

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015832.D
 Acq On : 22 Apr 2020 10:21
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:58:00 AM

Quant Time: Apr 22 12:06:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 11:43:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	975652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1475582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1370454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	754459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	56879	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
35) Dibromofluoromethane	5.47	113	43917	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
50) Toluene-d8	8.70	98	176886	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
62) 4-Bromofluorobenzene	11.12	95	73069	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	32761	4.154	ug/l	95
3) Chloromethane	1.31	50	40012	4.789	ug/l	100
4) Vinyl Chloride	1.39	62	47452	4.820	ug/l	94
5) Bromomethane	1.62	94	18225	4.594	ug/l	97
6) Chloroethane	1.71	64	26717	4.732	ug/l	100
7) Trichlorofluoromethane	1.92	101	59668	4.806	ug/l	98
8) Diethyl Ether	2.17	74	26641	5.312	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	40223	4.783	ug/l	96
10) Methyl Iodide	2.49	142	45600	4.727	ug/l	98
11) Tert butyl alcohol	3.01	59	55631	25.322	ug/l	100
12) 1,1-Dichloroethene	2.36	96	42538	4.984	ug/l	95
13) Acrolein	2.27	56	38800	28.804	ug/l	99
14) Allyl chloride	2.71	41	89292	4.886	ug/l	94
15) Acrylonitrile	3.12	53	131701	25.350	ug/l	97
16) Acetone	2.42	43	124689	24.881	ug/l	96
17) Carbon Disulfide	2.55	76	150444	4.350	ug/l	98
18) Methyl Acetate	2.75	43	78163	4.915	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	152932	5.096	ug/l	97
20) Methylene Chloride	2.83	84	48675	4.895	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	48871	5.109	ug/l	97
22) Diisopropyl ether	3.83	45	168849	5.133	ug/l	90
23) Vinyl Acetate	3.79	43	723654	26.312	ug/l	99
24) 1,1-Dichloroethane	3.67	63	88358	5.211	ug/l	99
25) 2-Butanone	4.64	43	192417	25.397	ug/l	98
26) 2,2-Dichloropropane	4.55	77	76332	5.010	ug/l	92
27) cis-1,2-Dichloroethene	4.57	96	52627	4.917	ug/l	95
28) Bromochloromethane	4.98	49	47979	5.209	ug/l	97
29) Tetrahydrofuran	5.09	42	128562	25.549	ug/l	97
30) Chloroform	5.19	83	86593	5.013	ug/l	92
31) Cyclohexane	5.56	56	82604	5.010	ug/l	92
32) 1,1,1-Trichloroethane	5.47	97	79479	5.214	ug/l	98
36) 1,1-Dichloropropene	5.78	75	64211	4.958	ug/l	97
37) Ethyl Acetate	4.79	43	79508	5.105	ug/l #	97
38) Carbon Tetrachloride	5.76	117	64932	5.161	ug/l	93

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 11:43:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	80890	4.848	ug/l	99
40) Benzene	6.12	78	198964	5.017	ug/l	99
41) Methacrylonitrile	5.01	41	45024	6.122	ug/l #	96
42) 1,2-Dichloroethane	6.17	62	70700	4.959	ug/l	96
43) Isopropyl Acetate	6.42	43	133438	5.105	ug/l	98
44) Trichloroethene	7.19	130	70434	5.081	ug/l	97
45) 1,2-Dichloropropane	7.50	63	53983	5.239	ug/l	95
46) Dibromomethane	7.64	93	37526	4.839	ug/l	98
47) Bromodichloromethane	7.87	83	64595	4.923	ug/l	95
48) Methyl methacrylate	7.75	41	63370	4.979	ug/l	97
49) 1,4-Dioxane	7.72	88	23741	96.057	ug/l #	95
51) 4-Methyl-2-Pentanone	8.62	43	388606	25.644	ug/l	99
52) Toluene	8.77	92	127906	5.025	ug/l	96
53) t-1,3-Dichloropropene	9.03	75	81378	4.978	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	88112	5.057	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	51643	5.264	ug/l	96
56) Ethyl methacrylate	9.16	69	82353	5.008	ug/l	97
57) 1,3-Dichloropropane	9.36	76	86136	5.043	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.29	63	215569	25.972	ug/l	99
59) 2-Hexanone	9.47	43	299289	26.184	ug/l	98
60) Dibromochloromethane	9.57	129	47000	4.898	ug/l	99
61) 1,2-Dibromoethane	9.65	107	55144	5.035	ug/l	99
64) Tetrachloroethene	9.32	164	99519	5.182	ug/l	92
65) Chlorobenzene	10.12	112	141466	5.112	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.20	131	49429	4.869	ug/l	96
67) Ethyl Benzene	10.23	91	247667	5.060	ug/l	97
68) m/p-Xylenes	10.34	106	186420	10.190	ug/l	99
69) o-Xylene	10.68	106	89649	4.992	ug/l	98
70) Styrene	10.70	104	157436	5.100	ug/l	98
71) Bromoform	10.84	173	28917	4.949	ug/l #	98
73) Isopropylbenzene	11.00	105	243244	5.044	ug/l	99
74) N-amyl acetate	10.88	43	123017	5.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	51435	5.176	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	73484m	4.221	ug/l	
77) Bromobenzene	11.24	156	67064	5.131	ug/l	99
78) n-propylbenzene	11.34	91	277679	5.020	ug/l	97
79) 2-Chlorotoluene	11.40	91	166151	5.046	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	207659	5.095	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	27647	4.970	ug/l #	94
82) 4-Chlorotoluene	11.49	91	198633	5.059	ug/l	100
83) tert-Butylbenzene	11.76	119	184572	5.092	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	210096	4.958	ug/l	99
85) sec-Butylbenzene	11.93	105	244052	5.097	ug/l	97
86) p-Isopropyltoluene	12.05	119	224391	5.035	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	120592	5.012	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	122132	5.094	ug/l	96
89) n-Butylbenzene	12.37	91	197439	4.971	ug/l	99
90) Hexachloroethane	12.58	117	17649	4.492	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	115632	5.097	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	14589	5.111	ug/l	96

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC005

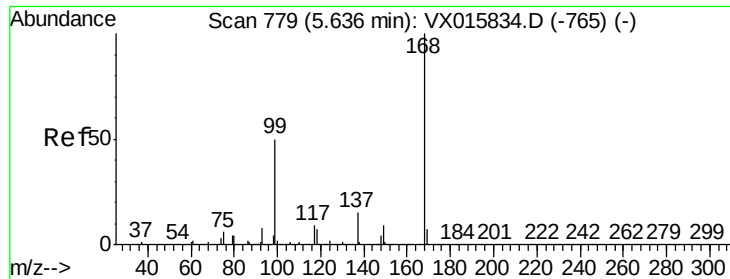
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	92196	5.147	ug/l	97
94) Hexachlorobutadiene	13.77	225	40229	5.048	ug/l	98
95) Naphthalene	13.82	128	254454	4.950	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	84032	4.851	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 975652

Ion Ratio Lower Upper

168 100

99 50.8

40.3

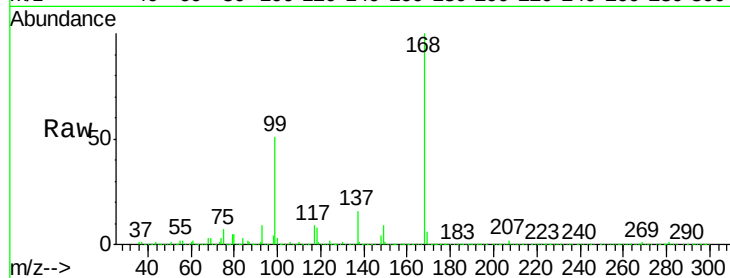
60.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

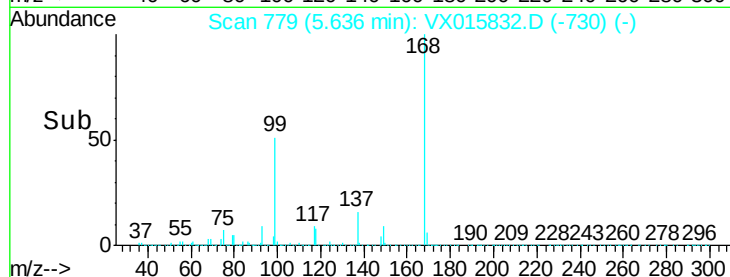
300000

200000

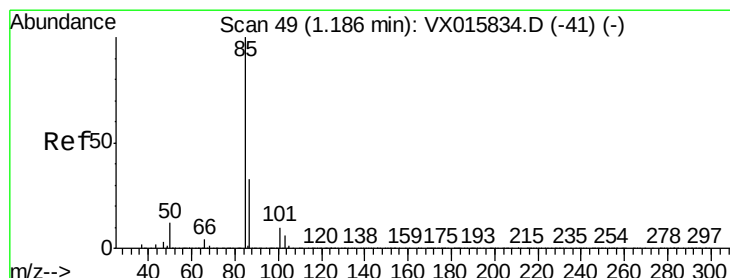
100000

0

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: 4.154 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion: 85 Resp: 32761

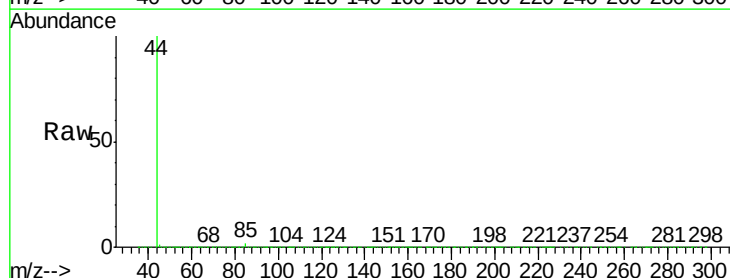
Ion Ratio Lower Upper

85 100

87 30.0

16.4

49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

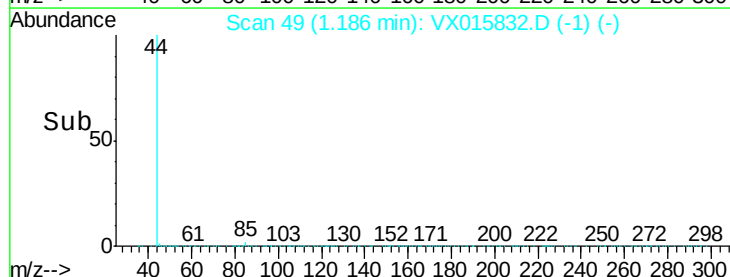
30000

20000

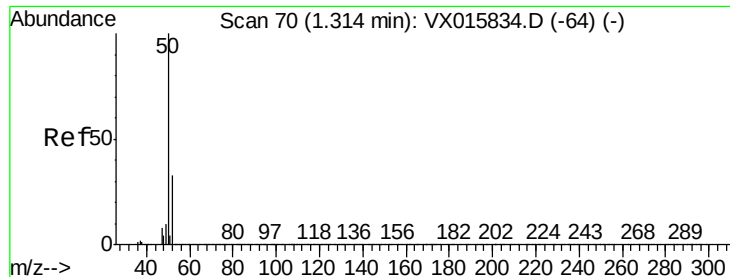
10000

0

1.15 1.20 1.25



Time-->



#3

Chloromethane

Concen: 4.789 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 40012

Ion Ratio Lower Upper

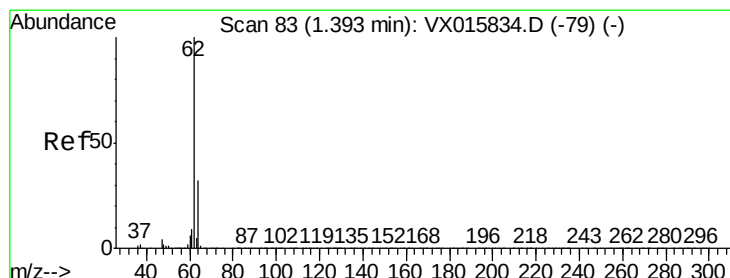
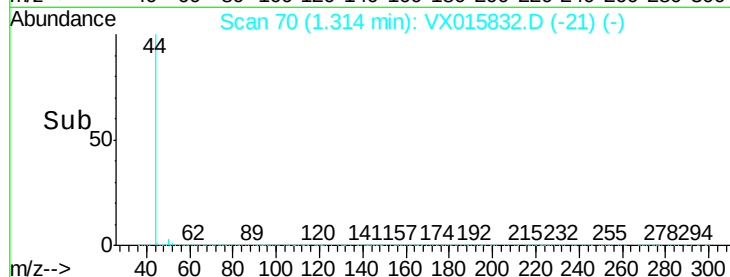
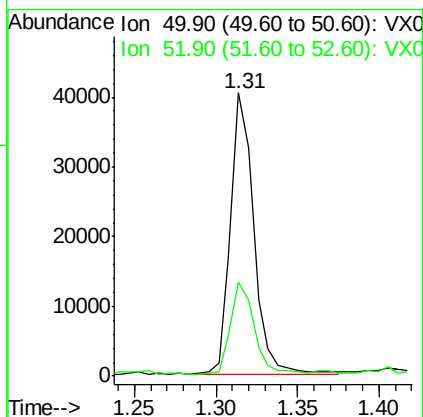
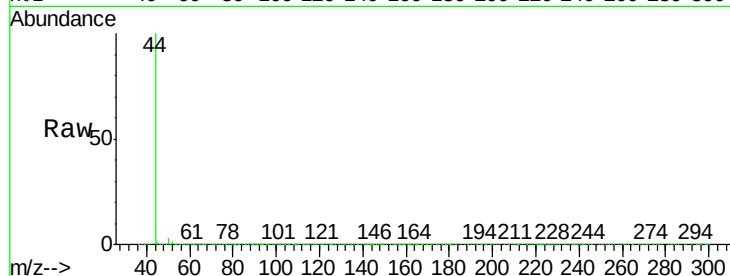
50 100

52 32.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 4.820 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015832.D

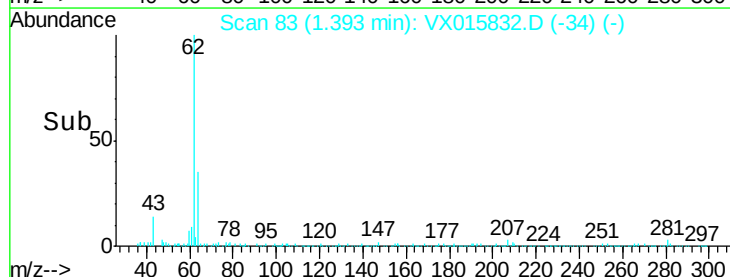
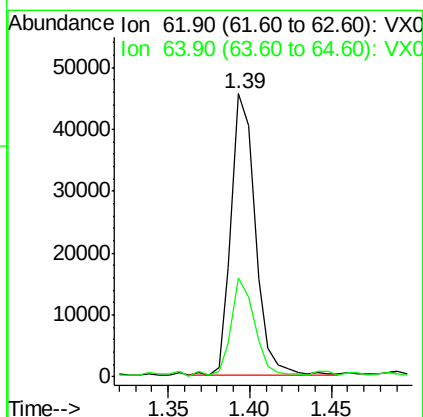
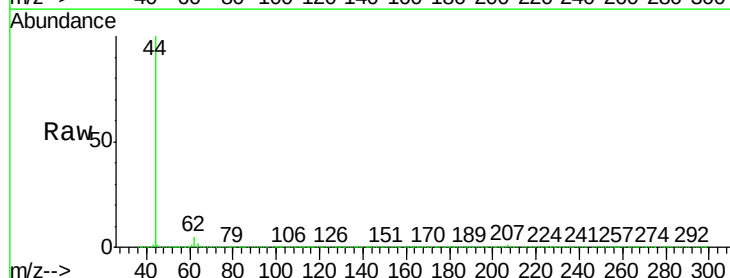
Acq: 22 Apr 2020 10:21

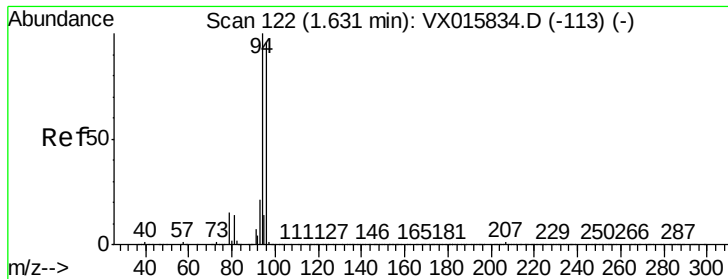
Tgt Ion: 62 Resp: 47452

Ion Ratio Lower Upper

62 100

64 35.1 25.4 38.2





#5

Bromomethane

Concen: 4.594 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18225

Ion Ratio Lower Upper

94 100

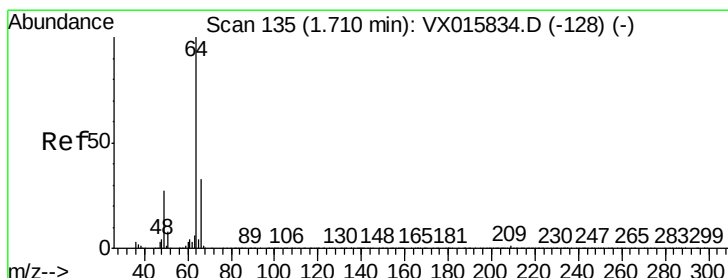
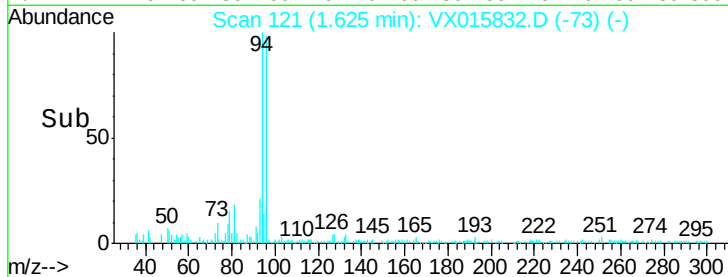
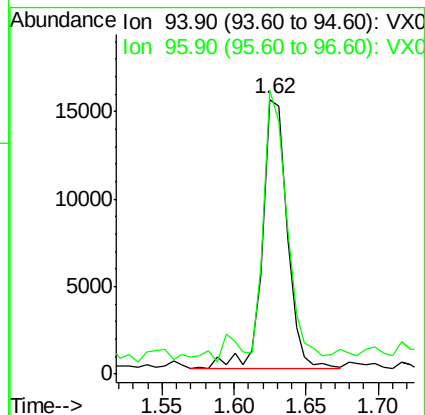
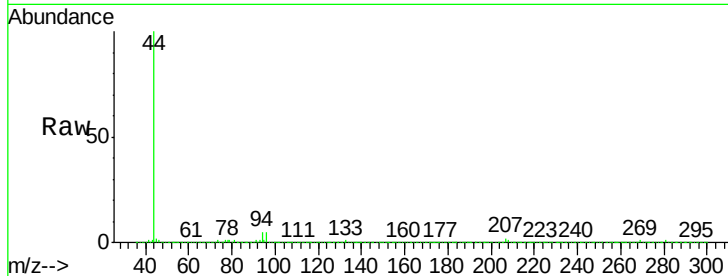
96 99.0 76.7 115.1

Manual Integrations

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4/23/2020 11:58:00 AM



#6

Chloroethane

Concen: 4.732 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX015832.D

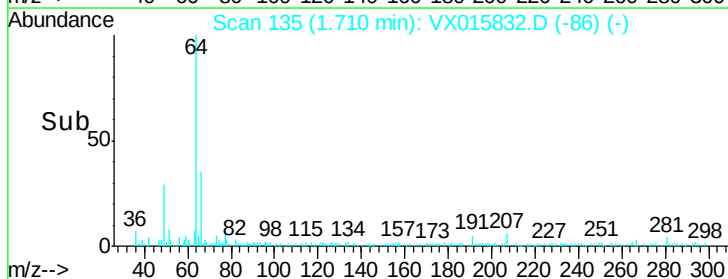
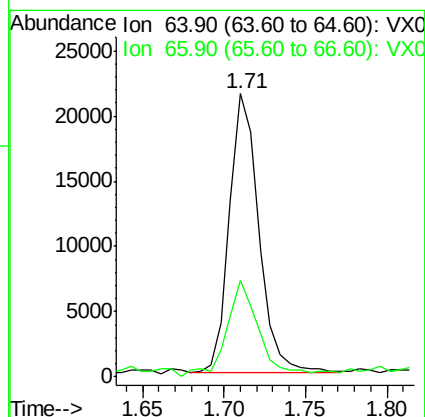
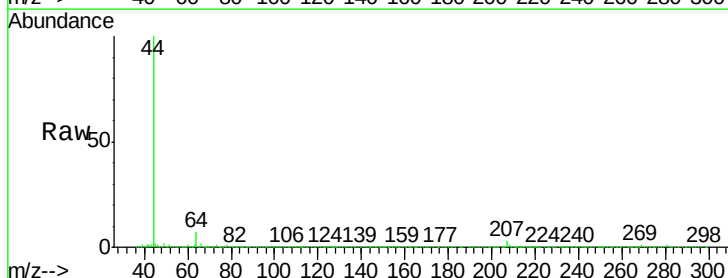
Acq: 22 Apr 2020 10:21

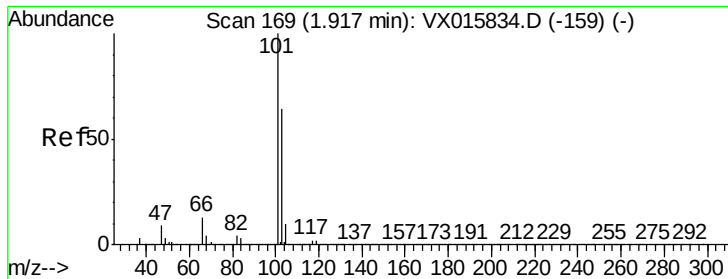
Tgt Ion: 64 Resp: 26717

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2





#7

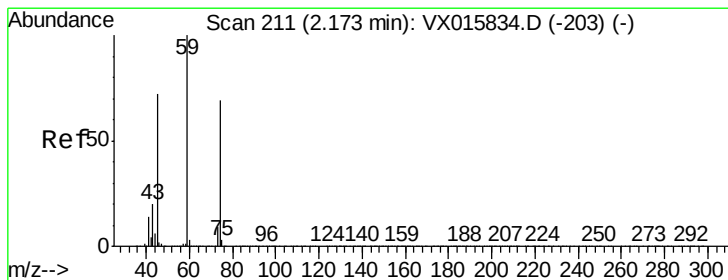
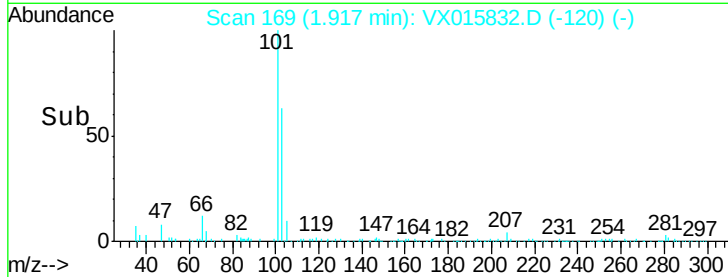
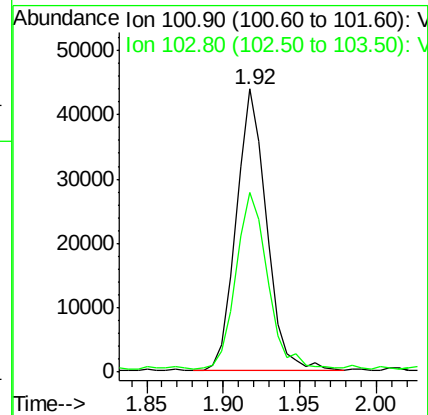
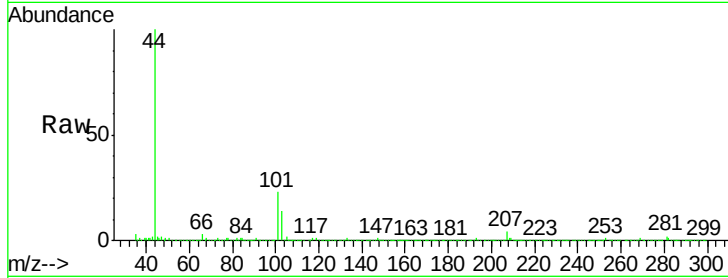
Trichlorofluoromethane
Concen: 4.806 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.0

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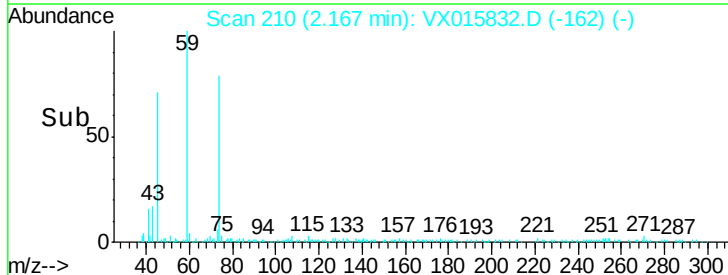
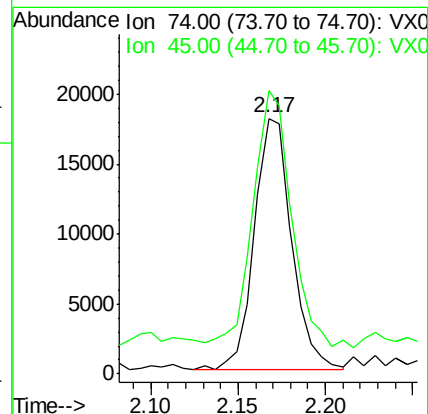
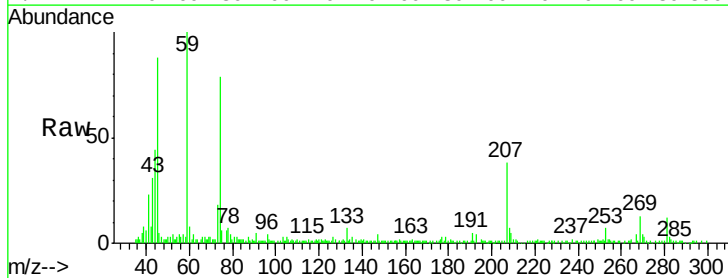
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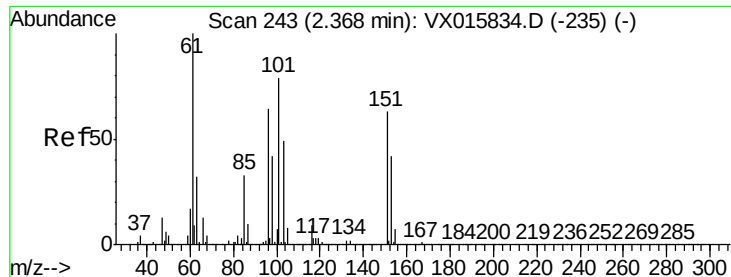


#8

Diethyl Ether
Concen: 5.312 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.783 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

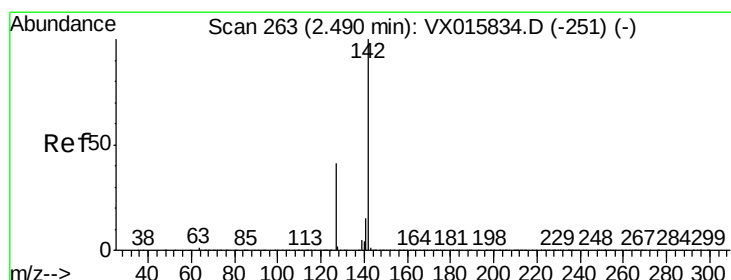
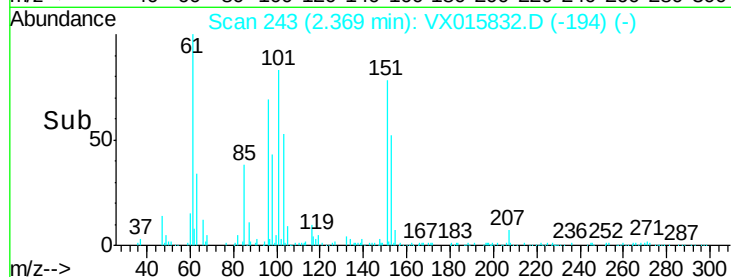
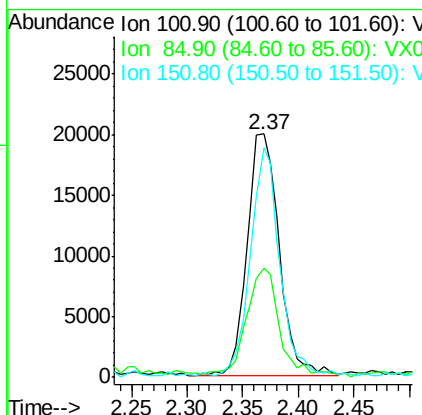
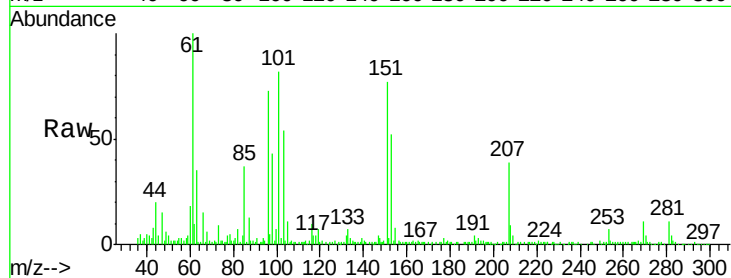
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	40223
Ion Ratio	Lower	Upper	
101	100		
85	47.9	33.8	50.6
151	86.7	67.8	101.6

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4/23/2020 11:58:00 AM



#10

Methyl Iodide

Concen: 4.727 ug/l

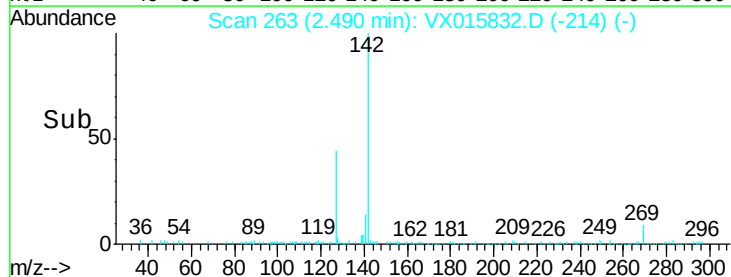
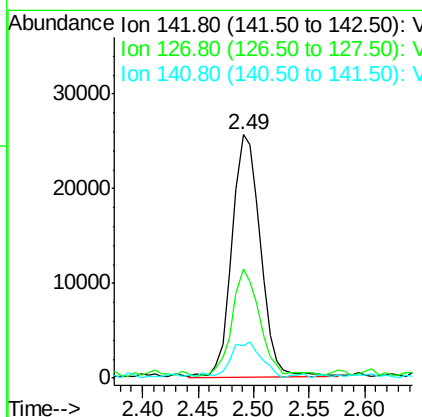
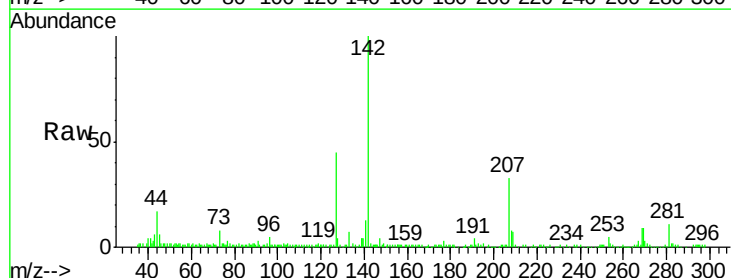
RT: 2.49 min Scan# 263

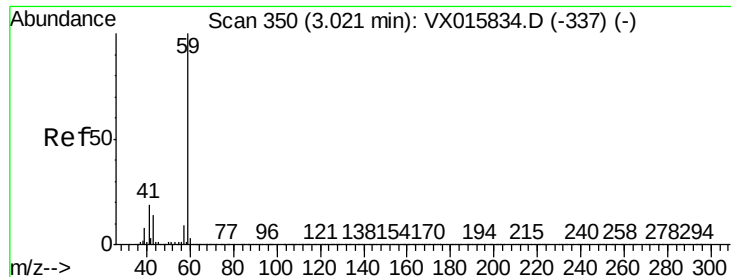
Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion:	142	Resp:	45600
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.3	49.9
141	16.6	11.8	17.6





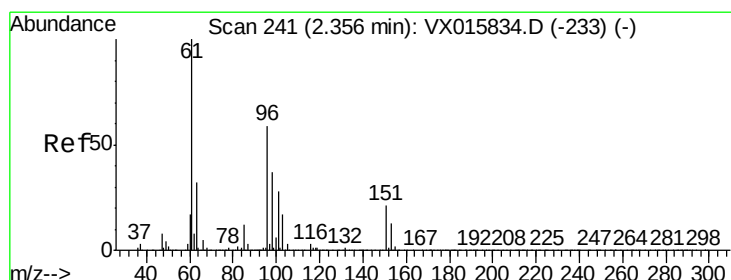
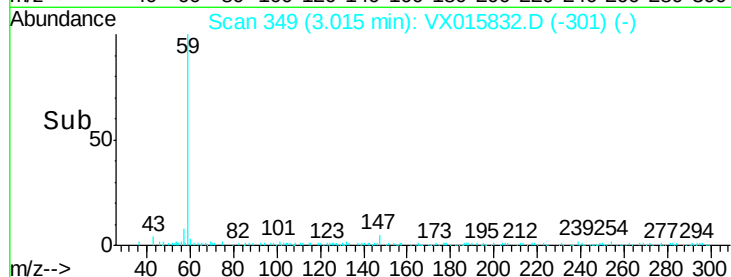
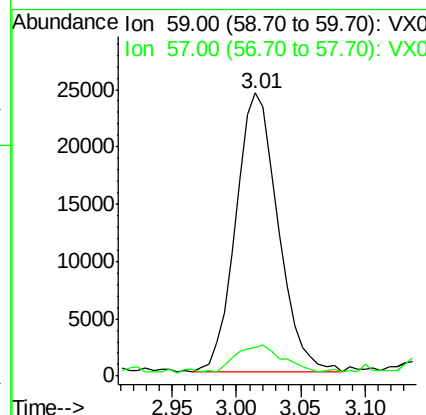
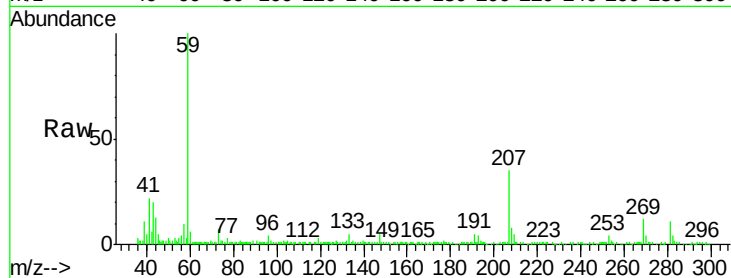
#11
Tert butyl alcohol
Concen: 25.322 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

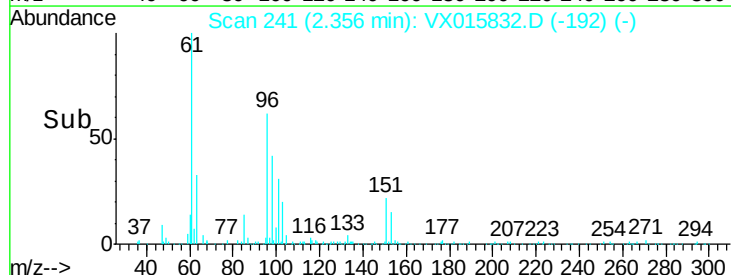
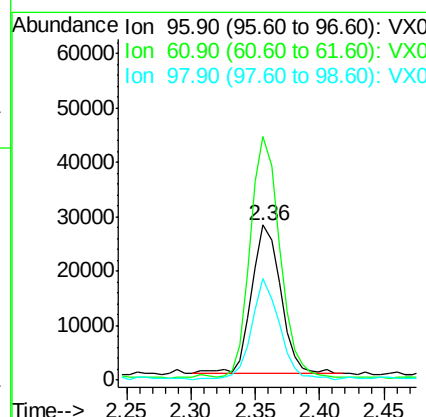
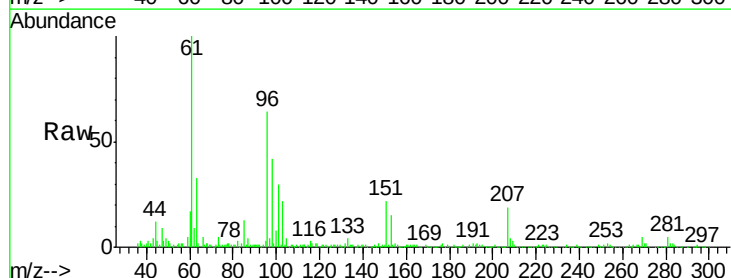
Manual Integrations
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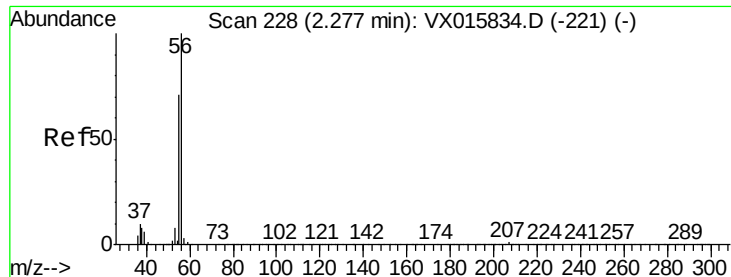
MMDadoda
4/23/2020 11:58:00 AM



#12
1,1-Dichloroethene
Concen: 4.984 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	135.0	202.6
98	68.0	50.6	76.0





#13

Acrolein

Concen: 28.804 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 38800

Ion Ratio Lower Upper

56 100

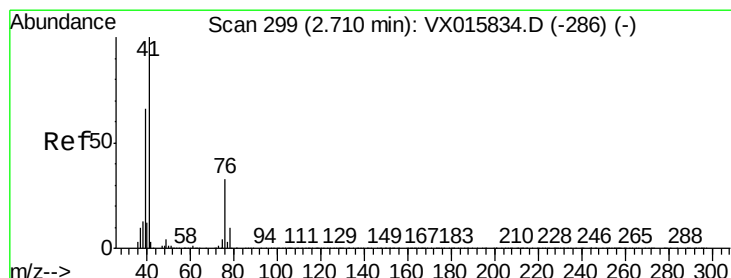
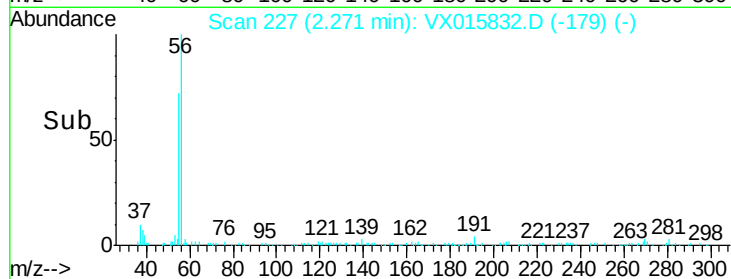
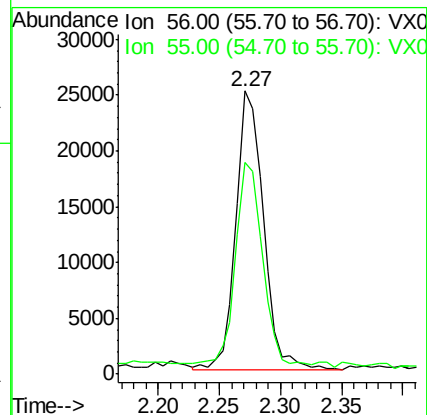
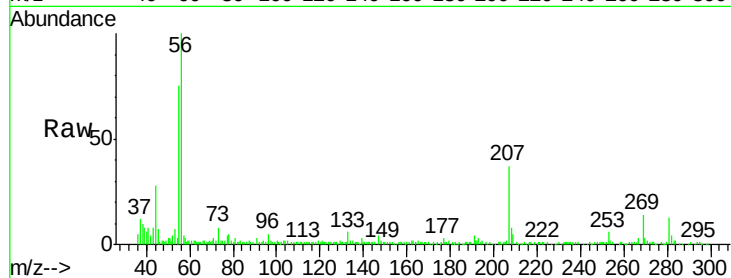
55 69.2 56.1 84.1

Manual Integrations

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4/23/2020 11:58:00 AM



#14

Allyl chloride

Concen: 4.886 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

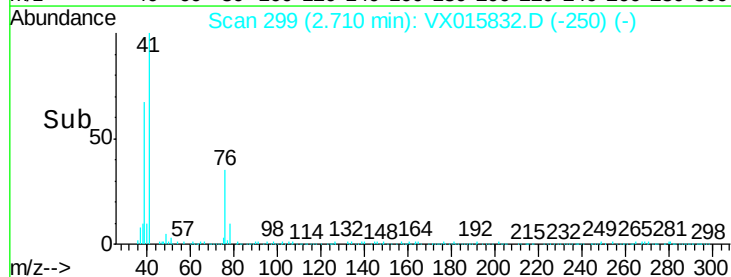
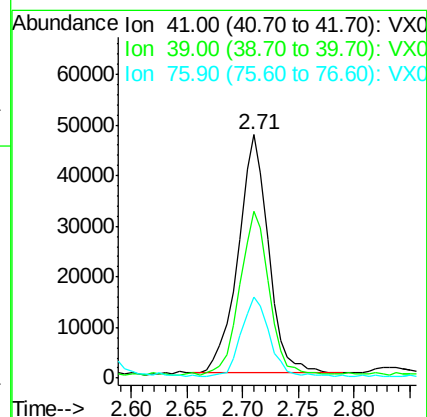
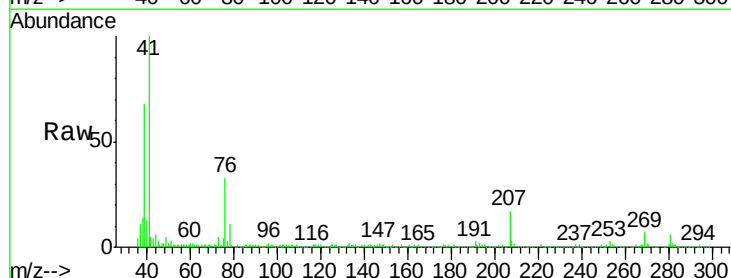
Tgt Ion: 41 Resp: 89292

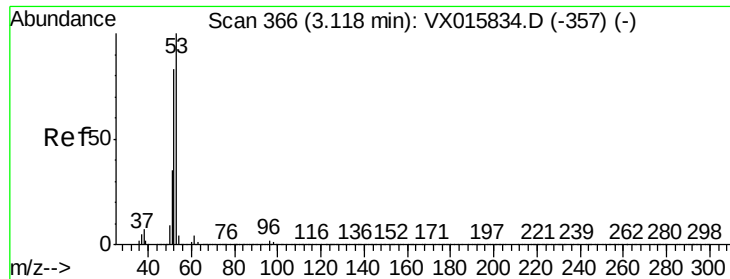
Ion Ratio Lower Upper

41 100

39 66.4 48.4 72.6

76 31.4 23.8 35.8





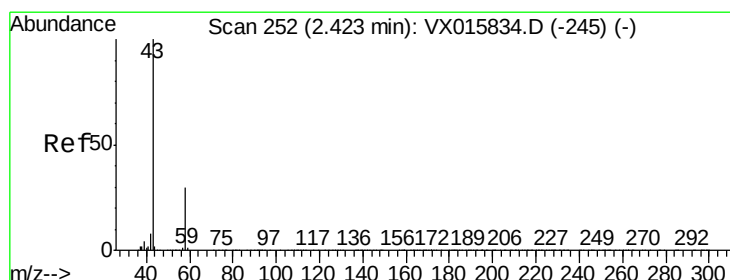
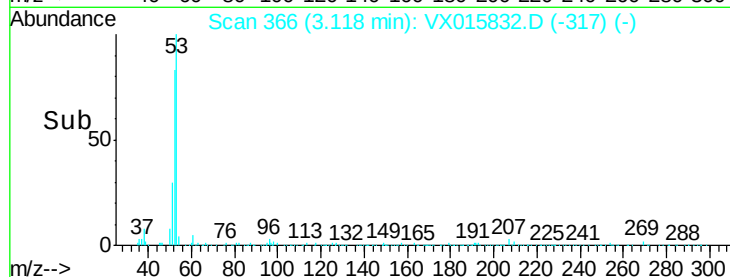
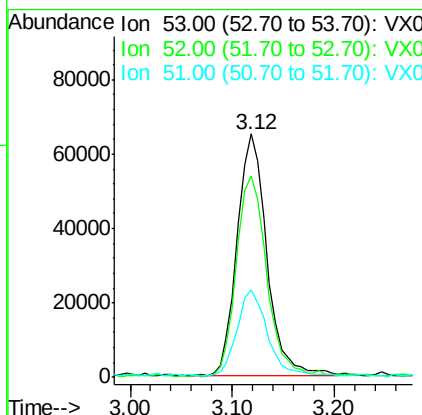
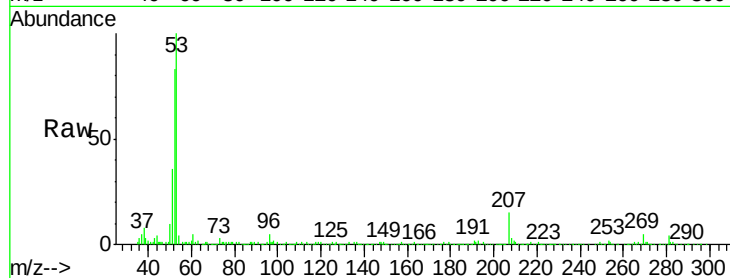
#15
 Acrylonitrile
 Concen: 25.350 ug/l
 RT: 3.12 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	131701
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.2	99.4
51	37.0	28.6	43.0

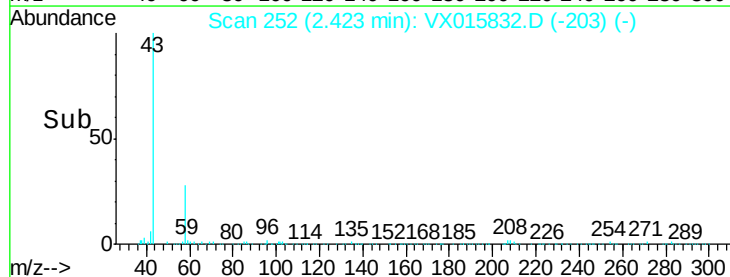
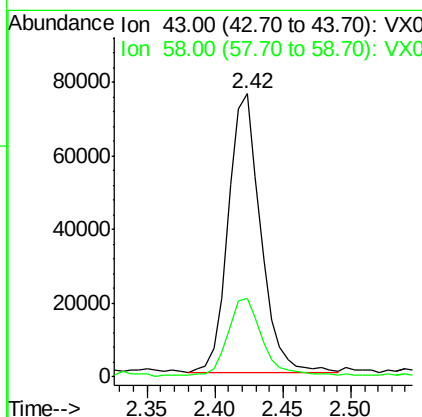
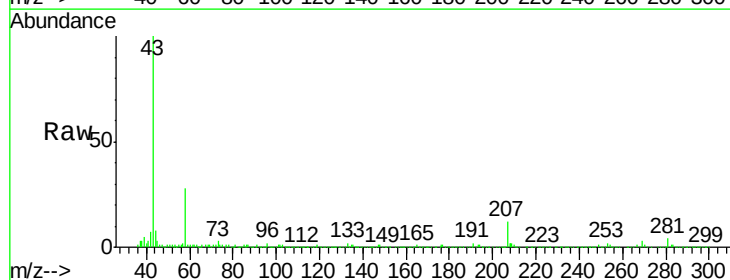
Manual Integrations
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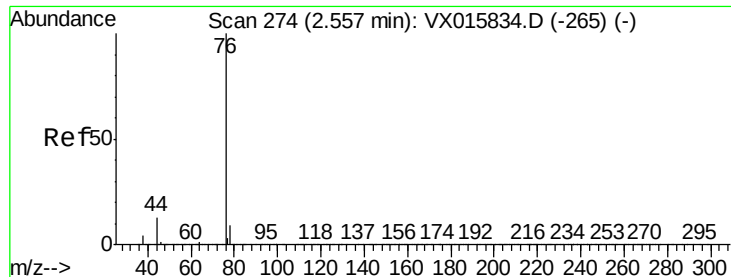
MMDadoda
 4/23/2020 11:58:00 AM



#16
 Acetone
 Concen: 24.881 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion:	43	Resp:	124689
Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.0	36.0





#17

Carbon Disulfide

Concen: 4.350 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 150444

Ion Ratio Lower Upper

76 100

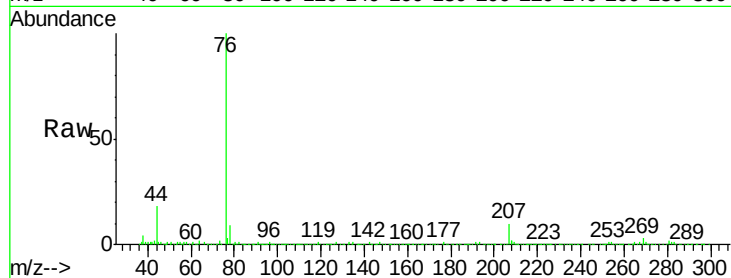
78 8.5 7.4 11.2

Manual Integrations

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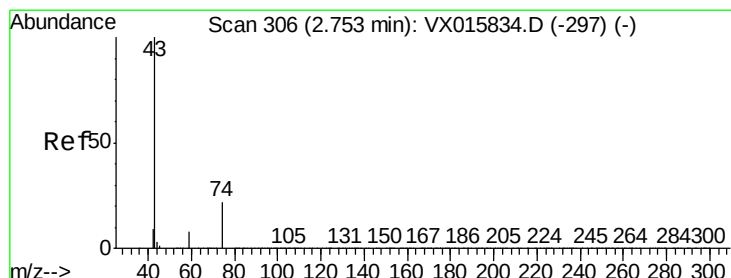
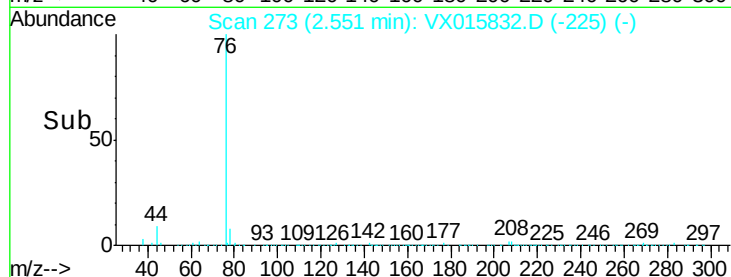
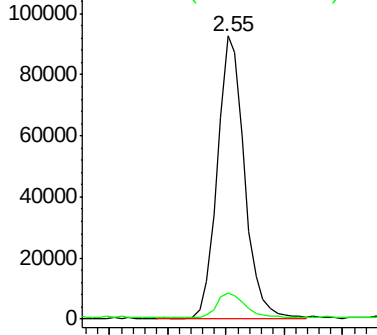
MMDadoda

4/23/2020 11:58:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.915 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015832.D

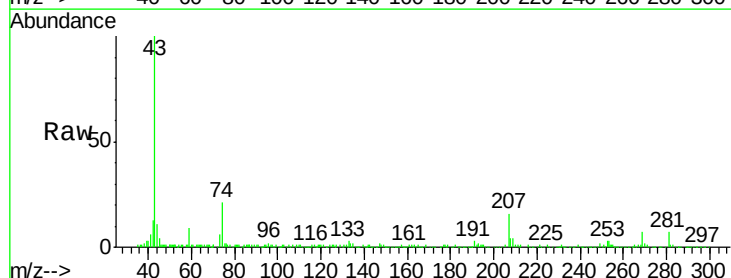
Acq: 22 Apr 2020 10:21

Tgt Ion: 43 Resp: 78163

Ion Ratio Lower Upper

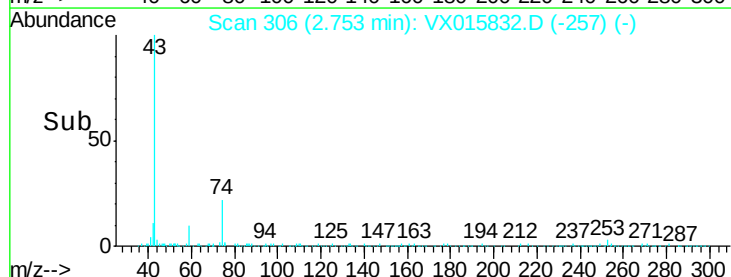
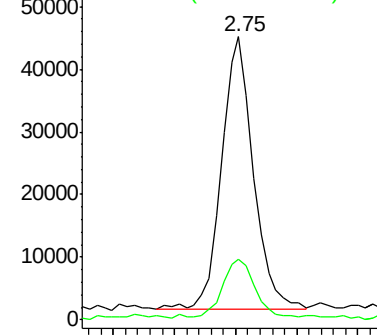
43 100

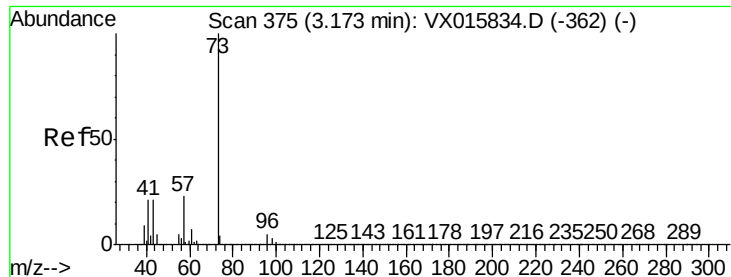
74 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





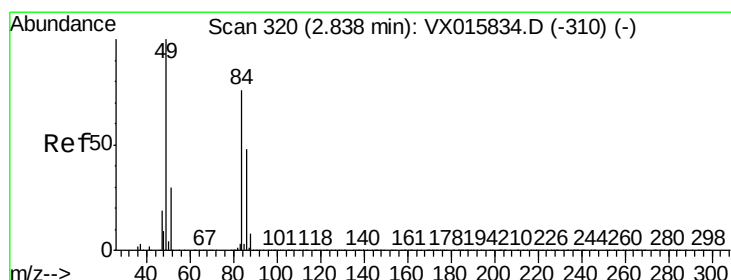
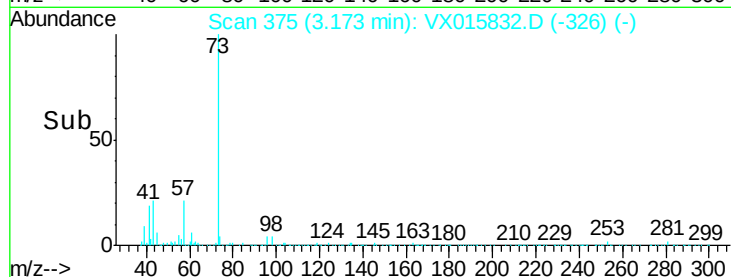
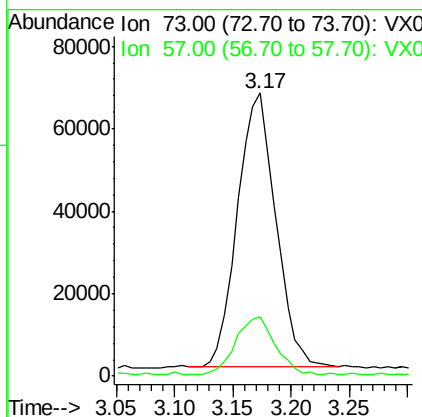
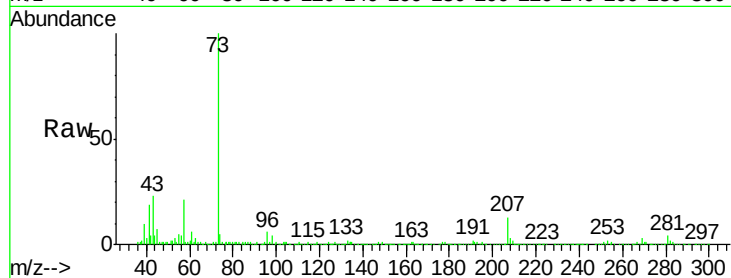
#19
Methyl tert-butyl Ether
Concen: 5.096 ug/l
RT: 3.17 min Scan# 375
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.1	27.1

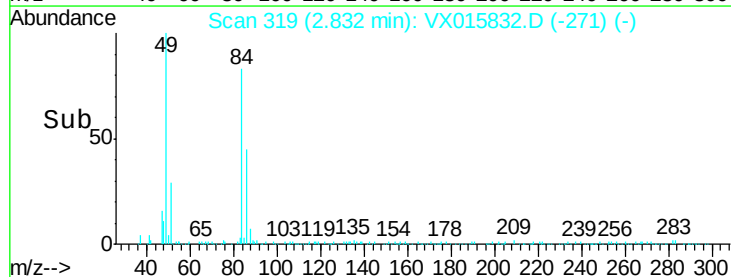
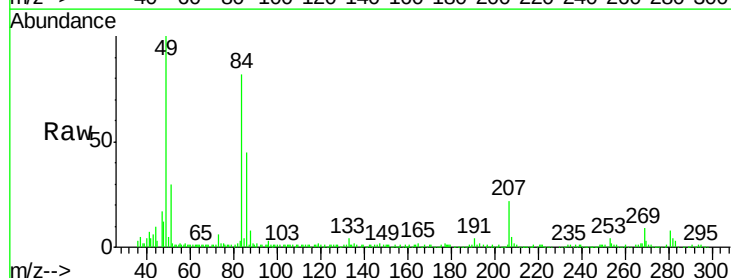
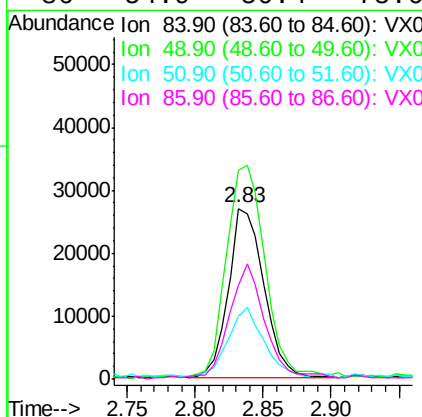
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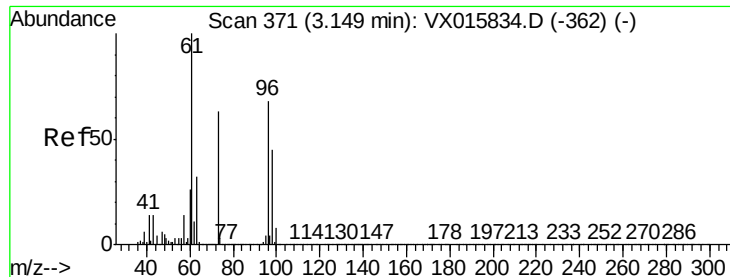
MMDadoda
4/23/2020 11:58:00 AM



#20
Methylene Chloride
Concen: 4.895 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	104.9	157.3
51	36.2	32.0	48.0
86	54.9	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 5.109 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

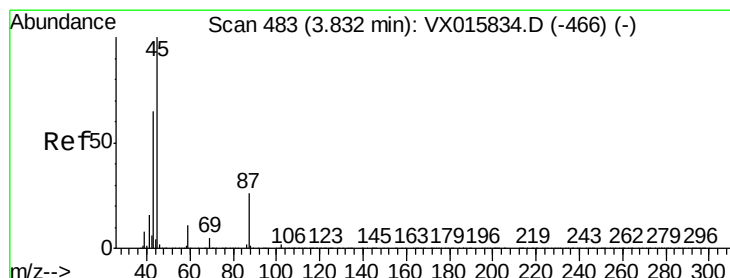
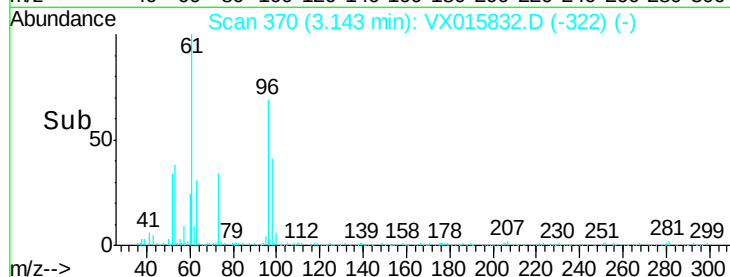
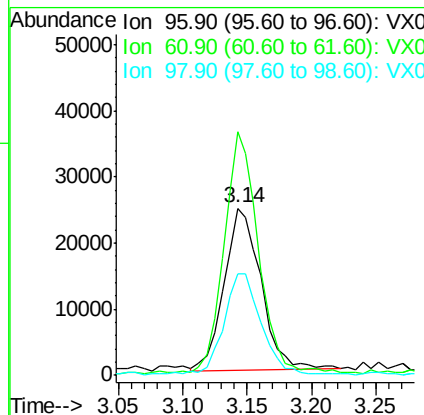
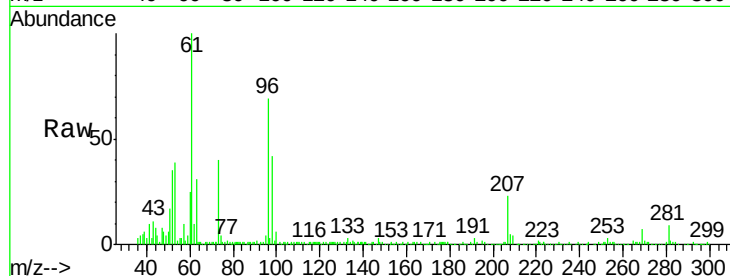
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	48871
Ion	Ratio	Lower	Upper
96	100		
61	150.0	117.5	176.3
98	62.3	52.7	79.1

Manual Integrations
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MMDadoda
4/23/2020 11:58:00 AM



#22

Diisopropyl ether

Concen: 5.133 ug/l

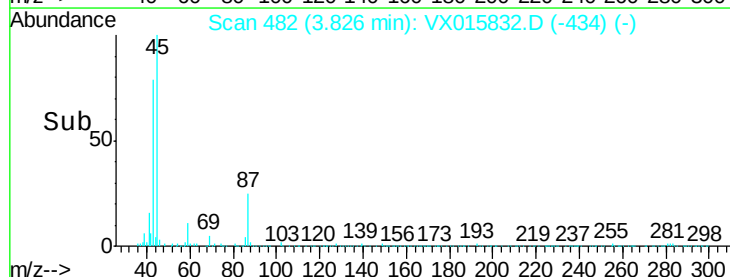
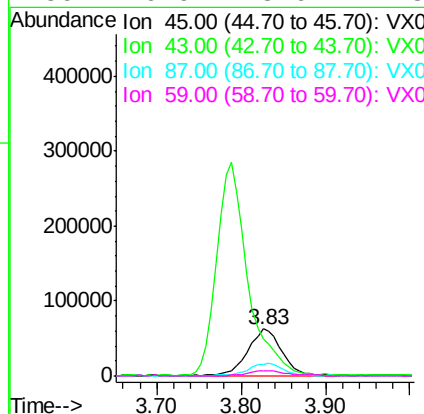
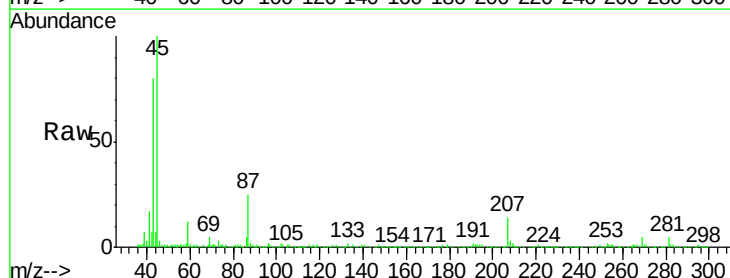
RT: 3.83 min Scan# 482

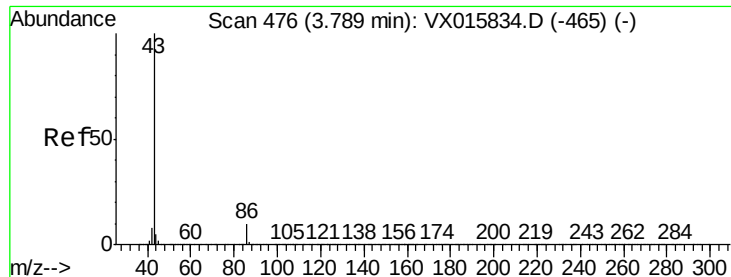
Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion:	45	Resp:	168849
Ion	Ratio	Lower	Upper
45	100		
43	77.2	52.4	78.6
87	24.8	20.7	31.1
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 26.312 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 723654

Ion Ratio Lower Upper

43 100

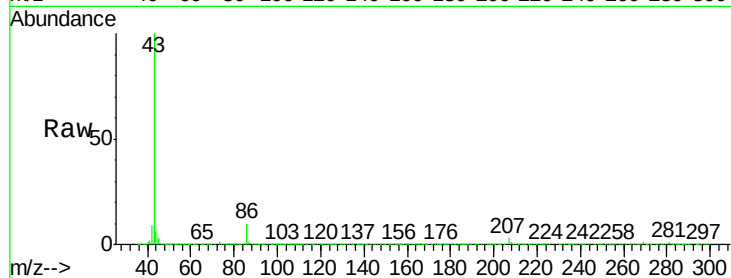
86 9.5 8.0 12.0

Manual Integrations

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4/23/2020 11:58:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

300000

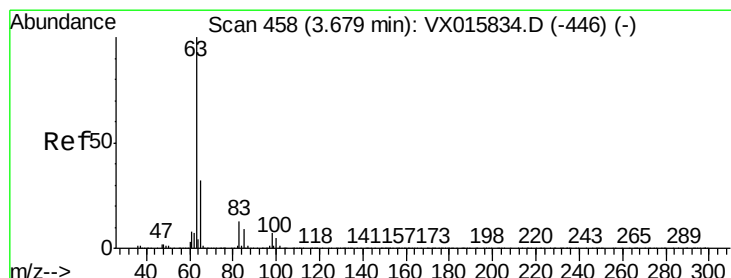
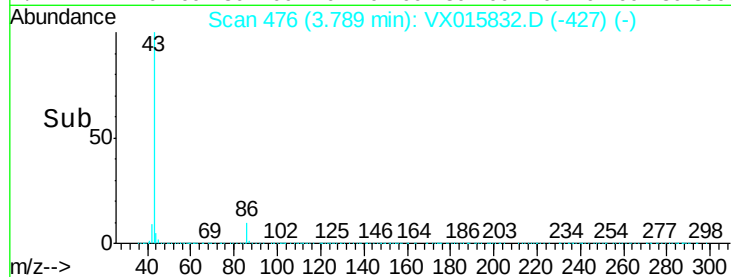
200000

100000

0

3.70 3.80 3.90

Time-->



#24

1,1-Dichloroethane

Concen: 5.211 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

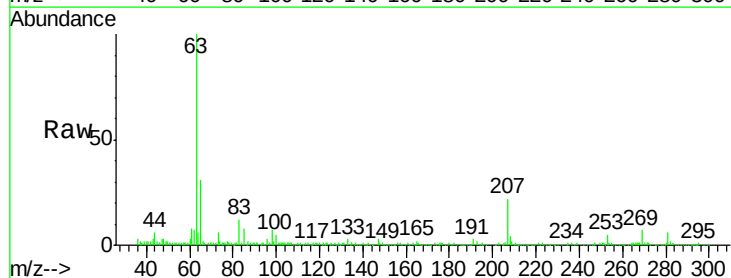
Tgt Ion: 63 Resp: 88358

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.67

50000

40000

30000

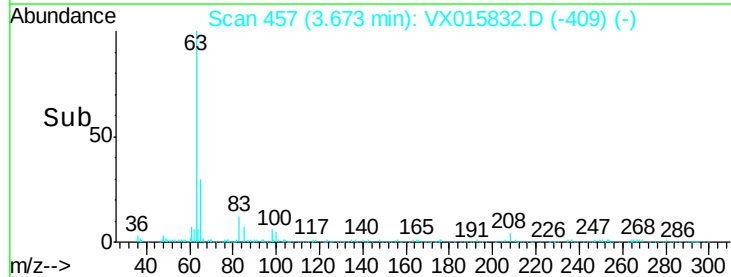
20000

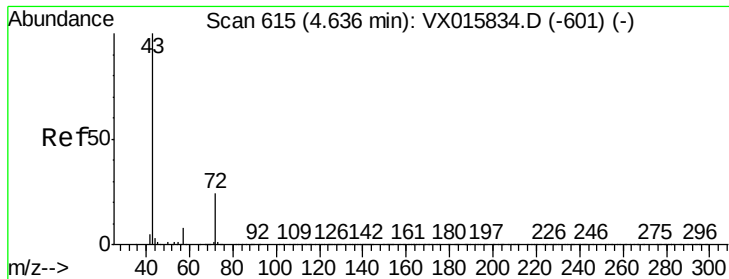
10000

0

3.60 3.65 3.70 3.75

Time-->





#25

2-Butanone

Concen: 25.397 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 192417

Ion Ratio Lower Upper

43 100

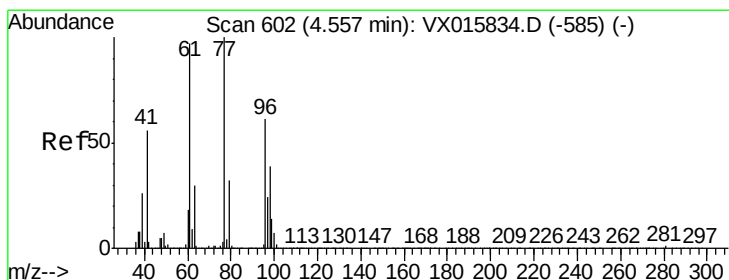
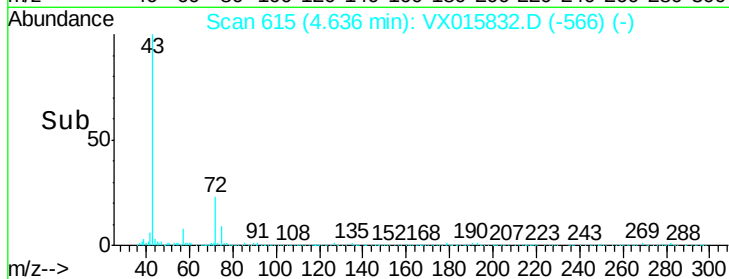
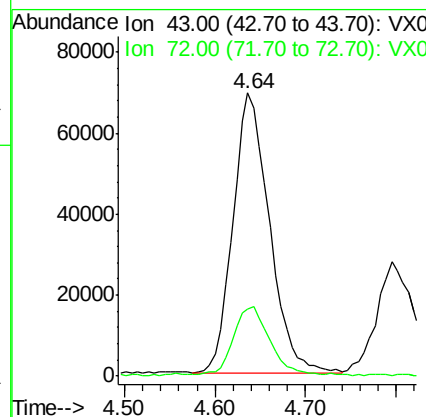
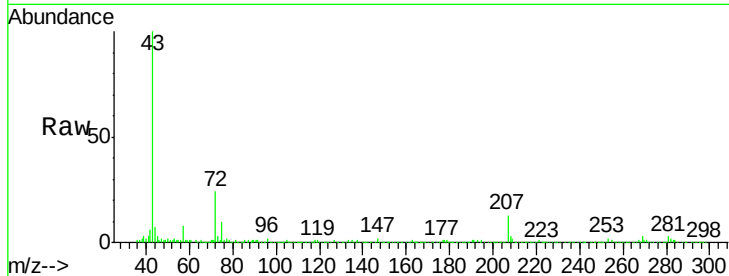
72 23.2 19.4 29.2

Manual Integrations

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MMDadoda

4/23/2020 11:58:00 AM



#26

2,2-Dichloropropane

Concen: 5.010 ug/l

RT: 4.55 min Scan# 601

Delta R.T. -0.01 min

Lab File: VX015832.D

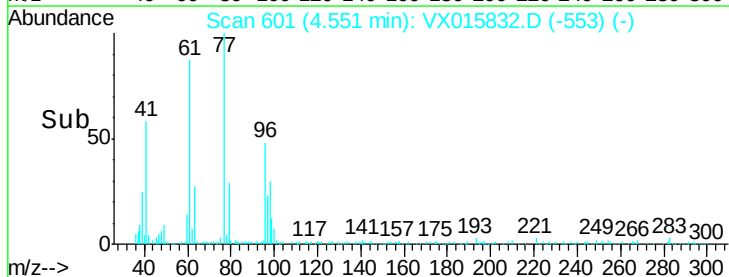
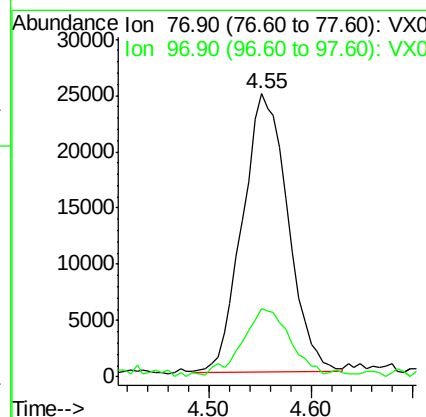
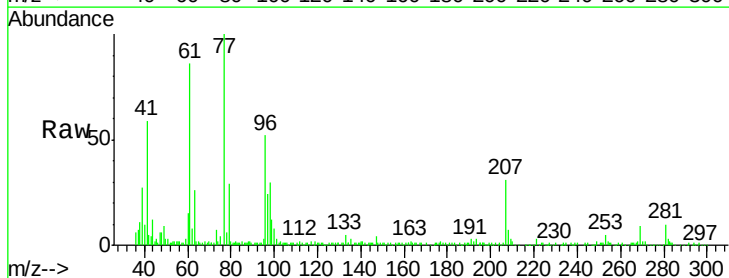
Acq: 22 Apr 2020 10:21

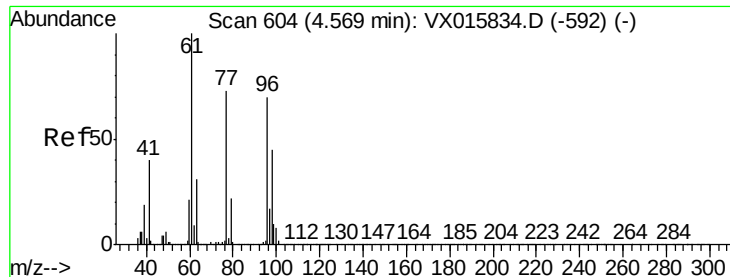
Tgt Ion: 77 Resp: 76332

Ion Ratio Lower Upper

77 100

97 26.6 11.4 34.1





#27

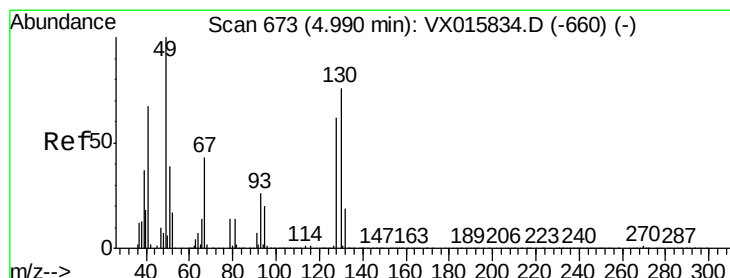
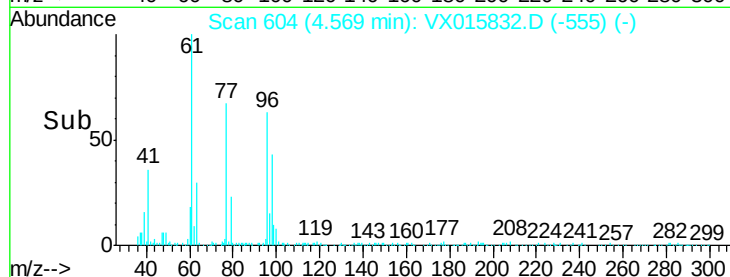
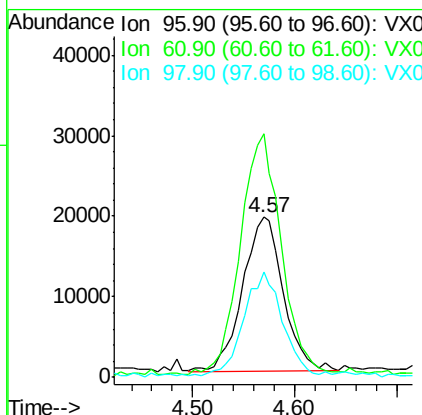
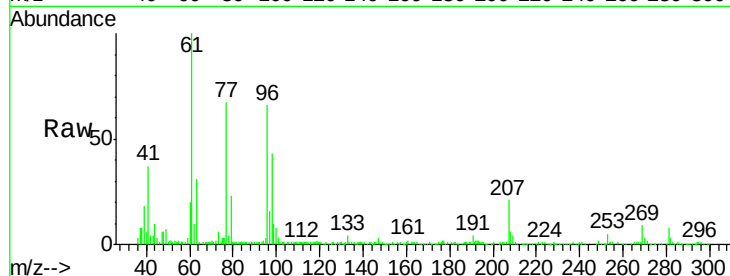
cis-1,2-Dichloroethene
Concen: 4.917 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	299.4
98	65.5	0.0	129.6

Manual Integrations
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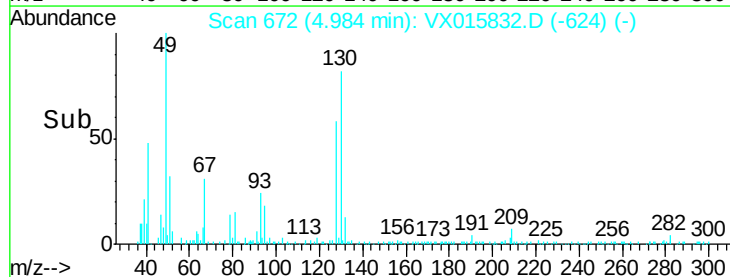
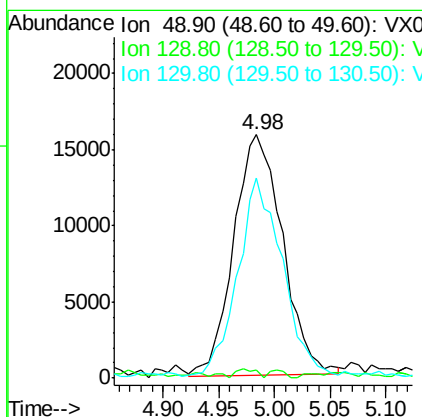
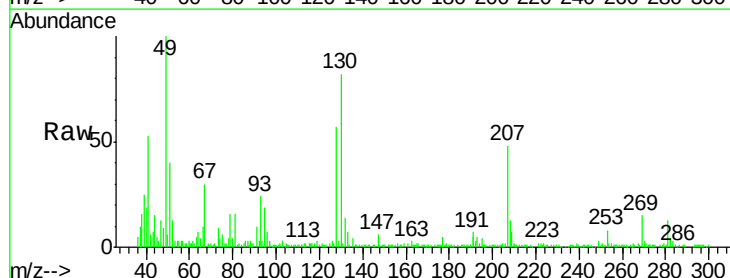
MMDadoda
4/23/2020 11:58:00 AM

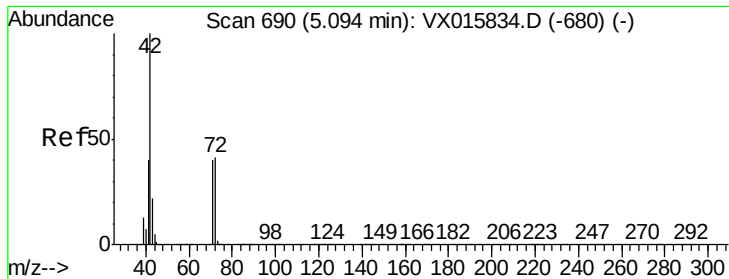


#28

Bromochloromethane
Concen: 5.209 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.8
130	75.1	62.4	93.6





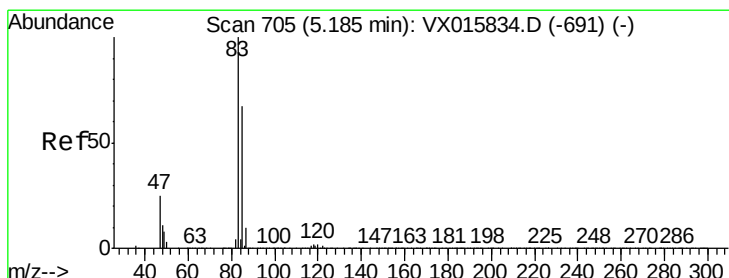
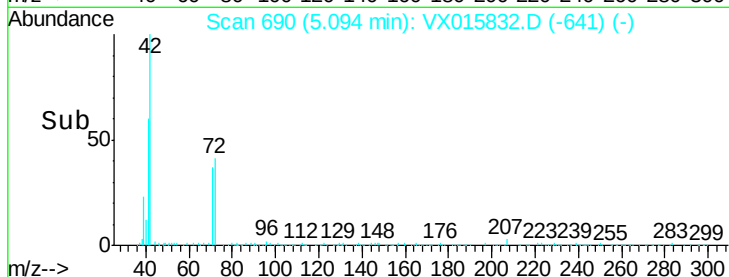
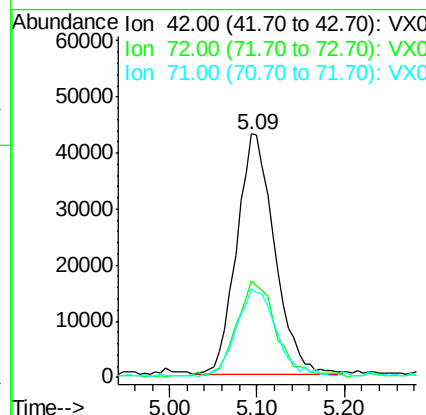
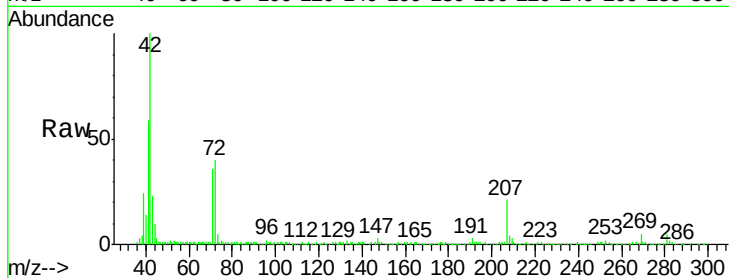
#29
Tetrahydrofuran
Concen: 25.549 ug/l
RT: 5.09 min Scan# 690
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	33.0	49.6
71	39.5	30.6	45.8

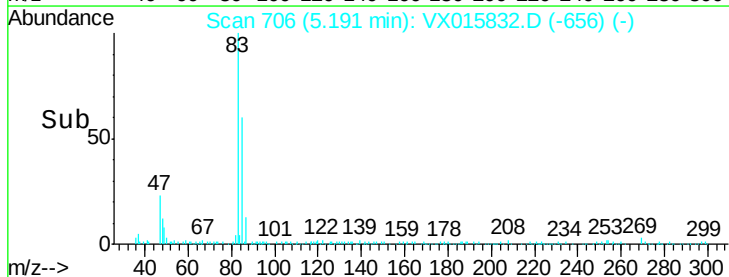
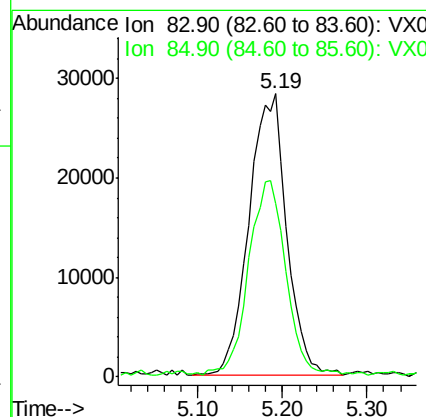
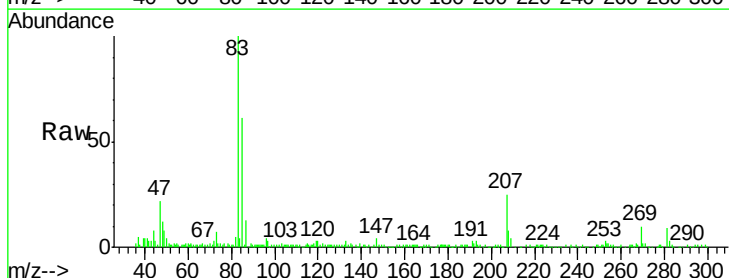
Manual Integrations
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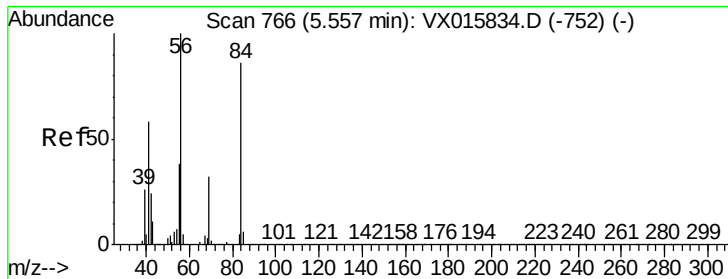
MMDadoda
4/23/2020 11:58:00 AM



#30
Chloroform
Concen: 5.013 ug/l
RT: 5.19 min Scan# 706
Delta R.T. 0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	53.4	80.0





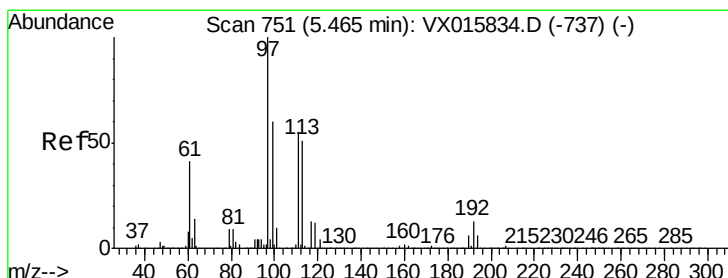
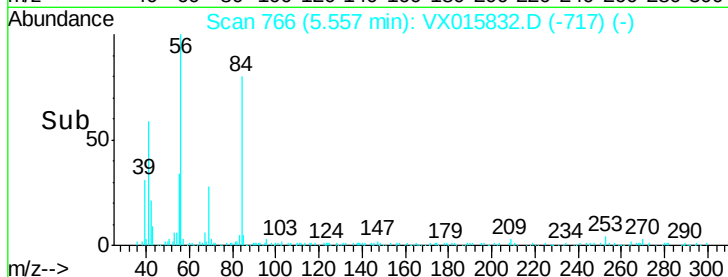
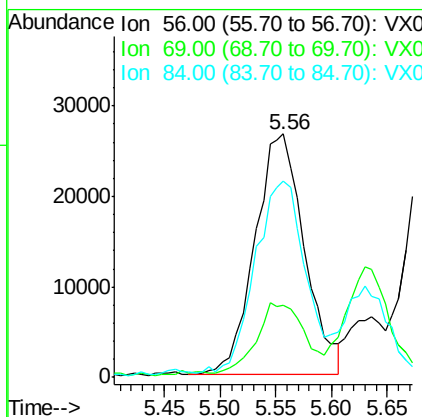
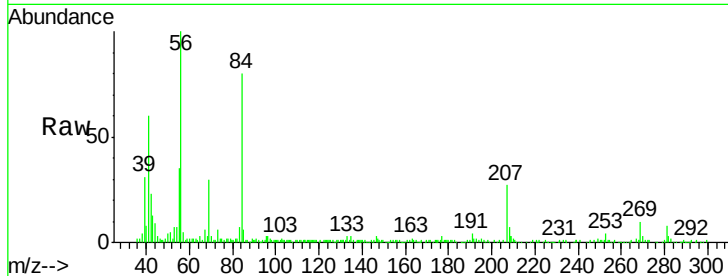
#31
Cyclohexane
Concen: 5.010 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	25.3	37.9
84	79.0	69.1	103.7

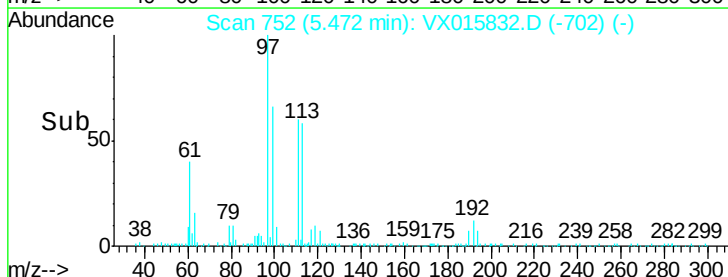
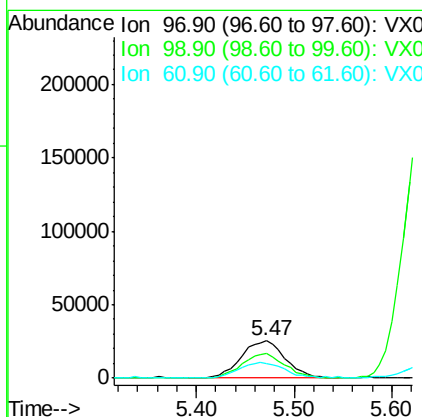
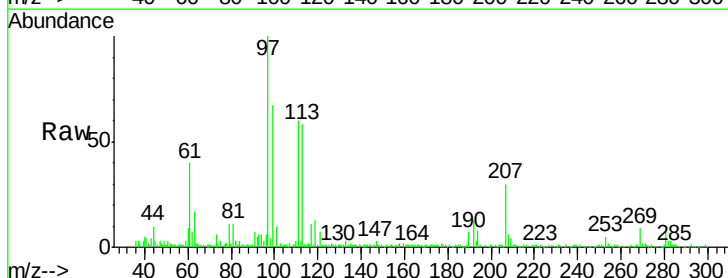
Manual Integrations
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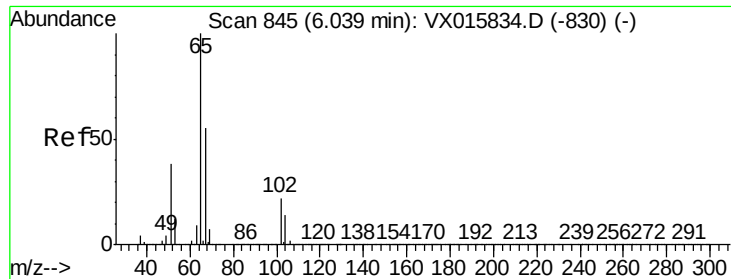
MMDadoda
4/23/2020 11:58:00 AM



#32
1,1,1-Trichloroethane
Concen: 5.214 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	39.2	34.1	51.1





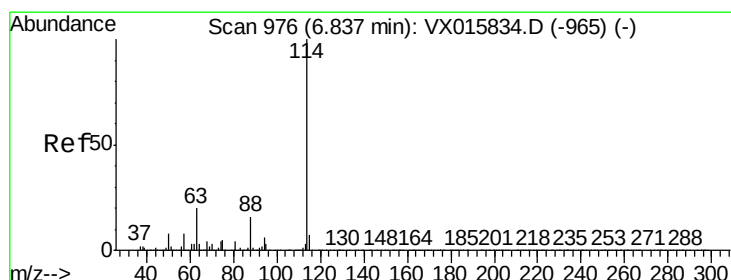
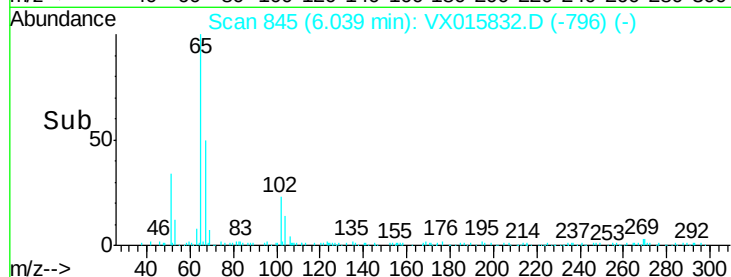
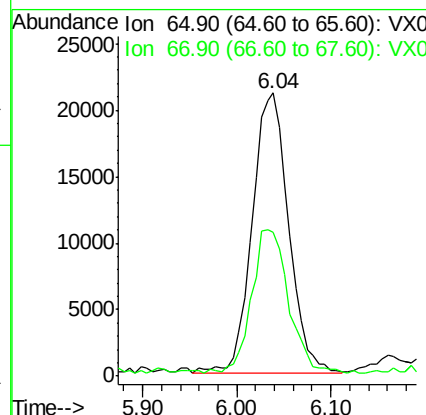
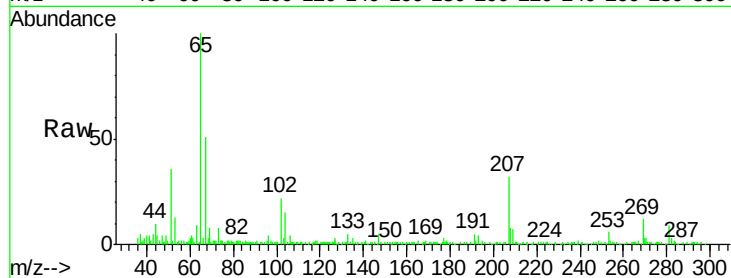
#33
 1,2-Dichloroethane-d4
 Concen: 4.893 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.2

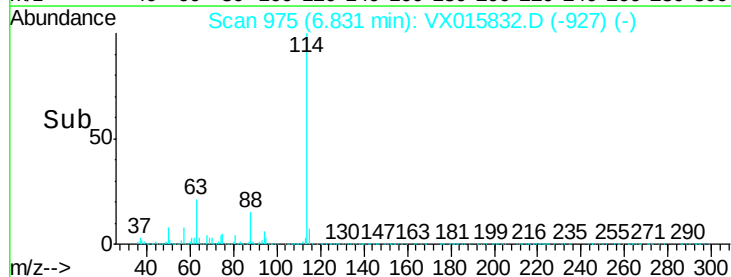
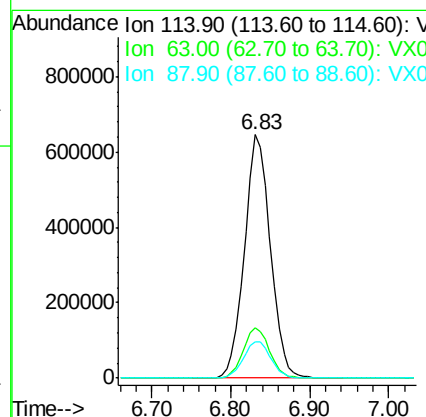
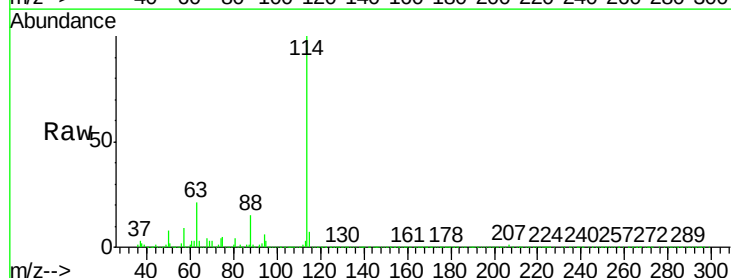
Manual Integrations
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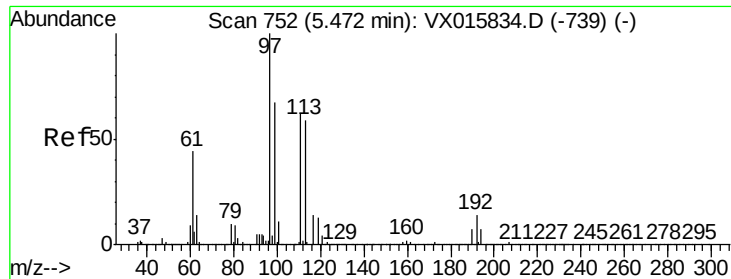
MMDadoda
 4/23/2020 11:58:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.6
88	14.7	0.0	32.8





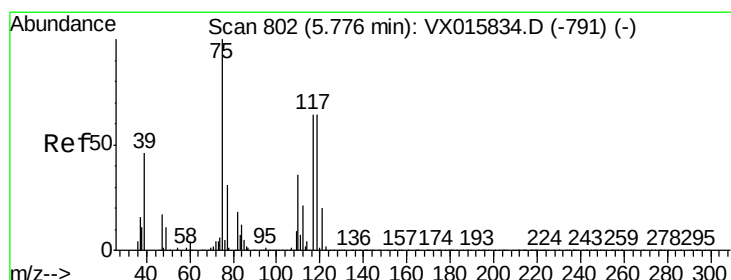
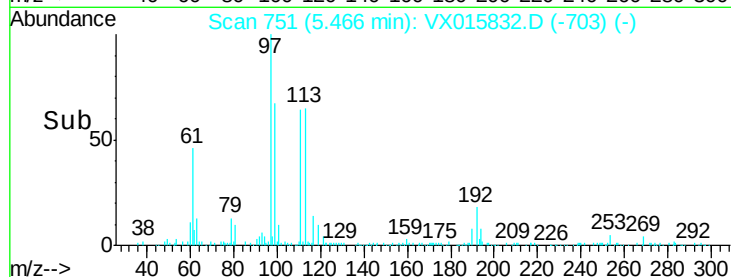
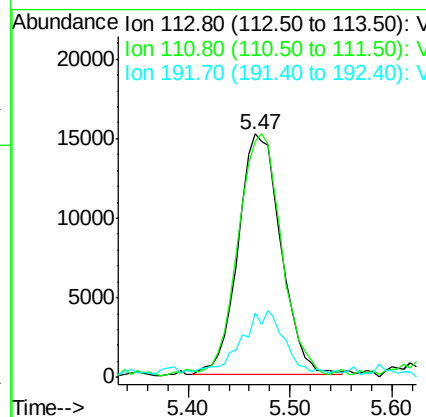
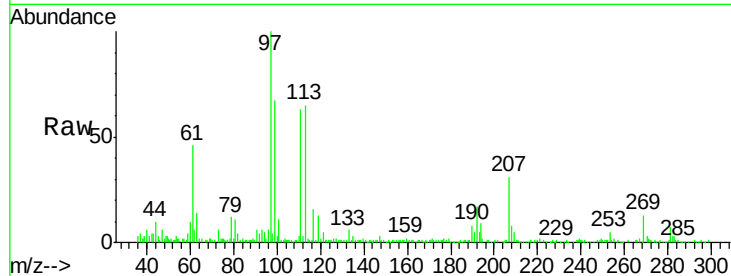
#35
 Dibromofluoromethane
 Concen: 4.707 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	29.0	19.3	28.9#

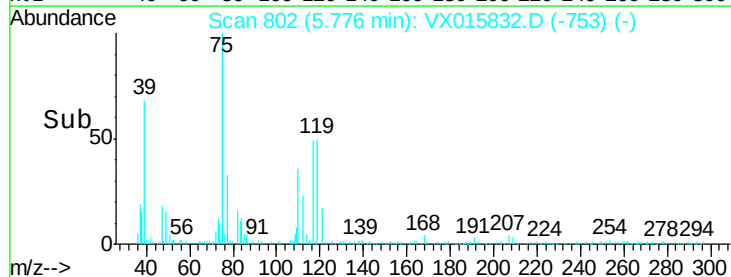
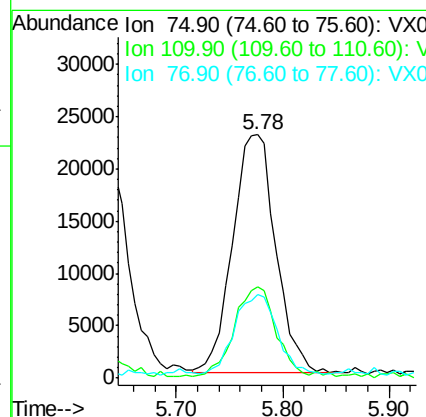
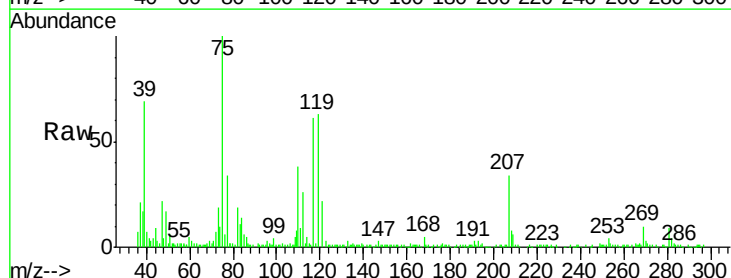
Manual Integrations
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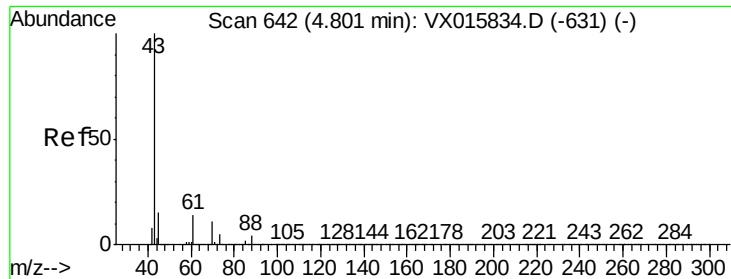
MMDadoda
 4/23/2020 11:58:00 AM



#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.8
77	33.5	24.5	36.7





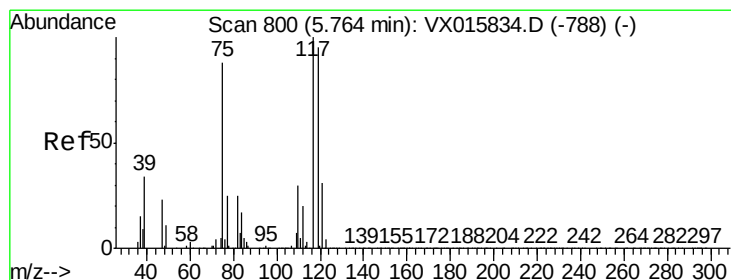
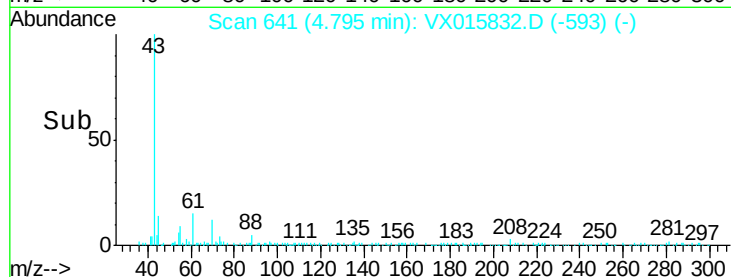
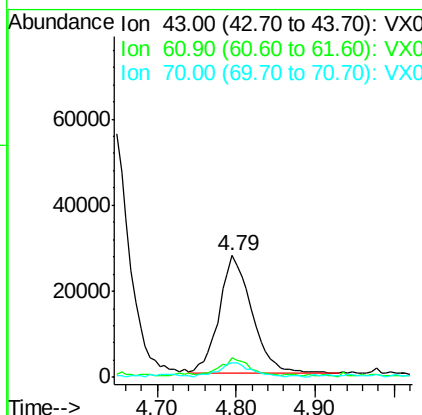
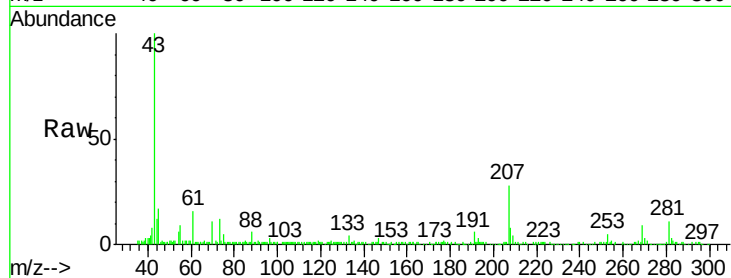
#37
Ethyl Acetate
Concen: 5.105 ug/l
RT: 4.79 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	12.4	8.2	12.2#

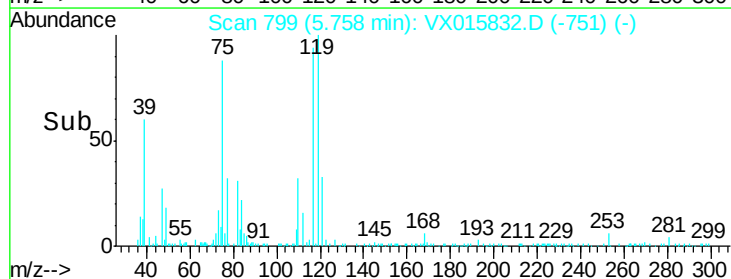
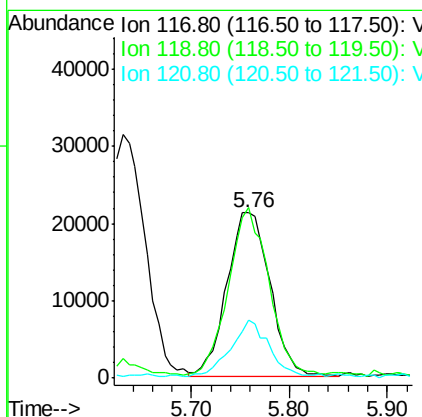
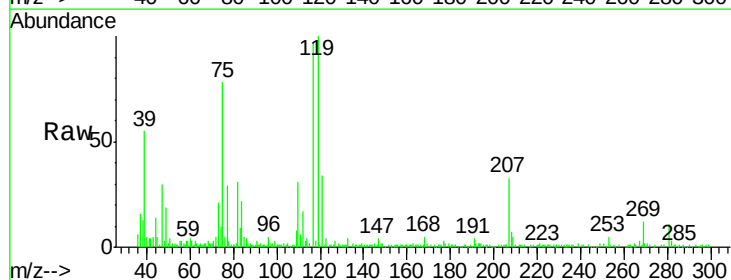
Manual Integrations
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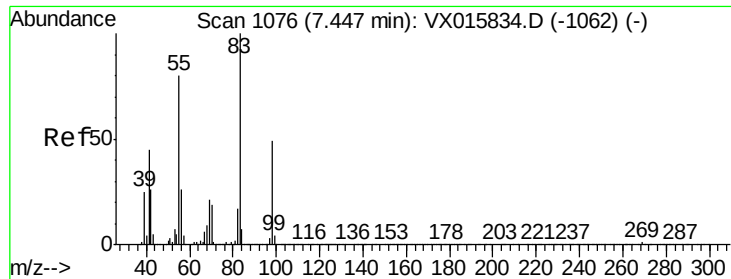
MMDadoda
4/23/2020 11:58:00 AM



#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 5.76 min Scan# 799
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	75.7	113.5
121	34.2	25.0	37.6





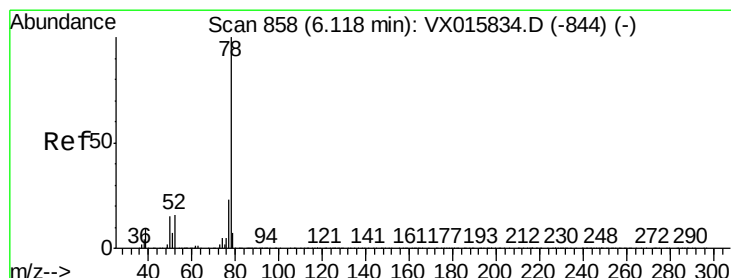
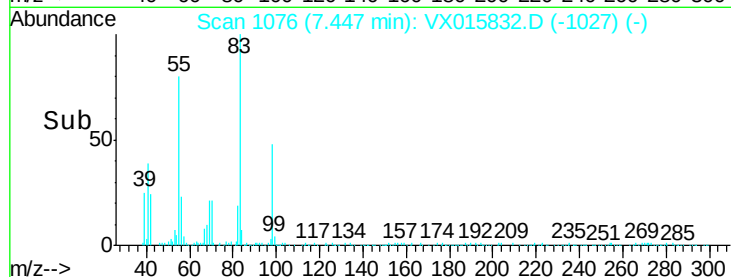
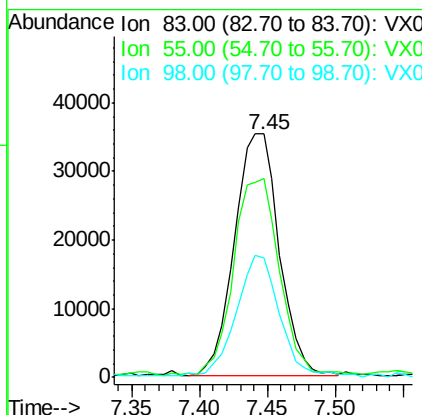
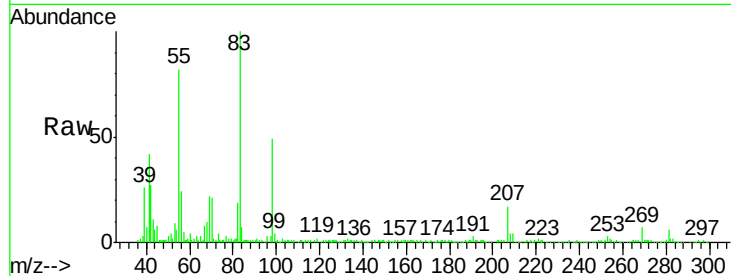
#39
Methylvlcyclohexane
Concen: 4.848 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.4	64.2	96.4	
98	47.9	39.3	58.9	

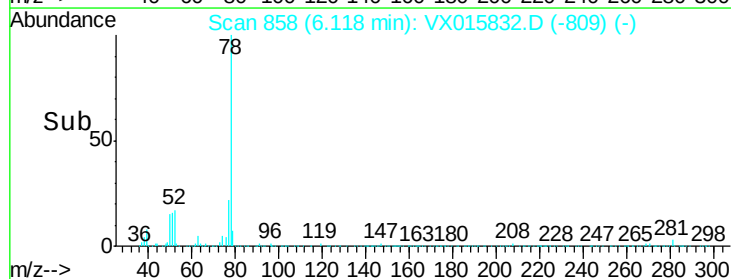
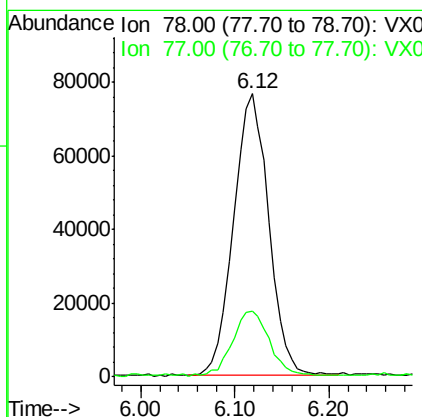
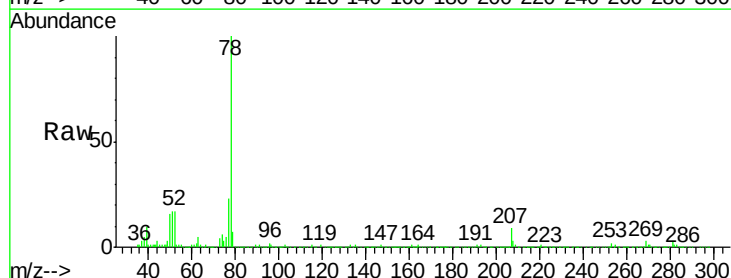
Manual Integrations
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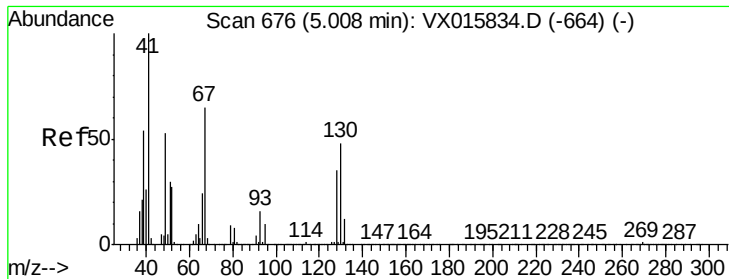
MMDadoda
4/23/2020 11:58:00 AM



#40
Benzene
Concen: 5.017 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	18.6	27.8	





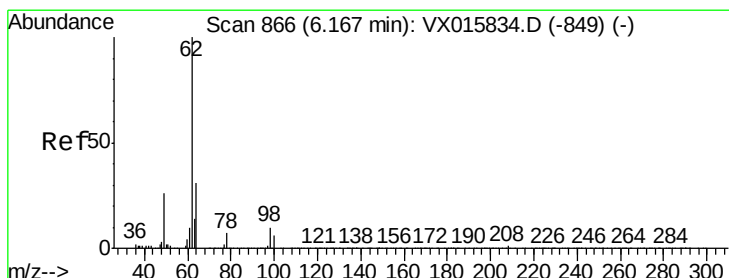
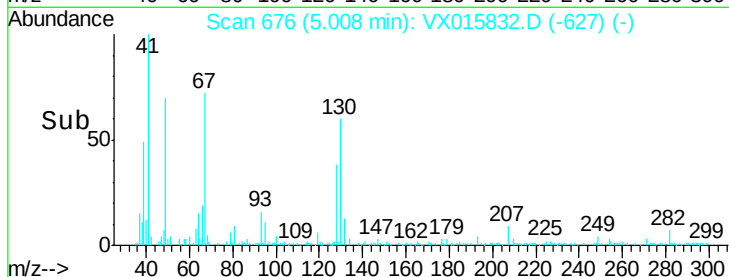
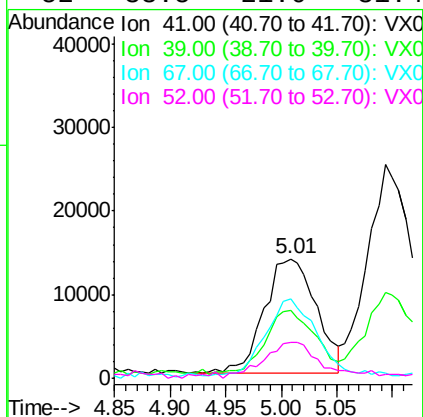
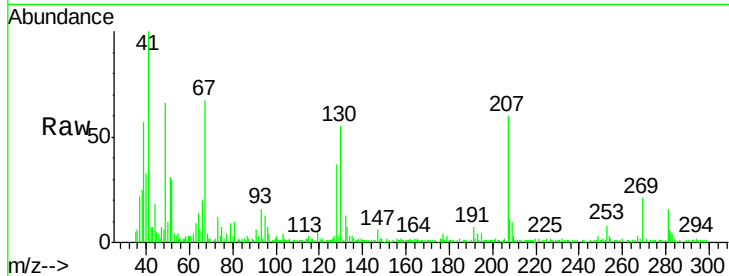
#41
Methacrylonitrile
Concen: 6.122 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.5	42.4	63.6	
67	64.1	51.9	77.9	
52	33.5	21.0	31.4	

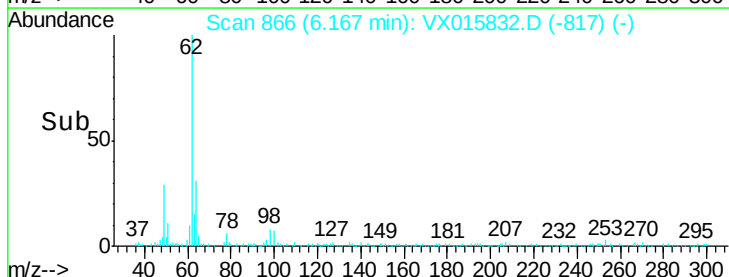
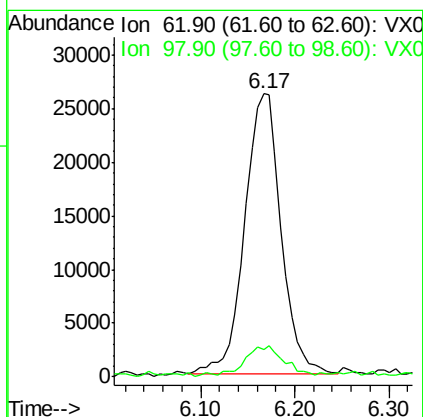
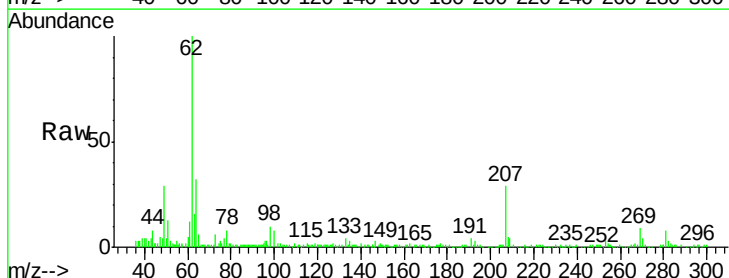
Manual Integrations
APPROVED

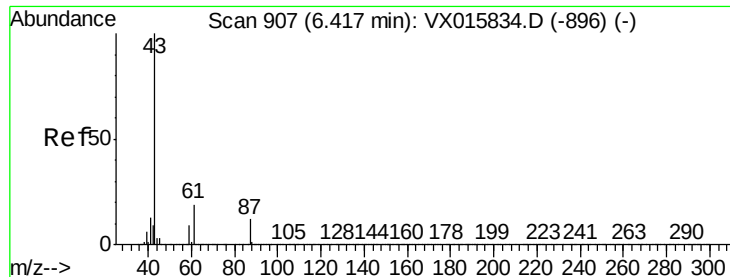
MMDadoda
4/23/2020 11:58:00 AM



#42
1,2-Dichloroethane
Concen: 4.959 ug/l
RT: 6.17 min Scan# 866
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	20.0	





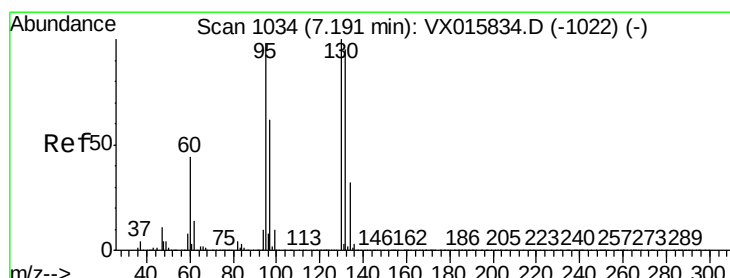
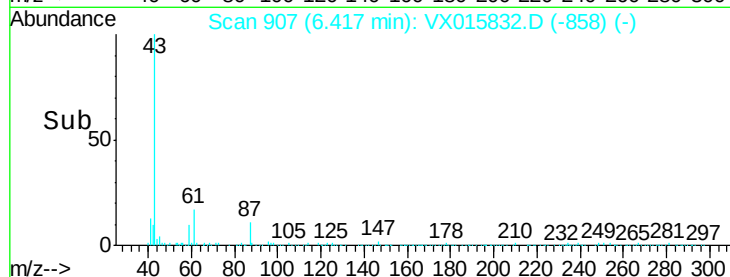
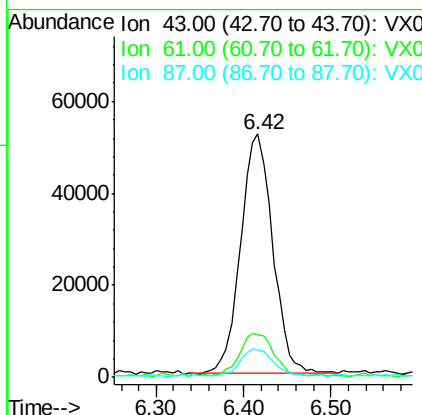
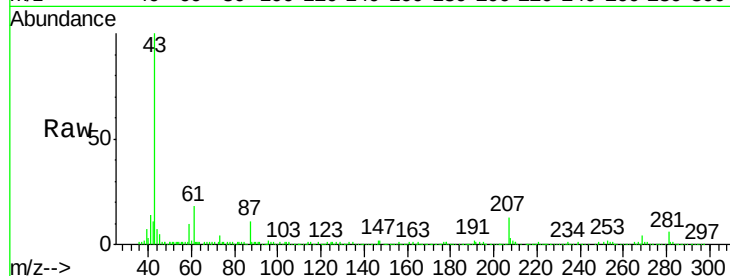
#43
Isopropyl Acetate
Concen: 5.105 ug/l
RT: 6.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	133438
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.4	23.2
87	13.3	9.8	14.6

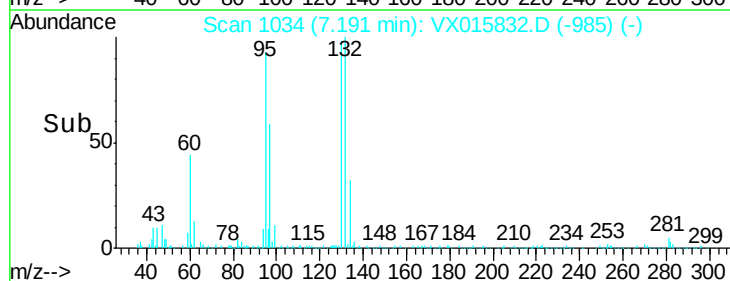
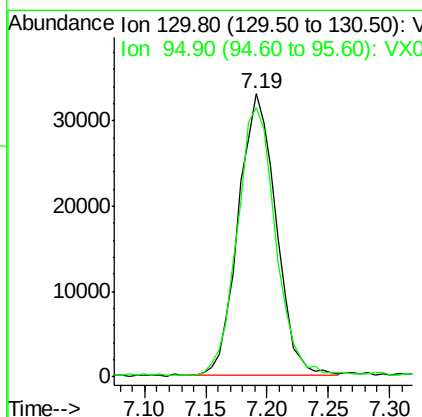
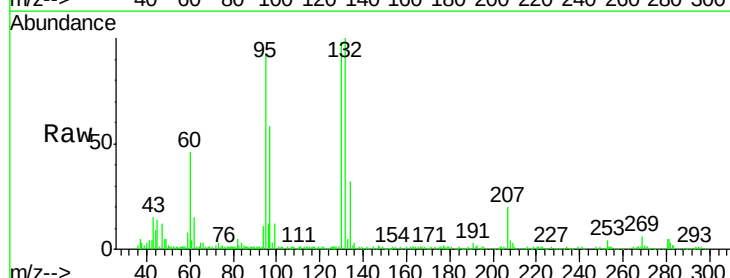
Manual Integrations
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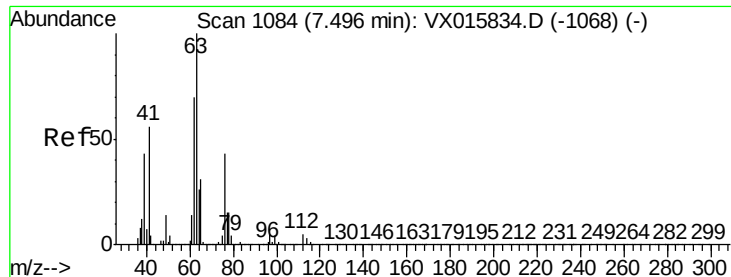
MMDadoda
4/23/2020 11:58:00 AM



#44
Trichloroethene
Concen: 5.081 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion:	130	Resp:	70434
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	195.8





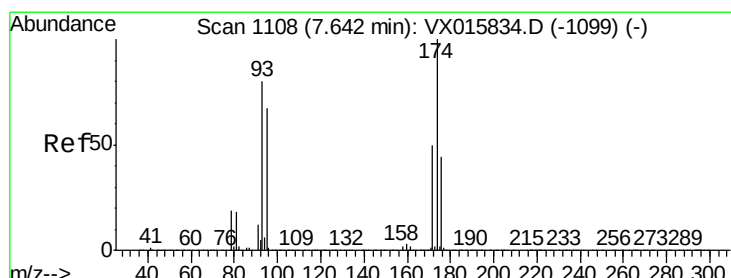
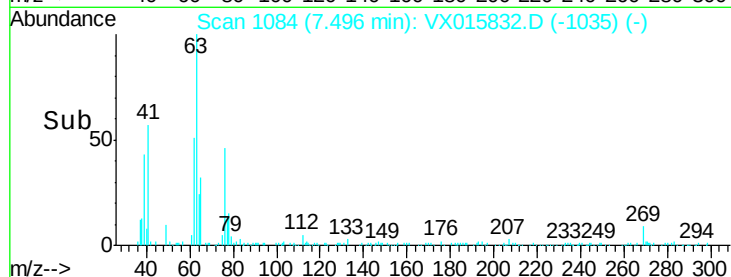
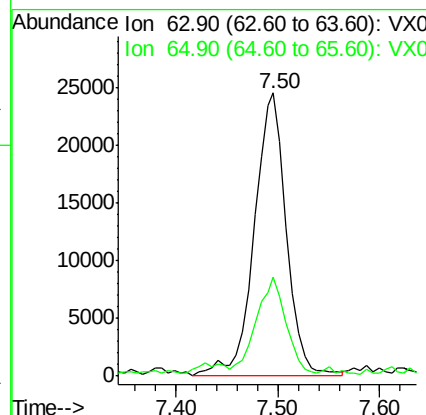
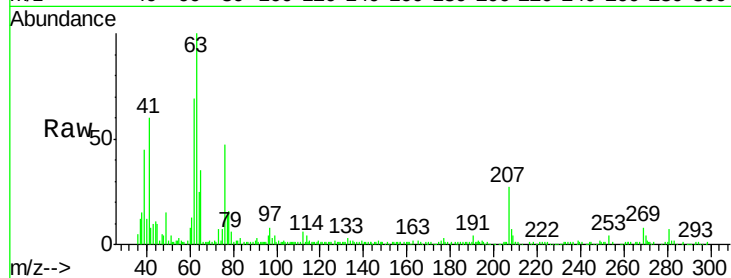
#45
 1,2-Dichloropropane
 Concen: 5.239 ug/l
 RT: 7.50 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.5	36.7

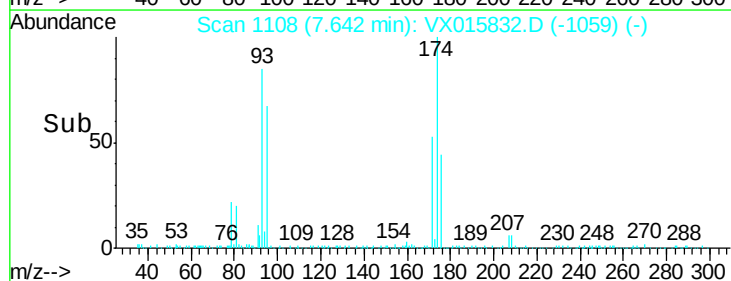
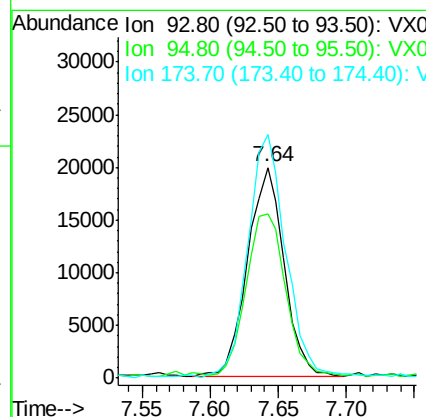
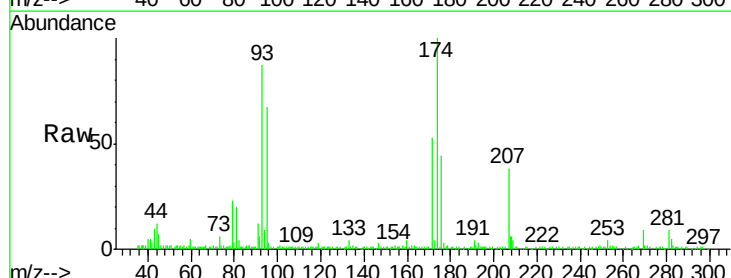
Manual Integrations
 APPROVED

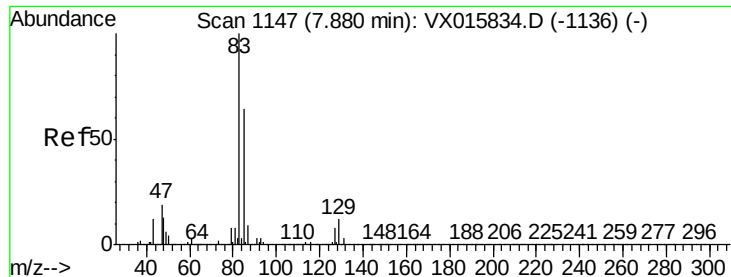
MMDadoda
 4/23/2020 11:58:00 AM



#46
 Dibromomethane
 Concen: 4.839 ug/l
 RT: 7.64 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.8	98.8
174	122.6	95.6	143.4





#47

Bromodichloromethane

Concen: 4.923 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

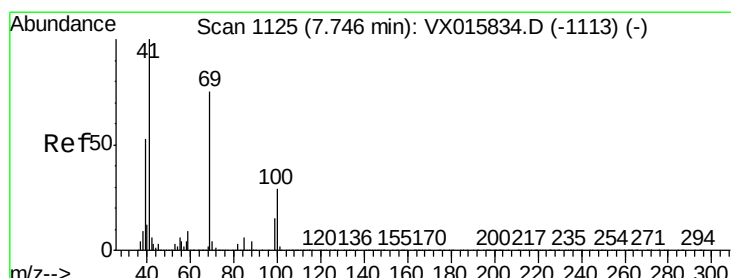
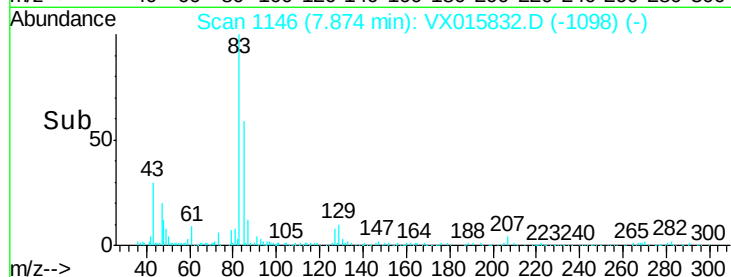
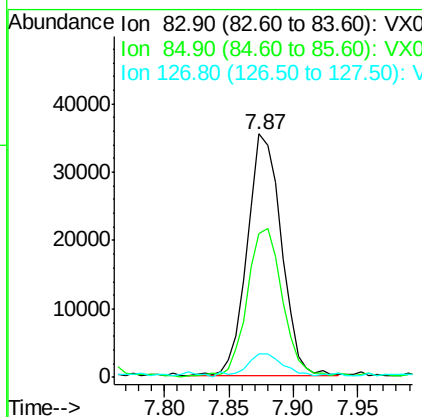
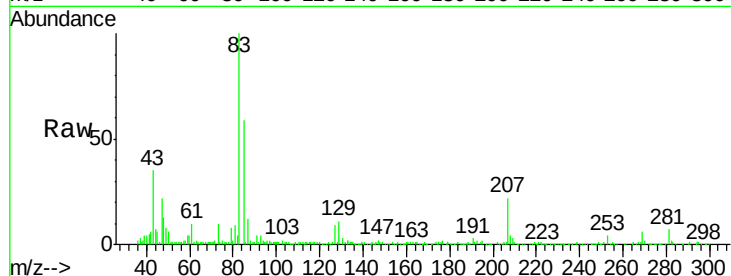
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	64595
Ion Ratio	Lower	Upper	
83	100		
85	59.0	50.8	76.2
127	7.9	6.6	10.0

Manual Integrations
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MMDadoda
4/23/2020 11:58:00 AM



#48

Methyl methacrylate

Concen: 4.979 ug/l

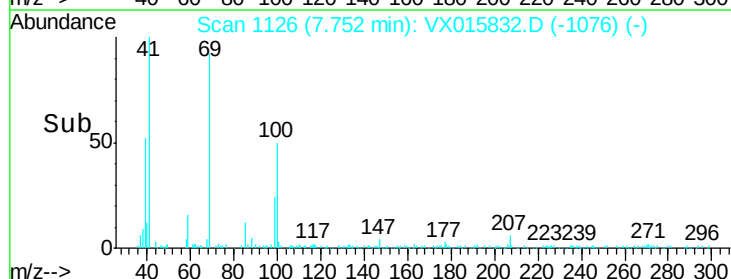
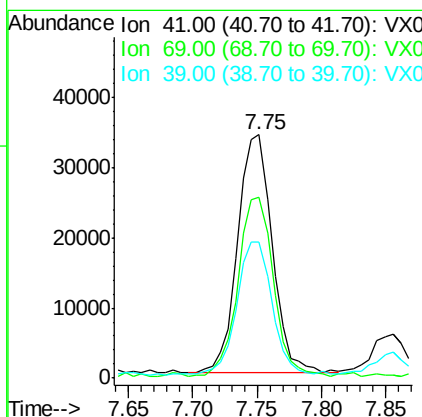
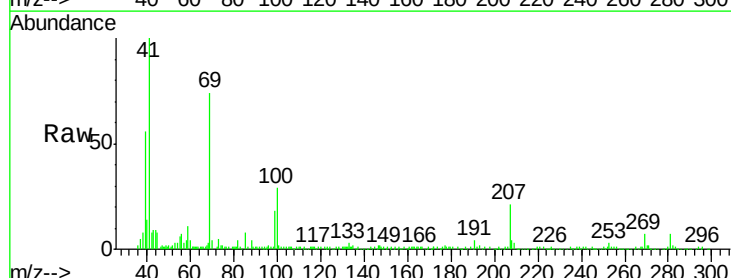
RT: 7.75 min Scan# 1126

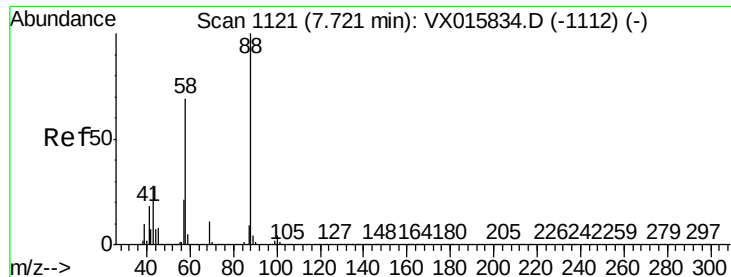
Delta R.T. 0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion:	41	Resp:	63370
Ion Ratio	Lower	Upper	
41	100		
69	77.1	60.5	90.7
39	56.0	42.1	63.1





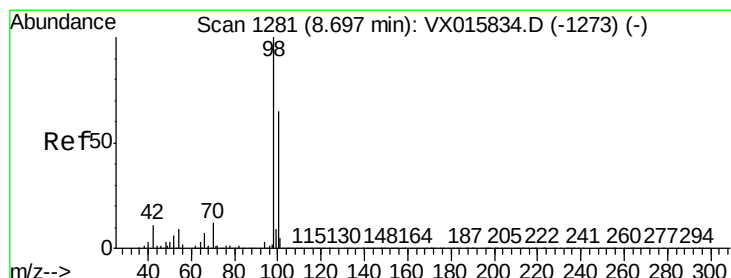
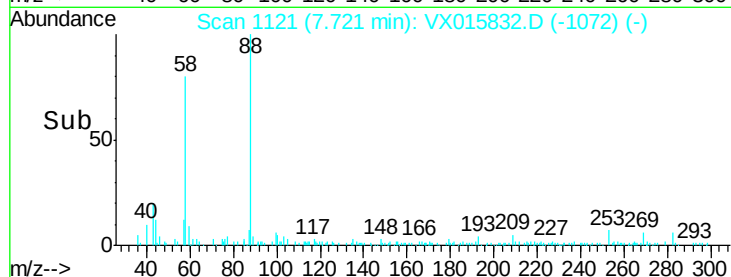
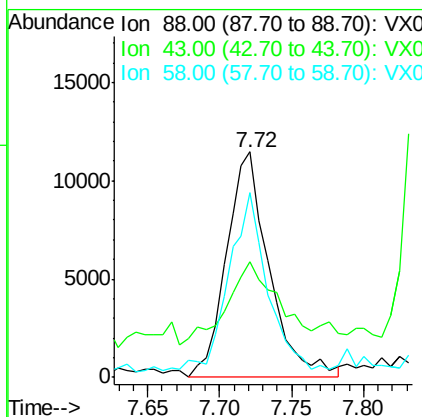
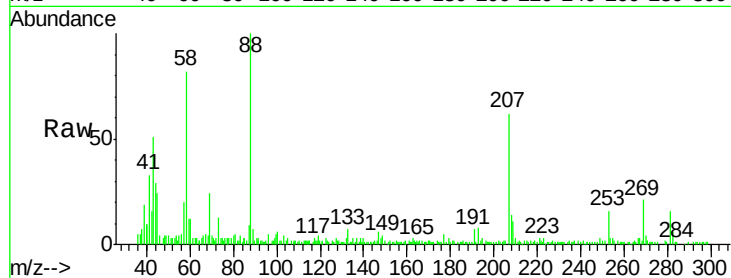
#49
1,4-Dioxane
Concen: 96.057 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	28.2	42.4#
58	73.1	58.9	88.3

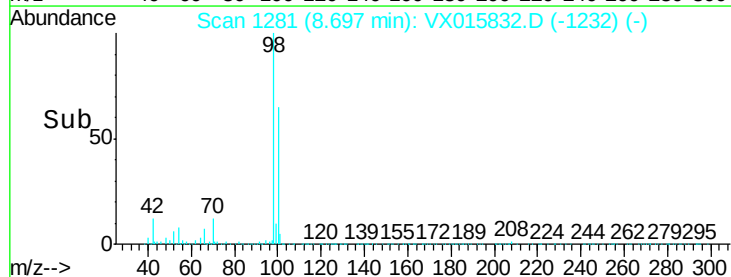
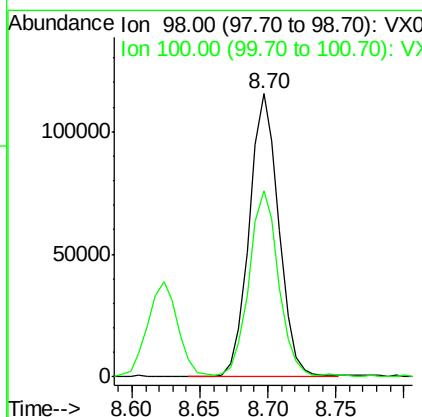
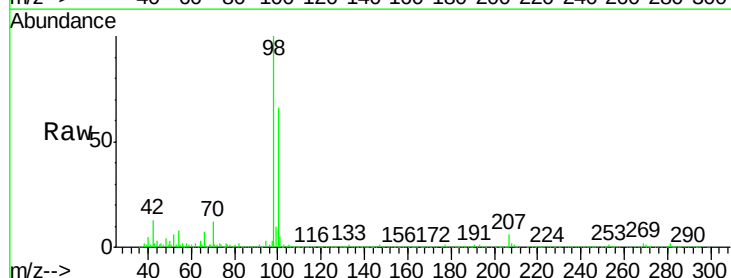
Manual Integrations
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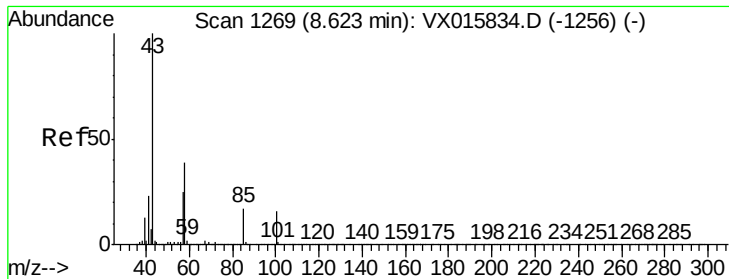
MMDadoda
4/23/2020 11:58:00 AM



#50
Toluene-d8
Concen: 4.982 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.8	80.6





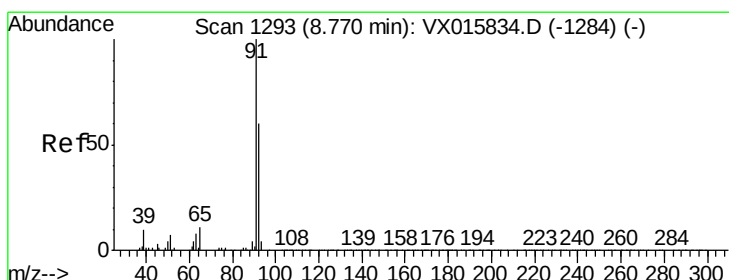
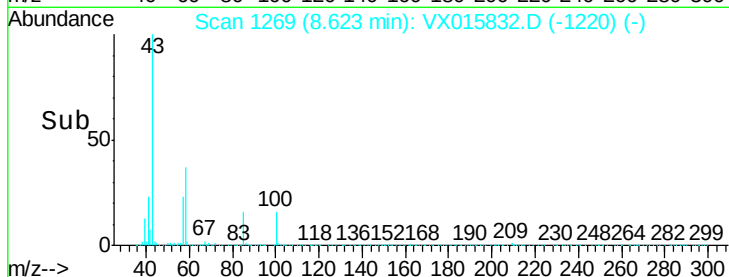
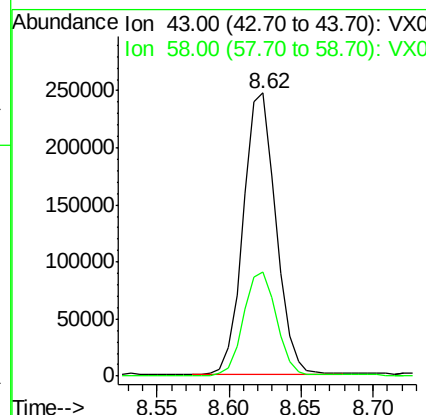
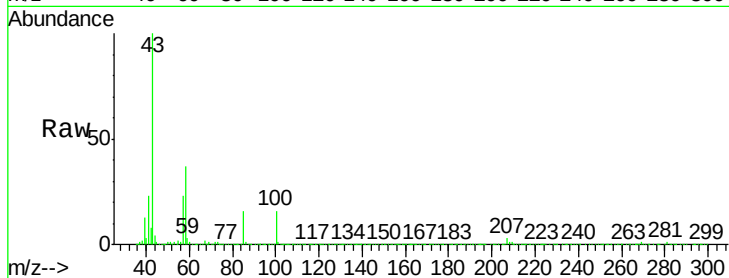
#51
4-Methyl-2-Pentanone
Concen: 25.644 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.6	45.8

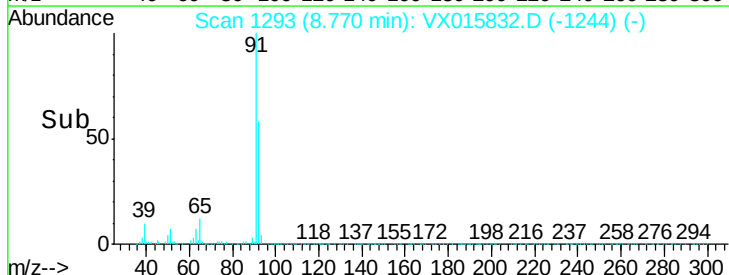
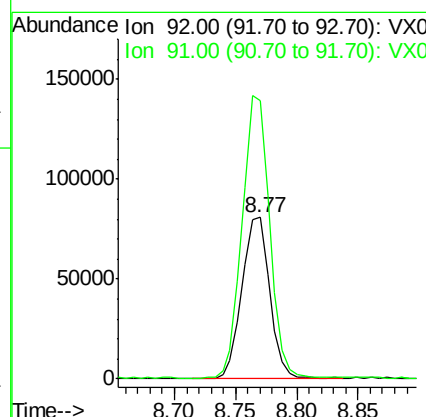
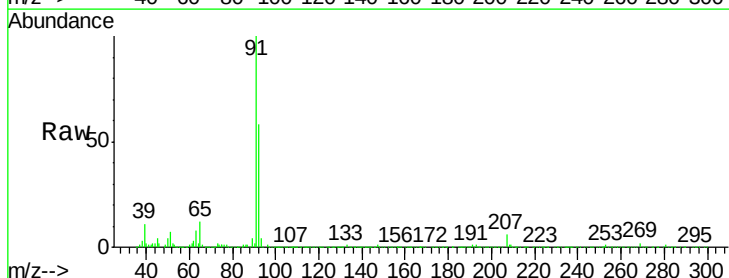
Manual Integrations
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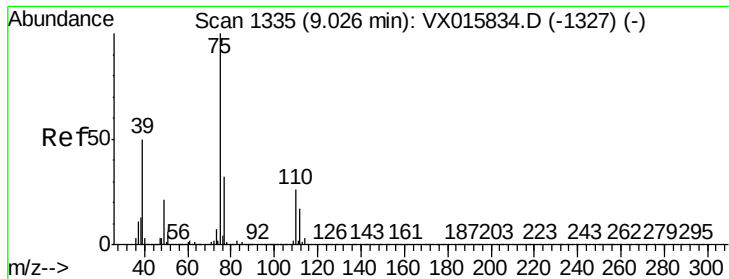
MMDadoda
4/23/2020 11:58:00 AM



#52
Toluene
Concen: 5.025 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	133.4	200.0





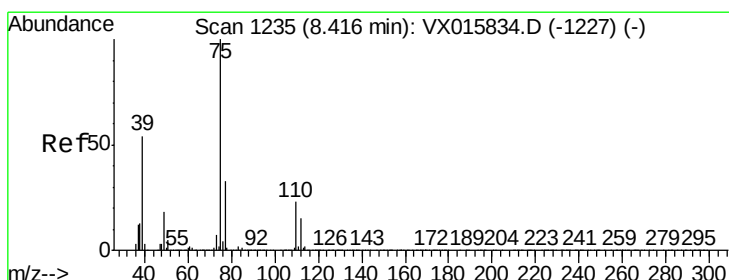
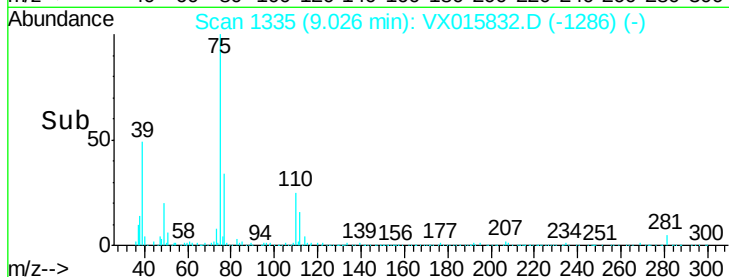
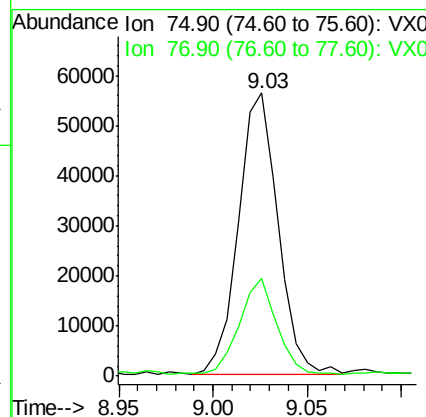
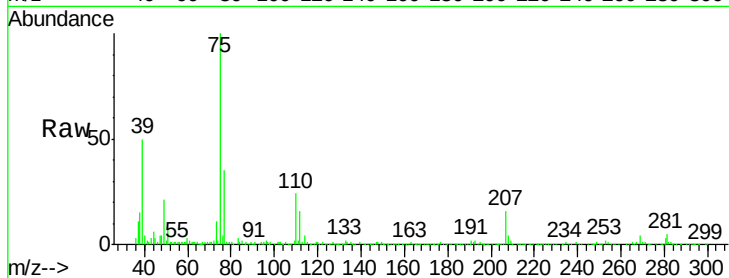
#53
t-1,3-Dichloropropene
Concen: 4.978 ug/l
RT: 9.03 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.9	38.9

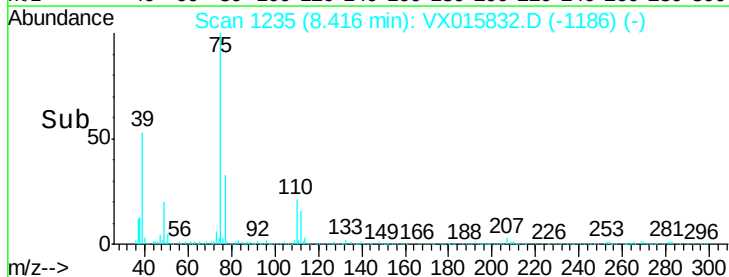
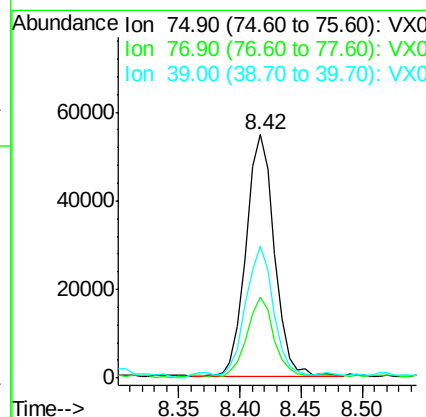
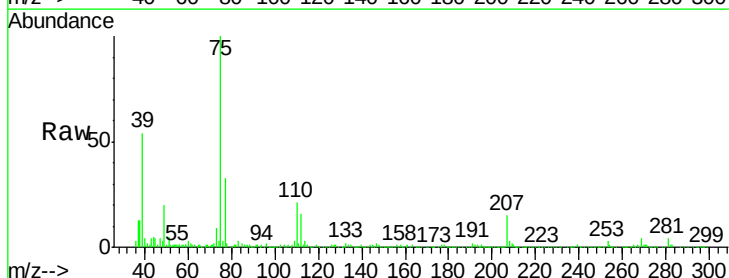
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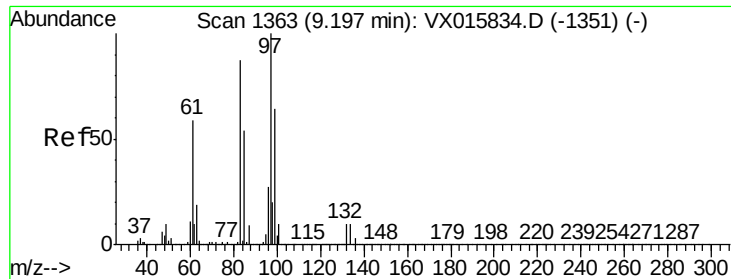
MMDadoda
4/23/2020 11:58:00 AM



#54
cis-1,3-Dichloropropene
Concen: 5.057 ug/l
RT: 8.42 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.0	39.0
39	53.4	42.8	64.2





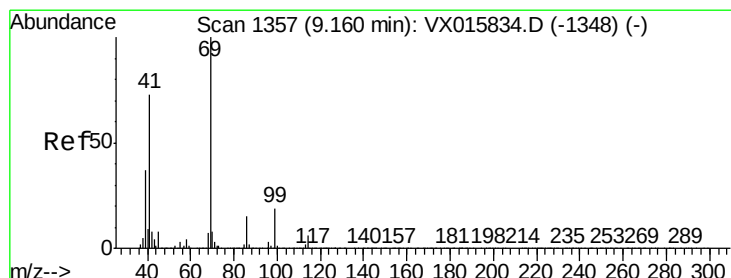
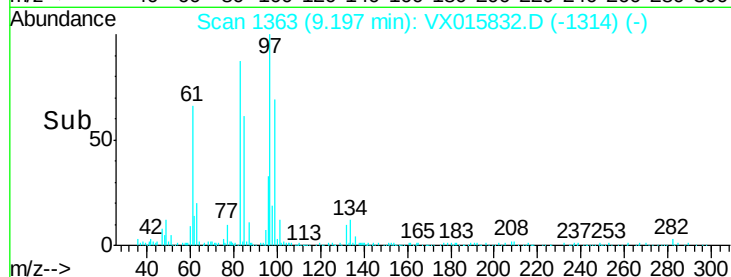
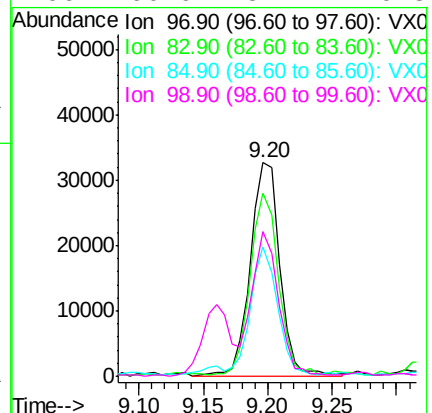
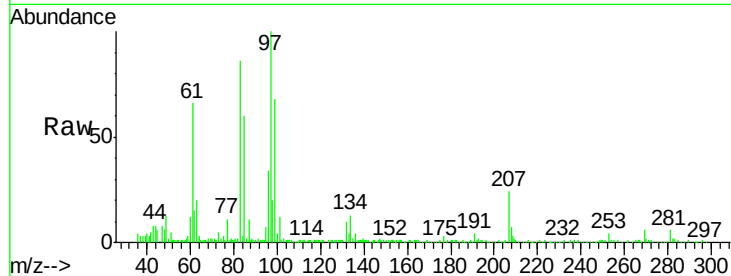
#55
 1,1,2-Trichloroethane
 Concen: 5.264 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	51643
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.8	104.8
85	59.0	43.4	65.2
99	66.9	51.2	76.8

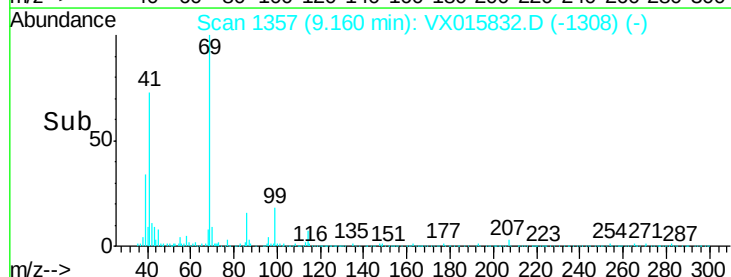
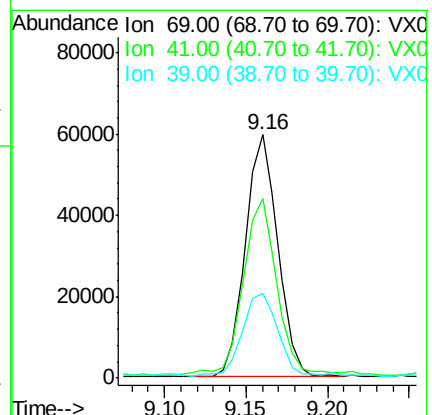
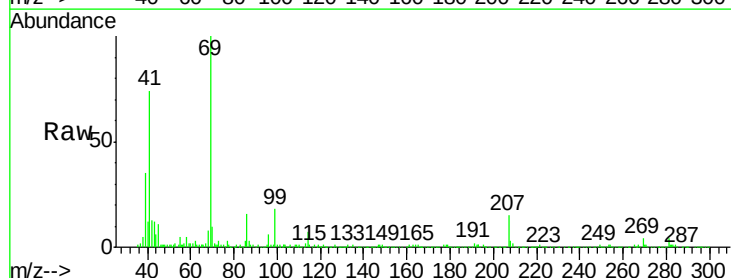
Manual Integrations
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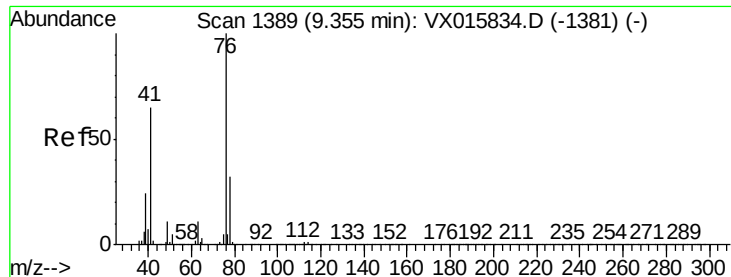
MMDadoda
 4/23/2020 11:58:00 AM



#56
 Ethyl methacrylate
 Concen: 5.008 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion:	69	Resp:	82353
Ion	Ratio	Lower	Upper
69	100		
41	75.3	57.4	86.2
39	37.7	29.7	44.5





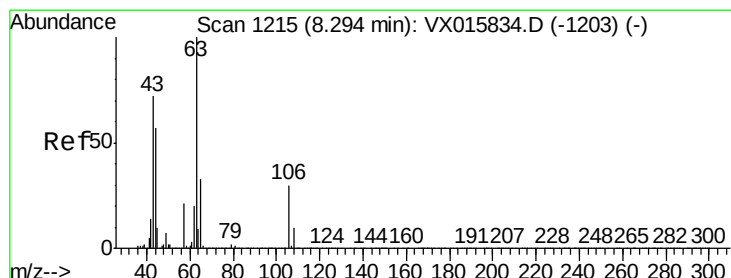
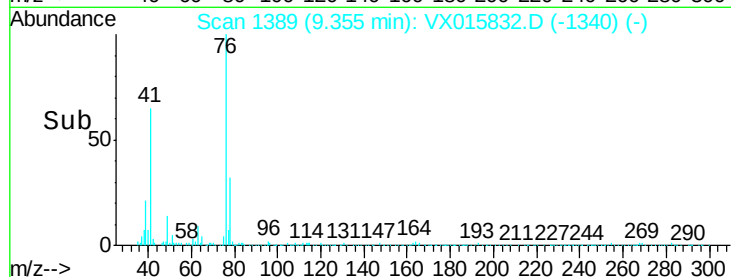
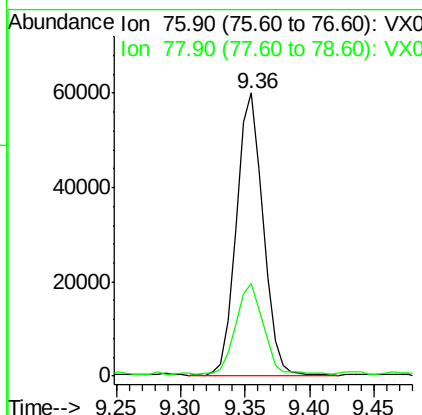
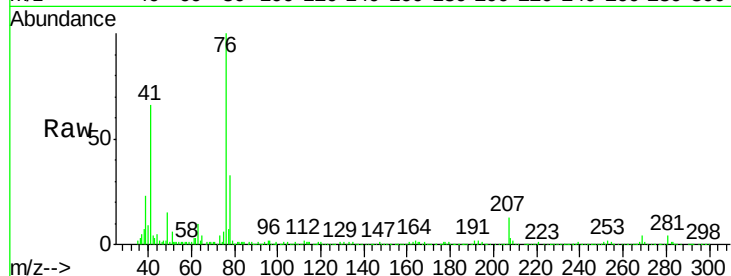
#57
 1,3-Dichloropropane
 Concen: 5.043 ug/l
 RT: 9.36 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.4	38.2

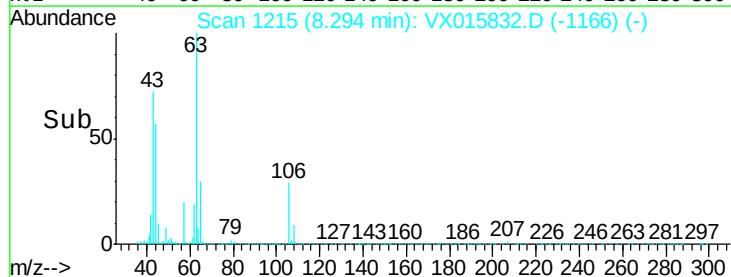
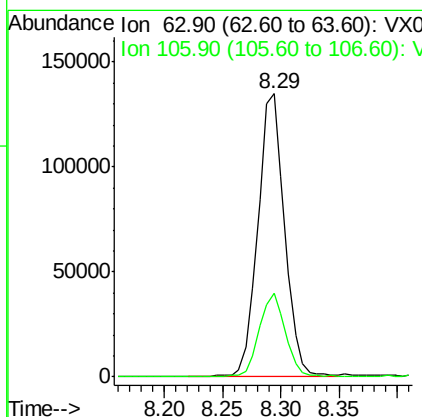
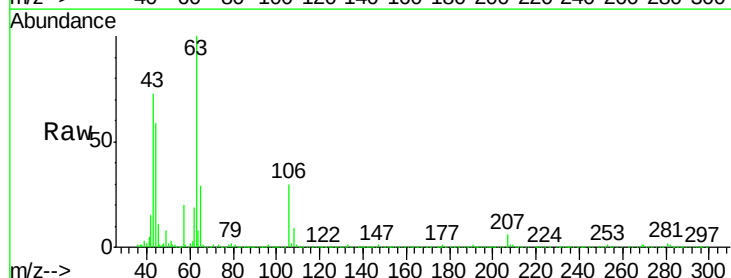
Manual Integrations
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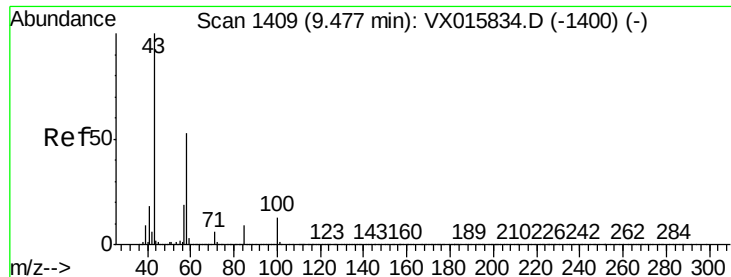
MMDadoda
 4/23/2020 11:58:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.972 ug/l
 RT: 8.29 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.8	35.8





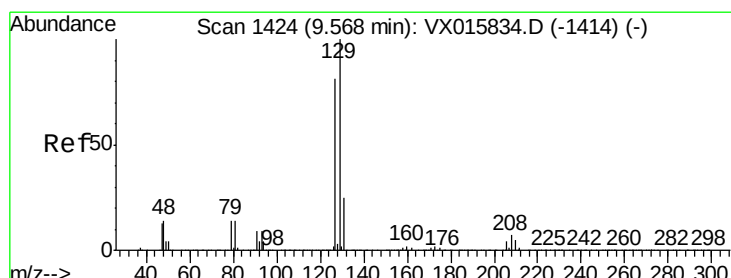
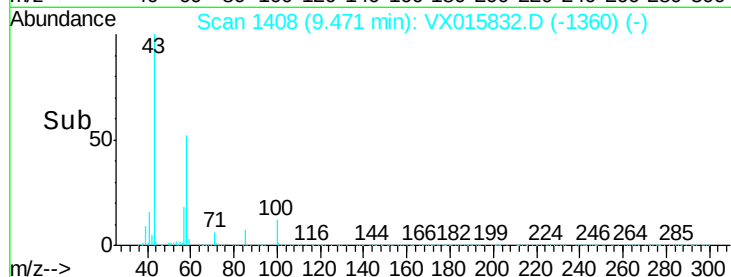
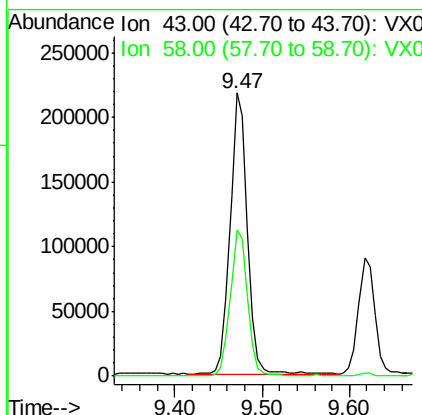
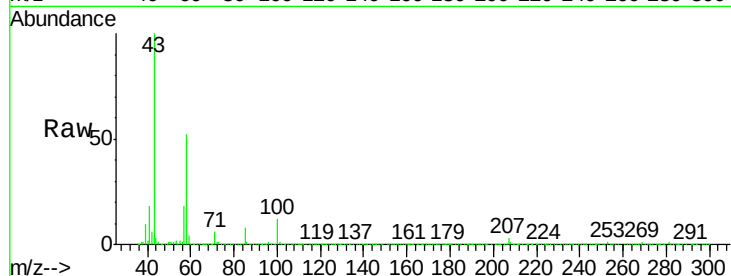
#59
2-Hexanone
Concen: 26.184 ug/l
RT: 9.47 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 299289
Ion Ratio Lower Upper
43 100
58 51.8 26.5 79.4

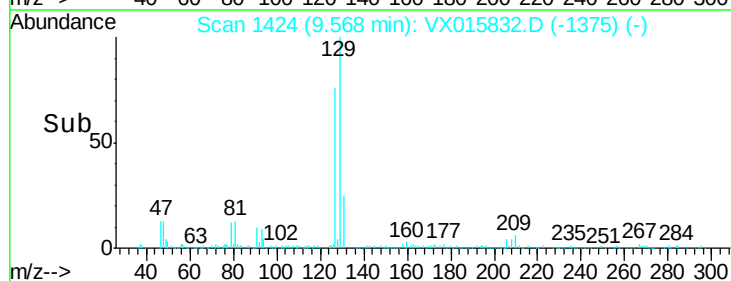
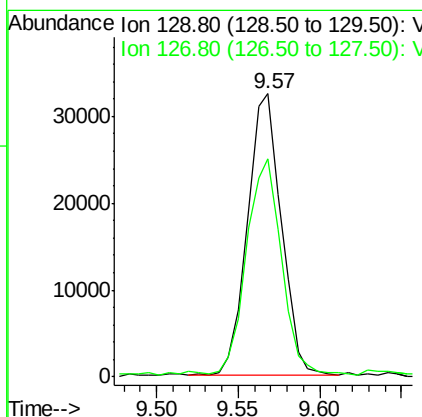
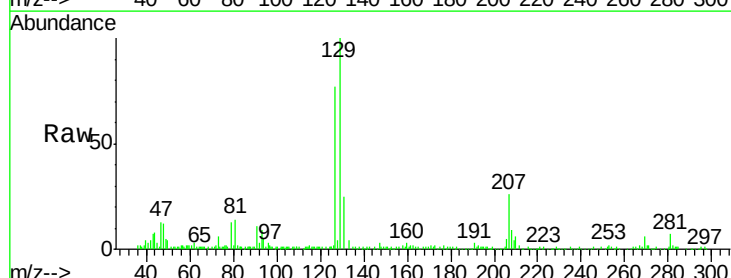
Manual Integrations
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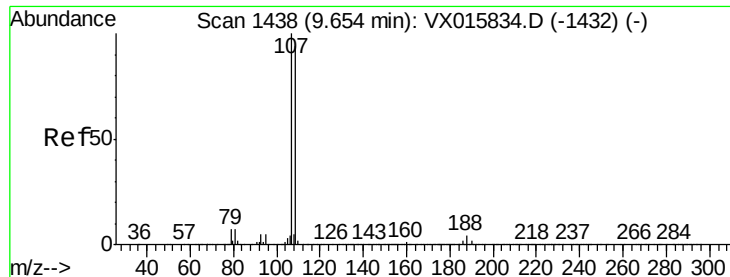
MMDadoda
4/23/2020 11:58:00 AM



#60
Dibromochloromethane
Concen: 4.898 ug/l
RT: 9.57 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion: 129 Resp: 47000
Ion Ratio Lower Upper
129 100
127 79.2 40.0 120.0





#61

1,2-Dibromoethane

Concen: 5.035 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 55144

Ion Ratio Lower Upper

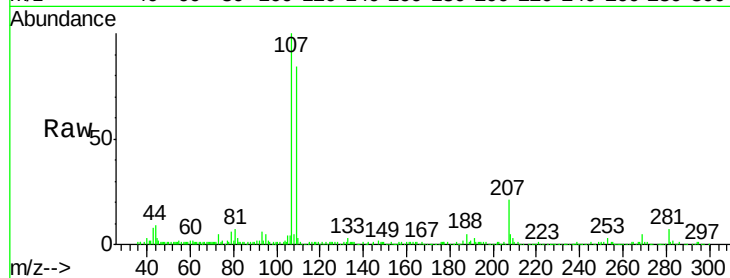
107 100

109 92.9 75.4 113.0

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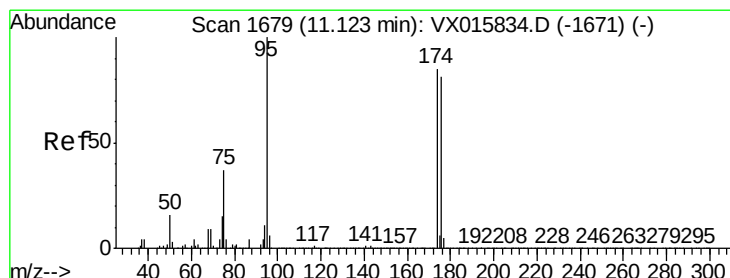
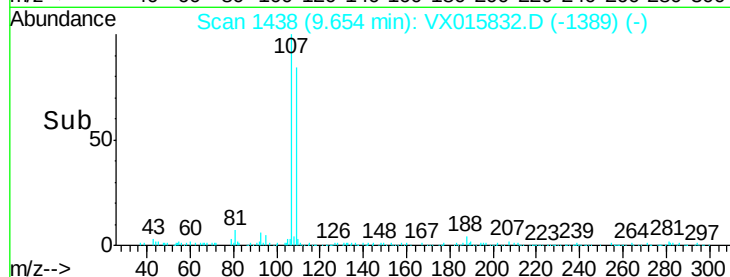
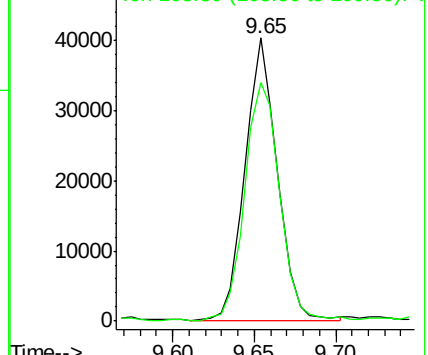
MMDadoda

4/23/2020 11:58:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.701 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

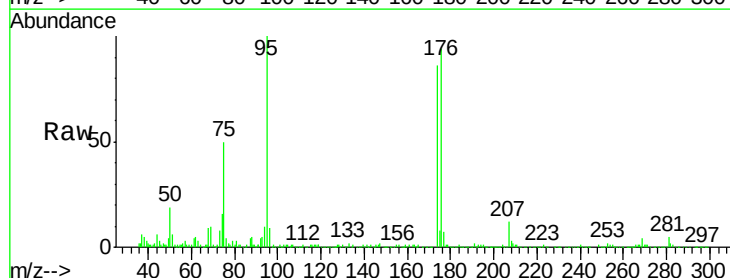
Tgt Ion: 95 Resp: 73069

Ion Ratio Lower Upper

95 100

174 85.0 0.0 172.4

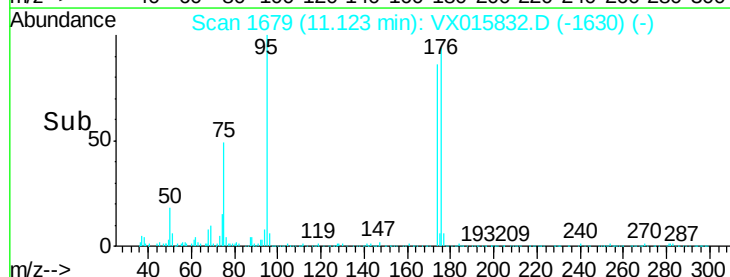
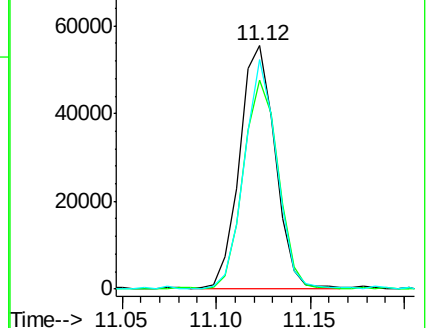
176 85.4 0.0 167.0

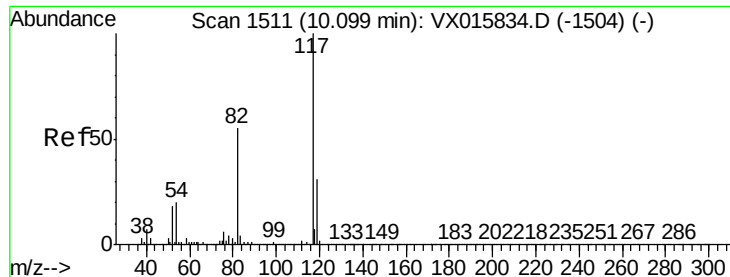


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





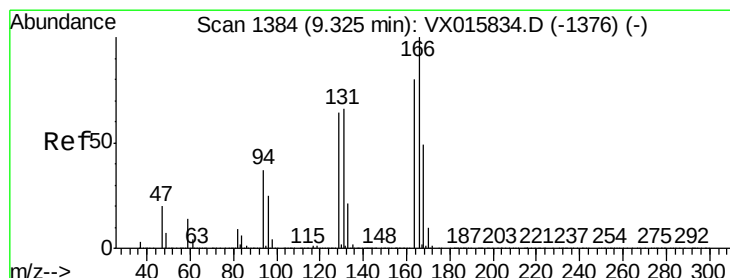
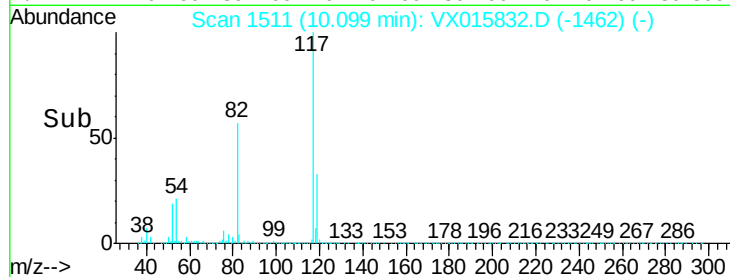
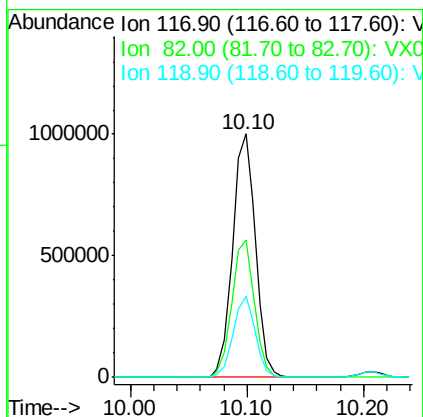
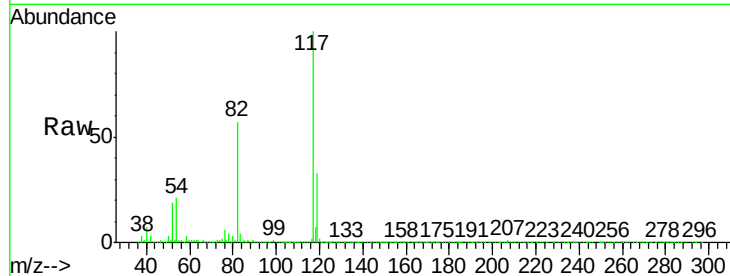
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.9	65.9
119	33.4	25.1	37.7

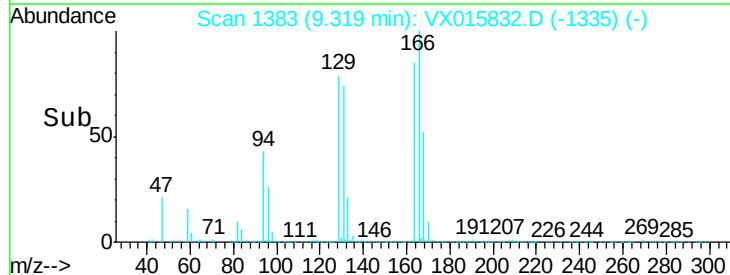
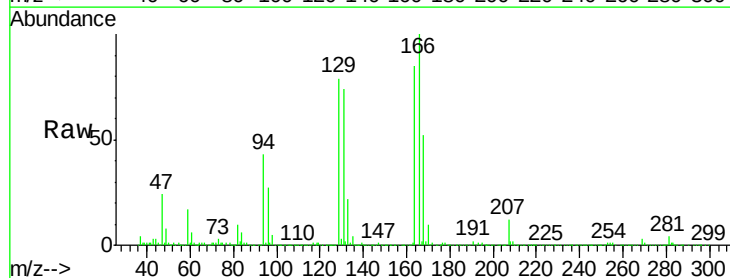
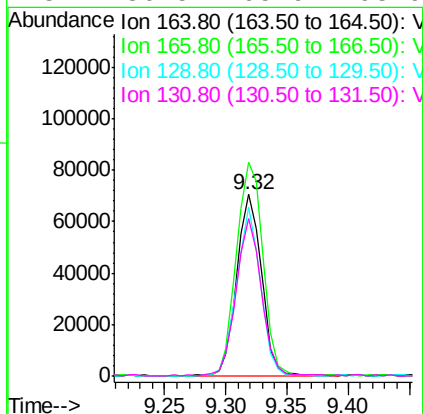
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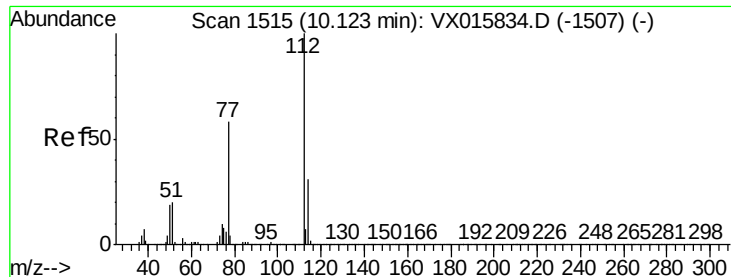
MMDadoda
4/23/2020 11:58:00 AM



#64
Tetrachloroethene
Concen: 5.182 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	100.2	150.2
129	93.3	64.5	96.7
131	86.5	65.9	98.9





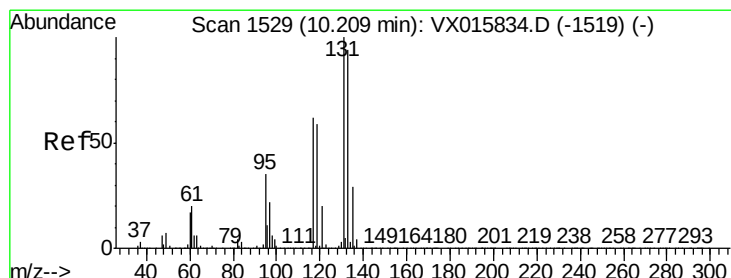
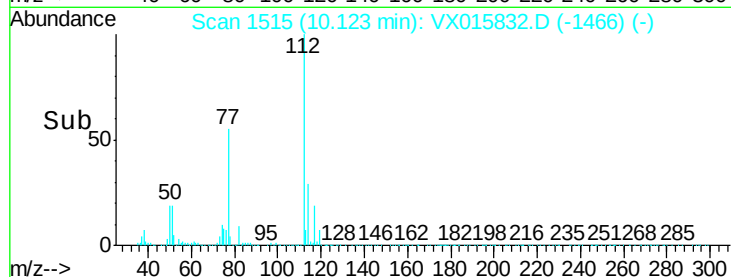
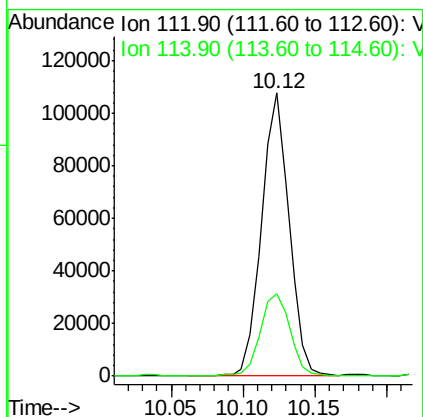
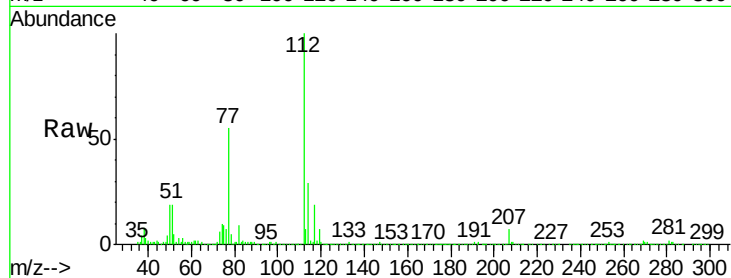
#65
Chlorobenzene
Concen: 5.112 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.9	25.0	37.4

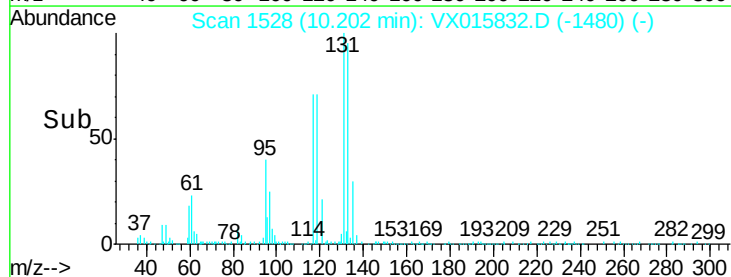
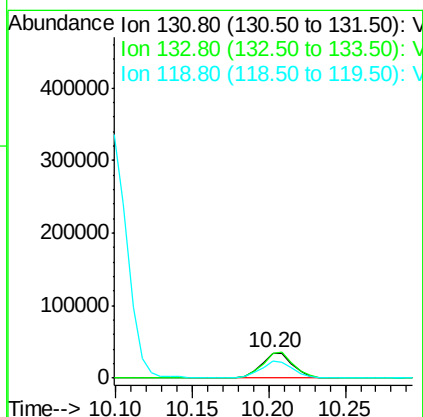
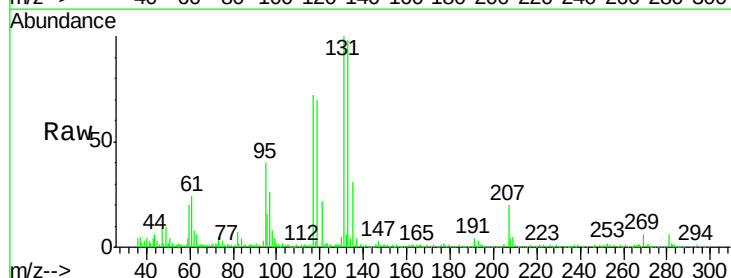
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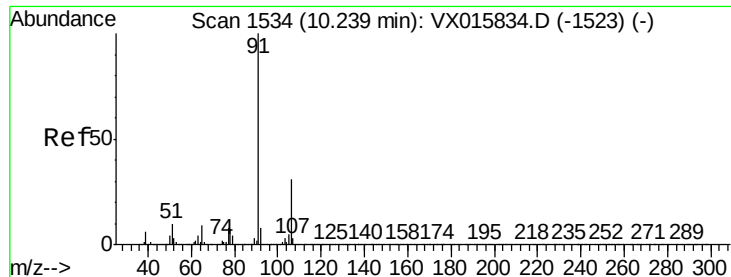
MMDadoda
4/23/2020 11:58:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.869 ug/l
RT: 10.20 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.0	141.2
119	66.8	30.9	92.8





#67

Ethyl Benzene

Concen: 5.060 ug/l

RT: 10.23 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 247667

Ion Ratio Lower Upper

91 100

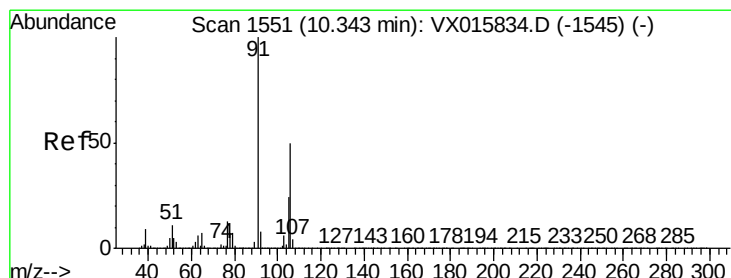
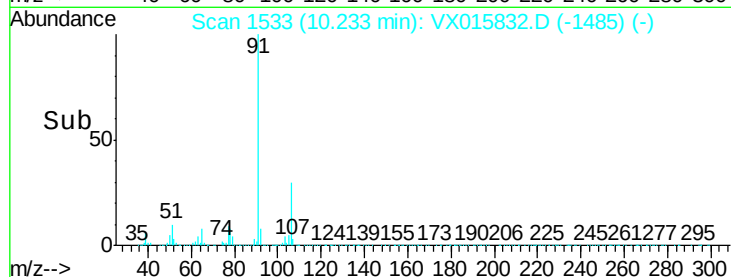
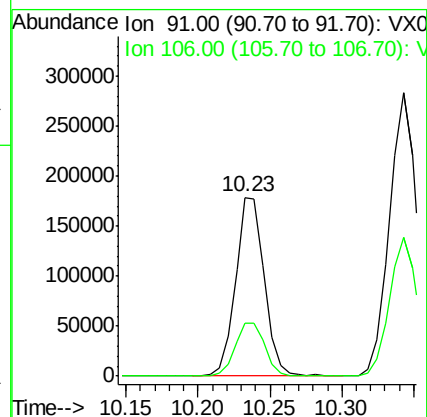
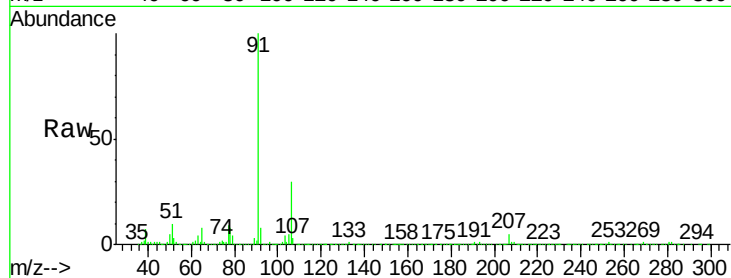
106 29.7 25.0 37.4

Manual Integrations

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MMDadoda

4/23/2020 11:58:00 AM



#68

m/p-Xylenes

Concen: 10.190 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015832.D

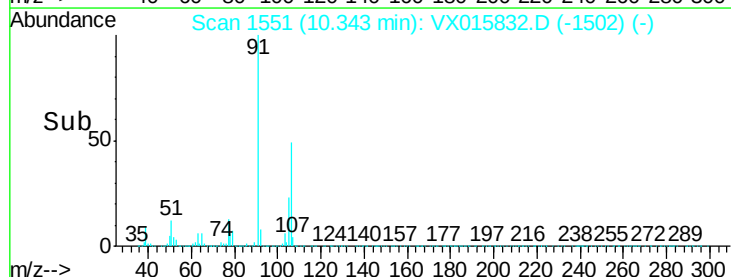
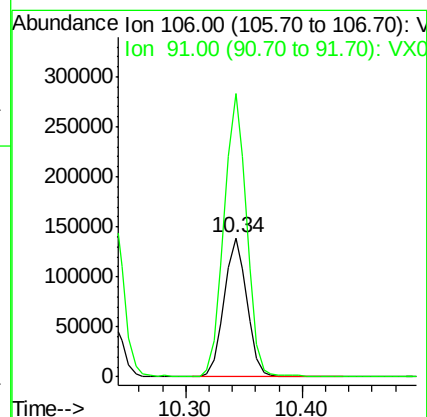
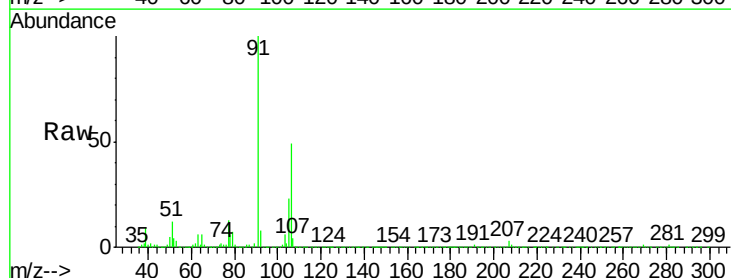
Acq: 22 Apr 2020 10:21

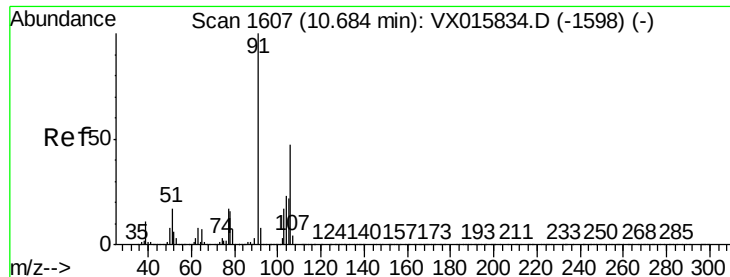
Tgt Ion: 106 Resp: 186420

Ion Ratio Lower Upper

106 100

91 202.4 161.1 241.7





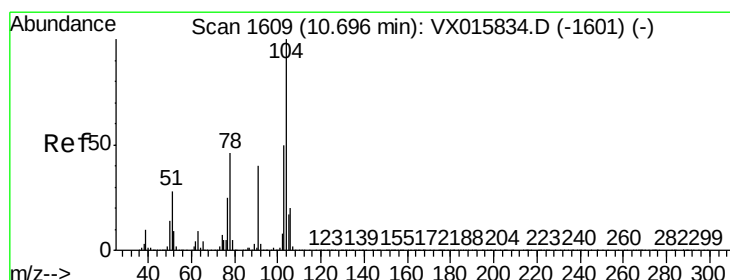
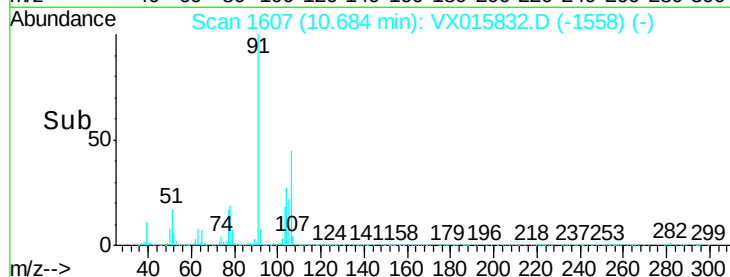
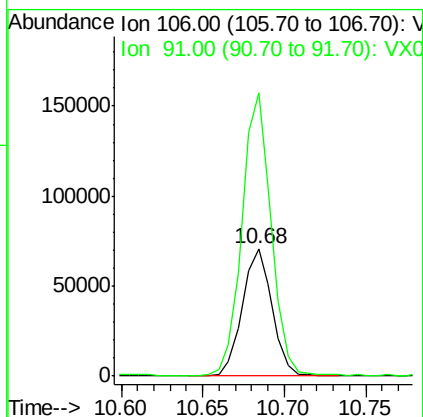
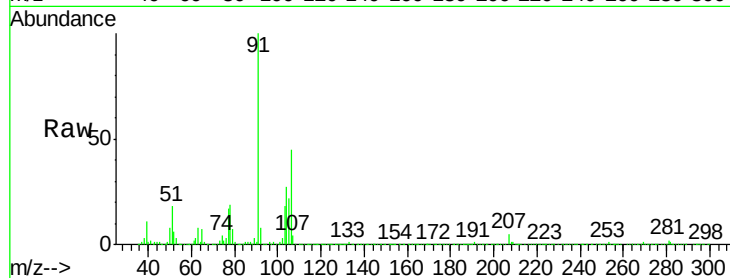
#69
o-Xylene
Concen: 4.992 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.0	107.1	321.3

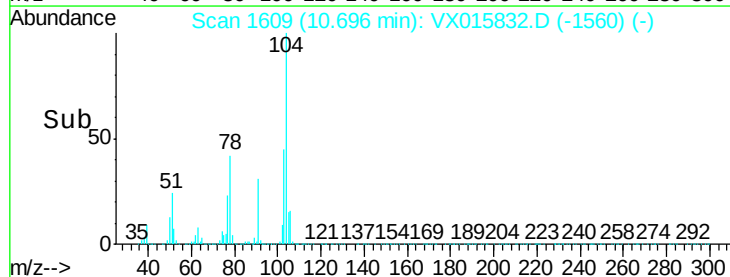
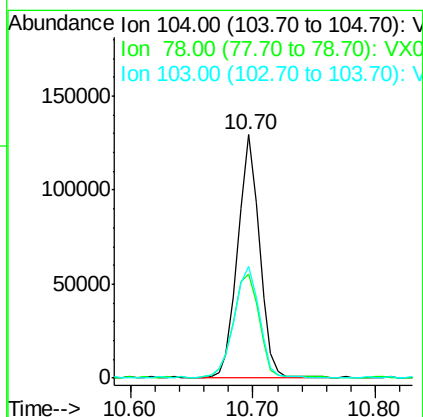
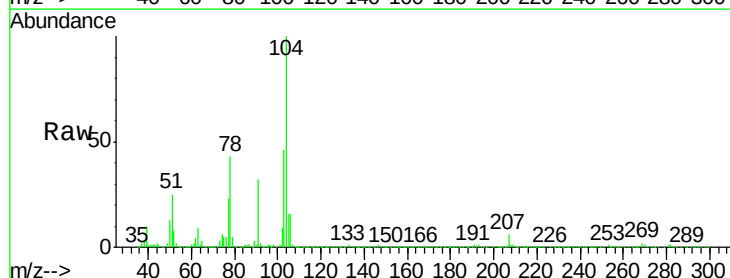
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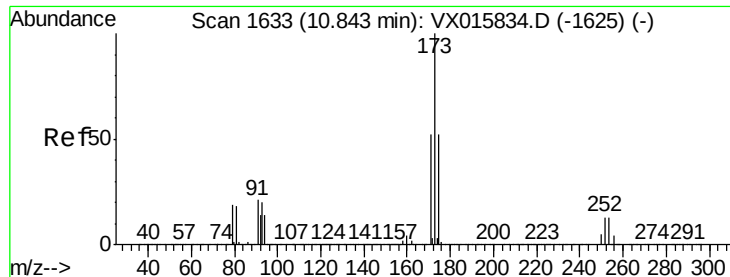
MMDadoda
4/23/2020 11:58:00 AM



#70
Styrene
Concen: 5.100 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.1	60.1
103	53.0	43.3	64.9





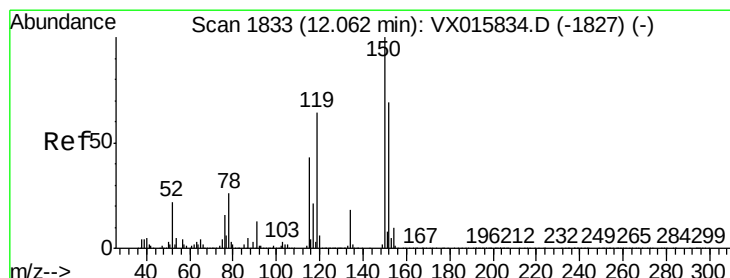
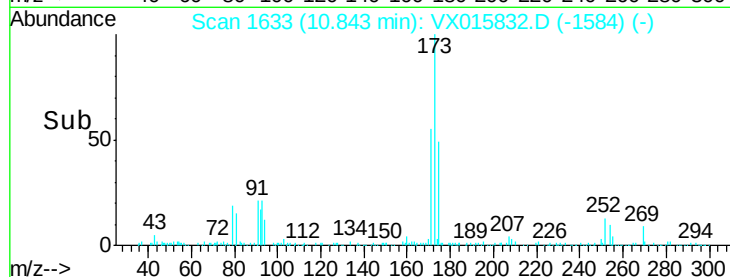
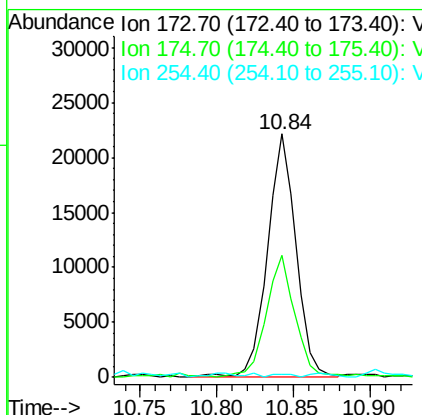
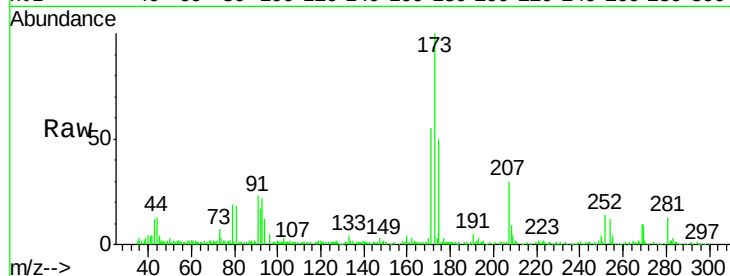
#71
Bromoform
Concen: 4.949 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	25.1	75.4
254	1.0	0.3	0.5#

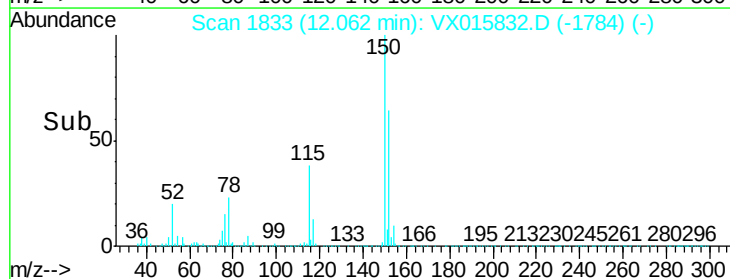
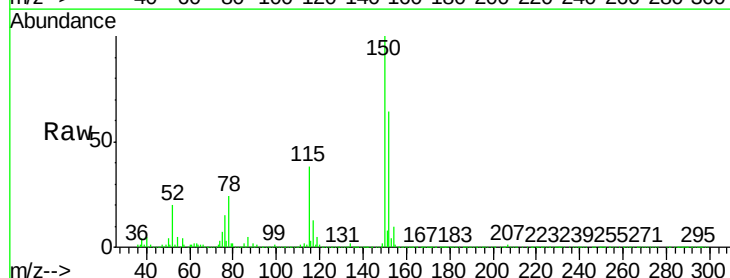
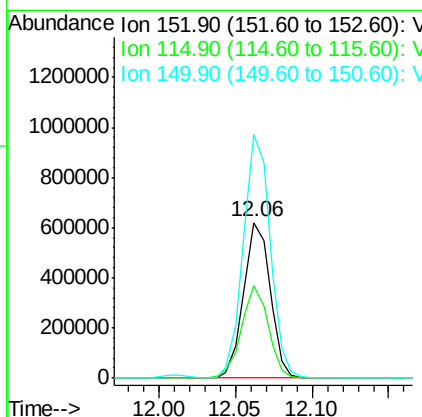
Manual Integrations
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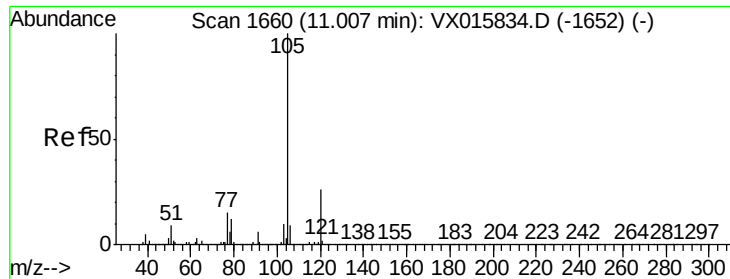
MMDadoda
4/23/2020 11:58:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	39.0	116.9
150	157.6	0.0	336.8





#73

Isopropylbenzene

Concen: 5.044 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 243244

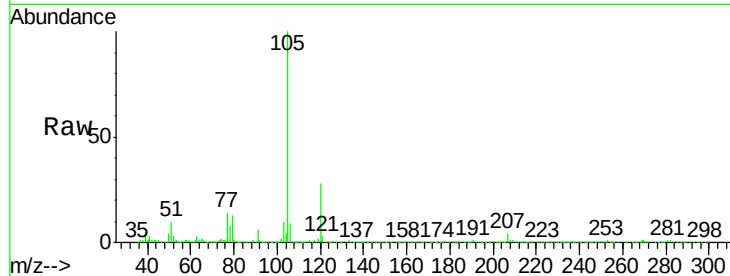
Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.1

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MMDadoda
4/23/2020 11:58:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

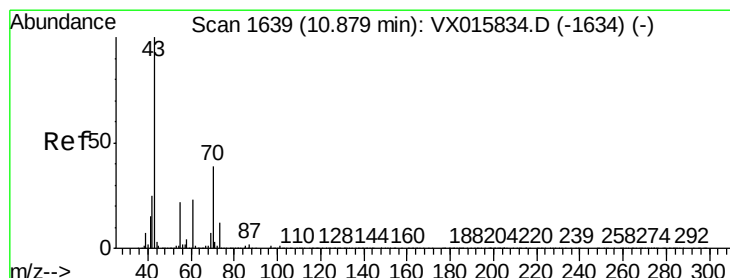
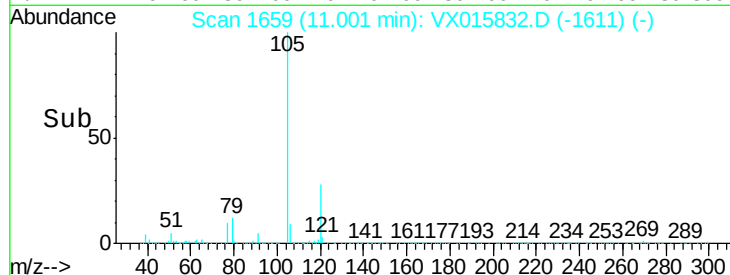
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 5.005 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion: 43 Resp: 123017

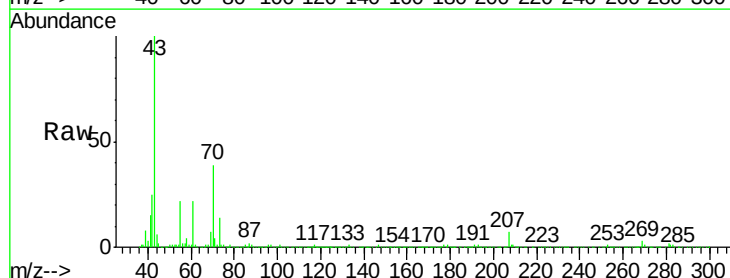
Ion Ratio Lower Upper

43 100

70 39.1 32.6 49.0

55 22.6 18.3 27.5

61 22.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

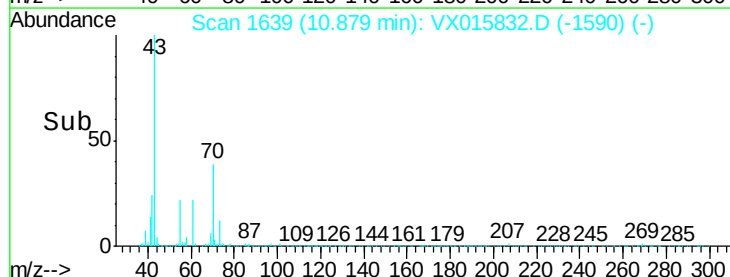
50000

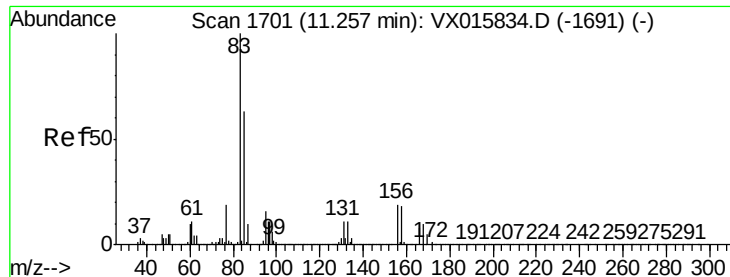
0

10.88

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.176 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

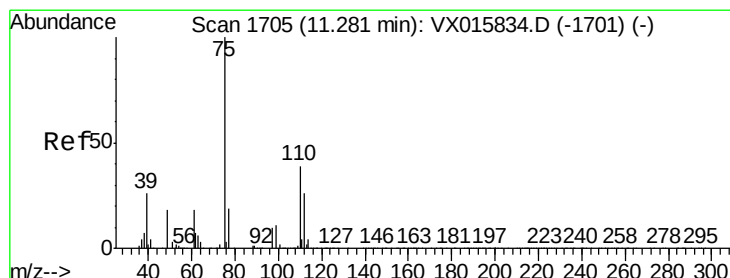
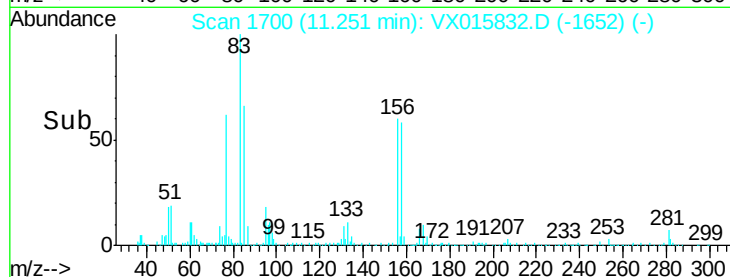
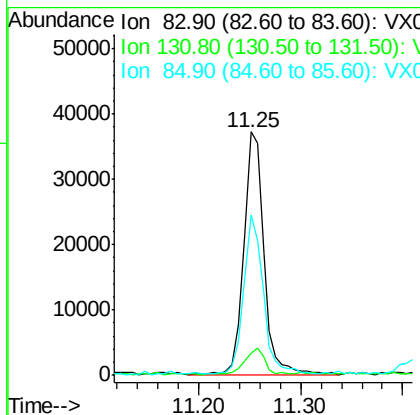
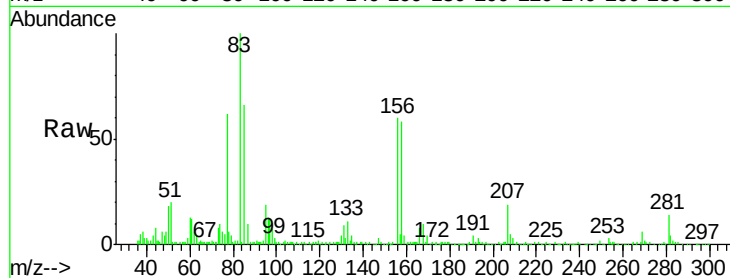
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	51435
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.0	32.4	97.0

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4/23/2020 11:58:00 AM



#76

1,2,3-Trichloropropane

Concen: 4.221 ug/l m

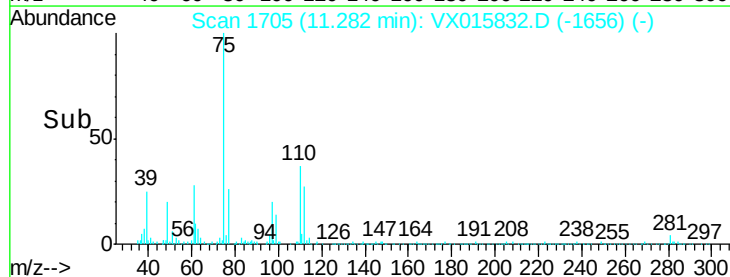
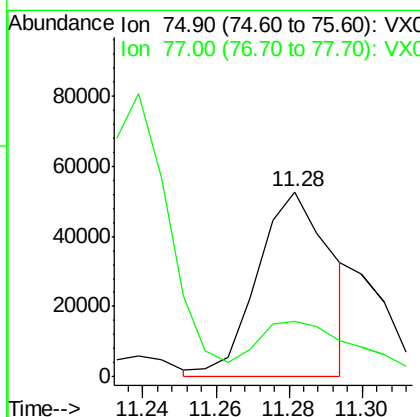
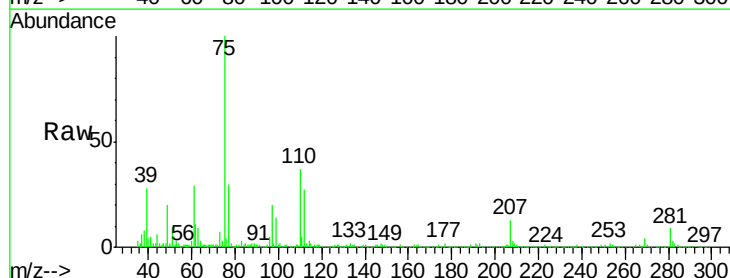
RT: 11.28 min Scan# 1705

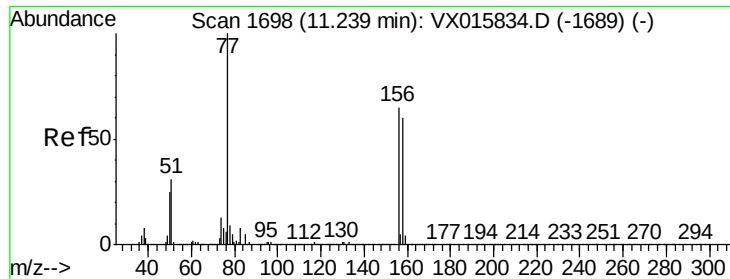
Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion:	75	Resp:	73484
Ion Ratio	Lower	Upper	
75	100		
77	39.6	21.3	63.9





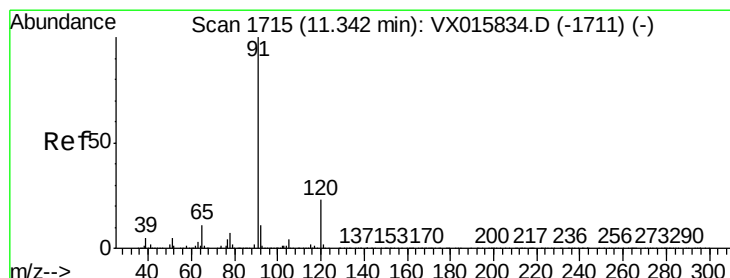
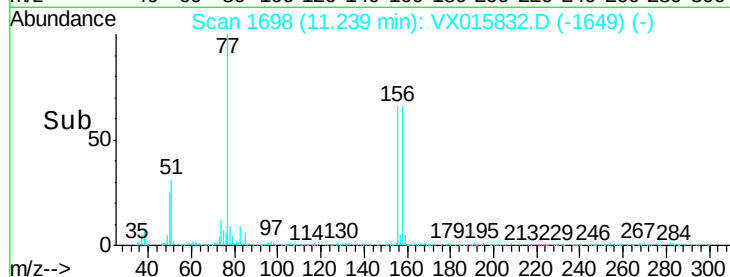
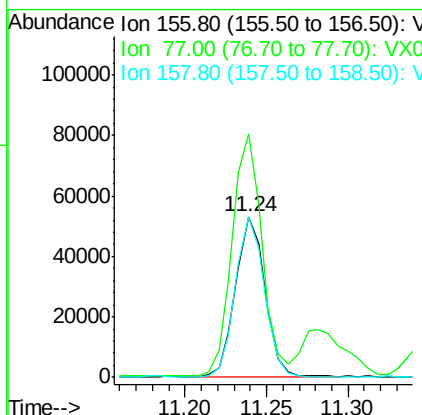
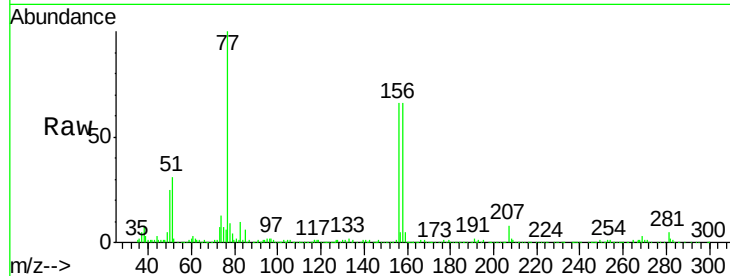
#77
Bromobenzene
Concen: 5.131 ug/l
RT: 11.24 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.8	75.2	225.6
158	97.7	47.9	143.6

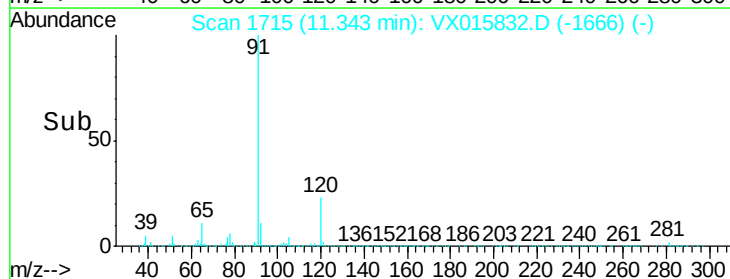
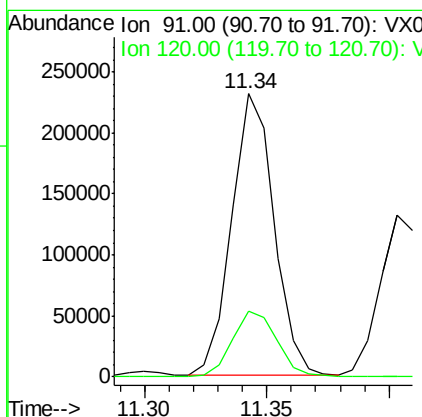
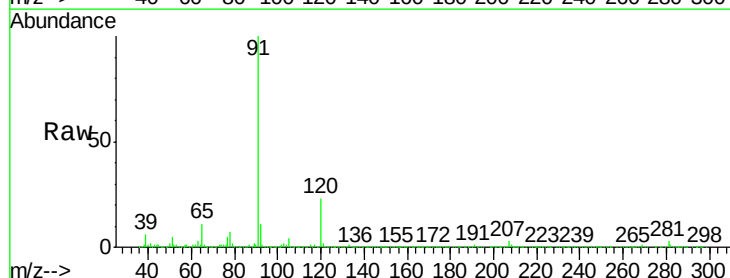
Manual Integrations
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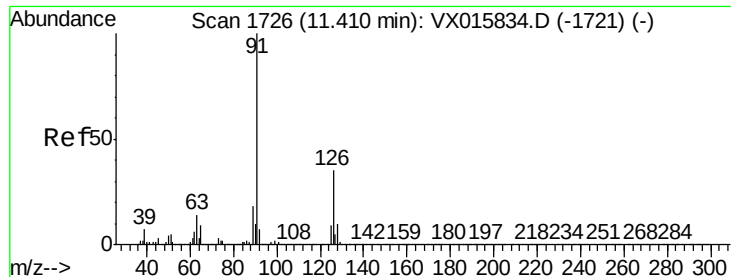
MMDadoda
4/23/2020 11:58:00 AM



#78
n-propylbenzene
Concen: 5.020 ug/l
RT: 11.34 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.7	35.1





#79

2-Chlorotoluene

Concen: 5.046 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 166151

Ion Ratio Lower Upper

91 100

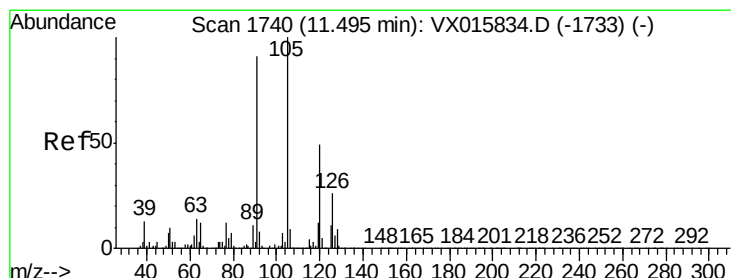
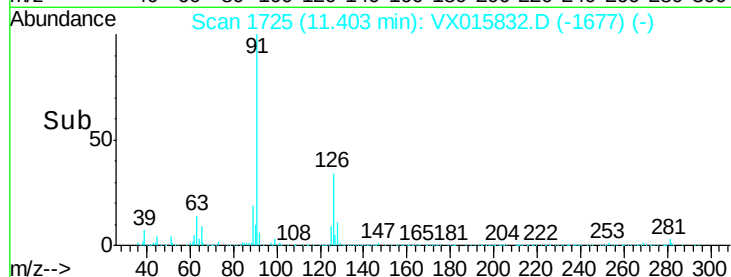
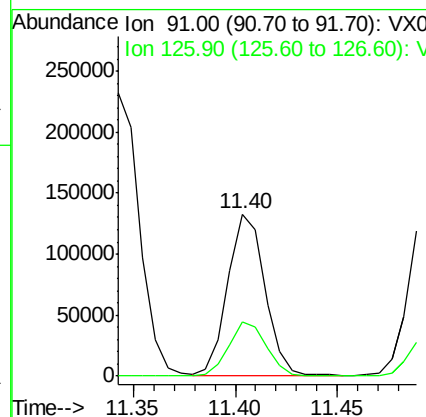
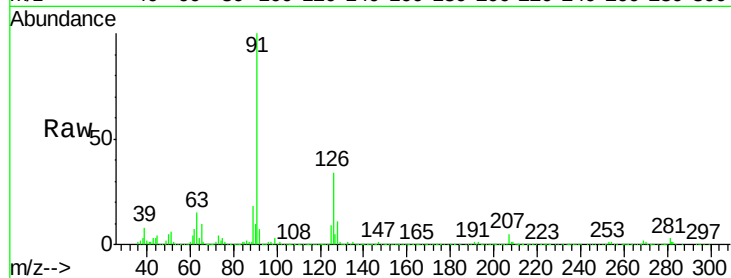
126 34.1 17.2 51.5

Manual Integrations

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MMDadoda

4/23/2020 11:58:00 AM



#80

1,3,5-Trimethylbenzene

Concen: 5.095 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015832.D

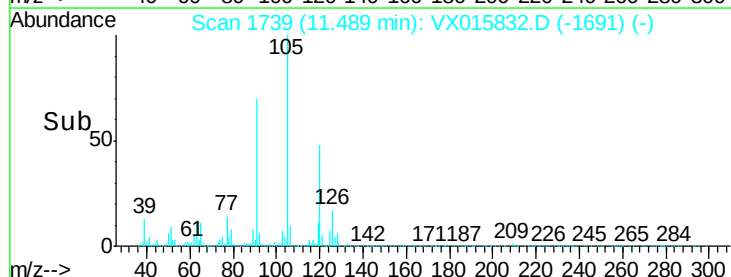
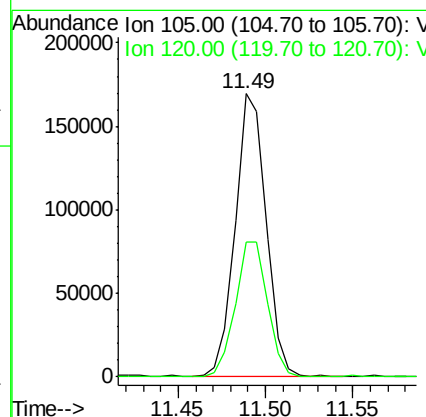
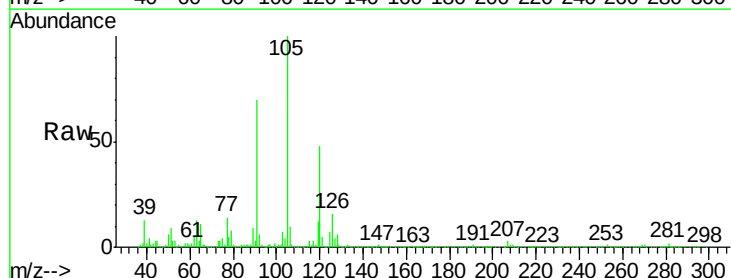
Acq: 22 Apr 2020 10:21

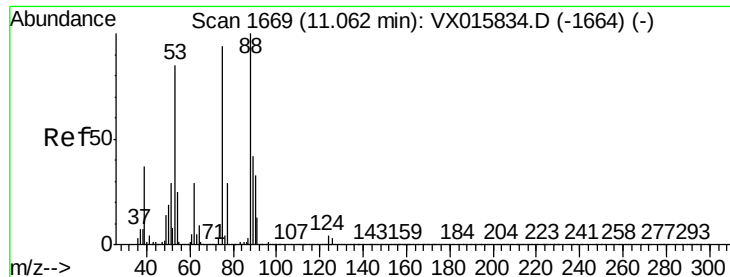
Tgt Ion: 105 Resp: 207659

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.970 ug/l

RT: 11.06 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_X

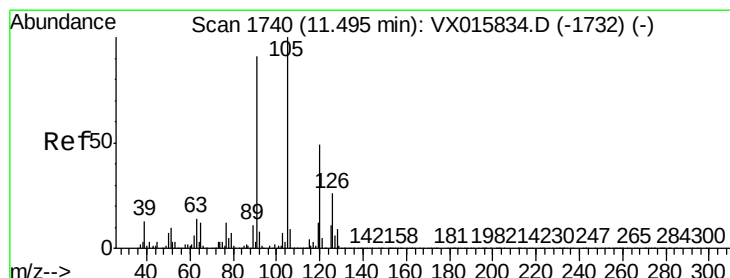
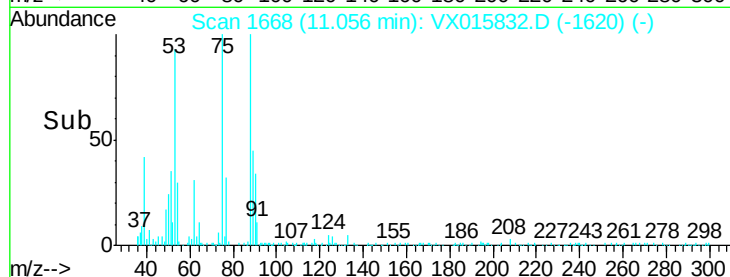
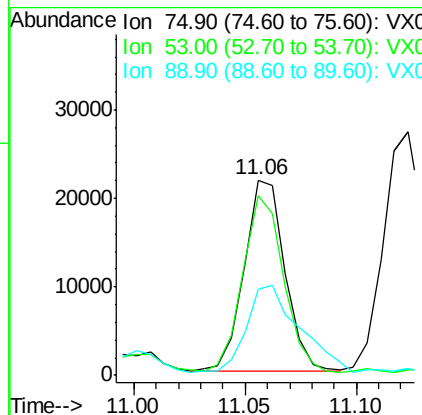
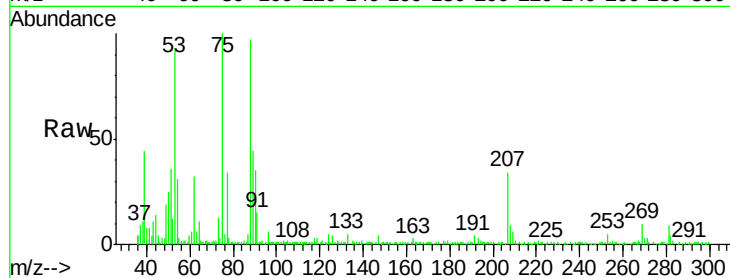
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	27647
Ion Ratio	Lower	Upper	
75	100		
53	92.2	74.2	111.2
89	59.6	38.0	57.0#

Manual Integrations
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4/23/2020 11:58:00 AM



#82

4-Chlorotoluene

Concen: 5.059 ug/l

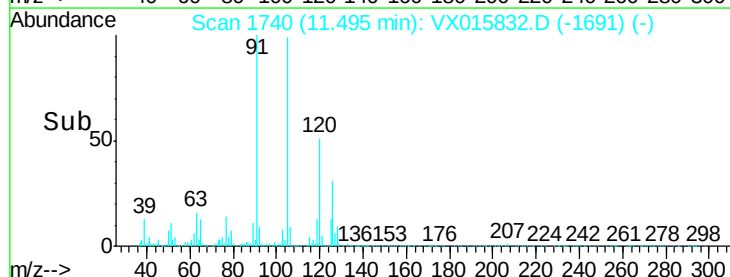
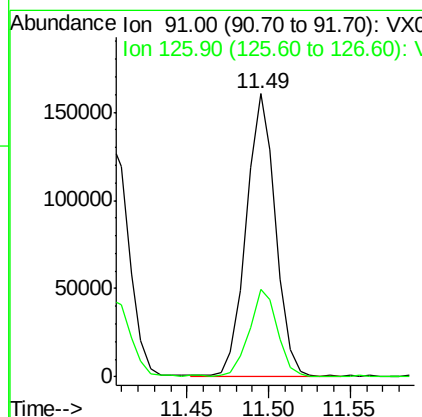
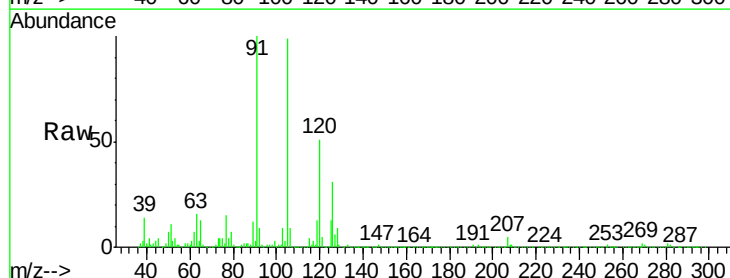
RT: 11.49 min Scan# 1740

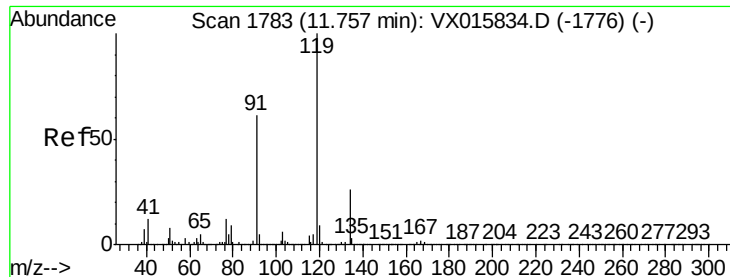
Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion:	91	Resp:	198633
Ion Ratio	Lower	Upper	
91	100		
126	30.1	15.0	45.0





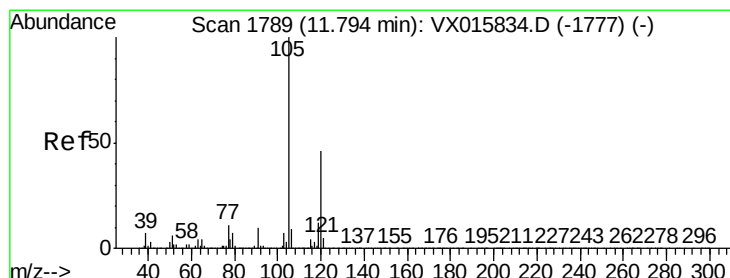
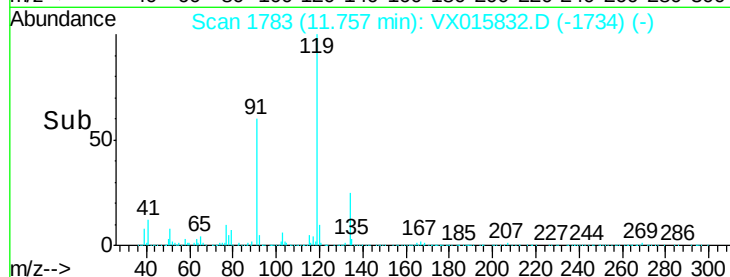
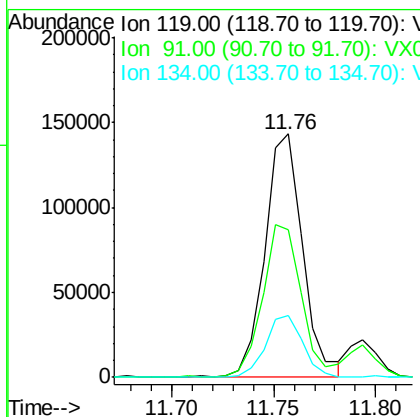
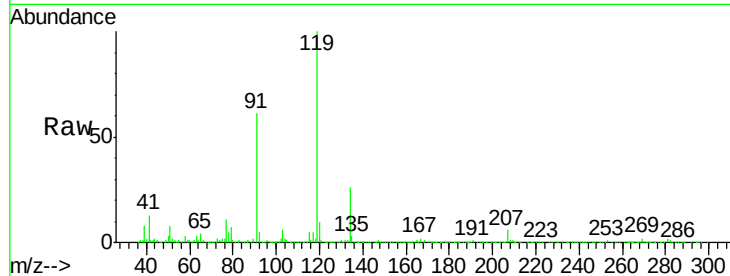
#83
tert-Butylbenzene
Concen: 5.092 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184572		
91	62.9	30.9	92.7	
134	25.5	12.4	37.2	

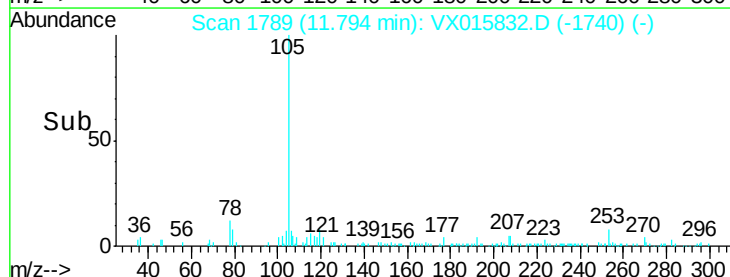
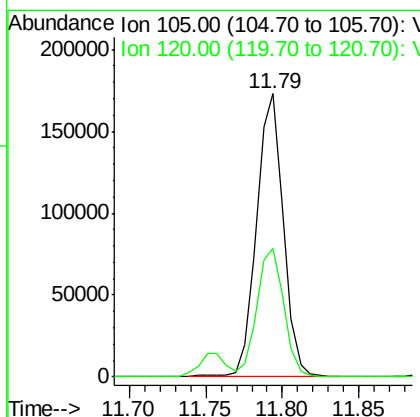
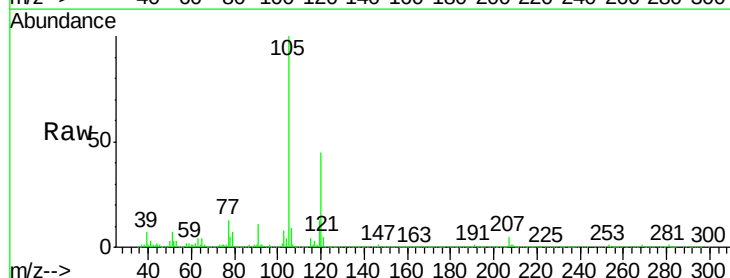
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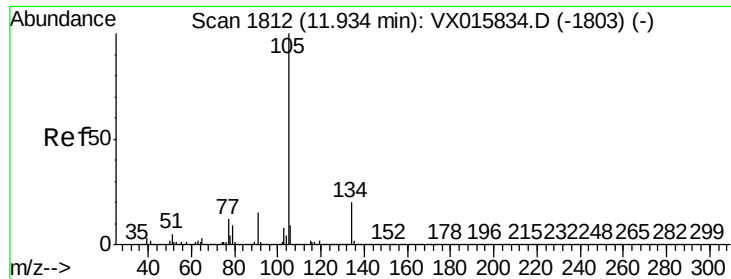
MMDadoda
4/23/2020 11:58:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.958 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210096		
120	45.0	22.9	68.7	





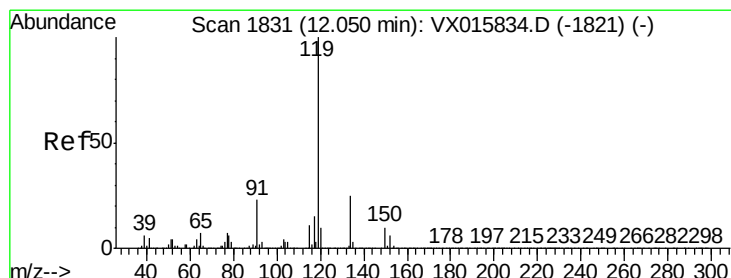
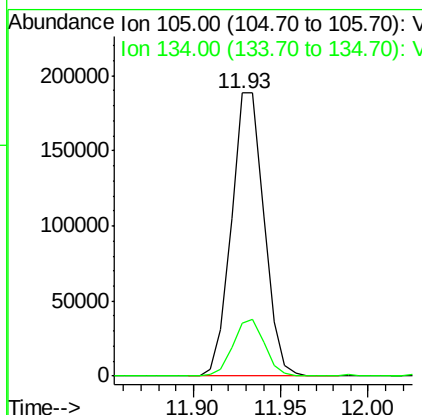
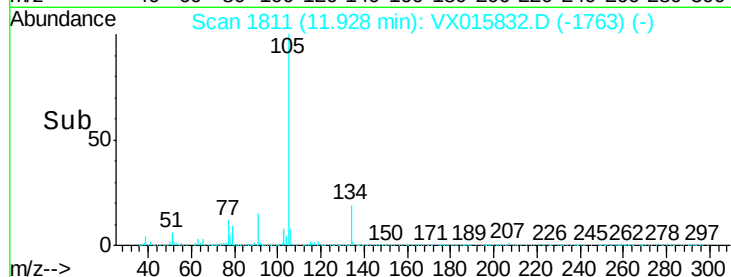
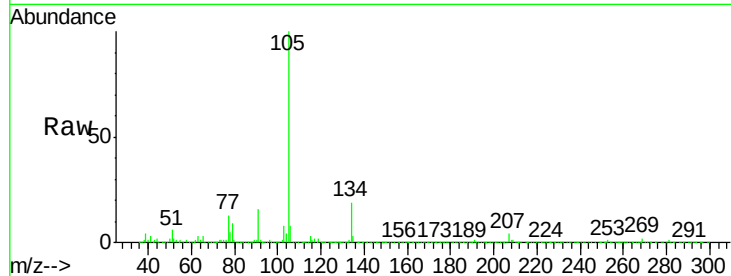
#85
 sec-Butylbenzene
 Concen: 5.097 ug/l
 RT: 11.93 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	10.3	30.8

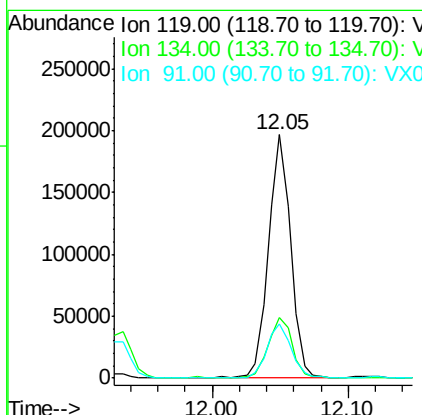
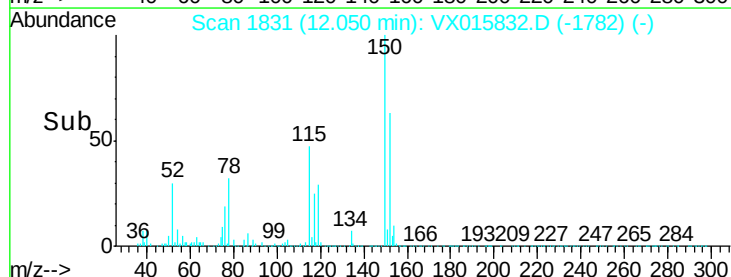
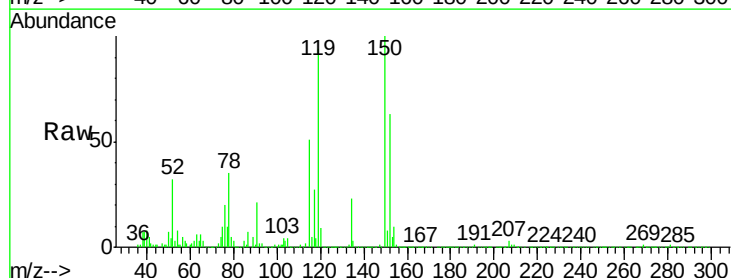
Manual Integrations
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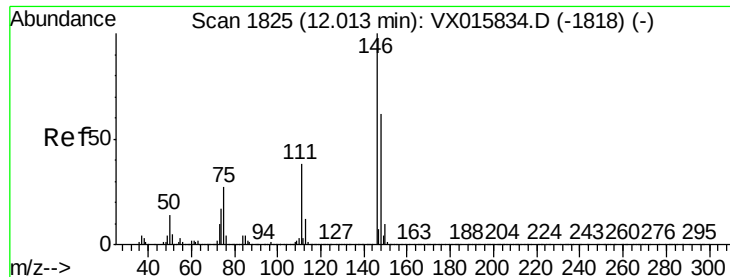
MMDadoda
 4/23/2020 11:58:00 AM



#86
 p-Isopropyltoluene
 Concen: 5.035 ug/l
 RT: 12.05 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VX015832.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	24.3	11.5	34.5





#87

1,3-Dichlorobenzene

Concen: 5.012 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

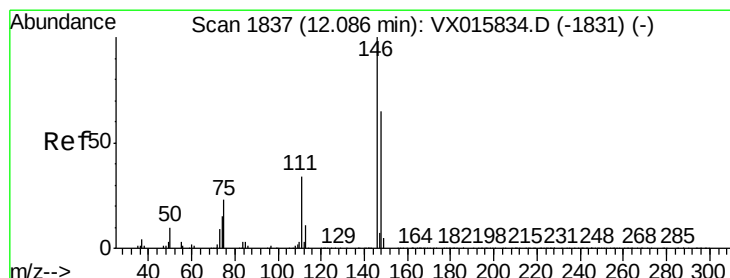
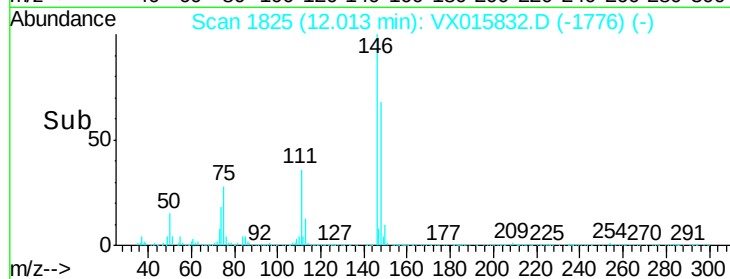
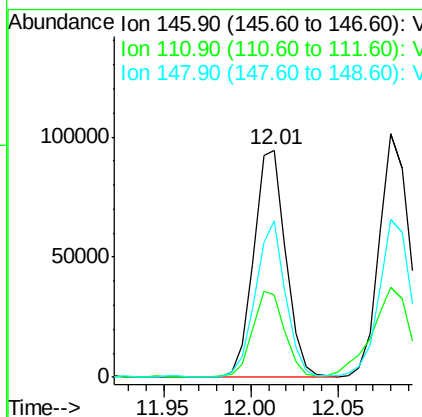
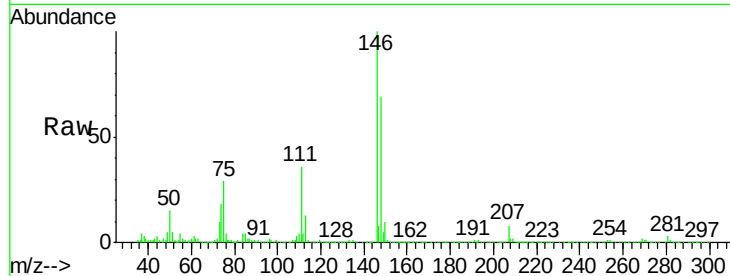
Instrument :
MSVOA_X

ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.0	30.9	92.7

Manual Integrations
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MMDadoda
4/23/2020 11:58:00 AM



#88

1,4-Dichlorobenzene

Concen: 5.094 ug/l

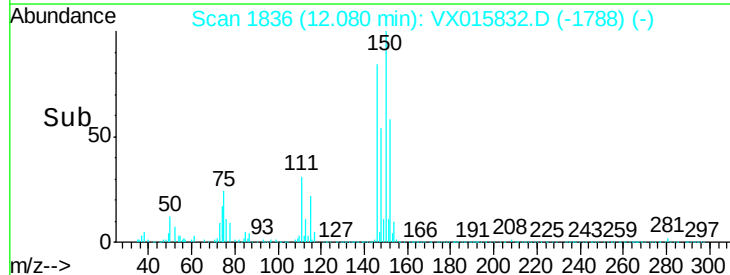
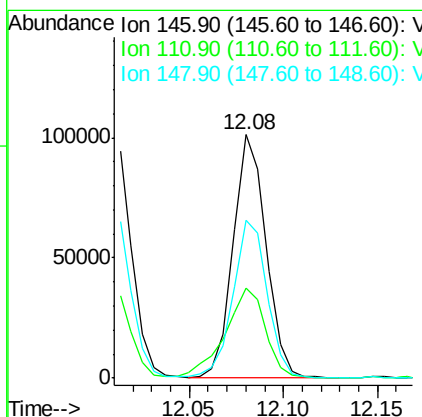
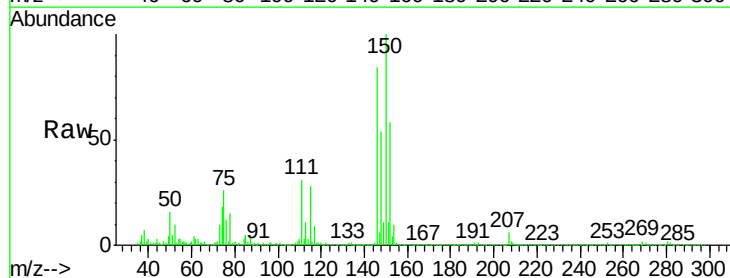
RT: 12.08 min Scan# 1836

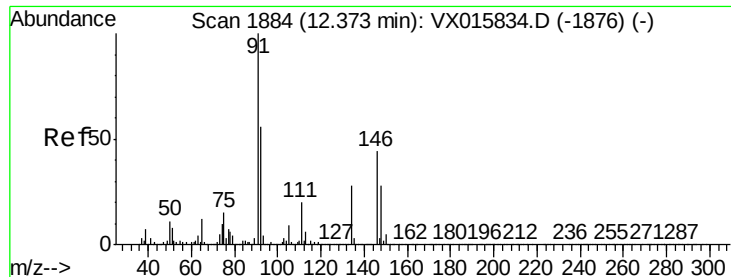
Delta R.T. -0.01 min

Lab File: VX015832.D

Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	19.4	58.2
148	67.6	33.8	101.4





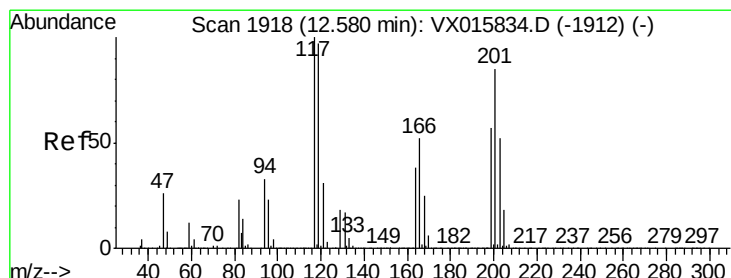
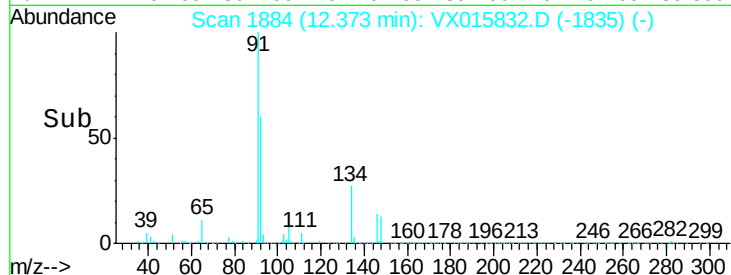
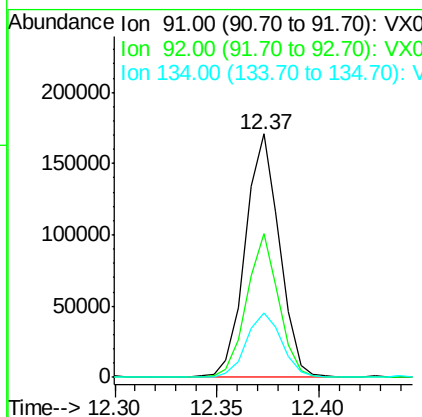
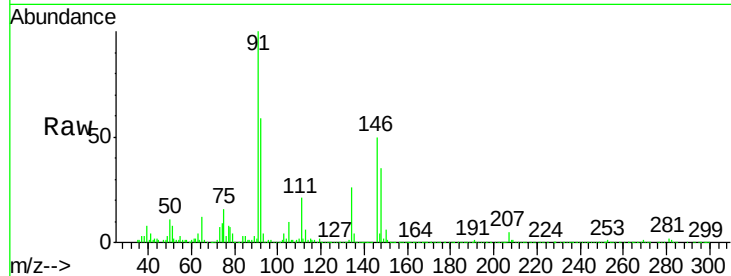
#89
n-Butylbenzene
Concen: 4.971 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.7	83.1
134	26.9	14.1	42.4

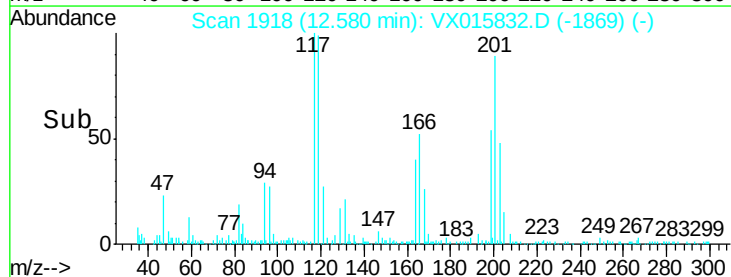
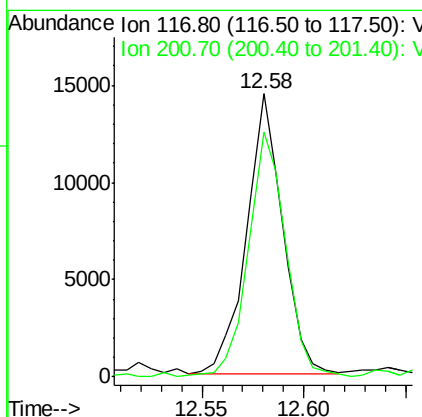
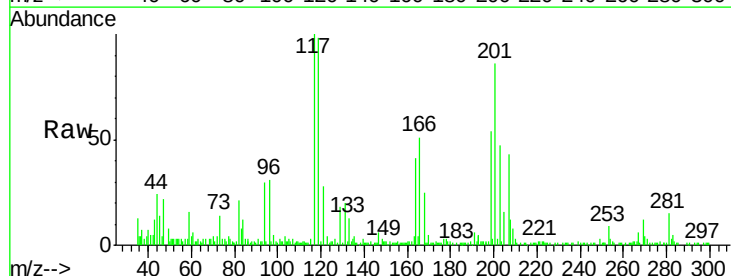
Manual Integrations
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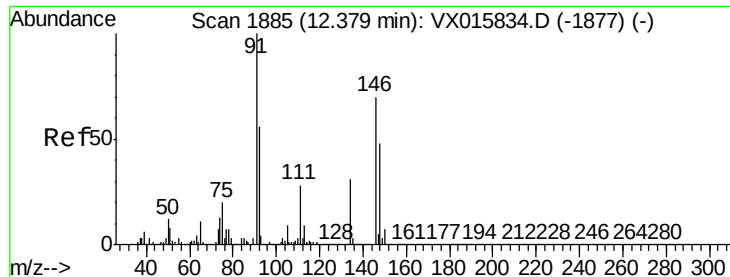
MMDadoda
4/23/2020 11:58:00 AM



#90
Hexachloroethane
Concen: 4.492 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.6	136.9





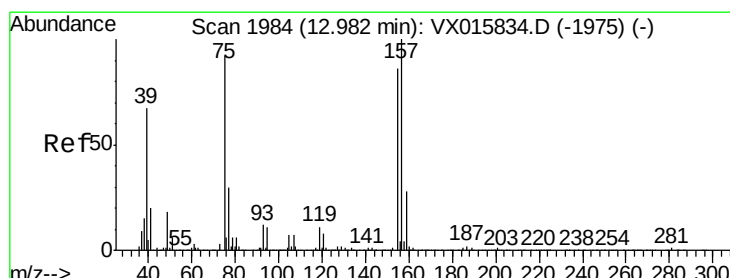
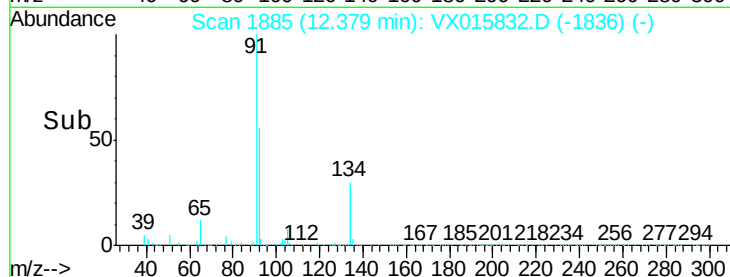
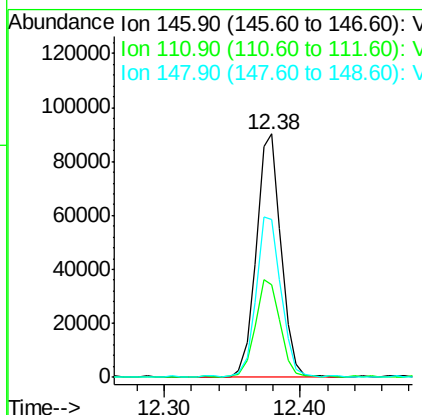
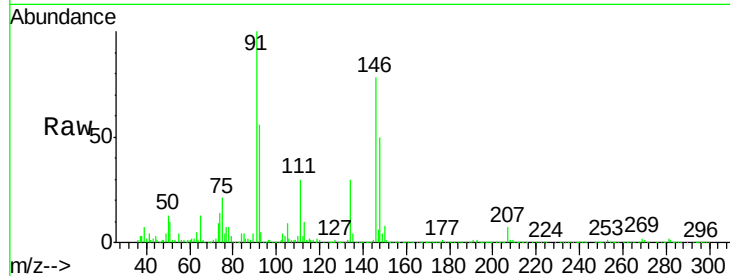
#91
1,2-Dichlorobenzene
Concen: 5.097 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115632		
111	39.8	20.3	61.0	
148	65.6	32.1	96.3	

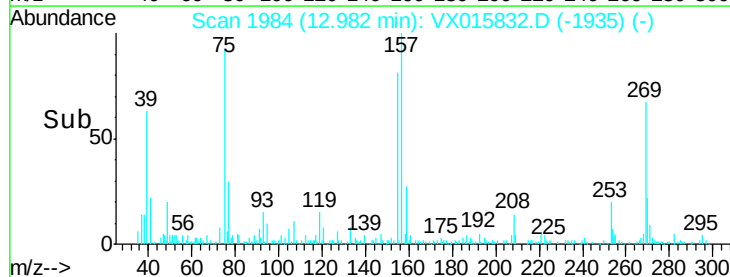
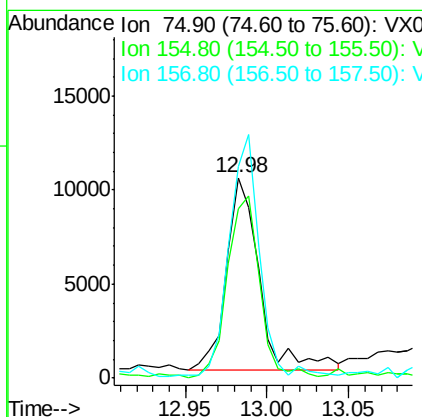
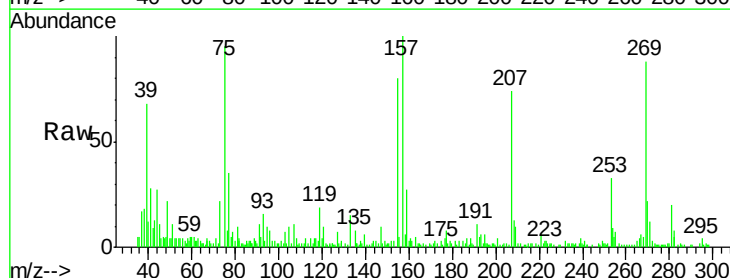
Manual Integrations
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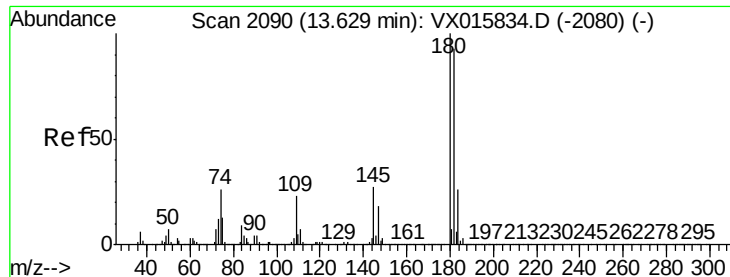
MMDadoda
4/23/2020 11:58:00 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.111 ug/l
RT: 12.98 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14589		
155	92.0	48.1	144.4	
157	114.1	58.9	176.7	





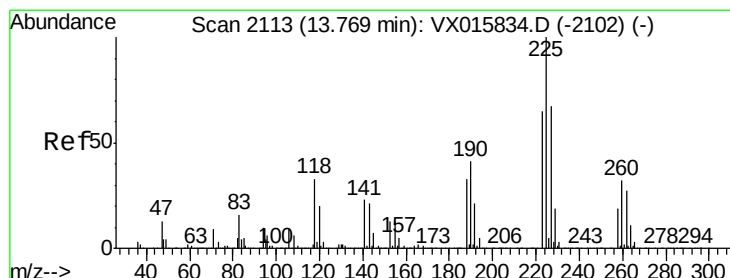
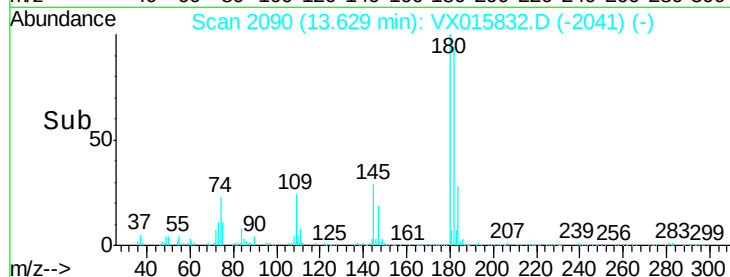
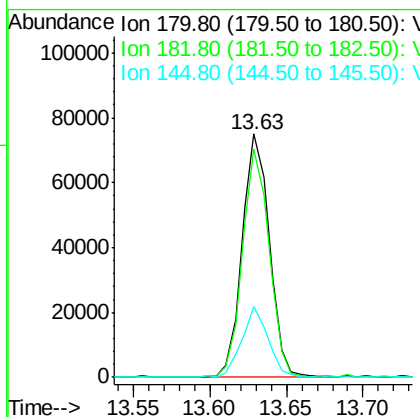
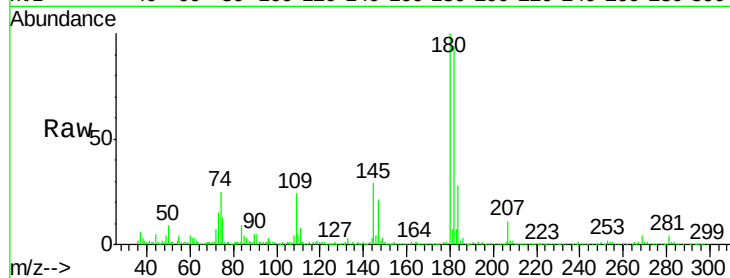
#93
1,2,4-Trichlorobenzene
Concen: 5.147 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92196		
182	92.2	47.7	143.1	
145	28.1	14.5	43.5	

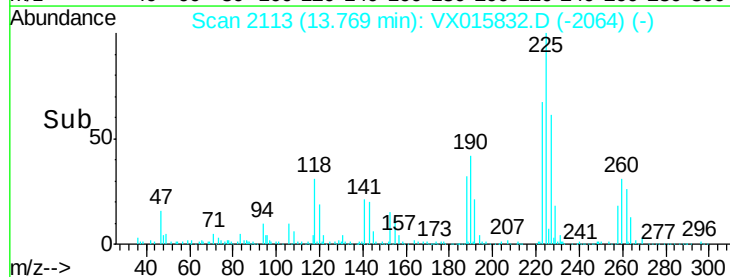
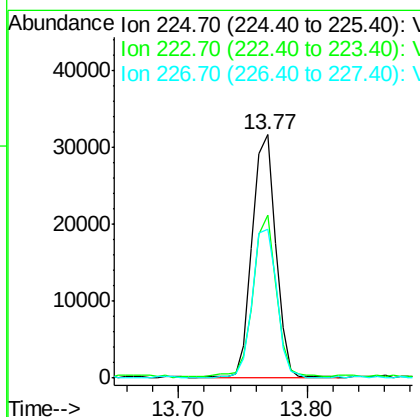
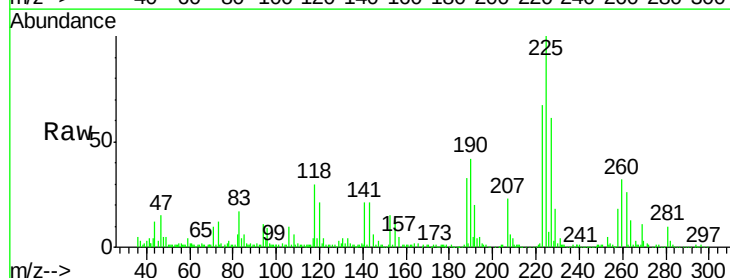
Manual Integrations
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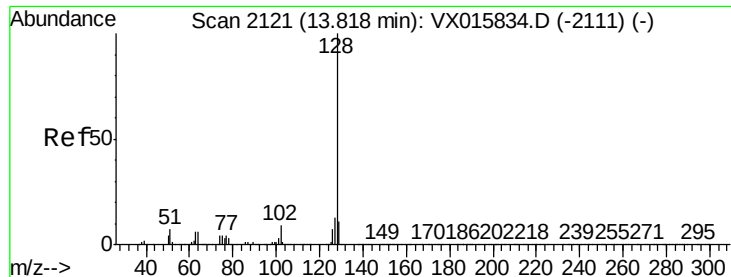
MMDadoda
4/23/2020 11:58:00 AM



#94
Hexachlorobutadiene
Concen: 5.048 ug/l
RT: 13.77 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40229		
223	64.1	31.3	93.8	
227	63.3	32.6	97.8	





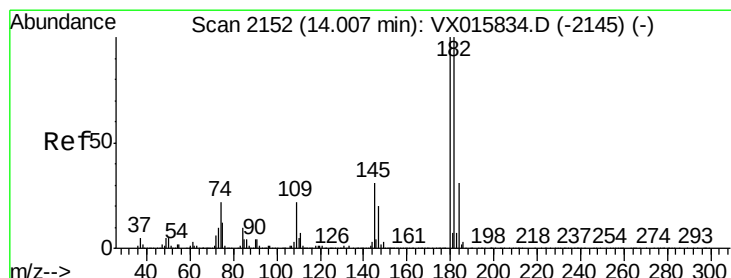
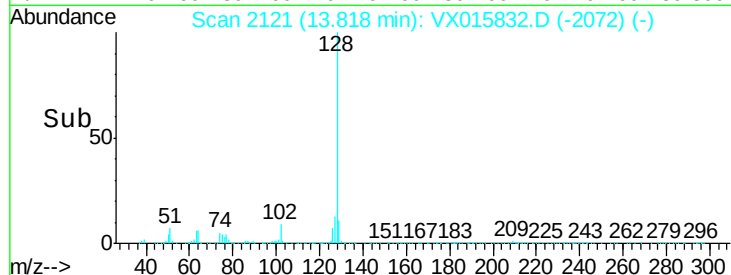
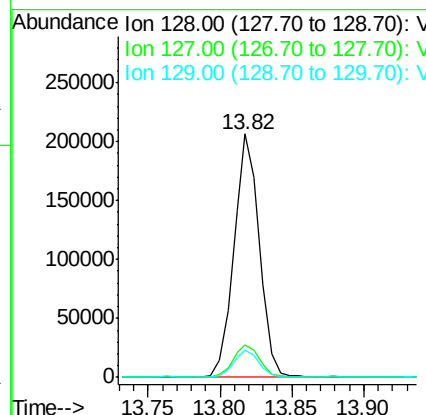
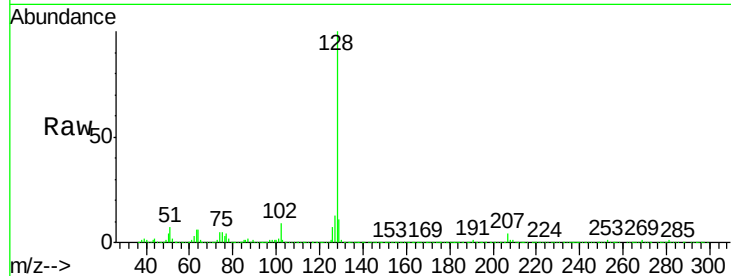
#95
Naphthalene
Concen: 4.950 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	254454		
127	13.8	10.5	15.7	
129	11.2	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
4/23/2020 11:58:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.851 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VX015832.D
Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84032		
182	98.5	47.9	143.7	
145	30.6	15.2	45.5	

