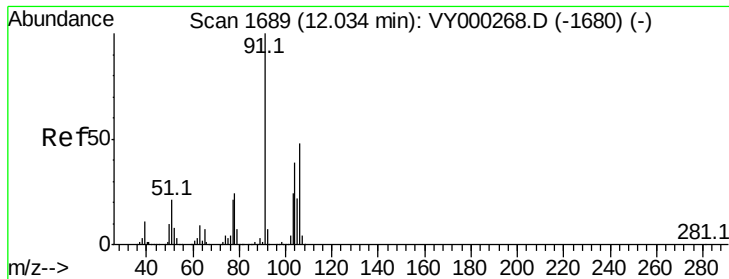
Tgt Ion: 106 Resp: 411540

Ion Ratio Lower Upper

106 100

91 201.6 157.5 236.3





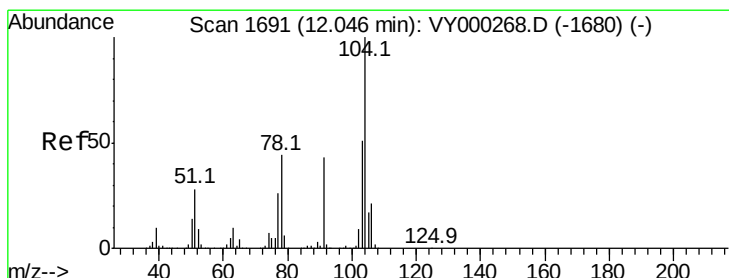
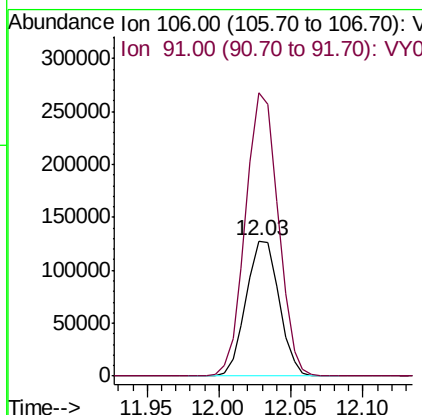
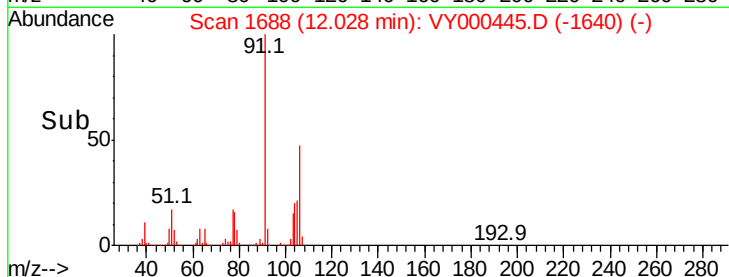
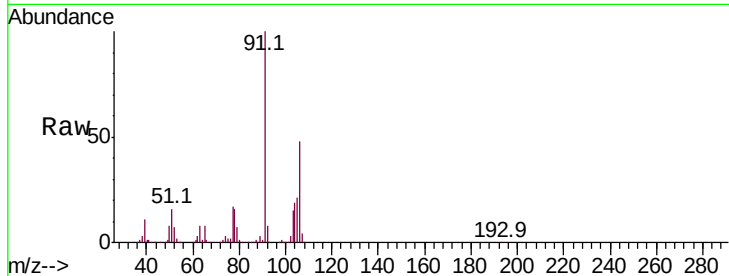
#69
o-Xylene
Concen: 51.432 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 203266
Ion Ratio Lower Upper
106 100
91 207.1 104.7 313.9

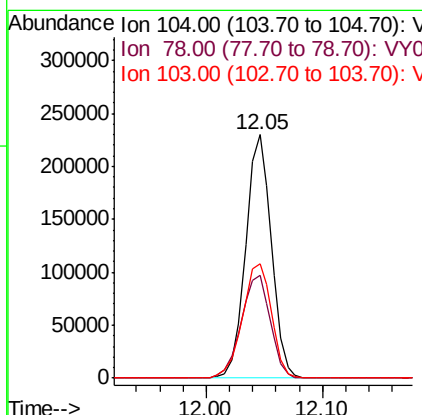
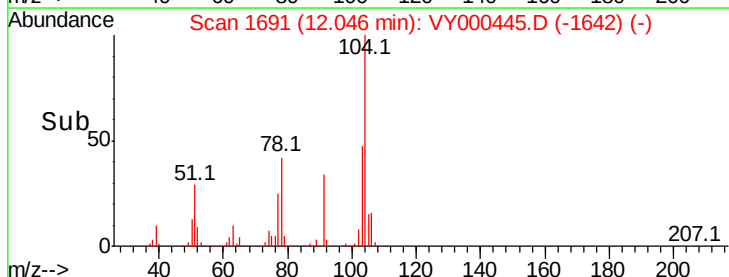
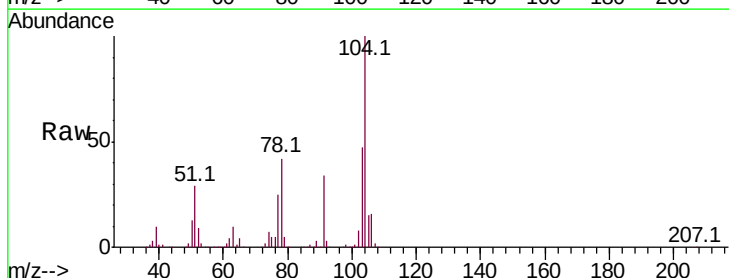
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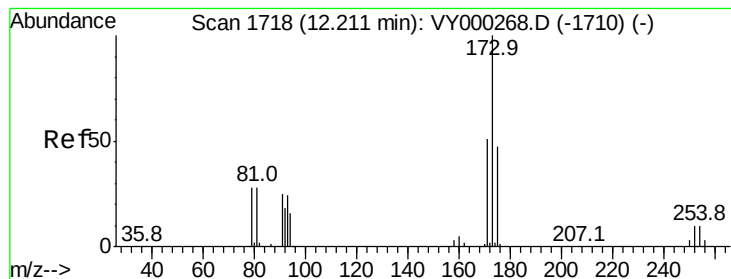
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#70
Styrene
Concen: 53.017 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion:104 Resp: 353368
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.6
103 53.1 43.1 64.7





#71

Bromoform

Concen: 58.607 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 69186

Ion Ratio Lower Upper

173 100

175 45.5 24.6 73.6

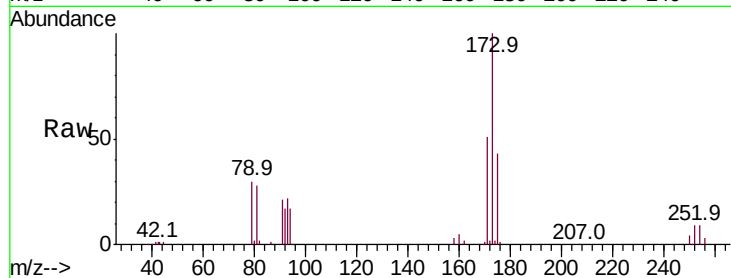
254 0.0 0.1 0.1#

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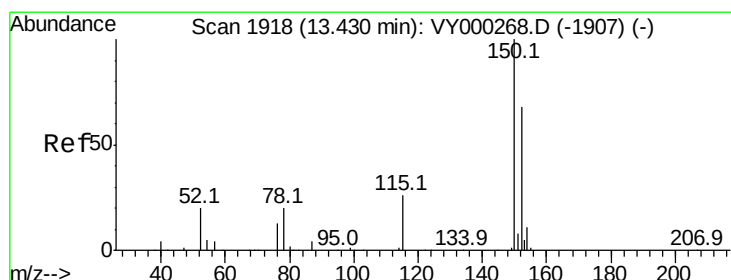
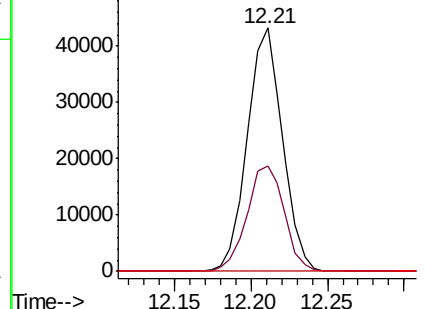
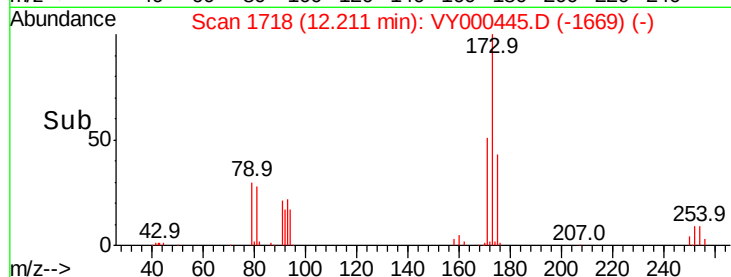
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

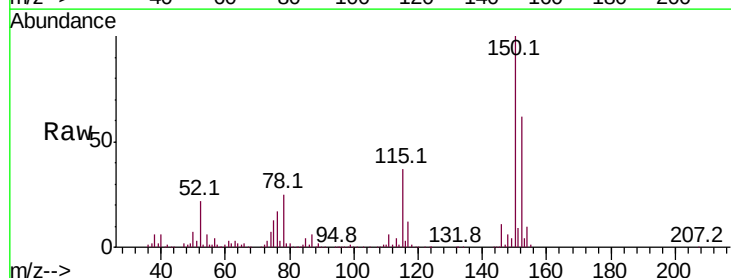
Tgt Ion:152 Resp: 142945

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

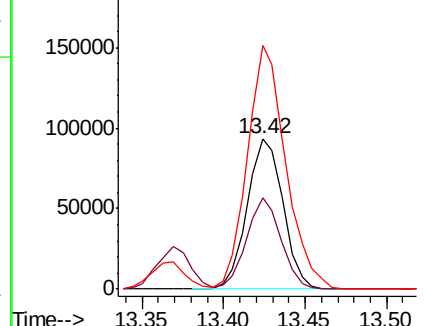
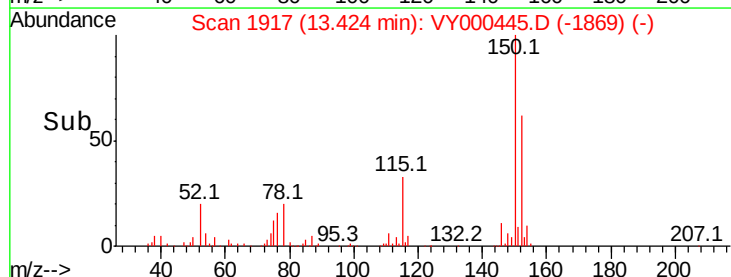
150 173.7 0.0 348.4

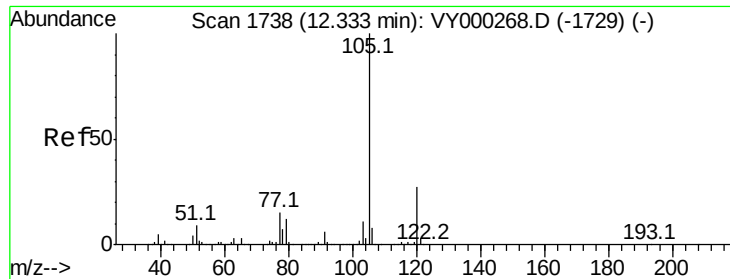


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.241 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 537689

Ion Ratio Lower Upper

105 100

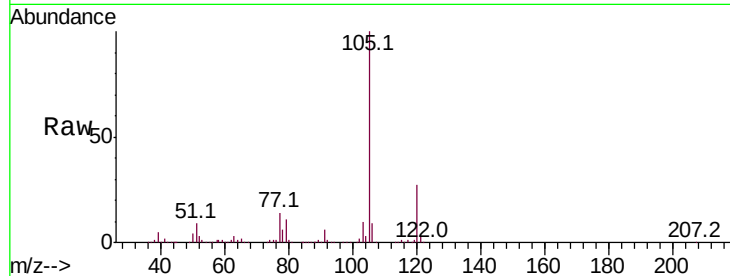
120 27.5 13.4 40.2

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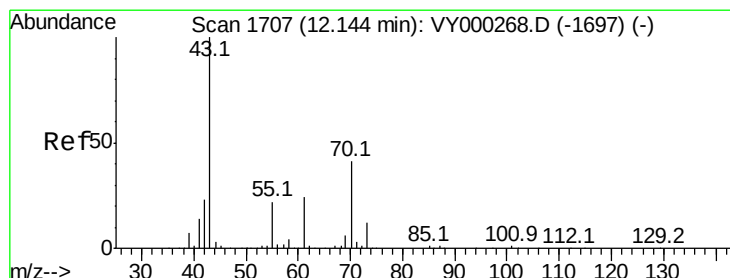
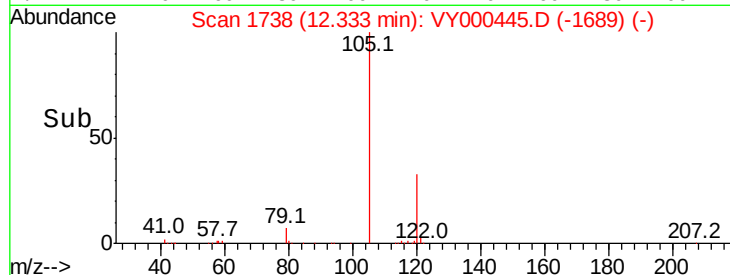
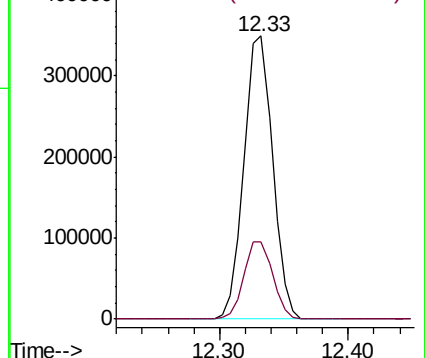
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.841 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion: 43 Resp: 169216

Ion Ratio Lower Upper

43 100

70 41.4 32.9 49.3

55 23.0 17.8 26.6

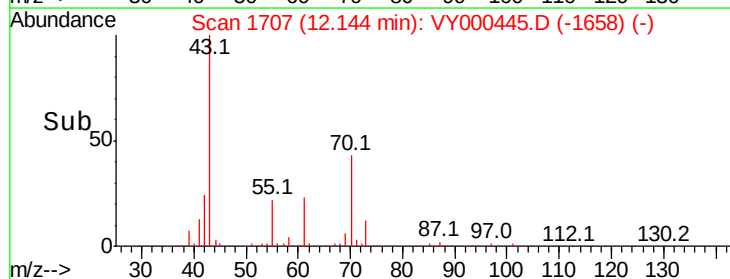
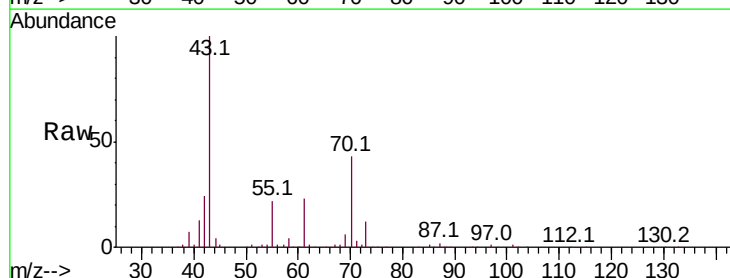
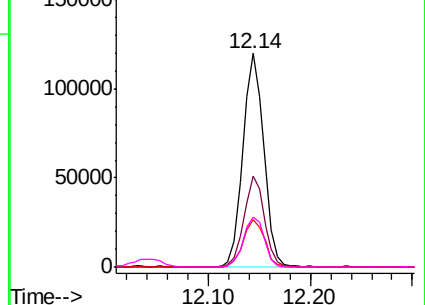
61 23.3 19.5 29.3

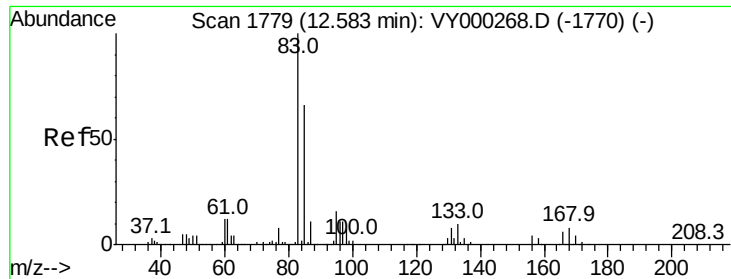
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.374 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

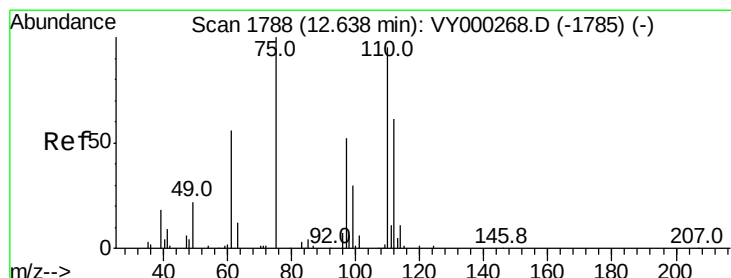
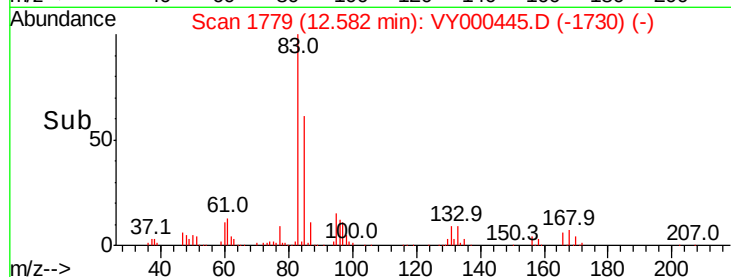
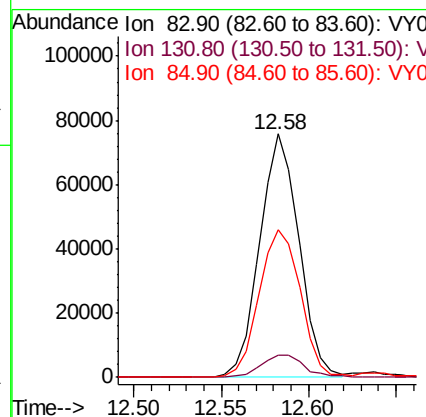
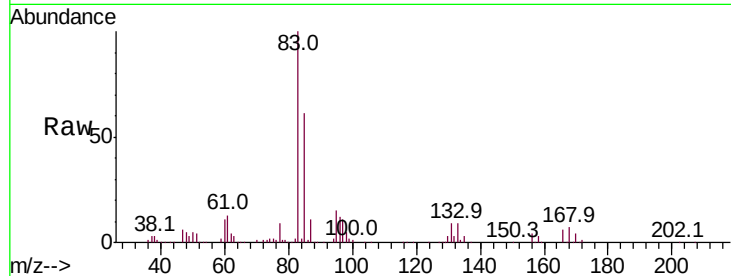
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	117975
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	64.1	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 41.538 ug/l m

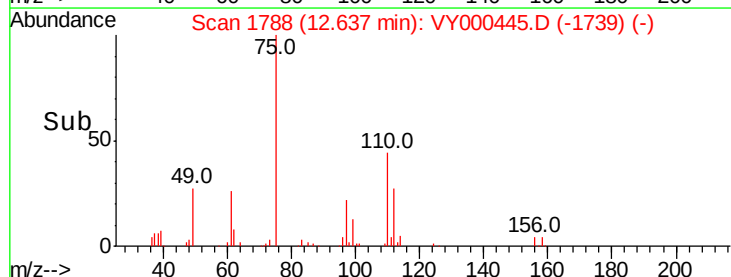
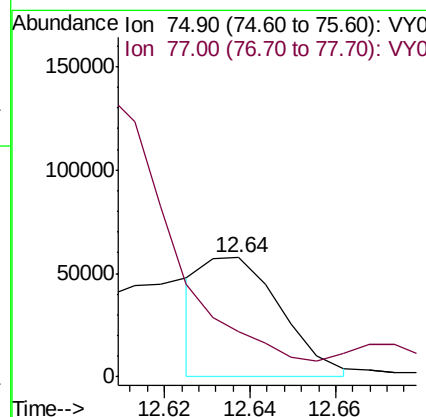
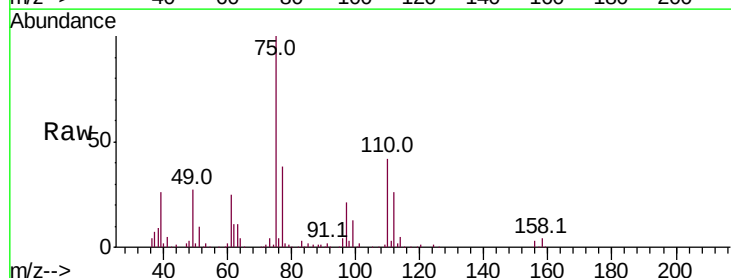
RT: 12.64 min Scan# 1788

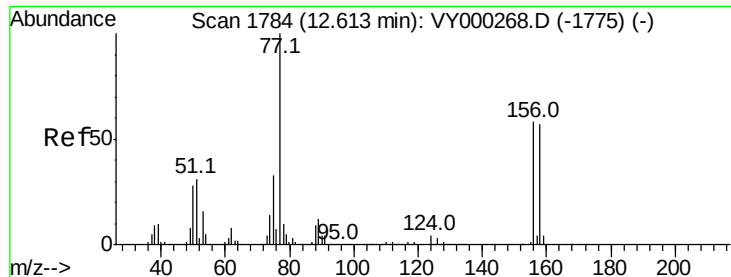
Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion:	75	Resp:	73013
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.759 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 128373

Ion Ratio Lower Upper

156 100

77 194.8 101.0 302.9

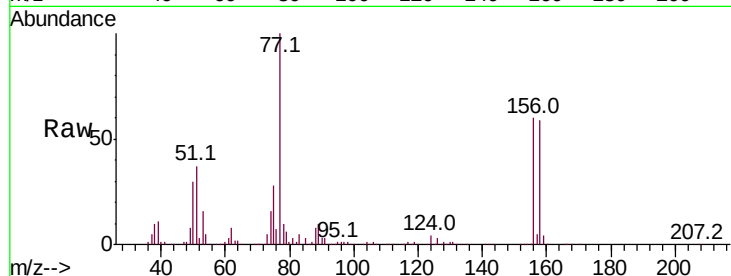
158 97.5 49.7 149.1

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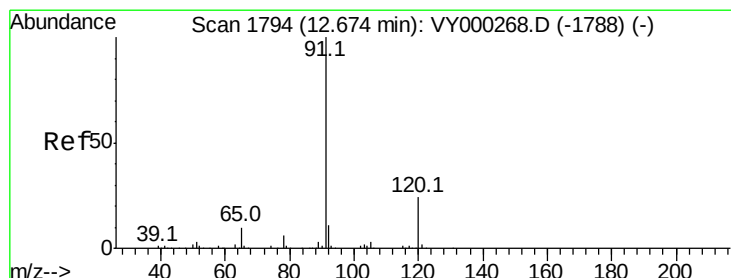
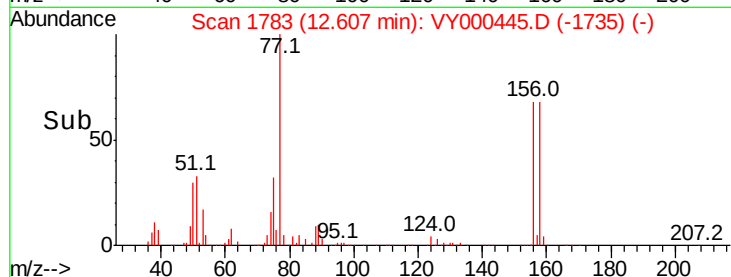
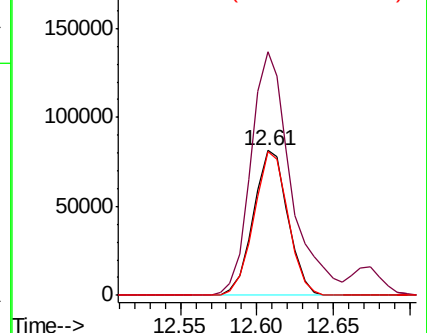
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.613 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000445.D

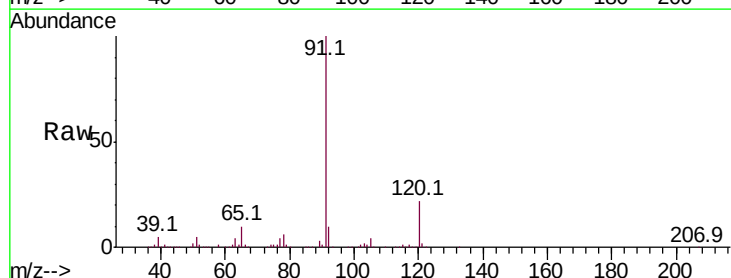
Acq: 25 Oct 2019 21:29

Tgt Ion: 91 Resp: 650551

Ion Ratio Lower Upper

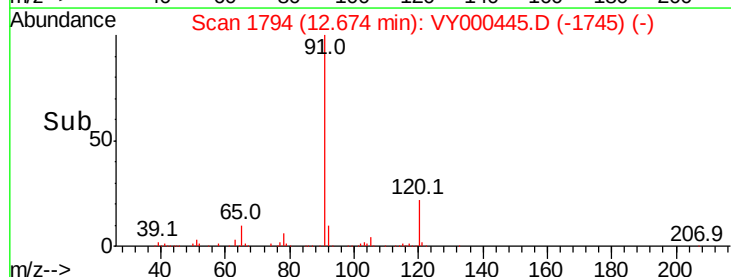
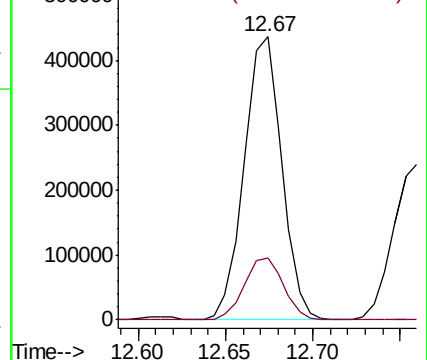
91 100

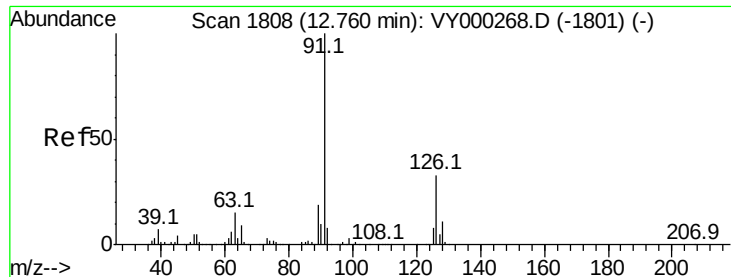
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.342 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 364664

Ion Ratio Lower Upper

91 100

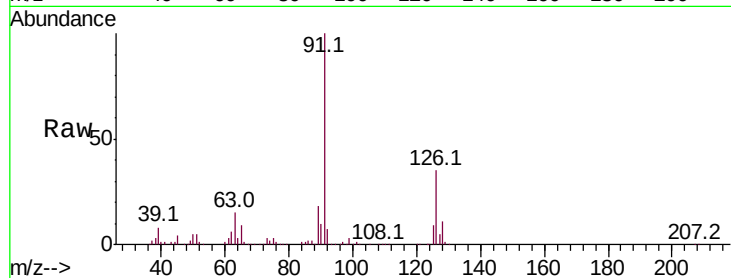
126 35.4 17.1 51.3

Manual Integrations

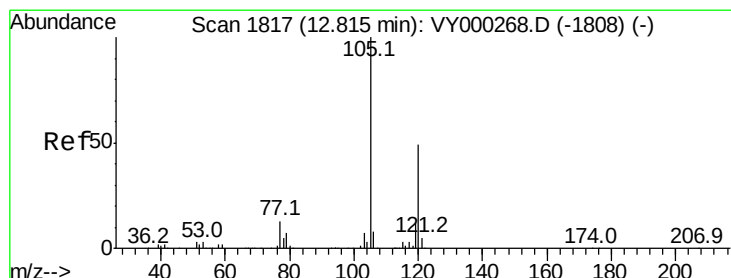
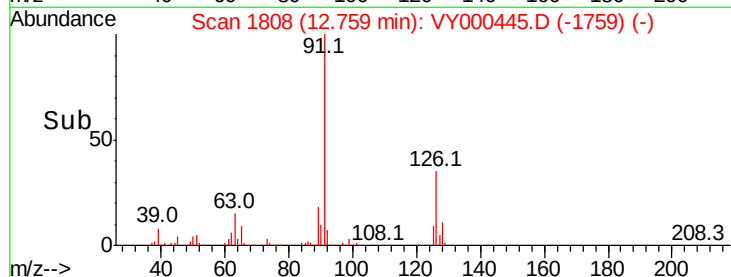
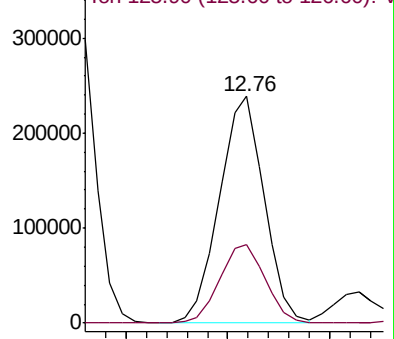
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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.975 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000445.D

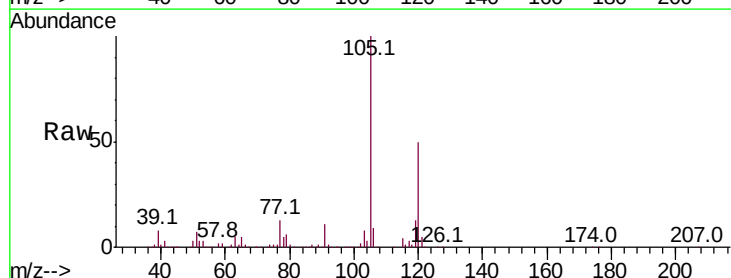
Acq: 25 Oct 2019 21:29

Tgt Ion: 105 Resp: 457728

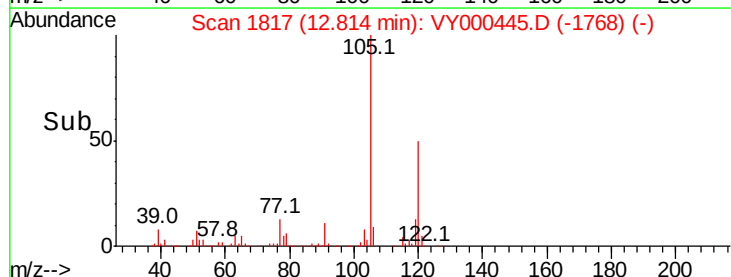
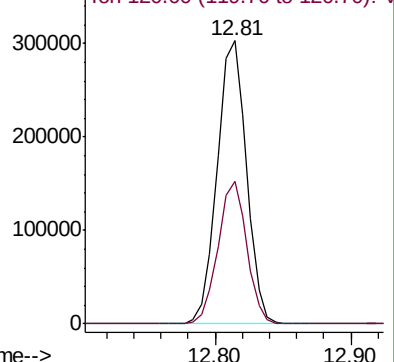
Ion Ratio Lower Upper

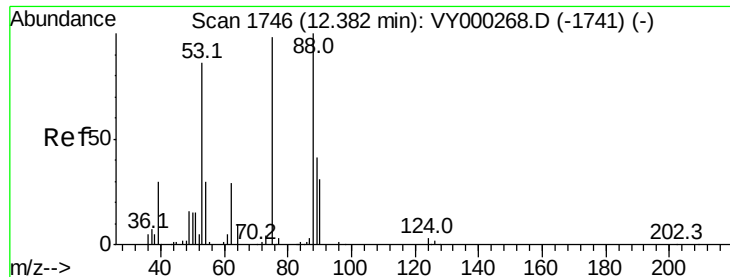
105 100

120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.097 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 39443

Ion Ratio Lower Upper

75 100

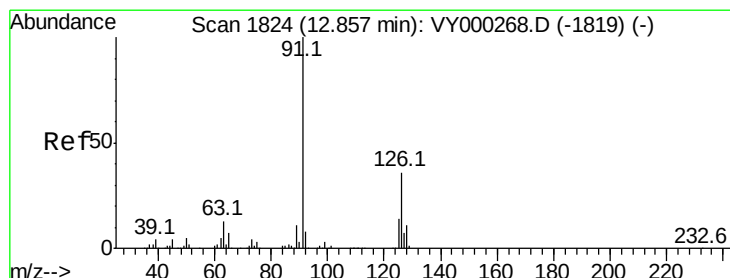
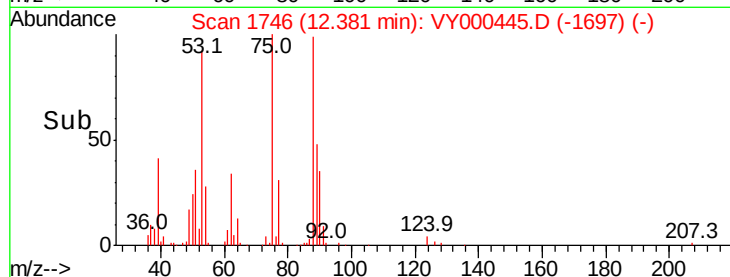
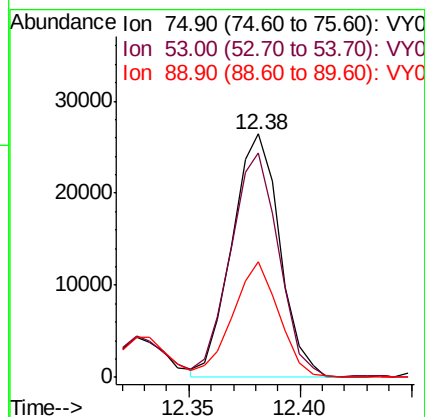
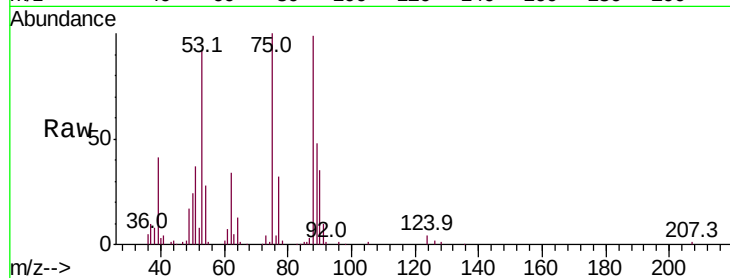
53 92.6 71.3 106.9

89 46.1 35.1 52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.079 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY000445.D

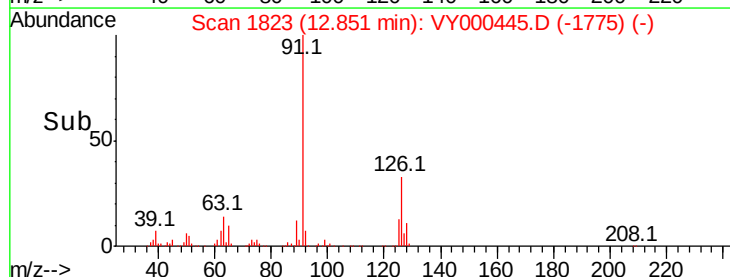
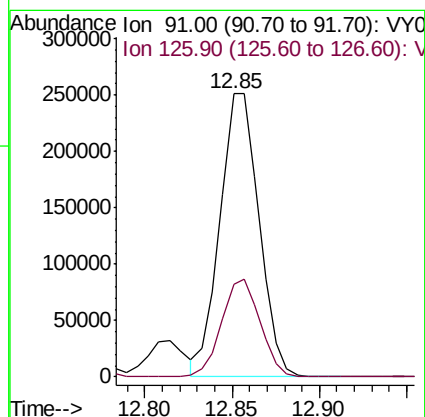
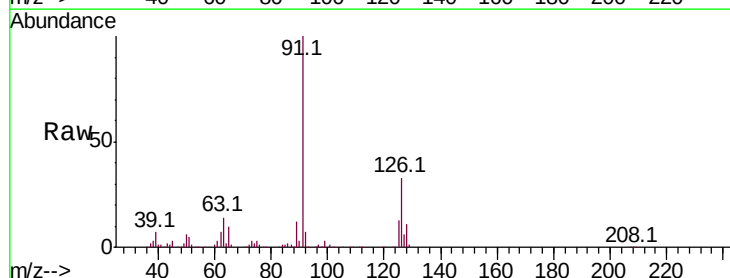
Acq: 25 Oct 2019 21:29

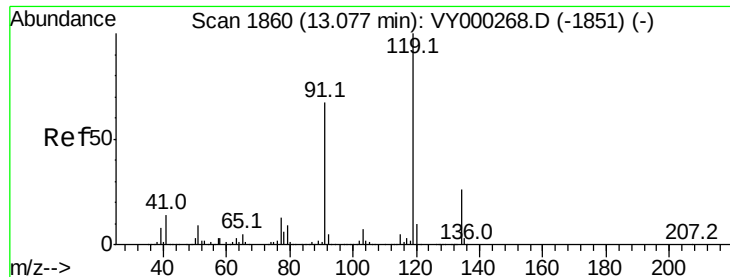
Tgt Ion: 91 Resp: 391228

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.5





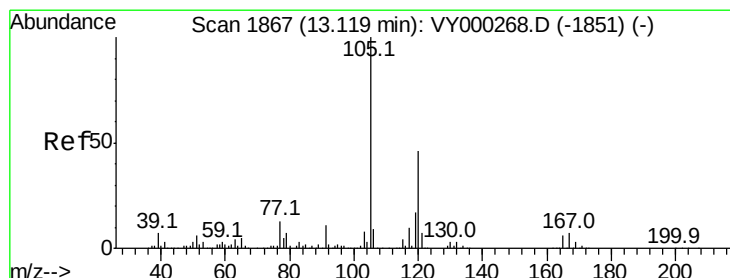
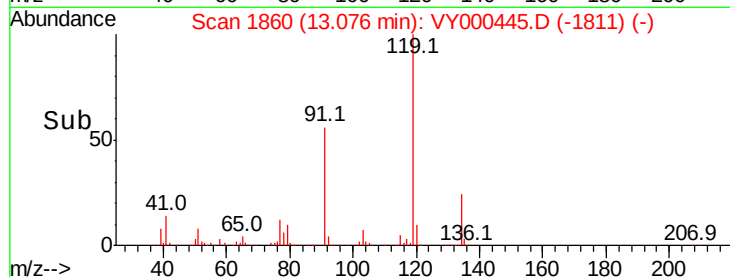
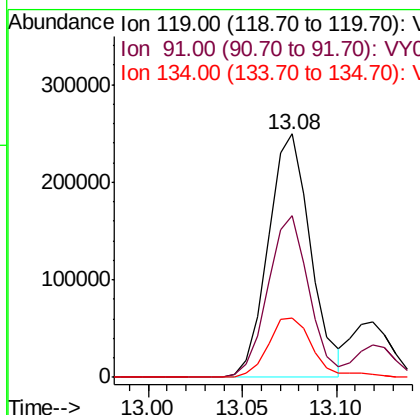
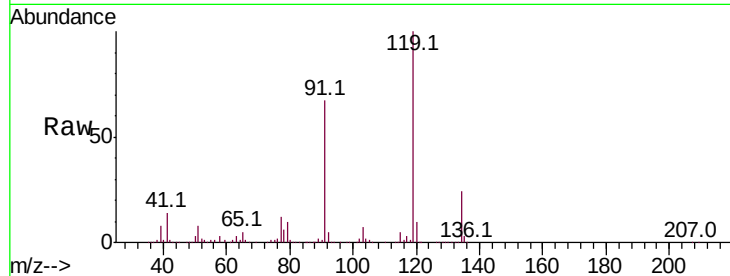
#83
tert-Butylbenzene
Concen: 49.190 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.9	98.7
134	26.1	13.3	39.8

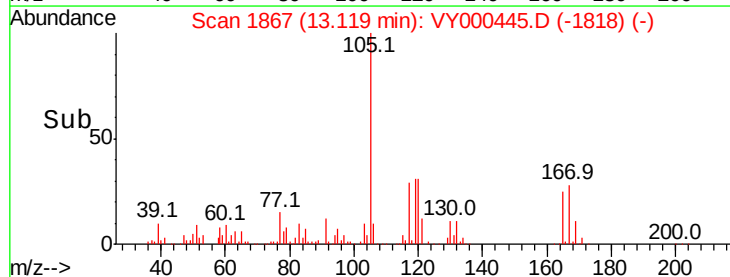
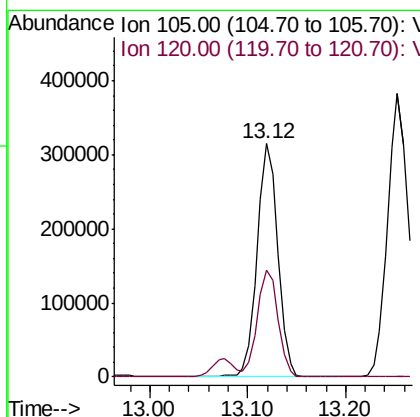
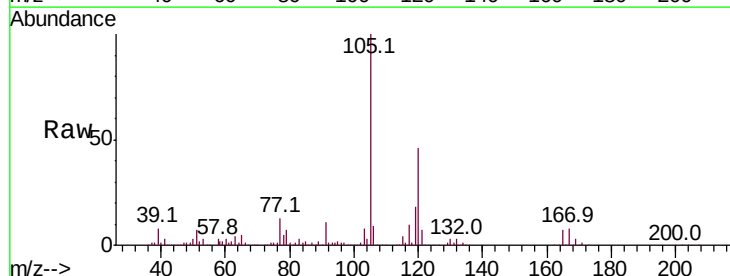
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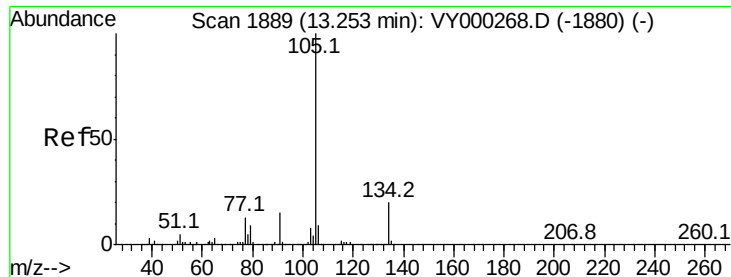
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#84
1,2,4-Trimethylbenzene
Concen: 50.131 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.781 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 558522

Ion Ratio Lower Upper

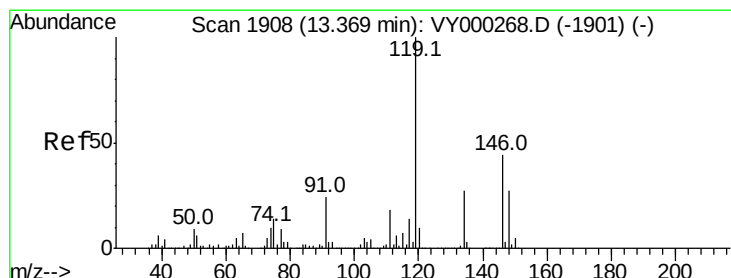
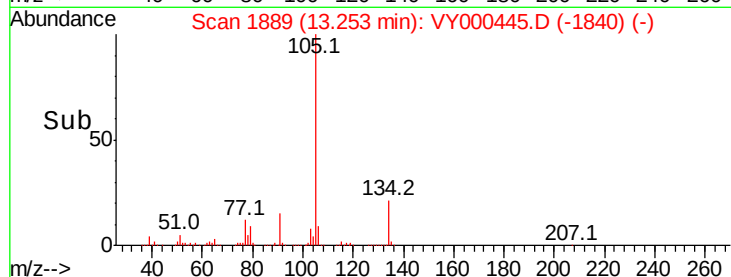
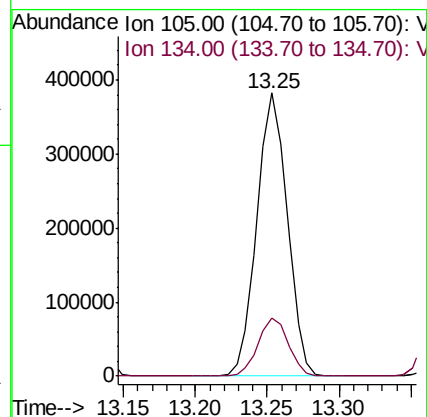
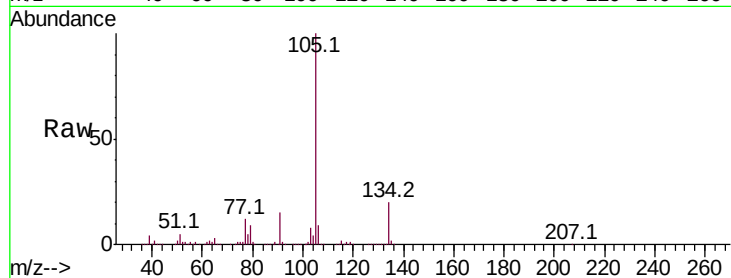
105 100

134 20.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 49.862 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

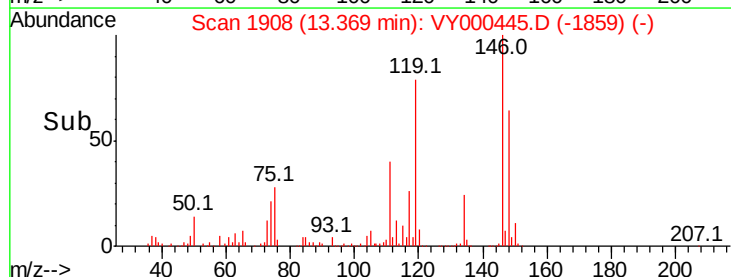
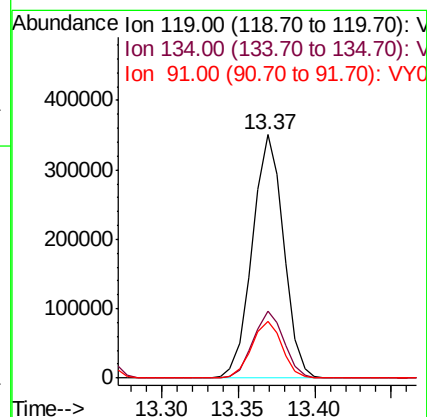
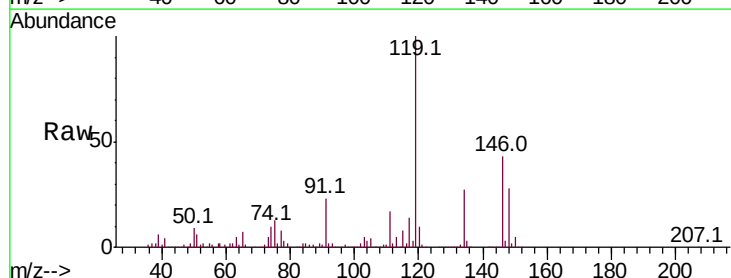
Tgt Ion:119 Resp: 497720

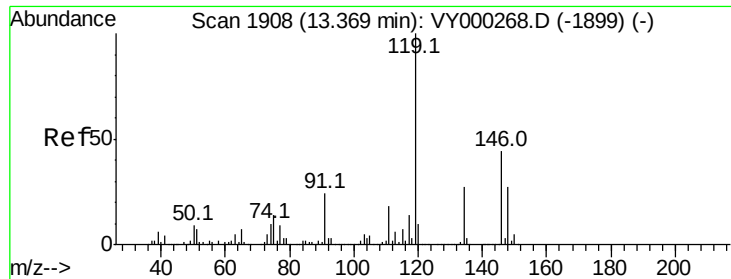
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 23.0 12.0 36.1





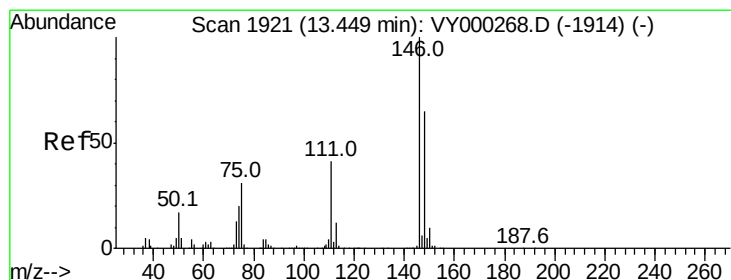
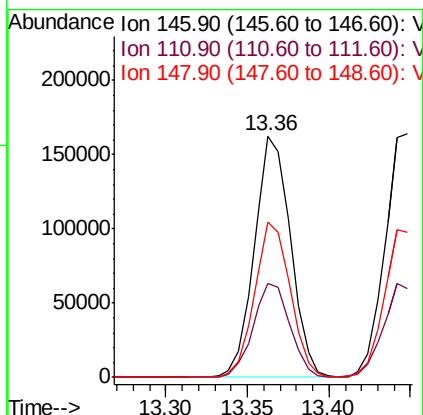
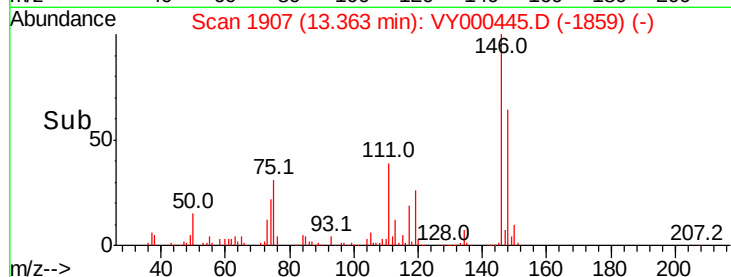
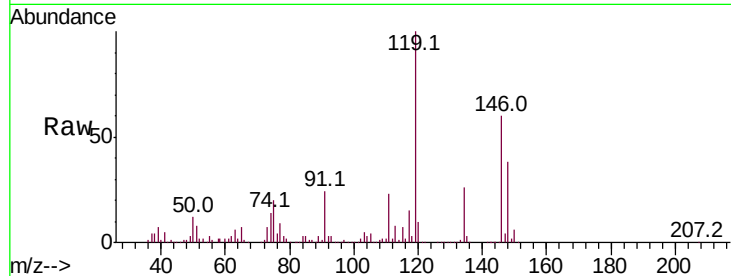
#87
 1,3-Dichlorobenzene
 Concen: 51.141 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249913		
111	39.6	20.6	61.8	
148	63.7	31.9	95.5	

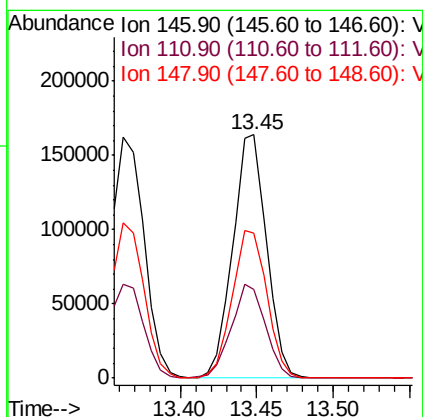
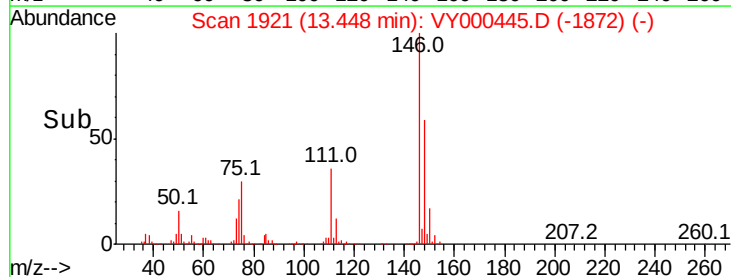
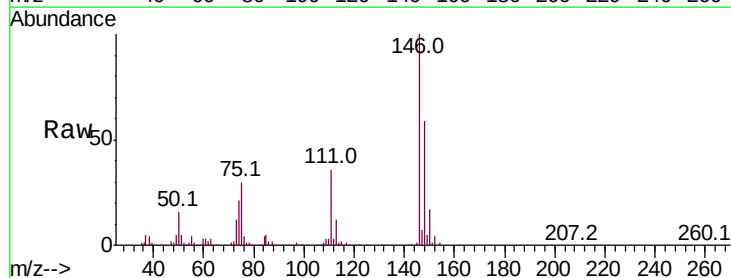
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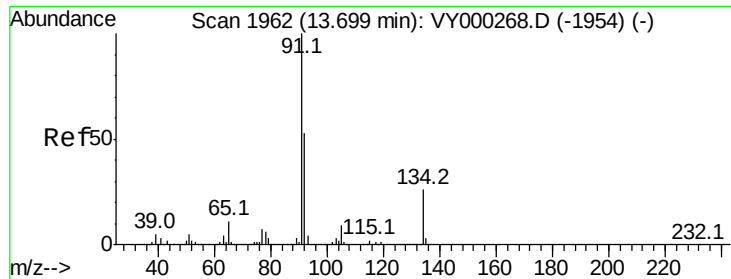
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#88
 1,4-Dichlorobenzene
 Concen: 51.454 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251323		
111	38.8	20.1	60.2	
148	62.1	32.4	97.2	





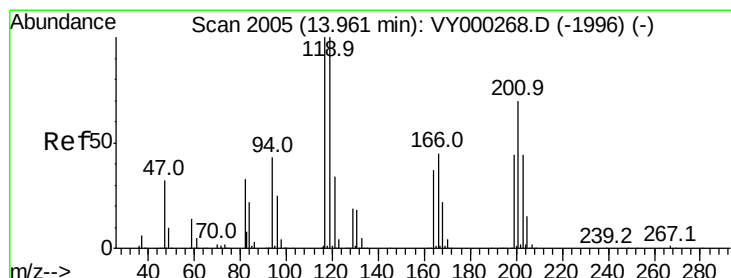
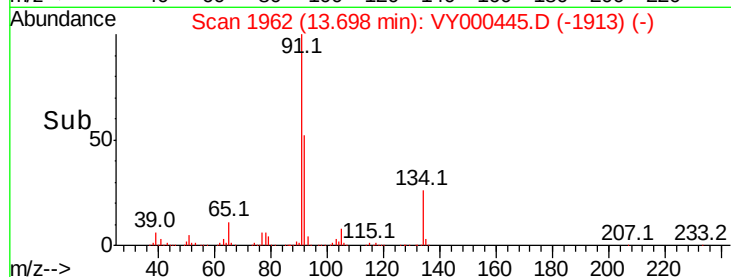
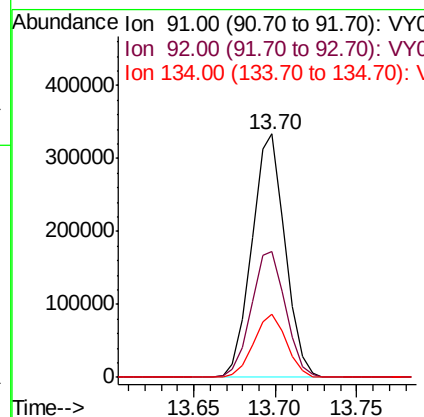
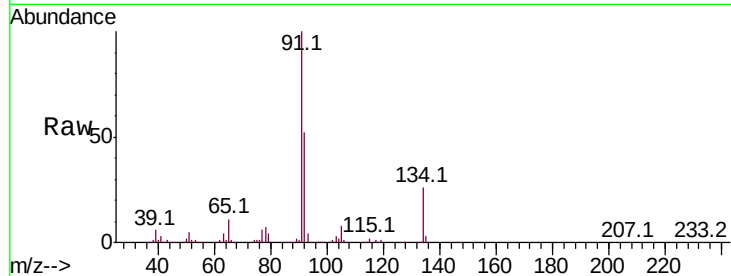
#89
n-Butylbenzene
Concen: 47.899 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.1
134	25.5	13.0	38.9

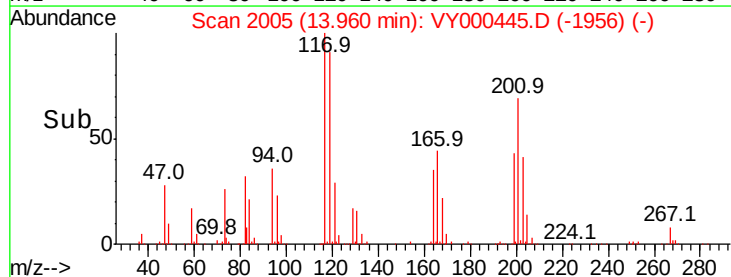
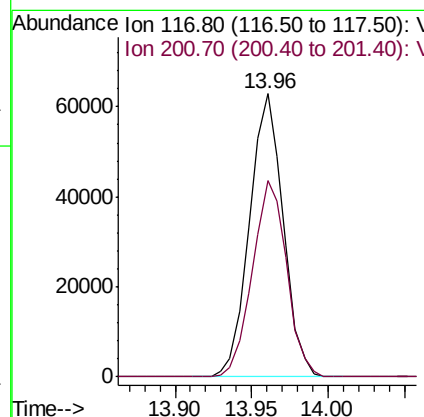
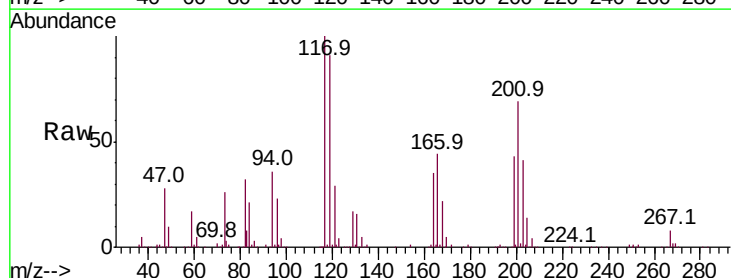
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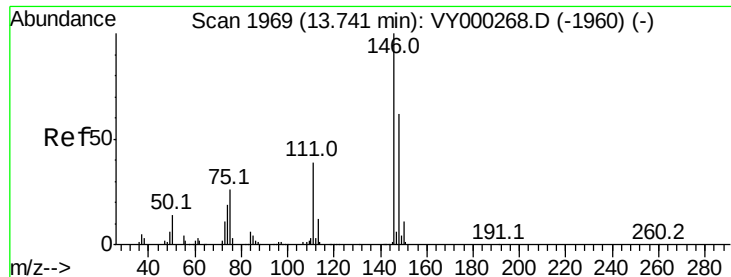
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#90
Hexachloroethane
Concen: 51.944 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	36.3	108.7





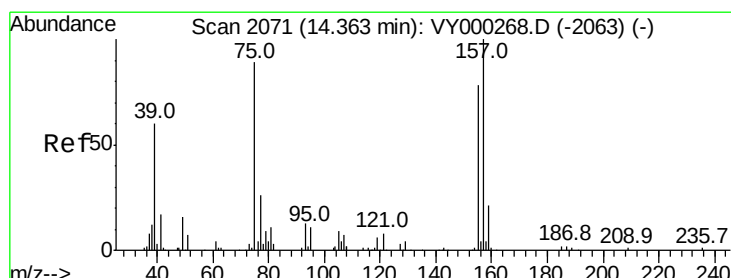
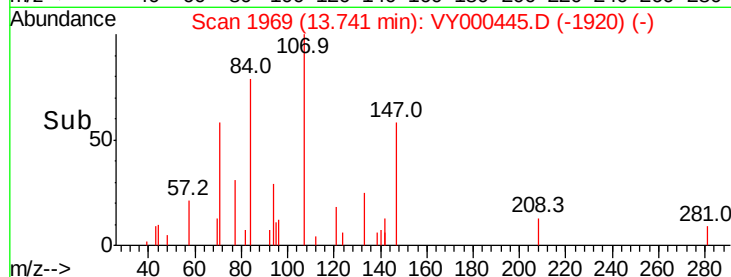
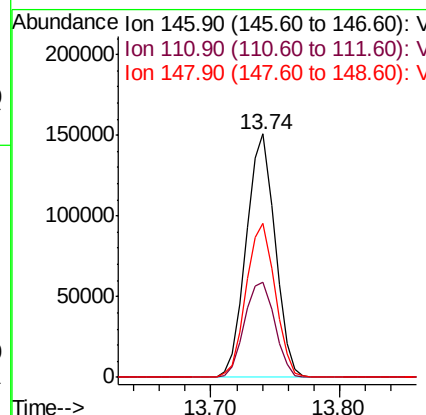
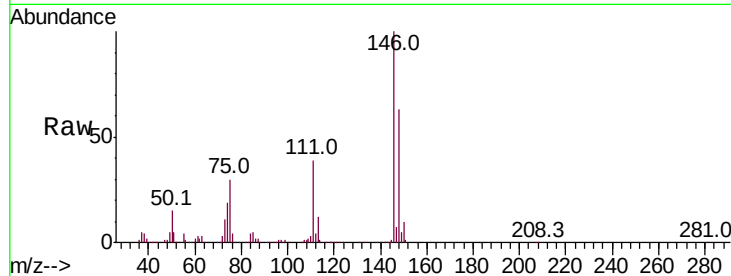
#91
 1,2-Dichlorobenzene
 Concen: 52.608 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.7	31.6	95.0

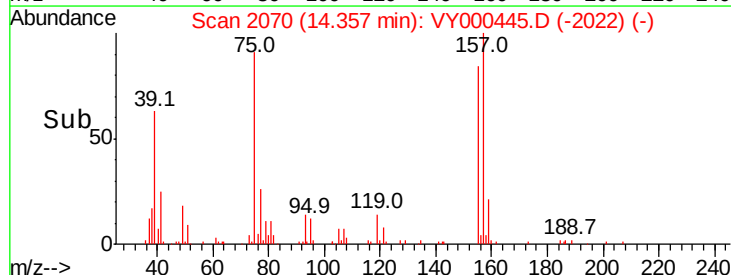
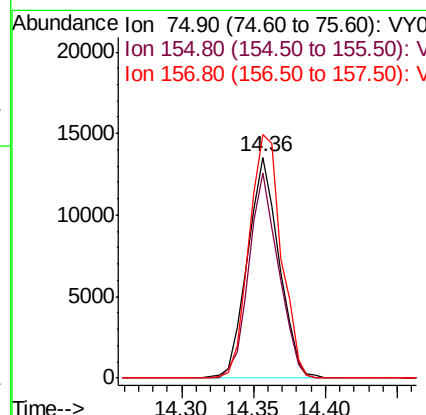
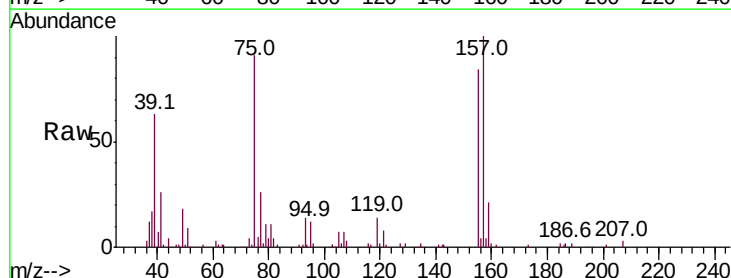
Manual Integrations
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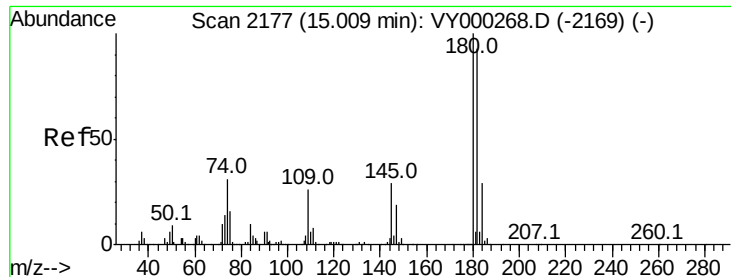
MMDadoda
 10/28/2019 12:38:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.751 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000445.D
 Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	45.8	137.3
157	111.7	55.6	166.9





#93

1,2,4-Trichlorobenzene

Concen: 49.276 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Instrument :

MSVOA_Y

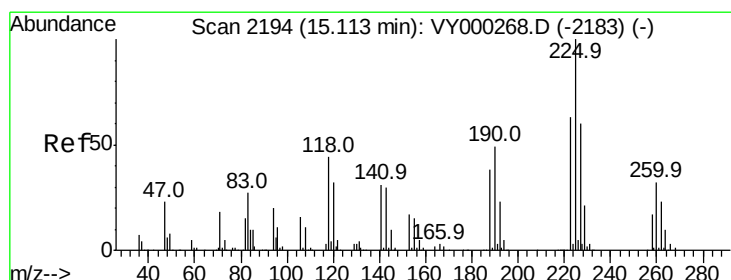
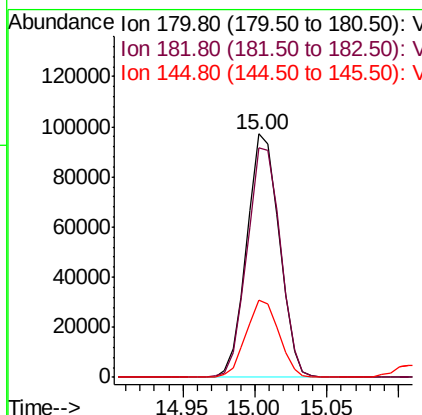
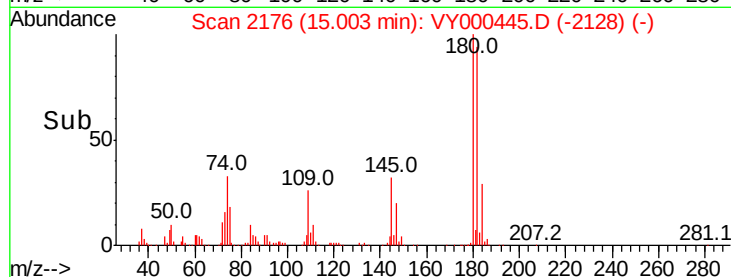
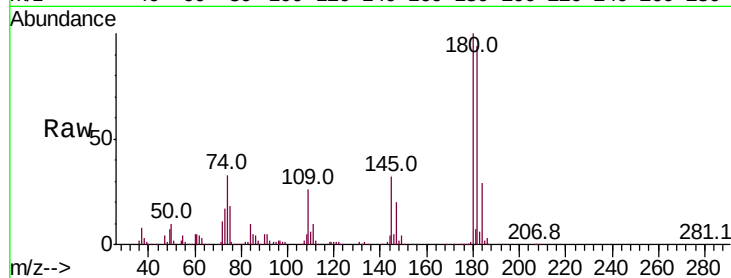
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	151723
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.9	15.4	46.1

Manual Integrations
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10/28/2019 12:38:45 PM



#94

Hexachlorobutadiene

Concen: 48.051 ug/l

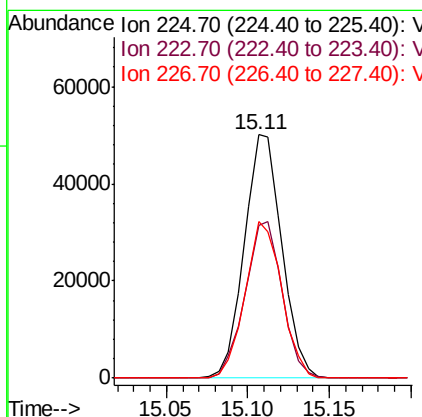
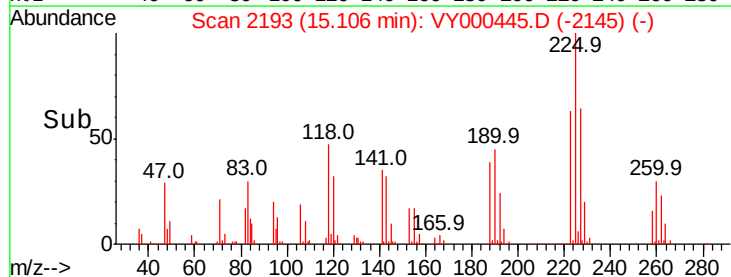
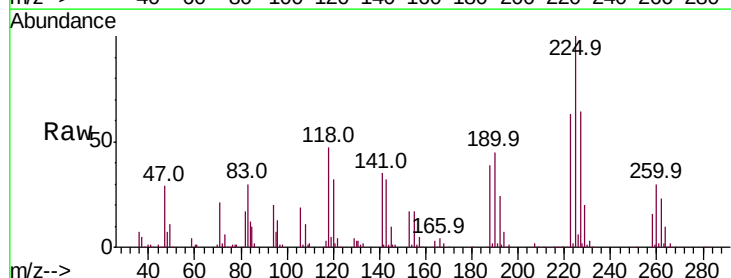
RT: 15.11 min Scan# 2193

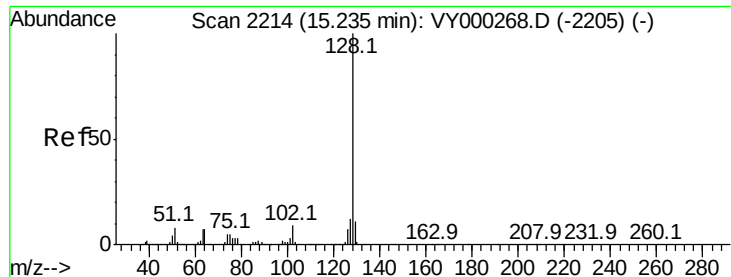
Delta R.T. -0.01 min

Lab File: VY000445.D

Acq: 25 Oct 2019 21:29

Tgt Ion:	225	Resp:	80066
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.9	95.7
227	62.7	31.4	94.2





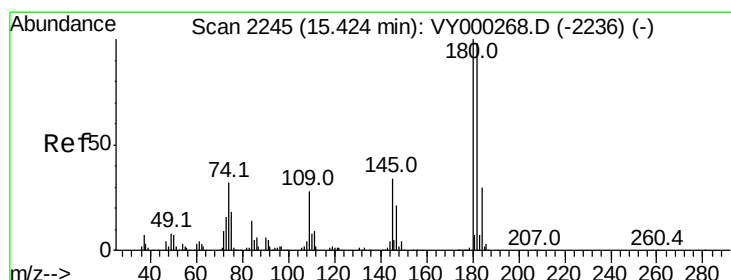
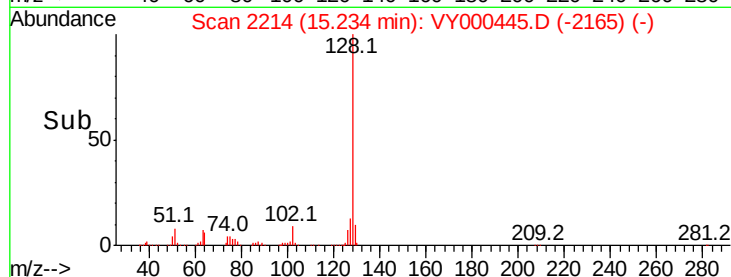
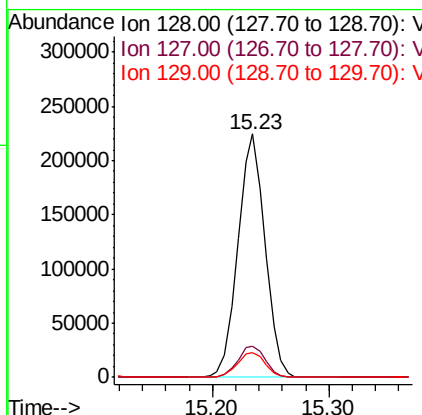
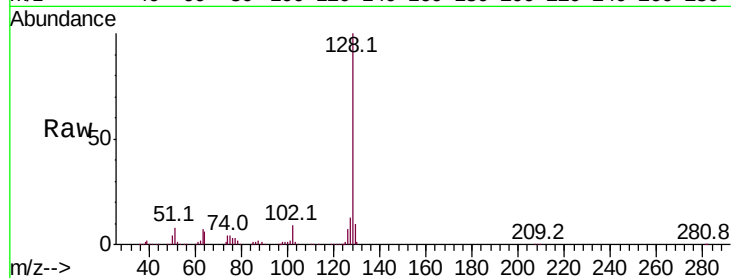
#95
Naphthalene
Concen: 53.052 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	364536		
127	13.0		9.6	14.4
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:38:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.585 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000445.D
Acq: 25 Oct 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145922		
182	96.4		46.5	139.5
145	32.1		16.2	48.5

