

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001624.D
 Acq On : 13 Feb 2020 12:27
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:06:07 PM

Quant Time: Feb 14 06:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136371	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	95742	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.74	113	89681	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.19	98	369426	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.49	95	133143	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31998	18.011	ug/l	100
3) Chloromethane	2.12	50	43914	23.650	ug/l	97
4) Vinyl Chloride	2.26	62	44390	23.024	ug/l	93
5) Bromomethane	2.66	94	31074	25.627	ug/l	98
6) Chloroethane	2.80	64	28344	24.389	ug/l	91
7) Trichlorofluoromethane	3.14	101	61350	19.224	ug/l	100
8) Diethyl Ether	3.55	74	23374	21.704	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36953	19.244	ug/l	99
10) Methyl Iodide	4.11	142	43366	17.724	ug/l	99
11) Tert butyl alcohol	4.97	59	26457	109.786	ug/l	96
12) 1,1-Dichloroethene	3.89	96	38076	19.955	ug/l	98
13) Acrolein	3.75	56	15553	89.887	ug/l	94
14) Allyl chloride	4.50	41	68119	23.336	ug/l	96
15) Acrylonitrile	5.19	53	60645	122.837	ug/l	99
16) Acetone	3.97	43	57966	109.664	ug/l	97
17) Carbon Disulfide	4.21	76	118056	19.435	ug/l	99
18) Methyl Acetate	4.50	43	30869	27.367	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	105000	20.692	ug/l	96
20) Methylene Chloride	4.74	84	50966	21.976	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	42693	20.126	ug/l	95
22) Diisopropyl ether	6.14	45	136623	23.624	ug/l	91
23) Vinyl Acetate	6.09	43	442834	120.286	ug/l	96
24) 1,1-Dichloroethane	6.04	63	73197	21.042	ug/l	96
25) 2-Butanone	7.01	43	85636	124.880	ug/l	96
26) 2,2-Dichloropropane	7.00	77	66288	19.911	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	47650	20.567	ug/l	96
28) Bromochloromethane	7.36	49	26274	22.172	ug/l	89
29) Tetrahydrofuran	7.37	42	53270	129.605	ug/l	93
30) Chloroform	7.53	83	71138	20.189	ug/l	100
31) Cyclohexane	7.81	56	74466	20.928	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	61889	19.373	ug/l	96
36) 1,1-Dichloropropene	7.94	75	58990	20.352	ug/l	99
37) Ethyl Acetate	7.10	43	35637	25.398	ug/l	96
38) Carbon Tetrachloride	7.92	117	53576	19.105	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001624.D
 Acq On : 13 Feb 2020 12:27
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:06:07 PM

Quant Time: Feb 14 06:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76230	19.974	ug/l	95
40) Benzene	8.18	78	174474	21.104	ug/l	97
41) Methacrylonitrile	7.33	41	16644m	25.594	ug/l	
42) 1,2-Dichloroethane	8.26	62	48520	21.066	ug/l	98
43) Isopropyl Acetate	8.29	43	68556	24.677	ug/l	93
44) Trichloroethene	8.96	130	43483	19.513	ug/l	85
45) 1,2-Dichloropropane	9.23	63	43997	22.039	ug/l	96
46) Dibromomethane	9.32	93	23036	20.549	ug/l	99
47) Bromodichloromethane	9.52	83	54519	19.960	ug/l	93
48) Methyl methacrylate	9.31	41	30023	23.811	ug/l	94
49) 1,4-Dioxane	9.32	88	6237	421.288	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	177836	129.983	ug/l	94
52) Toluene	10.26	92	108924	20.765	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	59981	20.162	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	69274	20.283	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	34237	21.287	ug/l	99
56) Ethyl methacrylate	10.52	69	50099	21.900	ug/l	90
57) 1,3-Dichloropropane	10.80	76	59391	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	88453	105.106	ug/l	96
59) 2-Hexanone	10.85	43	125669	126.330	ug/l	96
60) Dibromochloromethane	11.00	129	37371	19.712	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32584	20.569	ug/l	98
64) Tetrachloroethene	10.74	164	35975	19.593	ug/l	97
65) Chlorobenzene	11.53	112	112286	20.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	38795	20.164	ug/l	98
67) Ethyl Benzene	11.61	91	206870	20.353	ug/l	99
68) m/p-Xylenes	11.72	106	154849	40.583	ug/l	99
69) o-Xylene	12.04	106	75315	20.935	ug/l	98
70) Styrene	12.06	104	128854	20.711	ug/l	98
71) Bromoform	12.22	173	20964	19.568	ug/l #	97
73) Isopropylbenzene	12.35	105	197827	19.020	ug/l	99
74) N-amyl acetate	12.16	43	62266	23.039	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	42231	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	32006m	21.824	ug/l	
77) Bromobenzene	12.62	156	43753	19.438	ug/l	96
78) n-propylbenzene	12.69	91	240318	19.300	ug/l	100
79) 2-Chlorotoluene	12.77	91	135382	19.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	165511	18.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14702	19.398	ug/l	93
82) 4-Chlorotoluene	12.87	91	143056	19.224	ug/l	100
83) tert-Butylbenzene	13.09	119	137508	18.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	165787	19.123	ug/l	99
85) sec-Butylbenzene	13.27	105	201063	19.315	ug/l	99
86) p-Isopropyltoluene	13.38	119	176916	19.286	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	84435	19.574	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	85039	19.678	ug/l	99
89) n-Butylbenzene	13.71	91	178270	19.696	ug/l	99
90) Hexachloroethane	13.97	117	32866	18.667	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	78815	20.162	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7286	19.973	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
Data File : VY001624.D
Acq On : 13 Feb 2020 12:27
Operator : SY/MD
Sample : VY0213SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

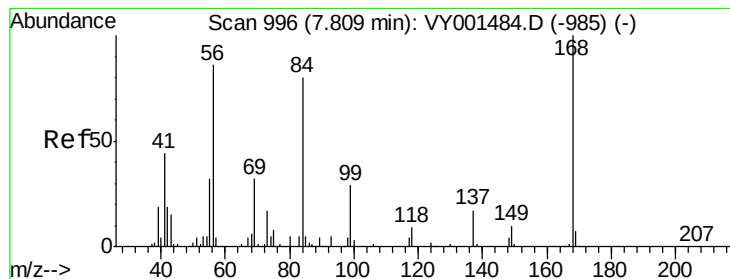
Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM

Quant Time: Feb 14 06:45:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49681	18.859	ug/l	96
94) Hexachlorobutadiene	15.13	225	25486	19.062	ug/l	98
95) Naphthalene	15.25	128	117014	18.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	44660	19.206	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion:168 Resp: 181490

Ion Ratio Lower Upper

168 100

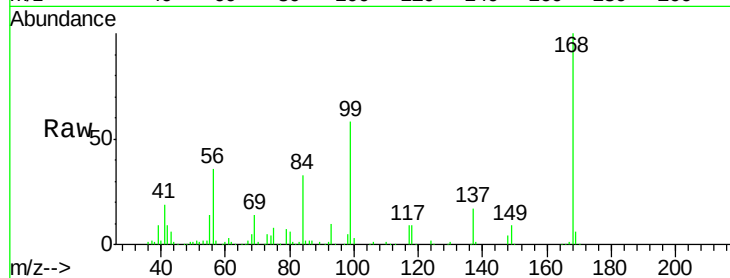
99 57.7 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:07 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

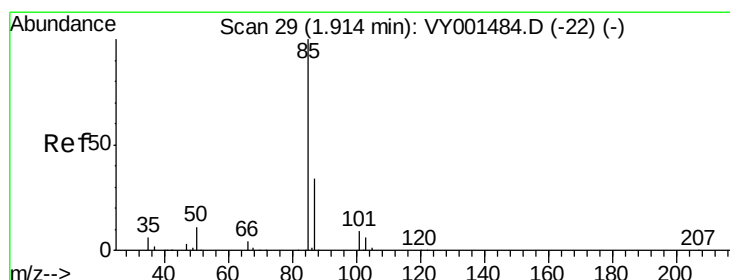
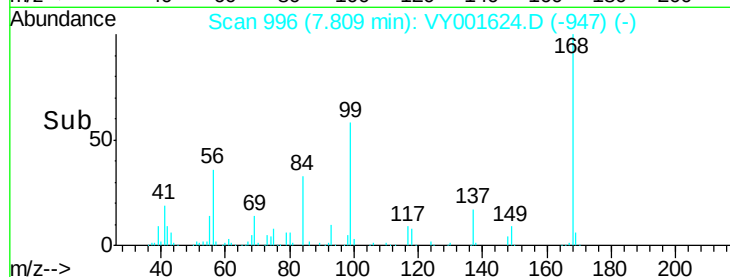
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.011 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001624.D

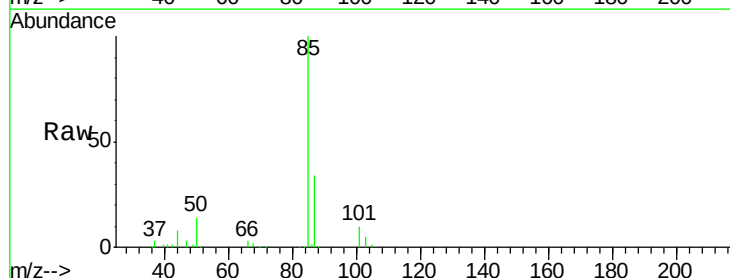
Acq: 13 Feb 2020 12:27

Tgt Ion: 85 Resp: 31998

Ion Ratio Lower Upper

85 100

87 33.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

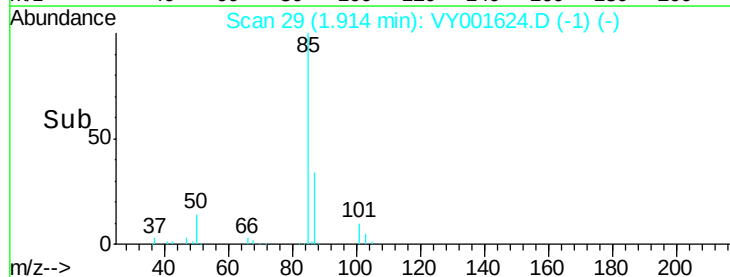
10000

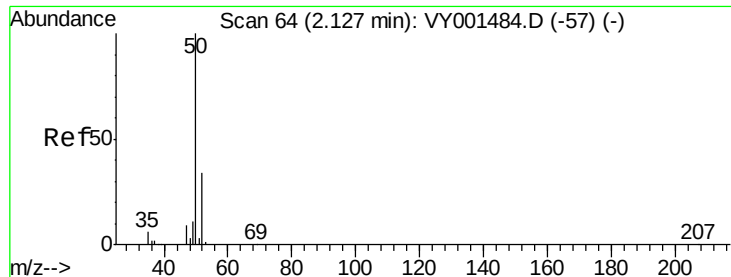
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





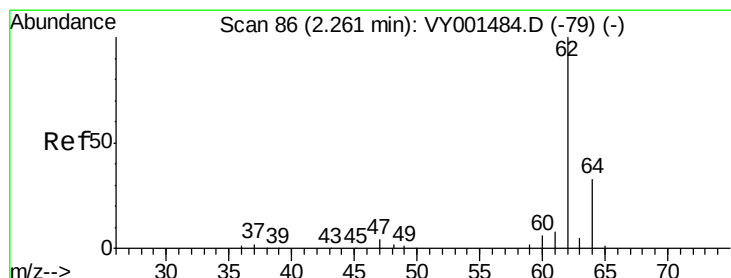
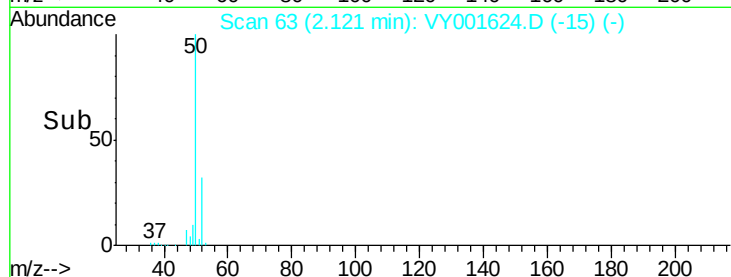
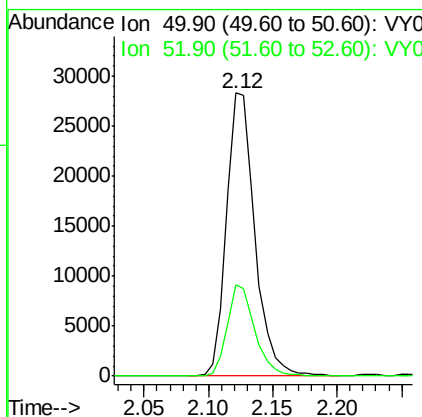
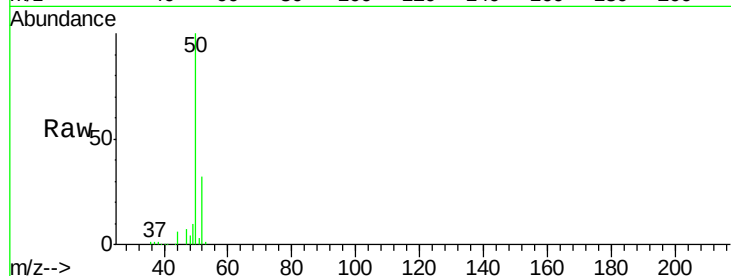
#3
Chloromethane
Concen: 23.650 ug/l
RT: 2.12 min Scan# 63
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 50 Resp: 43914
Ion Ratio Lower Upper
50 100
52 32.1 27.3 40.9

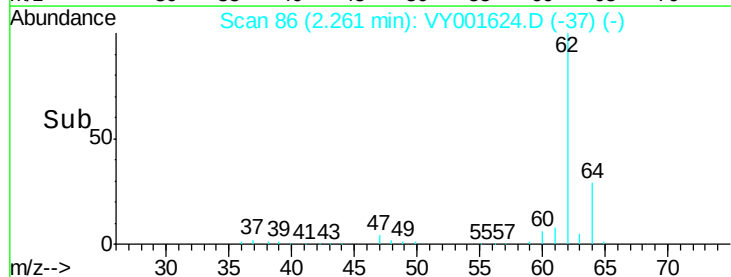
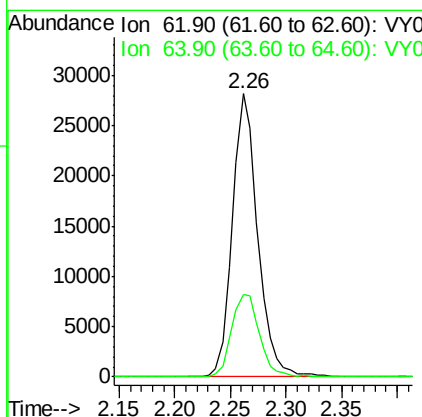
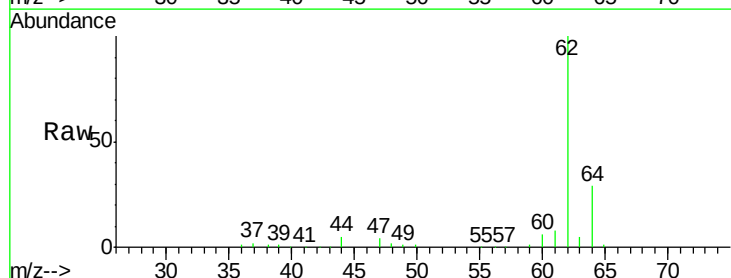
Manual Integrations
APPROVED

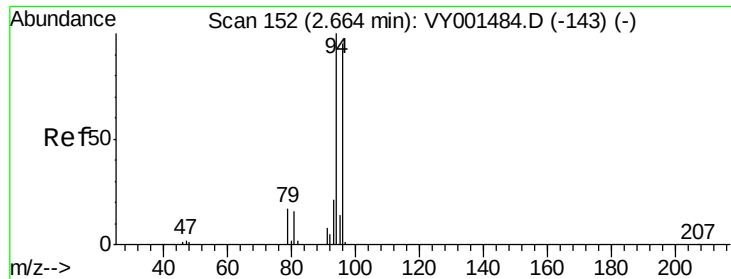
MMDadoda
2/14/2020 5:06:07 PM



#4
Vinyl Chloride
Concen: 23.024 ug/l
RT: 2.26 min Scan# 86
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 62 Resp: 44390
Ion Ratio Lower Upper
62 100
64 29.2 26.4 39.6





#5

Bromomethane

Concen: 25.627 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 94 Resp: 31074

Ion Ratio Lower Upper

94 100

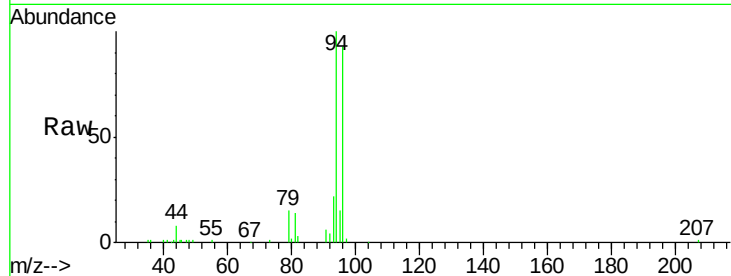
96 92.9 76.2 114.2

Manual Integrations

APPROVED

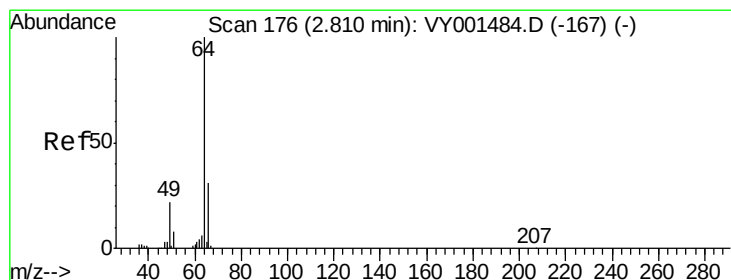
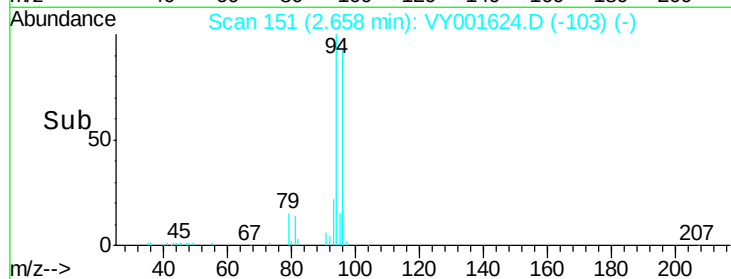
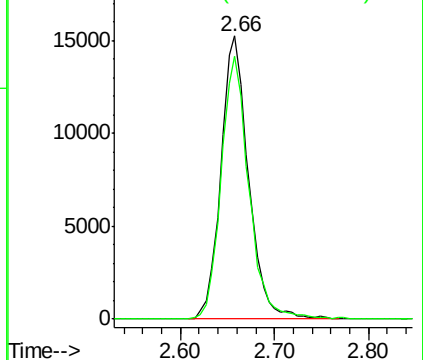
MMDadoda

2/14/2020 5:06:07 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 24.389 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001624.D

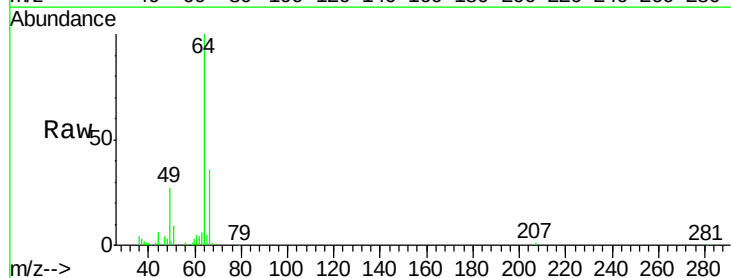
Acq: 13 Feb 2020 12:27

Tgt Ion: 64 Resp: 28344

Ion Ratio Lower Upper

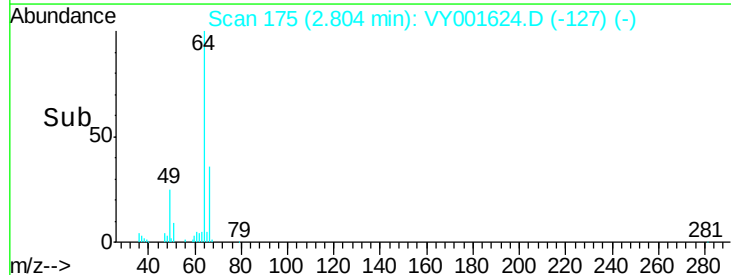
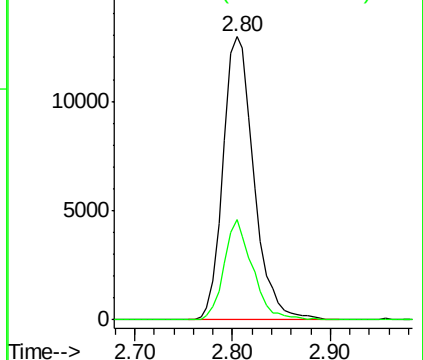
64 100

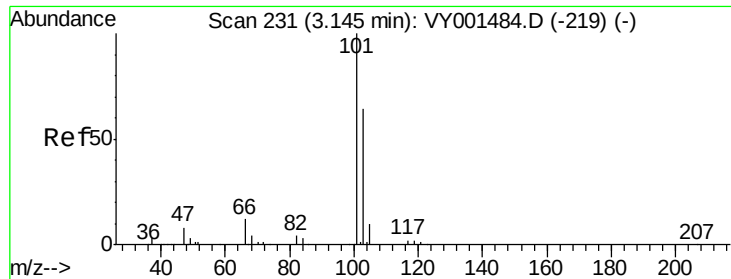
66 35.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

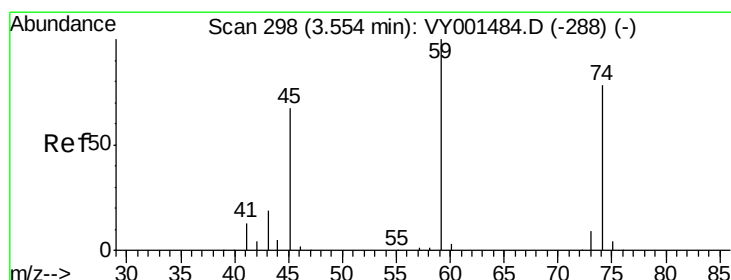
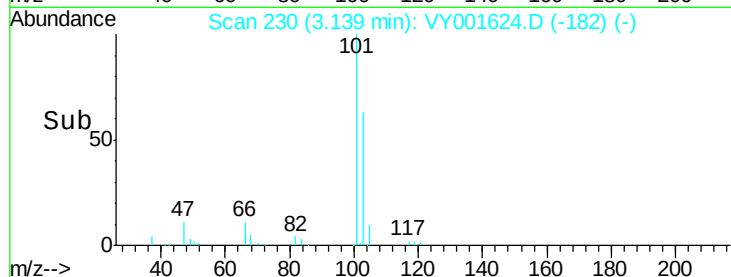
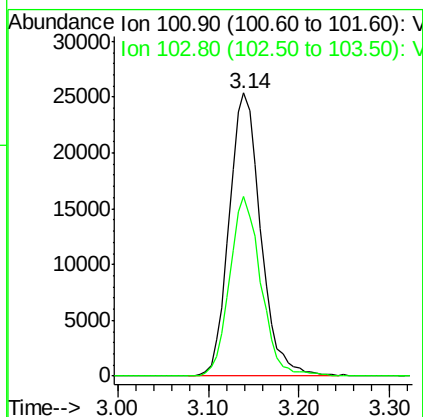
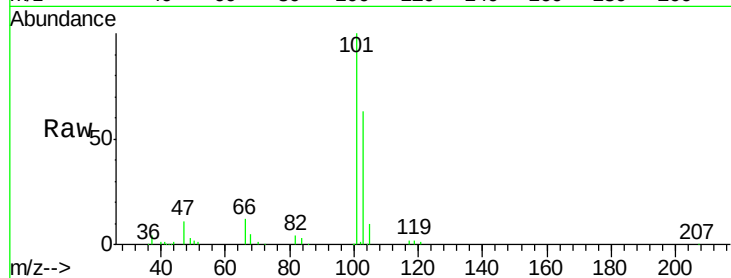
Trichlorofluoromethane
 Concen: 19.224 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

Manual Integrations
 APPROVED

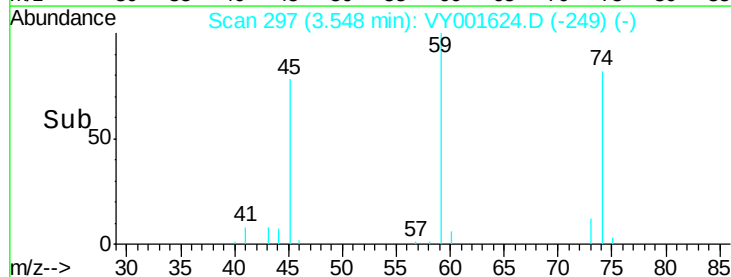
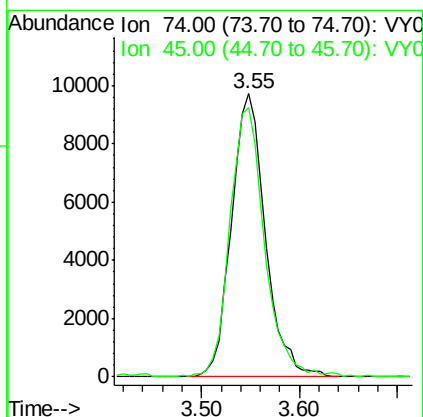
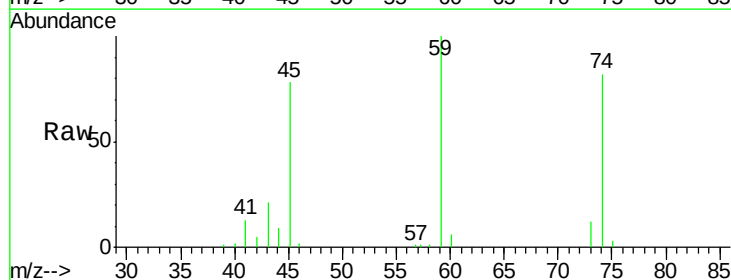
MMDadoda
 2/14/2020 5:06:07 PM

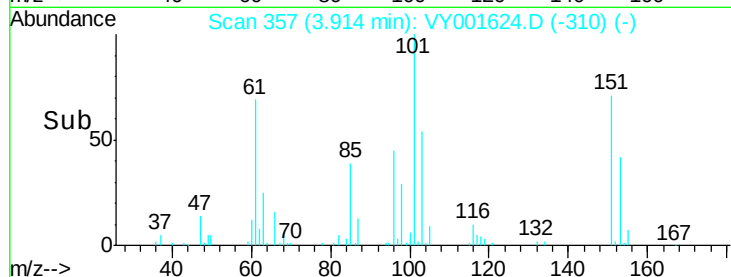
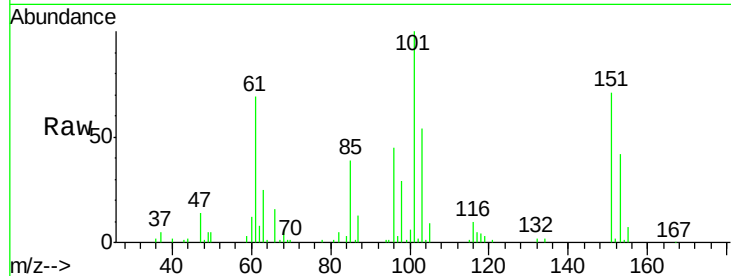
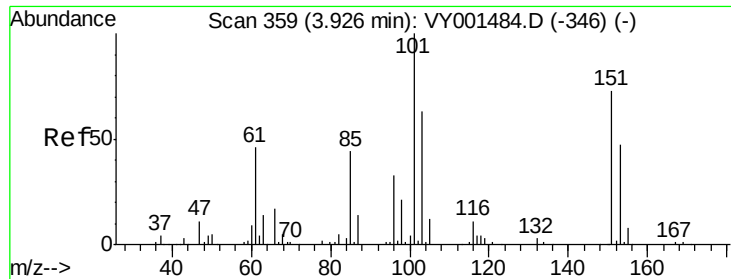


#8

Diethyl Ether
 Concen: 21.704 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	44.5	133.5





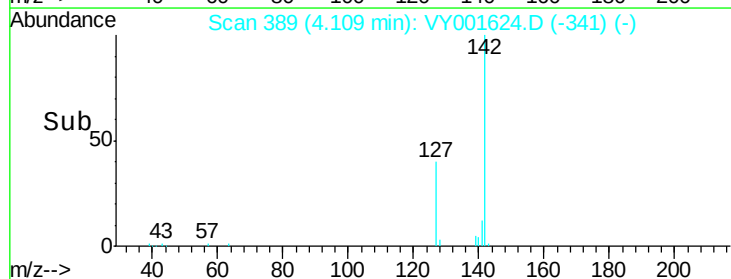
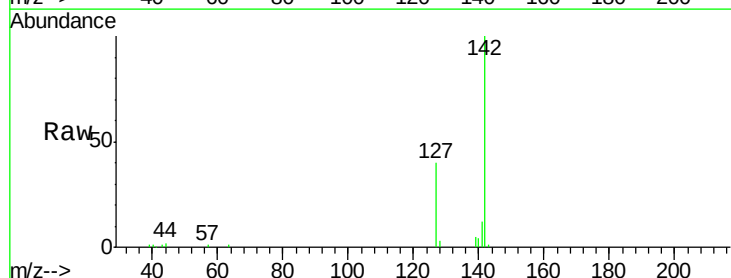
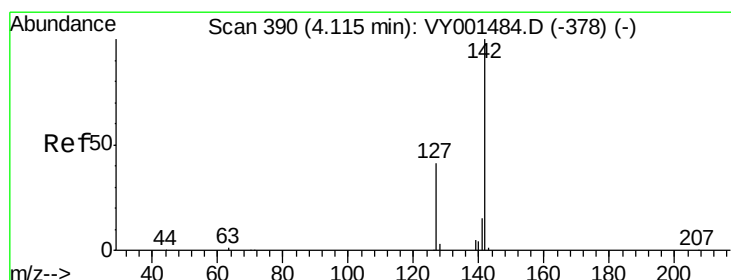
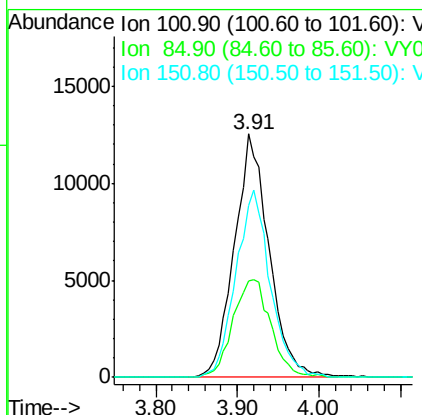
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.244 ug/l
RT: 3.91 min Scan# 357
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tot Ion	Ratio	Resp	Lower	Upper
101	100	36953		
85	44.0		34.6	51.8
151	76.6		60.3	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

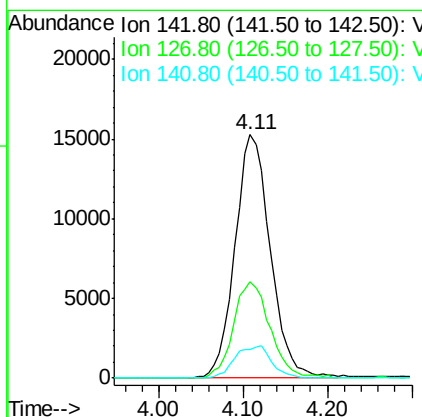
Manual Integrations
APPROVED

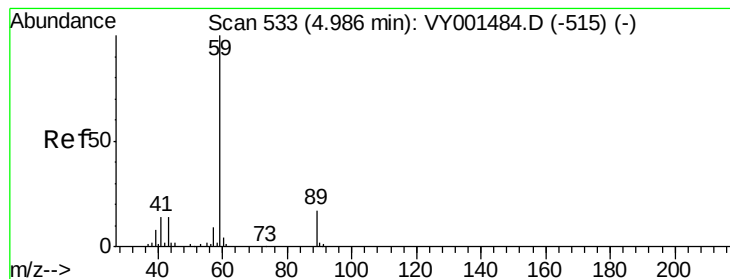
MMDadoda
2/14/2020 5:06:07 PM



#10
Methyl Iodide
Concen: 17.724 ug/l
RT: 4.11 min Scan# 389
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	43366		
127	41.1		33.3	49.9
141	13.6		11.5	17.3





#11

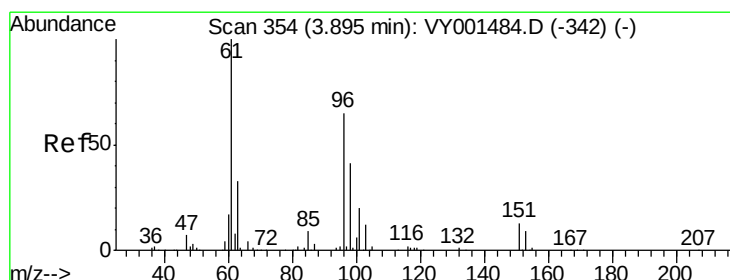
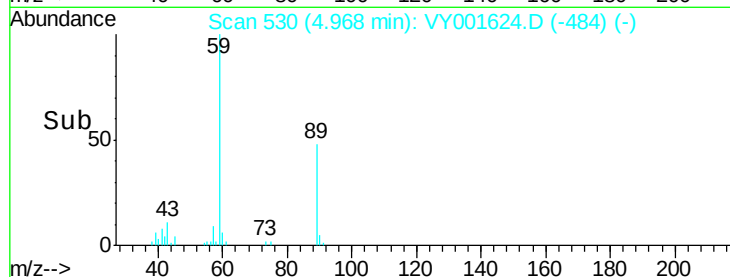
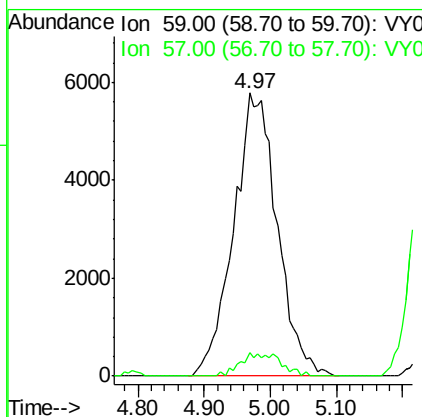
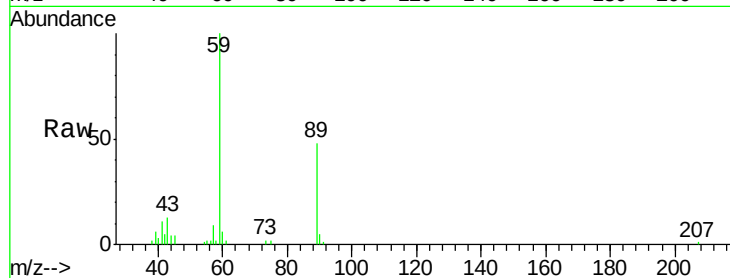
Tert butyl alcohol
Concen: 109.786 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 59 Resp: 26457
Ion Ratio Lower Upper
59 100
57 7.4 7.0 10.6

Manual Integrations
APPROVED

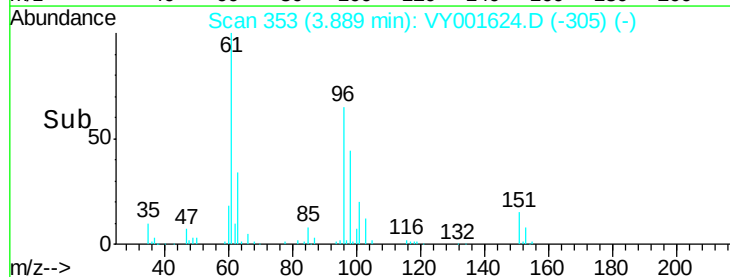
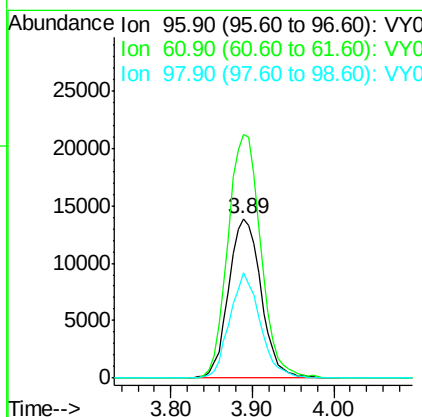
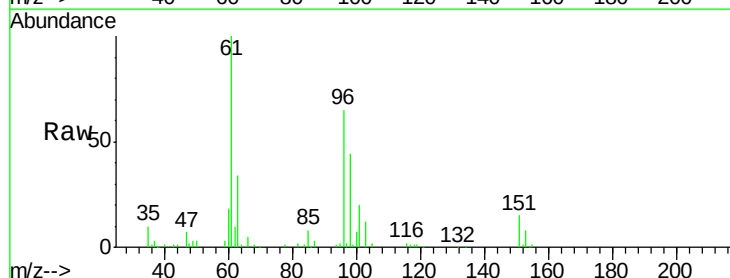
MMDadoda
2/14/2020 5:06:07 PM

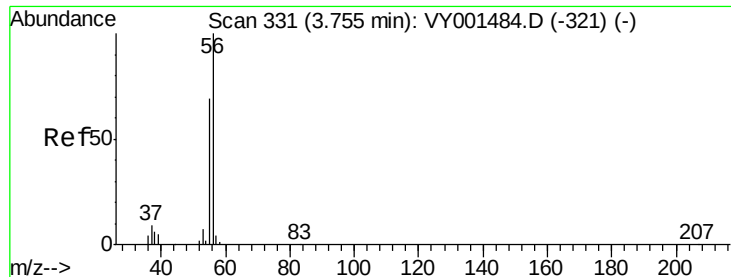


#12

1,1-Dichloroethene
Concen: 19.955 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 96 Resp: 38076
Ion Ratio Lower Upper
96 100
61 152.9 122.3 183.5
98 66.5 49.7 74.5





#13

Acrolein

Concen: 89.887 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 56 Resp: 15553

Ion Ratio Lower Upper

56 100

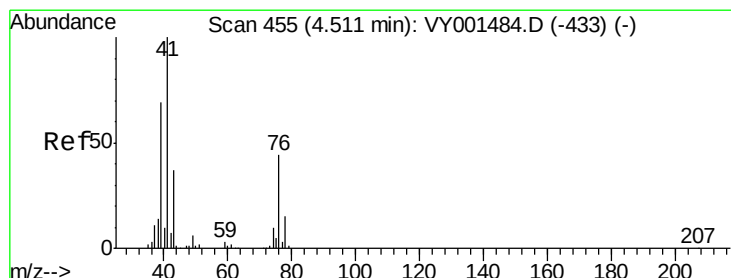
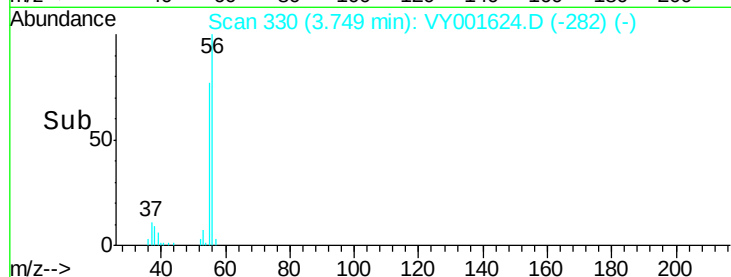
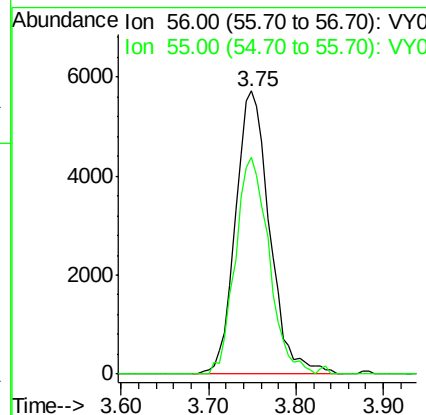
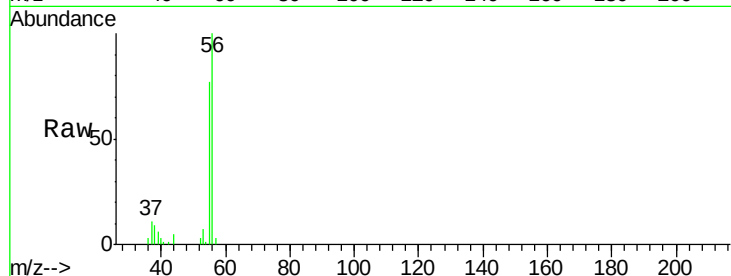
55 75.0 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:07 PM



#14

Allyl chloride

Concen: 23.336 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

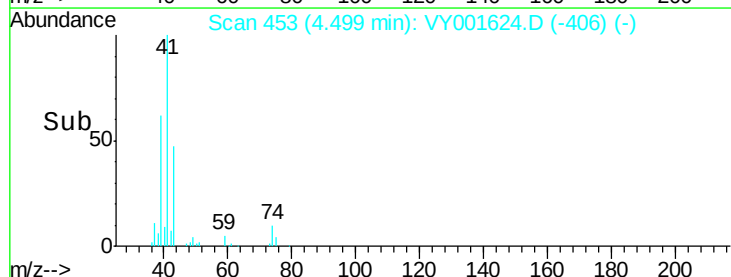
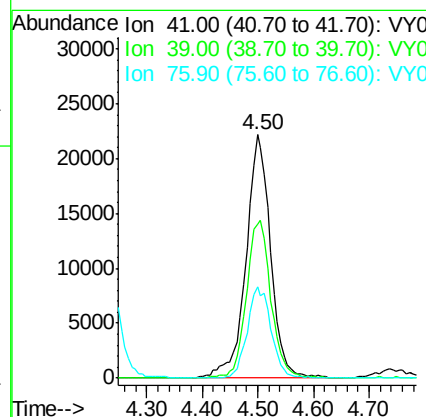
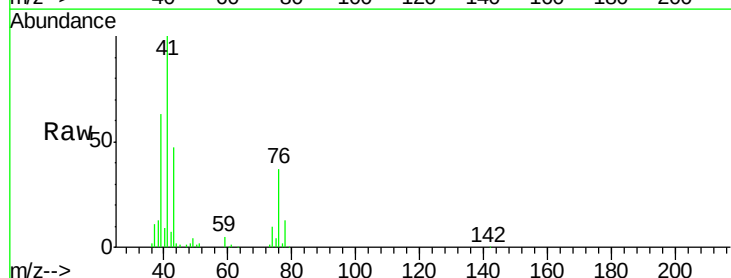
Tgt Ion: 41 Resp: 68119

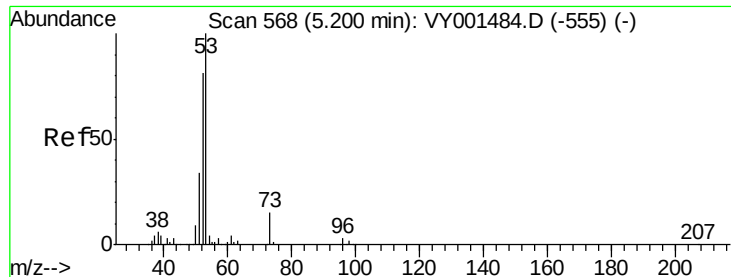
Ion Ratio Lower Upper

41 100

39 64.8 53.0 79.6

76 36.2 32.6 48.8





#15

Acrylonitrile

Concen: 122.837 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

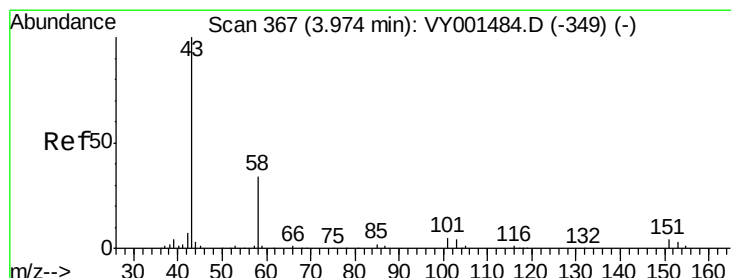
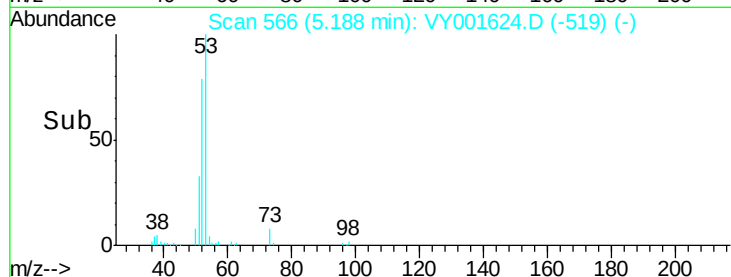
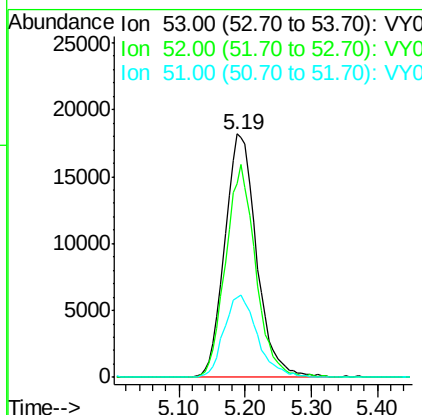
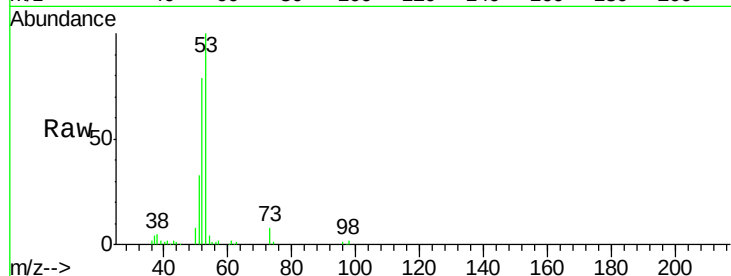
ClientSampleId :

VY0213SBS01

Tot Ion:	53	Resp:	60645
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.4	98.2
51	35.5	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#16

Acetone

Concen: 109.664 ug/l

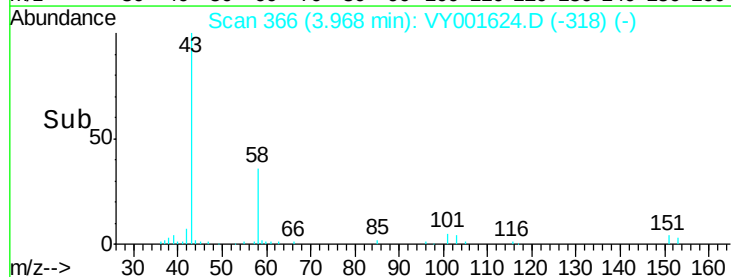
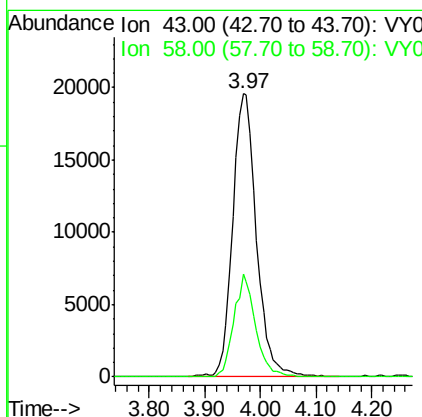
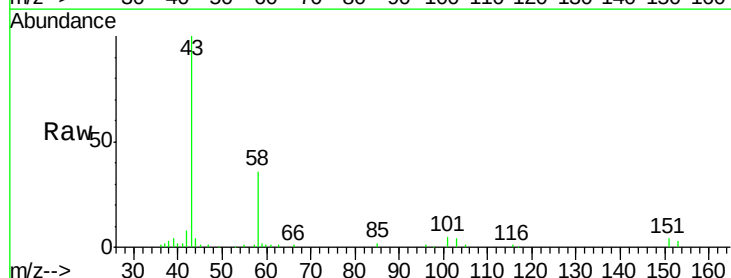
RT: 3.97 min Scan# 366

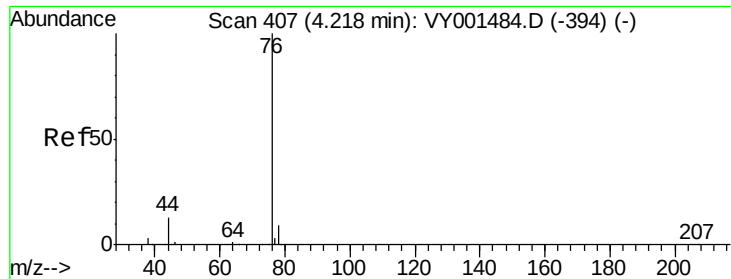
Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	43	Resp:	57966
Ion Ratio		Lower	Upper
43	100		
58	36.2	27.5	41.3





#17

Carbon Disulfide

Concen: 19.435 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 76 Resp: 118056

Ion Ratio Lower Upper

76 100

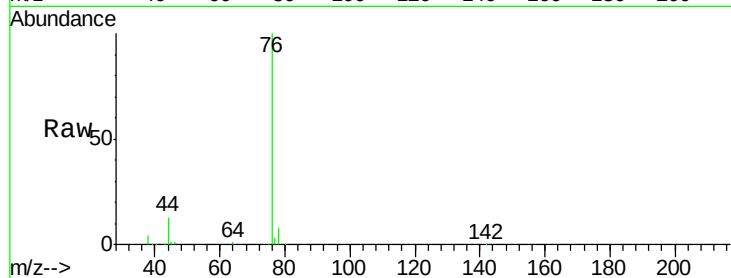
78 8.4 7.0 10.6

Manual Integrations

APPROVED

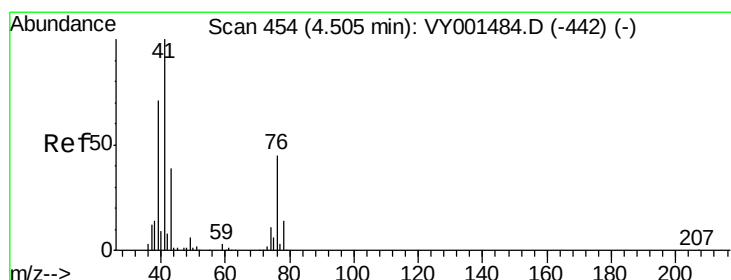
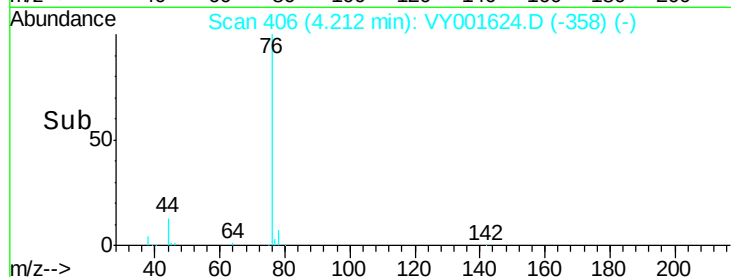
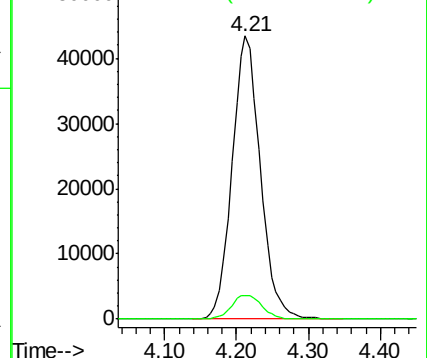
MMDadoda

2/14/2020 5:06:07 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 27.367 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001624.D

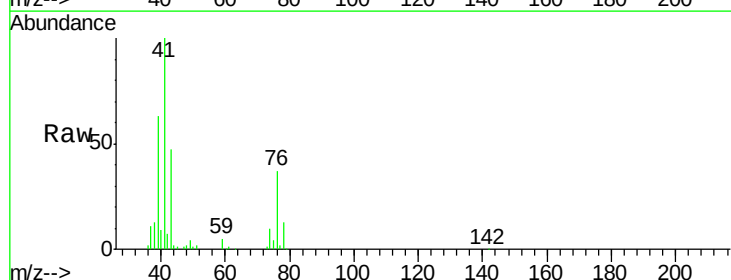
Acq: 13 Feb 2020 12:27

Tgt Ion: 43 Resp: 30869

Ion Ratio Lower Upper

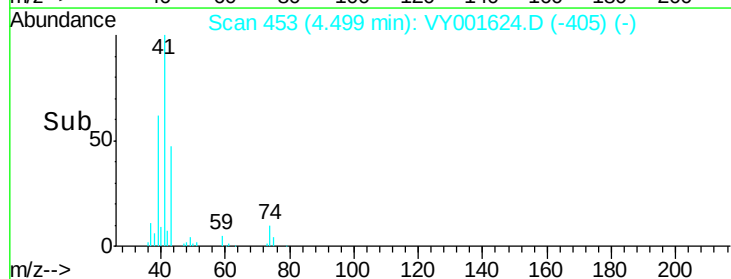
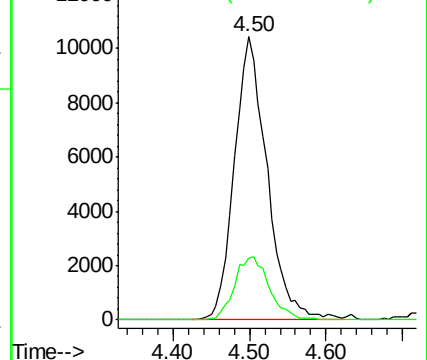
43 100

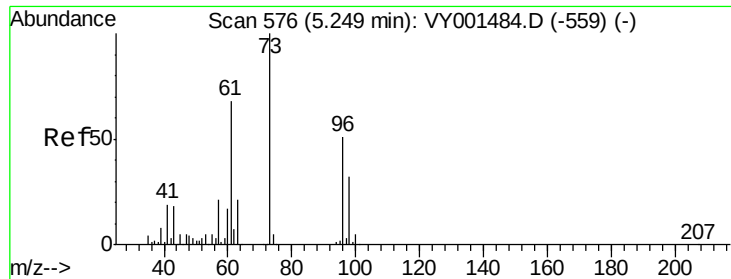
74 23.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





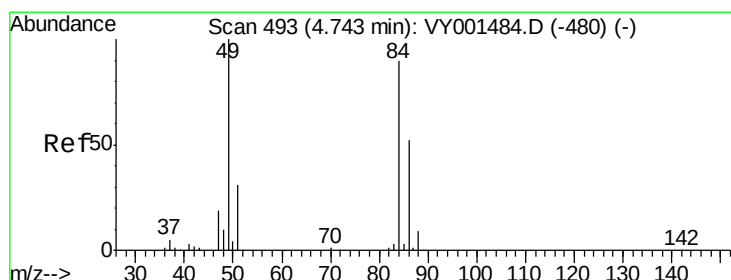
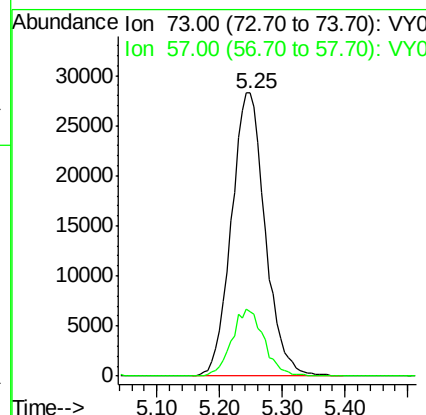
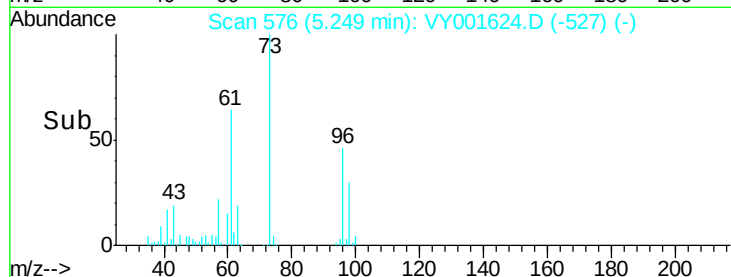
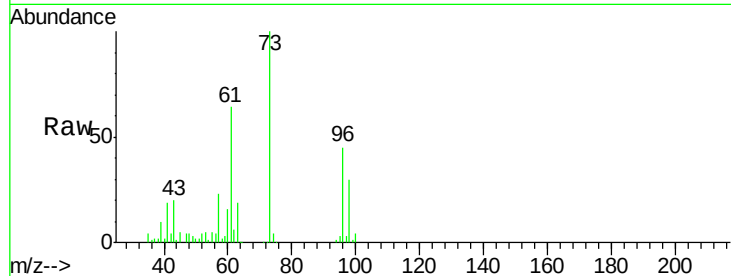
#19
Methyl tert-butyl Ether
Concen: 20.692 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 73 Resp: 105000
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6

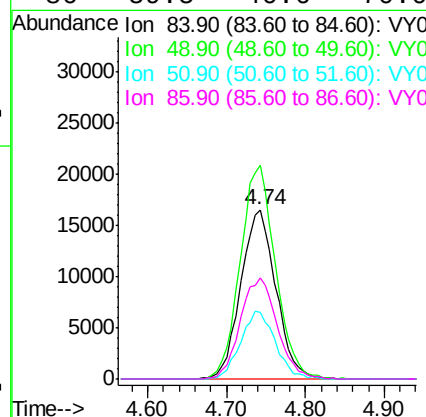
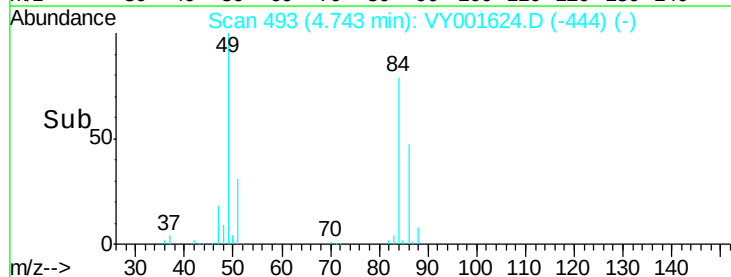
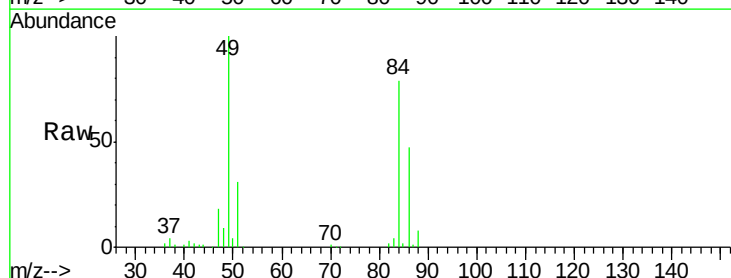
Manual Integrations
APPROVED

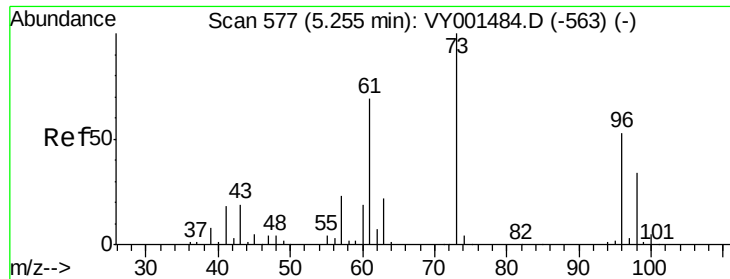
MMDadoda
2/14/2020 5:06:07 PM



#20
Methylene Chloride
Concen: 21.976 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 84 Resp: 50966
Ion Ratio Lower Upper
84 100
49 126.2 89.0 133.6
51 39.6 27.4 41.2
86 59.5 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 20.126 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

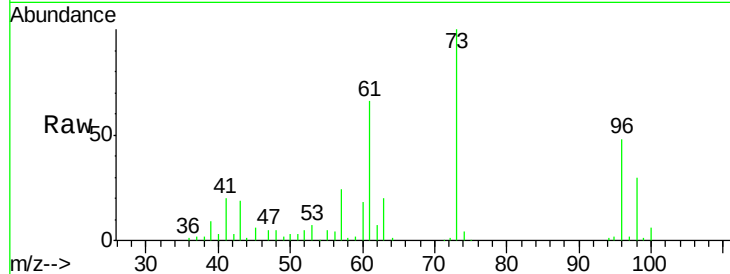
ClientSampleId :

VY0213SBS01

Tot Ion:	96	Resp:	42693
Ion	Ratio	Lower	Upper
96	100		
61	138.3	104.2	156.4
98	63.4	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM

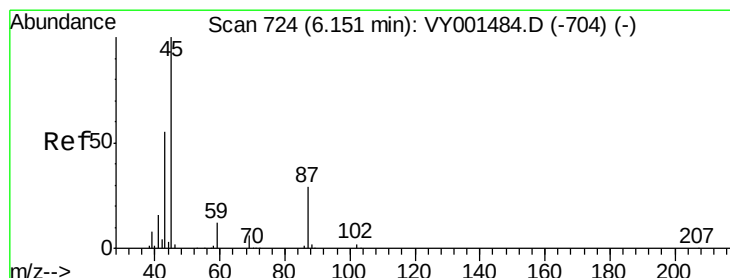
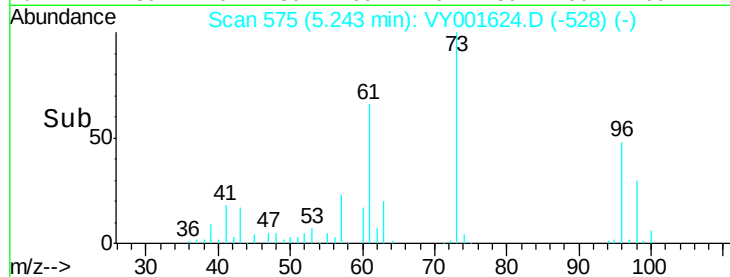
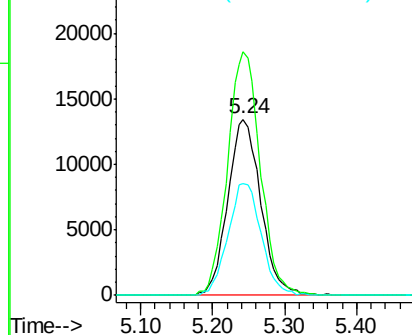


Abundance

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: 23.624 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	45	Resp:	136623
Ion	Ratio	Lower	Upper
45	100		
43	62.4	44.2	66.4
87	24.9	23.9	35.9
59	11.9	10.2	15.2

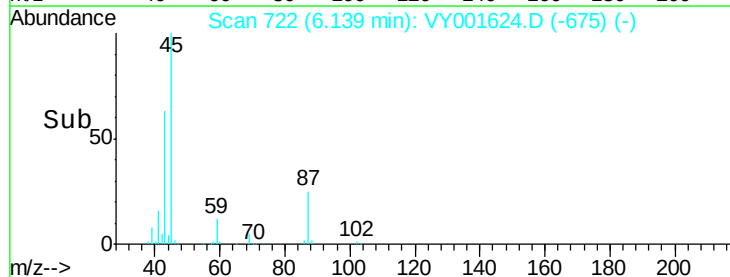
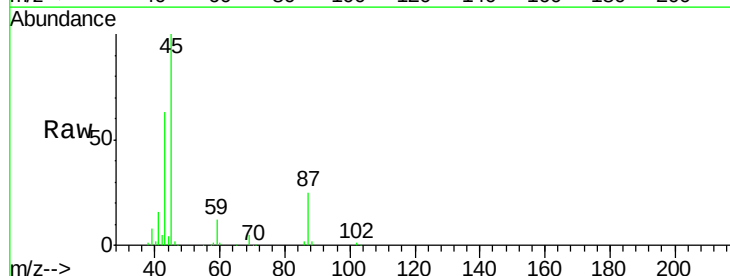
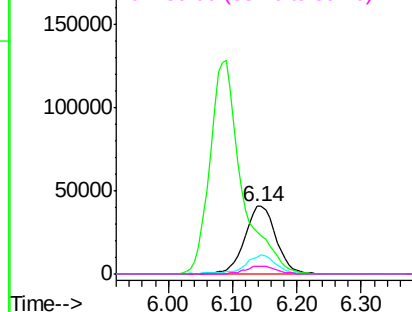
Abundance

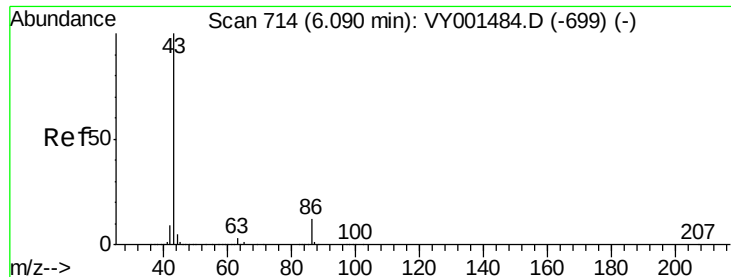
Ion 45.00 (44.70 to 45.70): VY0

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: 120.286 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 43 Resp: 442834

Ion Ratio Lower Upper

43 100

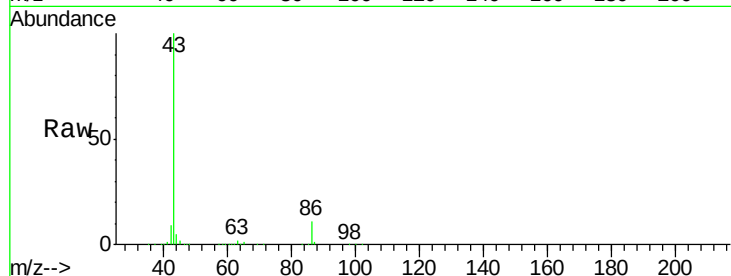
86 10.6 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

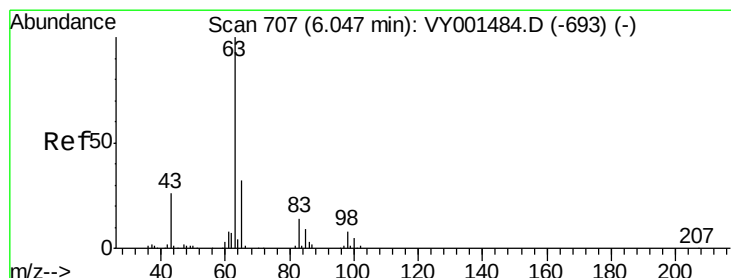
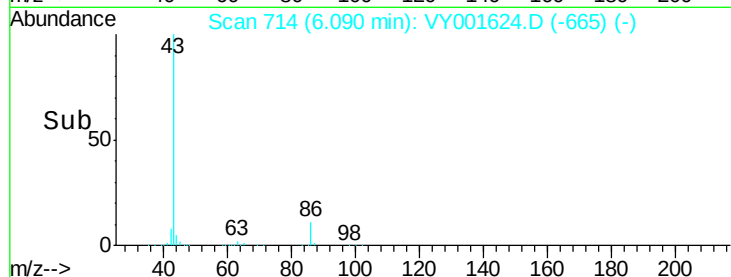
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.042 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

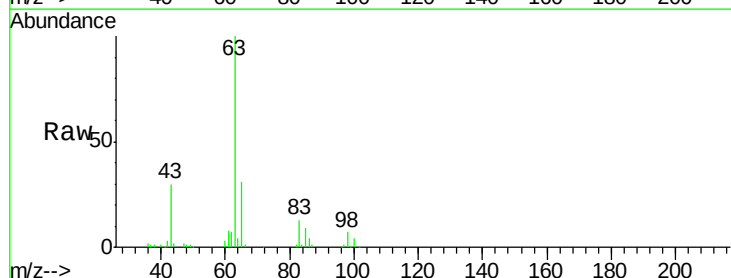
Tgt Ion: 63 Resp: 73197

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

100 4.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

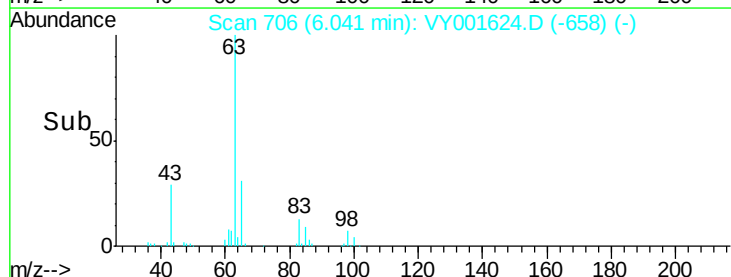
15000

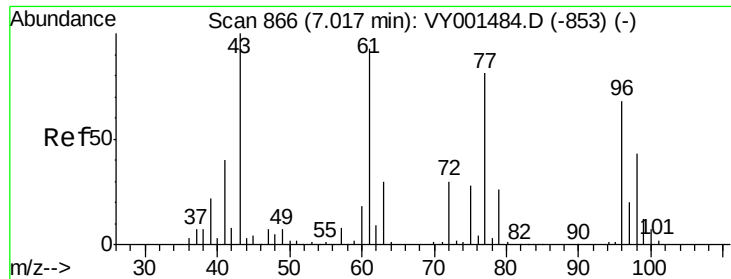
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 124.880 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 43 Resp: 85636

Ion Ratio Lower Upper

43 100

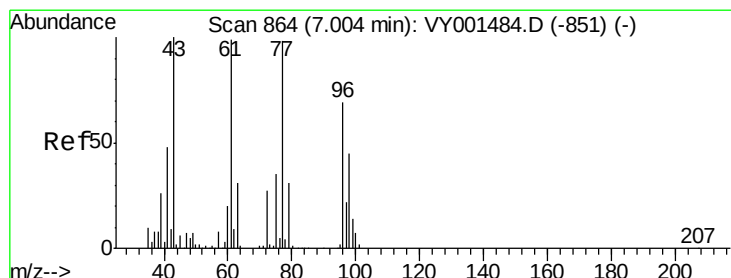
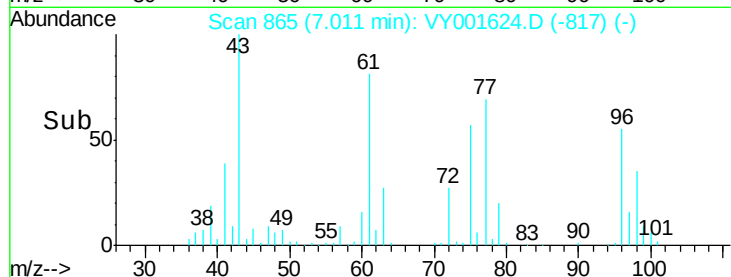
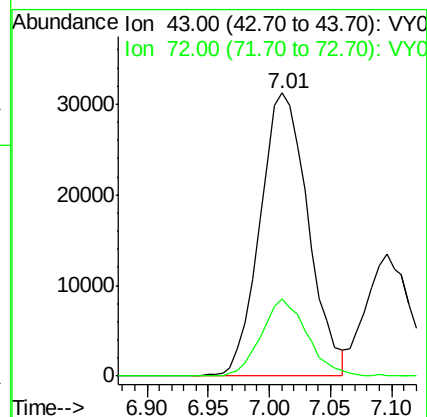
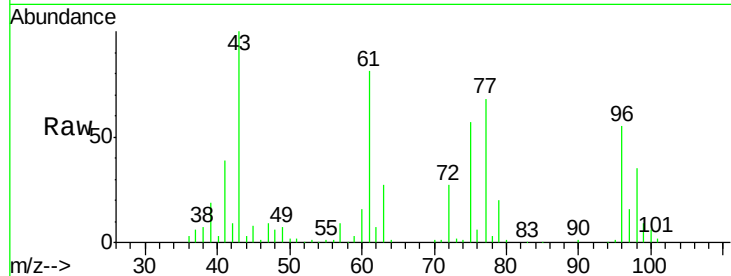
72 27.4 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:07 PM



#26

2,2-Dichloropropane

Concen: 19.911 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001624.D

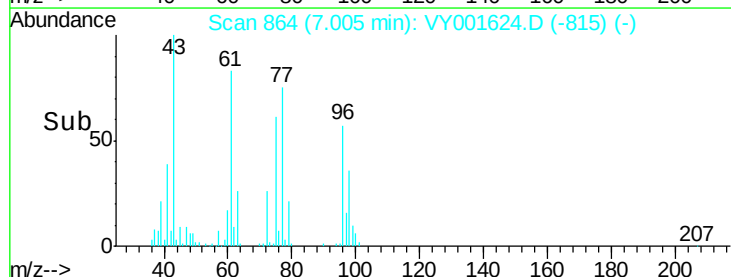
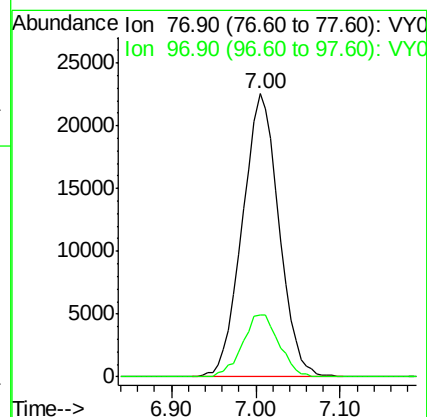
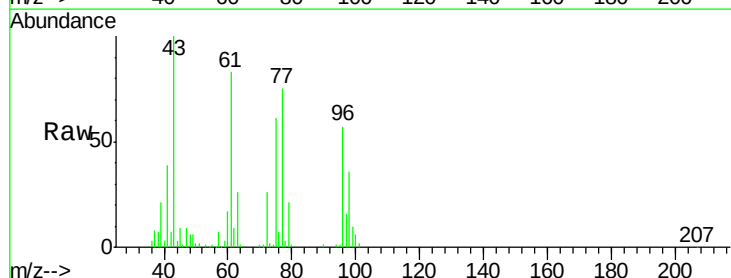
Acq: 13 Feb 2020 12:27

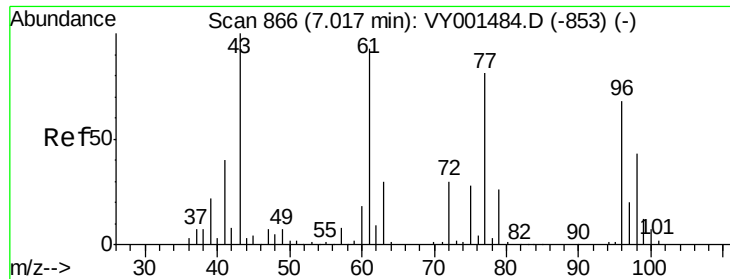
Tgt Ion: 77 Resp: 66288

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0





#27

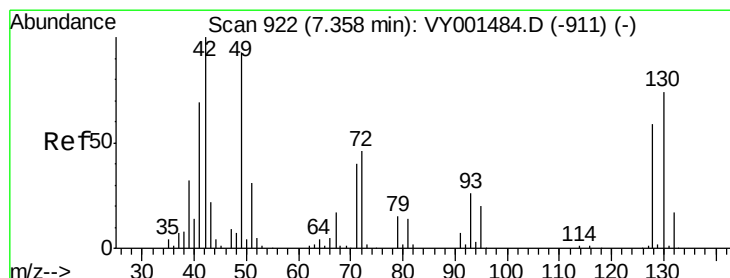
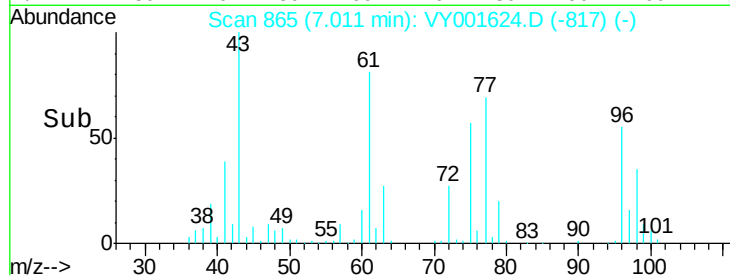
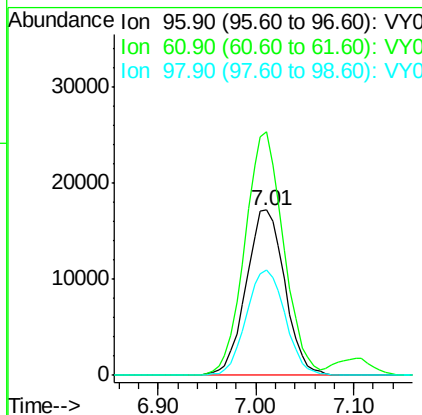
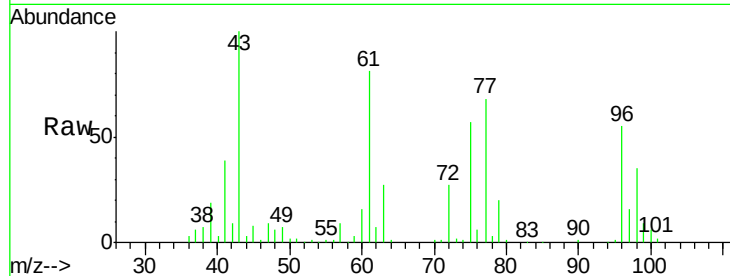
cis-1,2-Dichloroethene
Concen: 20.567 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	278.8
98	63.8	0.0	128.8

Manual Integrations
APPROVED

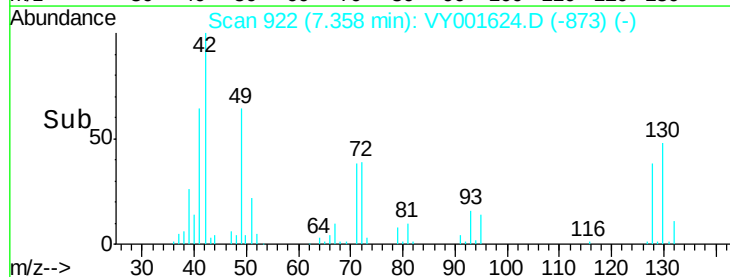
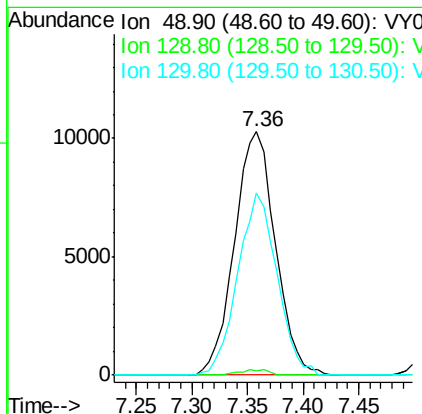
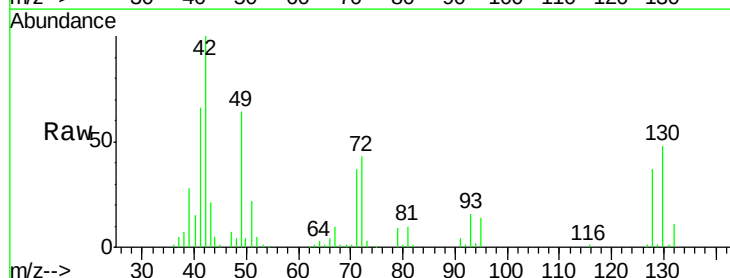
MMDadoda
2/14/2020 5:06:07 PM

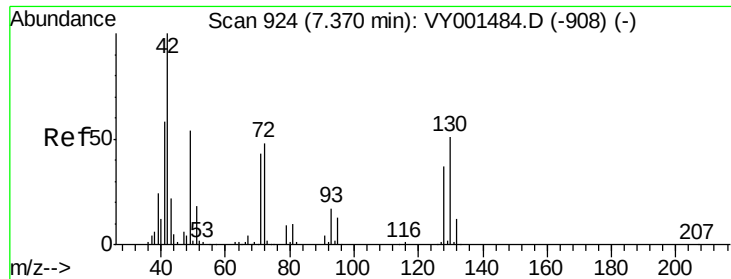


#28

Bromochloromethane
Concen: 22.172 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	71.5	65.4	98.2





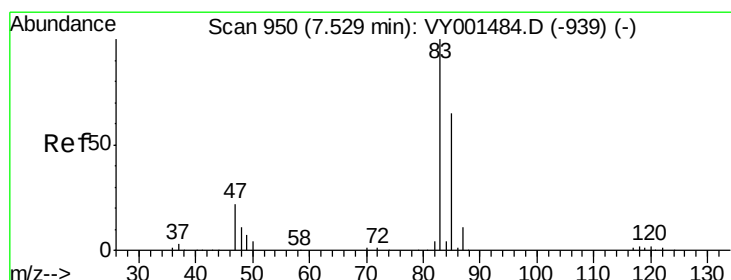
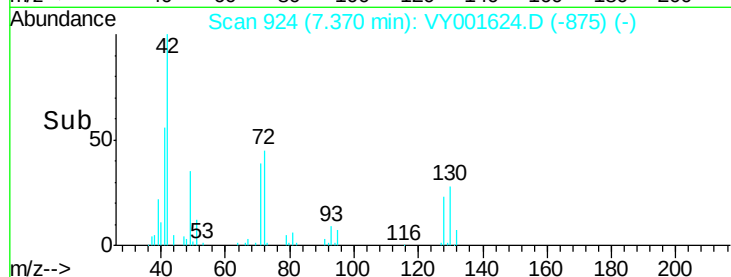
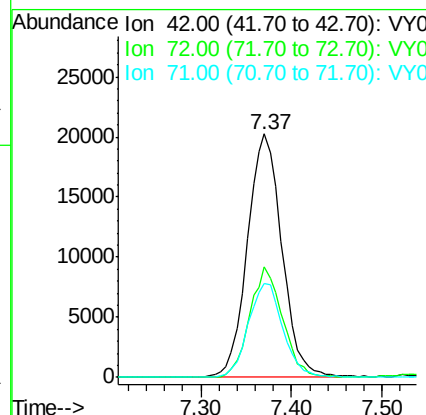
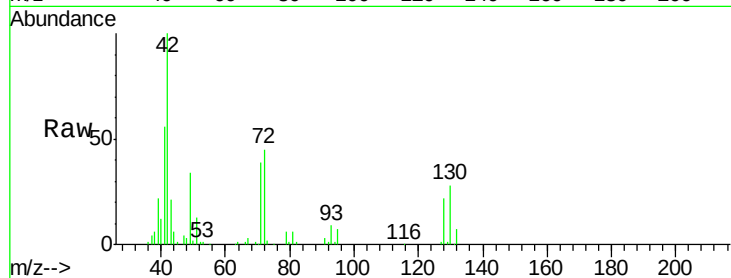
#29
Tetrahydrofuran
Concen: 129.605 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	37.8	56.6
71	38.8	34.8	52.2

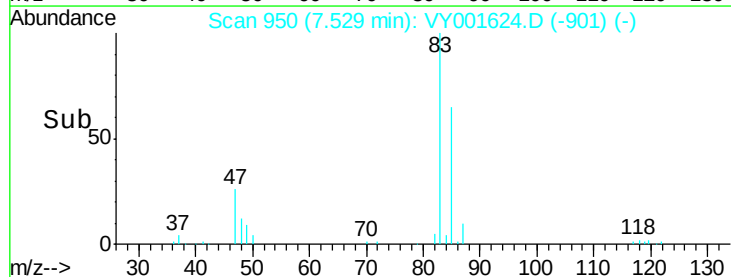
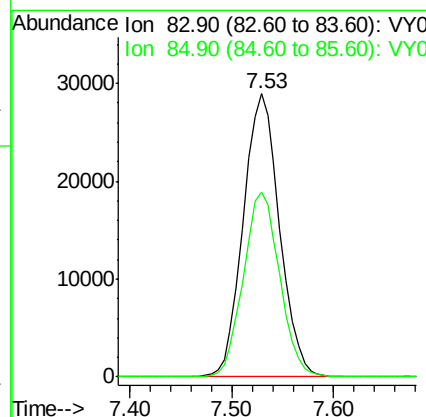
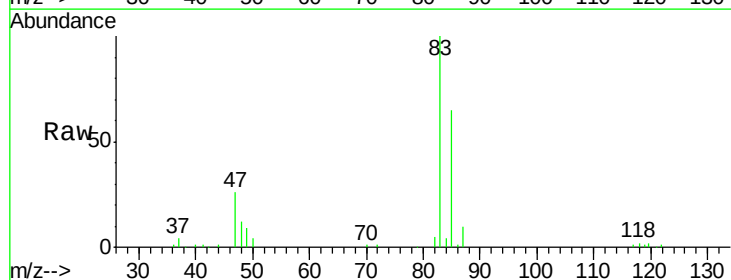
Manual Integrations
APPROVED

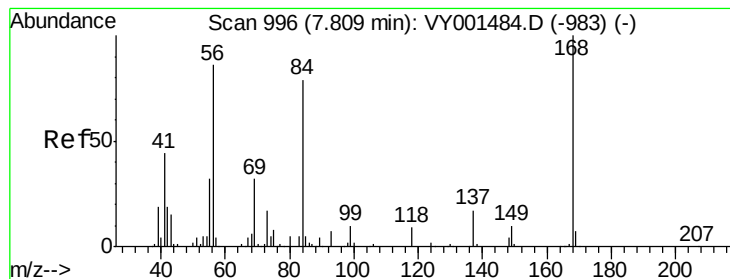
MMDadoda
2/14/2020 5:06:07 PM



#30
Chloroform
Concen: 20.189 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 20.928 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

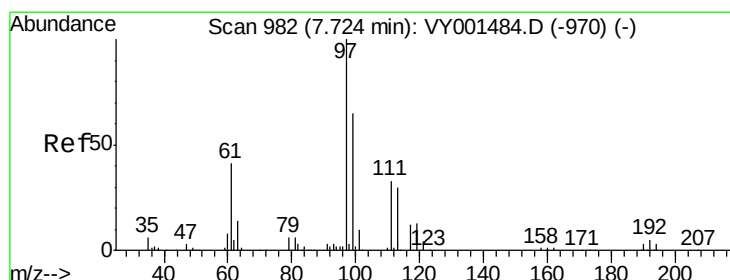
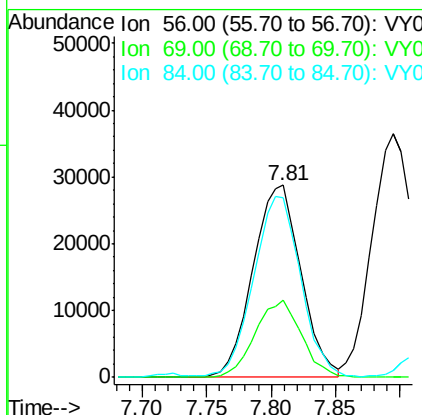
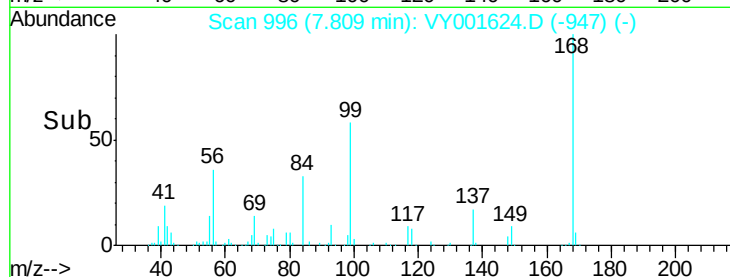
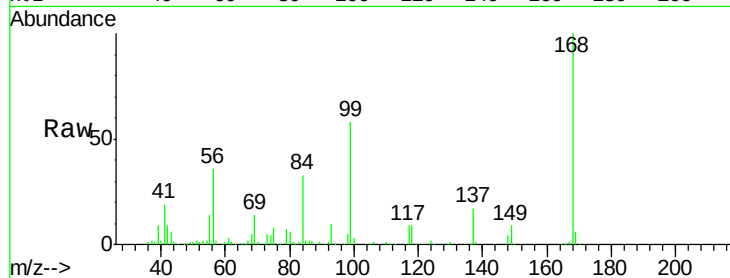
ClientSampleId :

VY0213SBS01

Tot Ion:	56	Resp:	74466
Ion Ratio	Lower	Upper	
56	100		
69	40.2	29.6	44.4
84	92.5	73.6	110.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#32

1,1,1-Trichloroethane

Concen: 19.373 ug/l

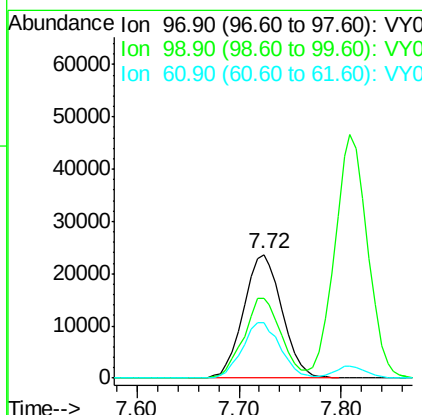
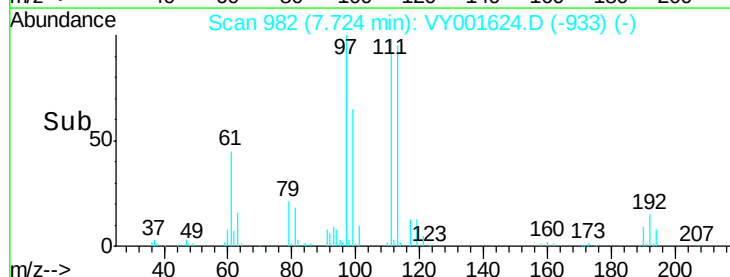
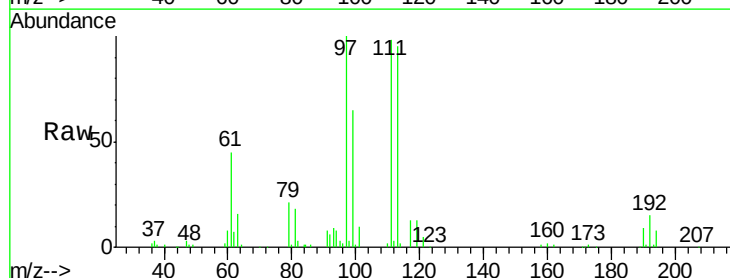
RT: 7.72 min Scan# 982

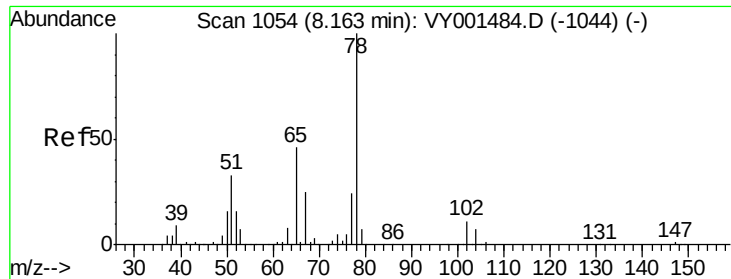
Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	97	Resp:	61889
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.8	77.8
61	44.6	32.5	48.7





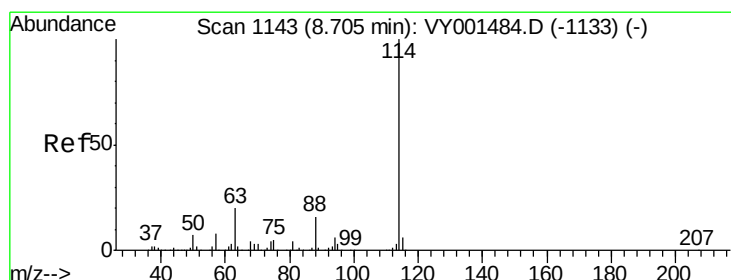
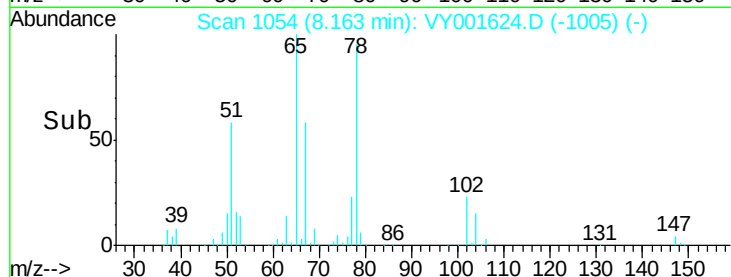
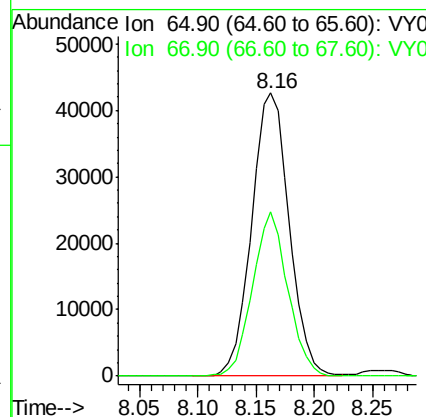
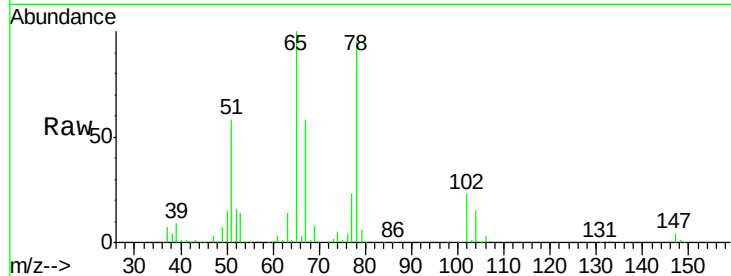
#33
 1,2-Dichloroethane-d4
 Concen: 52.394 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95742		
67	54.4	0.0	108.6	

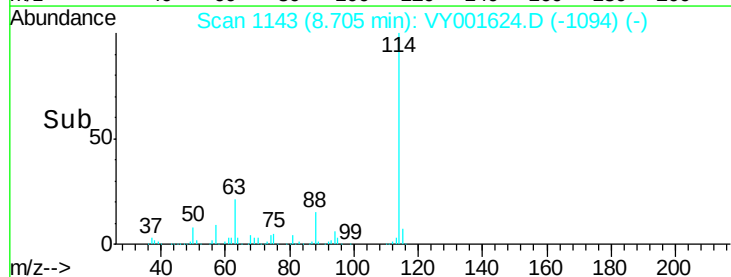
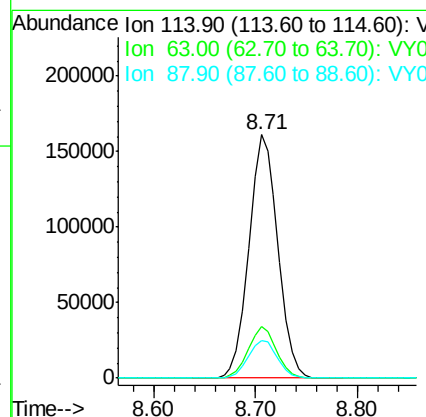
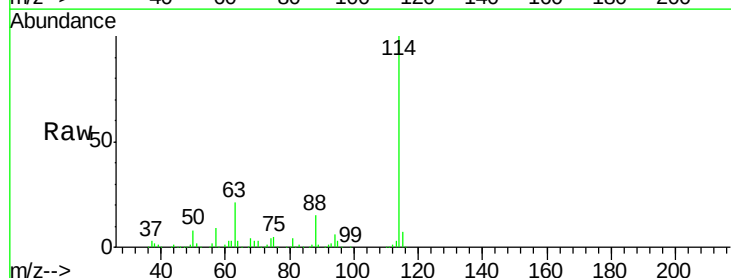
Manual Integrations
 APPROVED

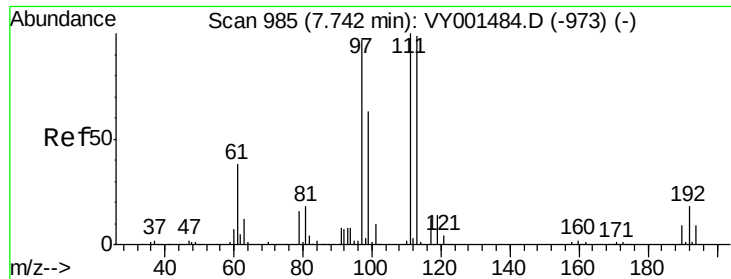
MMDadoda
 2/14/2020 5:06:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316837		
63	21.0	0.0	39.8	
88	15.4	0.0	32.6	





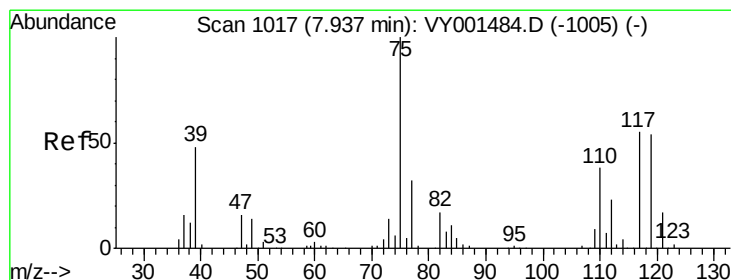
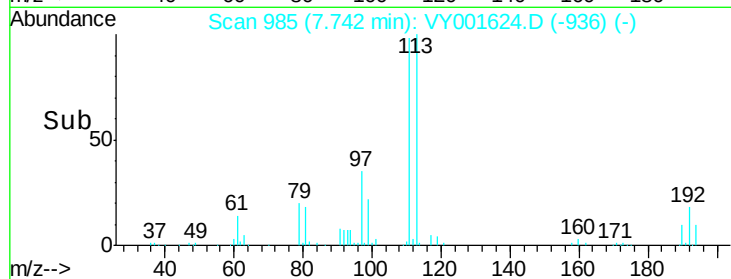
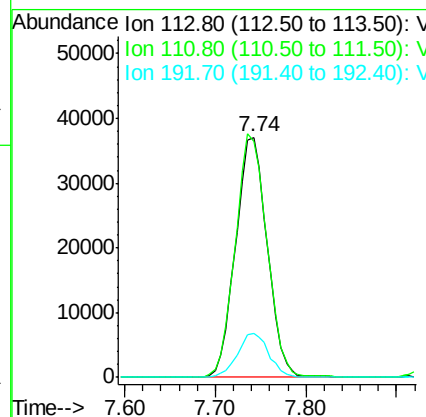
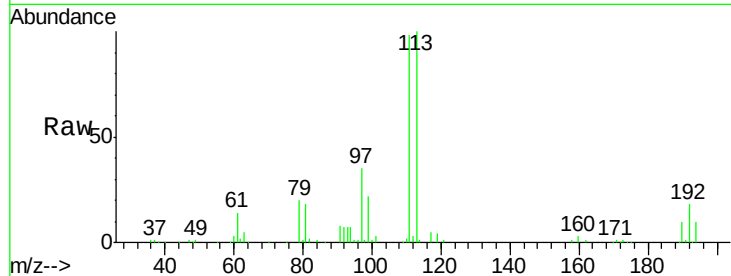
#35
 Dibromofluoromethane
 Concen: 49.086 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89681		
111	101.7	82.9	124.3	
192	18.2	14.6	22.0	

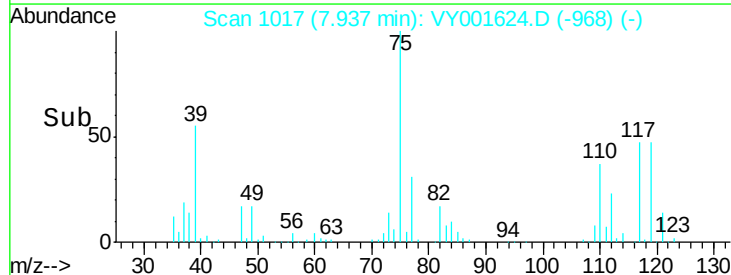
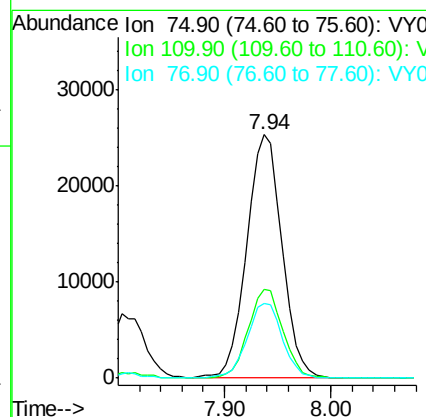
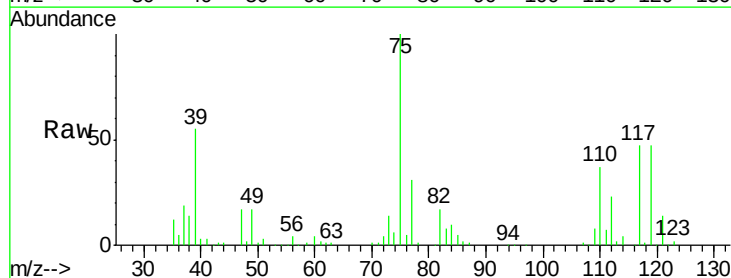
Manual Integrations
 APPROVED

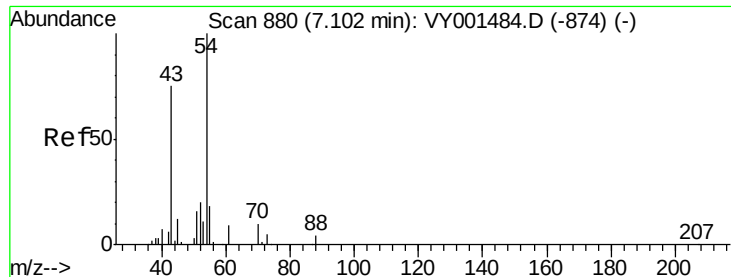
MMDadoda
 2/14/2020 5:06:07 PM



#36
 1,1-Dichloropropene
 Concen: 20.352 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58990		
110	35.9	18.2	54.6	
77	30.8	25.0	37.4	





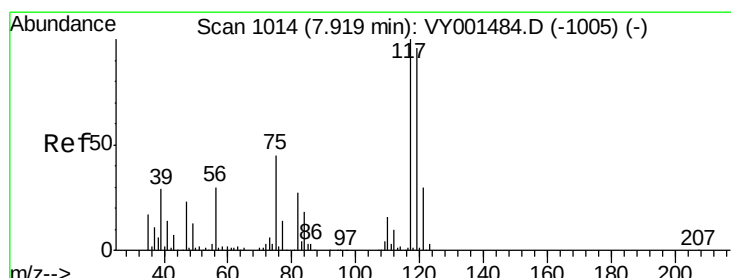
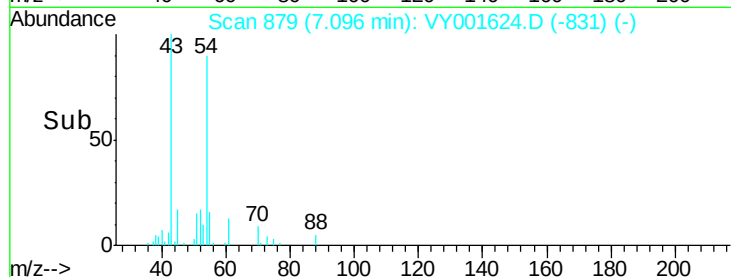
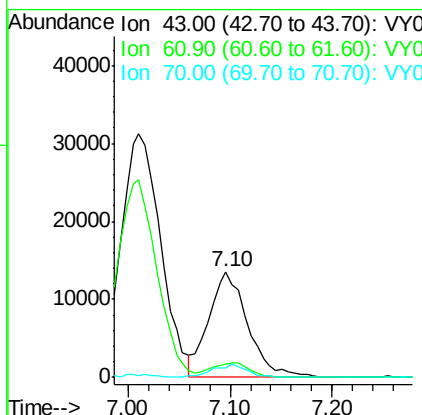
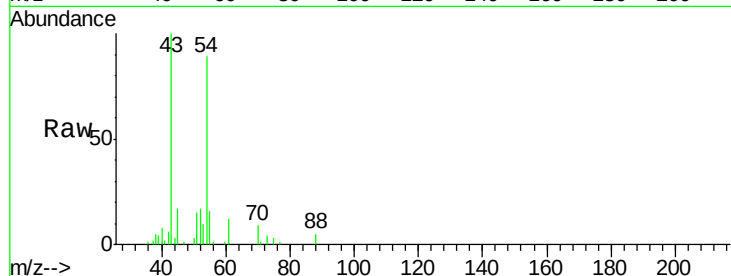
#37
Ethyl Acetate
Concen: 25.398 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.0	18.0
70	11.0	10.2	15.4

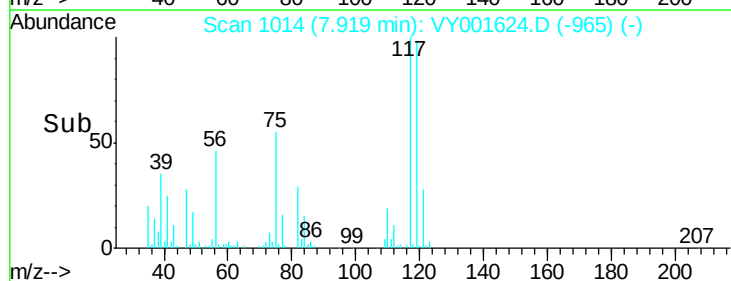
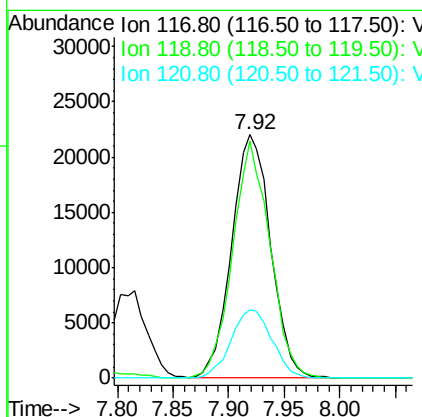
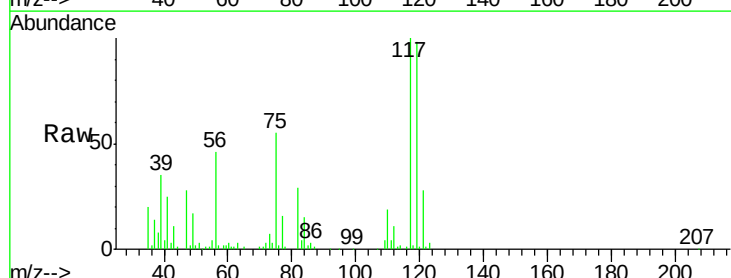
Manual Integrations
APPROVED

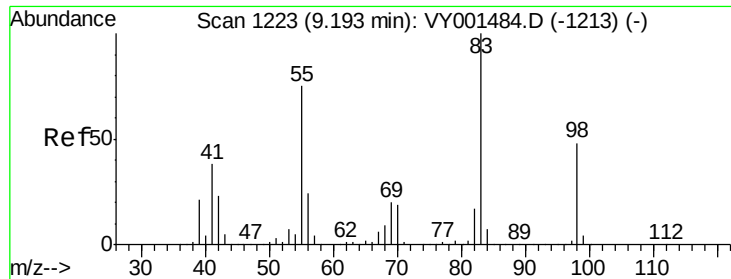
MMDadoda
2/14/2020 5:06:07 PM



#38
Carbon Tetrachloride
Concen: 19.105 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.4	114.6
121	28.2	24.2	36.4





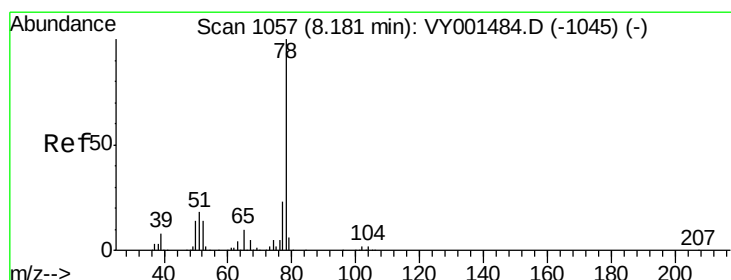
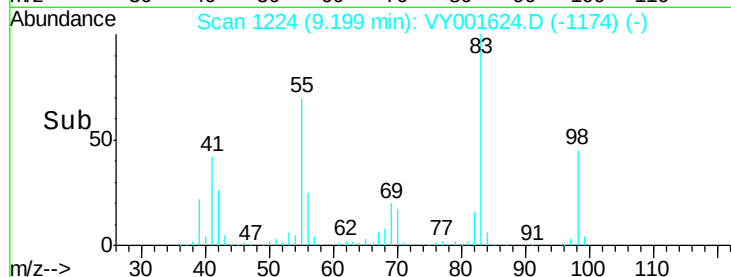
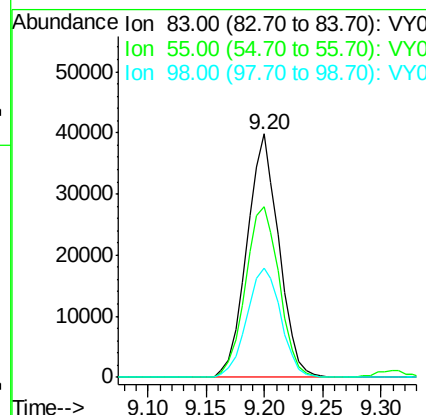
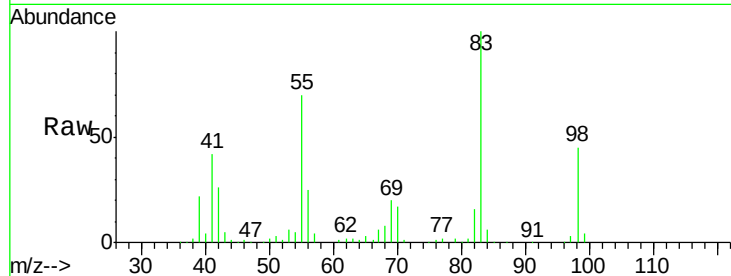
#39
Methylvlcyclohexane
Concen: 19.974 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	83	Resp	76230
Ion Ratio	100	Lower	Upper
83	100		
55	70.2	59.8	89.6
98	44.7	38.6	57.8

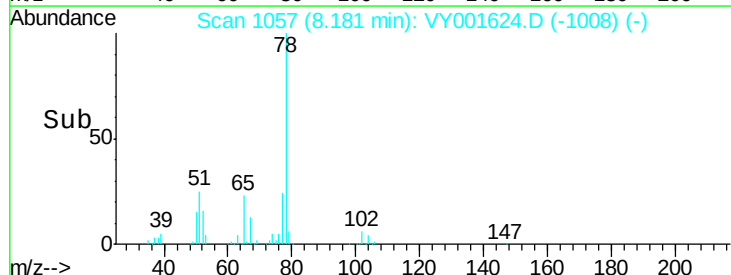
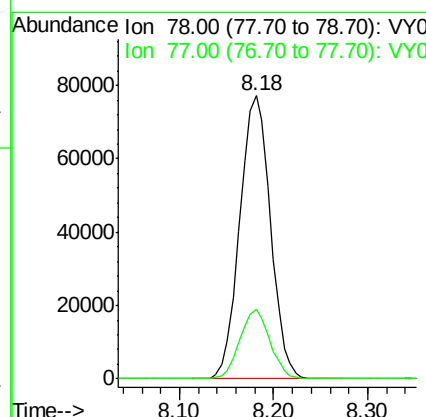
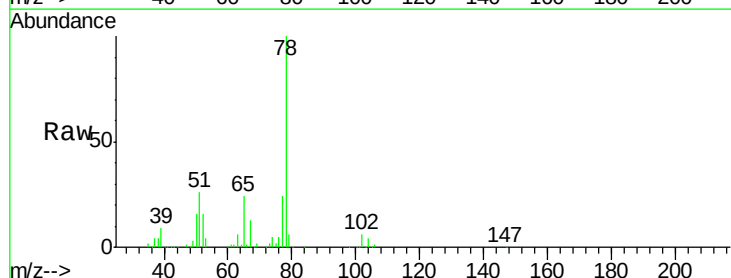
Manual Integrations
APPROVED

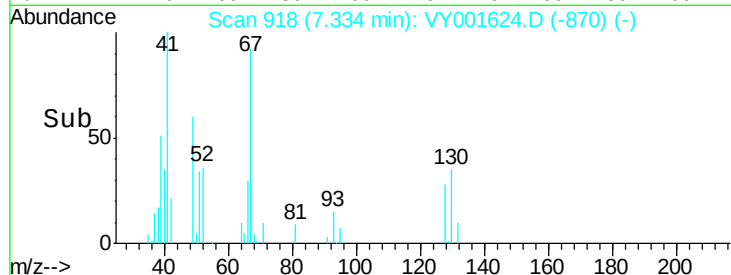
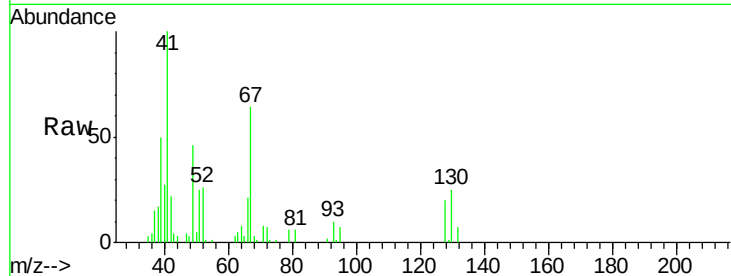
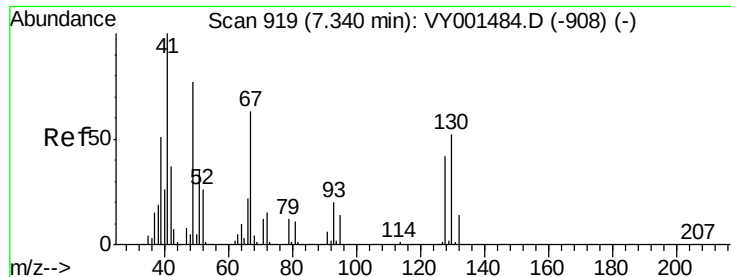
MMDadoda
2/14/2020 5:06:07 PM



#40
Benzene
Concen: 21.104 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	78	Resp	174474
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	18.5	27.7





#41

Methacrylonitrile

Concen: 25.594 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tot Ion:	41	Resp:	16644
Ion	Ratio	Lower	Upper
41	100		
39	133.0	116.8	175.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

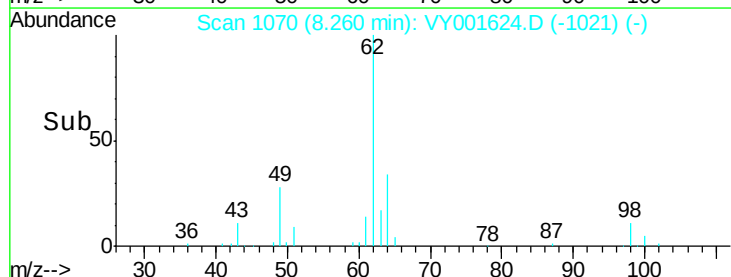
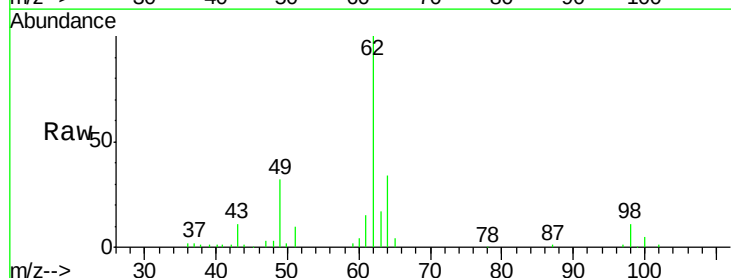
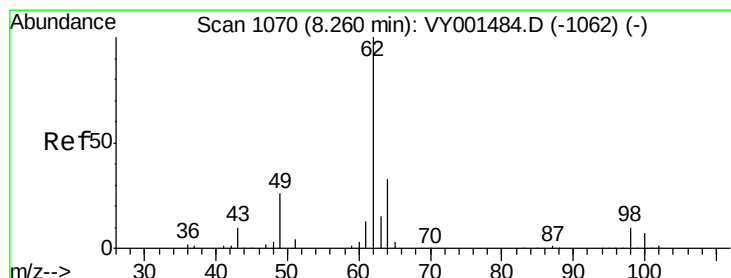
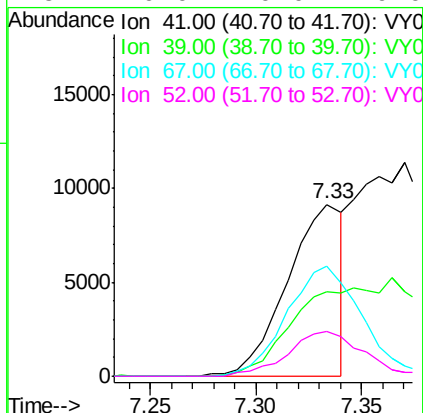
MSVOA_Y

ClientSampleId :

VY0213SBS01

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#42

1,2-Dichloroethane

Concen: 21.066 ug/l

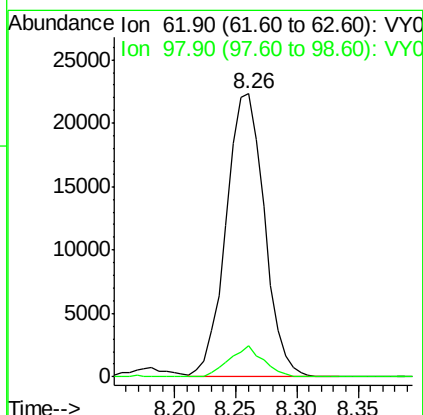
RT: 8.26 min Scan# 1070

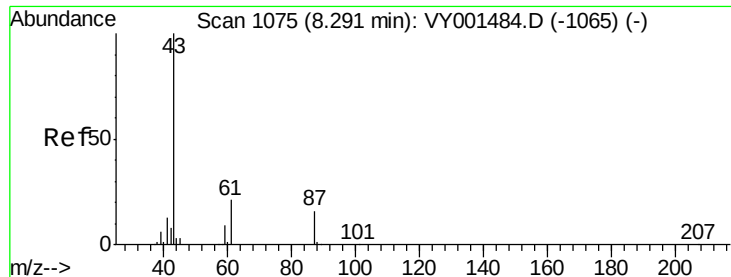
Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	62	Resp:	48520
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	21.0





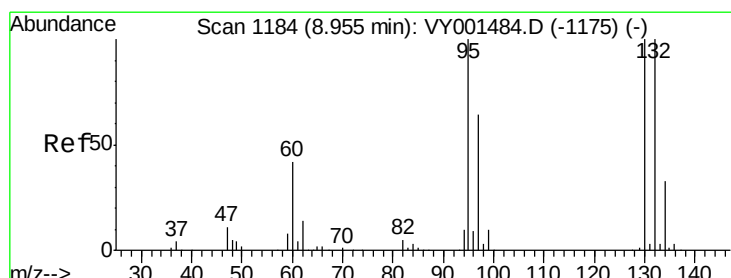
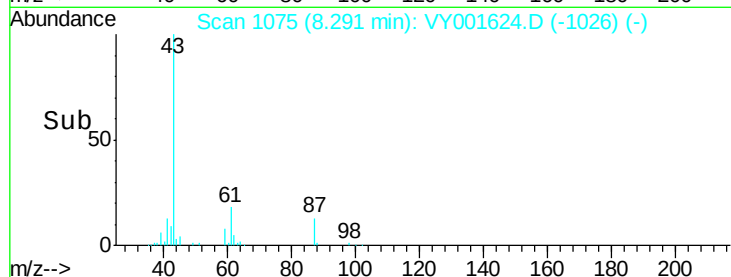
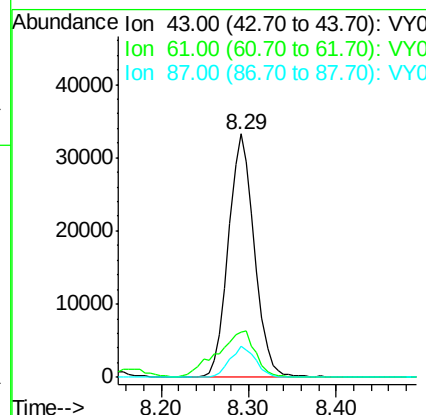
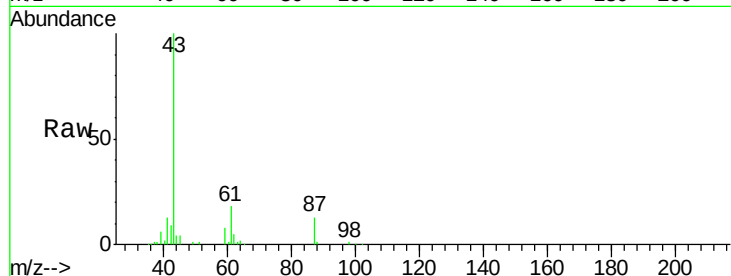
#43
Isopropyl Acetate
Concen: 24.677 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	25.1	37.7
87	12.7	12.6	19.0

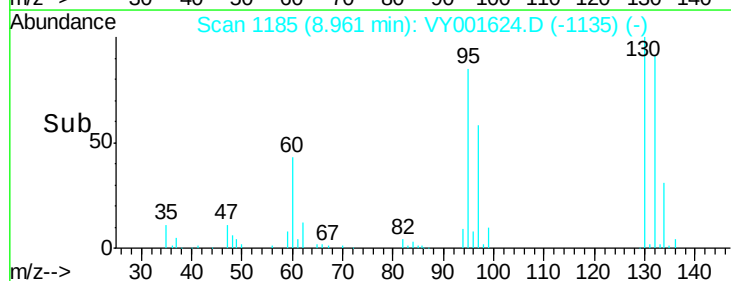
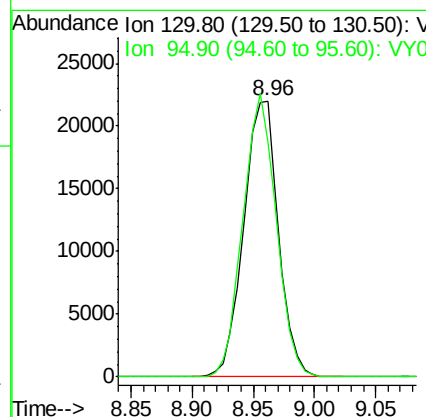
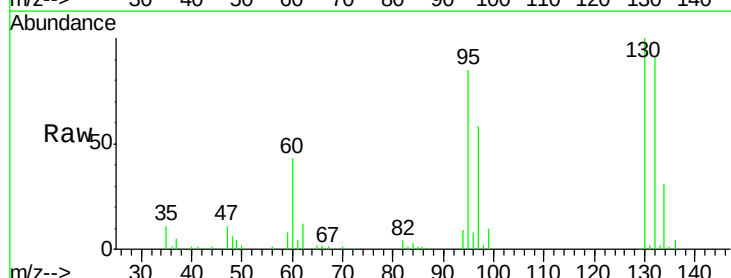
Manual Integrations
APPROVED

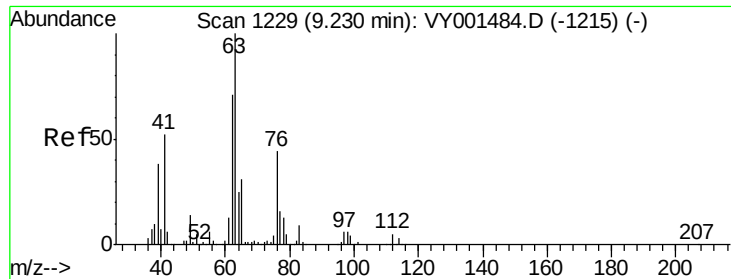
MMDadoda
2/14/2020 5:06:07 PM



#44
Trichloroethene
Concen: 19.513 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.8	0.0	199.2





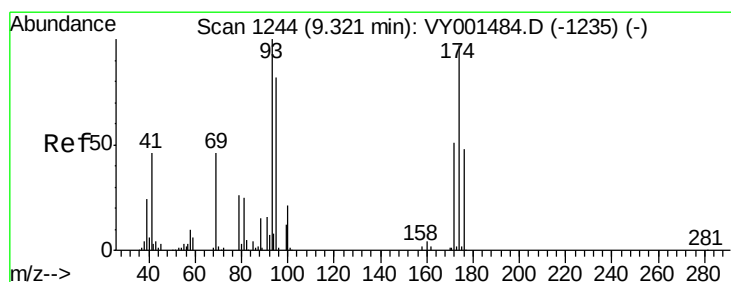
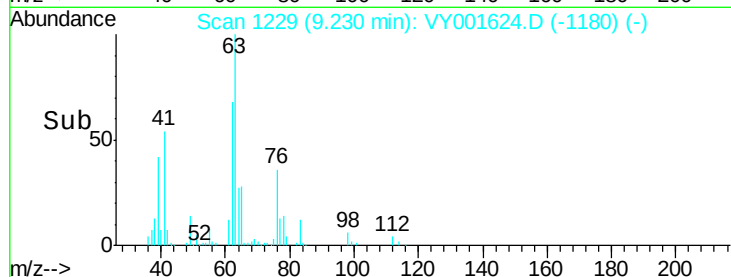
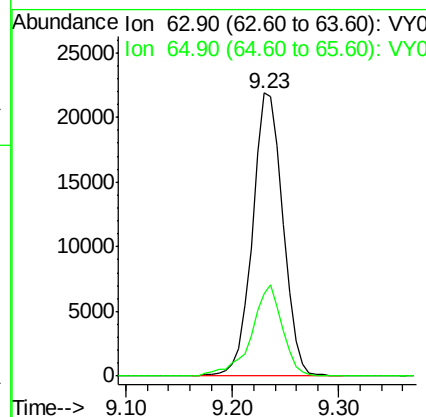
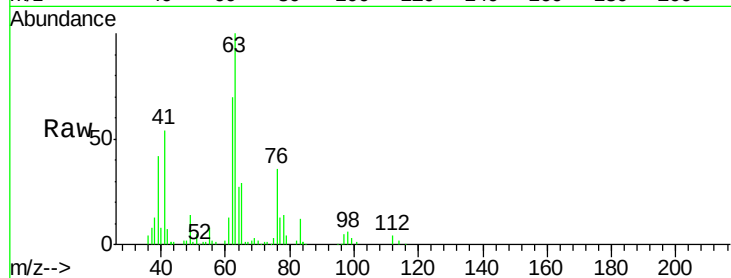
#45
 1,2-Dichloropropane
 Concen: 22.039 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.0	37.4

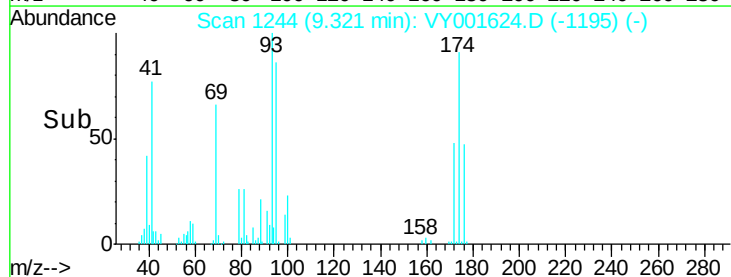
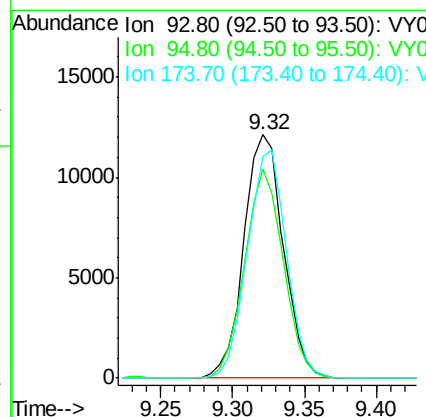
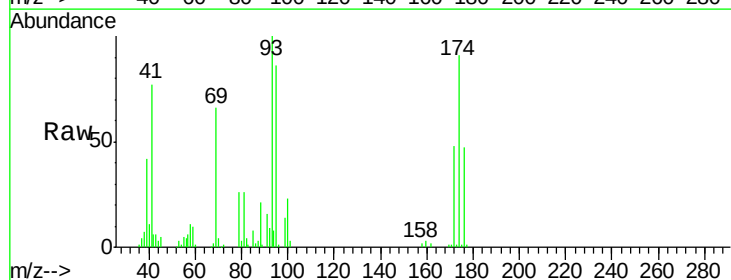
Manual Integrations
 APPROVED

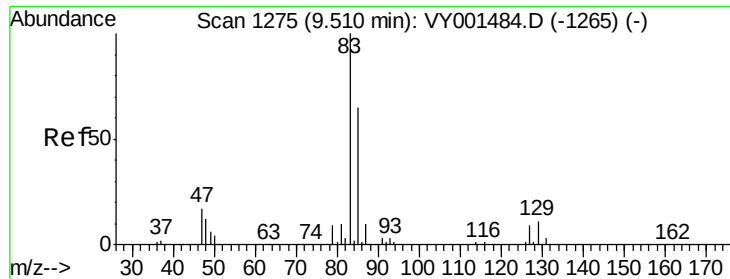
MMDadoda
 2/14/2020 5:06:07 PM



#46
 Dibromomethane
 Concen: 20.549 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.6	99.8
174	92.5	75.4	113.2





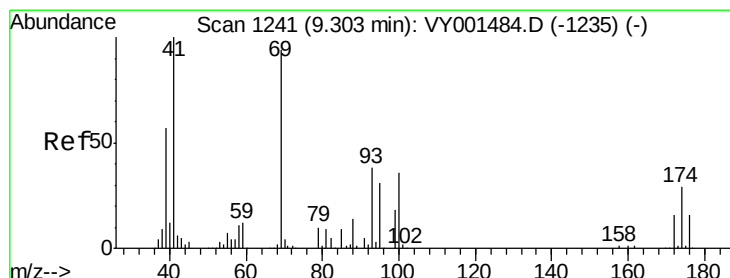
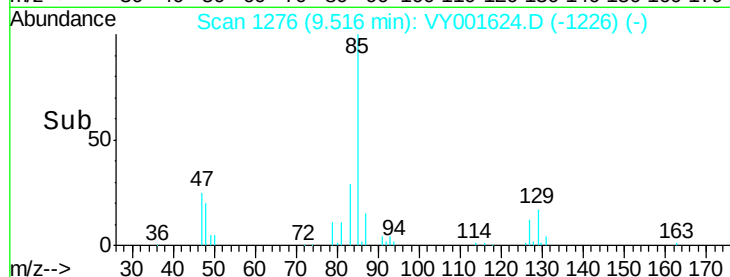
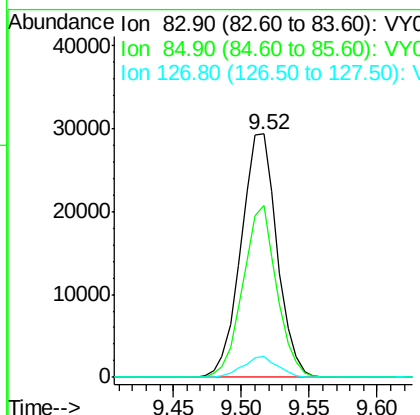
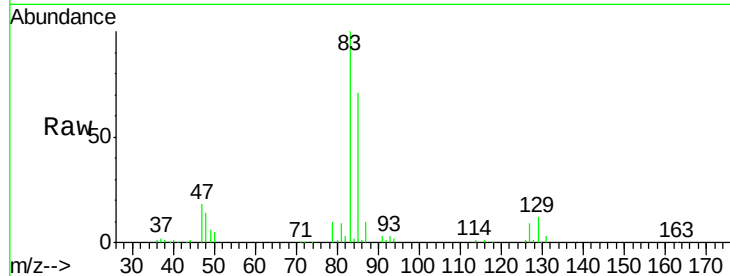
#47
Bromodichloromethane
Concen: 19.960 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	70.8	51.9	77.9	
127	8.6	6.9	10.3	

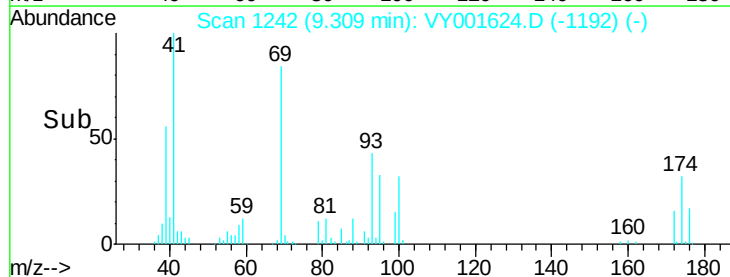
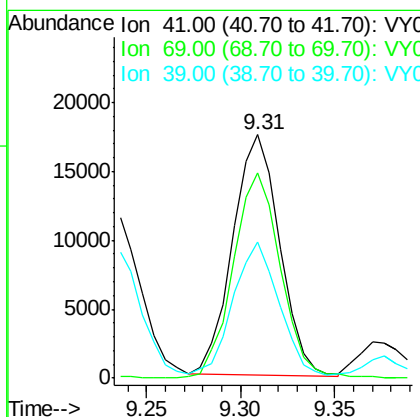
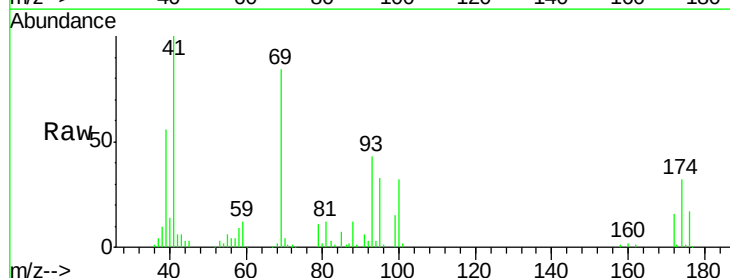
Manual Integrations
APPROVED

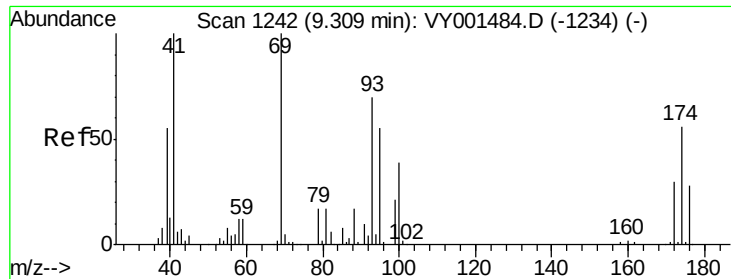
MMDadoda
2/14/2020 5:06:07 PM



#48
Methyl methacrylate
Concen: 23.811 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.5	76.6	114.8	
39	56.7	45.4	68.0	





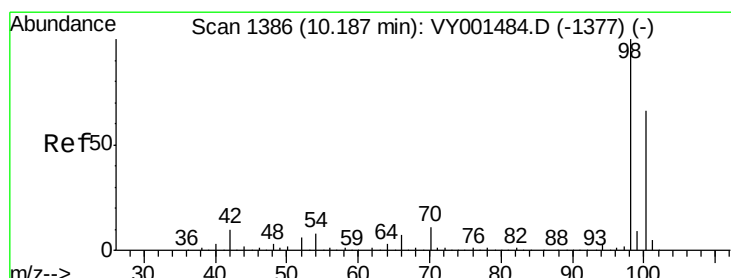
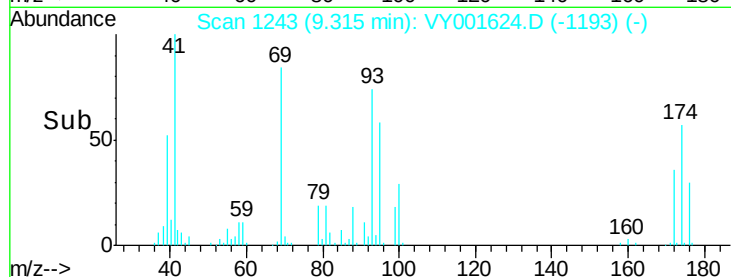
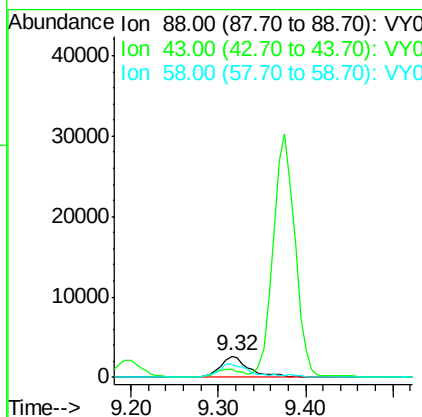
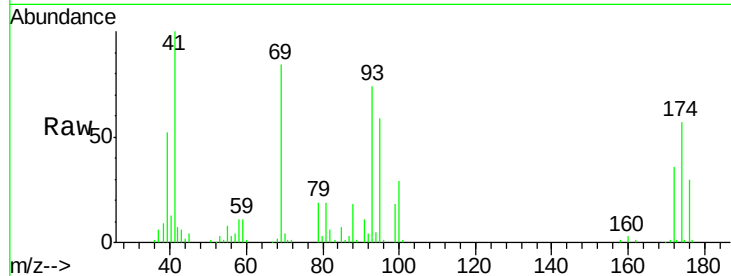
#49
1,4-Dioxane
Concen: 421.288 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	24.8	37.2
58	72.6	59.3	88.9

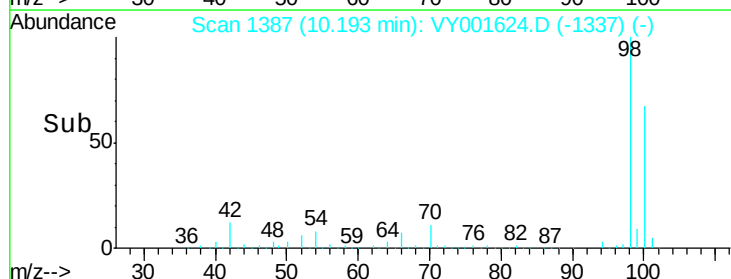
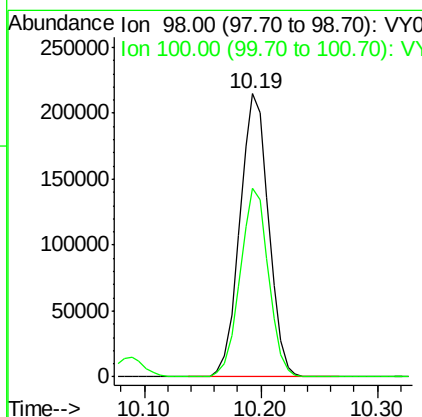
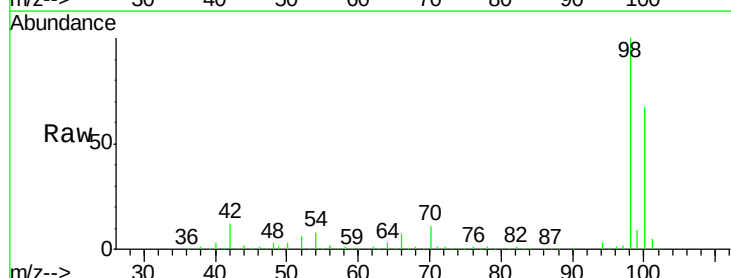
Manual Integrations
APPROVED

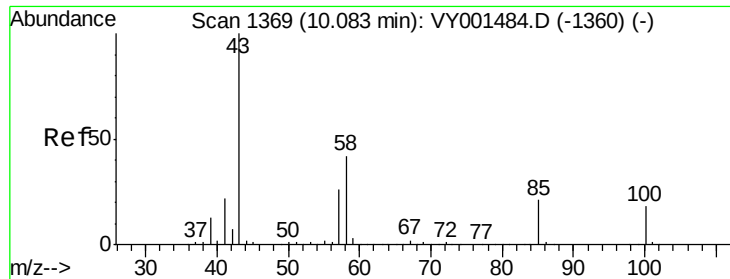
MMDadoda
2/14/2020 5:06:07 PM



#50
Toluene-d8
Concen: 53.444 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6





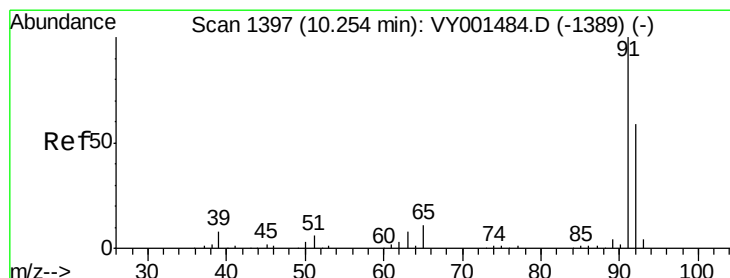
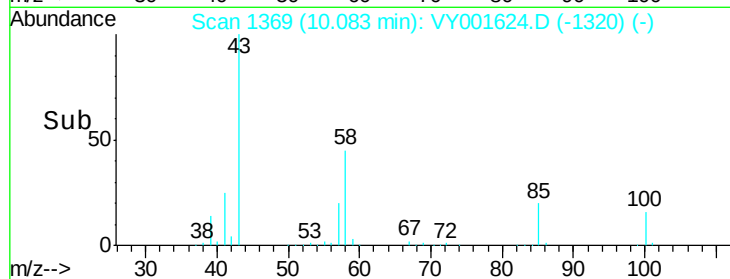
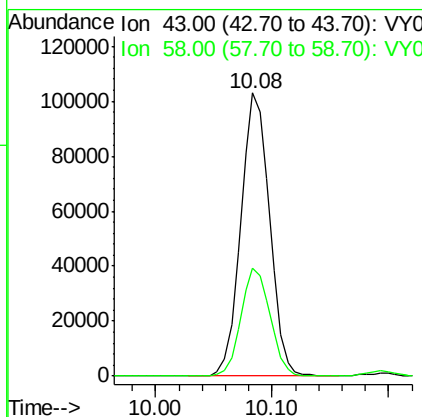
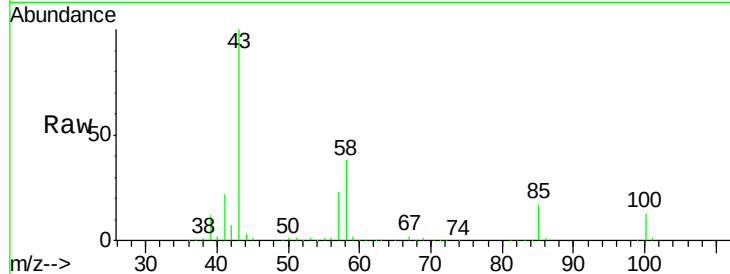
#51
 4-Methyl-2-Pentanone
 Concen: 129.983 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion: 43 Resp: 177836
 Ion Ratio Lower Upper
 43 100
 58 38.6 33.9 50.9

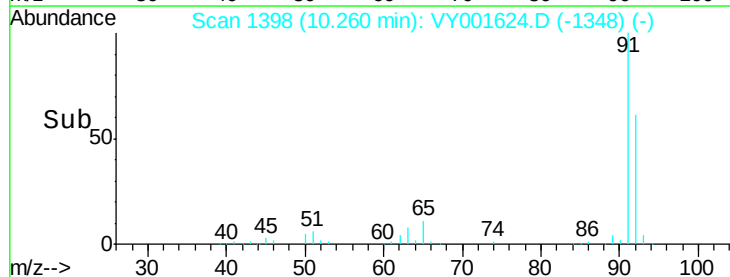
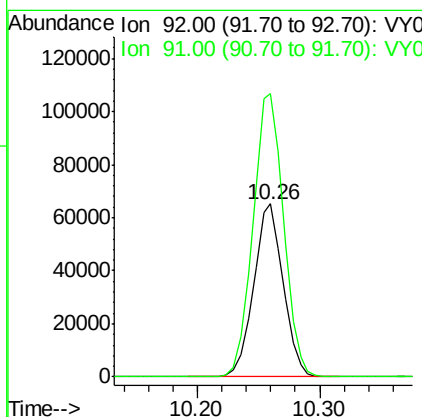
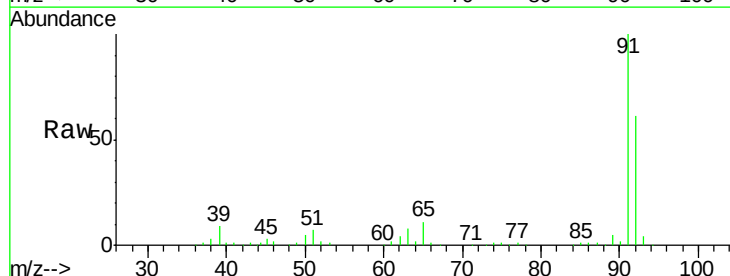
Manual Integrations
 APPROVED

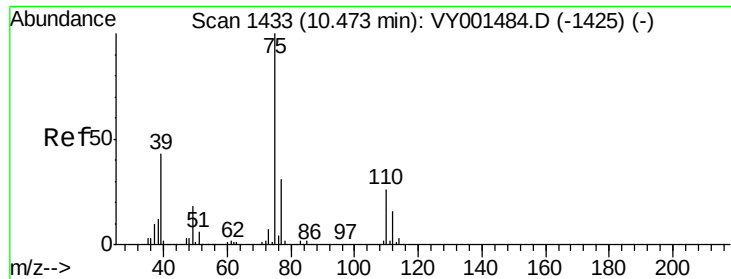
MMDadoda
 2/14/2020 5:06:07 PM



#52
 Toluene
 Concen: 20.765 ug/l
 RT: 10.26 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 92 Resp: 108924
 Ion Ratio Lower Upper
 92 100
 91 170.6 136.6 204.8





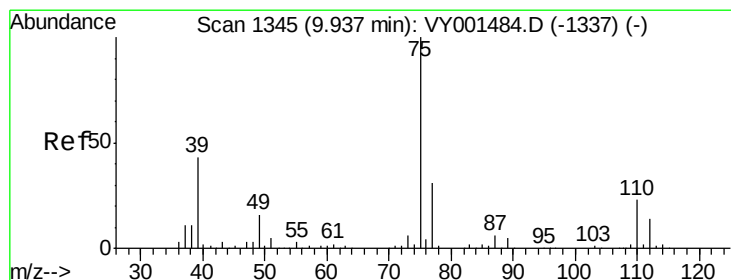
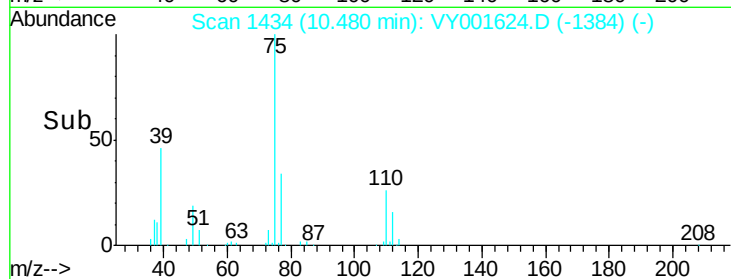
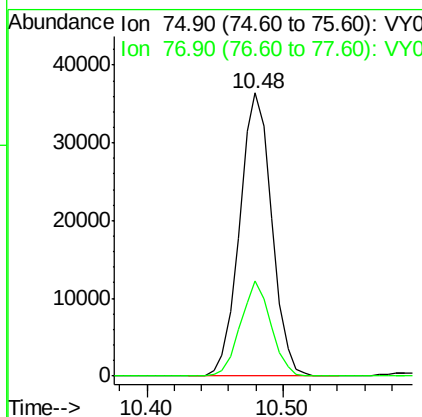
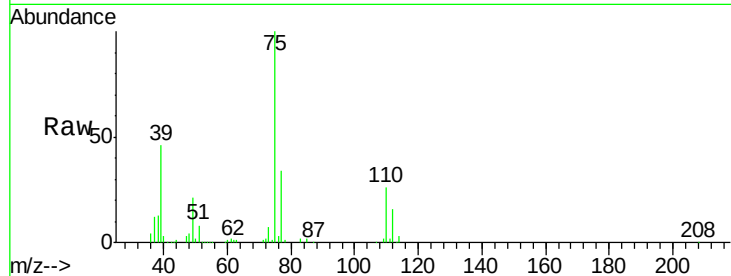
#53
t-1,3-Dichloropropene
Concen: 20.162 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 75 Resp: 59981
Ion Ratio Lower Upper
75 100
77 33.7 24.9 37.3

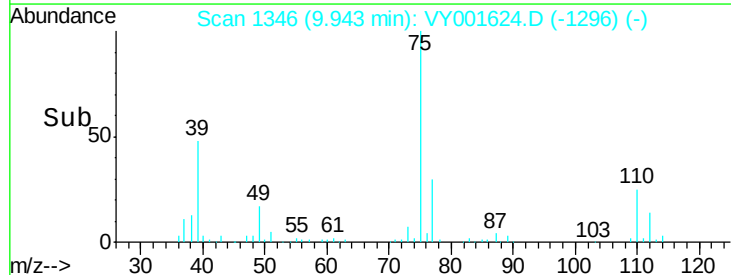
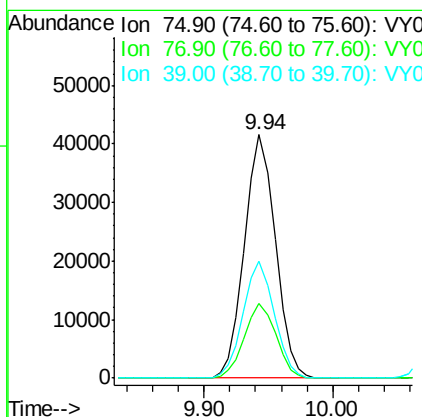
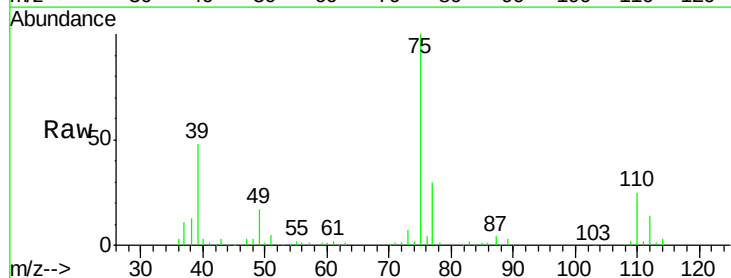
Manual Integrations
APPROVED

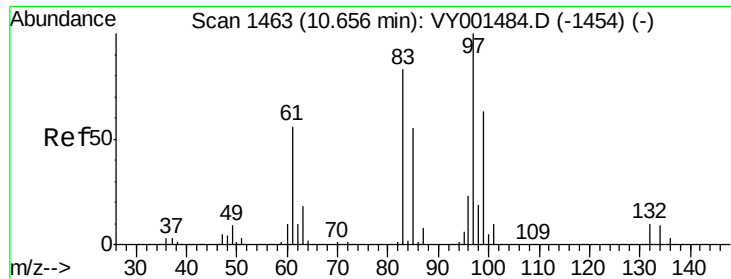
MMDadoda
2/14/2020 5:06:07 PM



#54
cis-1,3-Dichloropropene
Concen: 20.283 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 75 Resp: 69274
Ion Ratio Lower Upper
75 100
77 30.5 24.7 37.1
39 48.0 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 21.287 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

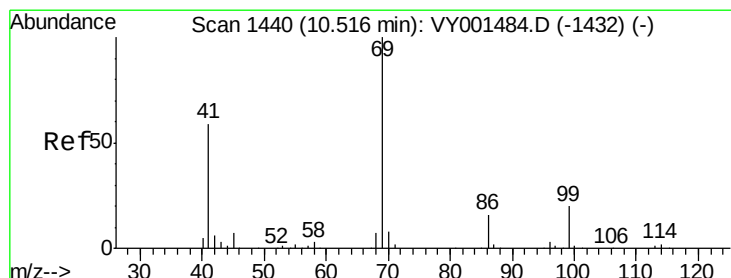
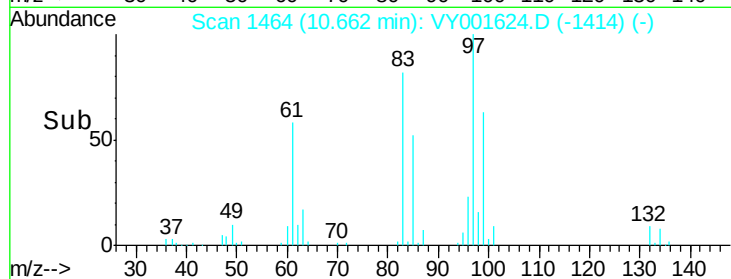
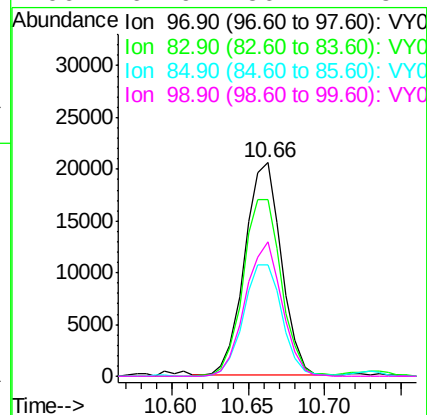
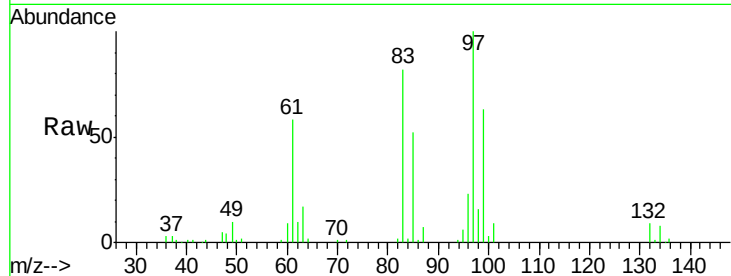
ClientSampleId :

VY0213SBS01

Tot Ion:	97	Resp:	34237
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.2	99.2
85	52.4	43.8	65.6
99	62.9	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#56

Ethyl methacrylate

Concen: 21.900 ug/l

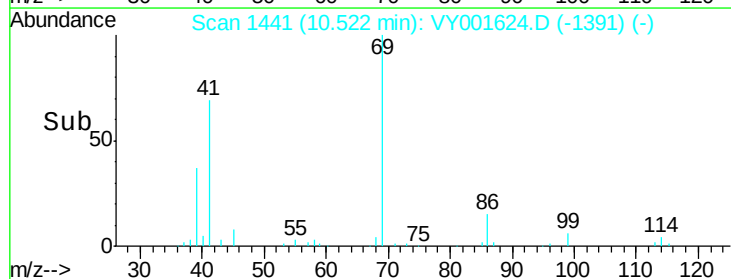
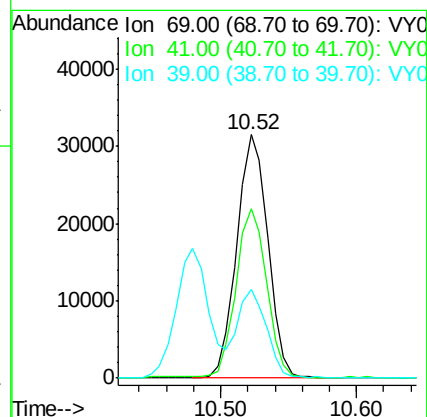
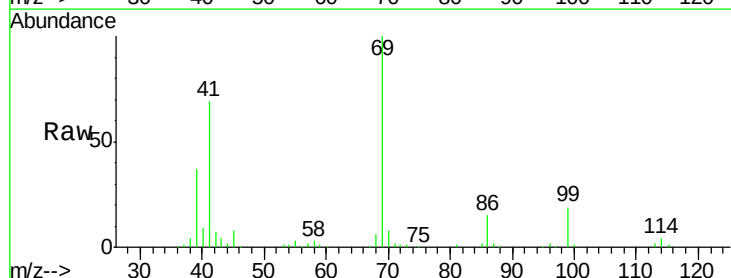
RT: 10.52 min Scan# 1441

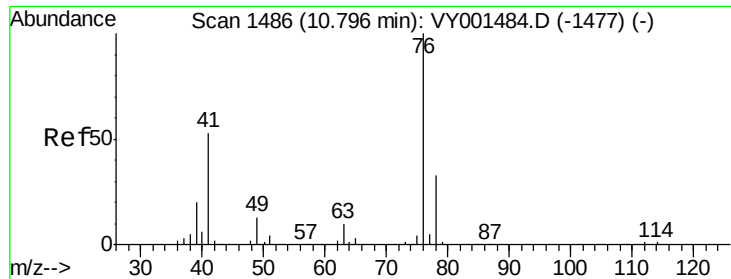
Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	69	Resp:	50099
Ion	Ratio	Lower	Upper
69	100		
41	68.4	47.8	71.8
39	34.2	24.4	36.6





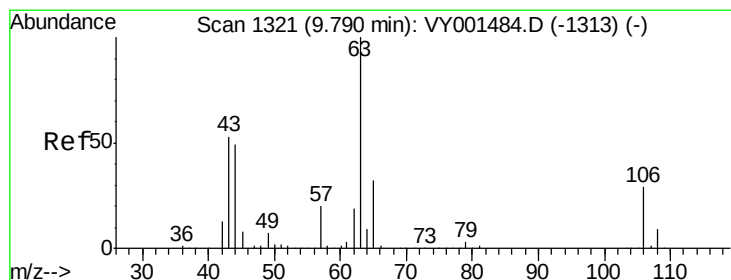
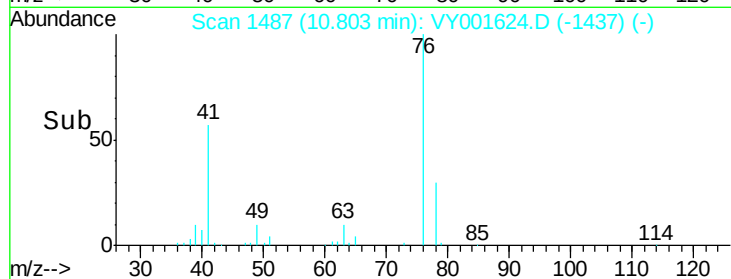
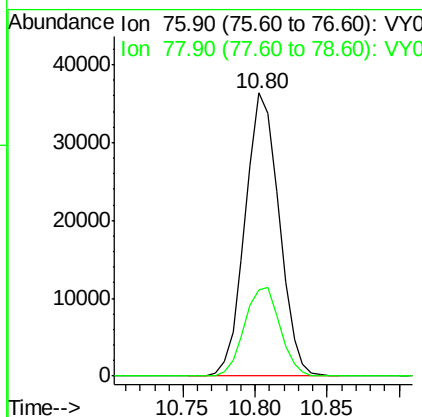
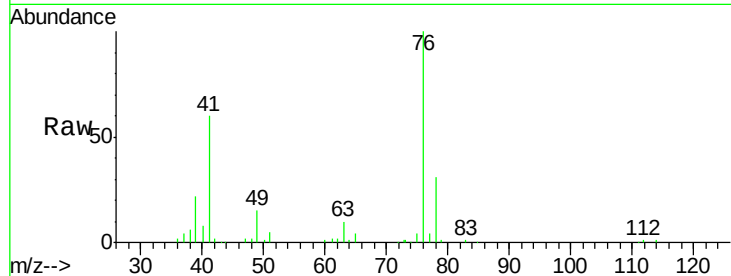
#57
 1,3-Dichloropropane
 Concen: 20.948 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion: 76 Resp: 59391
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

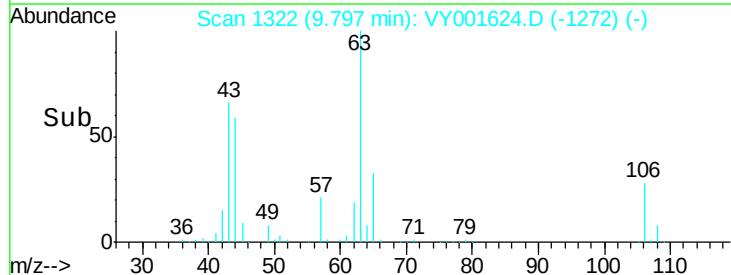
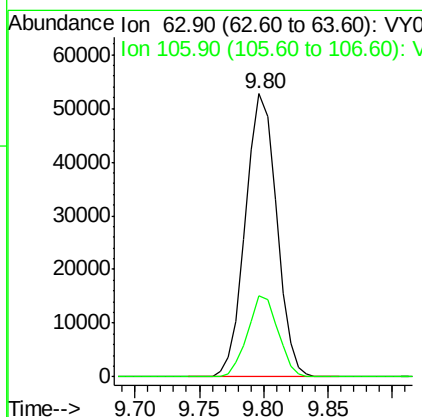
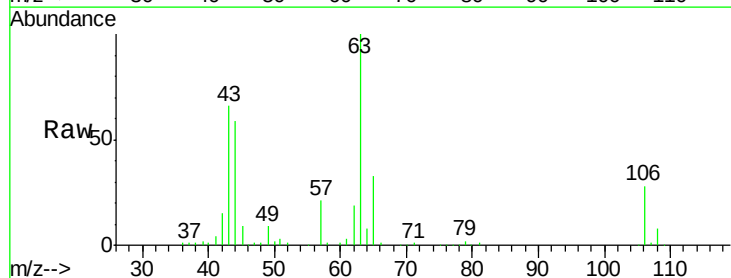
Manual Integrations
 APPROVED

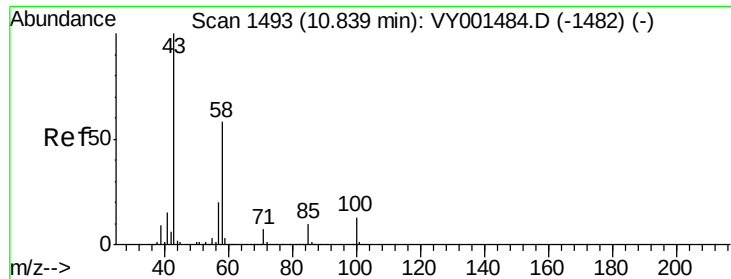
MMDadoda
 2/14/2020 5:06:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.106 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 63 Resp: 88453
 Ion Ratio Lower Upper
 63 100
 106 28.0 24.0 36.0





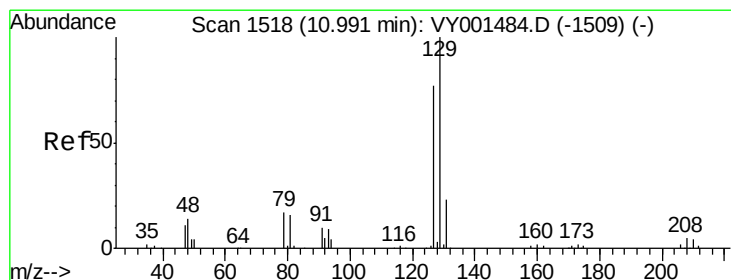
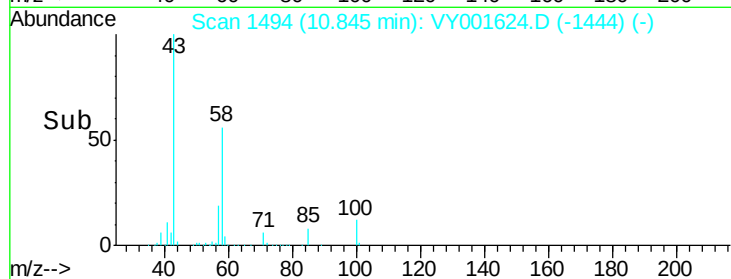
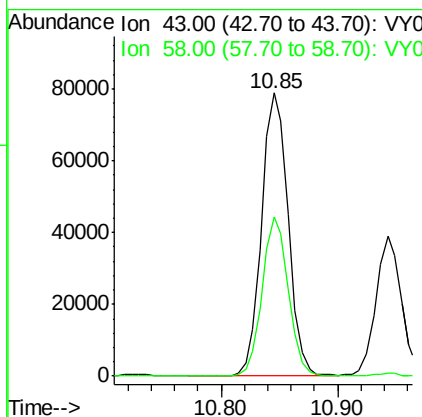
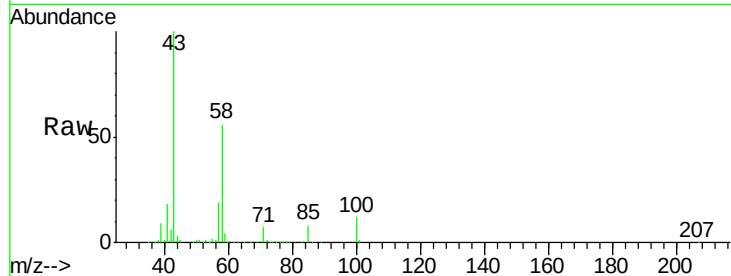
#59
2-Hexanone
Concen: 126.330 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 43 Resp: 125669
Ion Ratio Lower Upper
43 100
58 55.2 29.0 87.0

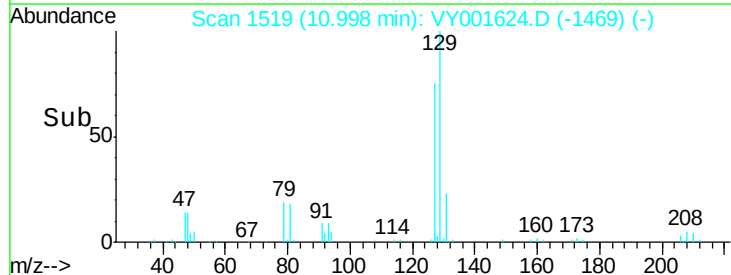
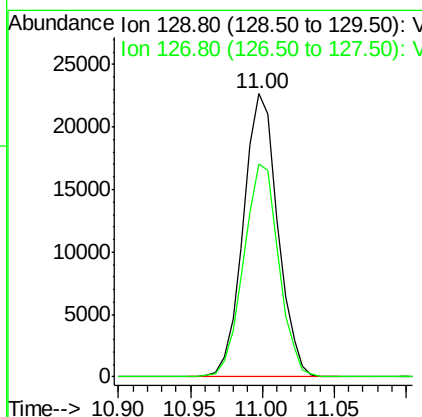
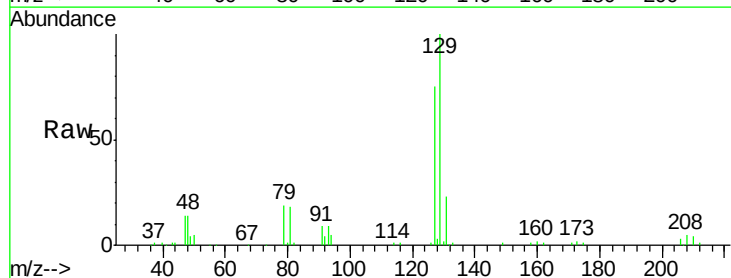
Manual Integrations
APPROVED

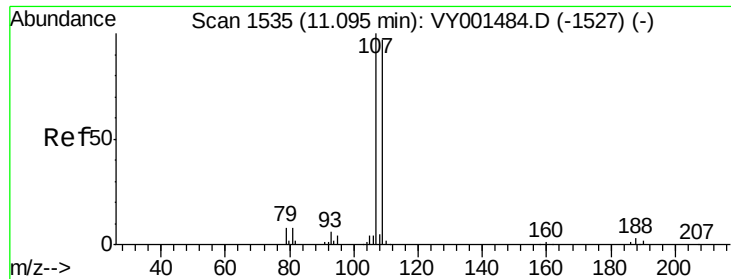
MMDadoda
2/14/2020 5:06:07 PM



#60
Dibromochloromethane
Concen: 19.712 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:129 Resp: 37371
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





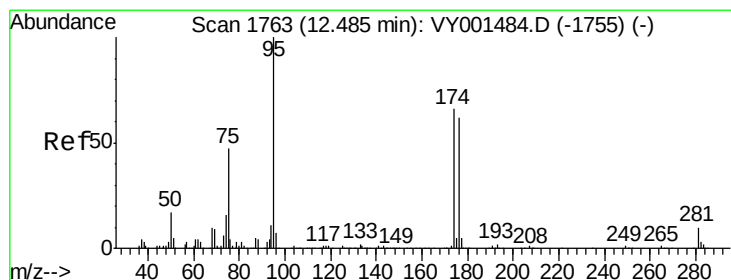
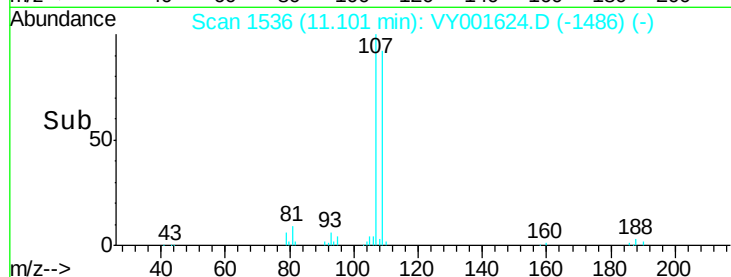
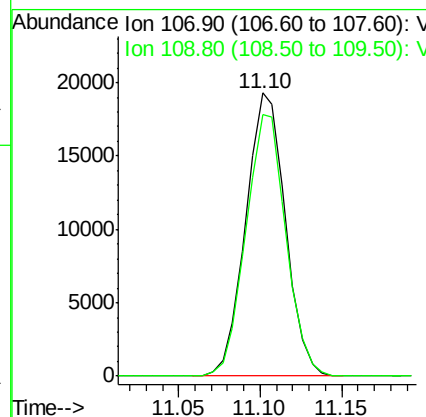
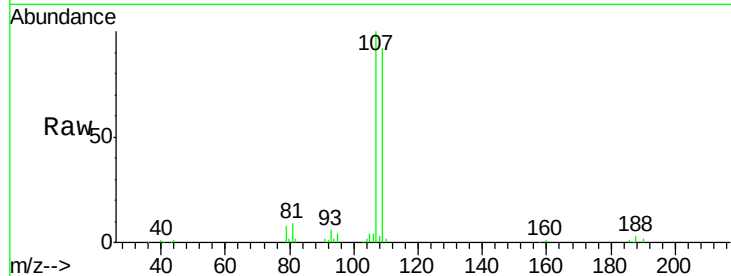
#61
 1,2-Dibromoethane
 Concen: 20.569 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion: 107 Resp: 32584
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2

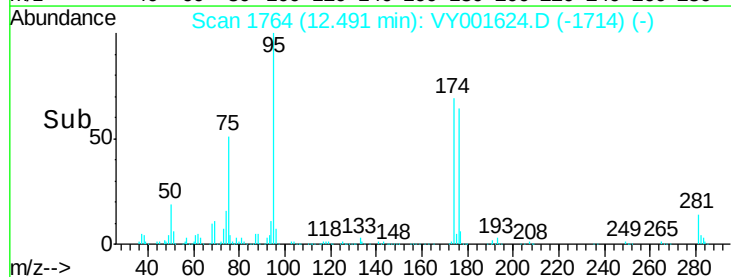
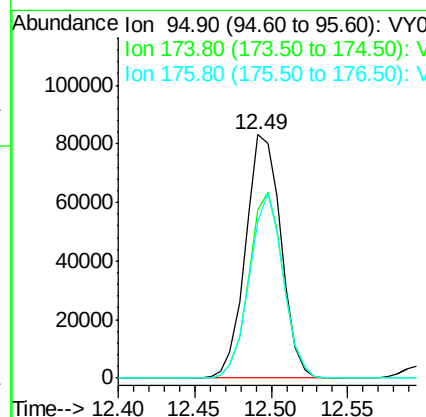
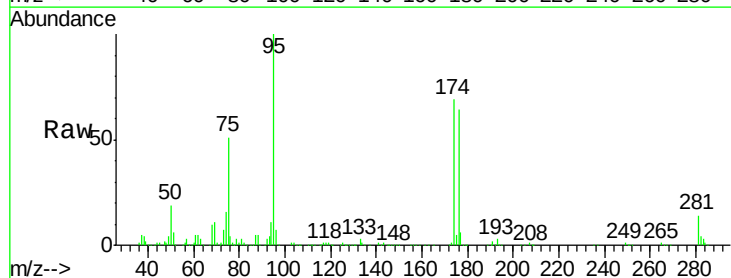
Manual Integrations
 APPROVED

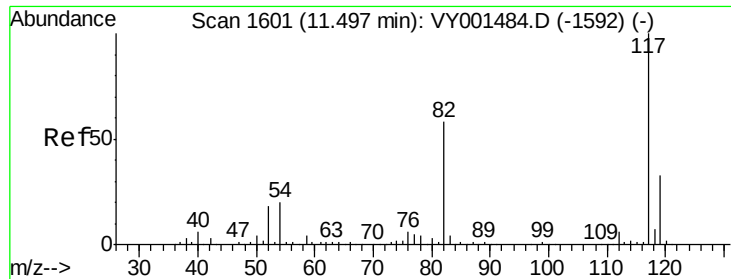
MMDadoda
 2/14/2020 5:06:07 PM



#62
 4-Bromofluorobenzene
 Concen: 48.893 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 95 Resp: 133143
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 141.4
 176 72.5 0.0 135.4





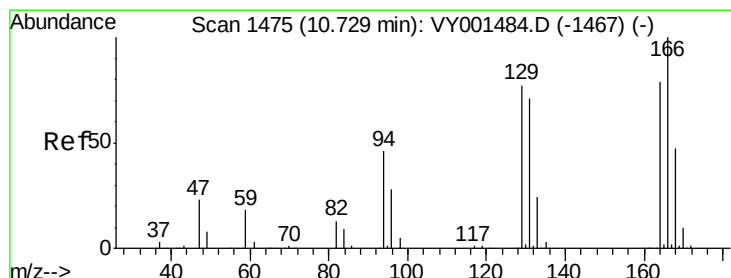
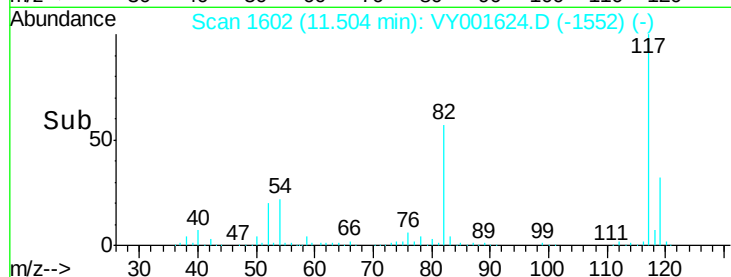
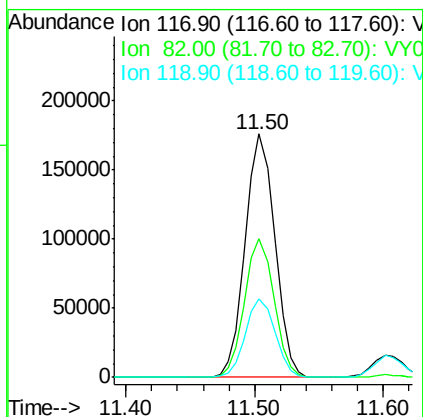
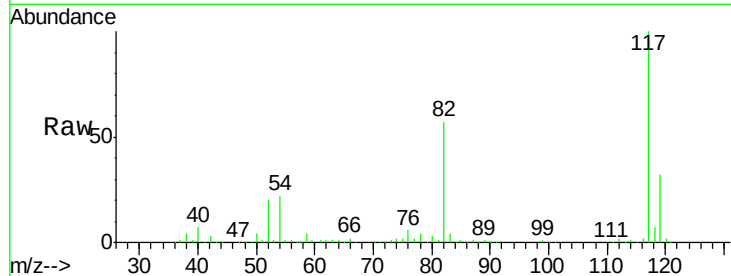
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.1	69.1
119	32.3	26.1	39.1

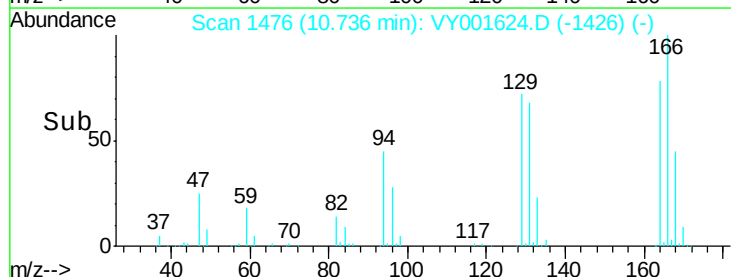
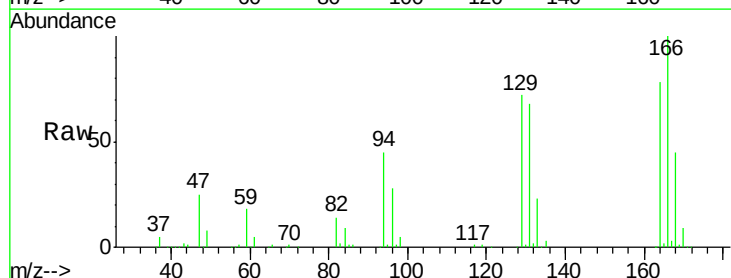
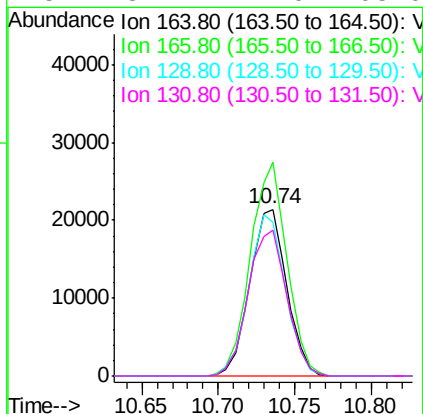
Manual Integrations
APPROVED

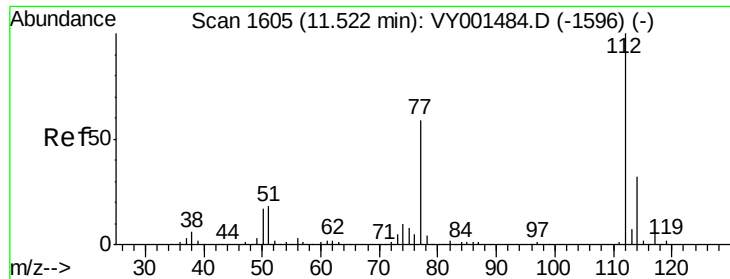
MMDadoda
2/14/2020 5:06:07 PM



#64
Tetrachloroethene
Concen: 19.593 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.8	151.2
129	92.1	77.8	116.6
131	87.2	72.0	108.0





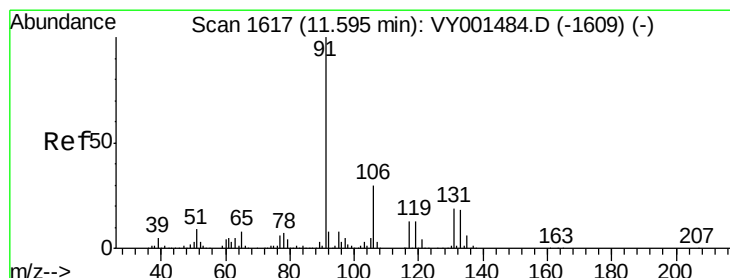
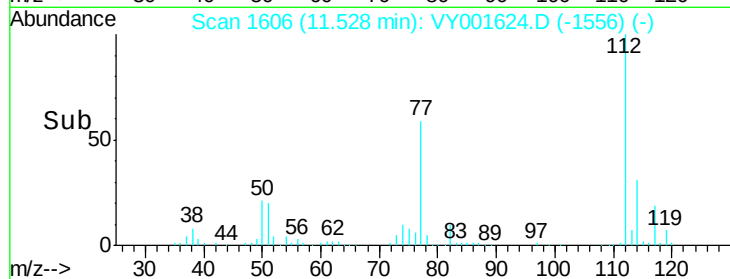
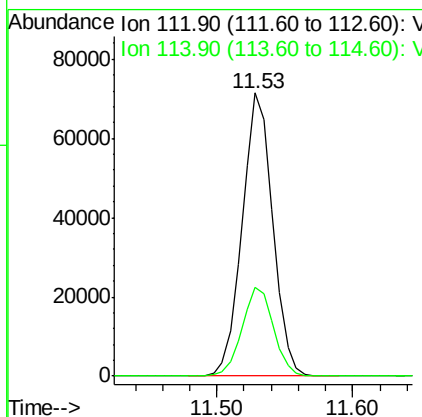
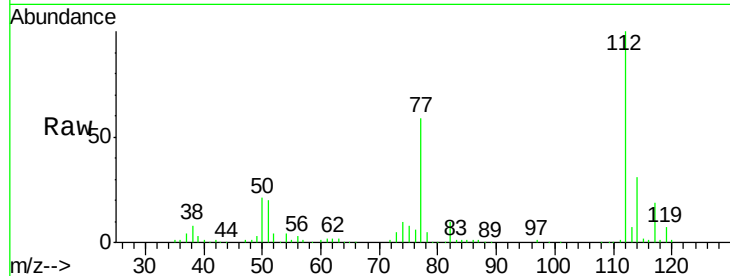
#65
Chlorobenzene
Concen: 20.426 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion:112 Resp: 112286
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

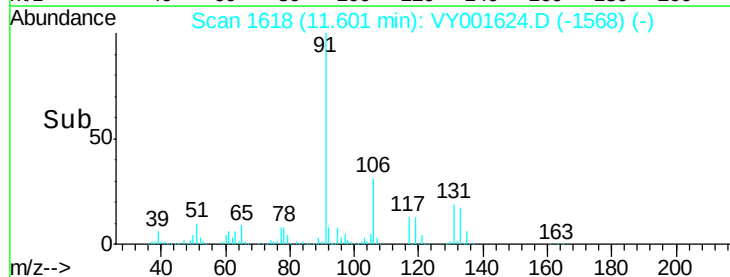
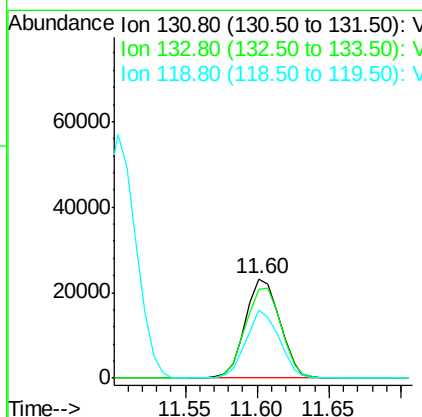
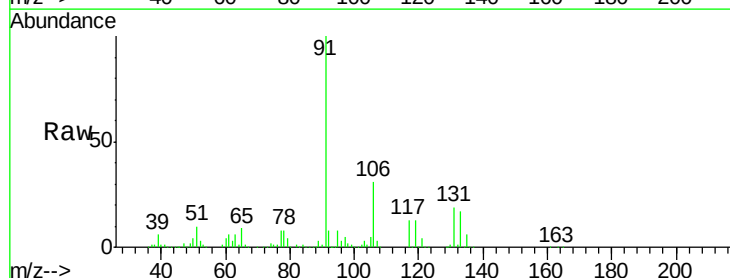
Manual Integrations
APPROVED

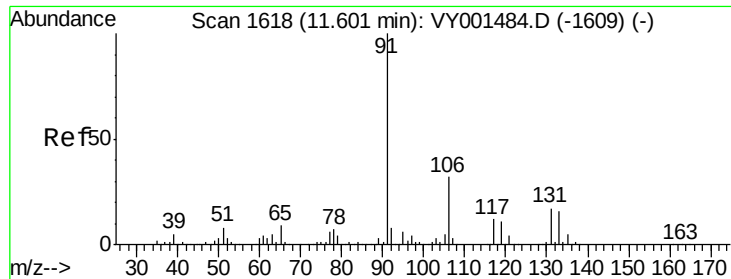
MMDadoda
2/14/2020 5:06:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.164 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:131 Resp: 38795
Ion Ratio Lower Upper
131 100
133 93.9 47.9 143.8
119 65.6 33.7 101.0





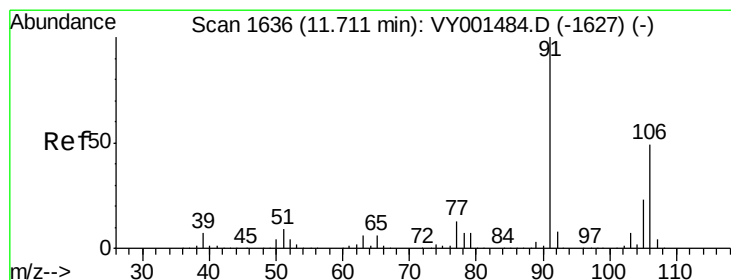
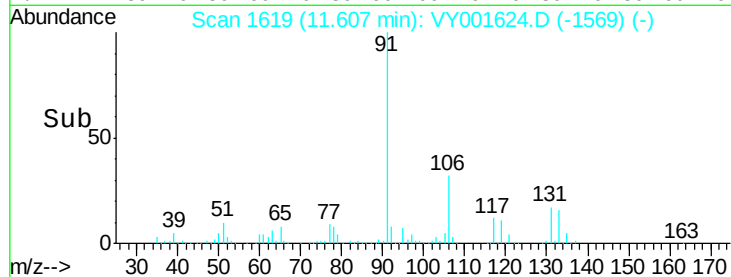
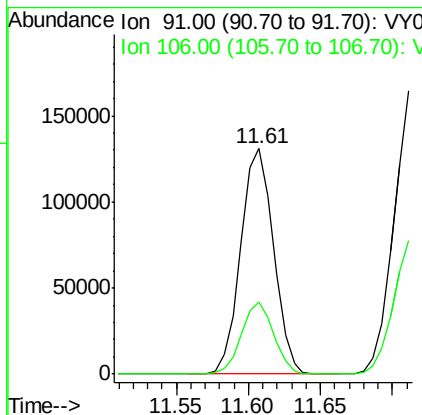
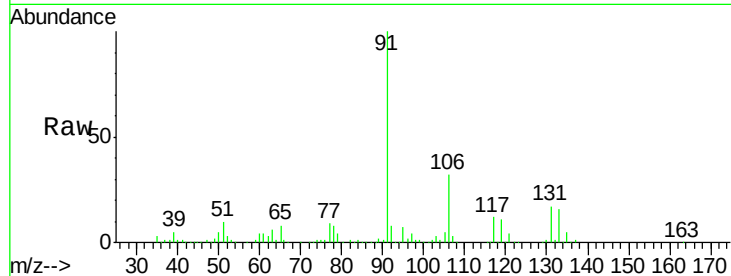
#67
Ethyl Benzene
Concen: 20.353 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 91 Resp: 206870
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9

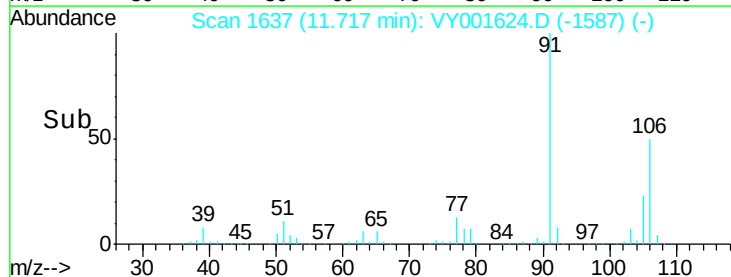
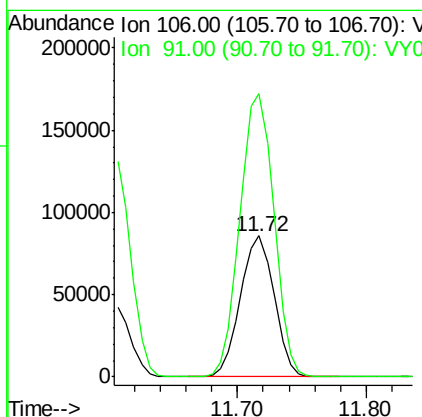
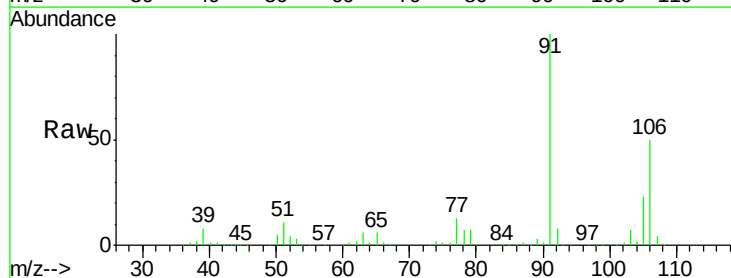
Manual Integrations
APPROVED

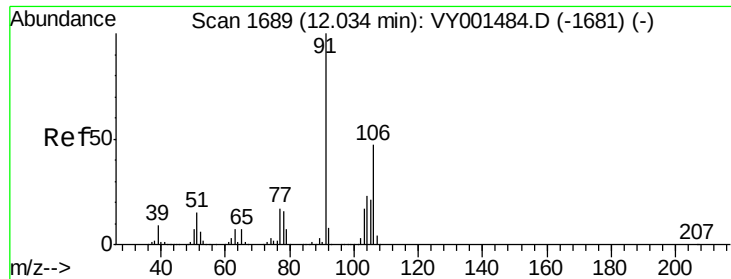
MMDadoda
2/14/2020 5:06:07 PM



#68
m/p-Xylenes
Concen: 40.583 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 106 Resp: 154849
Ion Ratio Lower Upper
106 100
91 203.5 163.6 245.4





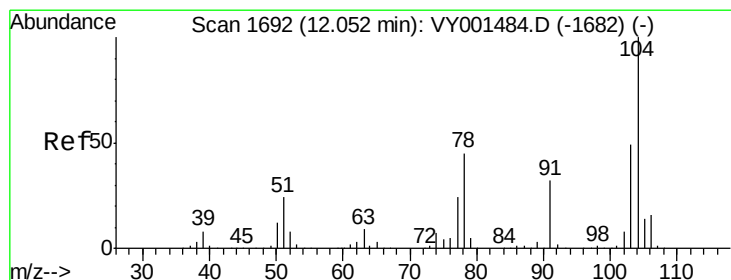
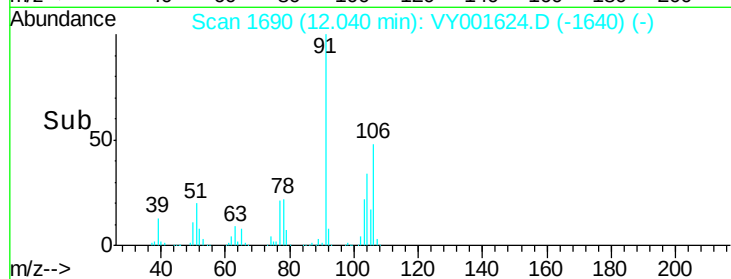
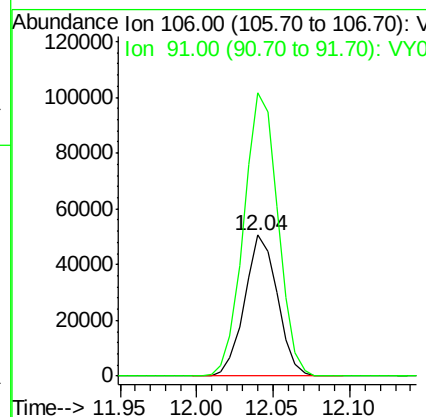
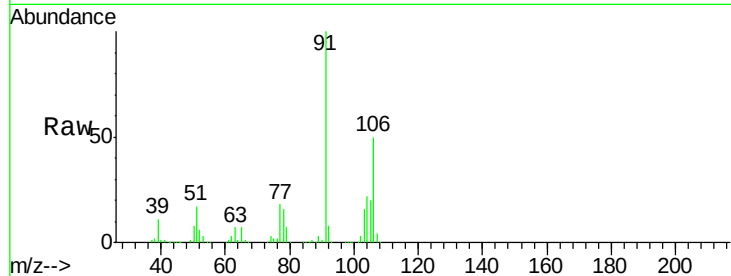
#69
o-Xylene
Concen: 20.935 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion:106 Resp: 75315
Ion Ratio Lower Upper
106 100
91 209.3 106.0 318.0

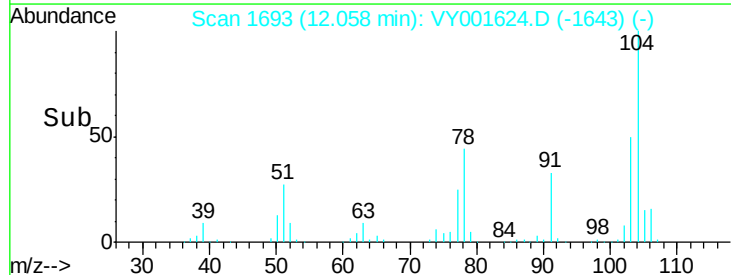
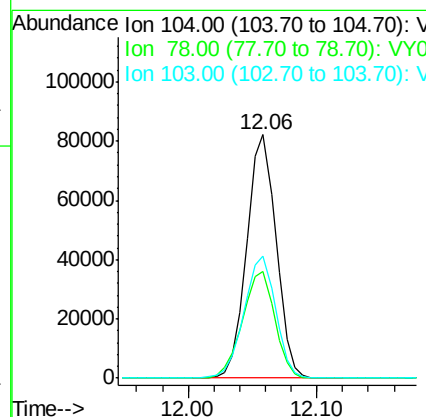
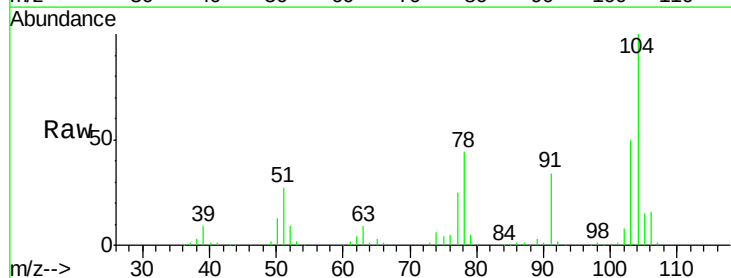
Manual Integrations
APPROVED

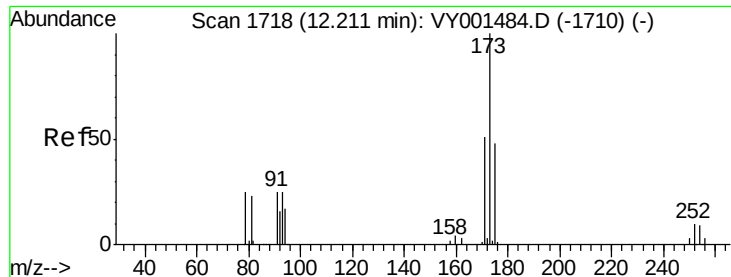
MMDadoda
2/14/2020 5:06:07 PM



#70
Styrene
Concen: 20.711 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:104 Resp: 128854
Ion Ratio Lower Upper
104 100
78 48.3 40.4 60.6
103 54.0 42.8 64.2





#71

Bromoform

Concen: 19.568 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

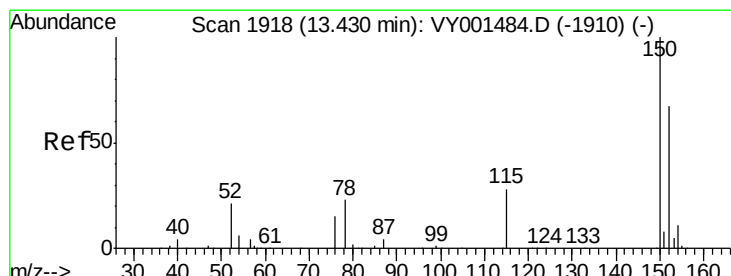
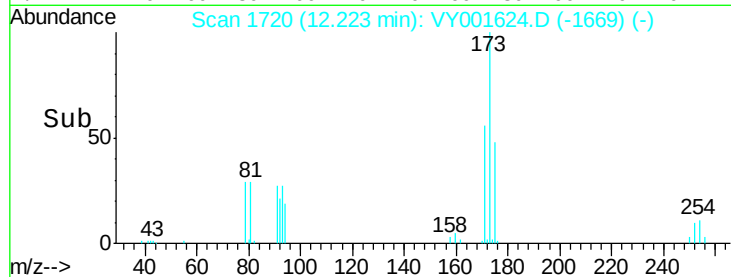
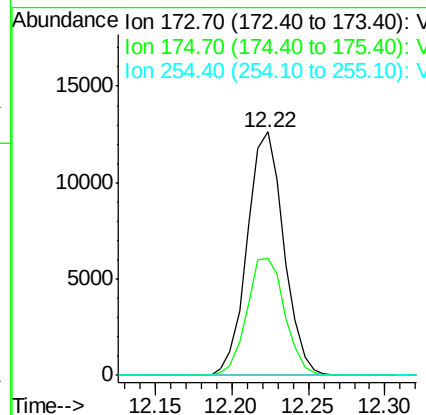
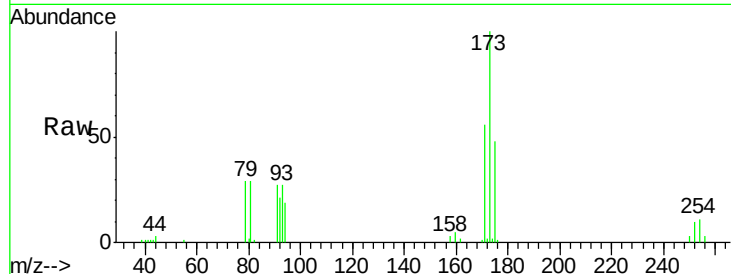
ClientSampleId :

VY0213BS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

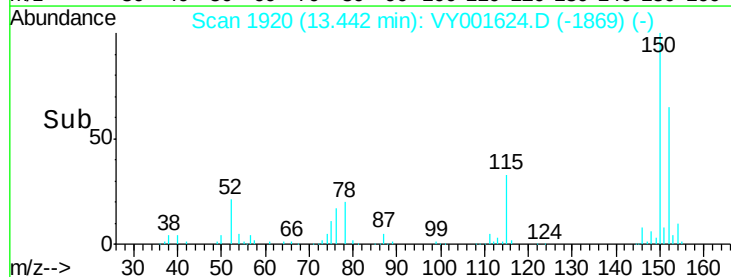
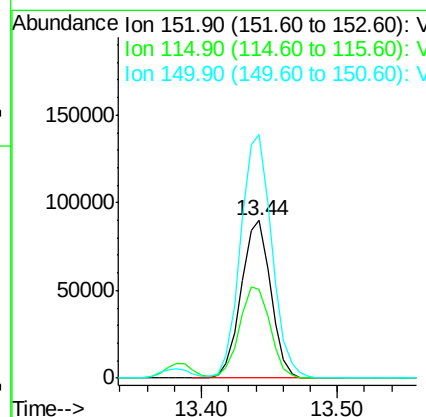
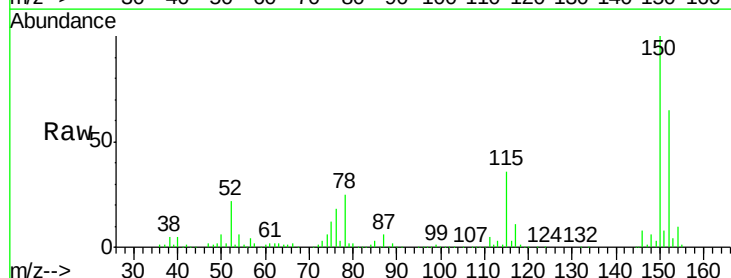
RT: 13.44 min Scan# 1920

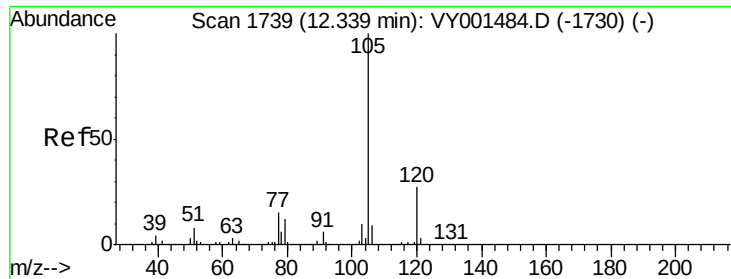
Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	31.4	94.3
150	163.3	0.0	346.8





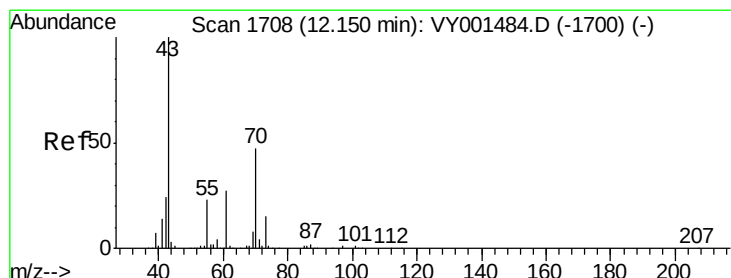
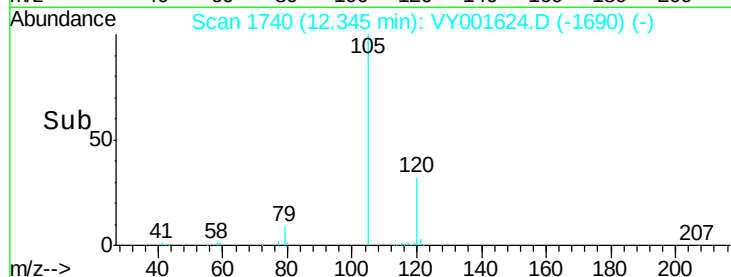
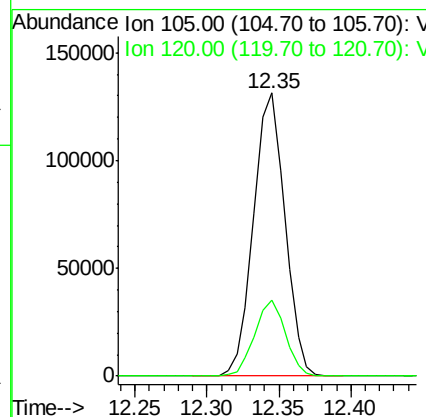
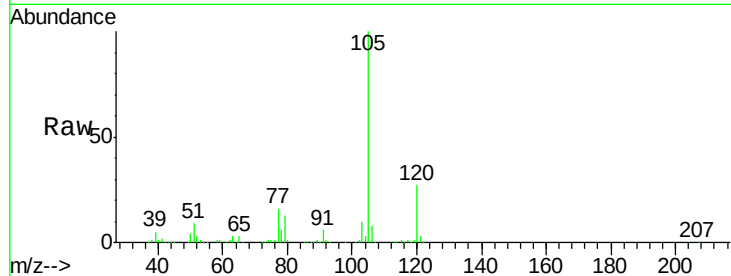
#73
Isopropylbenzene
Concen: 19.020 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	197827		
120	26.3		13.3	39.9

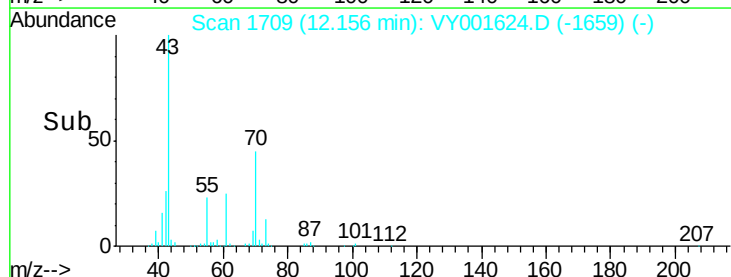
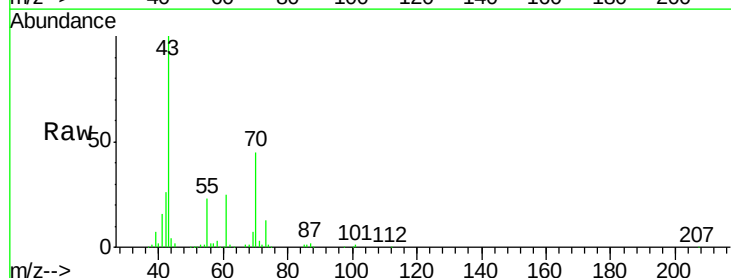
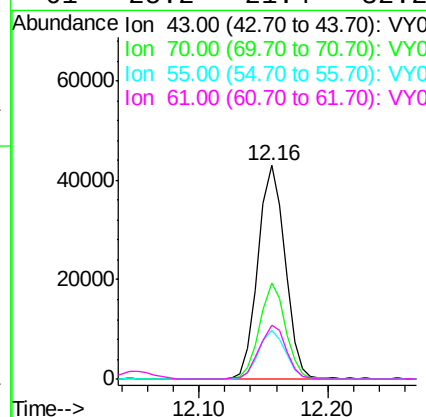
Manual Integrations
APPROVED

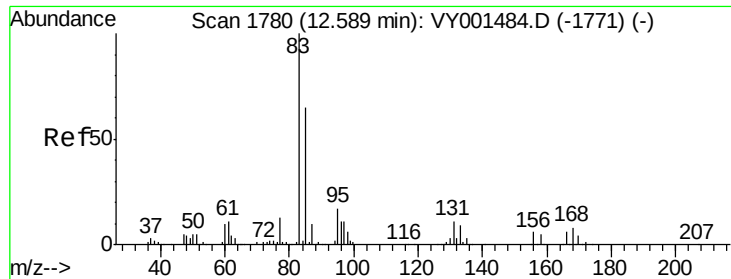
MMDadoda
2/14/2020 5:06:07 PM



#74
N-ethyl acetate
Concen: 23.039 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	62266		
70	43.0		37.2	55.8
55	22.6		18.8	28.2
61	25.2		21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.371 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

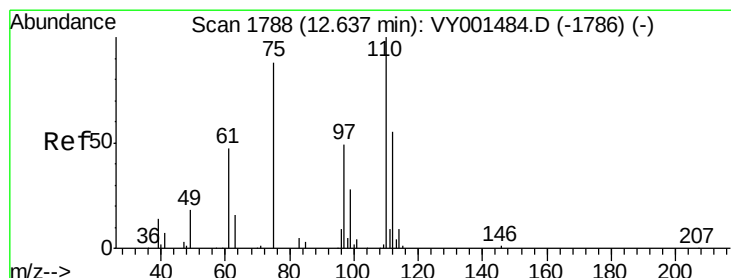
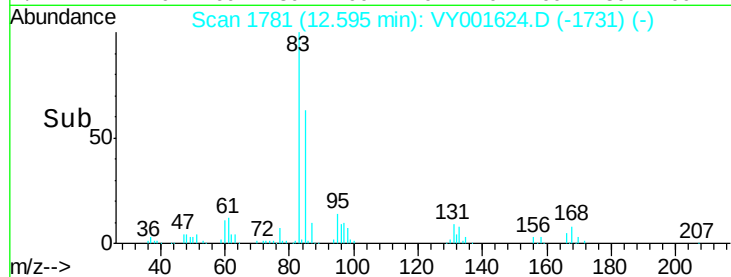
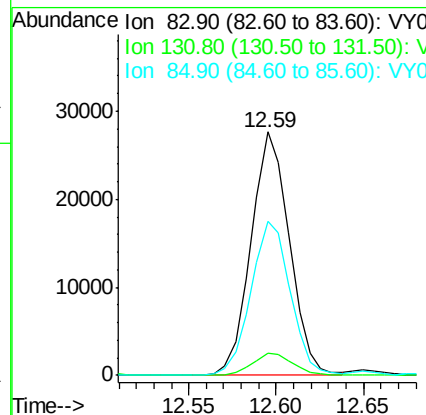
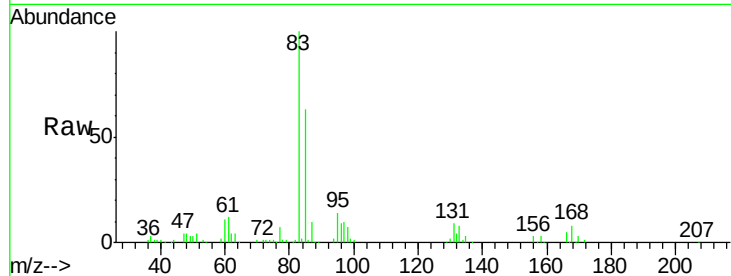
ClientSampleId :

VY0213SBS01

Tot Ion:	83	Resp:	42231
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.4	16.2
85	64.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#76

1,2,3-Trichloropropane

Concen: 21.824 ug/l m

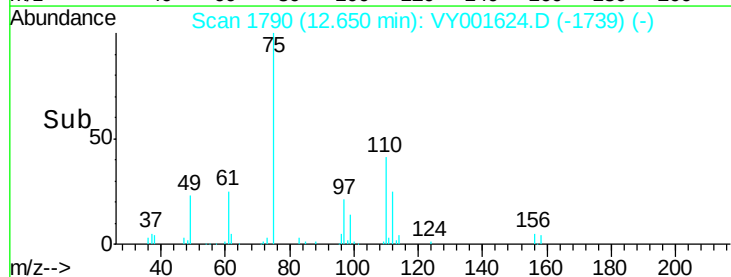
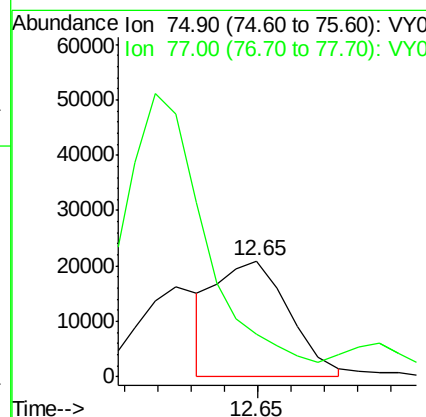
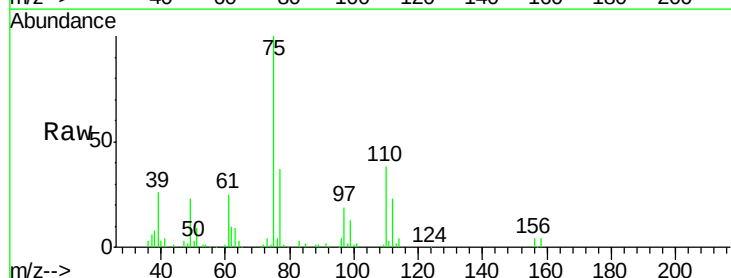
RT: 12.65 min Scan# 1790

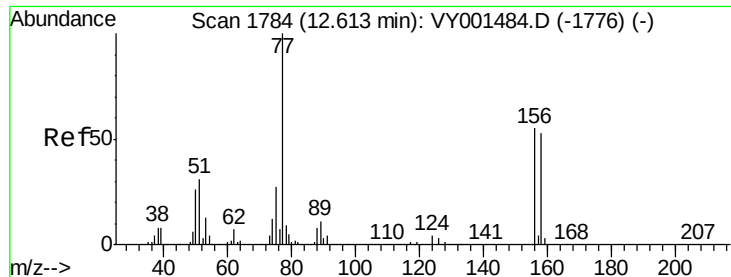
Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	75	Resp:	32006
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion:156 Resp: 43753

Ion Ratio Lower Upper

156 100

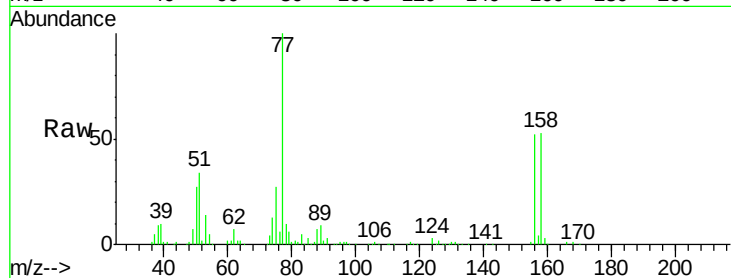
77 206.5 99.8 299.3

158 97.1 47.5 142.6

Manual Integrations
APPROVED

MMDadoda

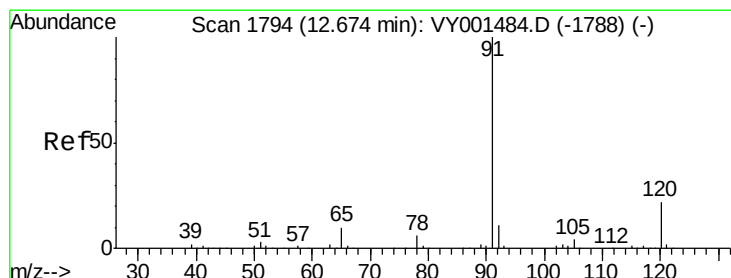
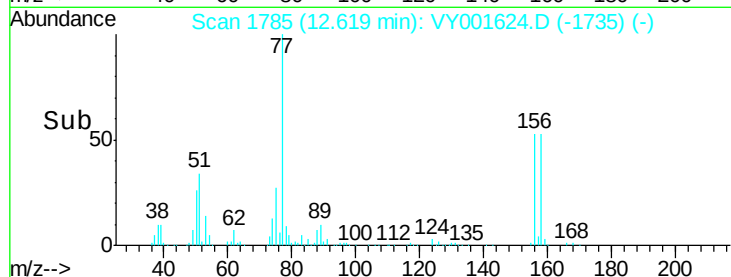
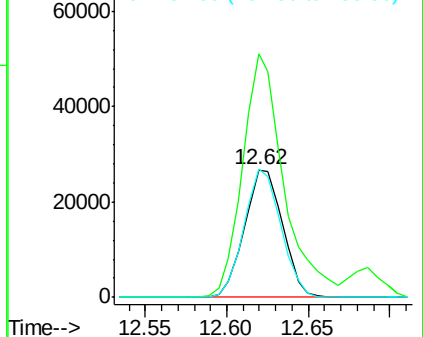
2/14/2020 5:06:07 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.300 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001624.D

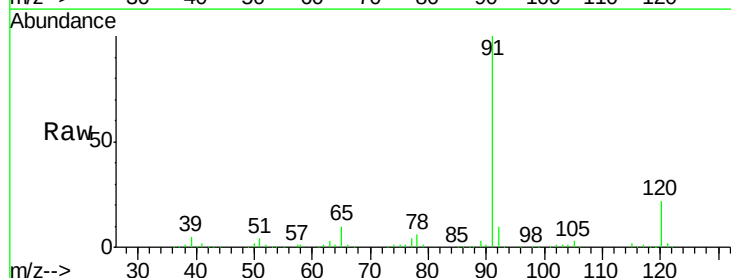
Acq: 13 Feb 2020 12:27

Tgt Ion: 91 Resp: 240318

Ion Ratio Lower Upper

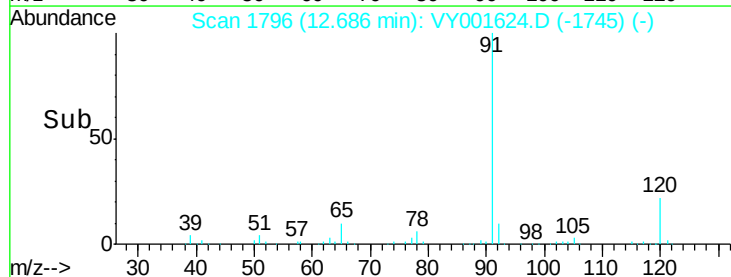
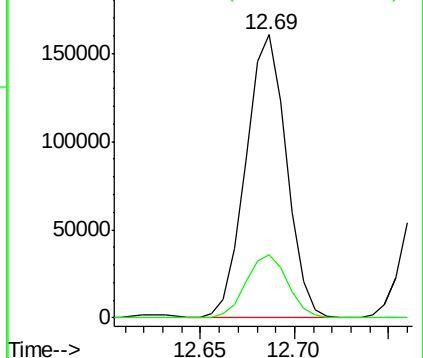
91 100

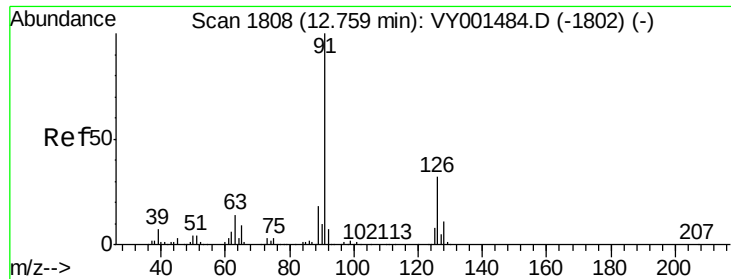
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





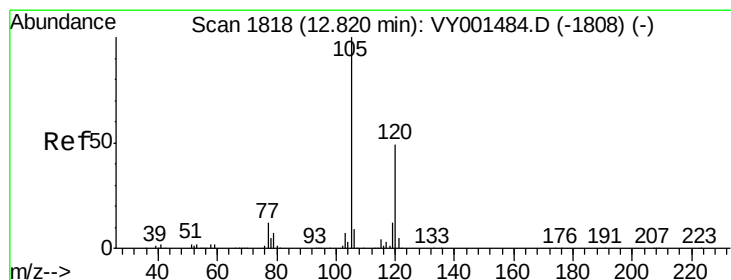
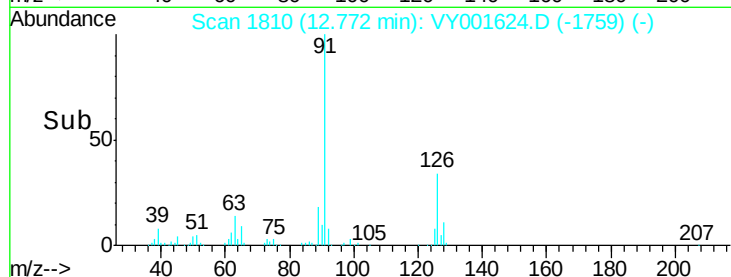
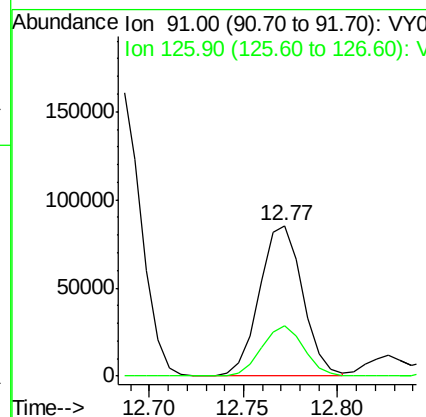
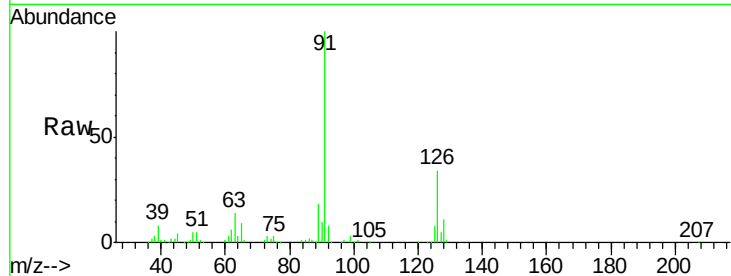
#79
2-Chlorotoluene
Concen: 19.075 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2

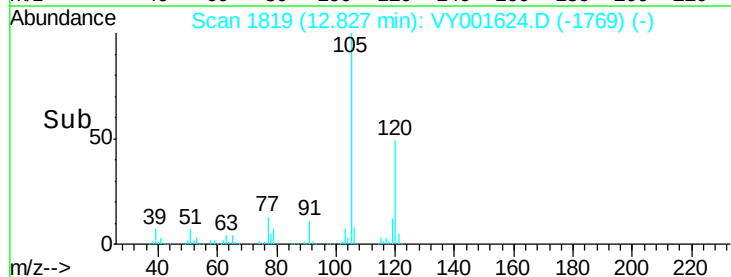
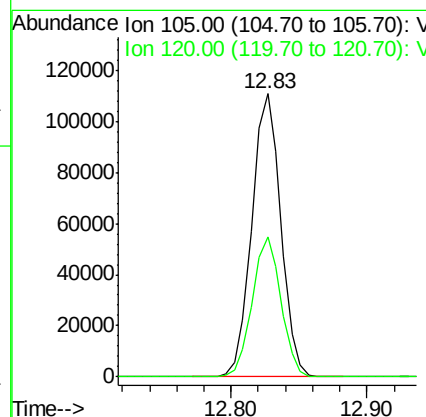
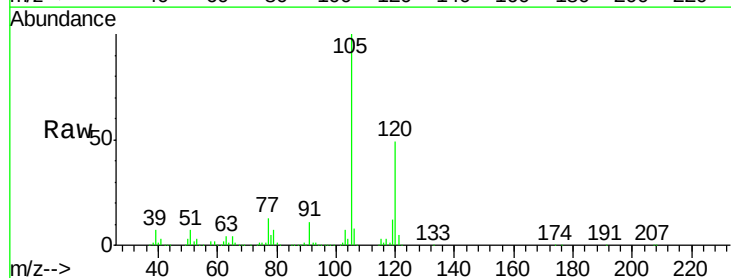
Manual Integrations
APPROVED

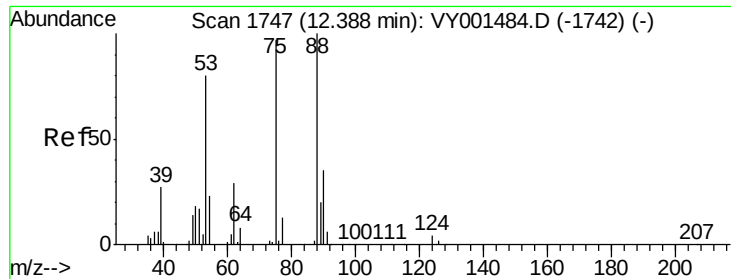
MMDadoda
2/14/2020 5:06:07 PM



#80
1,3,5-Trimethylbenzene
Concen: 18.896 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.1	72.2





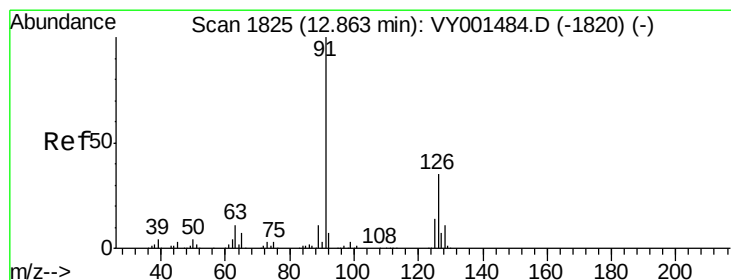
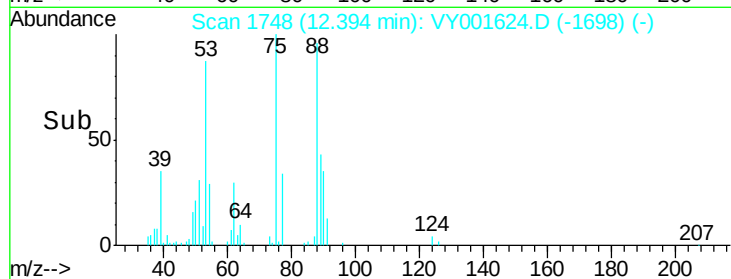
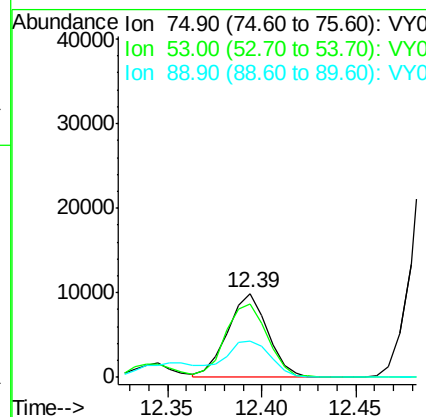
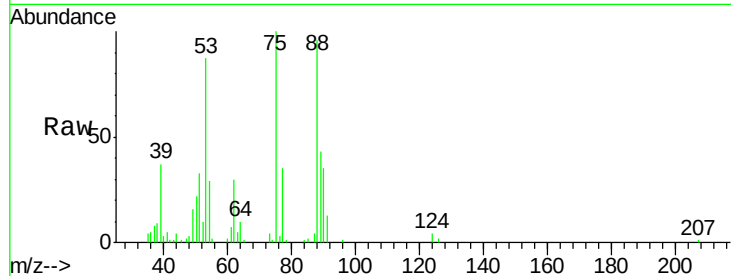
#81
trans-1,4-Dichloro-2-butene
Concen: 19.398 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.0	67.7	101.5
89	48.1	34.6	52.0

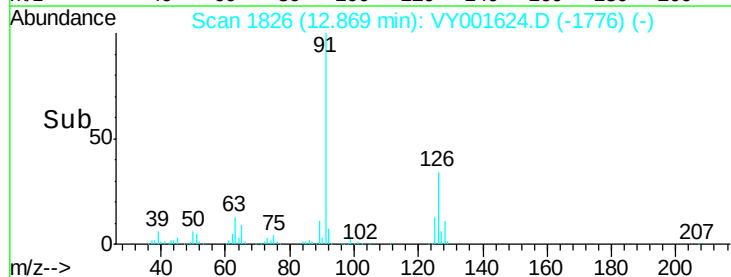
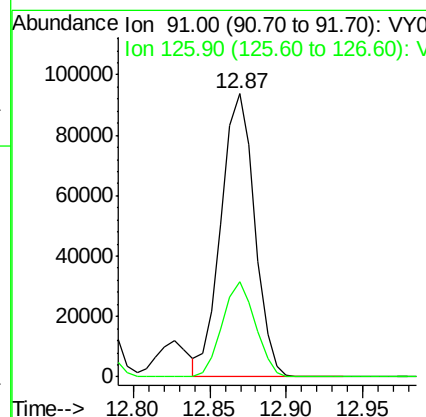
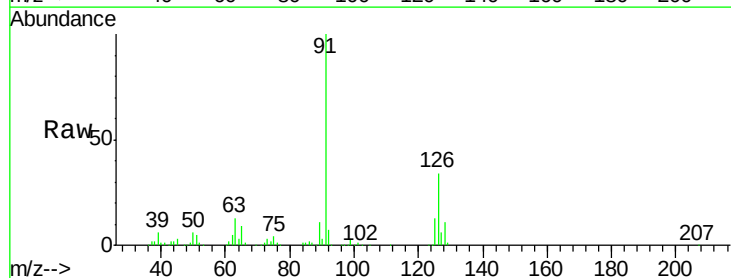
Manual Integrations
APPROVED

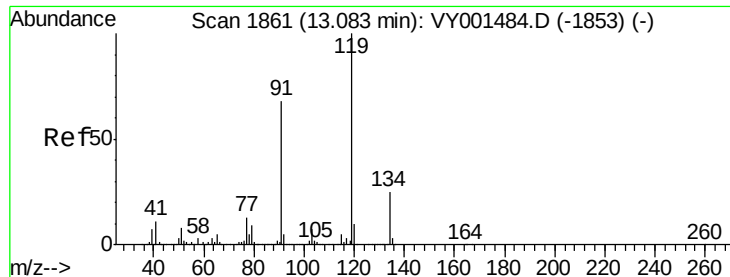
MMDadoda
2/14/2020 5:06:07 PM



#82
4-Chlorotoluene
Concen: 19.224 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





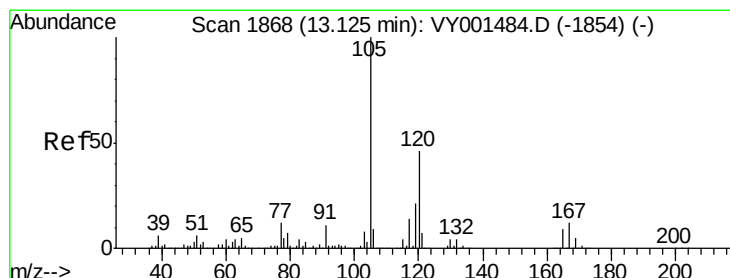
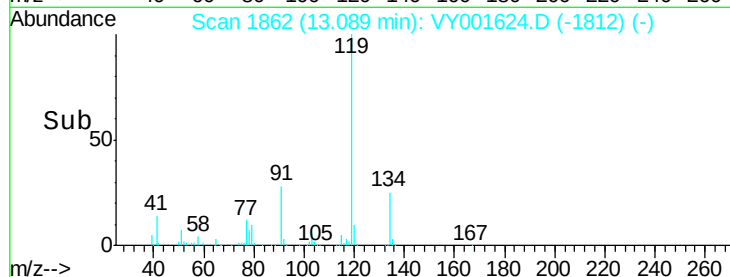
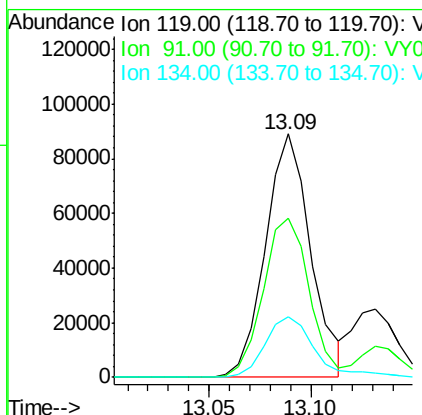
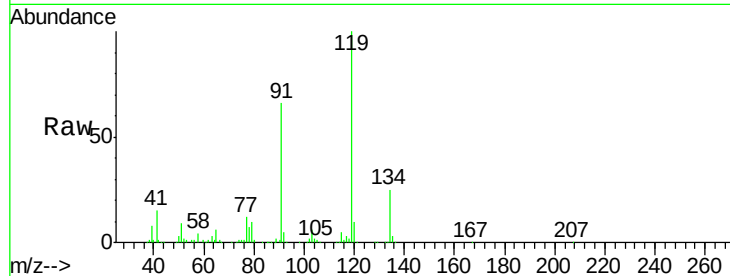
#83
tert-Butylbenzene
Concen: 18.572 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137508		
91	66.6	33.1	99.3	
134	27.5	13.0	39.0	

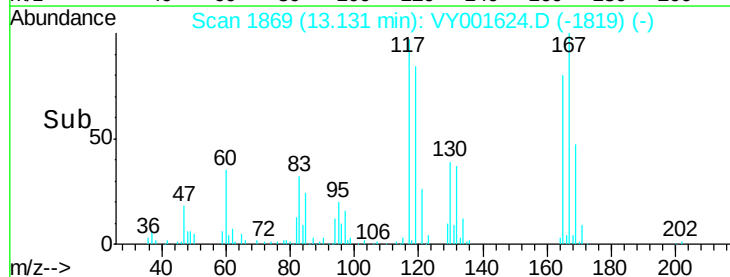
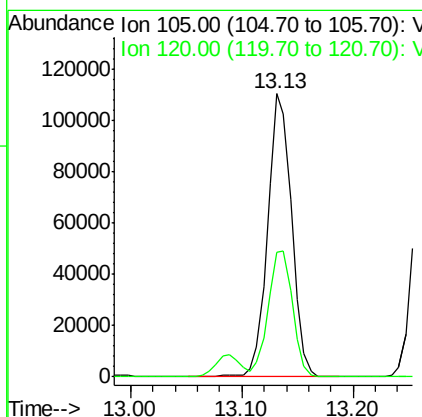
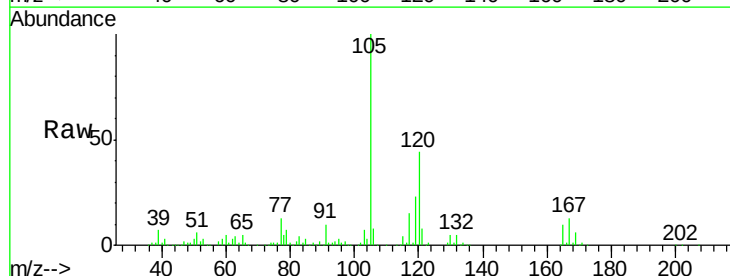
Manual Integrations
APPROVED

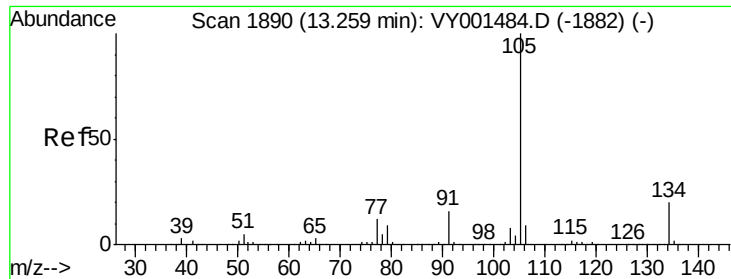
MMDadoda
2/14/2020 5:06:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.123 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165787		
120	45.2	22.4	67.0	





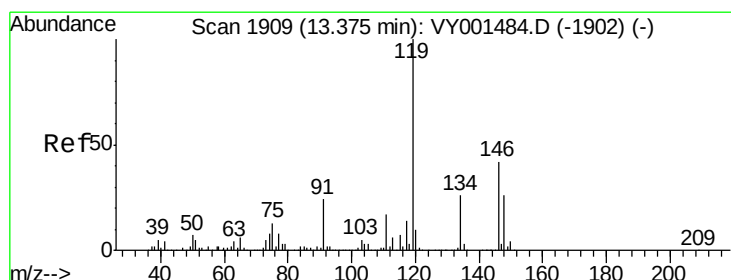
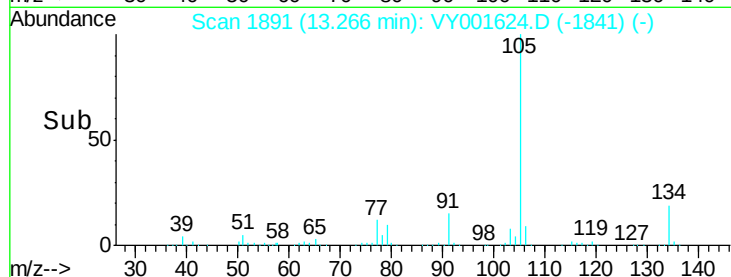
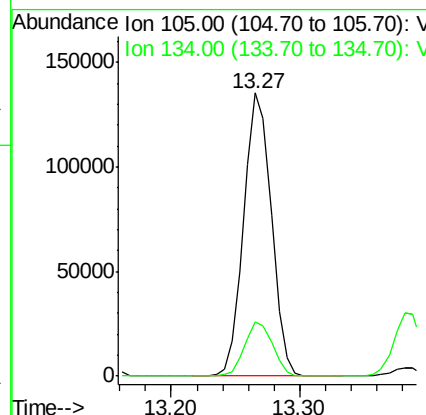
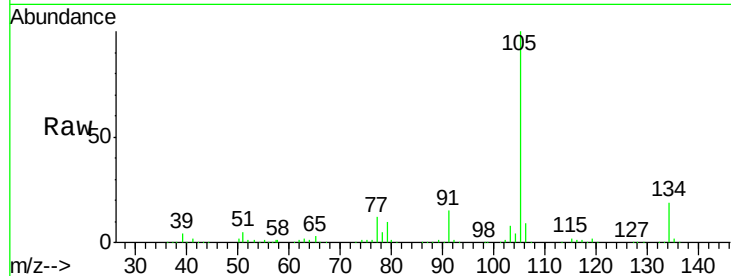
#85
 sec-Butylbenzene
 Concen: 19.315 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	29.8

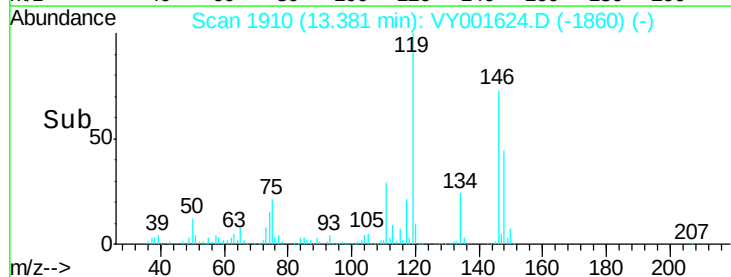
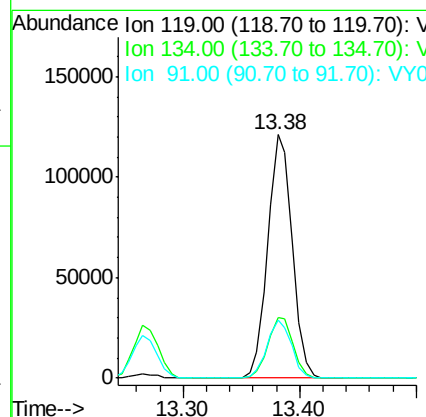
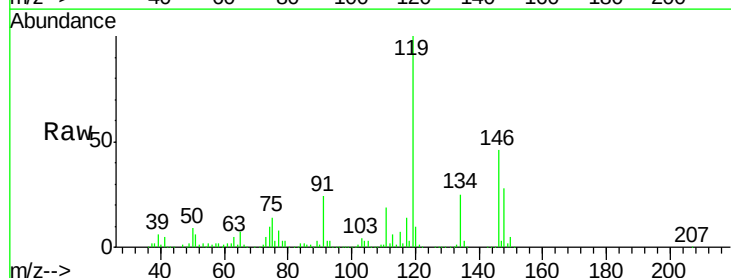
Manual Integrations
 APPROVED

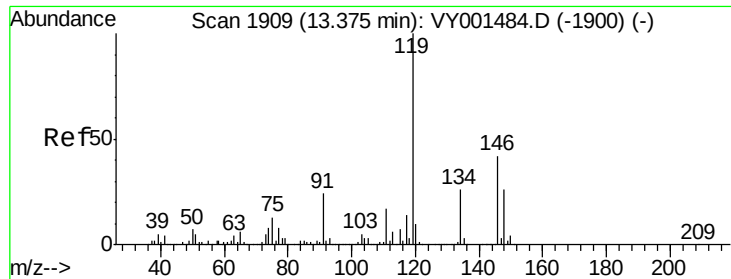
MMDadoda
 2/14/2020 5:06:07 PM



#86
 p-Isopropyltoluene
 Concen: 19.286 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.3	39.8
91	23.8	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 19.574 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

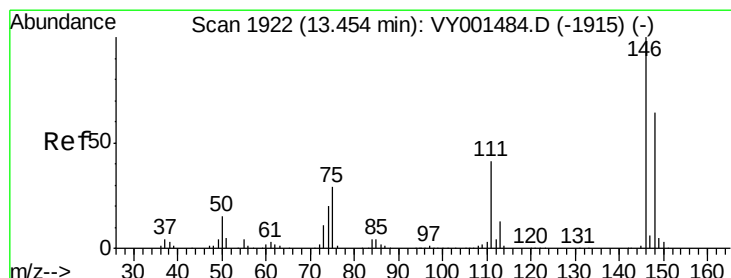
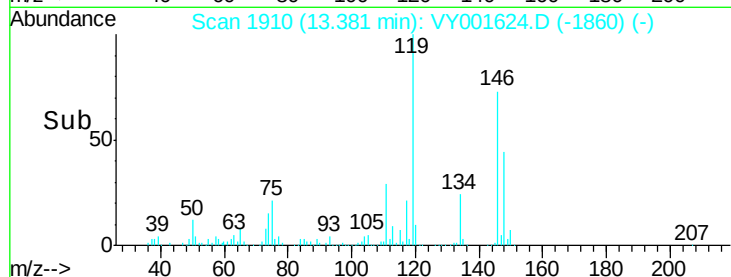
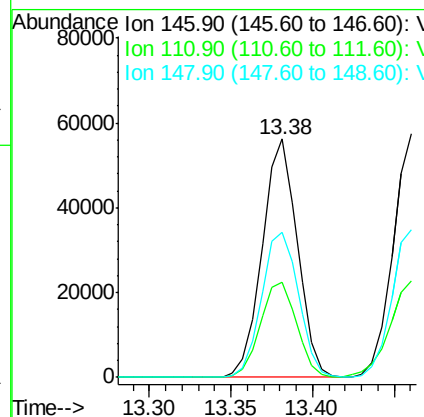
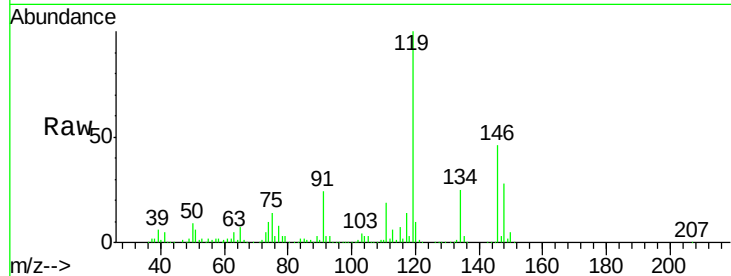
ClientSampleId :

VY0213SBS01

Tot Ion:	146	Resp:	84435
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.3	63.9
148	64.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#88

1,4-Dichlorobenzene

Concen: 19.678 ug/l

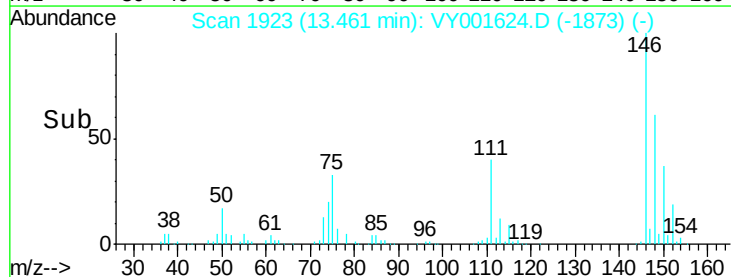
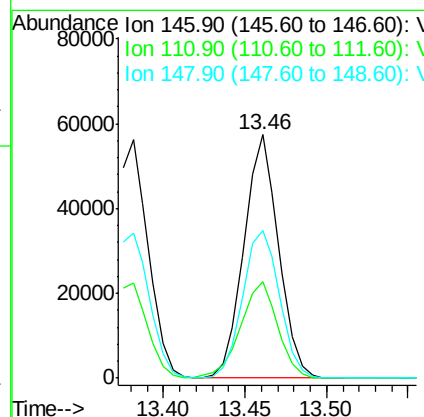
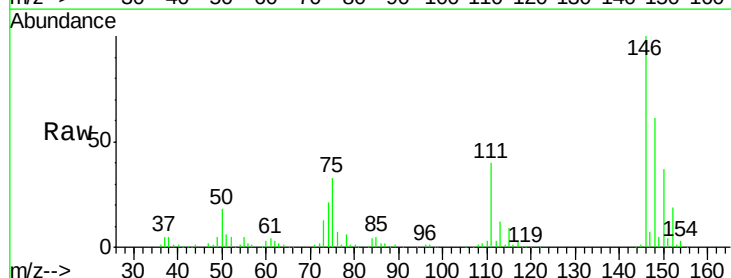
RT: 13.46 min Scan# 1923

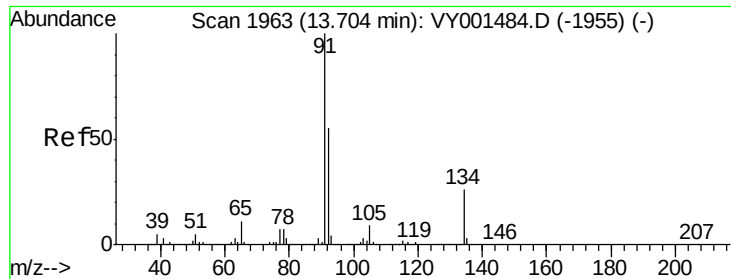
Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion:	146	Resp:	85039
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.7	62.1
148	64.5	32.1	96.5





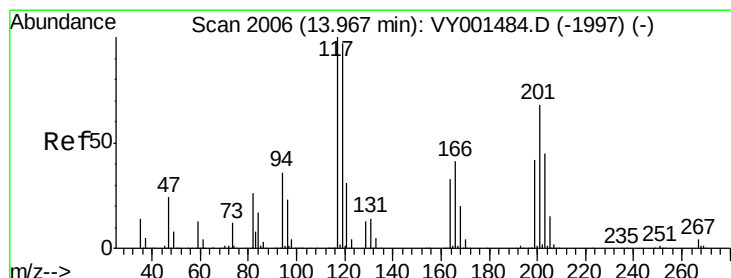
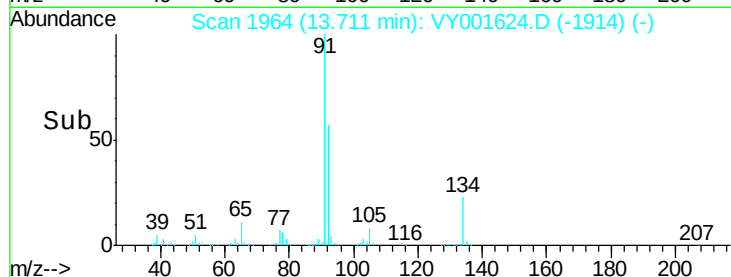
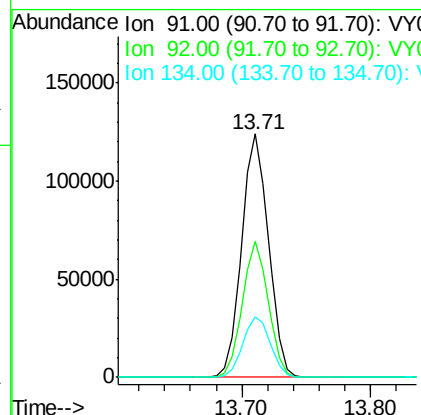
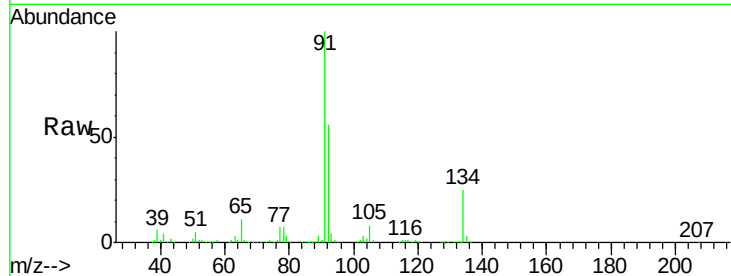
#89
n-Butylbenzene
Concen: 19.696 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	178270		
92	54.0		27.3	81.9
134	25.4		13.0	38.9

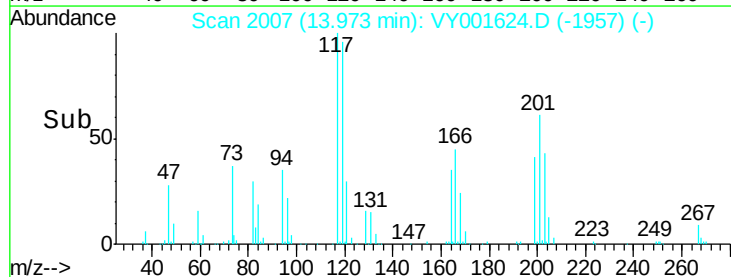
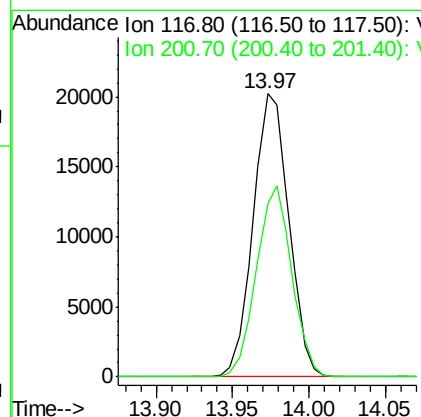
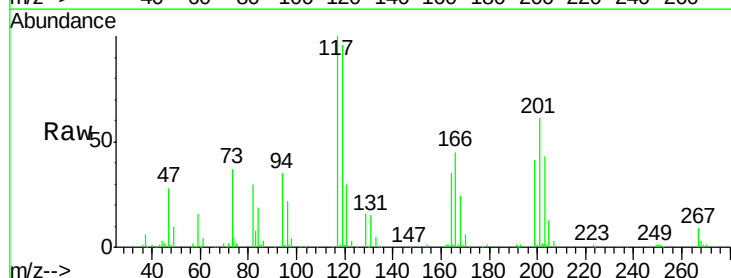
Manual Integrations
APPROVED

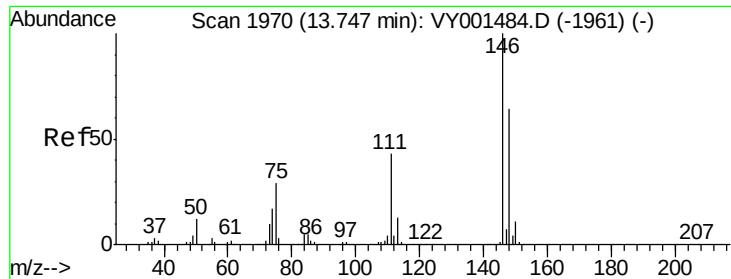
MMDadoda
2/14/2020 5:06:07 PM



#90
Hexachloroethane
Concen: 18.667 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32866		
201	66.9		34.1	102.3





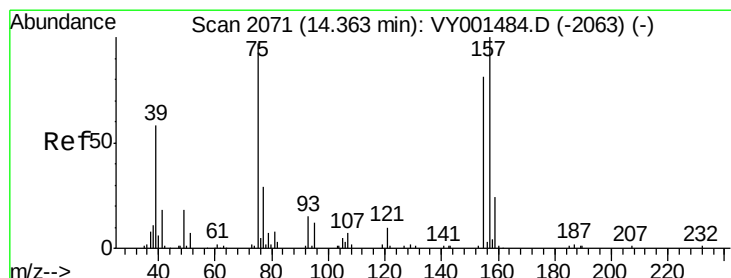
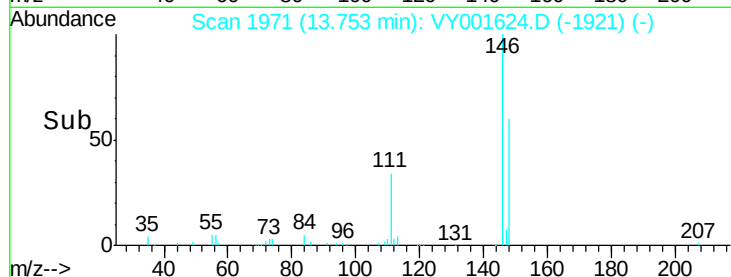
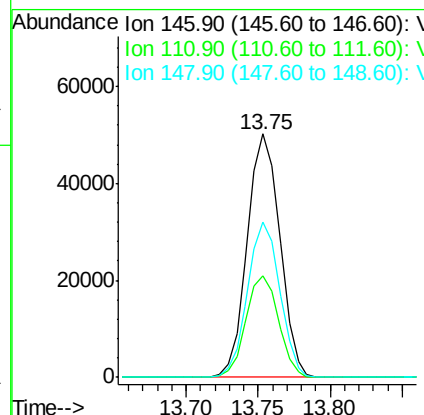
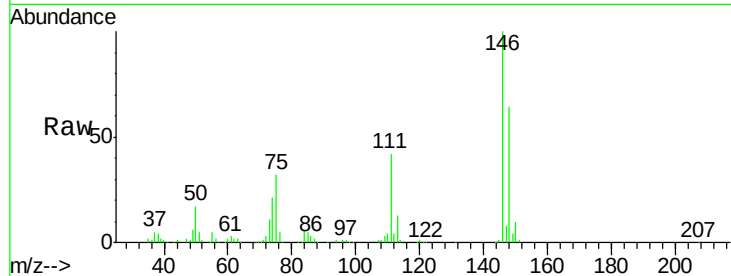
#91
 1,2-Dichlorobenzene
 Concen: 20.162 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.9	65.8
148	63.2	31.8	95.3

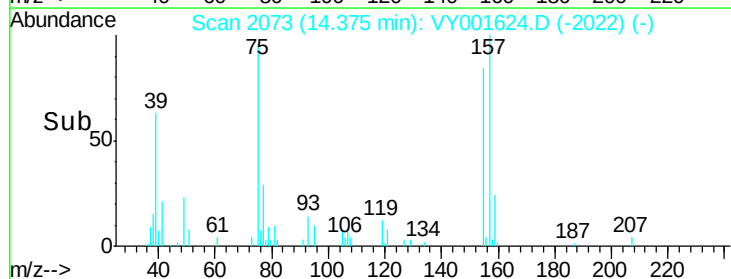
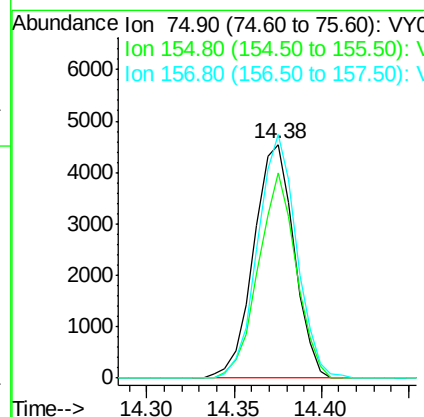
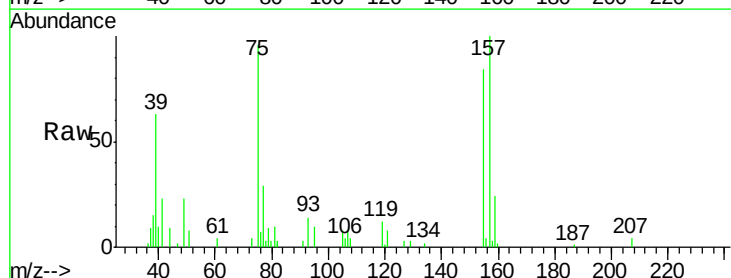
Manual Integrations
 APPROVED

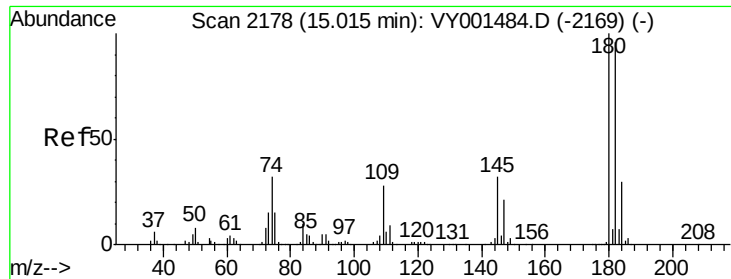
MMDadoda
 2/14/2020 5:06:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.973 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	40.7	122.1
157	100.3	52.3	157.1





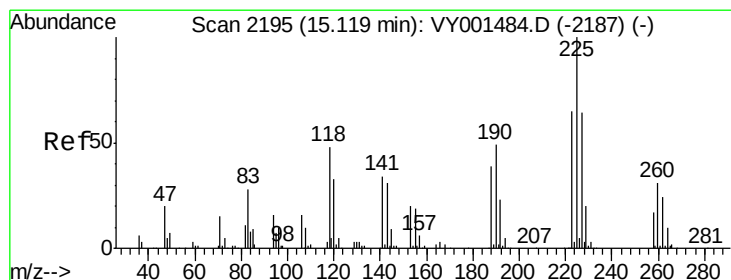
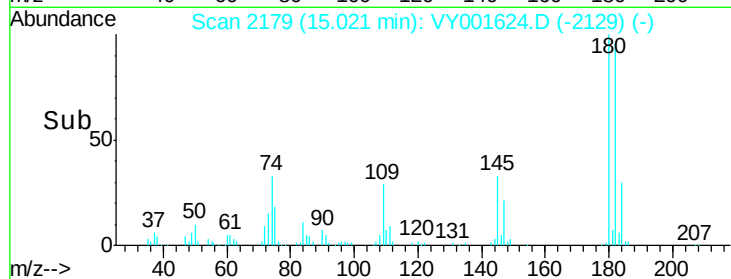
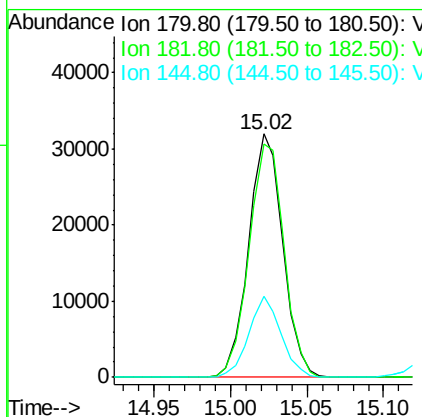
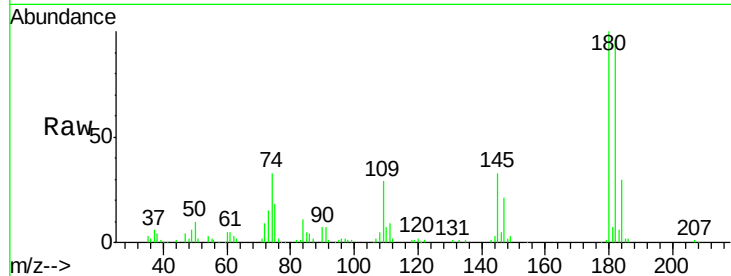
#93
1,2,4-Trichlorobenzene
Concen: 18.859 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	46.9	140.7
145	31.4	16.8	50.3

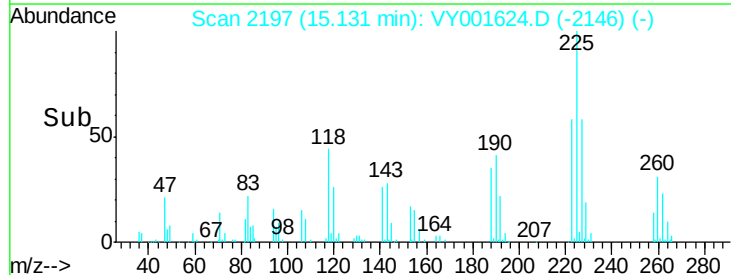
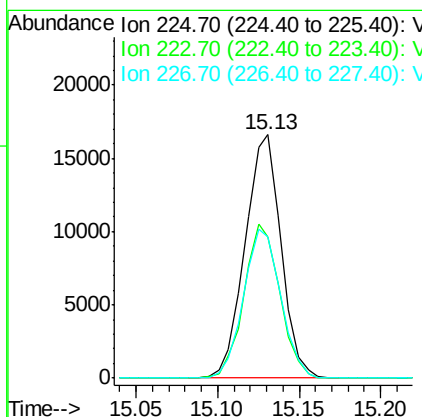
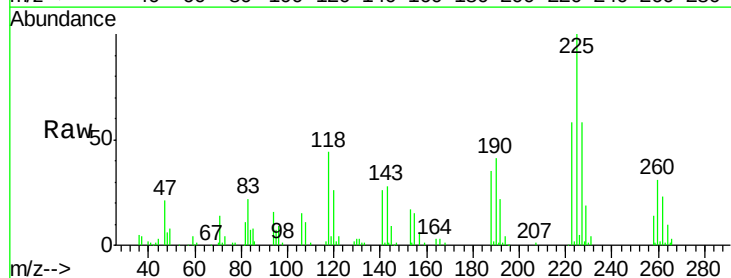
Manual Integrations
APPROVED

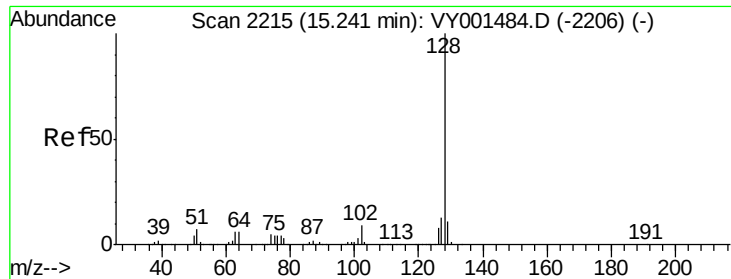
MMDadoda
2/14/2020 5:06:07 PM



#94
Hexachlorobutadiene
Concen: 19.062 ug/l
RT: 15.13 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.2	32.6	97.7





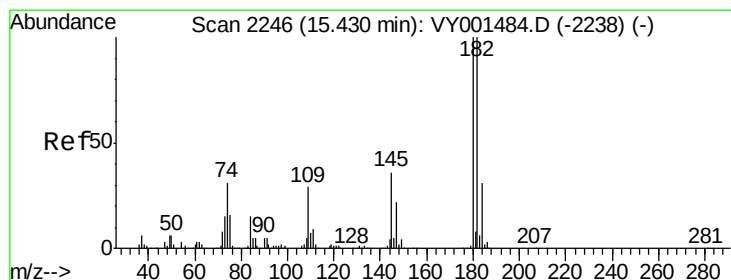
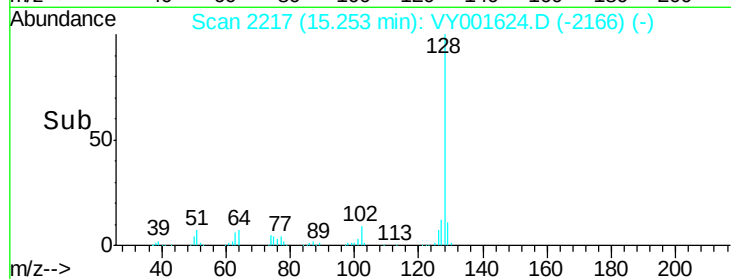
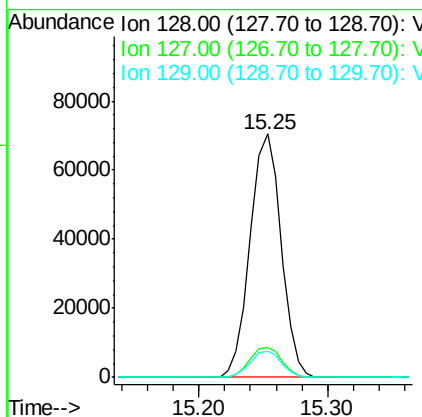
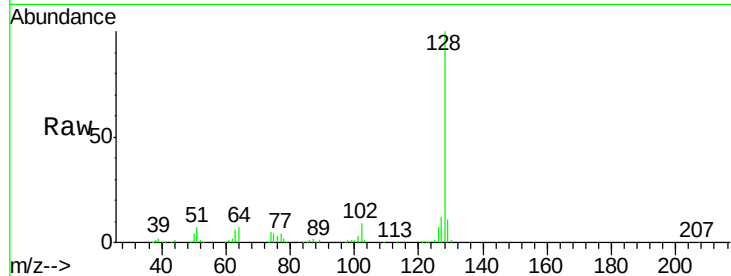
#95
Naphthalene
Concen: 18.900 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	117014		
127	12.8	10.1	15.1	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.206 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44660		
182	96.8	48.0	144.2	
145	33.6	17.8	53.5	

