

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000269.D
 Acq On : 11 Oct 2019 14:15
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:49 PM

Quant Time: Oct 14 07:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	272033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	457002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	285523	99.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.00%	
35) Dibromofluoromethane	7.74	113	264388	95.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.82%	
50) Toluene-d8	10.19	98	1084030	102.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.46%	
62) 4-Bromofluorobenzene	12.48	95	388660	96.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	208910	86.133	ug/l	98
3) Chloromethane	2.11	50	292690	88.049	ug/l	98
4) Vinyl Chloride	2.25	62	314920	93.871	ug/l	99
5) Bromomethane	2.63	94	211055	83.901	ug/l	98
6) Chloroethane	2.79	64	208498	96.322	ug/l	100
7) Trichlorofluoromethane	3.13	101	433095	94.377	ug/l	99
8) Diethyl Ether	3.53	74	160323	98.894	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	269133	96.705	ug/l	98
10) Methyl Iodide	4.10	142	417689	114.976	ug/l	99
11) Tert butyl alcohol	4.97	59	143884	478.937	ug/l	99
12) 1,1-Dichloroethene	3.88	96	265389	96.594	ug/l	95
13) Acrolein	3.74	56	181800	516.378	ug/l	98
14) Allyl chloride	4.49	41	453501	99.604	ug/l	98
15) Acrylonitrile	5.18	53	454397	500.774	ug/l	98
16) Acetone	3.96	43	482511	519.235	ug/l	94
17) Carbon Disulfide	4.19	76	831126	96.079	ug/l	98
18) Methyl Acetate	4.49	43	228292	98.876	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	766653	100.238	ug/l	99
20) Methylene Chloride	4.72	84	301398	79.093	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	304188	96.501	ug/l	92
22) Diisopropyl ether	6.13	45	1005891	104.456	ug/l	95
23) Vinyl Acetate	6.07	43	3332443	530.446	ug/l	100
24) 1,1-Dichloroethane	6.03	63	518519	98.647	ug/l	99
25) 2-Butanone	7.00	43	669951	511.784	ug/l	97
26) 2,2-Dichloropropane	6.99	77	458845	94.735	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	338269	99.173	ug/l	100
28) Bromochloromethane	7.35	49	240230	106.463	ug/l	99
29) Tetrahydrofuran	7.36	42	411579	518.796	ug/l	99
30) Chloroform	7.52	83	523091	98.818	ug/l	98
31) Cyclohexane	7.80	56	514238	93.669	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	470795	100.039	ug/l	99
36) 1,1-Dichloropropene	7.93	75	425794	95.163	ug/l	98
37) Ethyl Acetate	7.09	43	262991	99.267	ug/l	98
38) Carbon Tetrachloride	7.91	117	414993	95.792	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	557880	95.266	ug/l	97
40) Benzene	8.17	78	1245810	96.348	ug/l	100
41) Methacrylonitrile	7.33	41	127170m	109.284	ug/l	
42) 1,2-Dichloroethane	8.25	62	353424	95.687	ug/l	99
43) Isopropyl Acetate	8.28	43	500485	99.352	ug/l	99
44) Trichloroethene	8.95	130	333246	91.852	ug/l	95
45) 1,2-Dichloropropane	9.23	63	310396	97.819	ug/l	98
46) Dibromomethane	9.32	93	173628	97.882	ug/l	97
47) Bromodichloromethane	9.50	83	412001	98.554	ug/l	98
48) Methyl methacrylate	9.30	41	226667	102.671	ug/l	98
49) 1,4-Dioxane	9.31	88	52456	1972.277	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	1335574	514.035	ug/l	99
52) Toluene	10.25	92	800681	97.532	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	455029	101.565	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	515826	101.383	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	254509	98.681	ug/l	95
56) Ethyl methacrylate	10.52	69	384768	104.666	ug/l	99
57) 1,3-Dichloropropane	10.80	76	439802	99.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	791779	539.982	ug/l	98
59) 2-Hexanone	10.84	43	962024	527.506	ug/l	99
60) Dibromochloromethane	10.99	129	294056	102.866	ug/l	97
61) 1,2-Dibromoethane	11.09	107	246713	99.626	ug/l	99
64) Tetrachloroethene	10.72	164	355622	91.398	ug/l	98
65) Chlorobenzene	11.52	112	839699	97.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	296233	97.768	ug/l	99
67) Ethyl Benzene	11.59	91	1558073	97.442	ug/l	99
68) m/p-Xylenes	11.70	106	1193853	195.310	ug/l	97
69) o-Xylene	12.03	106	567350	97.295	ug/l	100
70) Styrene	12.05	104	1001726	101.861	ug/l	99
71) Bromoform	12.21	173	182673	104.876	ug/l	100
73) Isopropylbenzene	12.33	105	1558530	99.304	ug/l	100
74) N-amyl acetate	12.14	43	435234	112.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	308877	104.820	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	251590m	62.526	ug/l	
77) Bromobenzene	12.61	156	334238	95.705	ug/l	97
78) n-propylbenzene	12.67	91	1881320	99.838	ug/l	99
79) 2-Chlorotoluene	12.76	91	1032858	99.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1289349	97.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123967	109.587	ug/l	98
82) 4-Chlorotoluene	12.86	91	1100262	100.021	ug/l	99
83) tert-Butylbenzene	13.08	119	1088472	97.668	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1285455	98.968	ug/l	99
85) sec-Butylbenzene	13.25	105	1583965	98.248	ug/l	100
86) p-Isopropyltoluene	13.37	119	1396666	99.368	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	659146	95.793	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	667908	97.113	ug/l	97
89) n-Butylbenzene	13.70	91	1398721	100.702	ug/l	99
90) Hexachloroethane	13.96	117	266706	102.473	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	606615	97.414	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	57034	102.052	ug/l	96

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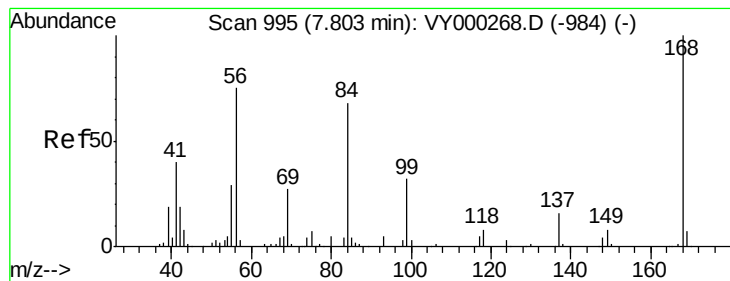
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	399467	92.137	ug/l	99
94) Hexachlorobutadiene	15.11	225	211243	90.033	ug/l	99
95) Naphthalene	15.23	128	932445	96.373	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	365197	93.462	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 272033

Ion Ratio Lower Upper

168 100

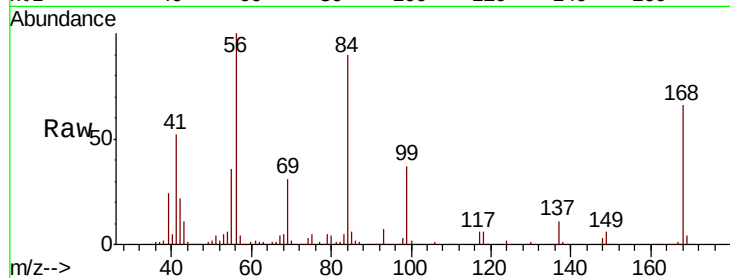
99 55.9 46.6 69.8

Manual Integrations

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10/15/2019 12:33:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

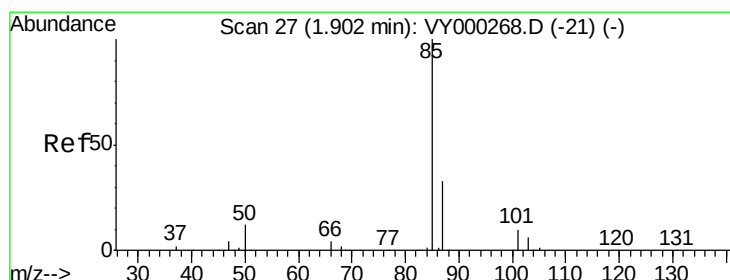
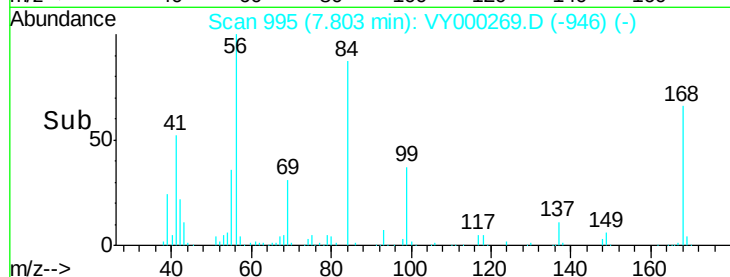
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 86.133 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000269.D

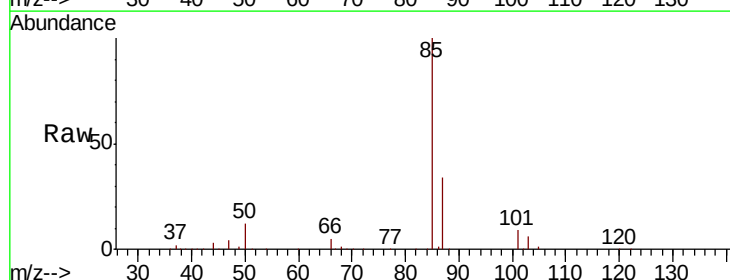
Acq: 11 Oct 2019 14:15

Tgt Ion: 85 Resp: 208910

Ion Ratio Lower Upper

85 100

87 34.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

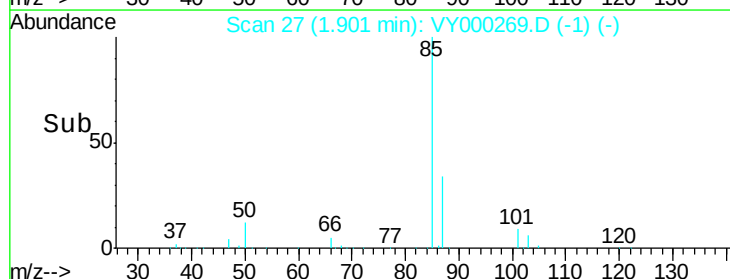
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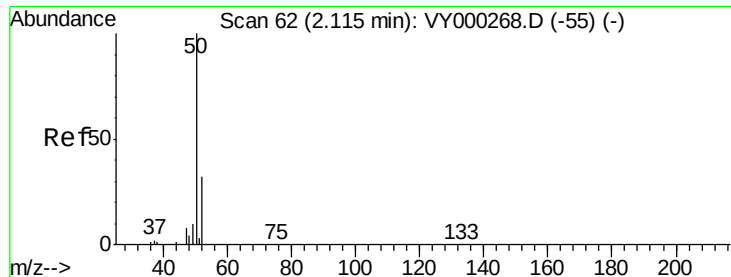
100000

50000

0

Time-->





#3

Chloromethane

Concen: 88.049 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 292690

Ion Ratio Lower Upper

50 100

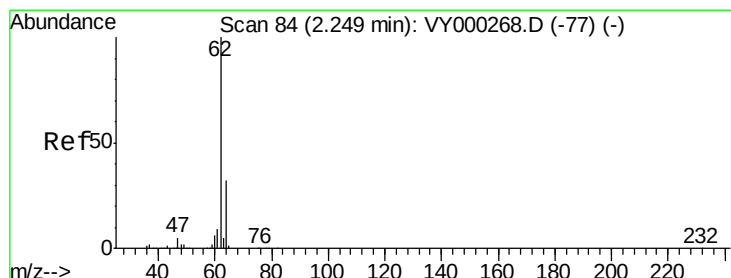
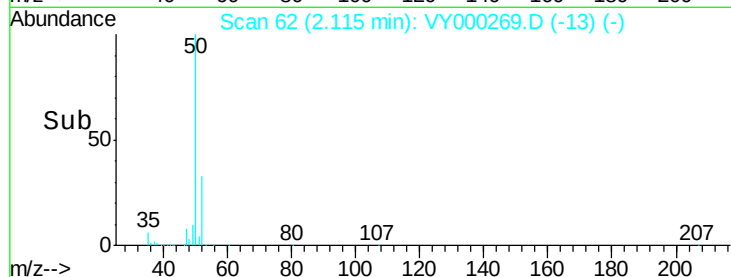
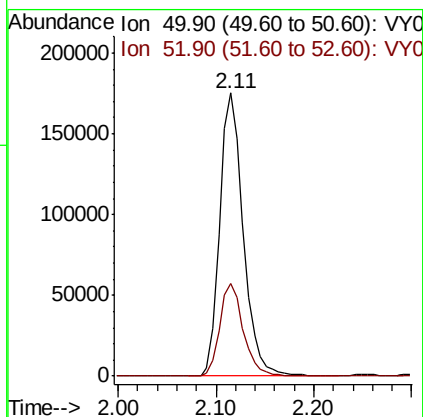
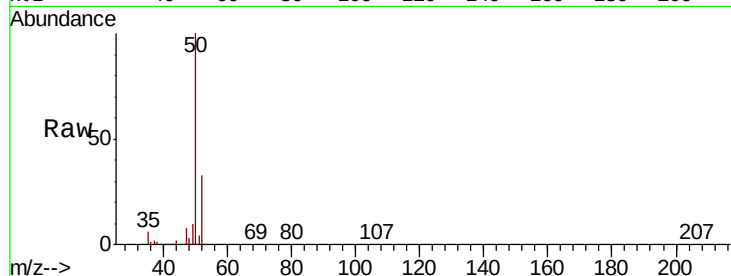
52 33.0 25.3 37.9

Manual Integrations

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10/15/2019 12:33:49 PM



#4

Vinyl Chloride

Concen: 93.871 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000269.D

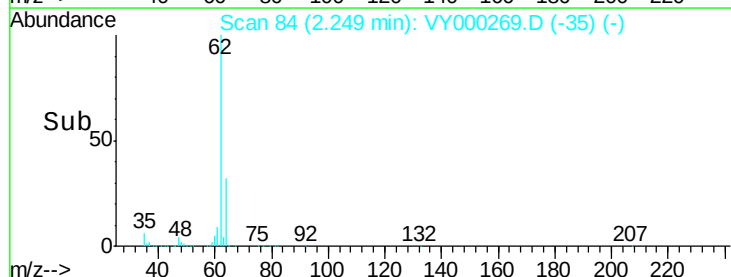
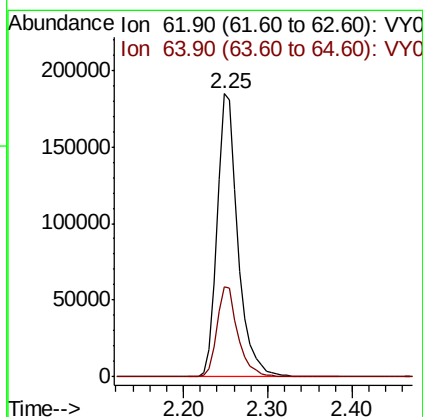
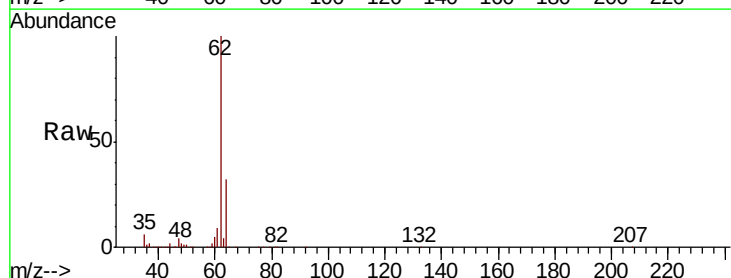
Acq: 11 Oct 2019 14:15

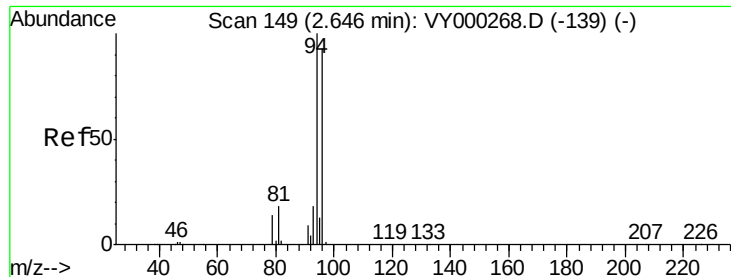
Tgt Ion: 62 Resp: 314920

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 83.901 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 211055

Ion Ratio Lower Upper

94 100

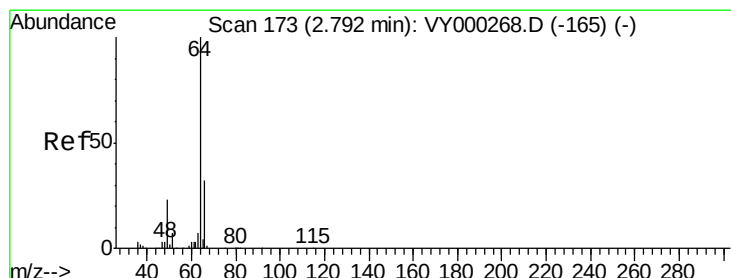
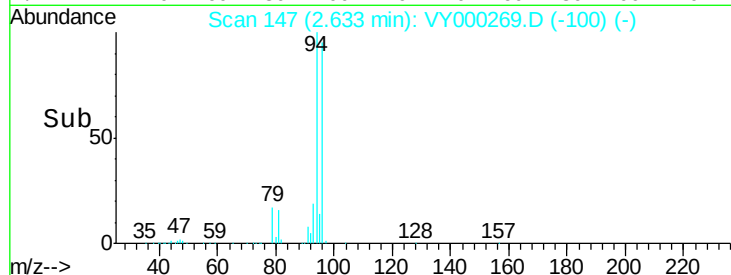
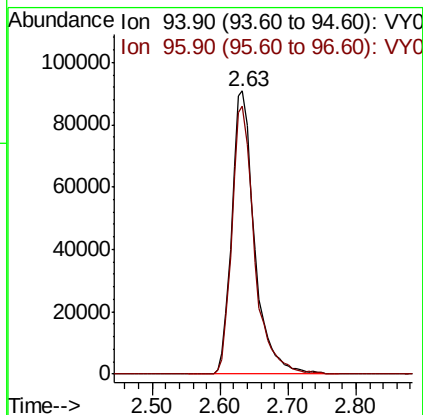
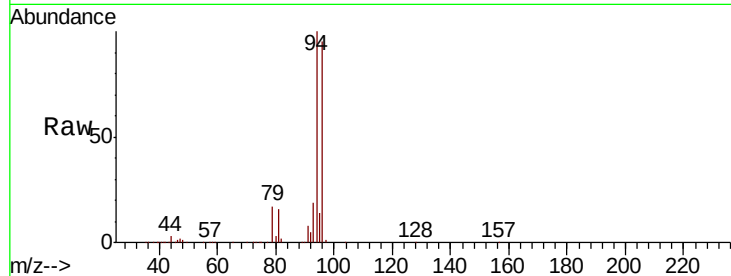
96 94.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 96.322 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000269.D

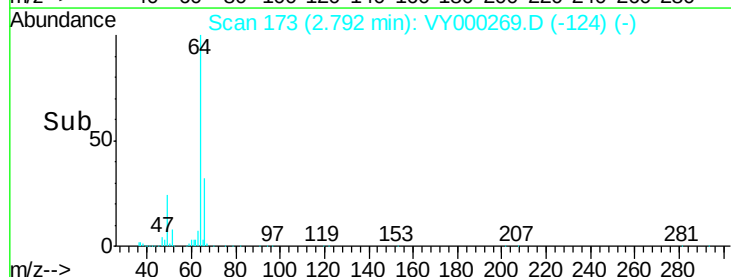
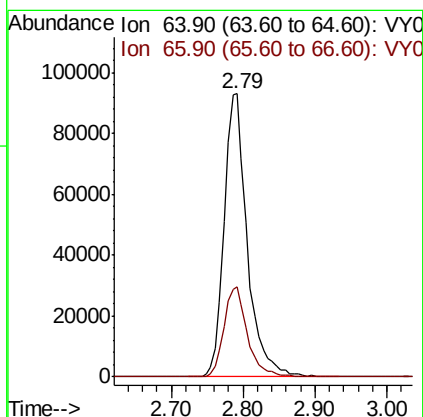
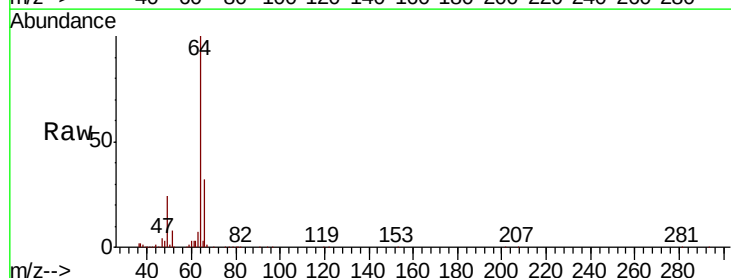
Acq: 11 Oct 2019 14:15

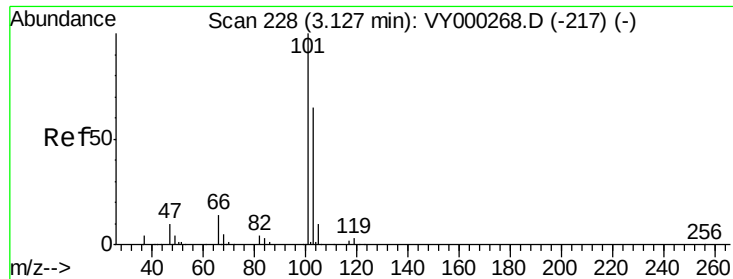
Tgt Ion: 64 Resp: 208498

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

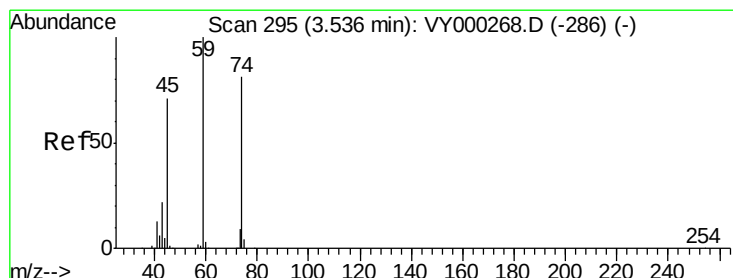
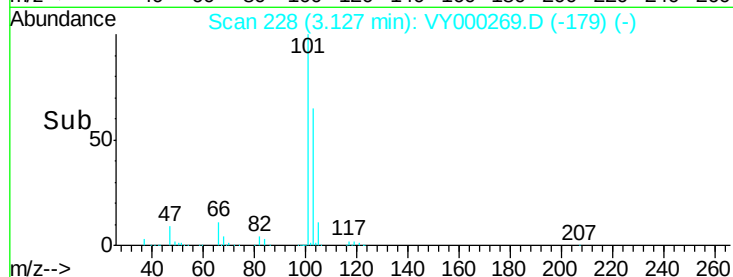
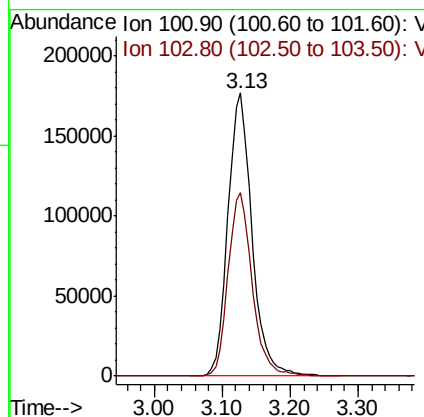
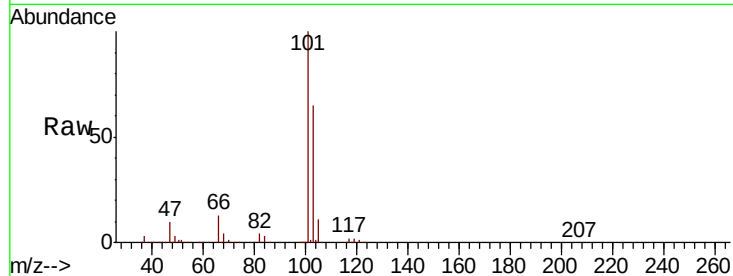
Trichlorofluoromethane
 Concen: 94.377 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.4

Manual Integrations
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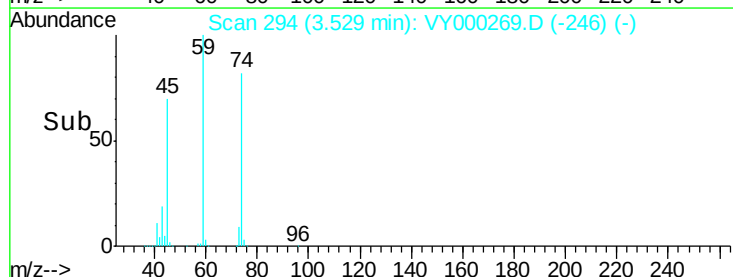
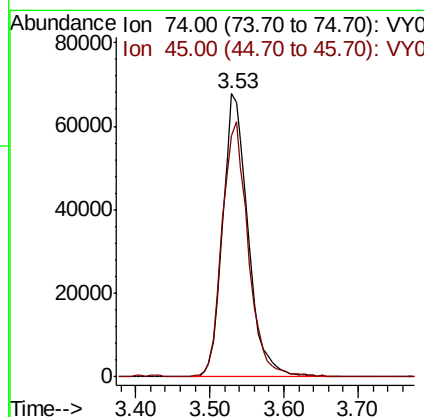
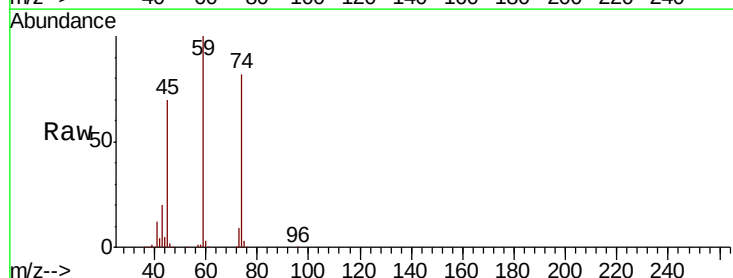
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 10/15/2019 12:33:49 PM

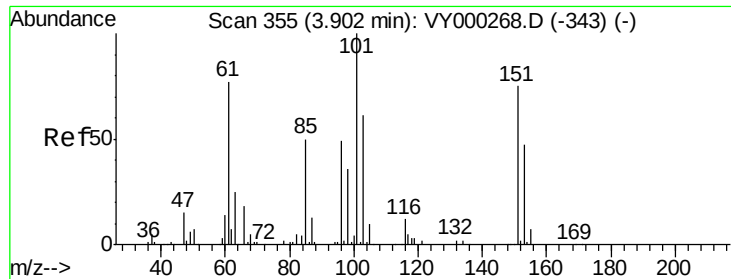


#8

Diethyl Ether
 Concen: 98.894 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	47.1	141.4





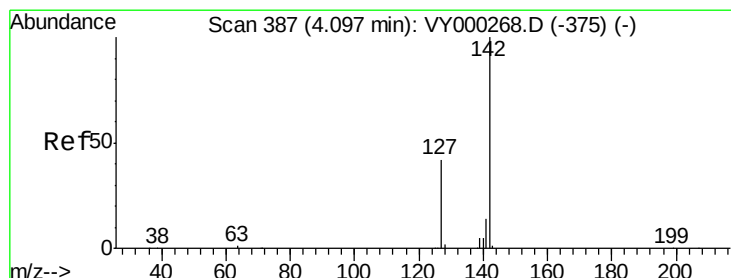
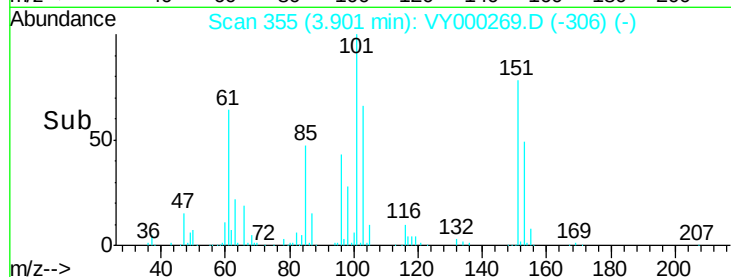
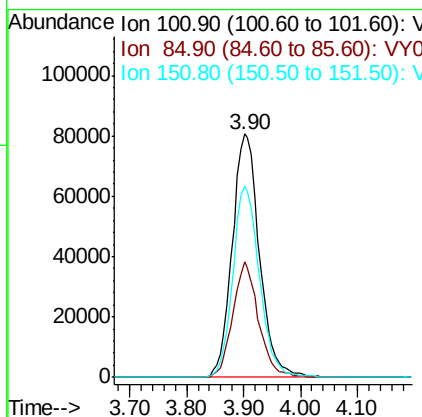
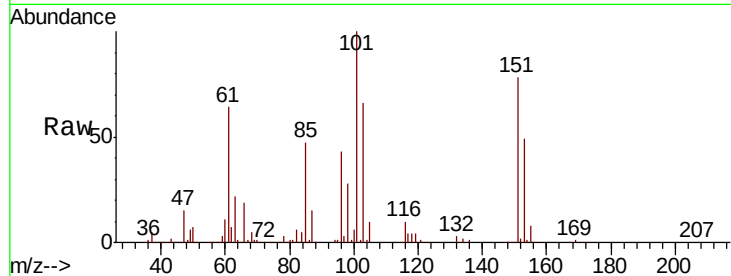
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 96.705 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	269133		
85	44.8	36.6	55.0	
151	77.0	63.1	94.7	

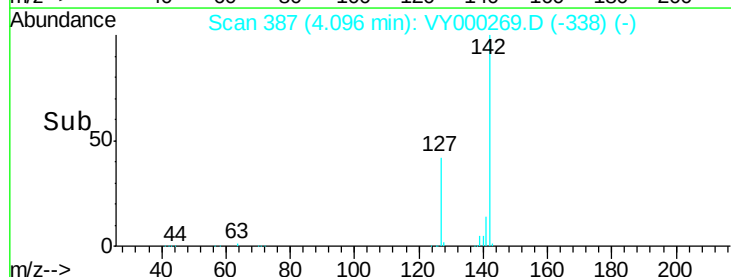
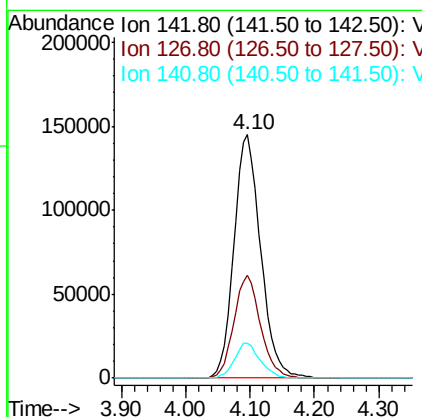
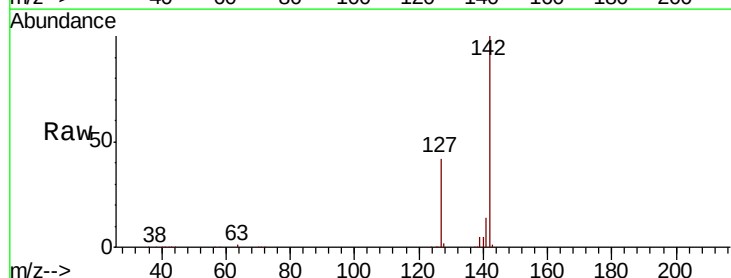
Manual Integrations
 APPROVED

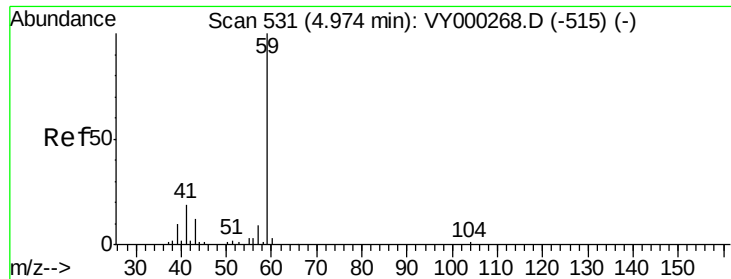
MMDadoda
 10/15/2019 12:33:49 PM



#10
 Methyl Iodide
 Concen: 114.976 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	417689		
127	42.0	33.9	50.9	
141	14.0	11.2	16.8	





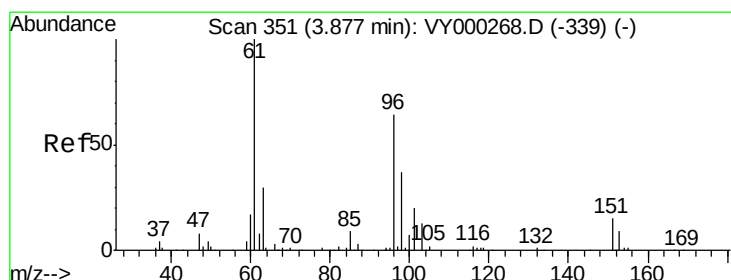
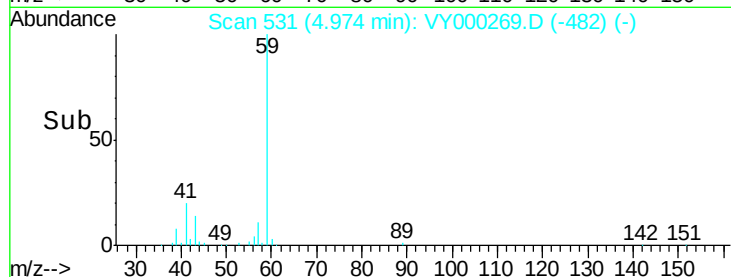
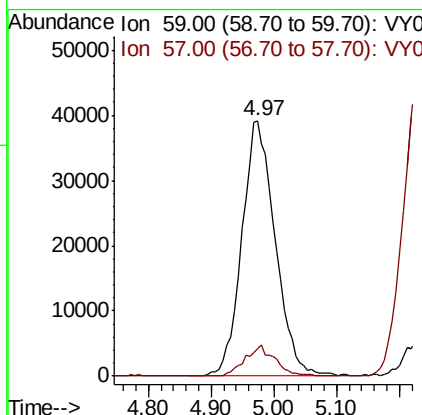
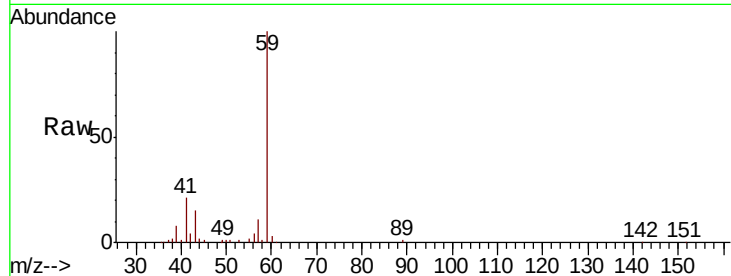
#11
Tert butyl alcohol
Concen: 478.937 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	143884
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

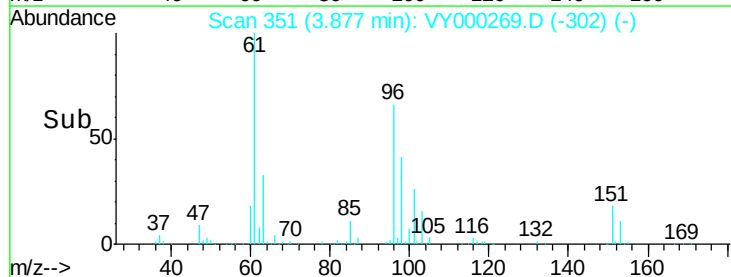
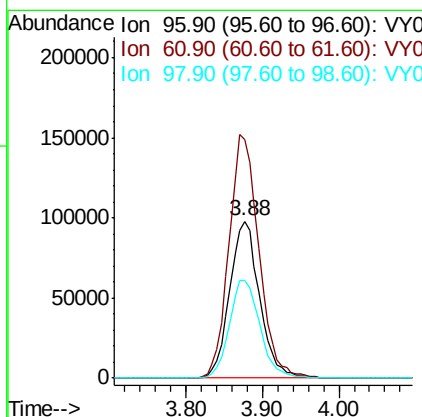
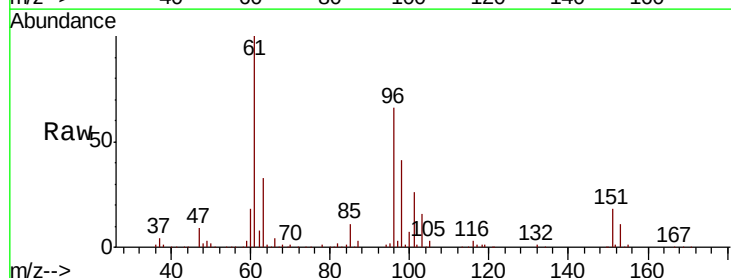
Manual Integrations
APPROVED

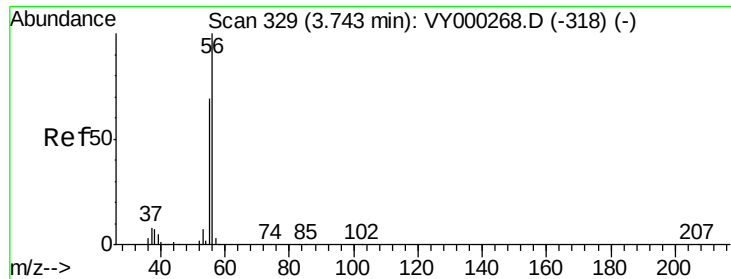
MMDadoda
10/15/2019 12:33:49 PM



#12
1,1-Dichloroethene
Concen: 96.594 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	96	Resp	265389
Ion Ratio	100	Lower	Upper
61	151.4	125.8	188.6
98	61.9	46.2	69.2





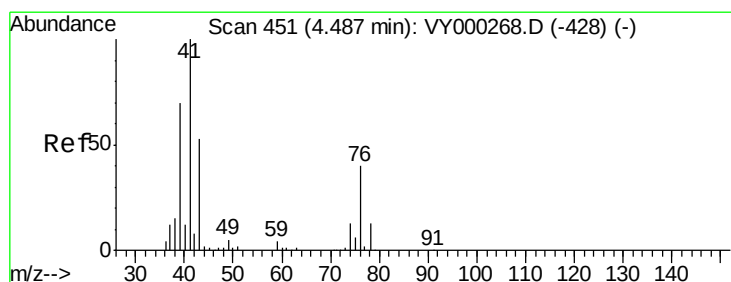
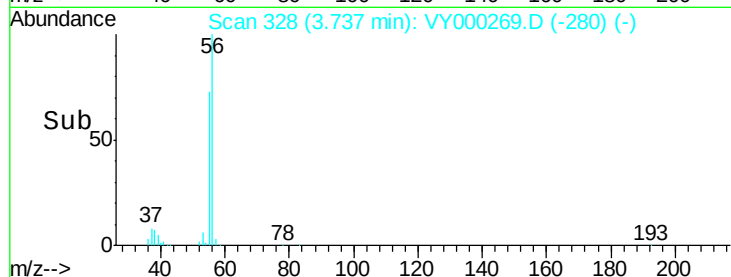
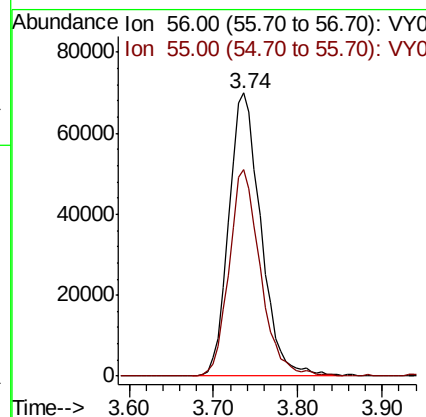
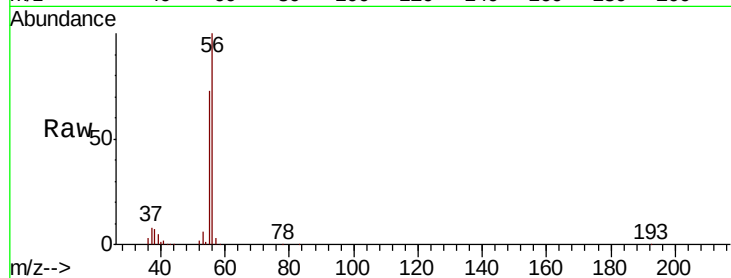
#13
Acrolein
Concen: 516.378 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.7	83.5

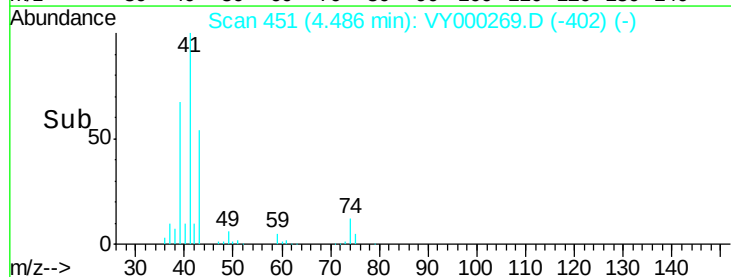
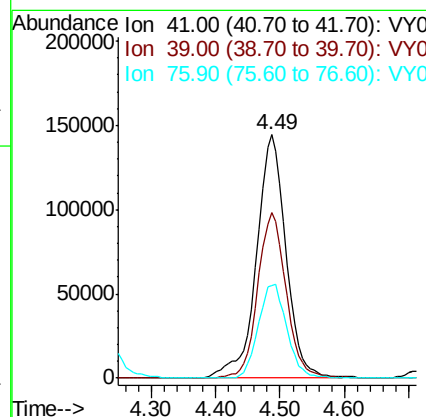
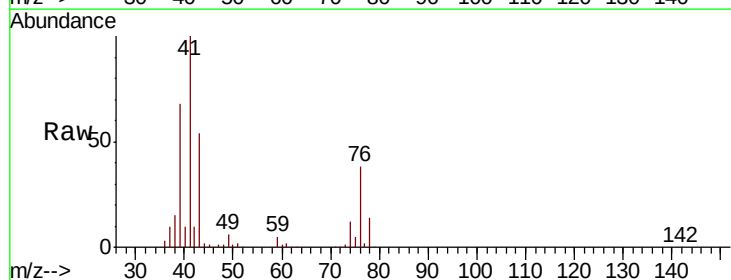
Manual Integrations
APPROVED

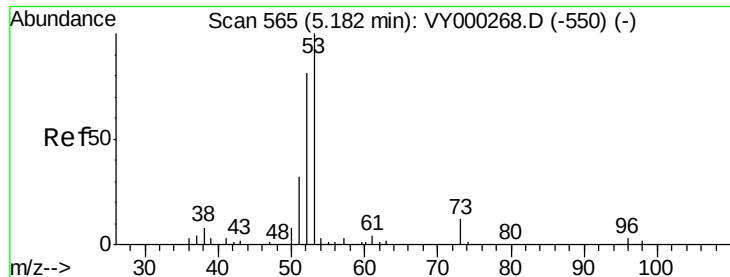
MMDadoda
10/15/2019 12:33:49 PM



#14
Allyl chloride
Concen: 99.604 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	54.0	81.0
76	37.4	30.7	46.1





#15

Acrylonitrile

Concen: 500.774 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

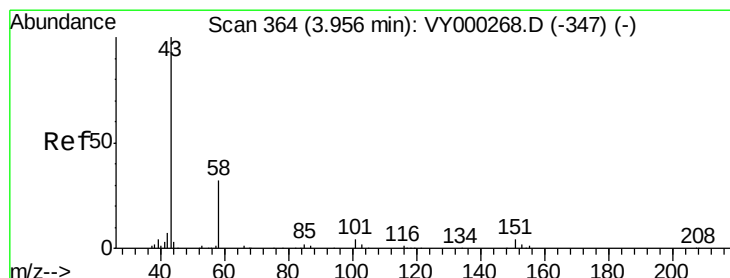
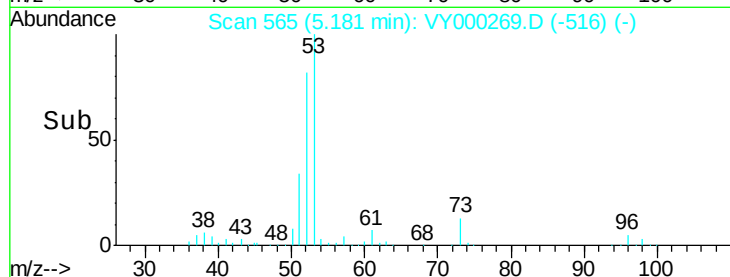
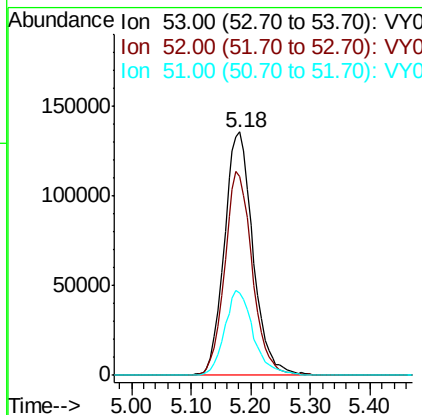
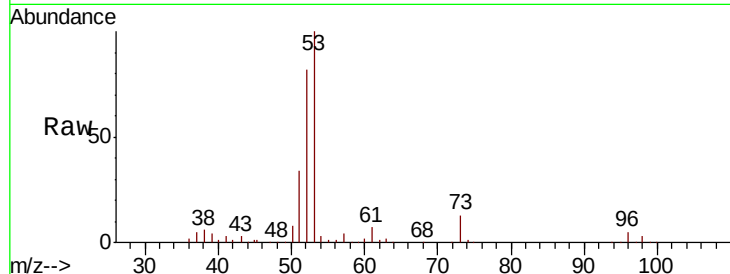
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	454397
Ion	Ratio	Lower	Upper
53	100		
52	80.5	62.9	94.3
51	34.9	26.9	40.3

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:33:49 PM



#16

Acetone

Concen: 519.235 ug/l

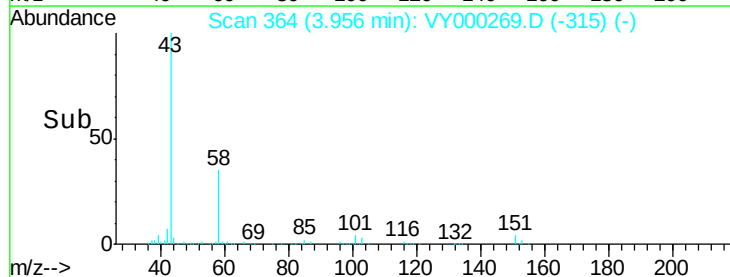
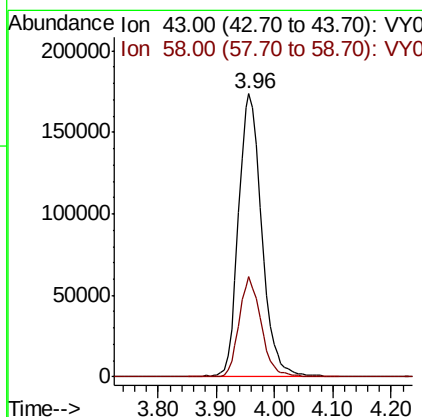
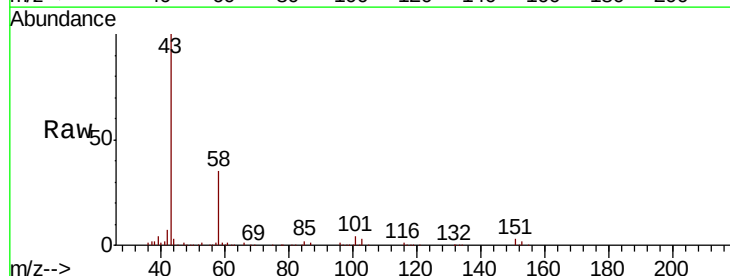
RT: 3.96 min Scan# 364

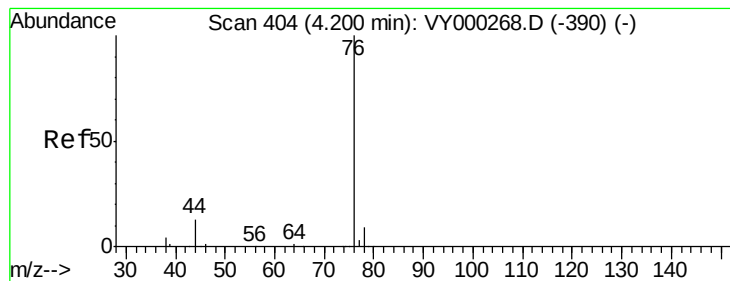
Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion:	43	Resp:	482511
Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.8	38.6





#17

Carbon Disulfide

Concen: 96.079 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 831126

Ion Ratio Lower Upper

76 100

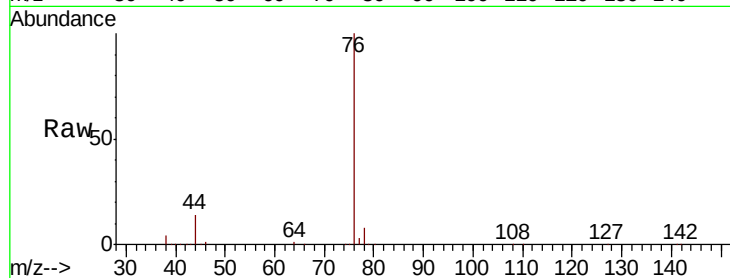
78 8.1 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

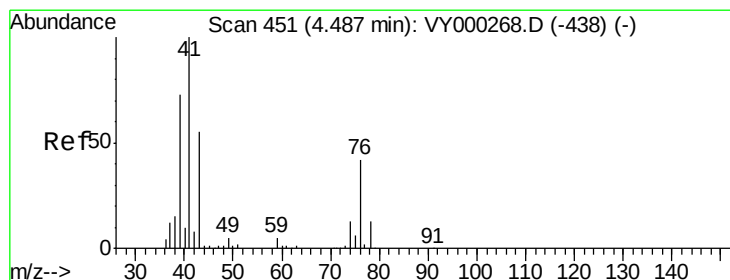
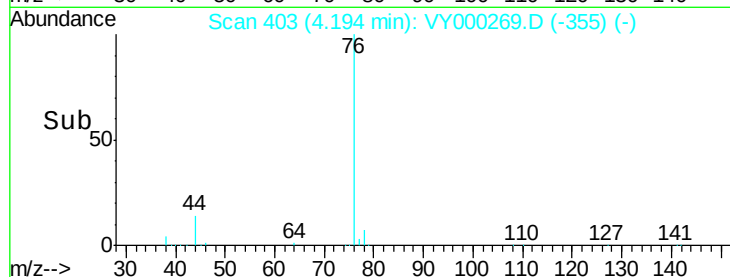
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 98.876 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000269.D

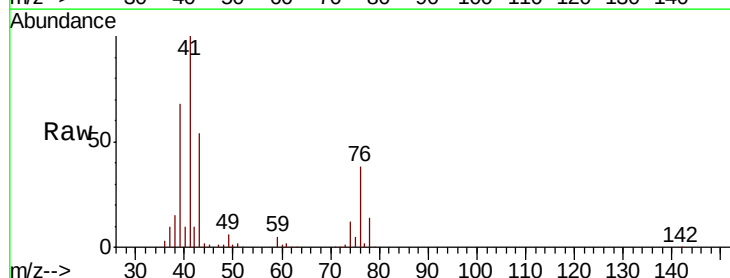
Acq: 11 Oct 2019 14:15

Tgt Ion: 43 Resp: 228292

Ion Ratio Lower Upper

43 100

74 23.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

80000

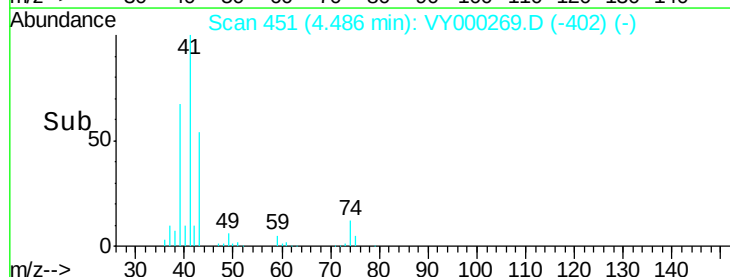
60000

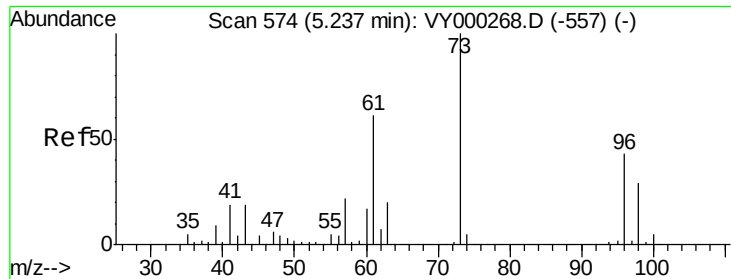
40000

20000

0

Time-->





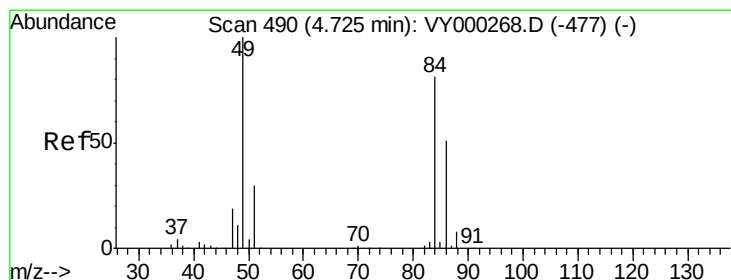
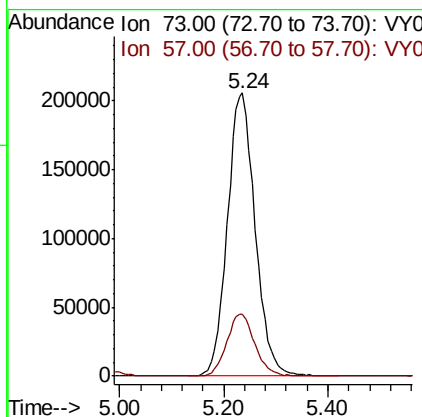
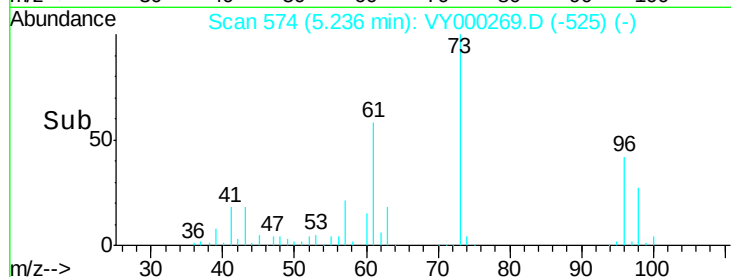
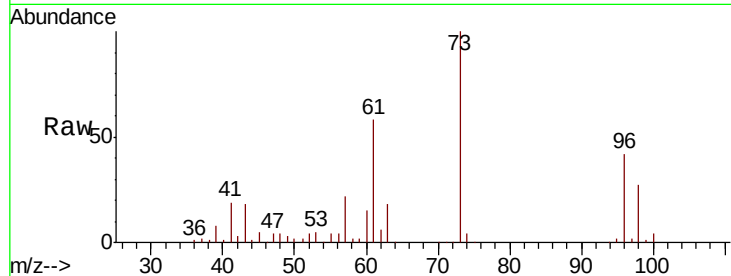
#19
Methyl tert-butyl Ether
Concen: 100.238 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 766653
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

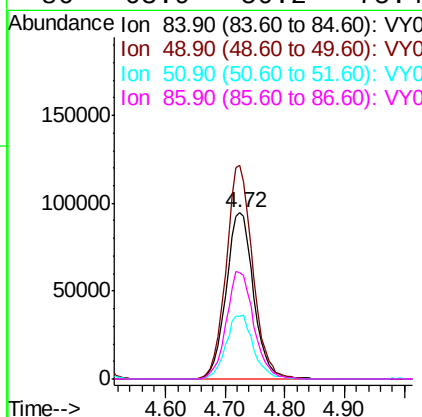
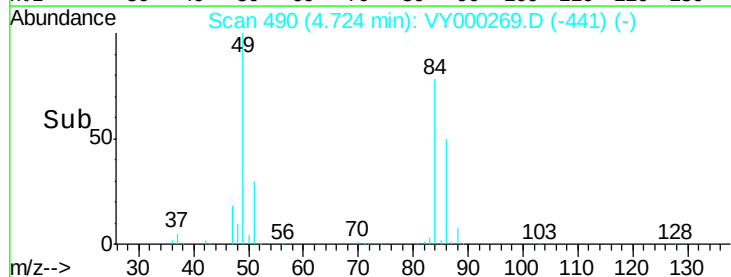
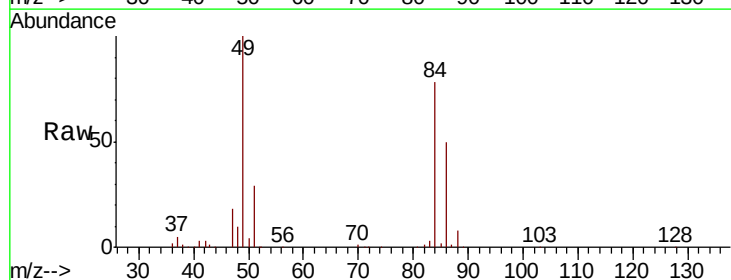
Manual Integrations
APPROVED

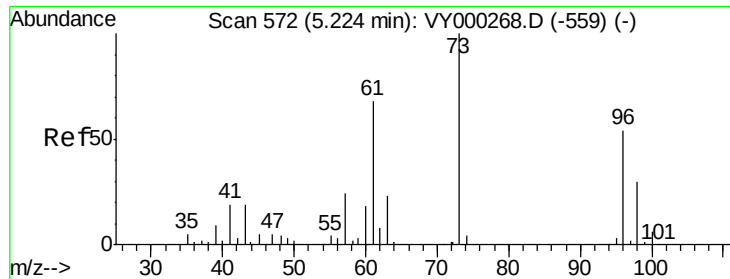
MMDadoda
10/15/2019 12:33:49 PM



#20
Methylene Chloride
Concen: 79.093 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion: 84 Resp: 301398
Ion Ratio Lower Upper
84 100
49 128.5 99.0 148.4
51 37.9 29.3 43.9
86 63.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 96.501 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 304188

Ion Ratio Lower Upper

96 100

61 133.4 100.4 150.6

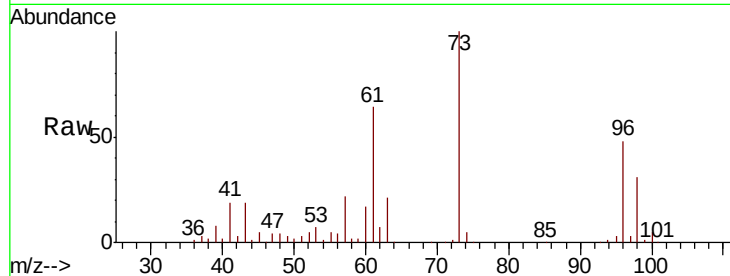
98 63.7 44.6 66.8

Manual Integrations

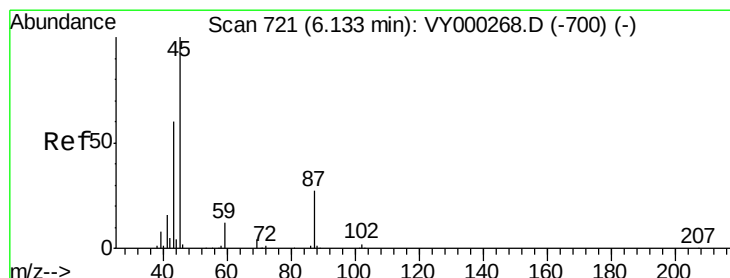
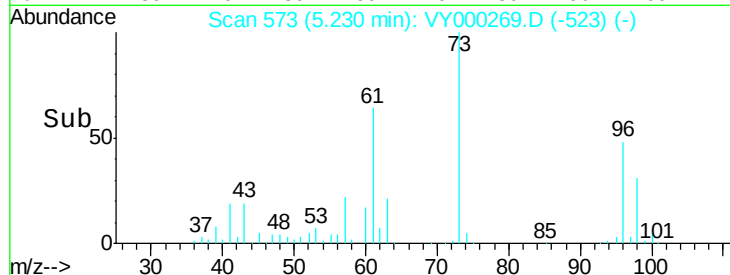
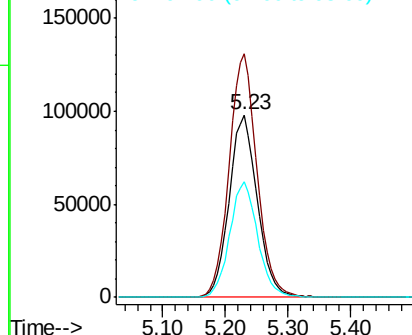
APPROVED

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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 104.456 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion: 45 Resp: 1005891

Ion Ratio Lower Upper

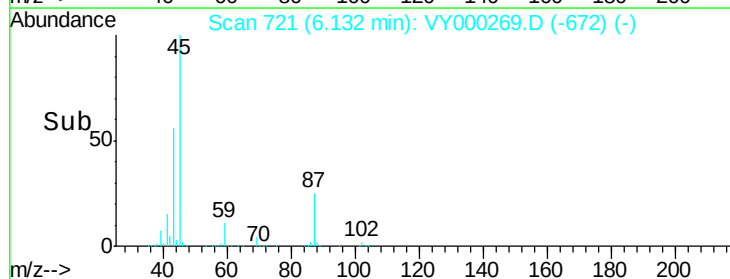
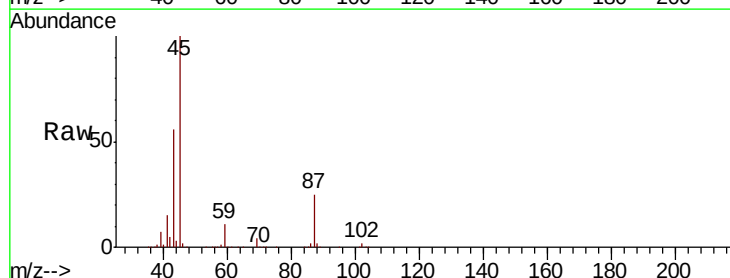
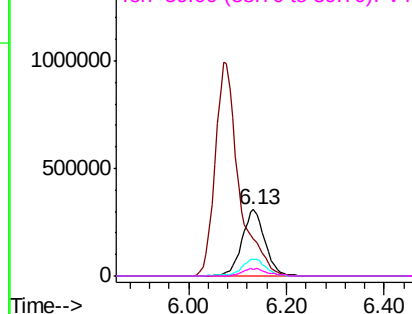
45 100

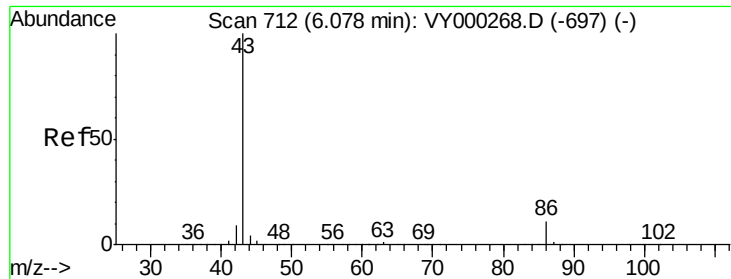
43 55.8 48.5 72.7

87 25.0 21.5 32.3

59 10.7 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 530.446 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3332443

Ion Ratio Lower Upper

43 100

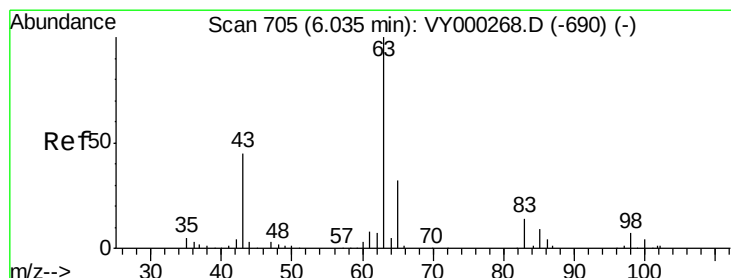
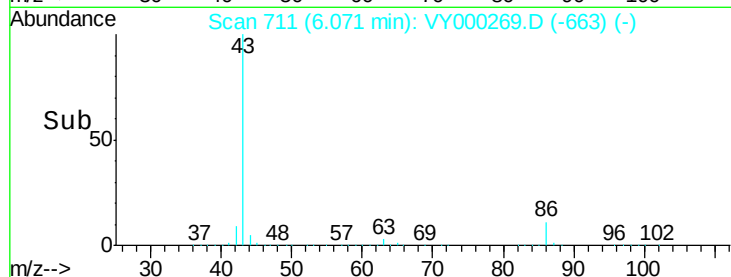
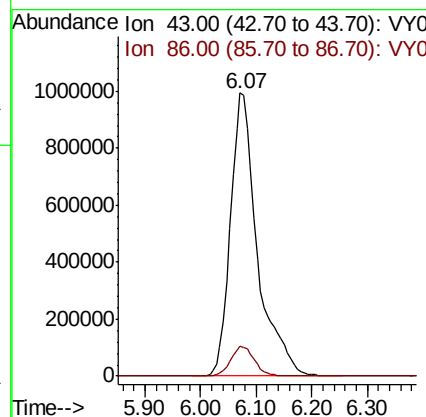
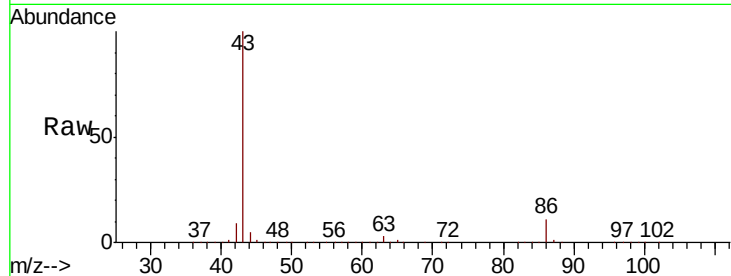
86 10.7 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

10/15/2019 12:33:49 PM



#24

1,1-Dichloroethane

Concen: 98.647 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

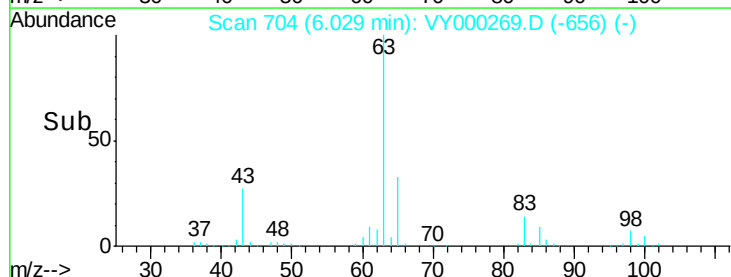
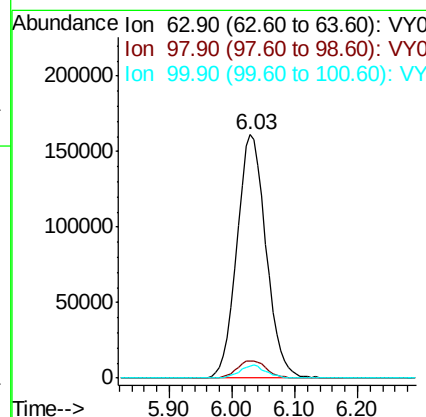
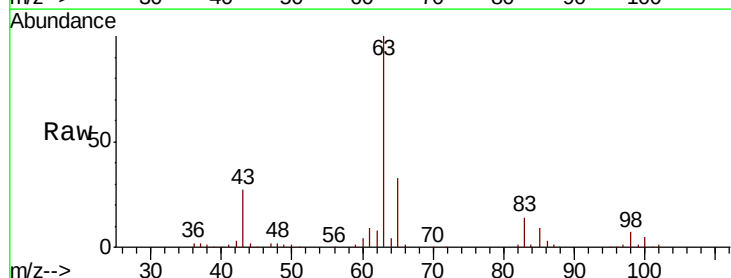
Tgt Ion: 63 Resp: 518519

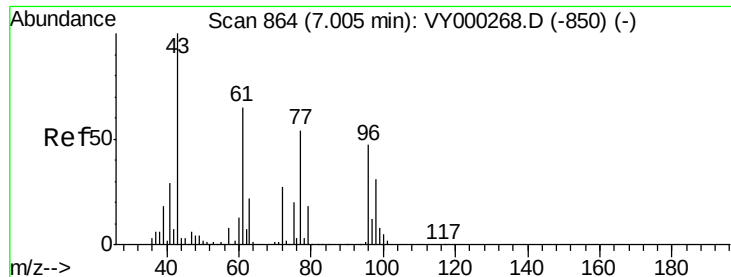
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 511.784 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tot Ion: 43 Resp: 669951

Ion Ratio Lower Upper

43 100

72 25.1 21.4 32.2

Instrument :

MSVOA_Y

ClientSampleId :

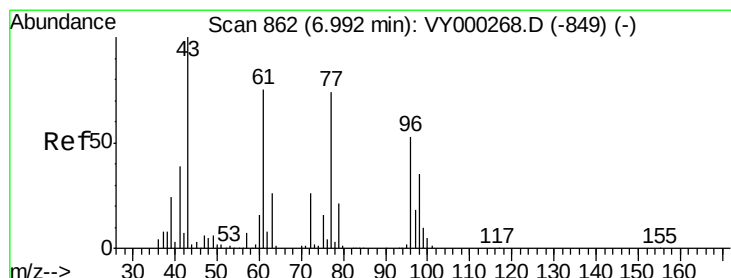
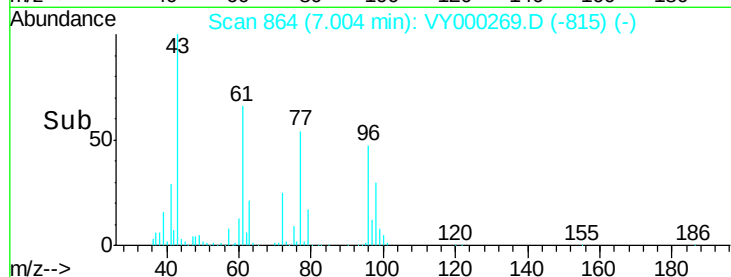
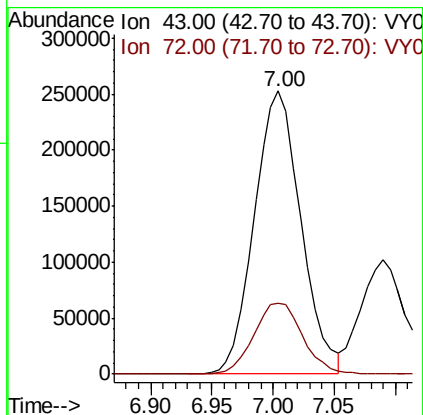
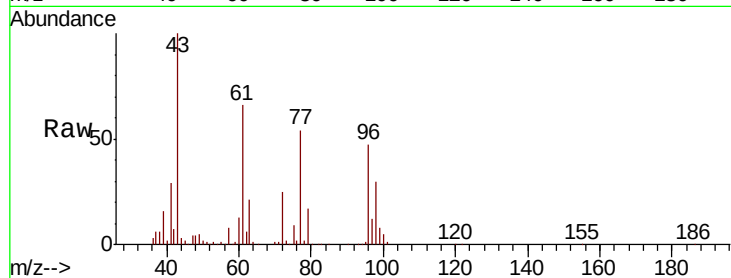
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

10/15/2019 12:33:49 PM



#26

2,2-Dichloropropane

Concen: 94.735 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000269.D

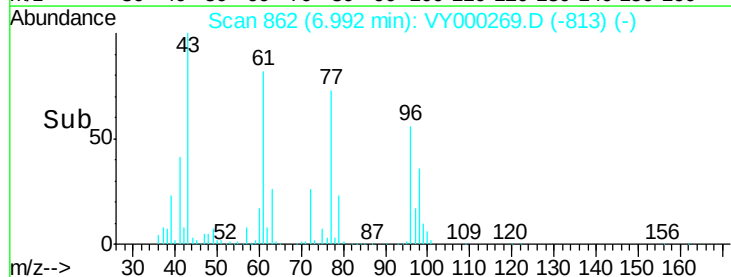
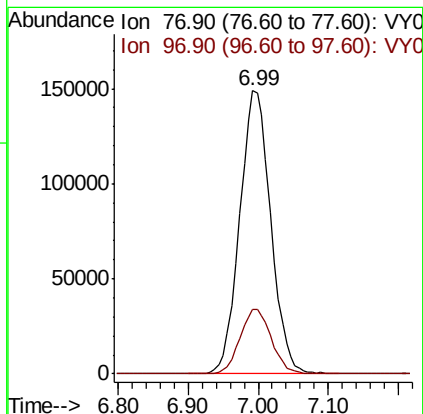
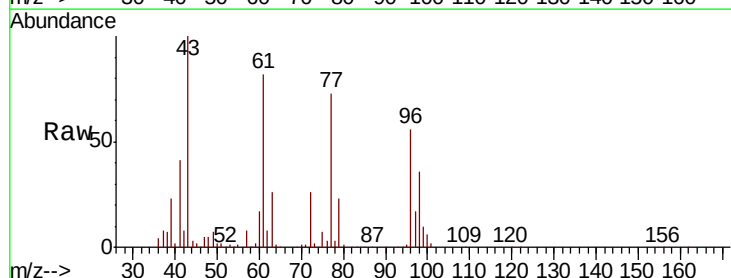
Acq: 11 Oct 2019 14:15

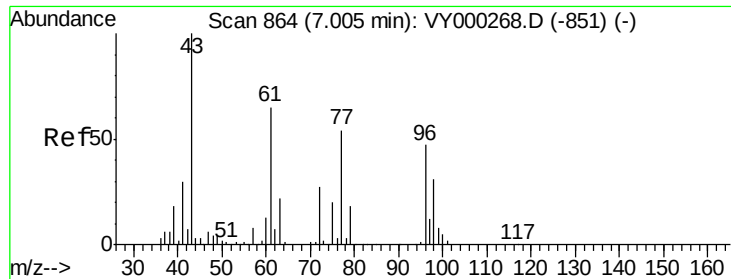
Tgt Ion: 77 Resp: 458845

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





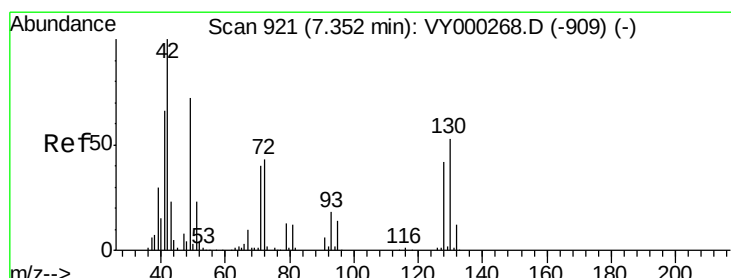
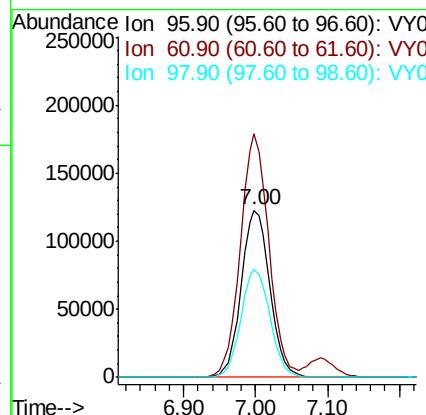
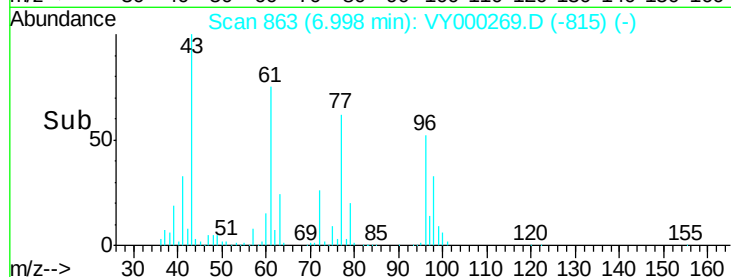
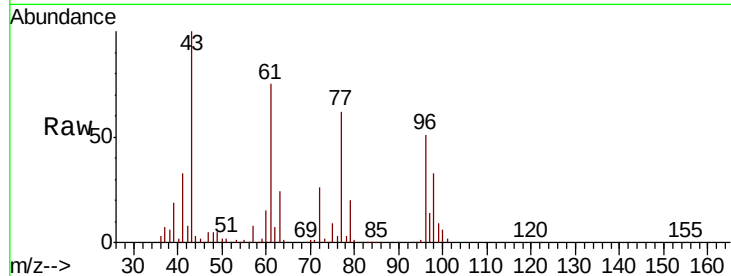
#27
 cis-1,2-Dichloroethene
 Concen: 99.173 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.9	0.0	289.8	
98	65.7	0.0	131.8	

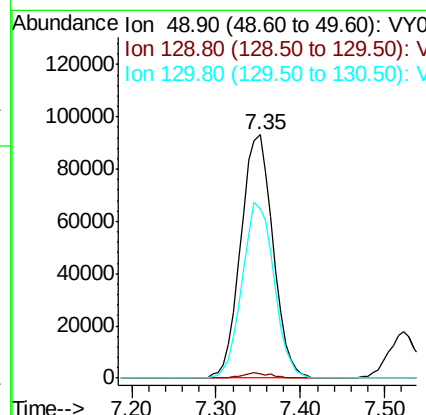
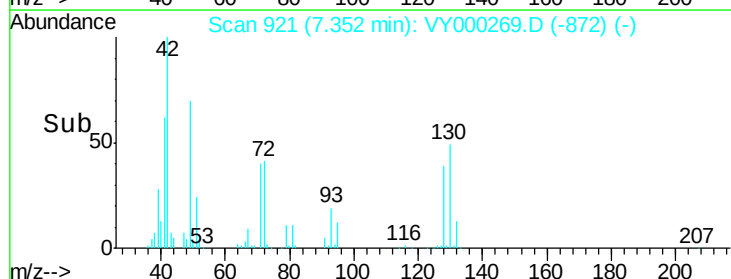
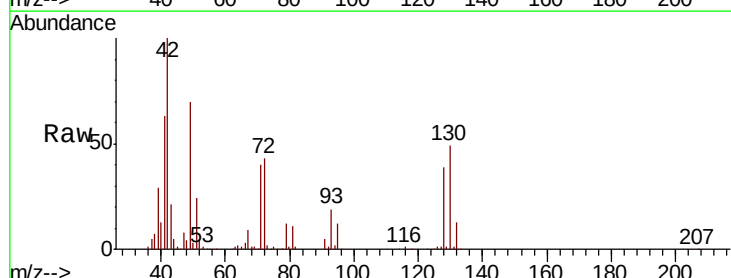
Manual Integrations
 APPROVED

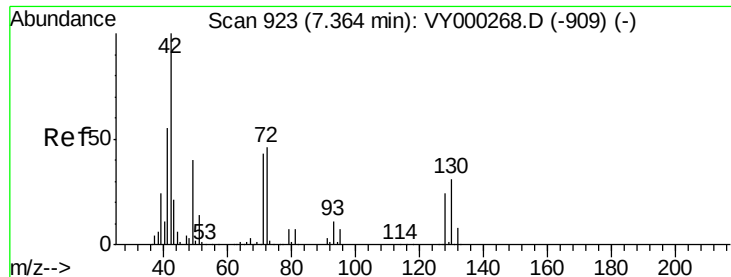
MMDadoda
 10/15/2019 12:33:49 PM



#28
 Bromochloromethane
 Concen: 106.463 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	71.6	58.2	87.2	





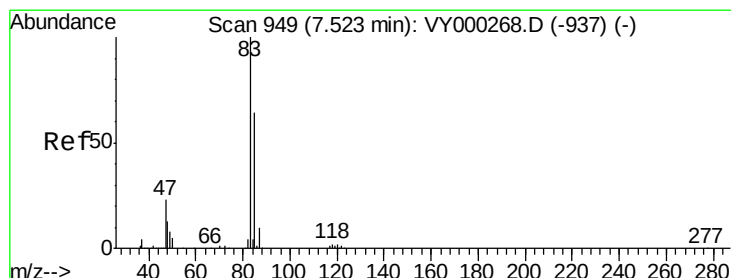
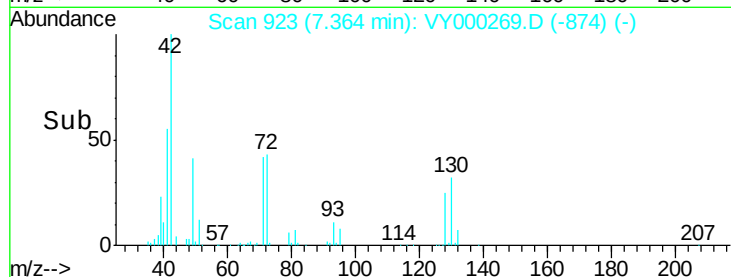
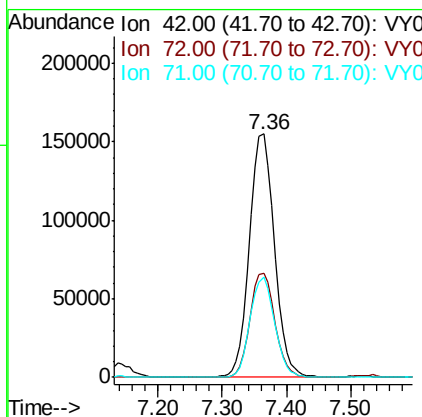
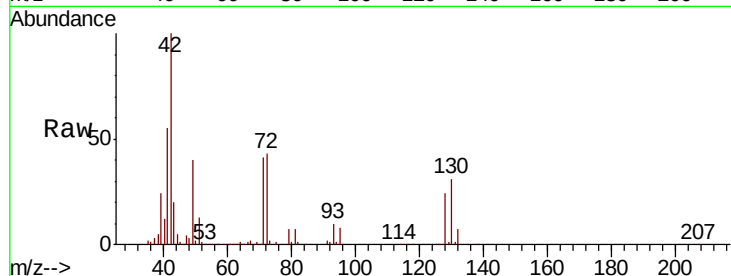
#29
Tetrahydrofuran
Concen: 518.796 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.5	51.7
71	40.3	32.7	49.1

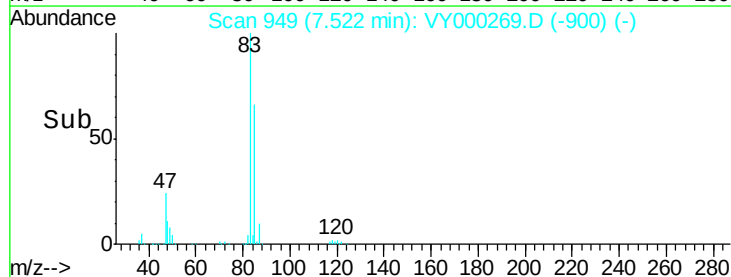
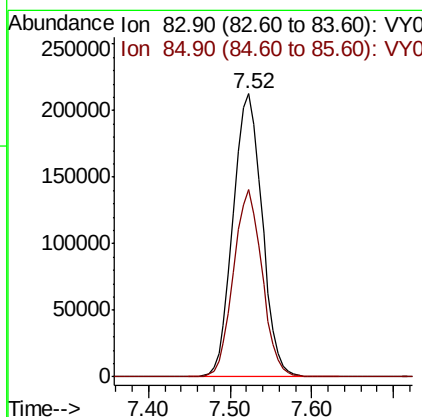
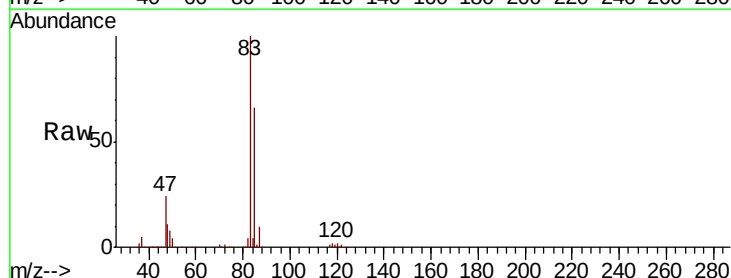
Manual Integrations
APPROVED

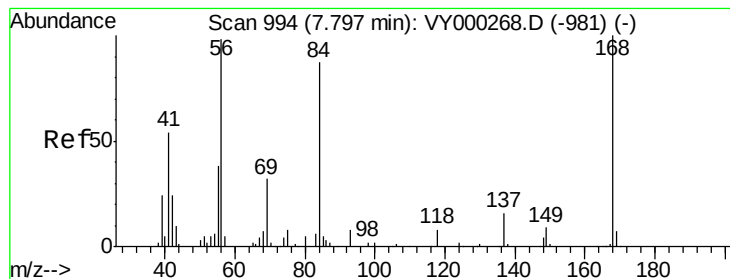
MMDadoda
10/15/2019 12:33:49 PM



#30
Chloroform
Concen: 98.818 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.4	77.2





#31

Cyclohexane

Concen: 93.669 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 514238

Ion Ratio Lower Upper

56 100

69 29.7 26.3 39.5

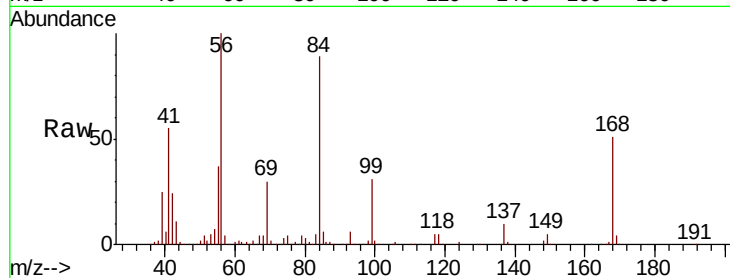
84 87.7 70.8 106.2

Manual Integrations

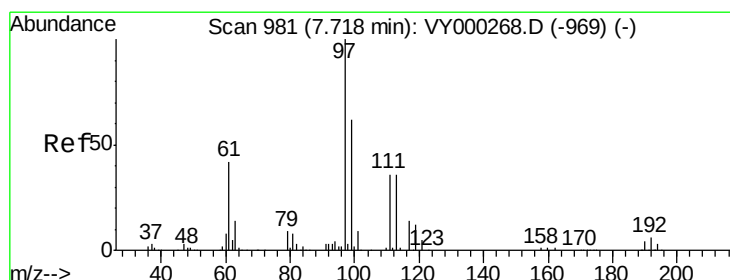
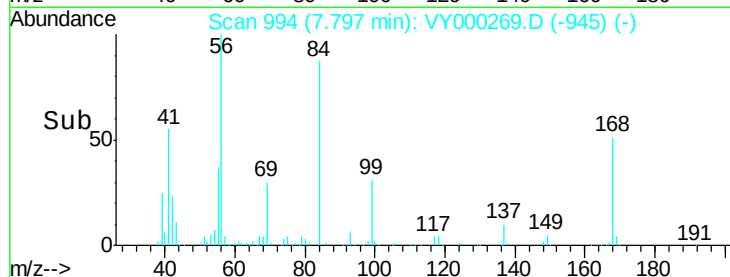
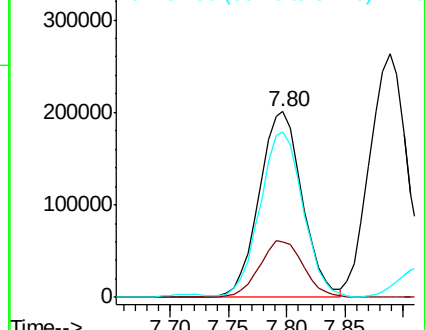
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 100.039 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

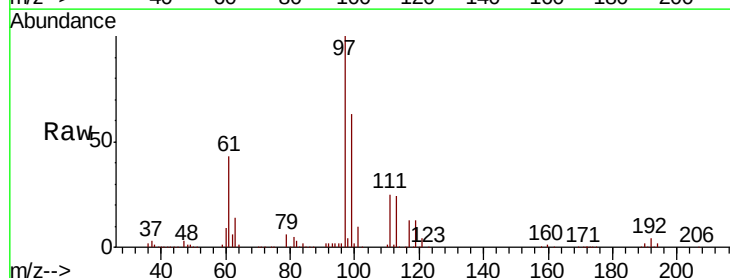
Tgt Ion: 97 Resp: 470795

Ion Ratio Lower Upper

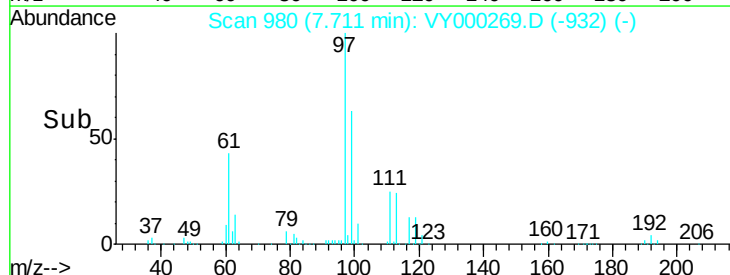
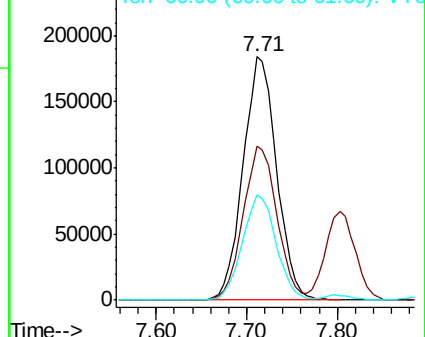
97 100

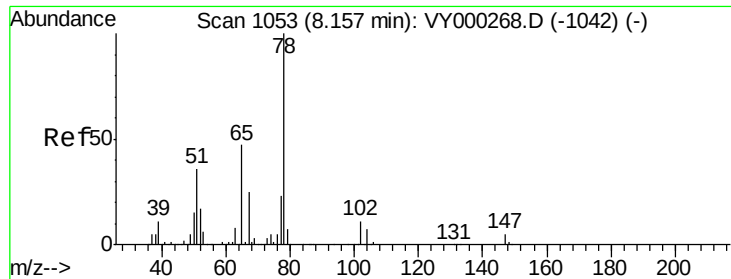
99 63.6 51.7 77.5

61 43.6 34.5 51.7



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





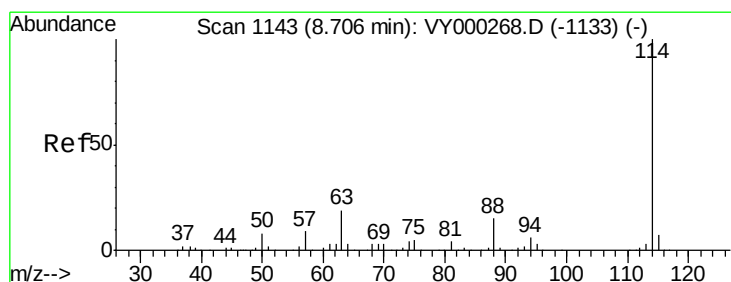
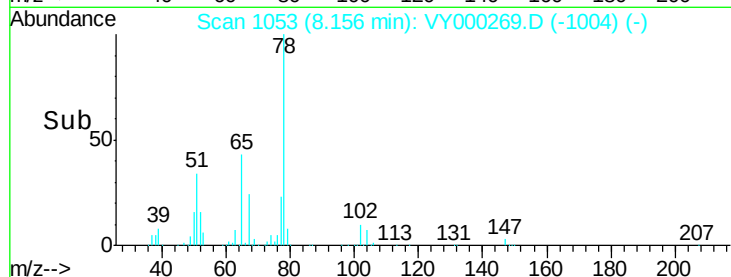
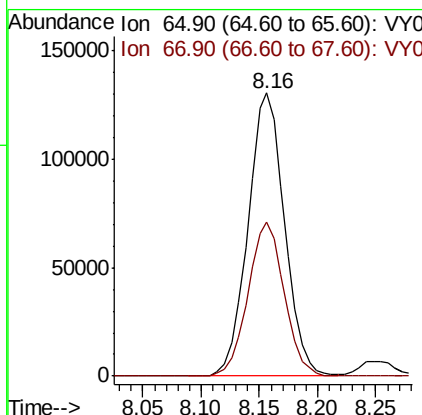
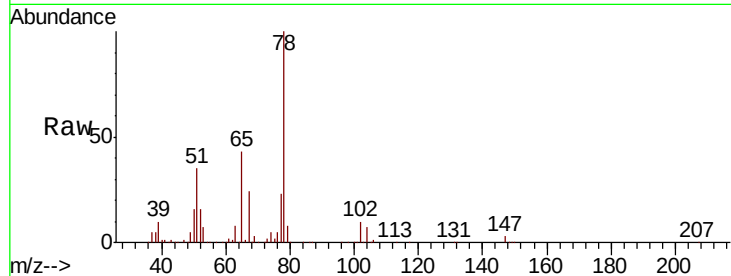
#33
 1,2-Dichloroethane-d4
 Concen: 99.502 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285523		
67	53.7	0.0	109.4	

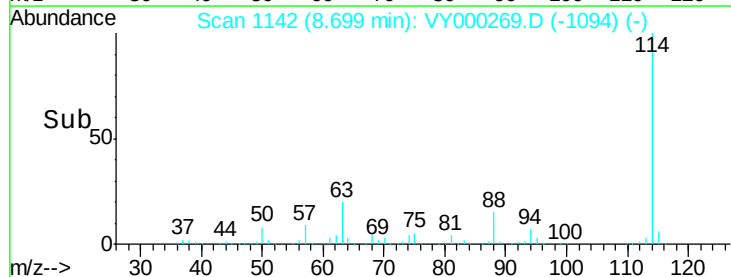
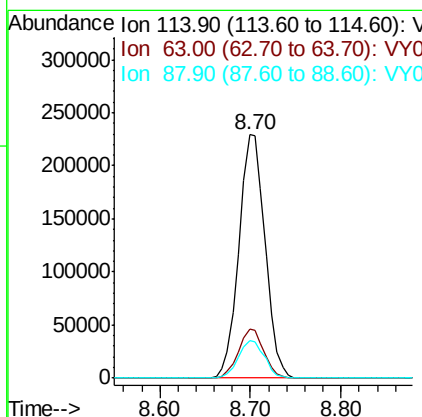
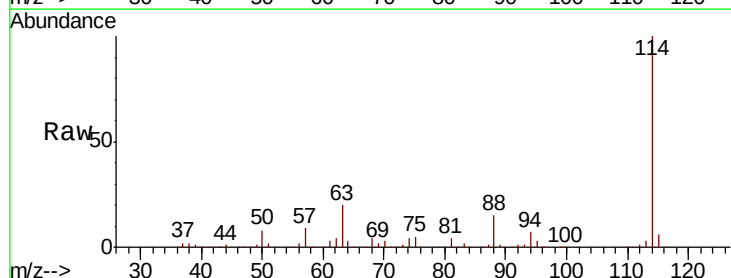
Manual Integrations
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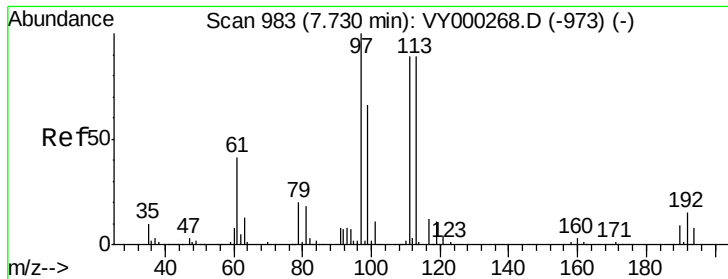
MMDadoda
 10/15/2019 12:33:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457002		
63	19.9	0.0	37.2	
88	15.3	0.0	30.2	





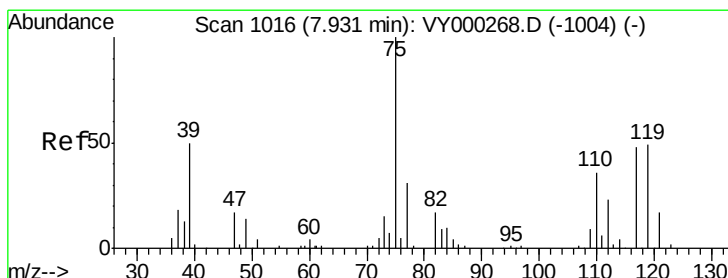
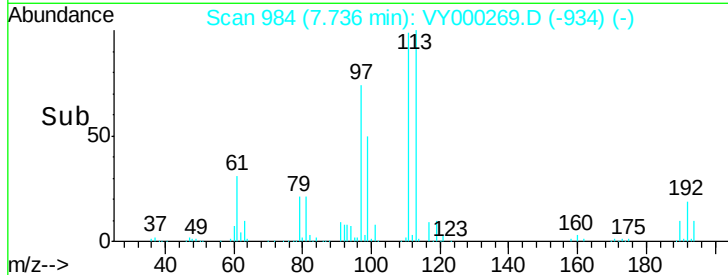
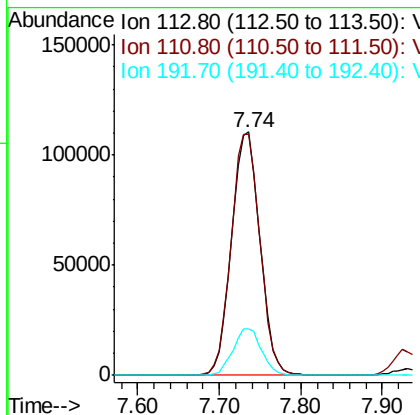
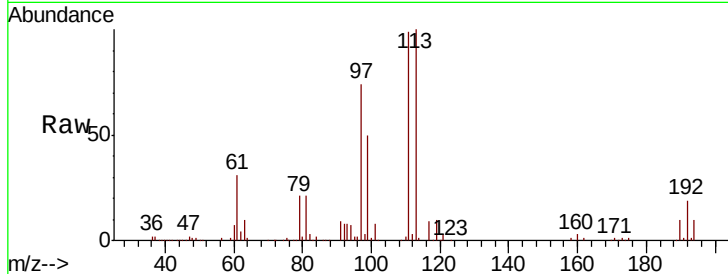
#35
 Dibromofluoromethane
 Concen: 95.908 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	264388		
111	100.6	81.6	122.4	
192	19.3	15.3	22.9	

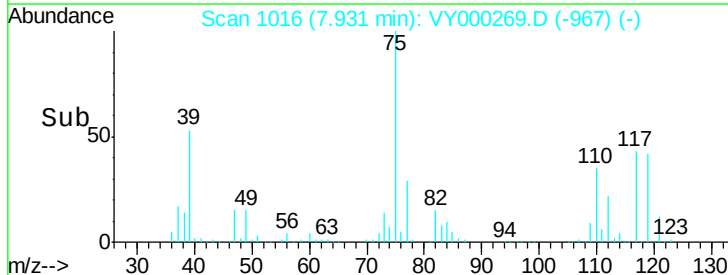
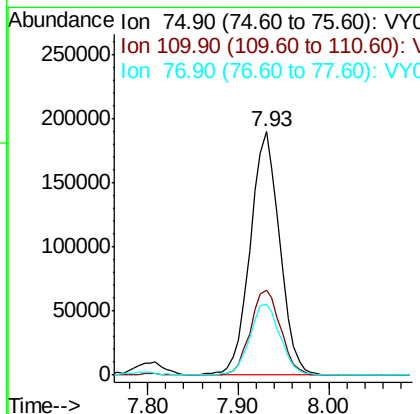
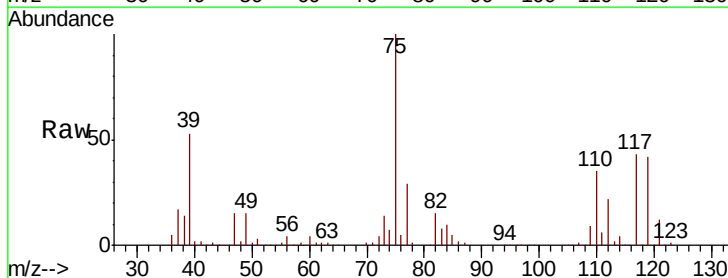
Manual Integrations
 APPROVED

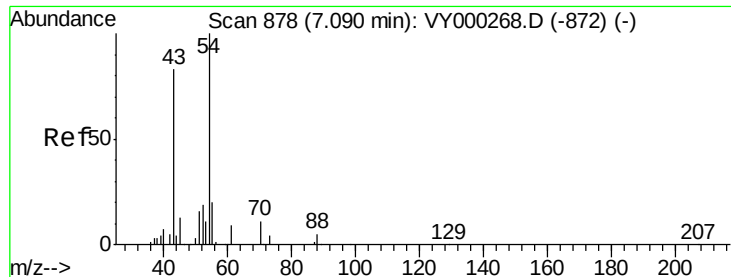
MMDadoda
 10/15/2019 12:33:49 PM



#36
 1,1-Dichloropropene
 Concen: 95.163 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	425794		
110	35.9	18.4	55.4	
77	30.3	25.0	37.6	





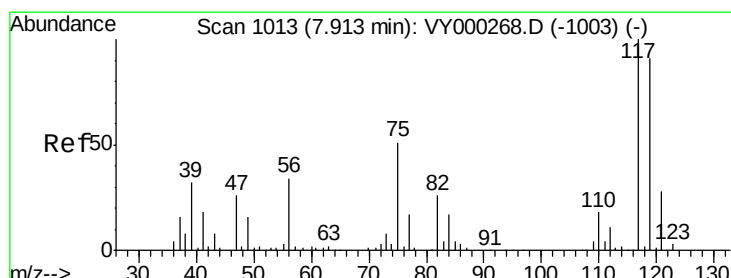
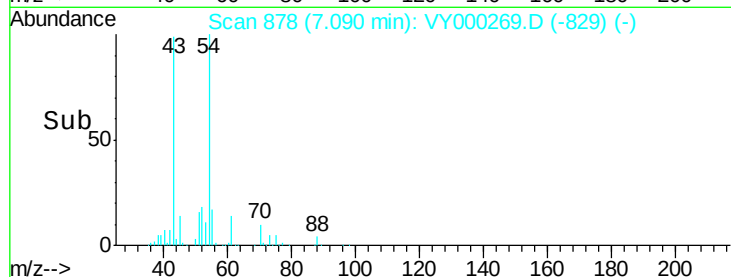
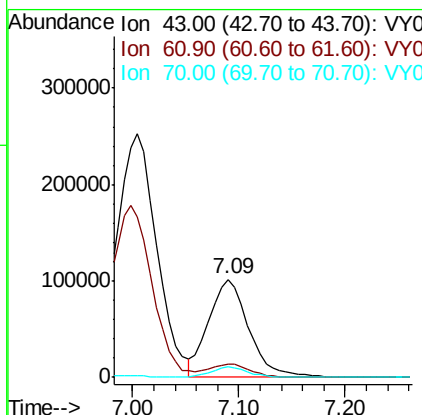
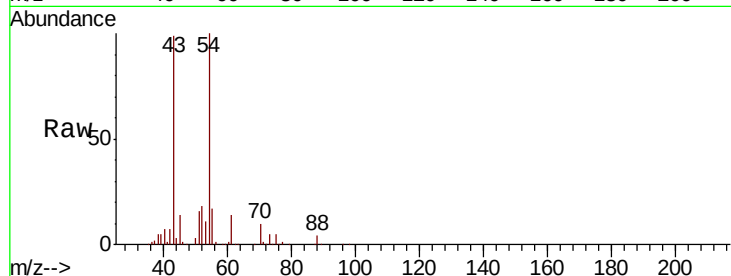
#37
Ethyl Acetate
Concen: 99.267 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.1	18.1
70	10.2	8.7	13.1

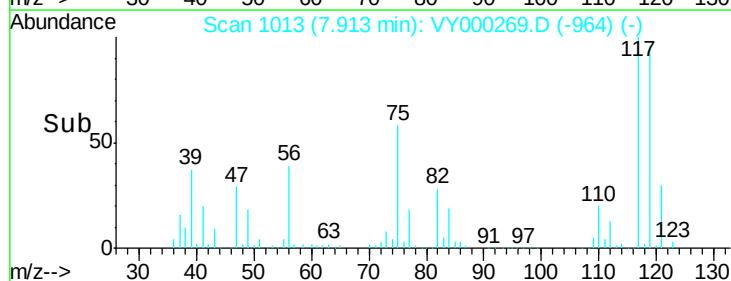
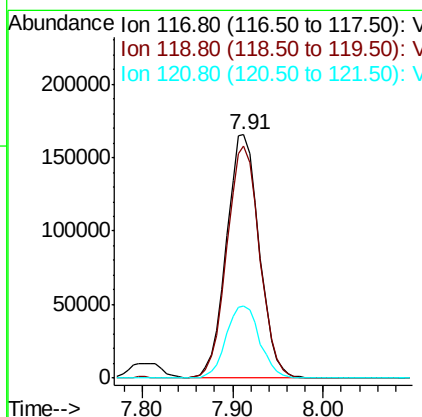
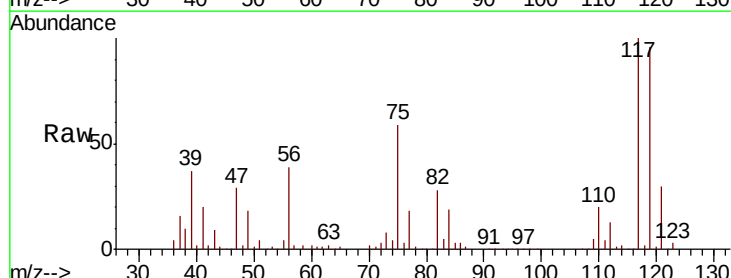
Manual Integrations
APPROVED

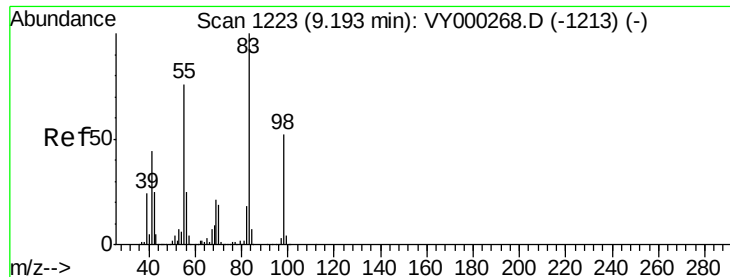
MMDadoda
10/15/2019 12:33:49 PM



#38
Carbon Tetrachloride
Concen: 95.792 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	72.8	109.2
121	29.7	22.2	33.2





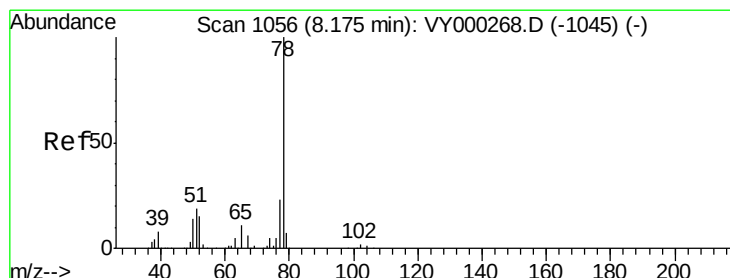
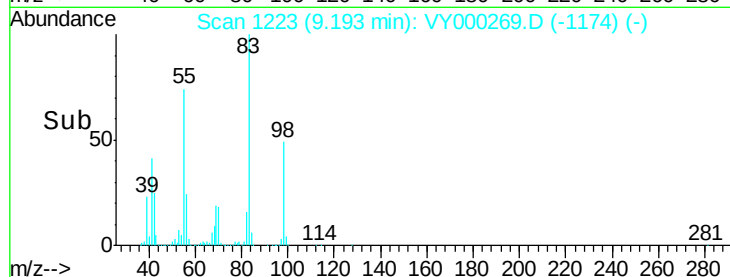
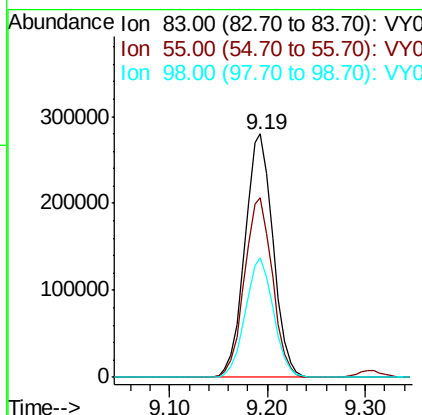
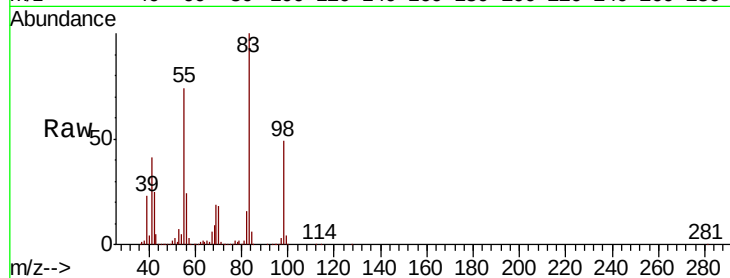
#39
Methylvlcyclohexane
Concen: 95.266 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.9	91.3
98	48.9	41.8	62.6

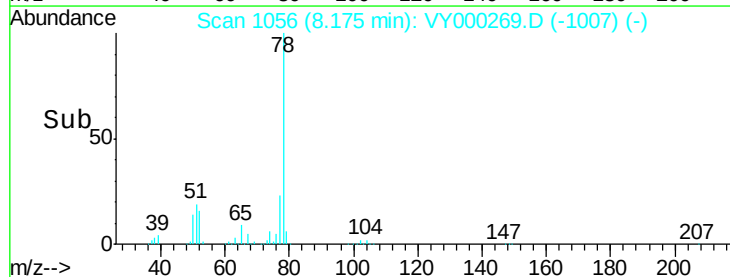
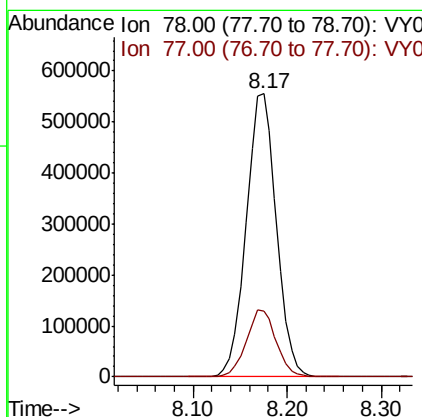
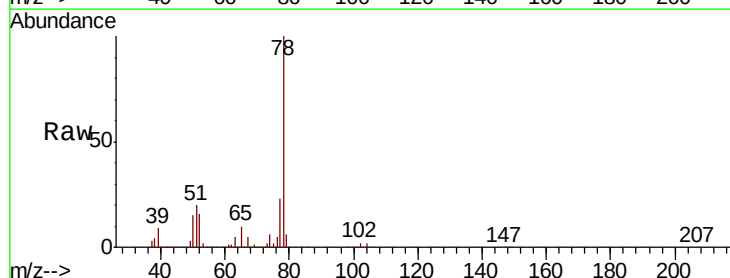
Manual Integrations
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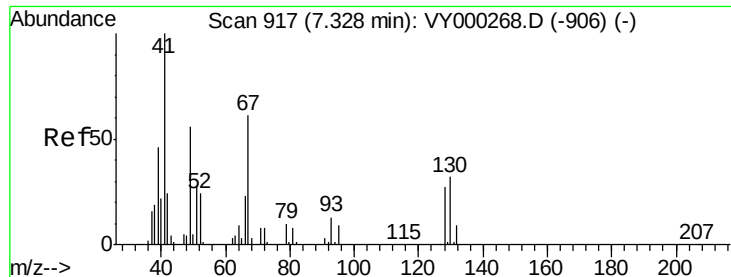
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#40
Benzene
Concen: 96.348 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





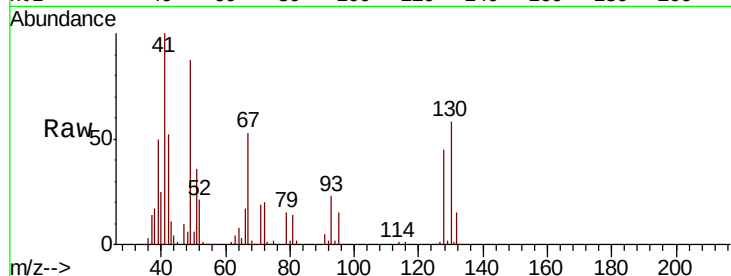
#41
Methacrylonitrile
Concen: 109.284 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

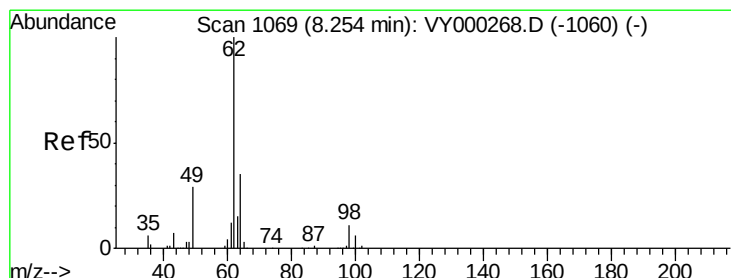
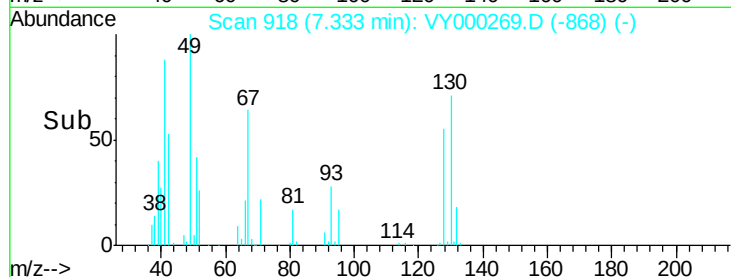
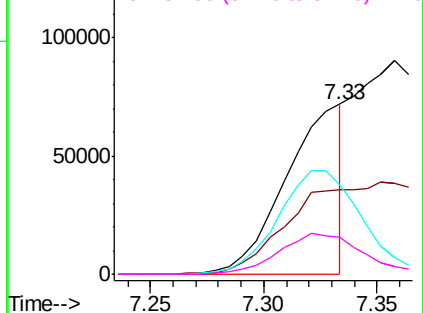
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		127170		
39	135.1	110.2	165.2		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
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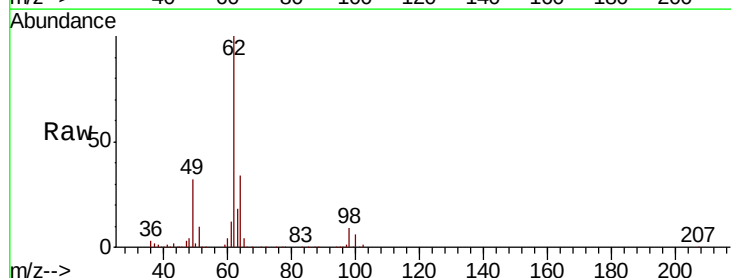


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

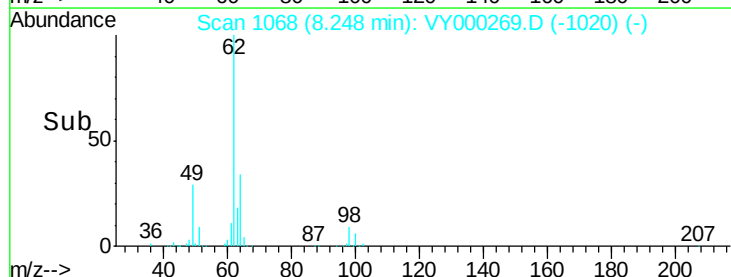
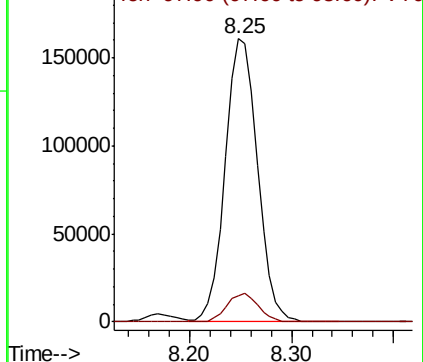


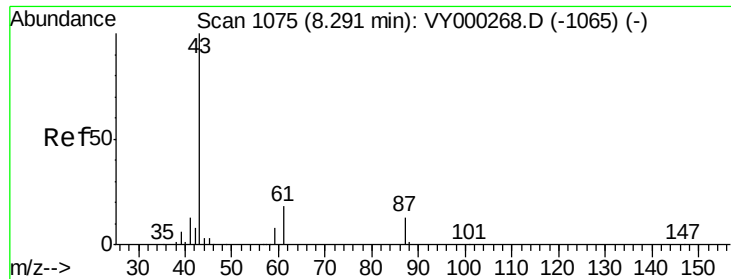
#42
1,2-Dichloroethane
Concen: 95.687 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		353424		
98	9.8	0.0	20.6		



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





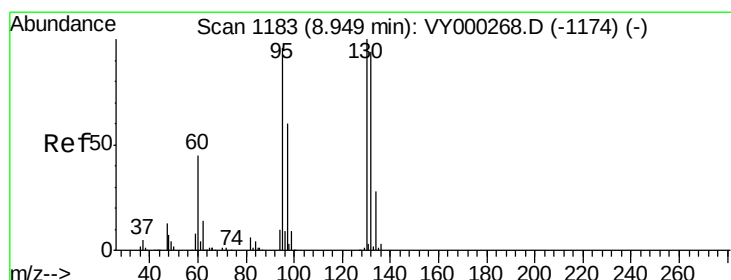
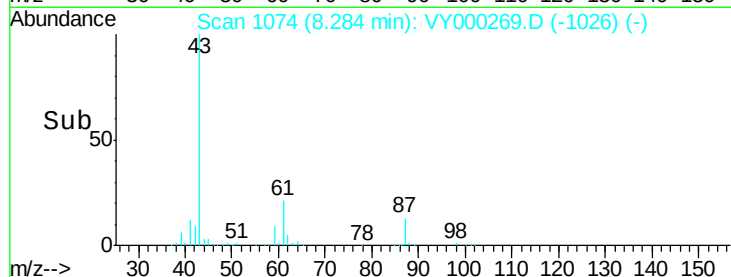
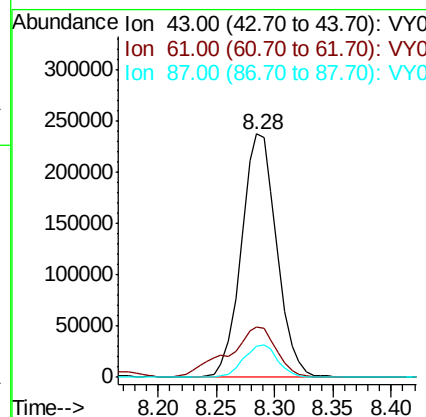
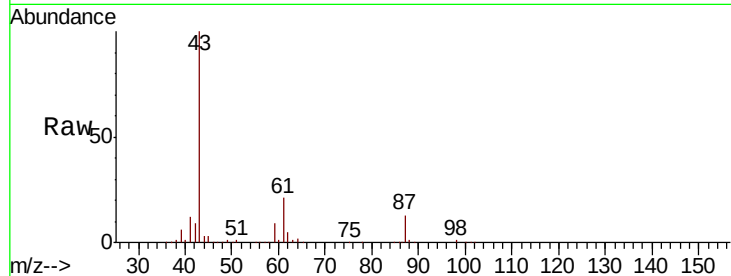
#43
Isopropyl Acetate
Concen: 99.352 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.3	33.5
87	13.3	10.9	16.3

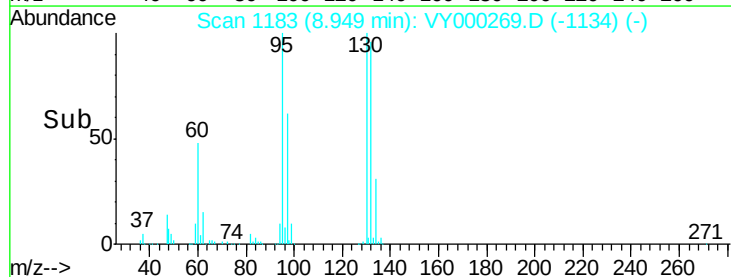
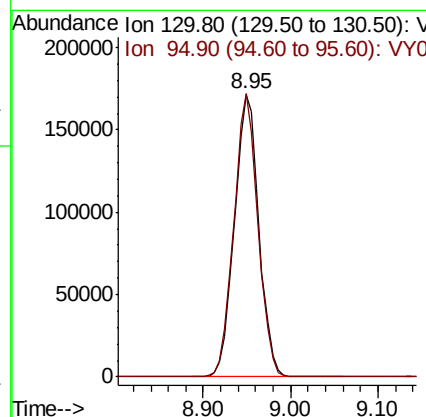
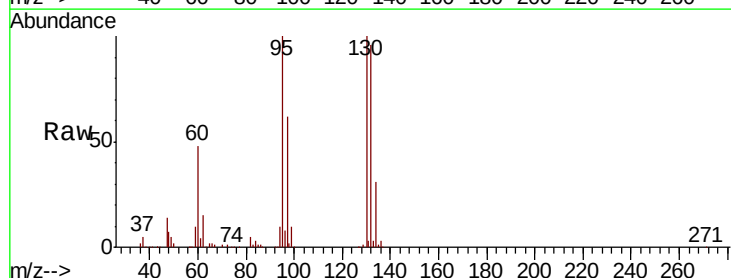
Manual Integrations
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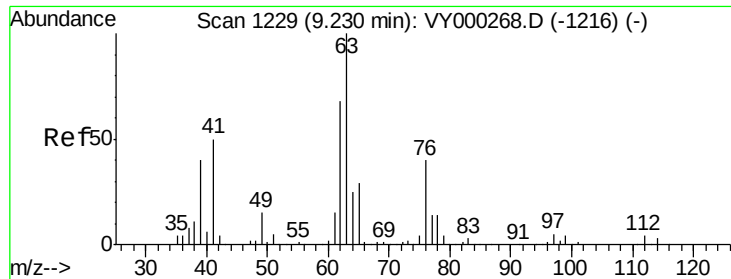
MMDadoda
10/15/2019 12:33:49 PM



#44
Trichloroethene
Concen: 91.852 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	191.4





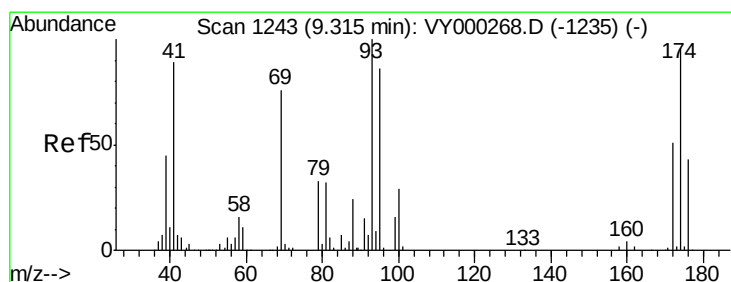
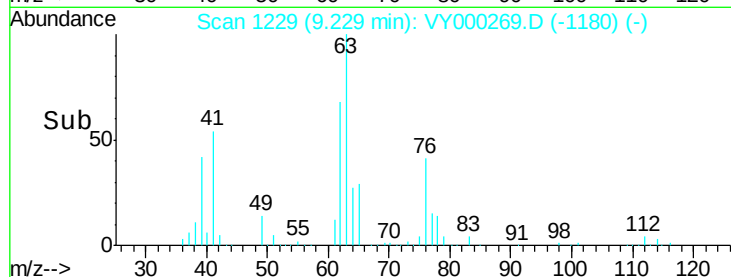
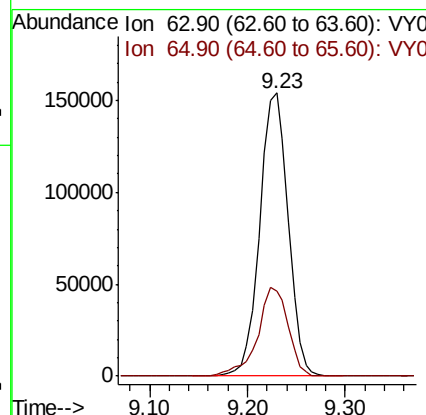
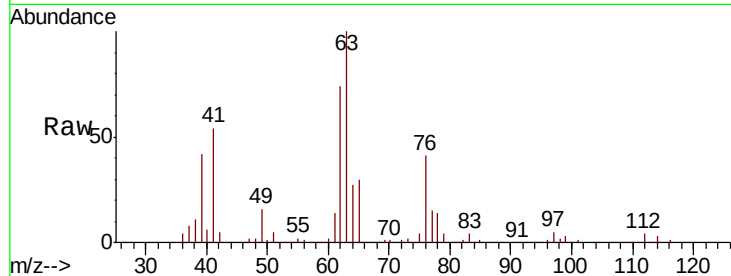
#45
 1,2-Dichloropropane
 Concen: 97.819 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 310396
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.2 34.8

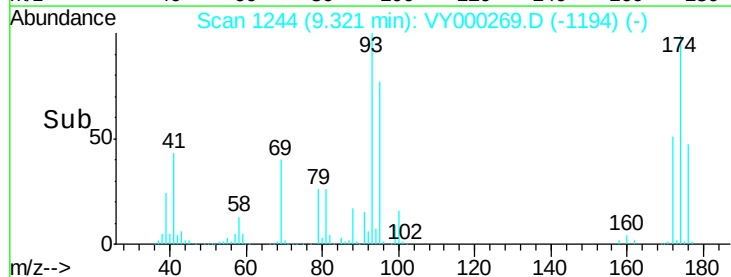
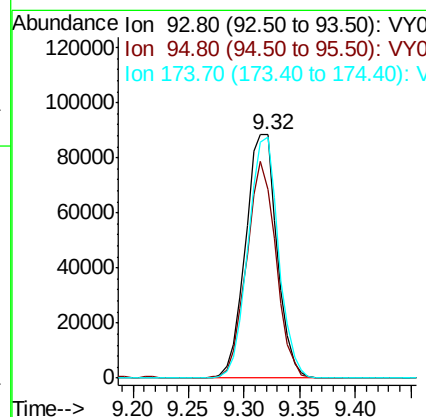
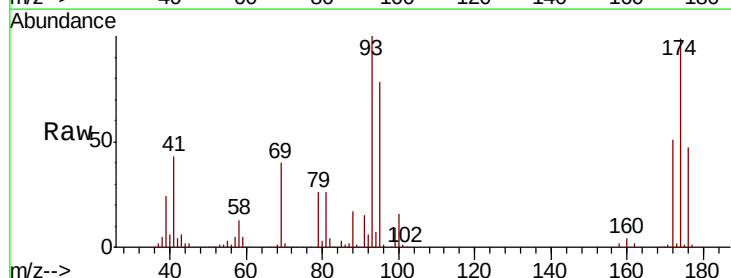
Manual Integrations
 APPROVED

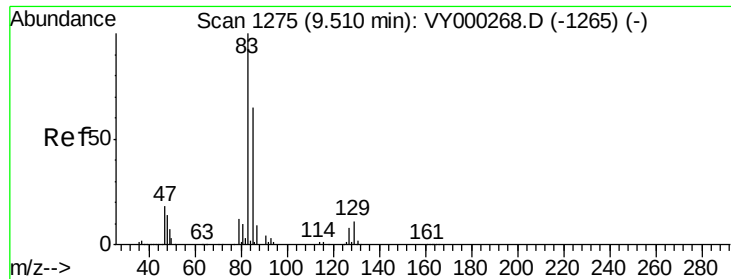
MMDadoda
 10/15/2019 12:33:49 PM



#46
 Dibromomethane
 Concen: 97.882 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion: 93 Resp: 173628
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.2 102.2
 174 95.8 79.8 119.6





#47

Bromodichloromethane

Concen: 98.554 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

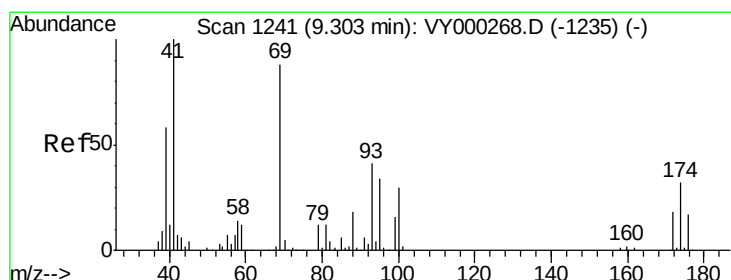
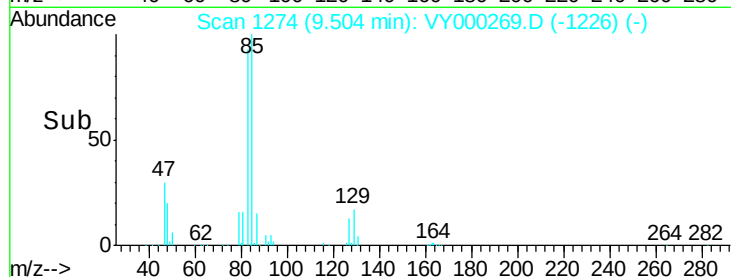
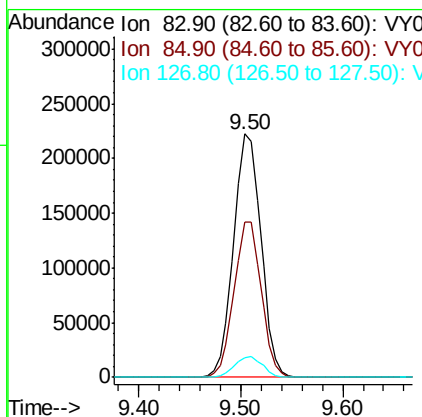
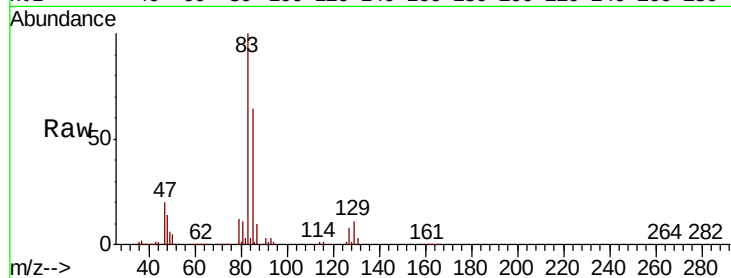
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	412001
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.2
127	8.2	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:33:49 PM



#48

Methyl methacrylate

Concen: 102.671 ug/l

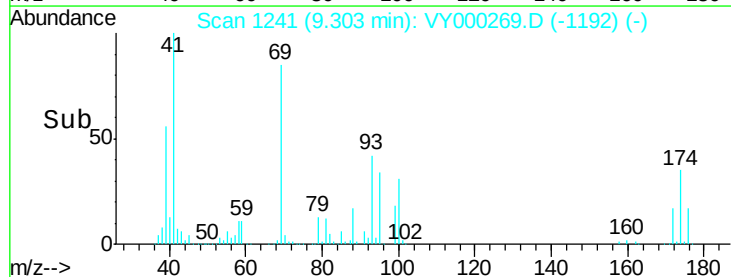
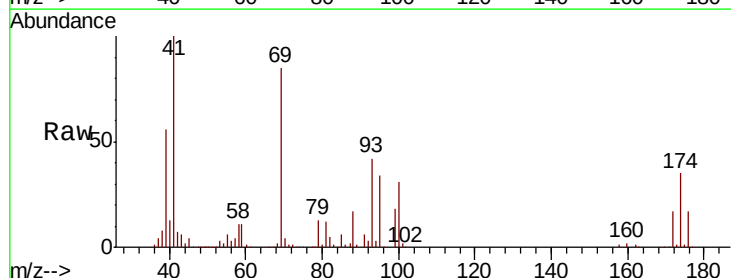
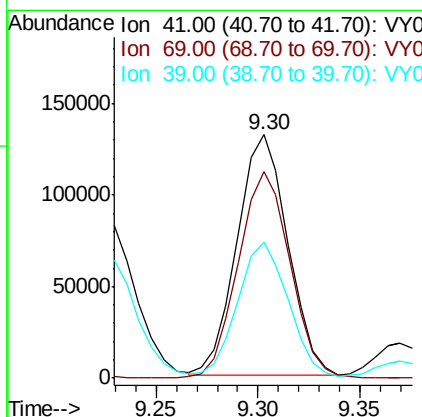
RT: 9.30 min Scan# 1241

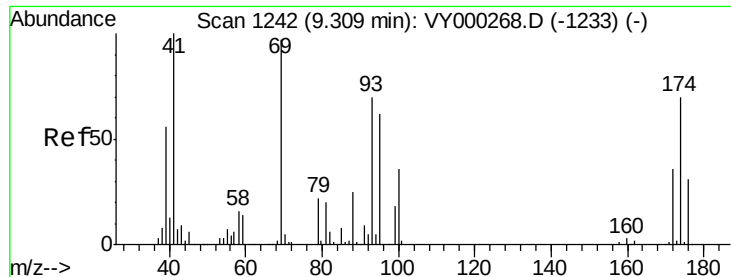
Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion:	41	Resp:	226667
Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.0	105.0
39	57.4	47.7	71.5





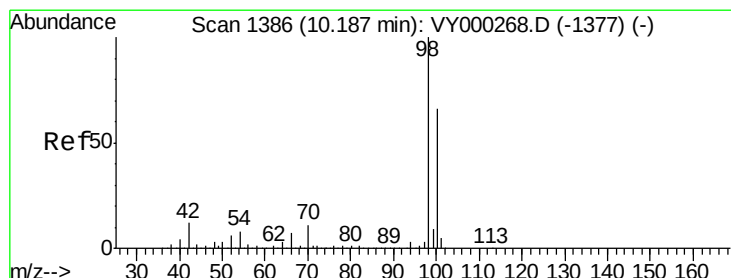
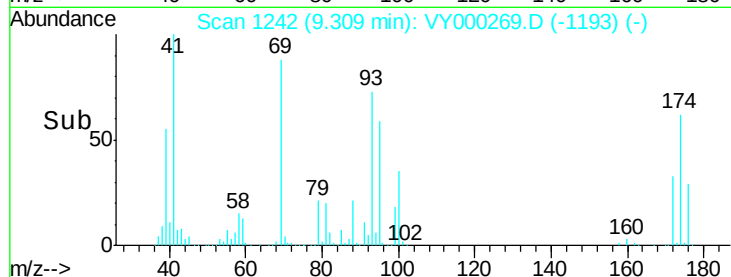
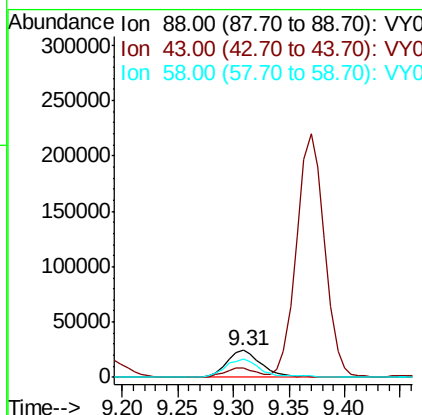
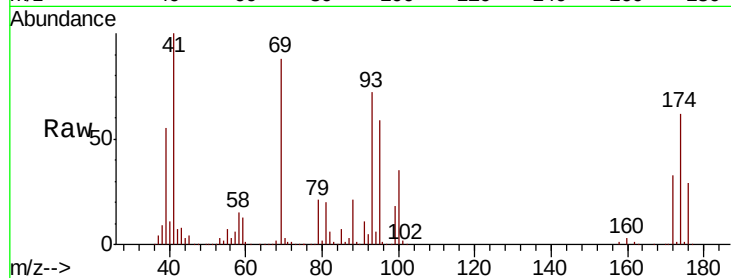
#49
1,4-Dioxane
Concen: 1972.277 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	88	Resp	52456
Ion Ratio	100	Lower	Upper
88	100		
43	32.5	25.6	38.4
58	67.1	54.6	81.8

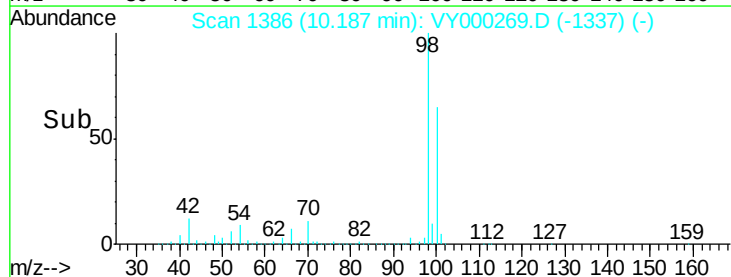
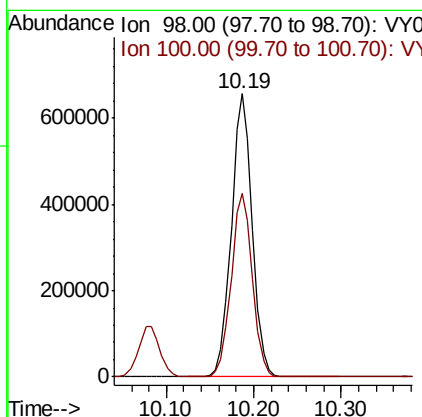
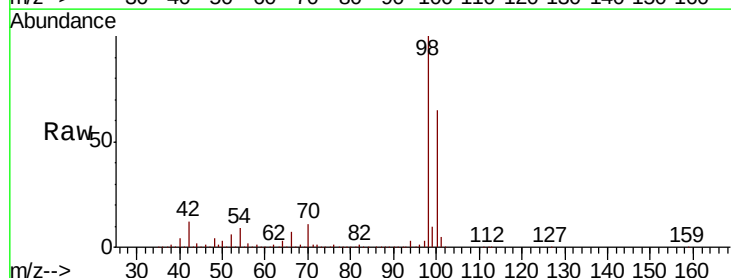
Manual Integrations
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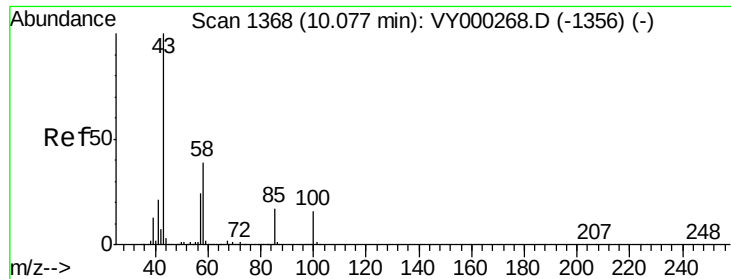
MMDadoda
10/15/2019 12:33:49 PM



#50
Toluene-d8
Concen: 102.226 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	98	Resp	1084030
Ion Ratio	100	Lower	Upper
98	100		
100	66.1	52.8	79.2





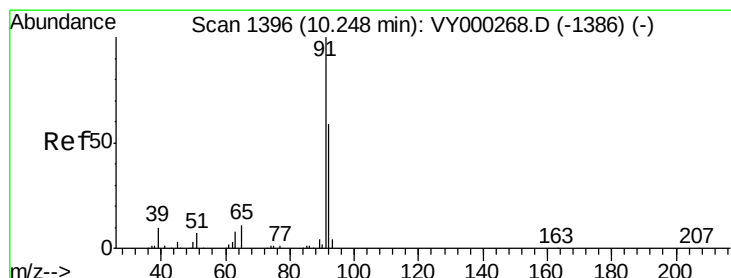
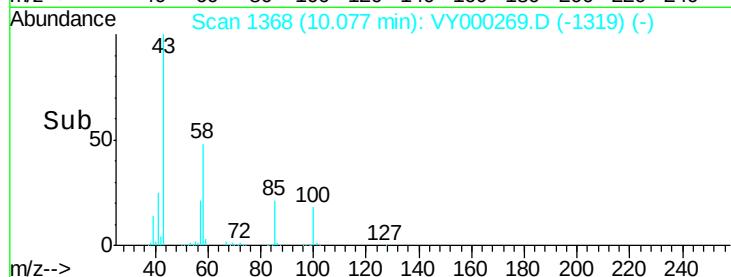
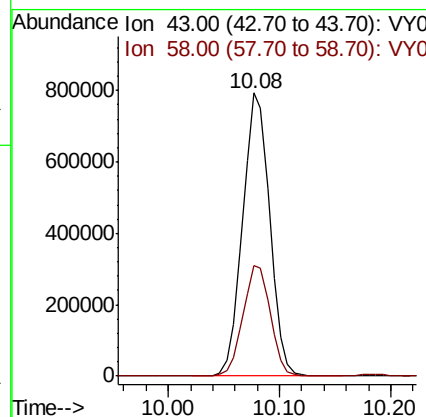
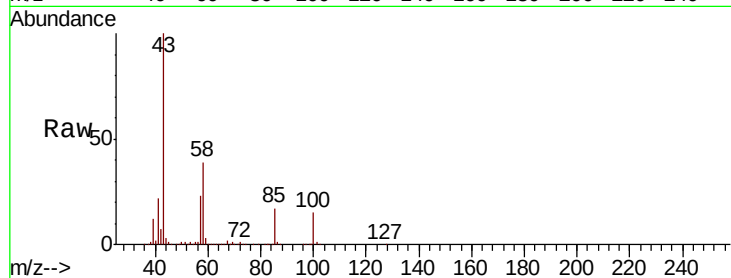
#51
 4-Methyl-2-Pentanone
 Concen: 514.035 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1335574
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.6

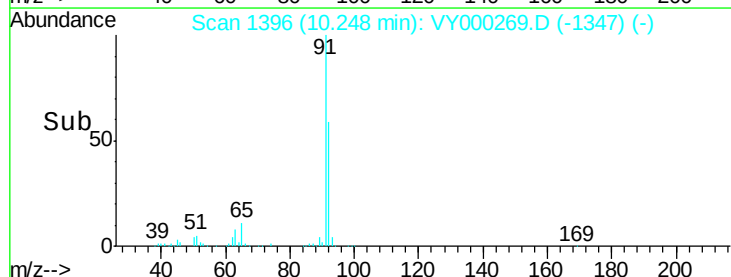
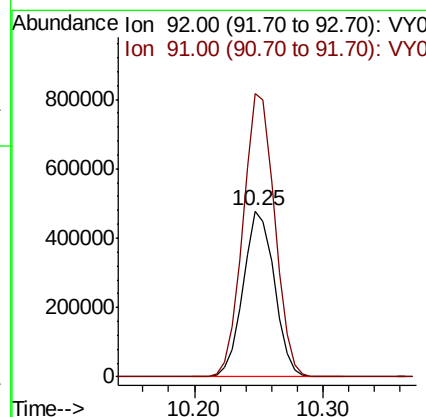
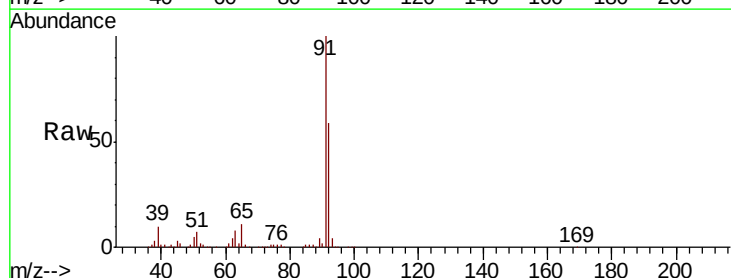
Manual Integrations
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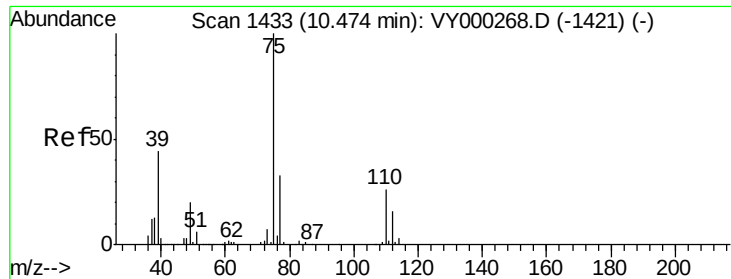
MMDadoda
 10/15/2019 12:33:49 PM



#52
 Toluene
 Concen: 97.532 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion: 92 Resp: 800681
 Ion Ratio Lower Upper
 92 100
 91 173.0 136.6 205.0





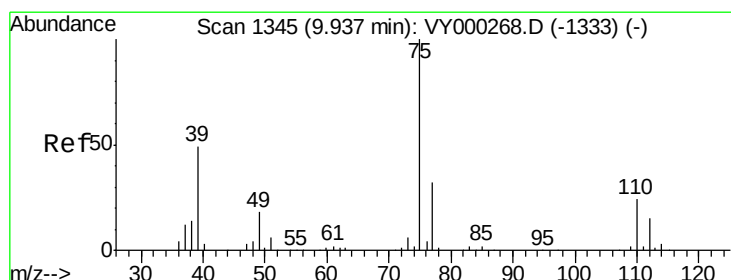
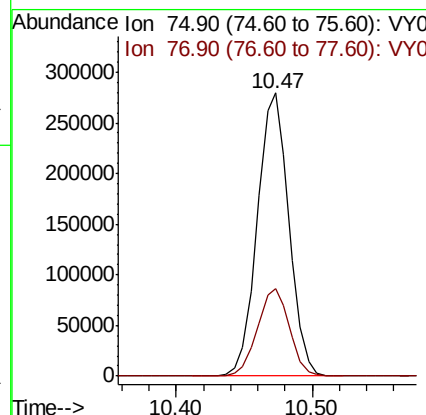
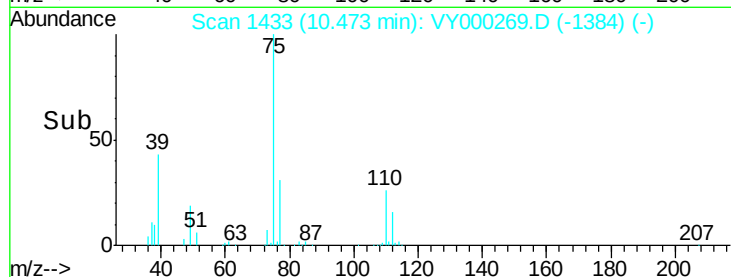
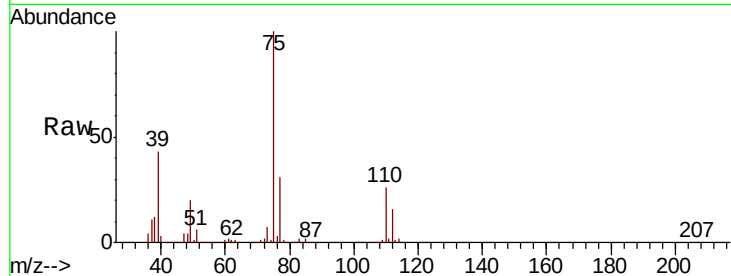
#53
t-1,3-Dichloropropene
Concen: 101.565 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 455029
Ion Ratio Lower Upper
75 100
77 30.8 26.0 39.0

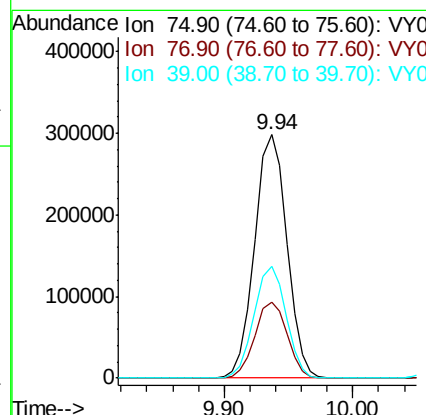
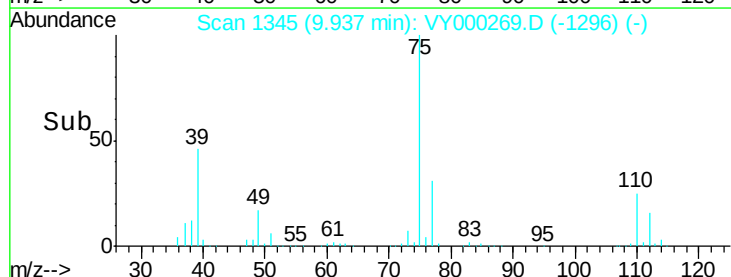
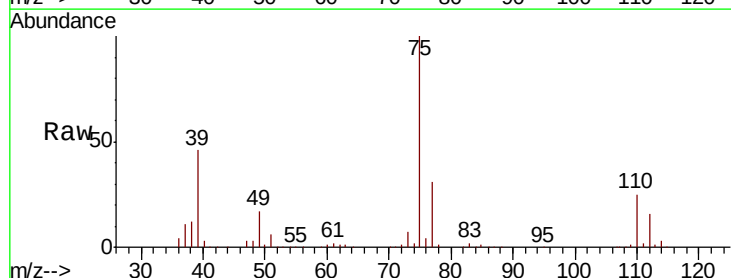
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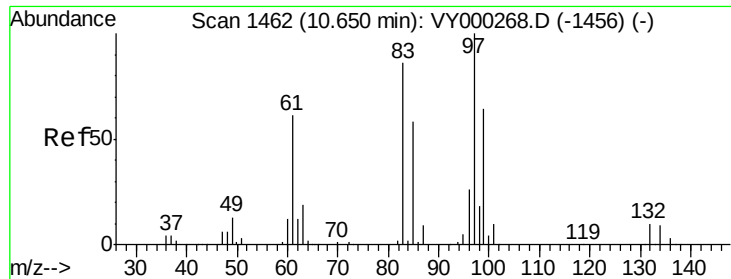
MMDadoda
10/15/2019 12:33:49 PM



#54
cis-1,3-Dichloropropene
Concen: 101.383 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion: 75 Resp: 515826
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
39 46.0 38.8 58.2





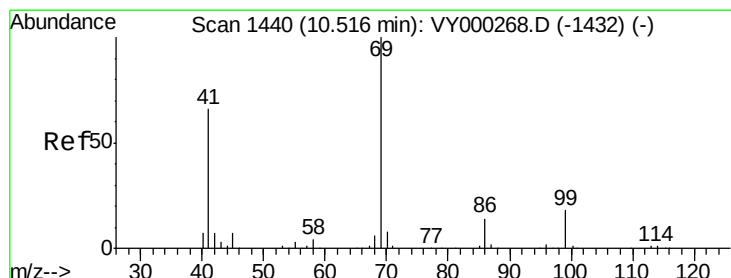
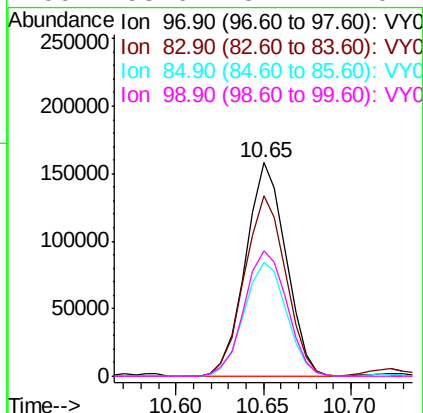
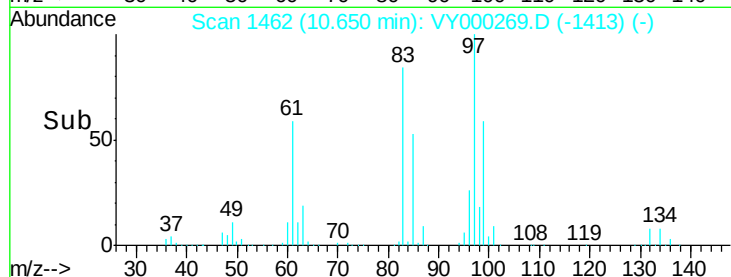
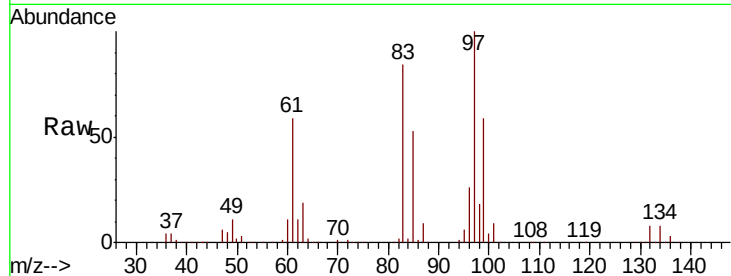
#55
 1,1,2-Trichloroethane
 Concen: 98.681 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	254509
Ion Ratio	Lower	Upper	
97	100		
83	84.5	69.0	103.6
85	53.2	46.2	69.4
99	58.6	51.1	76.7

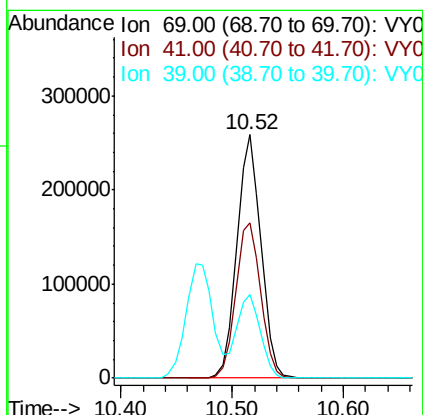
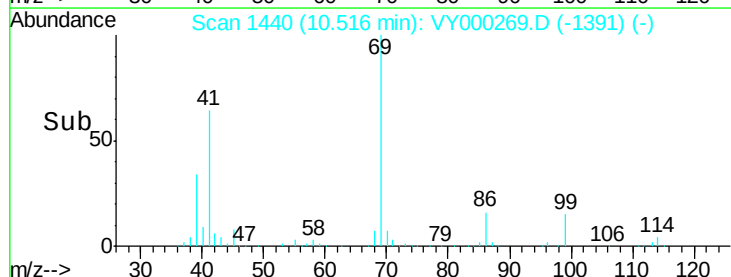
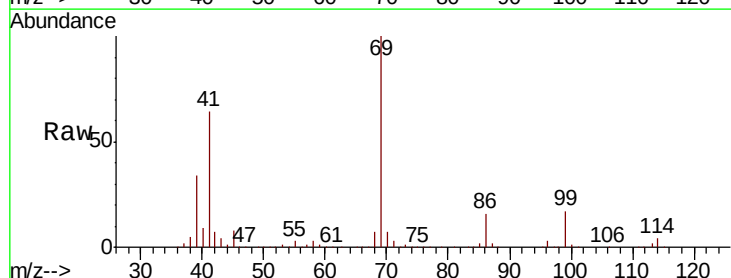
Manual Integrations
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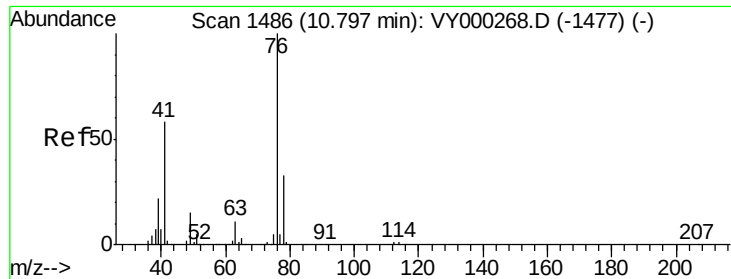
MMDadoda
 10/15/2019 12:33:49 PM



#56
 Ethyl methacrylate
 Concen: 104.666 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	69	Resp	384768
Ion Ratio	Lower	Upper	
69	100		
41	65.7	52.5	78.7
39	34.5	26.7	40.1





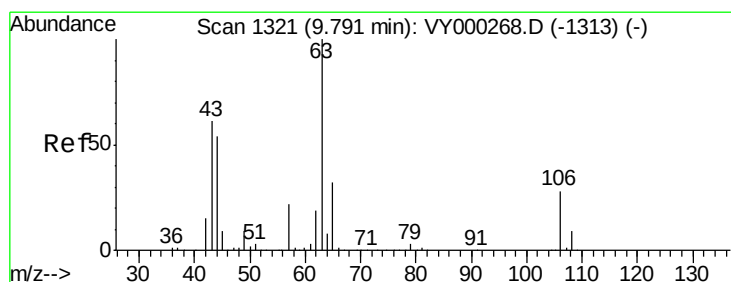
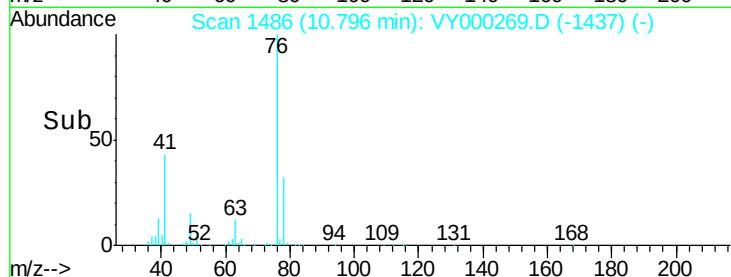
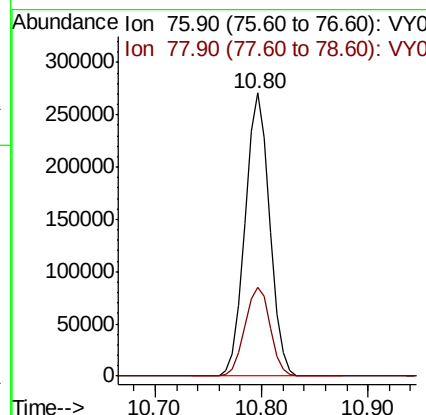
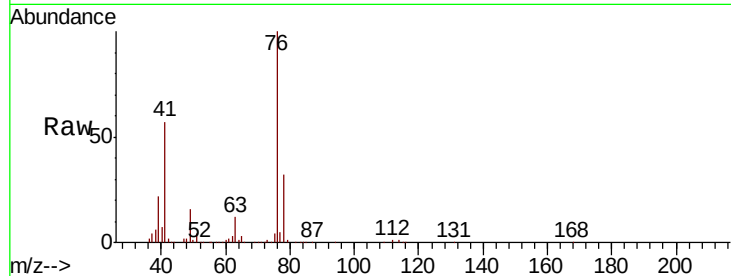
#57
 1,3-Dichloropropane
 Concen: 99.293 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 439802
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

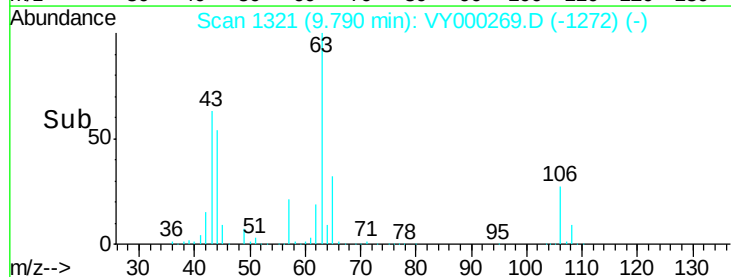
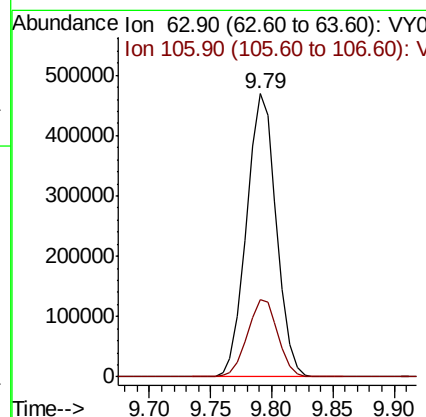
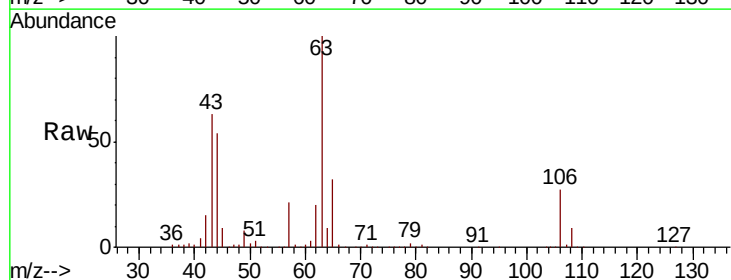
Manual Integrations
 APPROVED

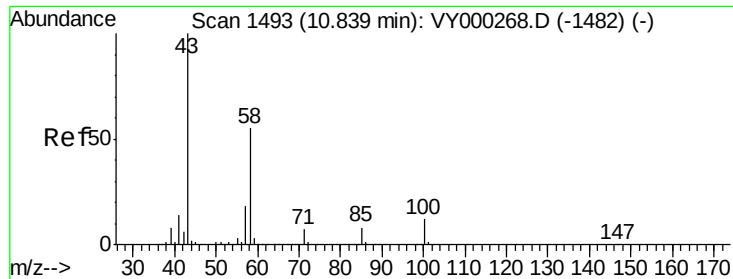
MMDadoda
 10/15/2019 12:33:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 539.982 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion: 63 Resp: 791779
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.0 34.4





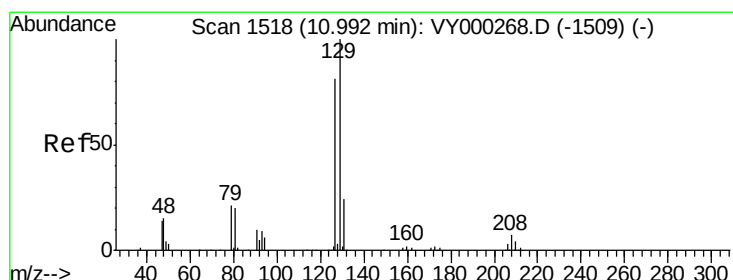
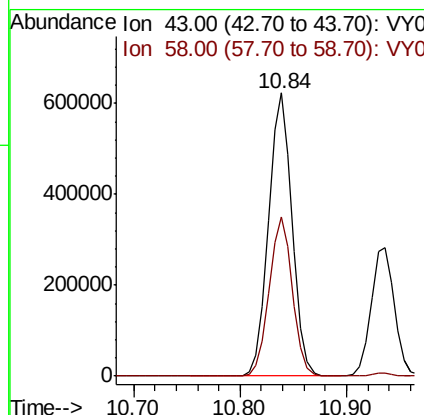
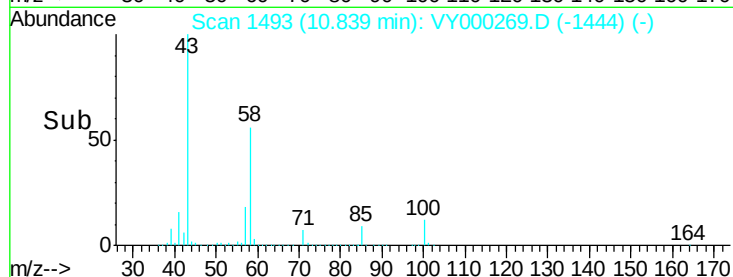
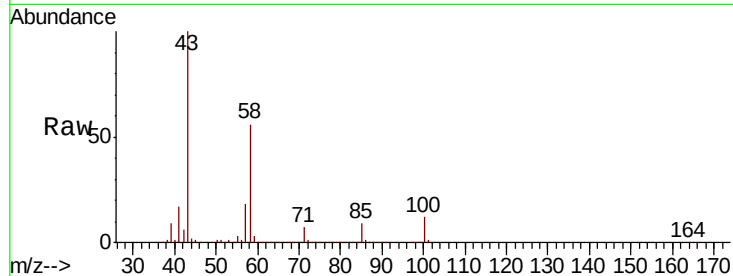
#59
2-Hexanone
Concen: 527.506 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 962024
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

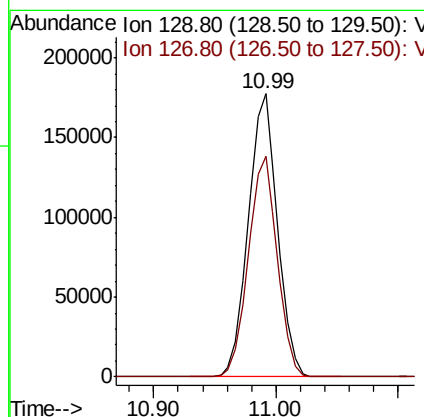
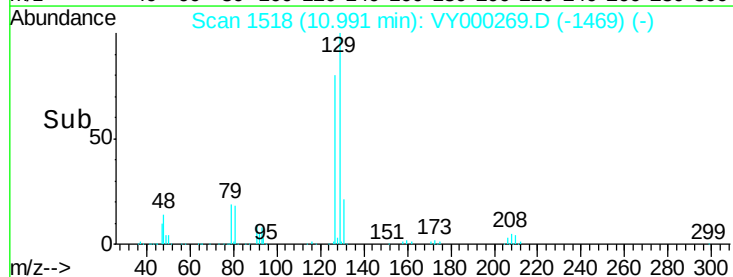
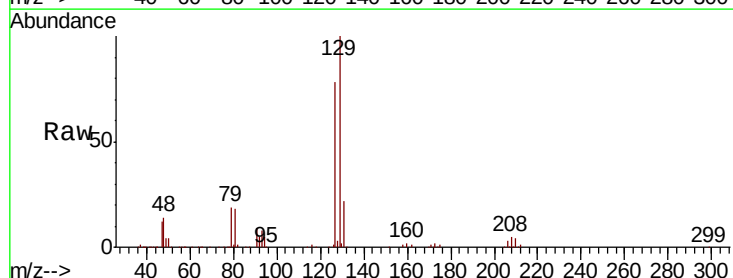
Manual Integrations
APPROVED

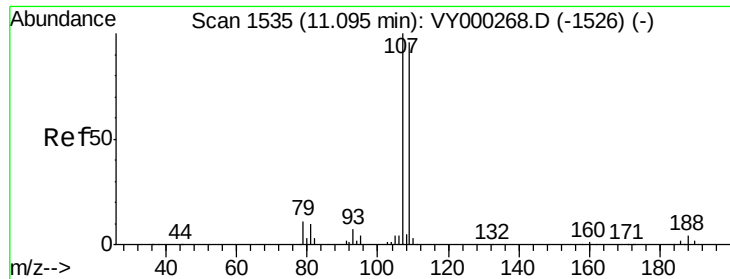
MMDadoda
10/15/2019 12:33:49 PM



#60
Dibromochloromethane
Concen: 102.866 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion: 129 Resp: 294056
Ion Ratio Lower Upper
129 100
127 77.2 39.9 119.7





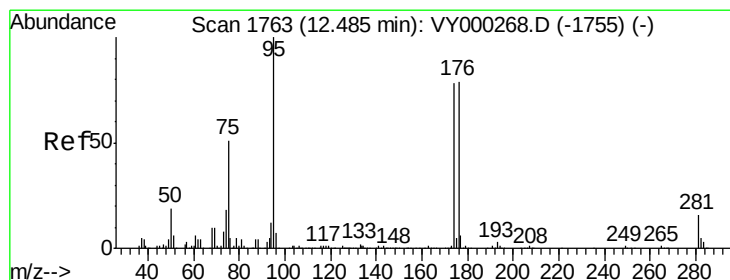
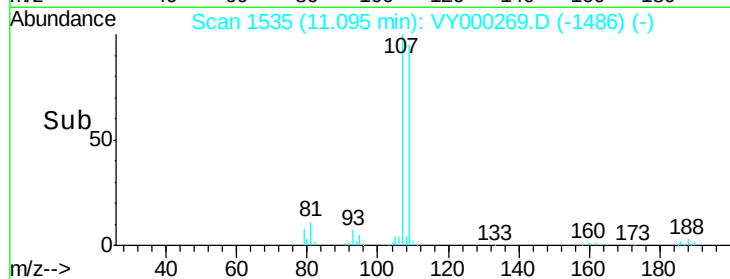
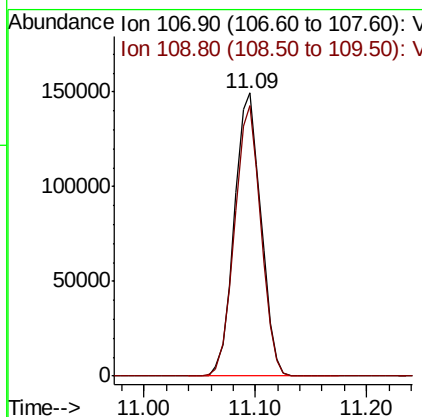
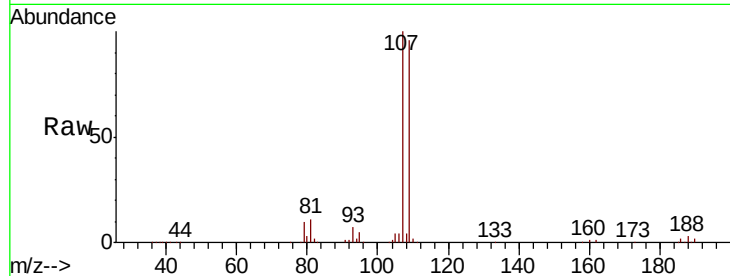
#61
 1,2-Dibromoethane
 Concen: 99.626 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	246713		
109	94.6	75.1	112.7	

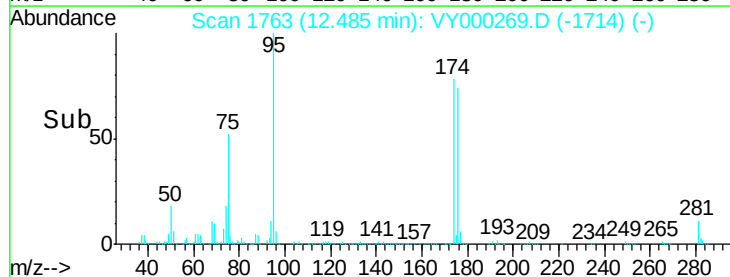
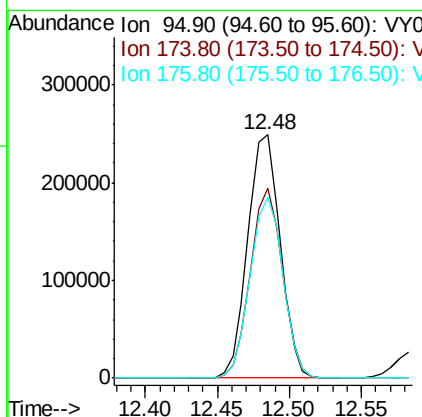
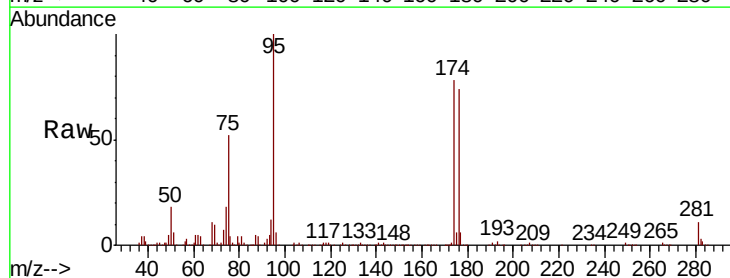
Manual Integrations
 APPROVED

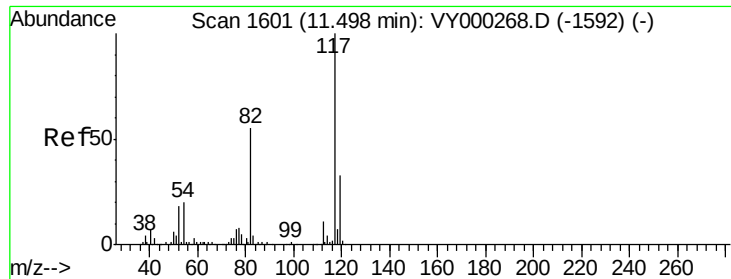
MMDadoda
 10/15/2019 12:33:49 PM



#62
 4-Bromofluorobenzene
 Concen: 96.474 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	388660		
174	77.0	0.0	159.6	
176	75.2	0.0	153.8	





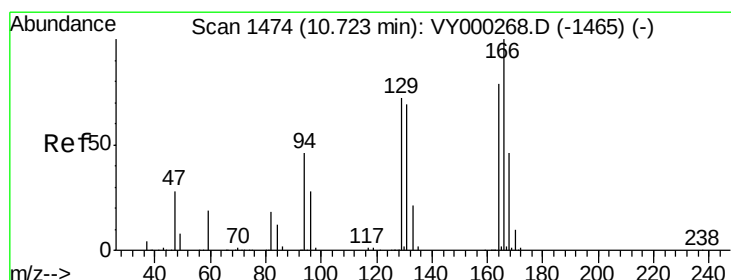
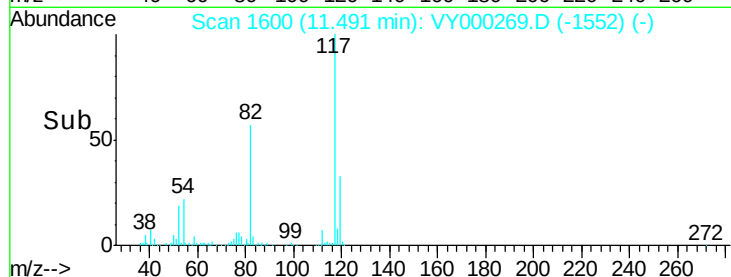
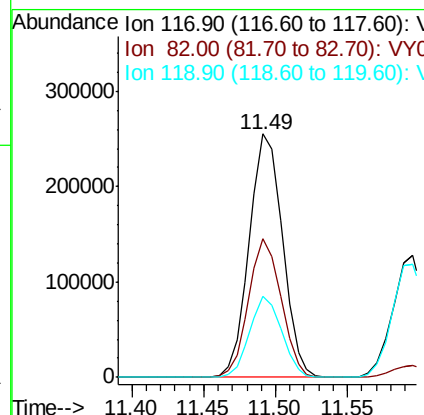
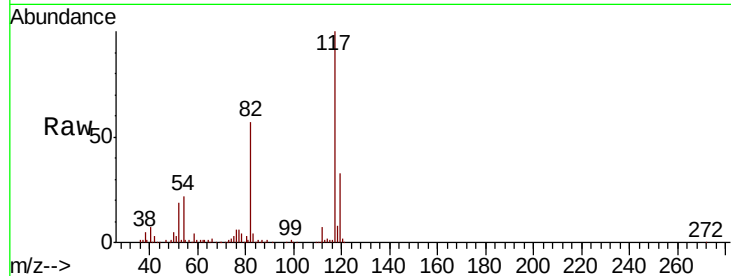
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.7	65.5
119	33.3	26.6	39.8

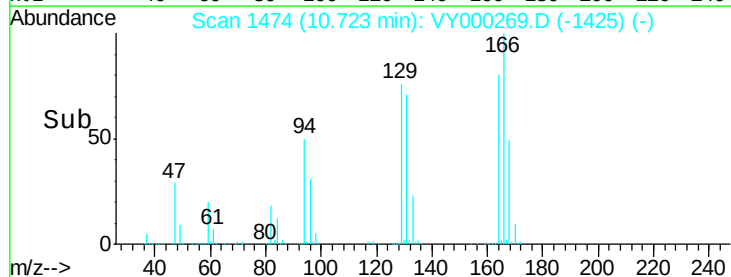
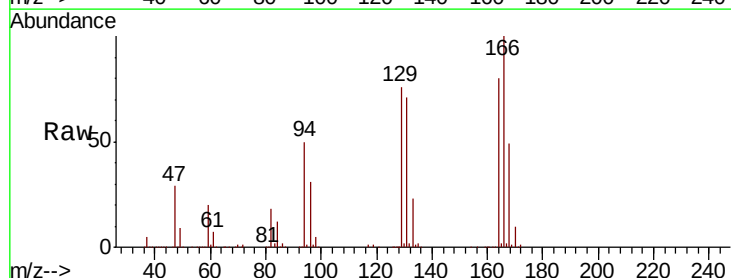
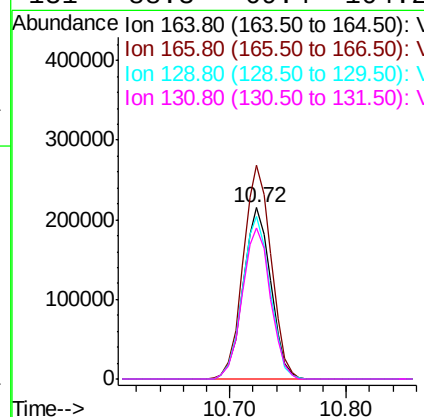
Manual Integrations
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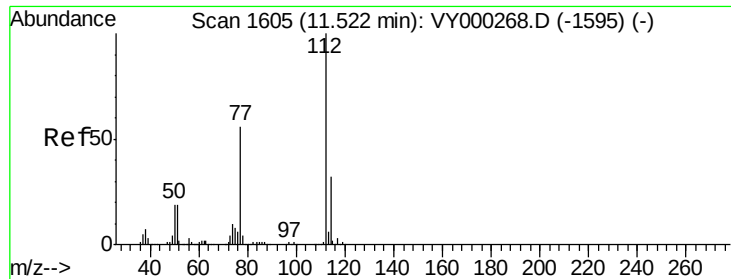
MMDadoda
10/15/2019 12:33:49 PM



#64
Tetrachloroethene
Concen: 91.398 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.6	151.0
129	94.5	72.8	109.2
131	88.3	69.4	104.2





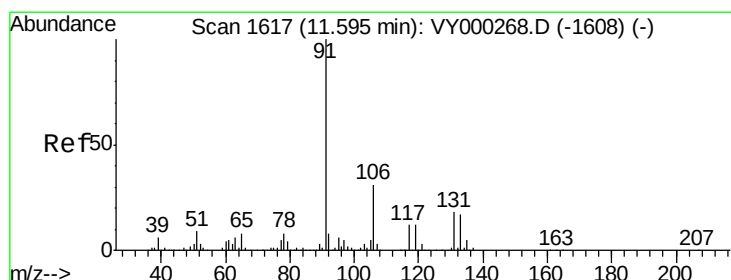
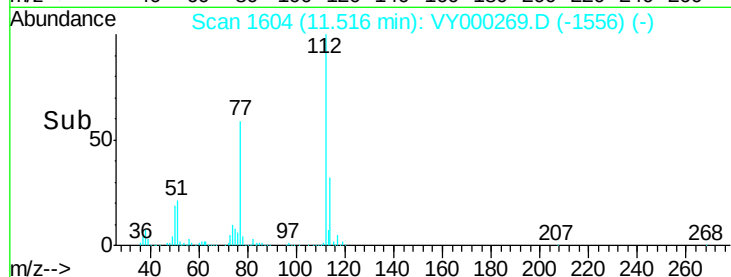
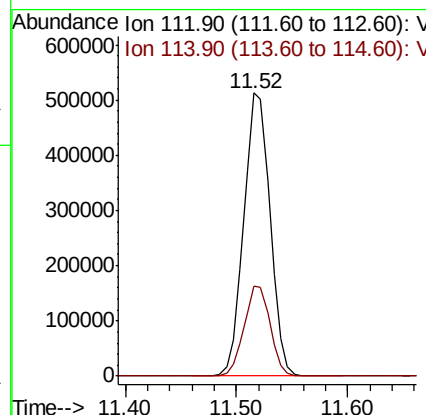
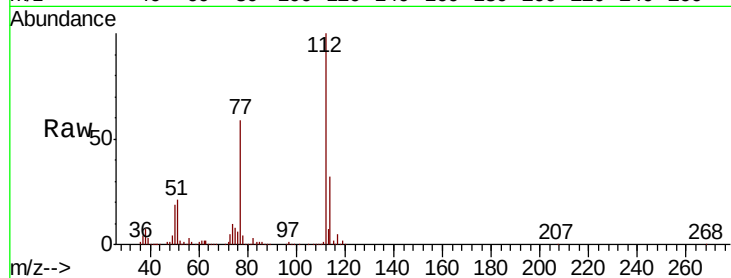
#65
Chlorobenzene
Concen: 97.351 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

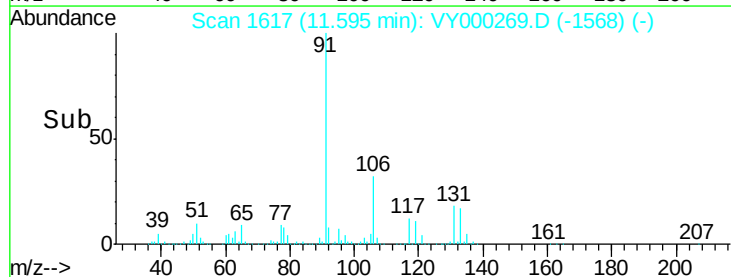
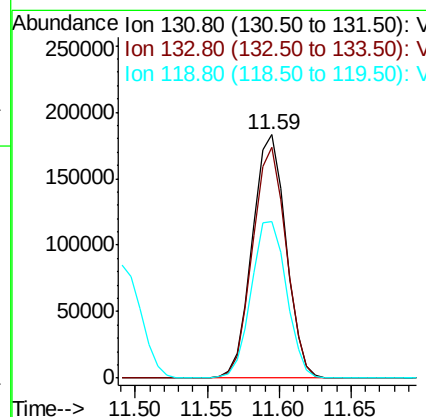
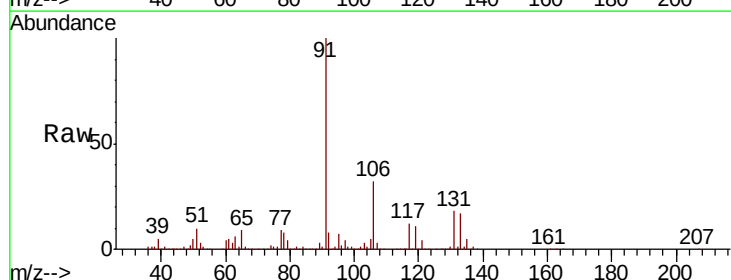
Manual Integrations
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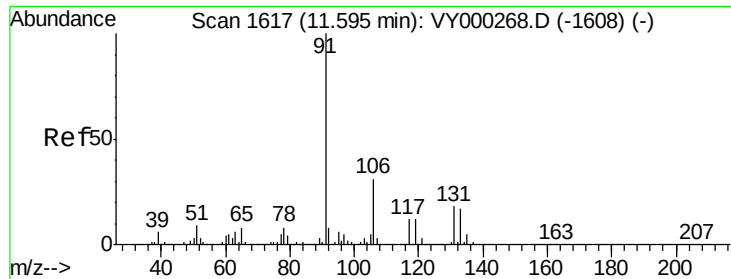
MMDadoda
10/15/2019 12:33:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 97.768 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.2	141.6
119	67.2	32.6	98.0





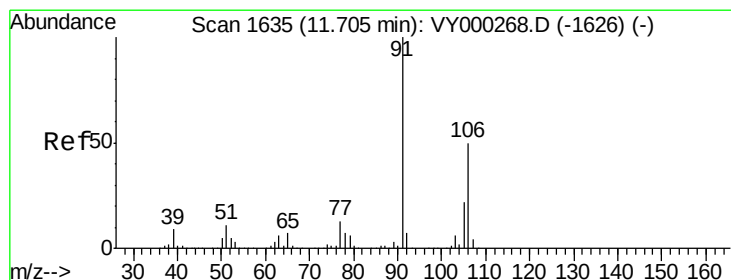
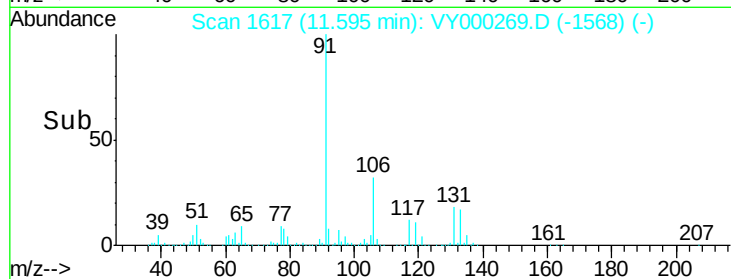
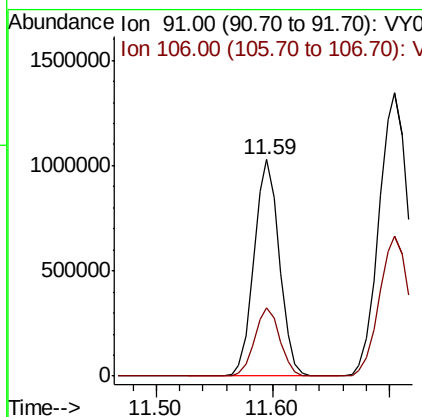
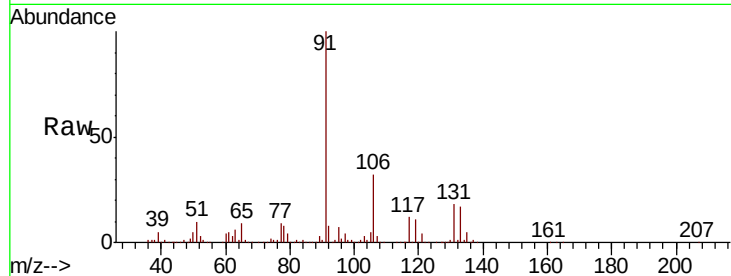
#67
Ethyl Benzene
Concen: 97.442 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1558073
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

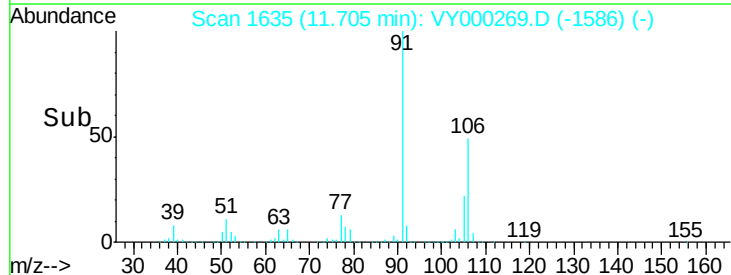
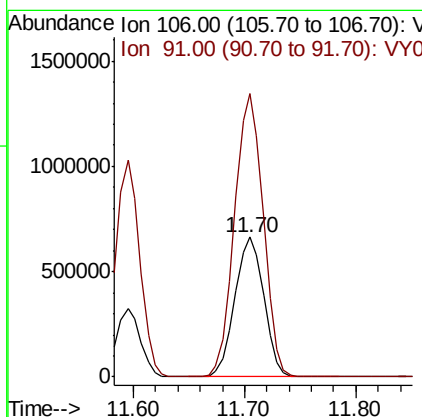
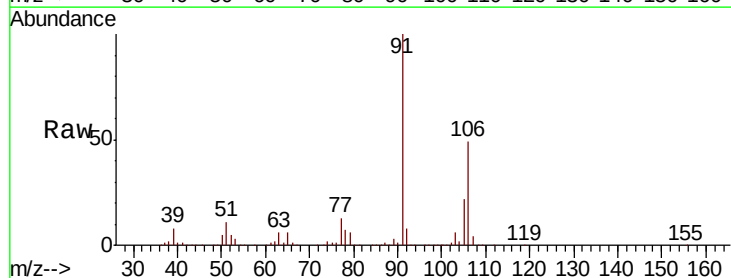
Manual Integrations
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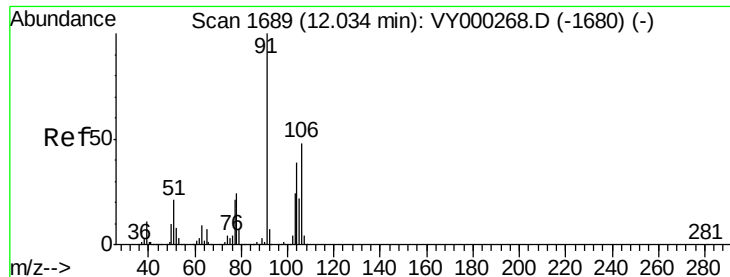
MMDadoda
10/15/2019 12:33:49 PM



#68
m/p-Xylenes
Concen: 195.310 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion: 106 Resp: 1193853
Ion Ratio Lower Upper
106 100
91 200.8 157.5 236.3





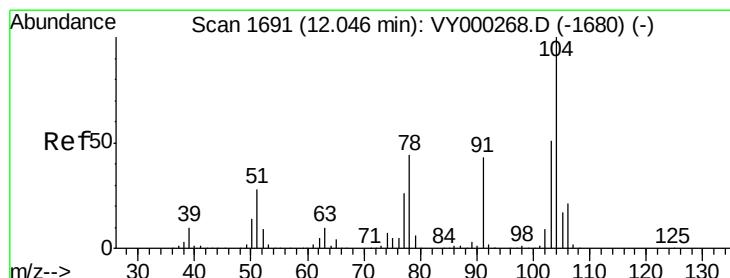
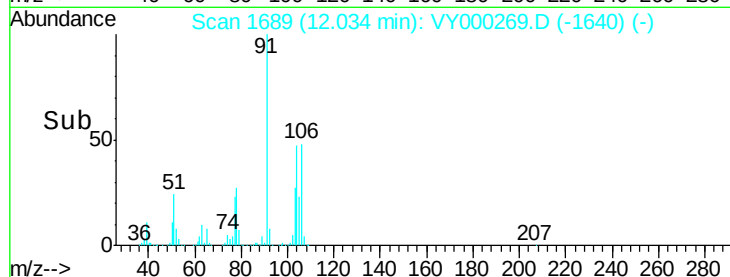
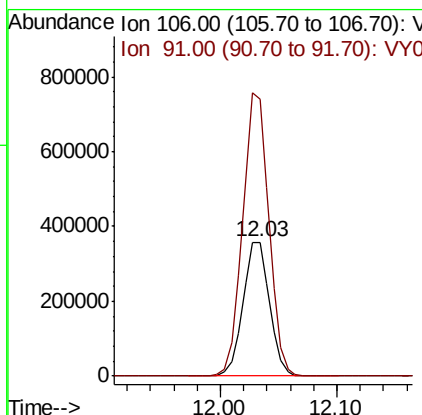
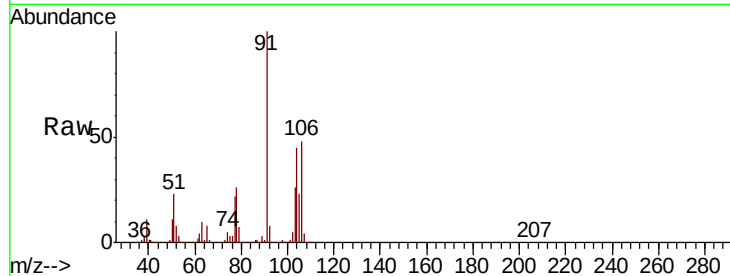
#69
o-Xylene
Concen: 97.295 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.8	104.7	313.9	

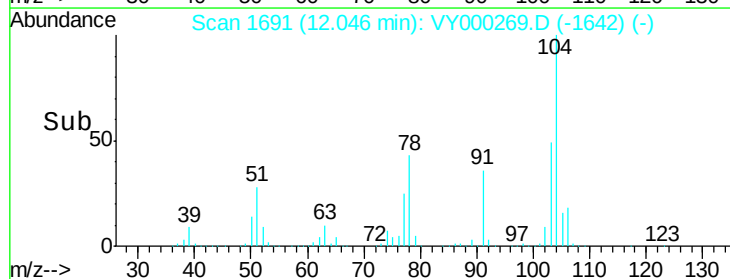
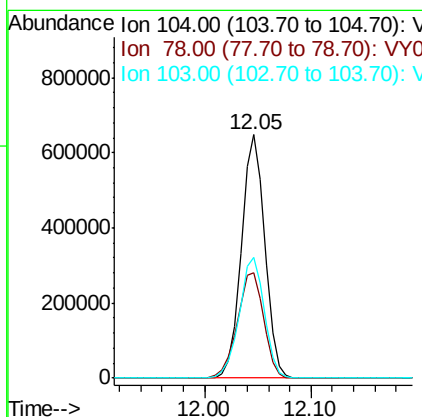
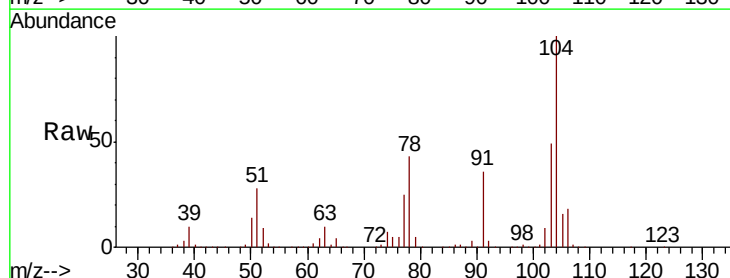
Manual Integrations
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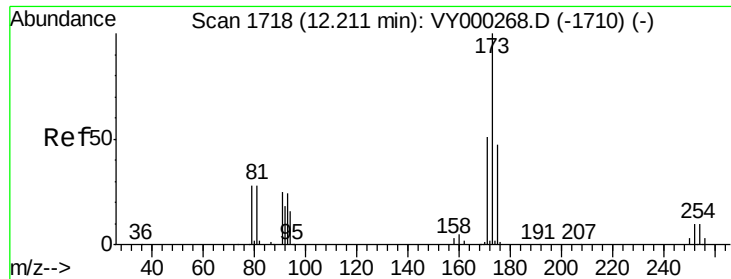
MMDadoda
10/15/2019 12:33:49 PM



#70
Styrene
Concen: 101.861 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.9	39.0	58.6	
103	53.1	43.1	64.7	





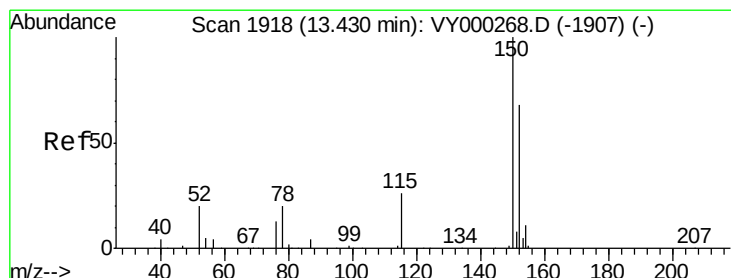
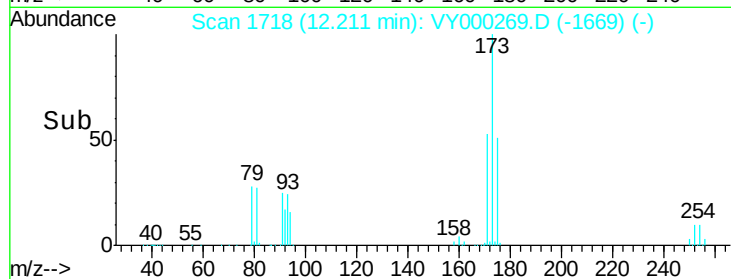
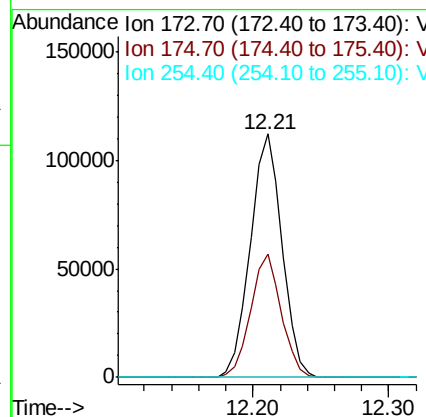
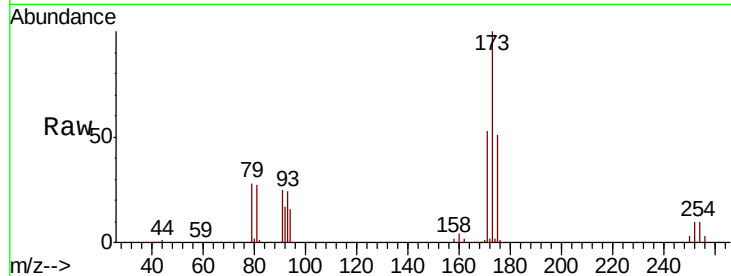
#71
Bromoform
Concen: 104.876 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.1	0.1	0.1

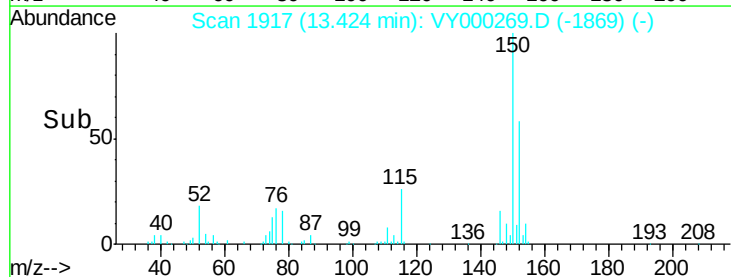
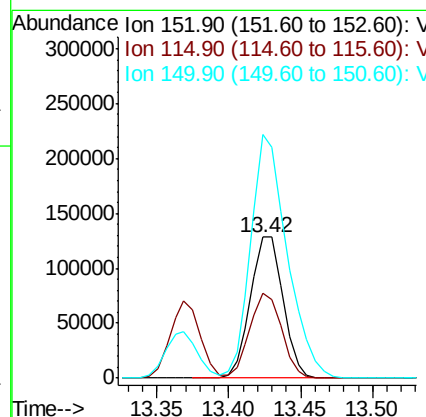
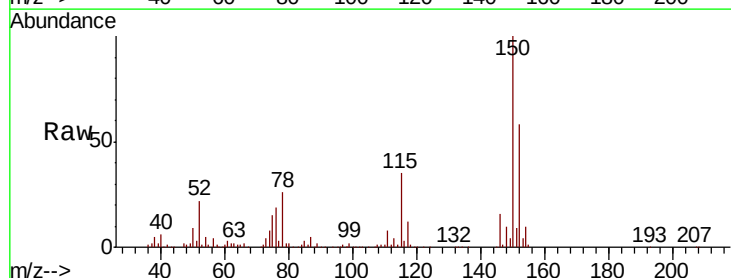
Manual Integrations
APPROVED

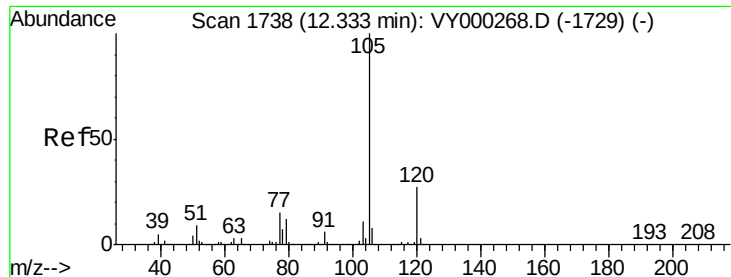
MMDadoda
10/15/2019 12:33:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	192.4	0.0	348.4





#73

Isopropylbenzene

Concen: 99.304 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1558530

Ion Ratio Lower Upper

105 100

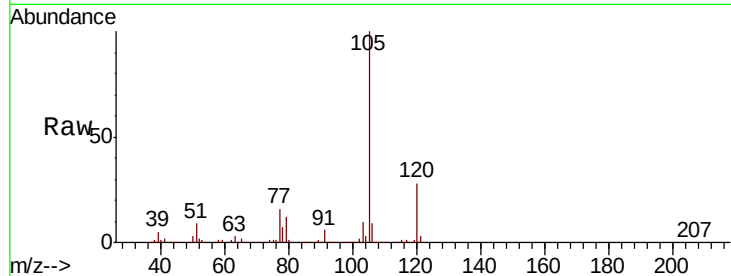
120 26.8 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

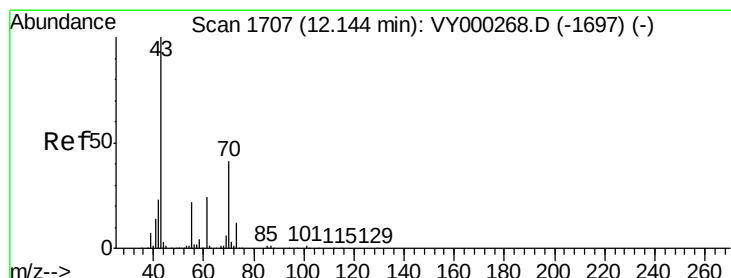
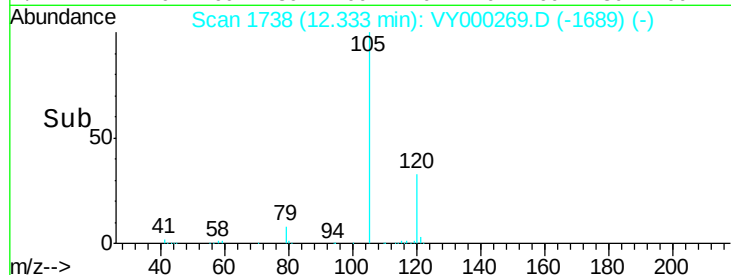
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 112.961 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion: 43 Resp: 435234

Ion Ratio Lower Upper

43 100

70 43.4 32.9 49.3

55 22.1 17.8 26.6

61 24.8 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

400000

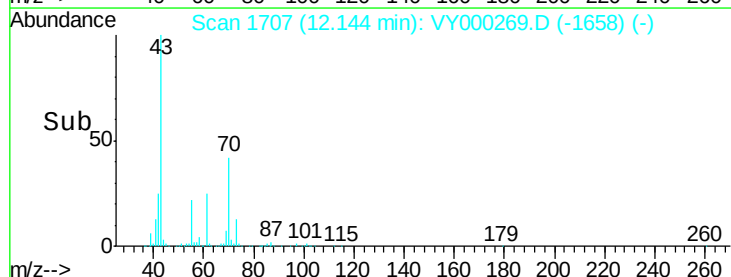
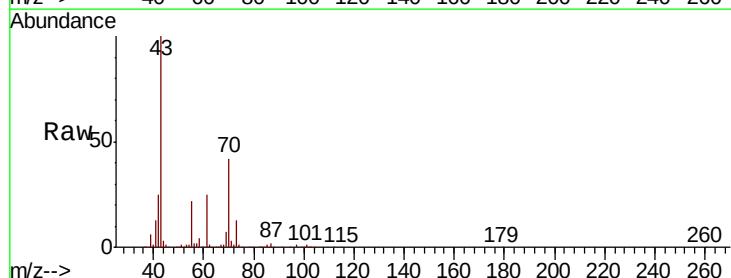
300000

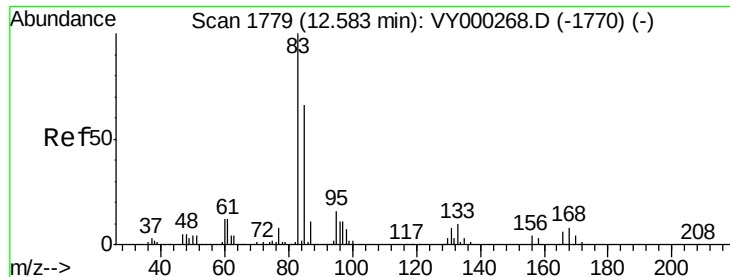
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 104.820 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

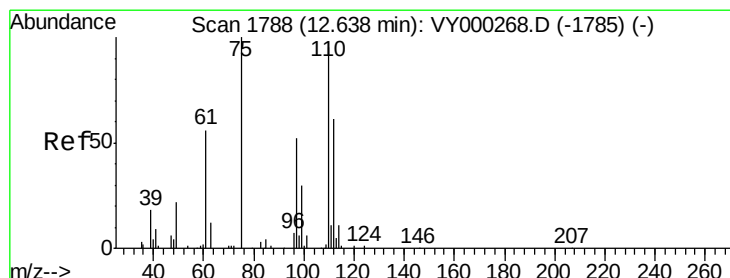
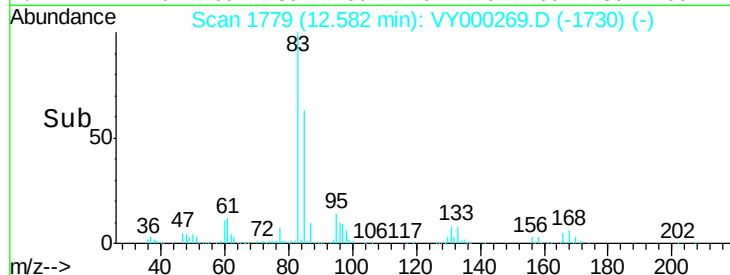
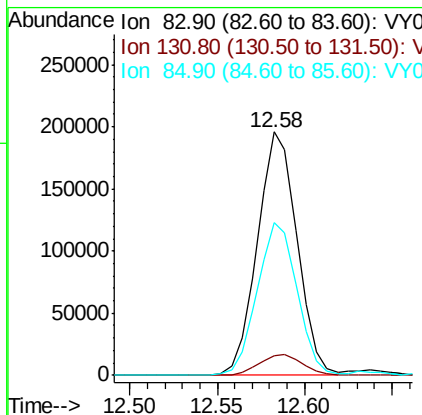
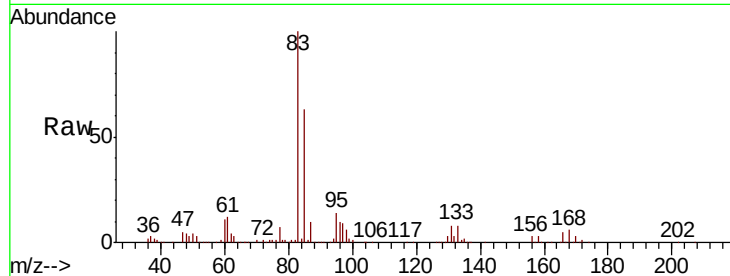
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	308877
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.3	16.1
85	63.3	32.9	98.7

Manual Integrations
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10/15/2019 12:33:49 PM



#76

1,2,3-Trichloropropane

Concen: 62.526 ug/l m

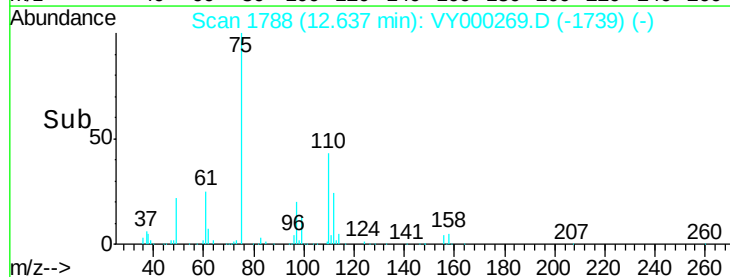
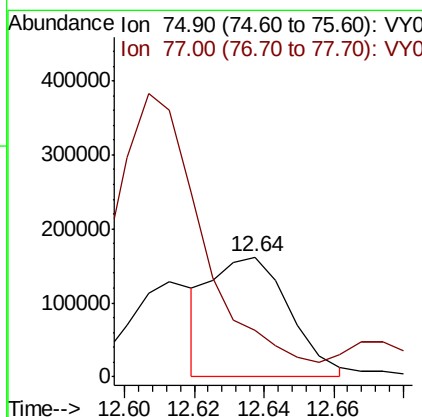
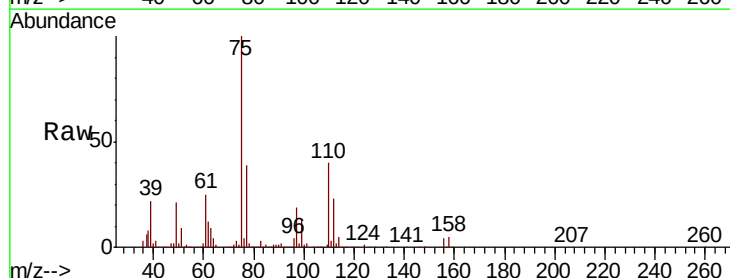
RT: 12.64 min Scan# 1788

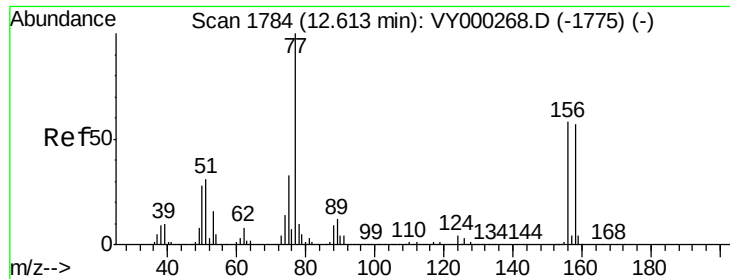
Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion:	75	Resp:	251590
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





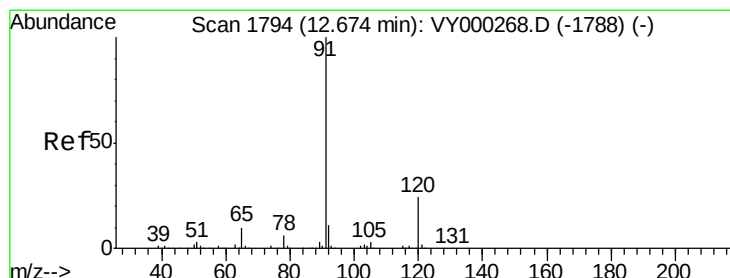
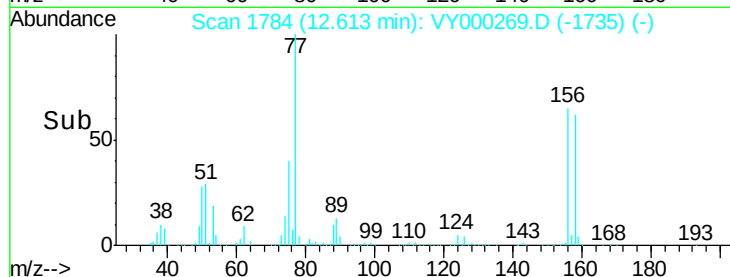
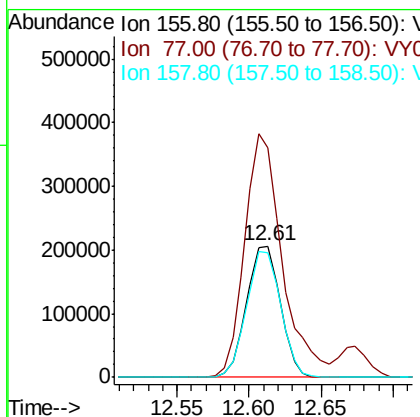
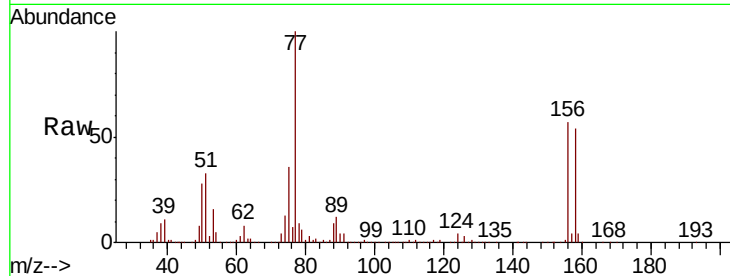
#77
Bromobenzene
Concen: 95.705 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.1	101.0	302.9	
158	97.1	49.7	149.1	

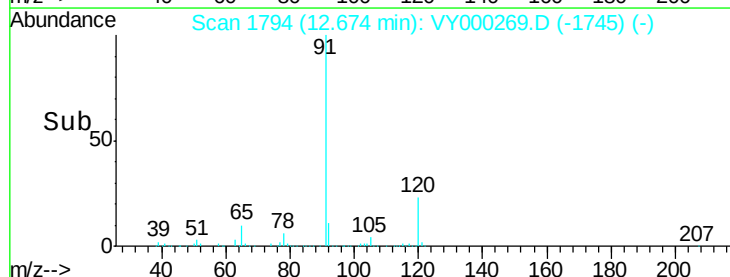
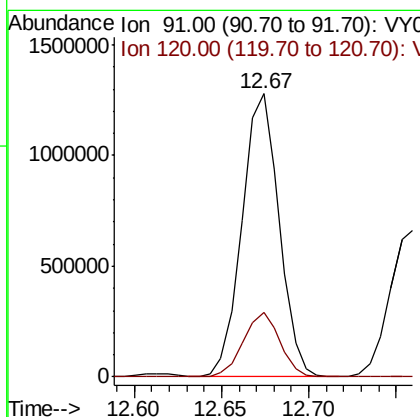
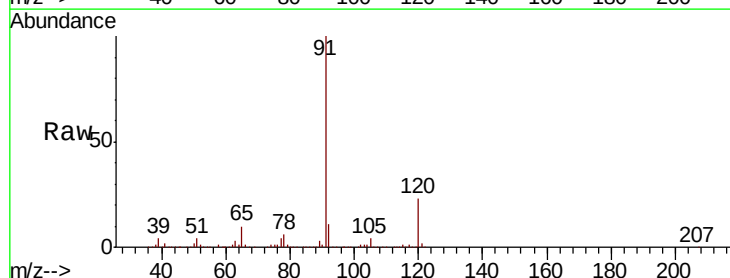
Manual Integrations
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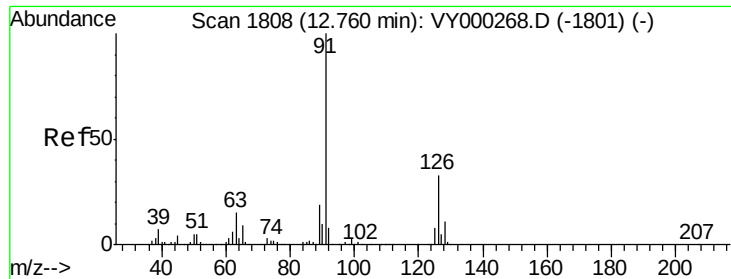
MMDadoda
10/15/2019 12:33:49 PM



#78
n-propylbenzene
Concen: 99.838 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.5	34.5	





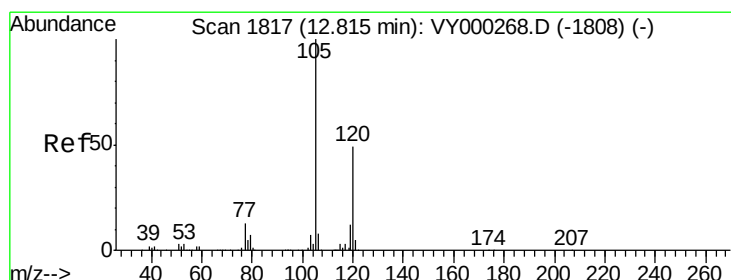
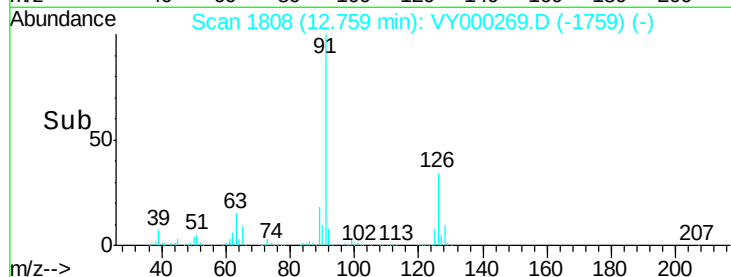
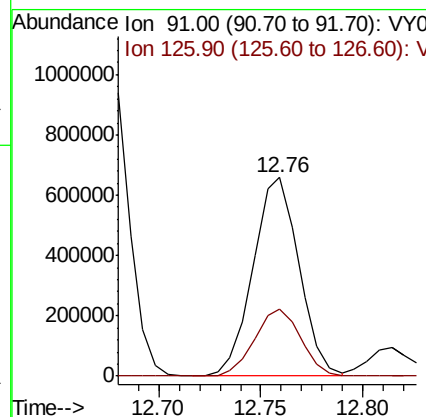
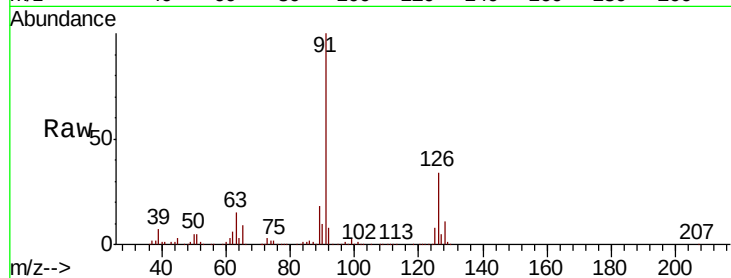
#79
 2-Chlorotoluene
 Concen: 99.250 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1032858
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.1 51.3

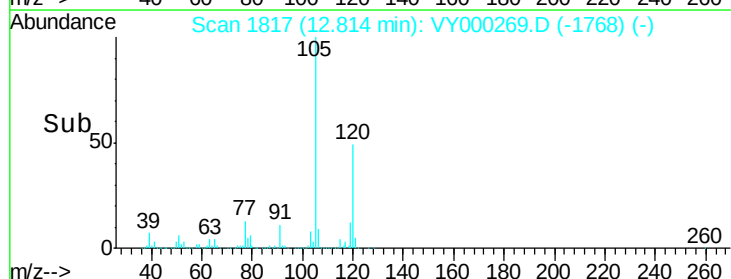
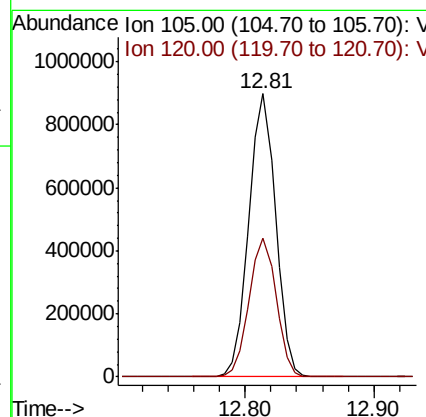
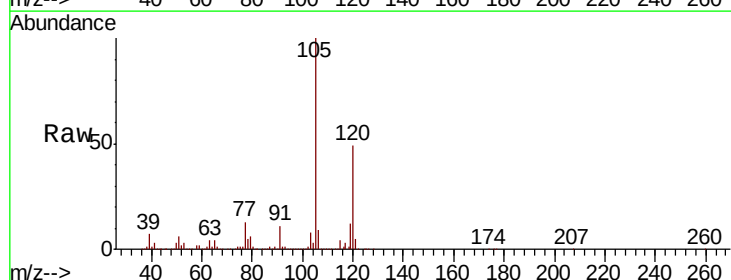
Manual Integrations
 APPROVED

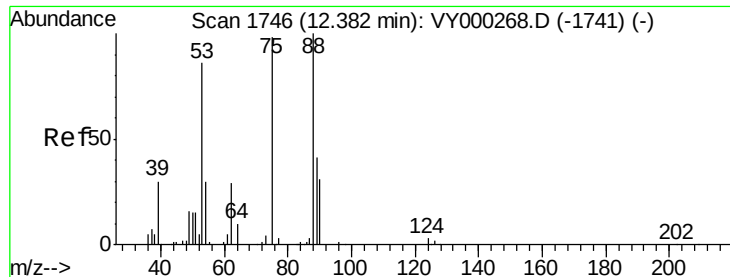
MMDadoda
 10/15/2019 12:33:49 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 97.973 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion: 105 Resp: 1289349
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 109.587 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

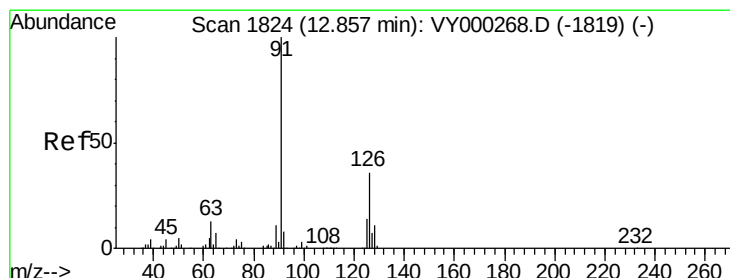
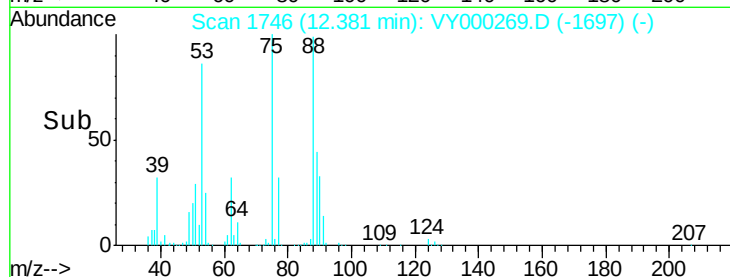
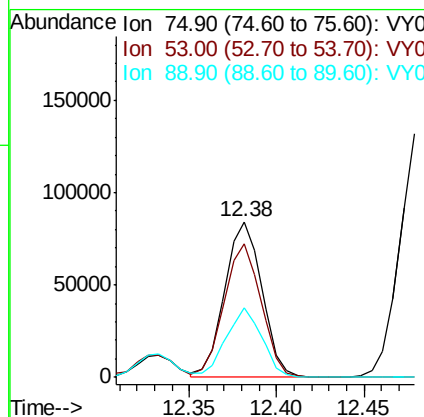
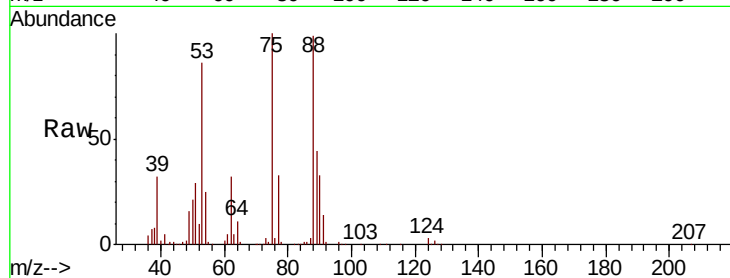
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	123967
Ion Ratio	Lower	Upper	
75	100		
53	86.4	71.3	106.9
89	43.8	35.1	52.7

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:33:49 PM



#82

4-Chlorotoluene

Concen: 100.021 ug/l

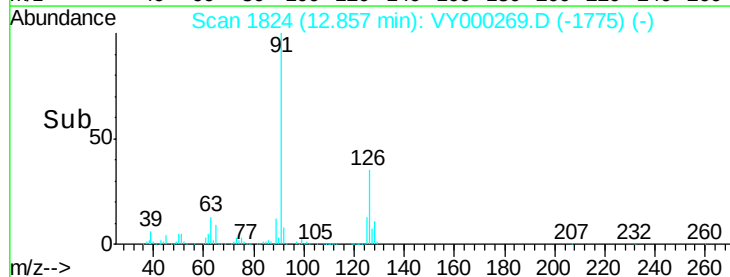
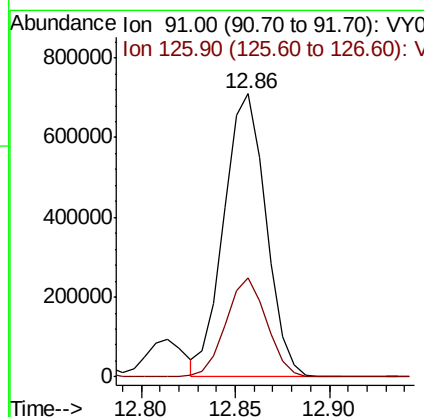
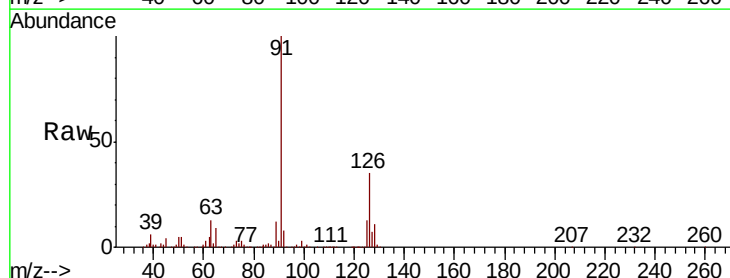
RT: 12.86 min Scan# 1824

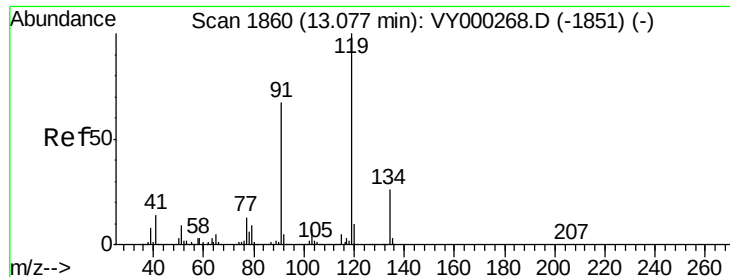
Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Tgt Ion:	91	Resp:	1100262
Ion Ratio	Lower	Upper	
91	100		
126	33.8	17.2	51.5





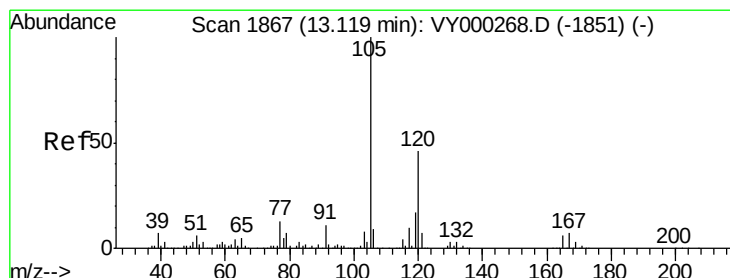
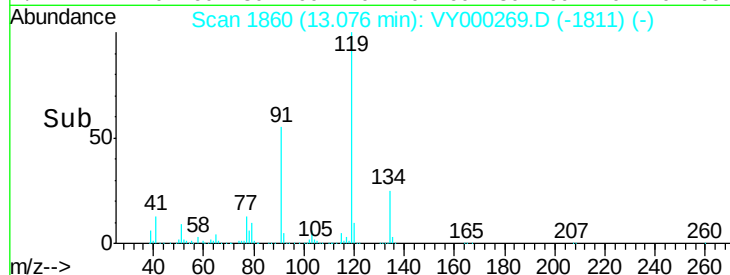
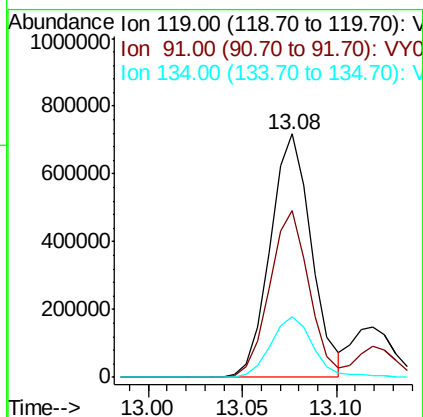
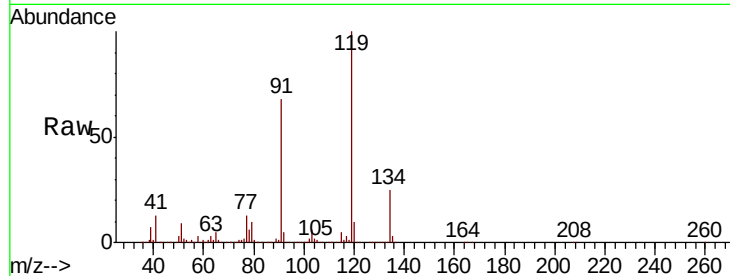
#83
 tert-Butylbenzene
 Concen: 97.668 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1088472
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.9 98.7
 134 25.9 13.3 39.8

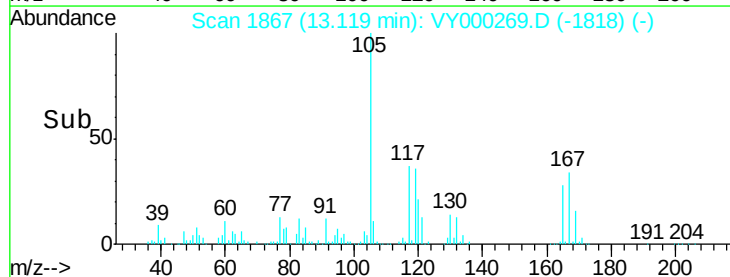
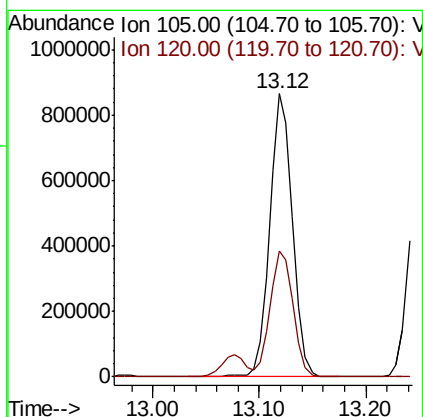
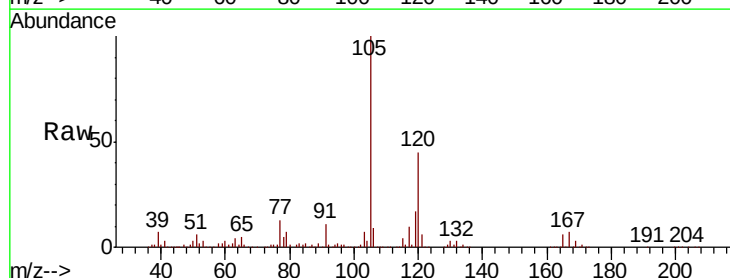
Manual Integrations
 APPROVED

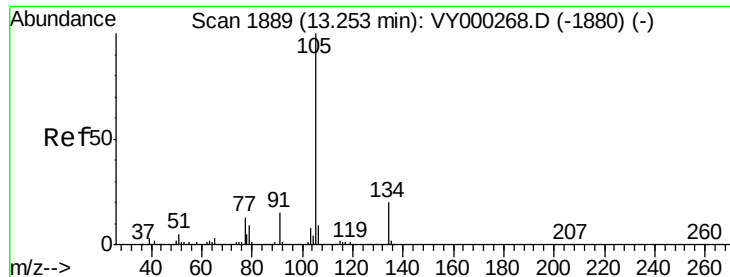
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 98.968 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion:105 Resp: 1285455
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 98.248 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1583965

Ion Ratio Lower Upper

105 100

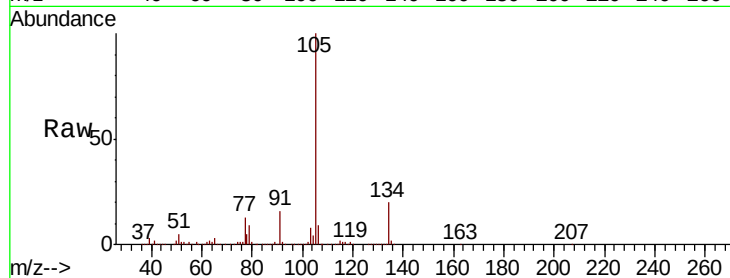
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

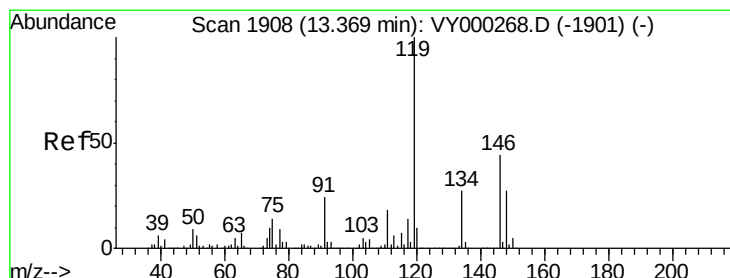
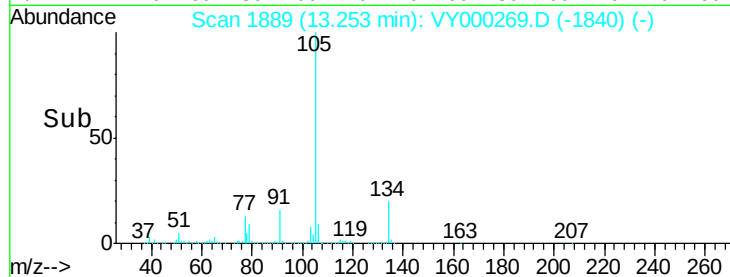
400000

200000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 99.368 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000269.D

Acq: 11 Oct 2019 14:15

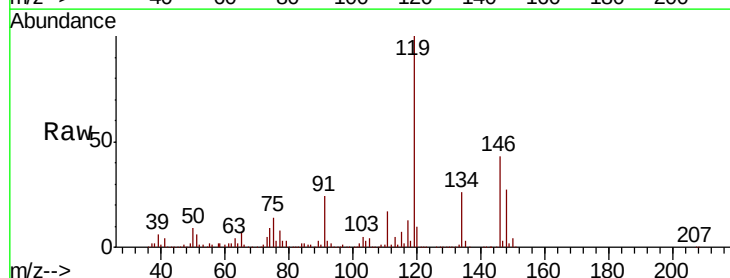
Tgt Ion:119 Resp: 1396666

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

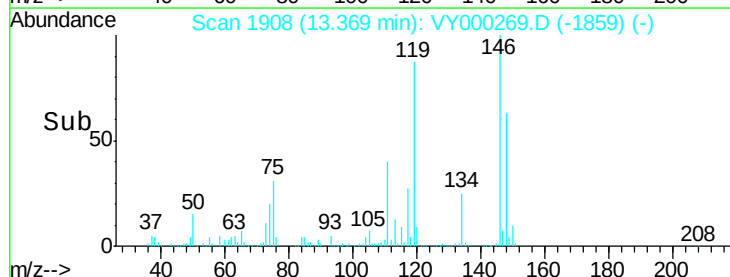
1000000

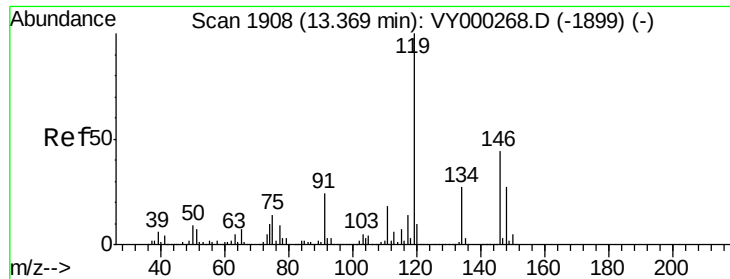
500000

0

13.30 13.35 13.40 13.45

Time-->





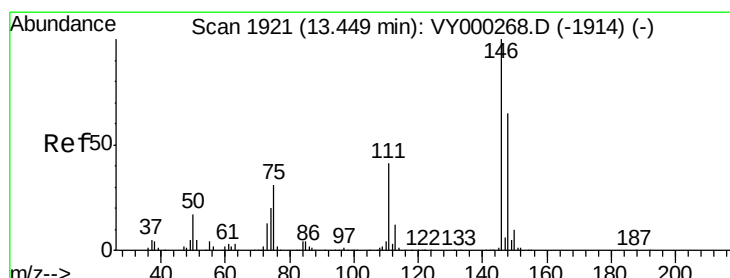
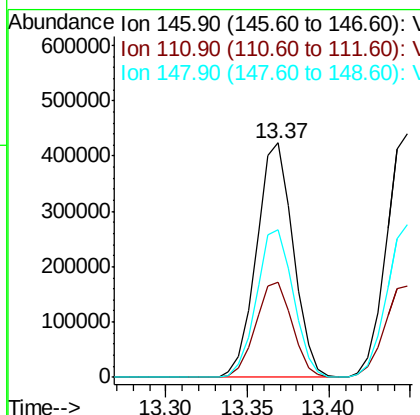
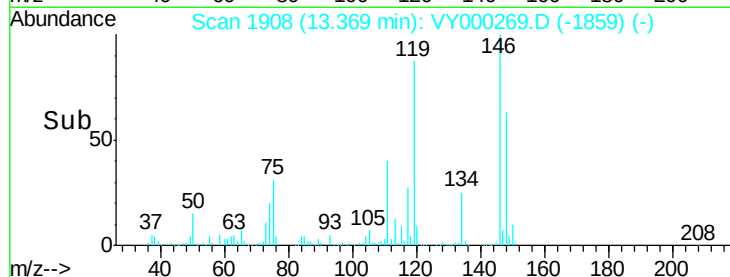
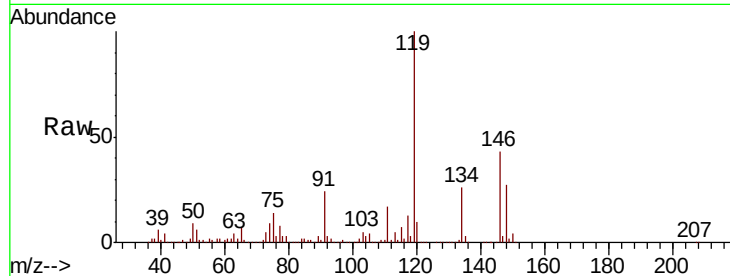
#87
 1,3-Dichlorobenzene
 Concen: 95.793 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	63.2	31.9	95.5

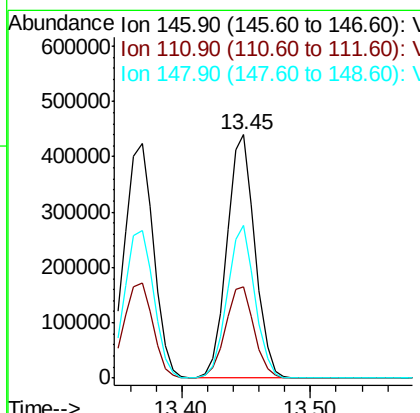
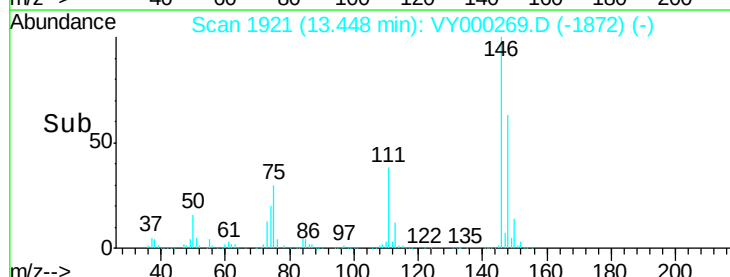
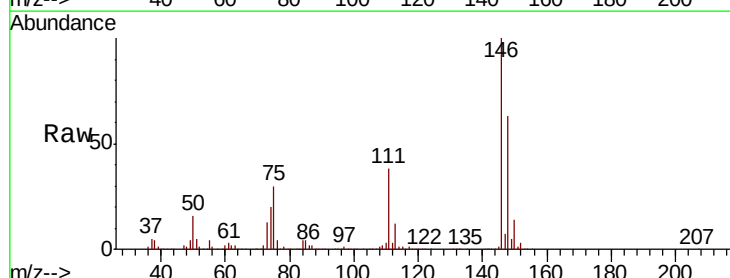
Manual Integrations
 APPROVED

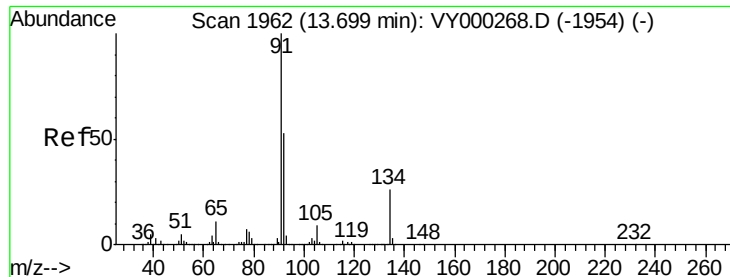
MMDadoda
 10/15/2019 12:33:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 97.113 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	62.0	32.4	97.2





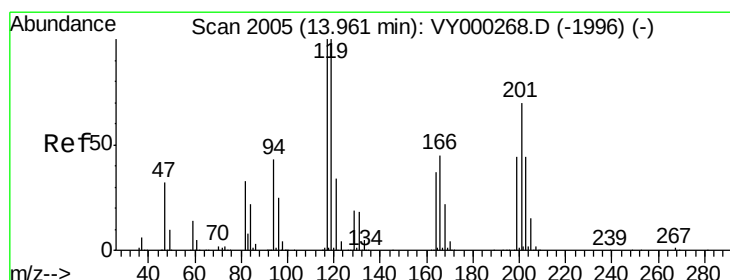
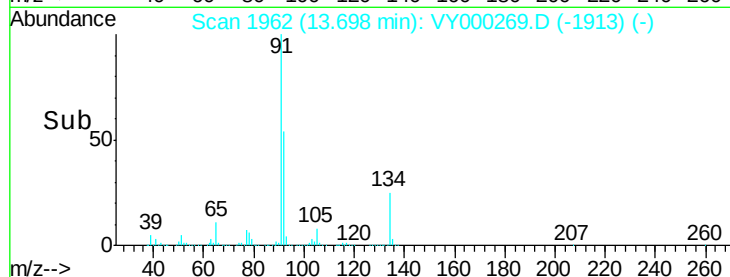
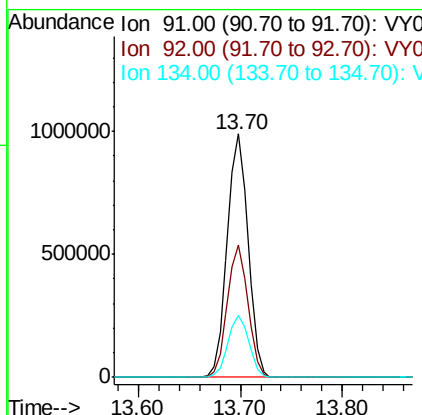
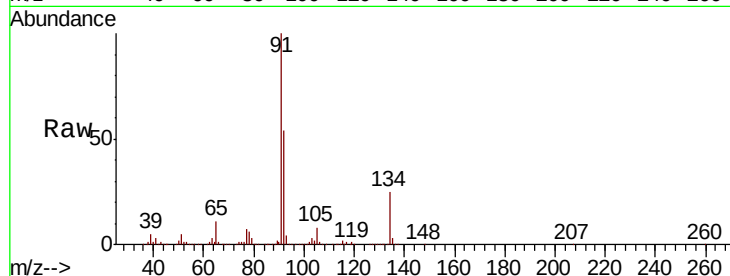
#89
n-Butylbenzene
Concen: 100.702 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.1
134	25.4	13.0	38.9

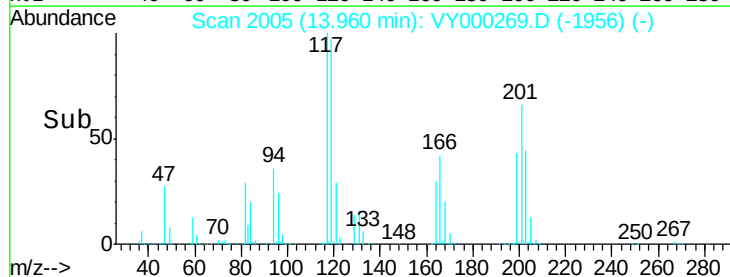
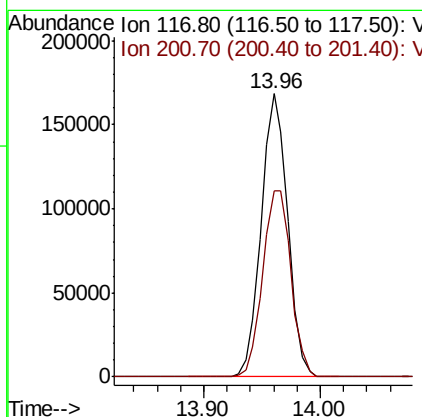
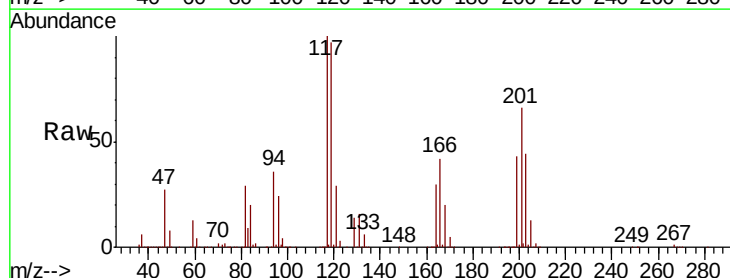
Manual Integrations
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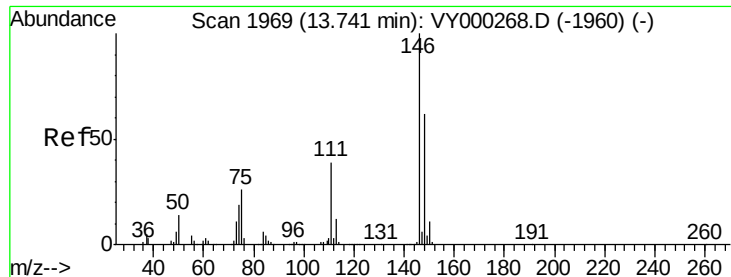
MMDadoda
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#90
Hexachloroethane
Concen: 102.473 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	36.3	108.7





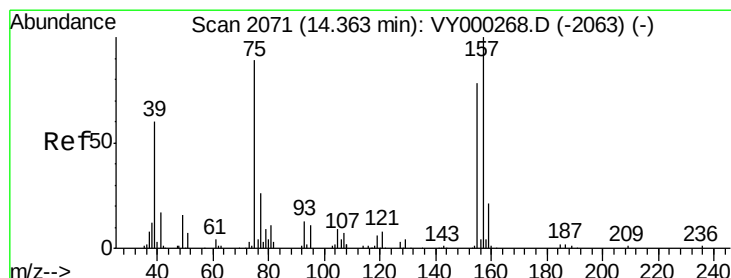
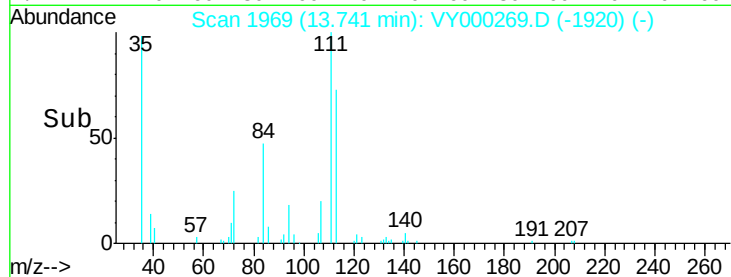
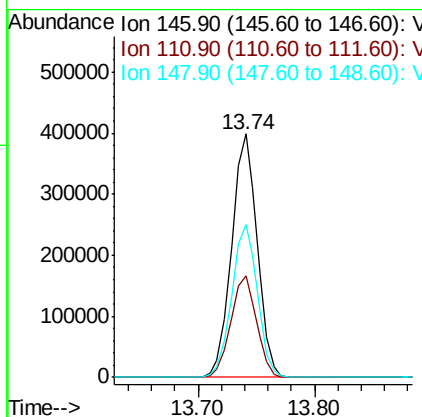
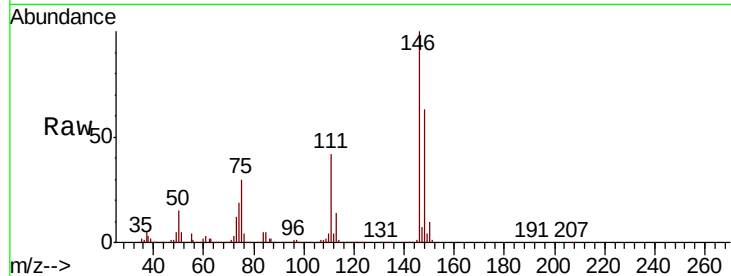
#91
 1,2-Dichlorobenzene
 Concen: 97.414 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.5
148	63.1	31.6	95.0

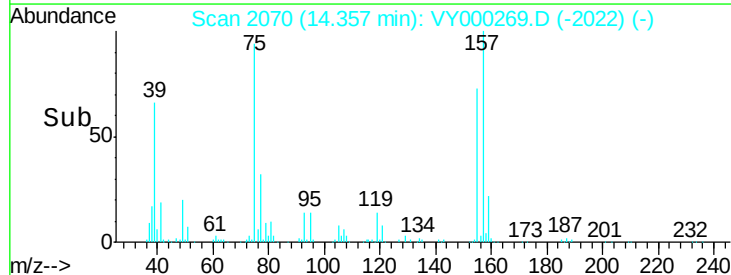
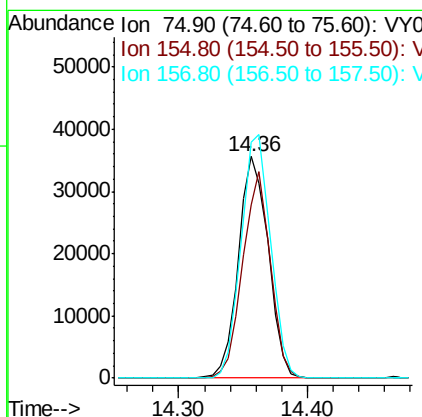
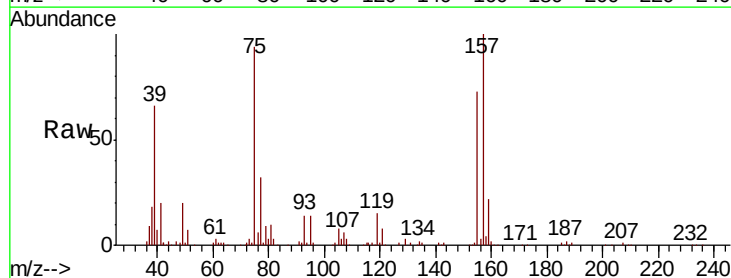
Manual Integrations
 APPROVED

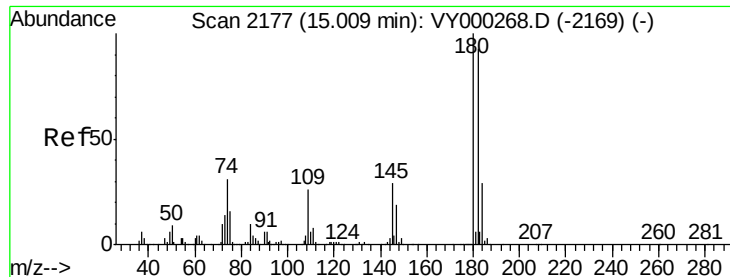
MMDadoda
 10/15/2019 12:33:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.052 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	45.8	137.3
157	108.6	55.6	166.9





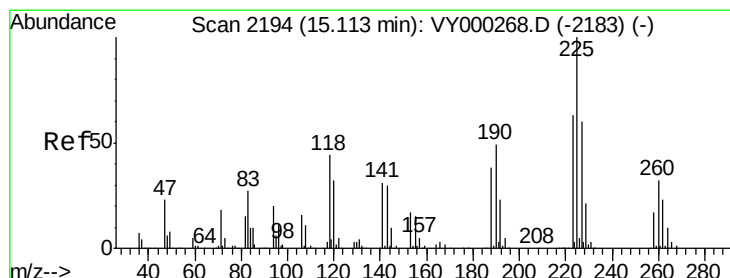
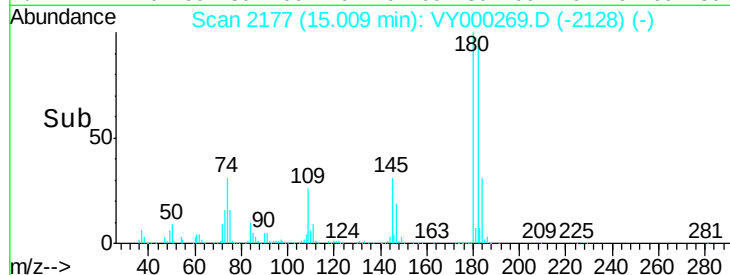
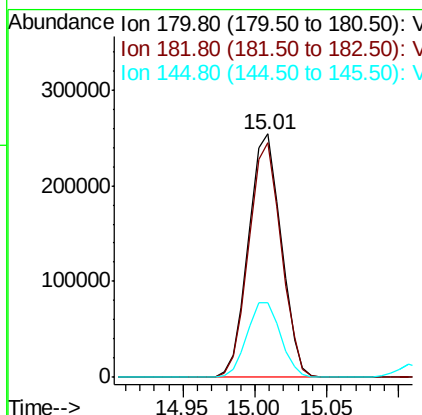
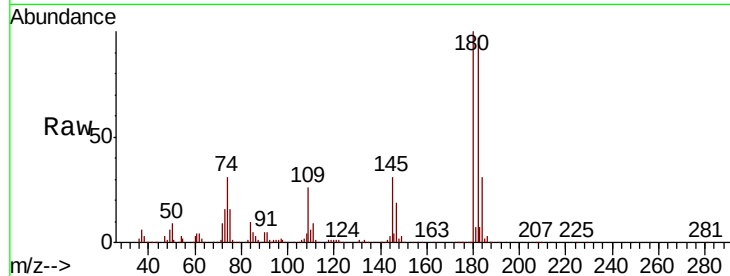
#93
 1,2,4-Trichlorobenzene
 Concen: 92.137 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399467		
182	95.6	47.5	142.6	
145	31.5	15.4	46.1	

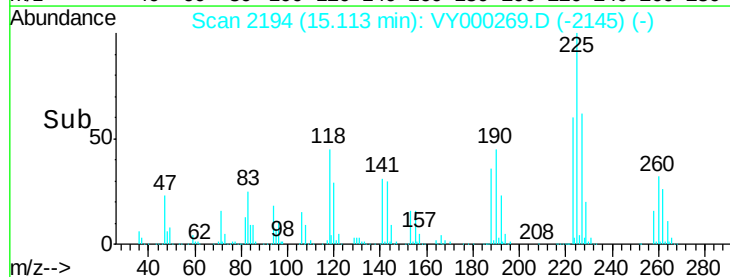
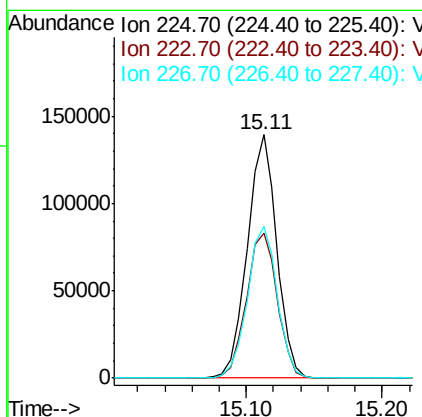
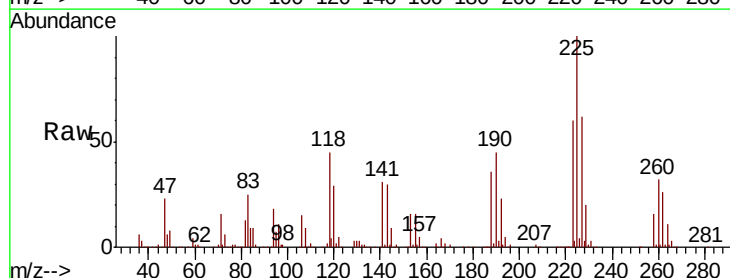
Manual Integrations
 APPROVED

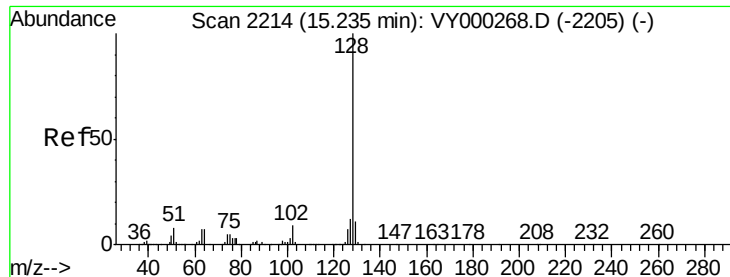
MMDadoda
 10/15/2019 12:33:49 PM



#94
 Hexachlorobutadiene
 Concen: 90.033 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000269.D
 Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	211243		
223	62.4	31.9	95.7	
227	63.4	31.4	94.2	





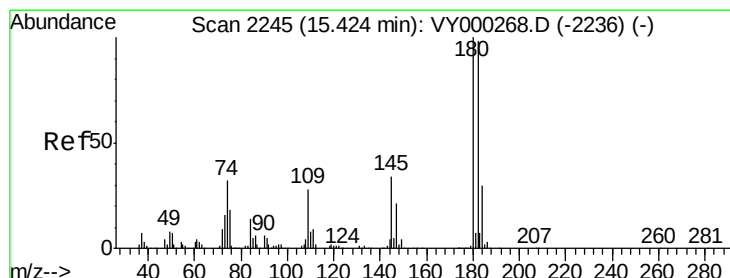
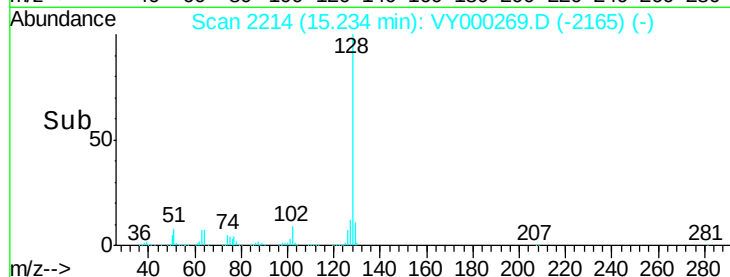
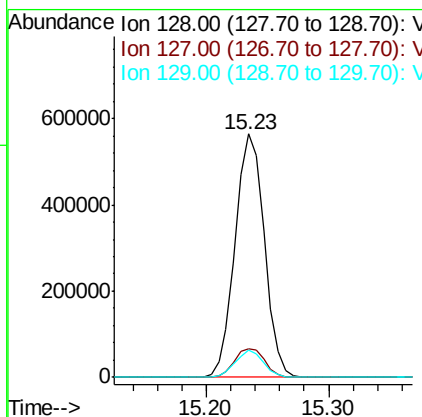
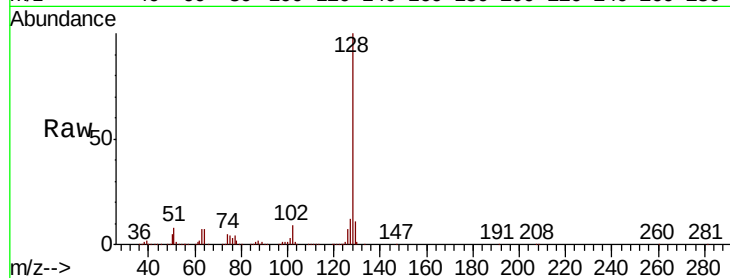
#95
Naphthalene
Concen: 96.373 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	932445		
127	12.4		9.6	14.4
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:33:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 93.462 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000269.D
Acq: 11 Oct 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	365197		
182	94.0		46.5	139.5
145	32.0		16.2	48.5

