

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017485.D
 Acq On : 23 Jul 2020 11:37
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 7/24/2020 1:00:55 PM

Quant Time: Jul 23 12:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 23 11:43:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	596210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	936585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	820268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	446559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	769524	100.98	ug/l	0.00
Spiked Amount			Recovery	=	201.96%	
35) Dibromofluoromethane	5.46	113	629369	99.05	ug/l	0.00
Spiked Amount			Recovery	=	198.10%	
50) Toluene-d8	8.70	98	2326858	102.05	ug/l	0.00
Spiked Amount			Recovery	=	204.10%	
62) 4-Bromofluorobenzene	11.12	95	979459	109.35	ug/l	0.00
Spiked Amount			Recovery	=	218.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	550285	108.765	ug/l	98
3) Chloromethane	1.31	50	734874	123.388	ug/l	98
4) Vinyl Chloride	1.39	62	716155	122.878	ug/l	100
5) Bromomethane	1.62	94	385012	102.451	ug/l	99
6) Chloroethane	1.70	64	414957	113.342	ug/l	98
7) Trichlorofluoromethane	1.91	101	1099419	113.680	ug/l	100
8) Diethyl Ether	2.17	74	385665	110.655	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	580569	104.908	ug/l	98
10) Methyl Iodide	2.49	142	820421	119.842	ug/l	99
11) Tert butyl alcohol	3.03	59	817430	606.047	ug/l	100
12) 1,1-Dichloroethene	2.35	96	590635	106.571	ug/l	99
13) Acrolein	2.28	56	634756	789.512	ug/l	100
14) Allyl chloride	2.70	41	1044258	107.176	ug/l	98
15) Acrylonitrile	3.12	53	1641195	519.138	ug/l	100
16) Acetone	2.42	43	1604403	571.461	ug/l	100
17) Carbon Disulfide	2.54	76	1669501	103.176	ug/l	98
18) Methyl Acetate	2.75	43	742396	107.177	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	2071598	109.742	ug/l	100
20) Methylene Chloride	2.83	84	594757	89.457	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	597899	95.526	ug/l	97
22) Diisopropyl ether	3.83	45	1917814	105.729	ug/l #	85
23) Vinyl Acetate	3.79	43	9113551	567.686	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1163459	109.491	ug/l	100
25) 2-Butanone	4.64	43	2420959	557.390	ug/l	98
26) 2,2-Dichloropropane	4.55	77	1006144	102.347	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	694020	101.892	ug/l	100
28) Bromochloromethane	4.98	49	501509	102.286	ug/l	100
29) Tetrahydrofuran	5.09	42	1557375	555.957	ug/l	98
30) Chloroform	5.18	83	1128458	99.379	ug/l	98
31) Cyclohexane	5.55	56	993257	115.024	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	1115054	106.183	ug/l	99
36) 1,1-Dichloropropene	5.77	75	833953	97.147	ug/l	100
37) Ethyl Acetate	4.80	43	1030933	112.466	ug/l	99
38) Carbon Tetrachloride	5.76	117	995145	98.670	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1071992	114.809	ug/l	96
40) Benzene	6.11	78	2298770	92.847	ug/l	99
41) Methacrylonitrile	5.01	41	528845	108.001	ug/l	99
42) 1,2-Dichloroethane	6.17	62	984175	101.140	ug/l	99
43) Isopropyl Acetate	6.42	43	1570031	105.829	ug/l	100
44) Trichloroethene	7.19	130	709671	94.748	ug/l	94
45) 1,2-Dichloropropane	7.49	63	707165	111.598	ug/l	98
46) Dibromomethane	7.64	93	483780	106.037	ug/l	97
47) Bromodichloromethane	7.88	83	988821	103.703	ug/l	96
48) Methyl methacrylate	7.74	41	849313	122.625	ug/l	99
49) 1,4-Dioxane	7.72	88	335620	2405.162	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4695782	529.536	ug/l	100
52) Toluene	8.77	92	1622880	102.864	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	1095503	104.992	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	1081730	98.636	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	639015	96.072	ug/l	99
56) Ethyl methacrylate	9.16	69	1032712	108.028	ug/l	100
57) 1,3-Dichloropropane	9.35	76	1039680	93.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2581993	532.810	ug/l	100
59) 2-Hexanone	9.48	43	3593513	534.342	ug/l	99
60) Dibromochloromethane	9.57	129	851631	104.225	ug/l	99
61) 1,2-Dibromoethane	9.65	107	708775	97.743	ug/l	99
64) Tetrachloroethene	9.32	164	667068	94.019	ug/l	96
65) Chlorobenzene	10.12	112	1823199	108.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	712076	106.468	ug/l	98
67) Ethyl Benzene	10.24	91	3062002	109.910	ug/l	99
68) m/p-Xylenes	10.34	106	2325956	218.548	ug/l	100
69) o-Xylene	10.68	106	1125631	110.699	ug/l	99
70) Styrene	10.70	104	1992187	113.915	ug/l	100
71) Bromoform	10.84	173	651328	114.496	ug/l #	99
73) Isopropylbenzene	11.00	105	3079581	109.375	ug/l	98
74) N-amyl acetate	10.88	43	1413362	121.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	968599	112.777	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	891270m	106.404	ug/l	
77) Bromobenzene	11.24	156	864092	107.677	ug/l	96
78) n-propylbenzene	11.35	91	3570373	113.210	ug/l	99
79) 2-Chlorotoluene	11.41	91	2303619	118.178	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	2881704	119.792	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	388354	117.105	ug/l	98
82) 4-Chlorotoluene	11.49	91	2716568	117.415	ug/l	99
83) tert-Butylbenzene	11.76	119	2663886	115.082	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2759898	114.048	ug/l	99
85) sec-Butylbenzene	11.93	105	3066950	113.409	ug/l	100
86) p-Isopropyltoluene	12.05	119	2863707	111.675	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1474536	102.903	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	1463189	100.954	ug/l	99
89) n-Butylbenzene	12.37	91	2799766	127.222	ug/l	100
90) Hexachloroethane	12.58	117	595530	121.714	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	1528369	113.263	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	266947	115.547	ug/l	99

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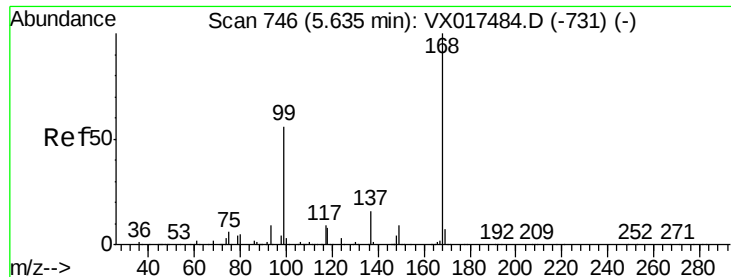
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1010524	107.013	ug/l	99
94) Hexachlorobutadiene	13.77	225	437082	111.148	ug/l	99
95) Naphthalene	13.82	128	3212979	114.990	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1000575	109.051	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 596210

Ion Ratio Lower Upper

168 100

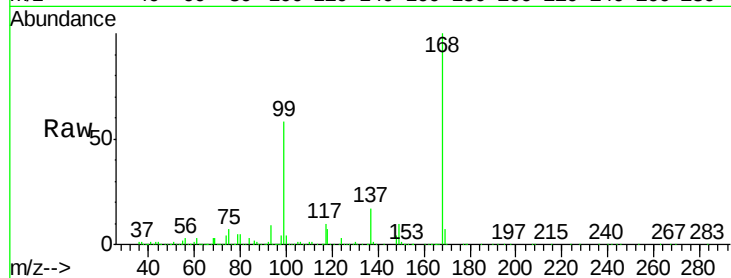
99 57.8 44.6 67.0

Manual Integrations

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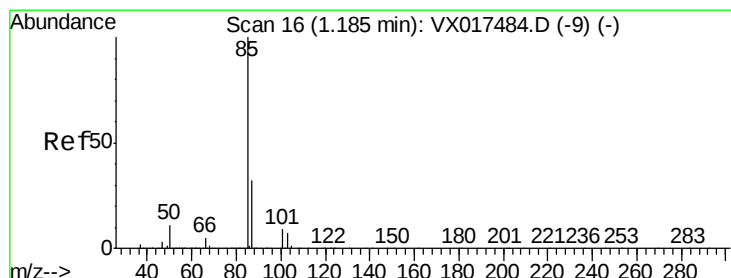
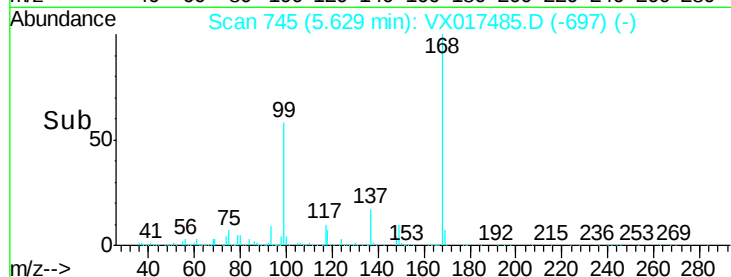
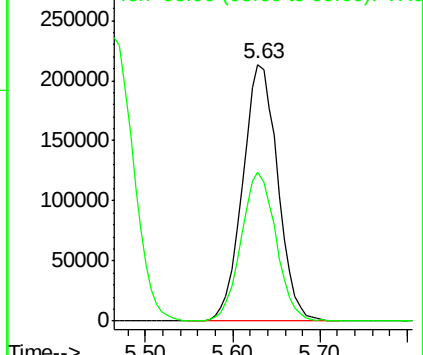
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 108.765 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017485.D

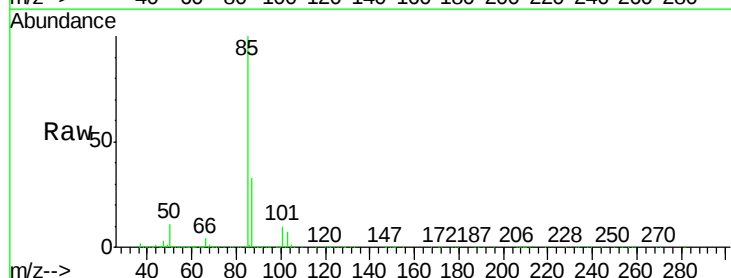
Acq: 23 Jul 2020 11:37

Tgt Ion: 85 Resp: 550285

Ion Ratio Lower Upper

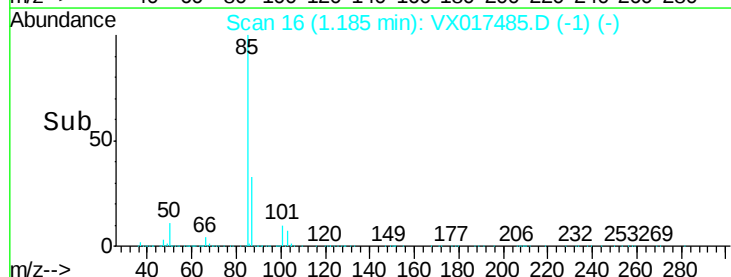
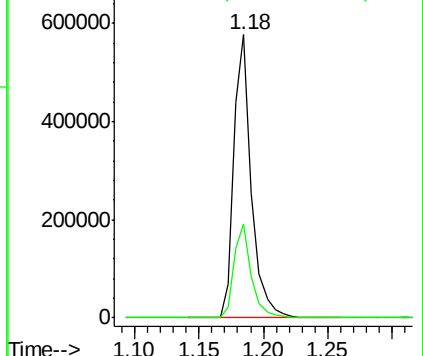
85 100

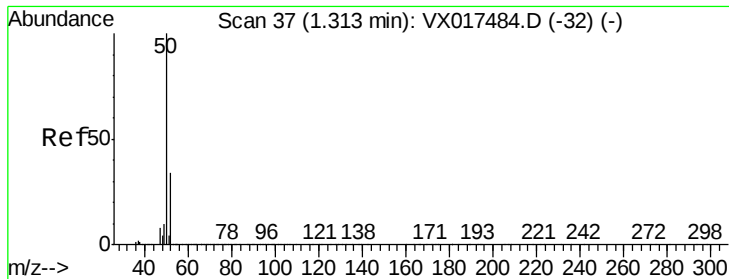
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 123.388 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 734874

Ion Ratio Lower Upper

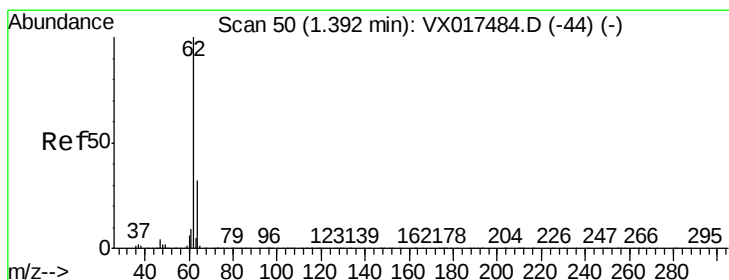
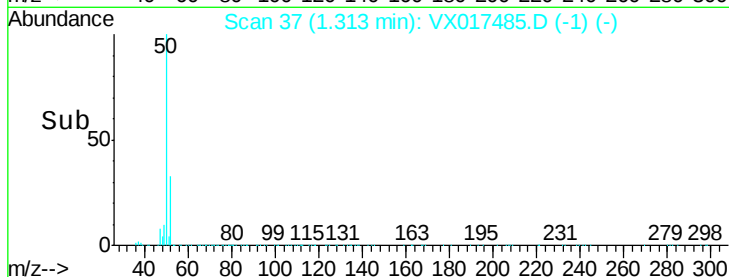
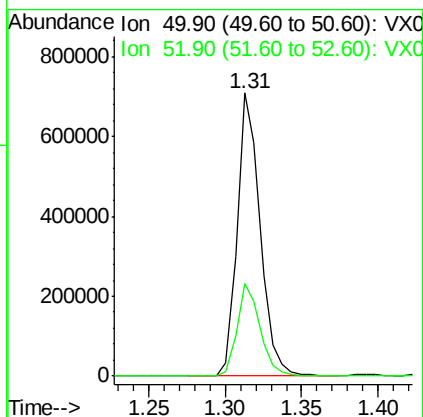
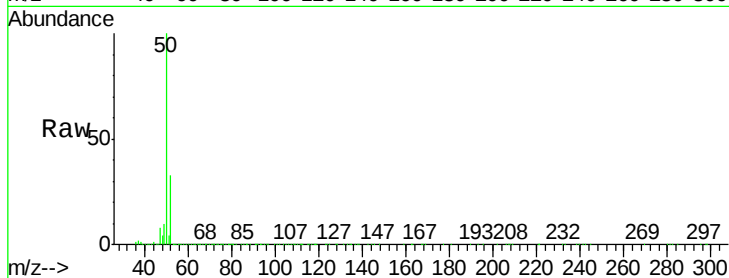
50 100

52 32.7 27.1 40.7

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#4

Vinyl Chloride

Concen: 122.878 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017485.D

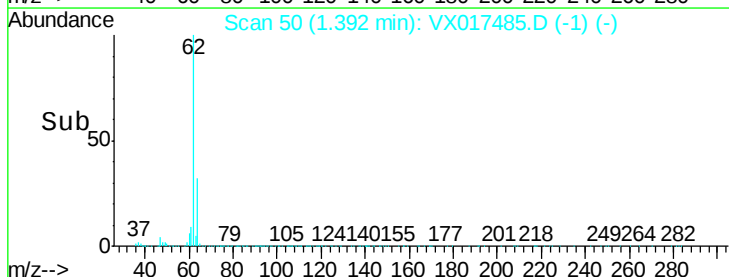
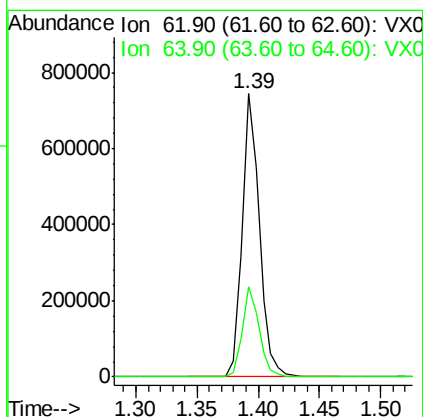
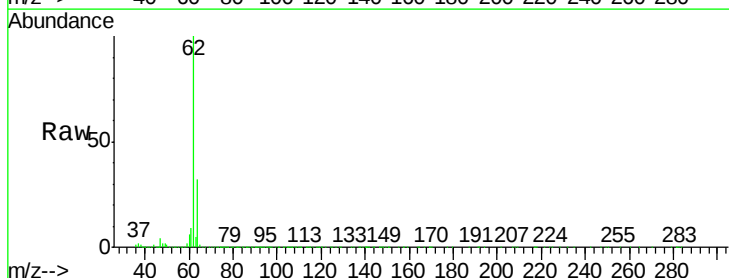
Acq: 23 Jul 2020 11:37

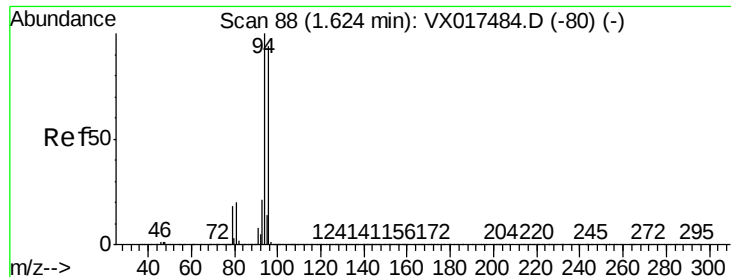
Tgt Ion: 62 Resp: 716155

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 102.451 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 385012

Ion Ratio Lower Upper

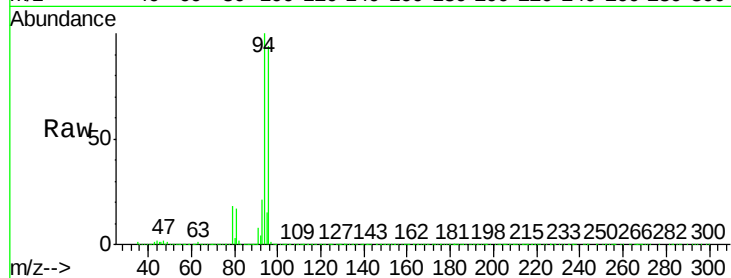
94 100

96 93.9 75.5 113.3

Manual Integrations
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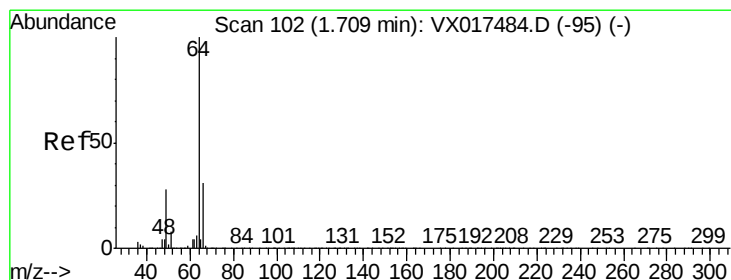
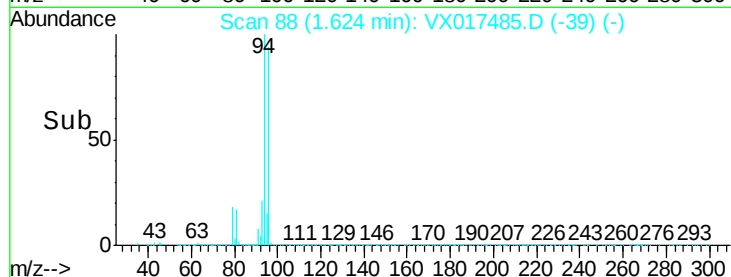
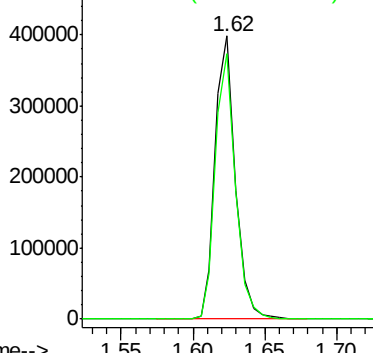
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 113.342 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017485.D

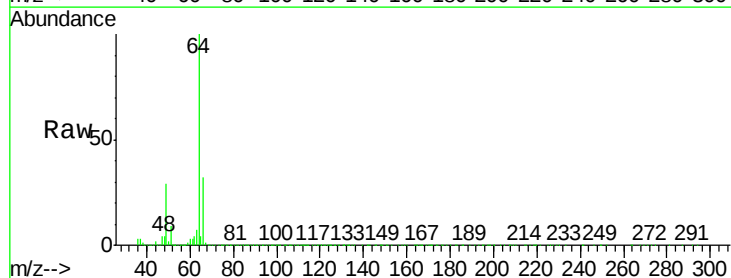
Acq: 23 Jul 2020 11:37

Tgt Ion: 64 Resp: 414957

Ion Ratio Lower Upper

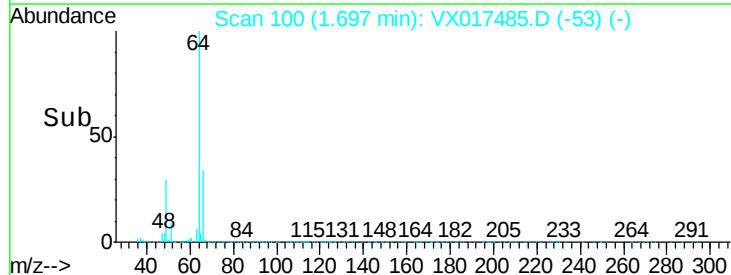
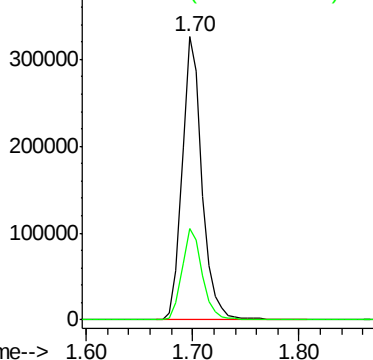
64 100

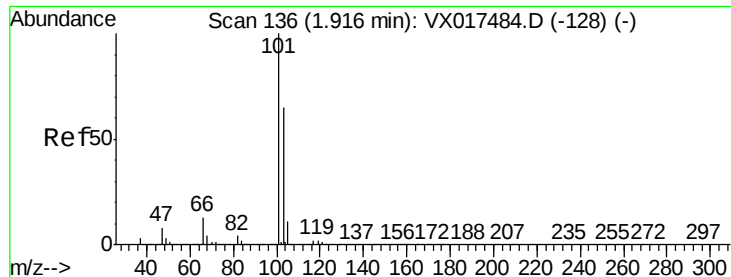
66 32.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

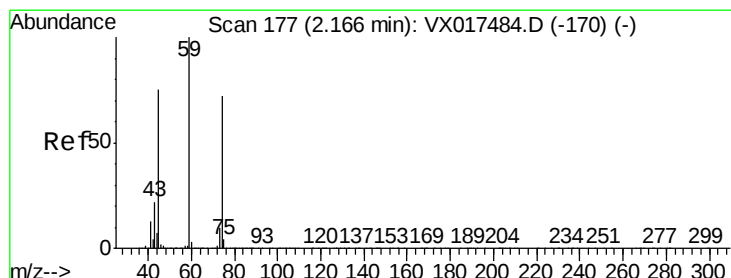
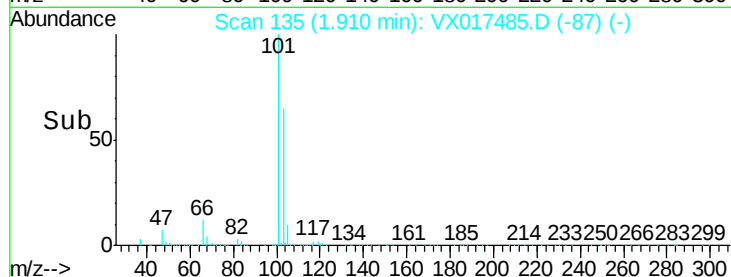
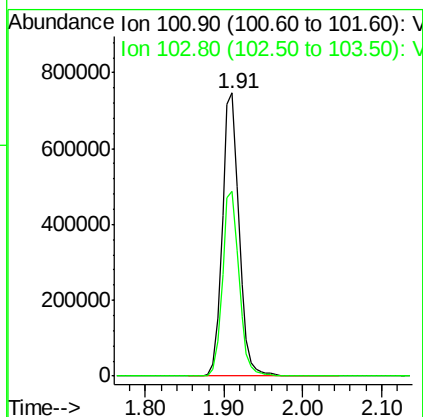
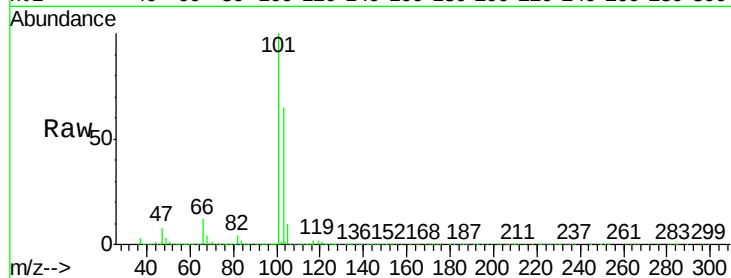
Trichlorofluoromethane
Concen: 113.680 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1099419
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

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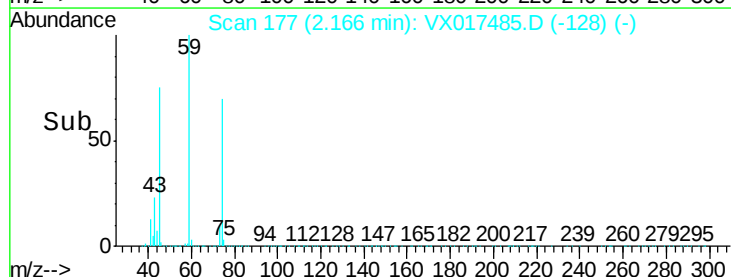
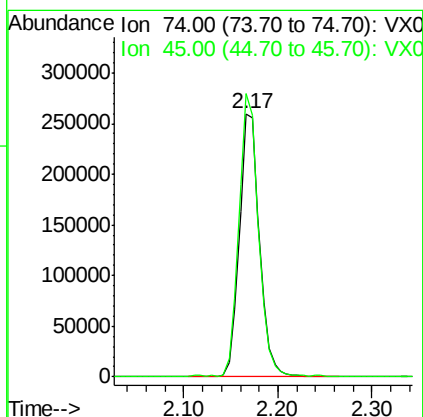
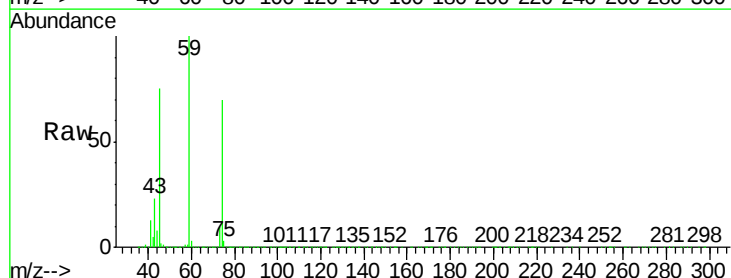
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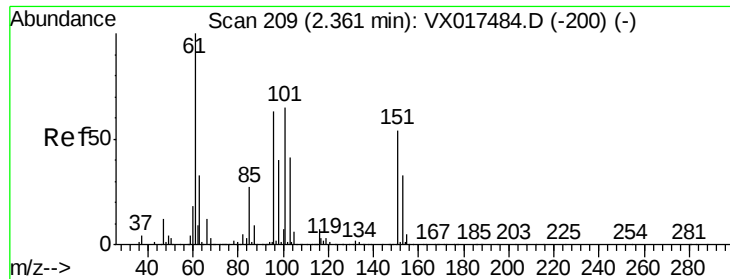


#8

Diethyl Ether
Concen: 110.655 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 74 Resp: 385665
Ion Ratio Lower Upper
74 100
45 103.3 50.6 151.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.908 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

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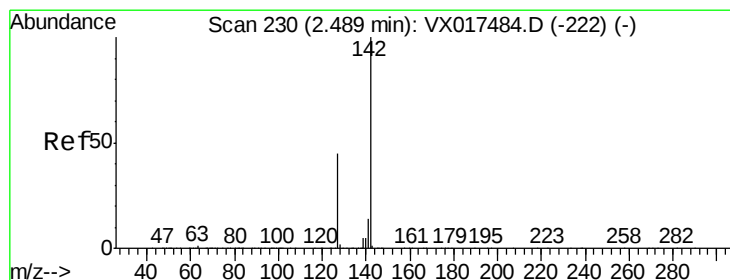
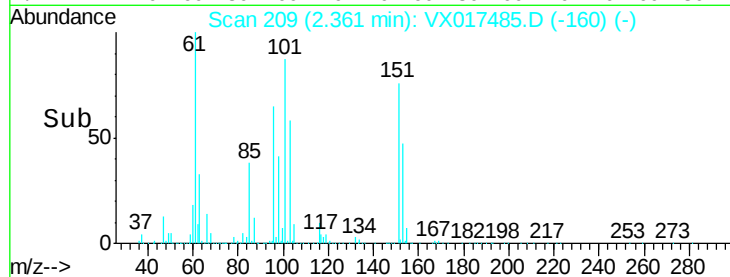
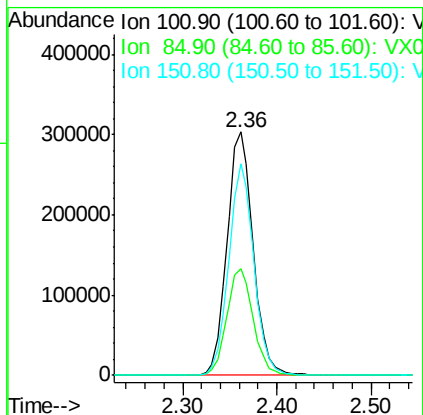
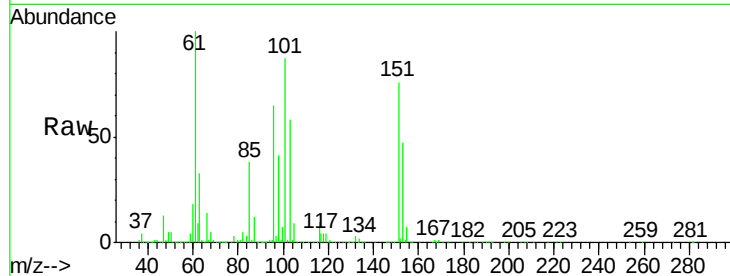
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	580569
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.8	50.6
151	83.8	65.8	98.8

Manual Integrations
APPROVED

MMDadoda
7/24/2020 1:00:55 PM



#10

Methyl Iodide

Concen: 119.842 ug/l

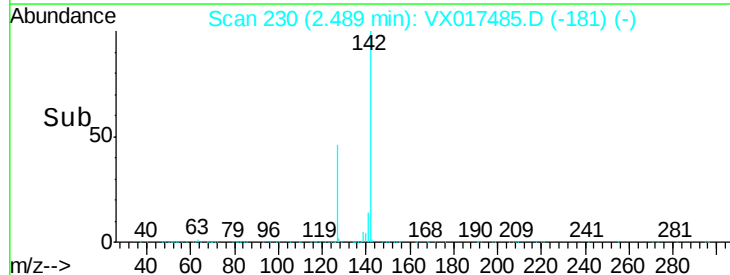
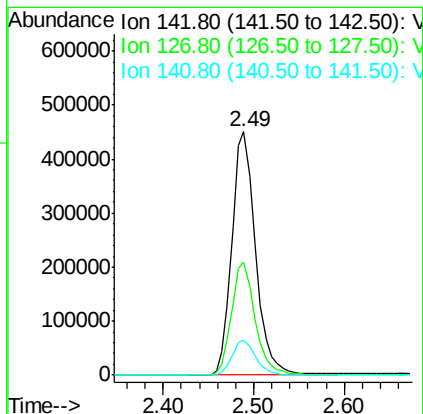
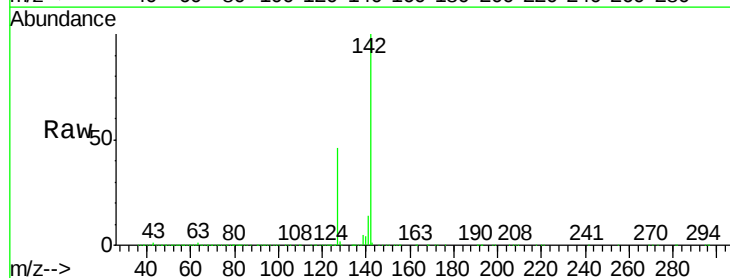
RT: 2.49 min Scan# 230

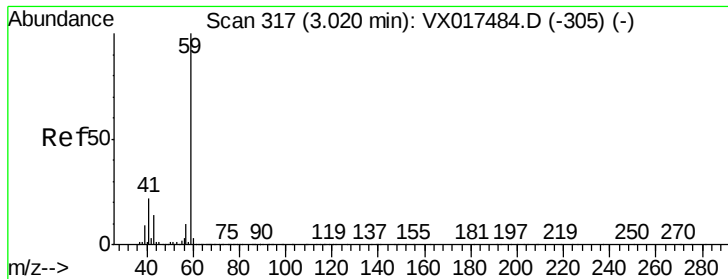
Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion:	142	Resp:	820421
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.4	54.6
141	14.4	11.4	17.2





#11

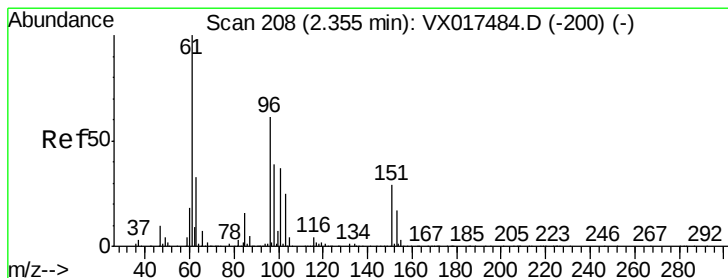
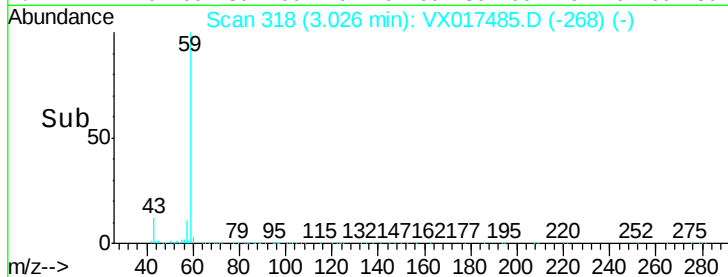
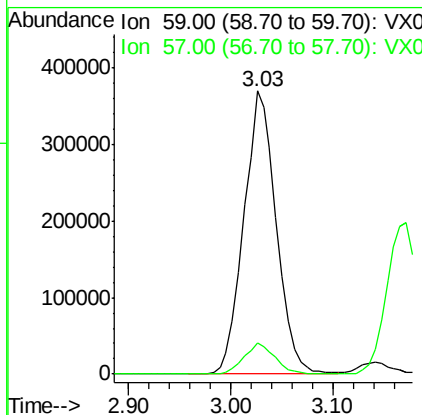
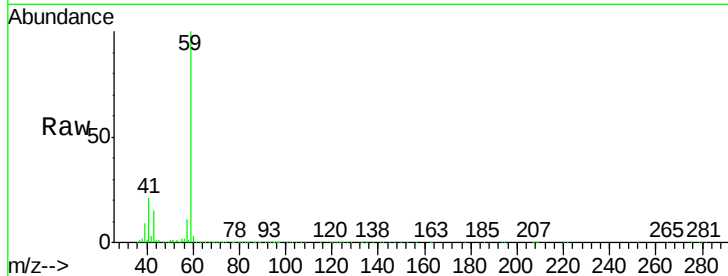
Tert butyl alcohol
Concen: 606.047 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.5	12.7

Manual Integrations
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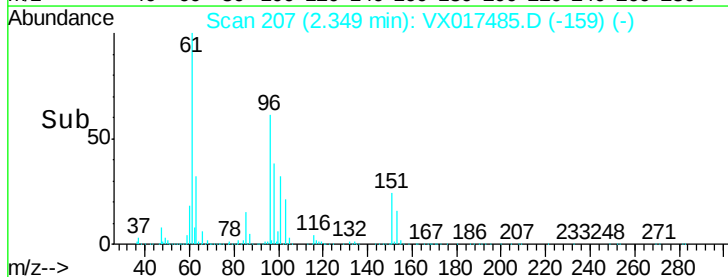
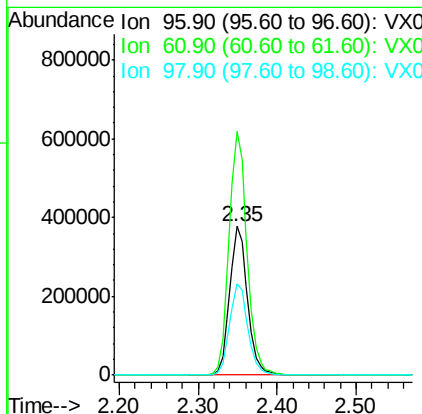
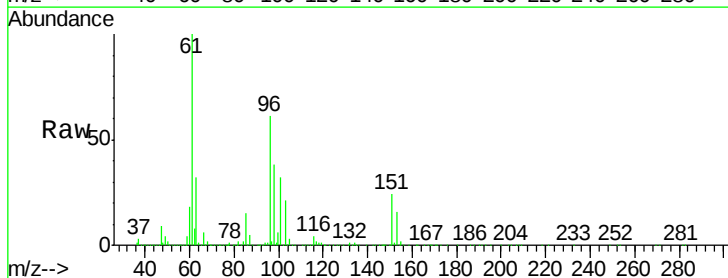
MMDadoda
7/24/2020 1:00:55 PM

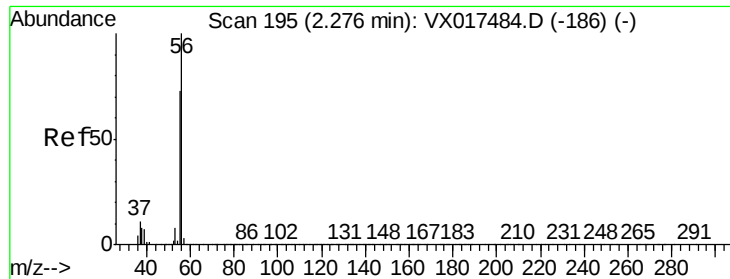


#12

1,1-Dichloroethene
Concen: 106.571 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	164.1	130.2	195.4
98	98	61.8	50.5	75.7





#13

Acrolein

Concen: 789.512 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 634756

Ion Ratio Lower Upper

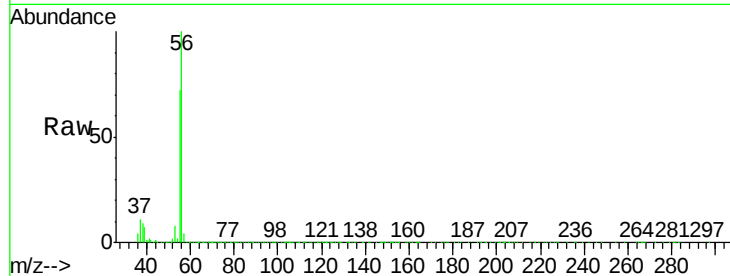
56 100

55 72.0 57.3 85.9

Manual Integrations
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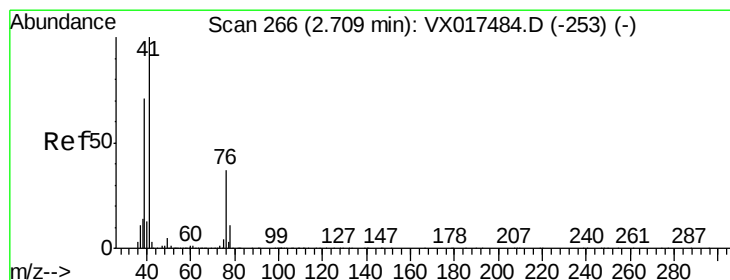
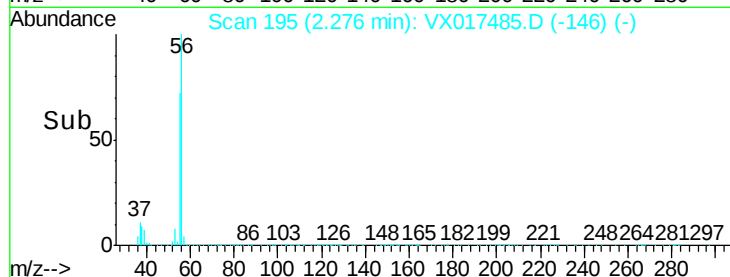
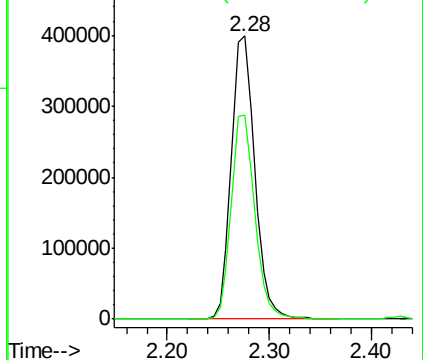
MMDadoda

7/24/2020 1:00:55 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 107.176 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

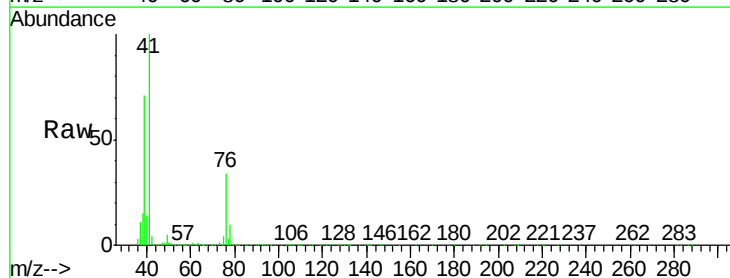
Tgt Ion: 41 Resp: 1044258

Ion Ratio Lower Upper

41 100

39 65.8 51.7 77.5

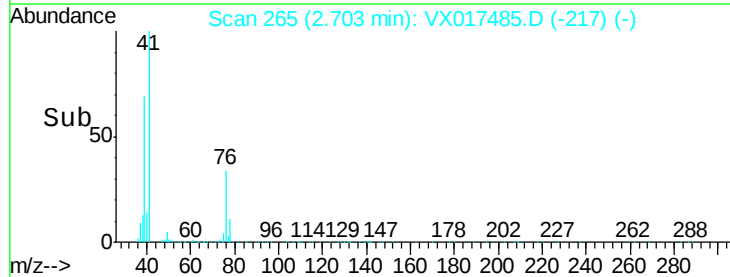
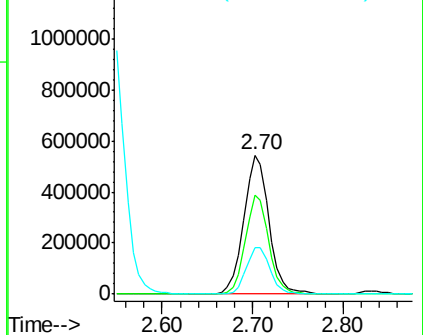
76 31.6 26.4 39.6

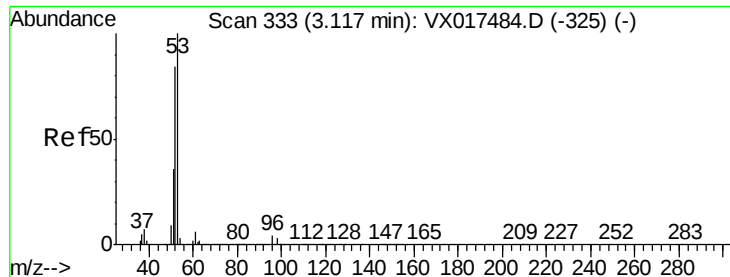


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 519.138 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 53 Resp: 1641195

Ion Ratio Lower Upper

53 100

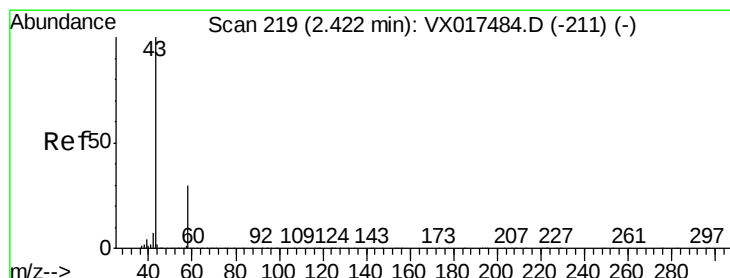
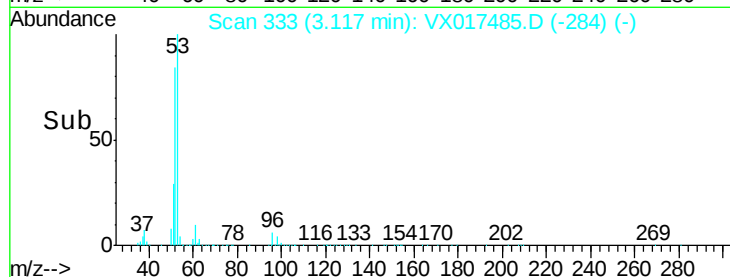
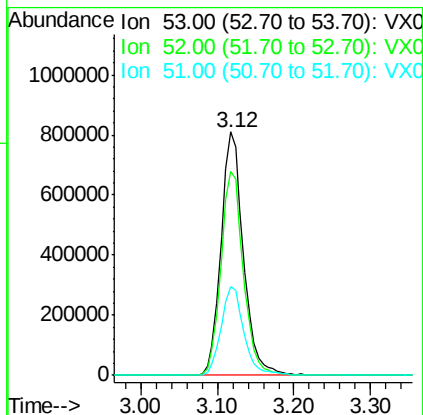
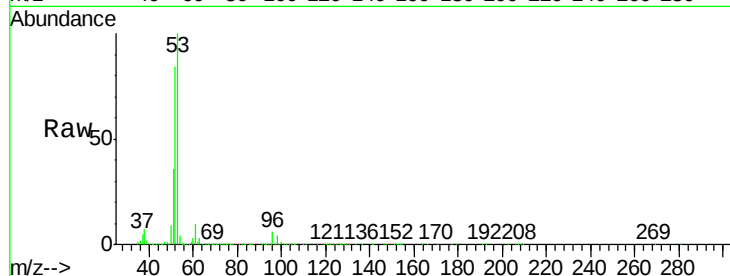
52 83.7 67.0 100.4

51 37.0 29.6 44.4

Manual Integrations
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MMDadoda

7/24/2020 1:00:55 PM



#16

Acetone

Concen: 571.461 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017485.D

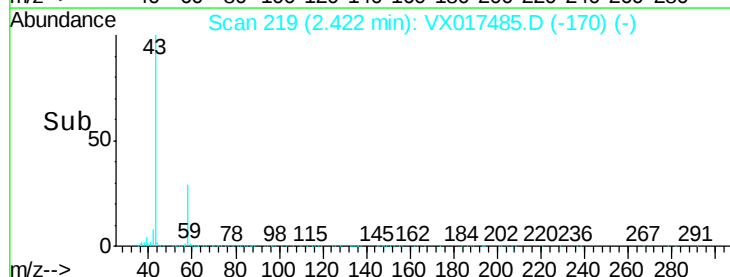
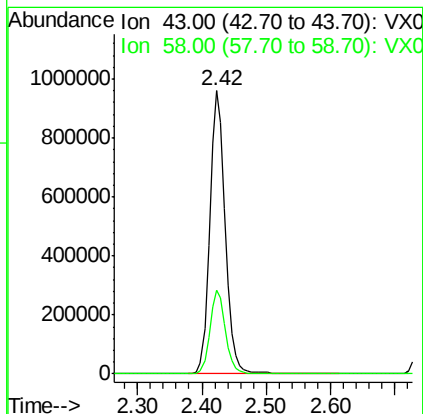
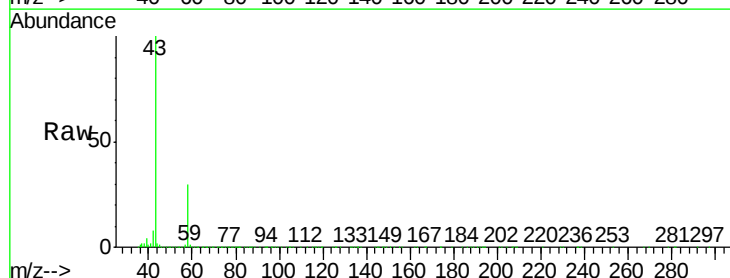
Acq: 23 Jul 2020 11:37

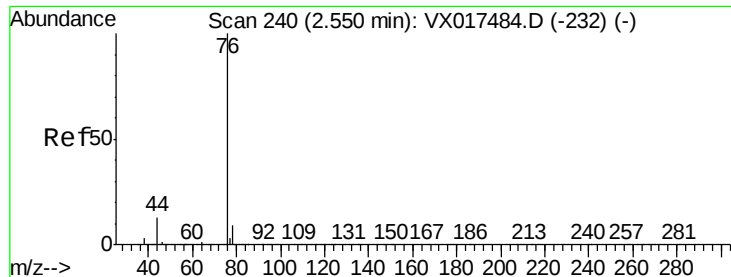
Tgt Ion: 43 Resp: 1604403

Ion Ratio Lower Upper

43 100

58 29.5 23.7 35.5





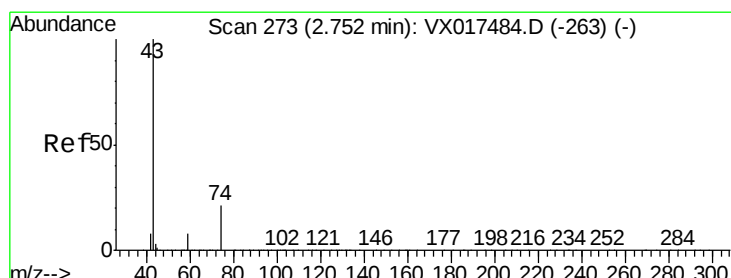
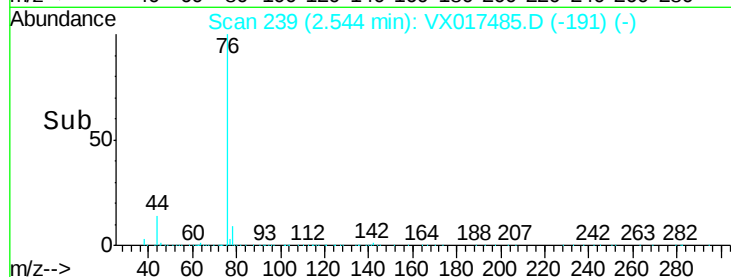
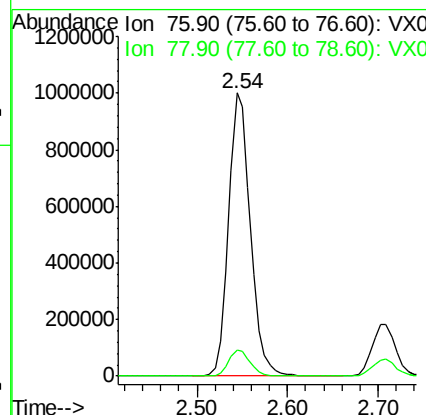
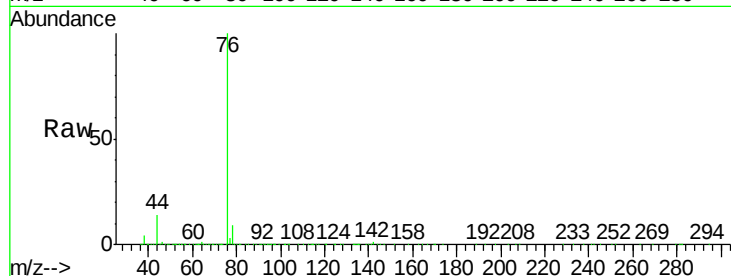
#17
Carbon Disulfide
Concen: 103.176 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 1669501
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

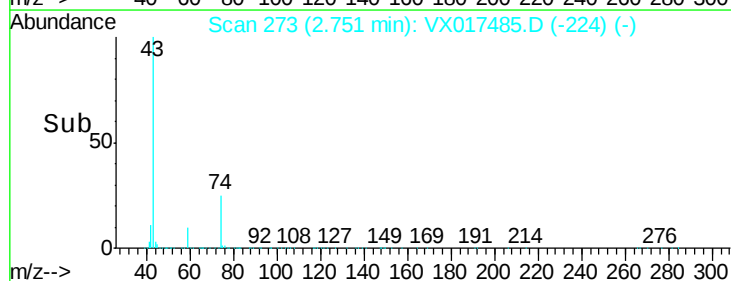
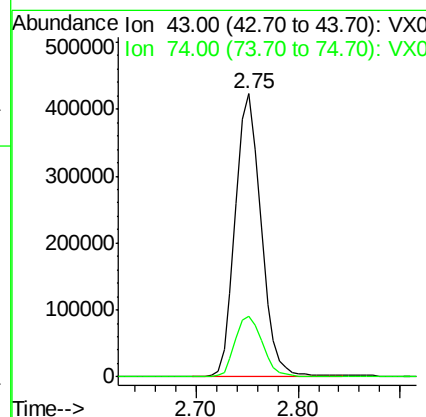
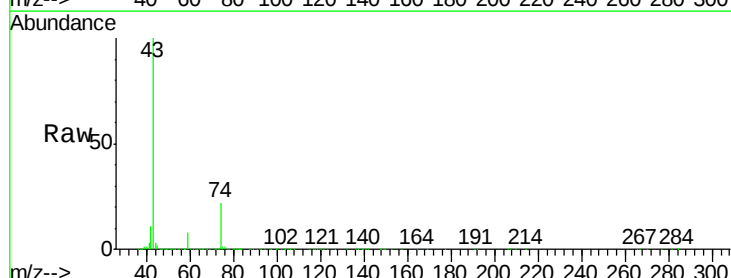
Manual Integrations
APPROVED

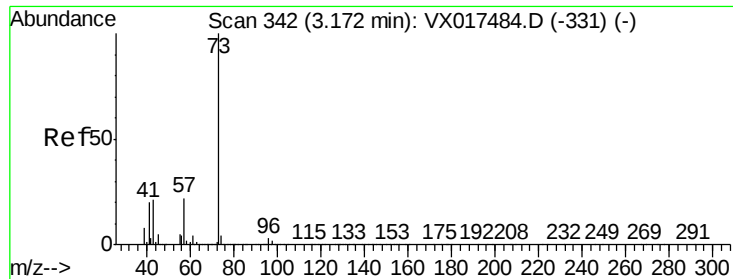
MMDadoda
7/24/2020 1:00:55 PM



#18
Methyl Acetate
Concen: 107.177 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 43 Resp: 742396
Ion Ratio Lower Upper
43 100
74 23.1 18.1 27.1





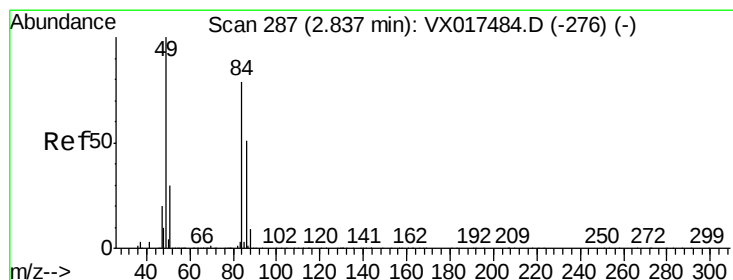
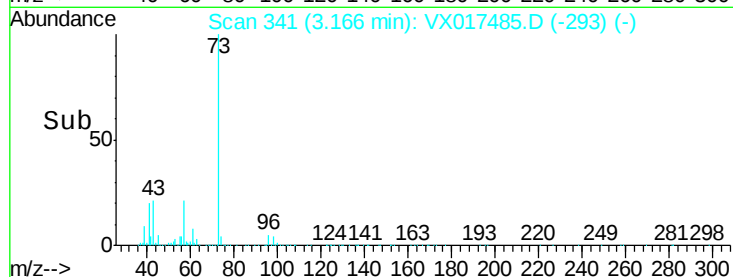
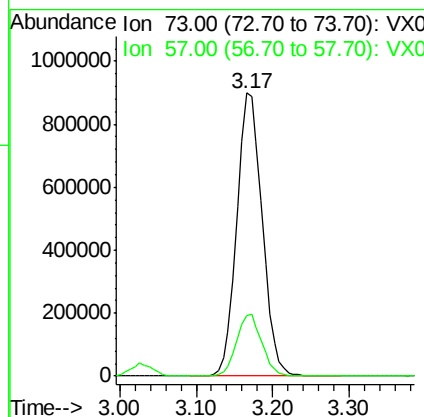
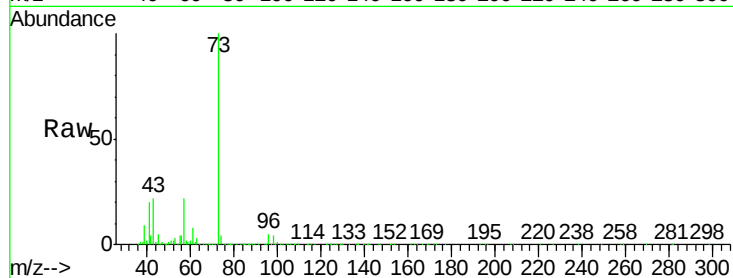
#19
Methvl tert-butvl Ether
Concen: 109.742 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 2071598
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

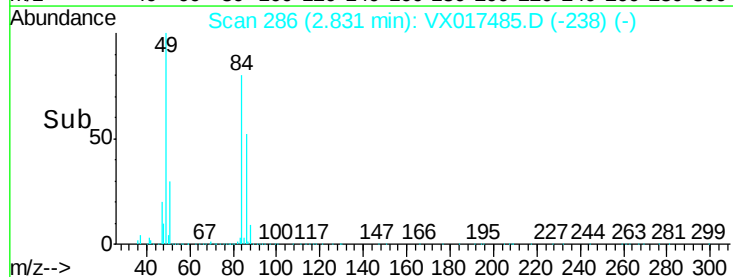
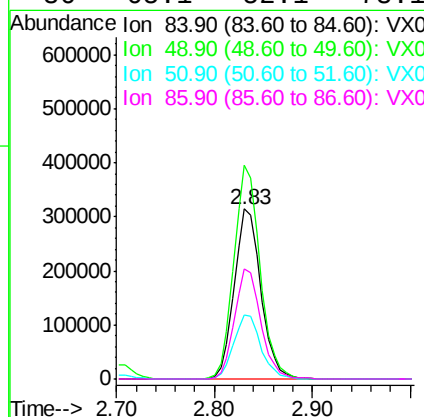
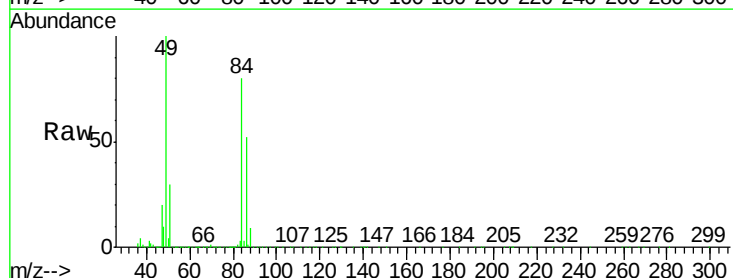
Manual Integrations
APPROVED

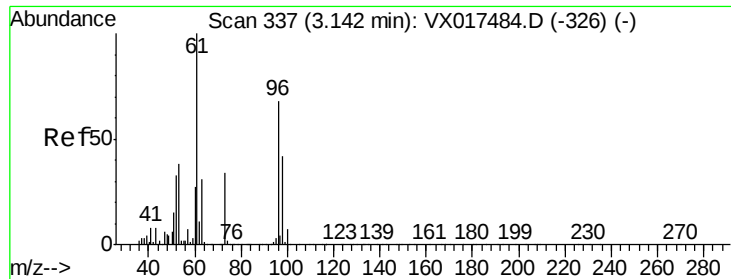
MMDadoda
7/24/2020 1:00:55 PM



#20
Methylene Chloride
Concen: 89.457 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 84 Resp: 594757
Ion Ratio Lower Upper
84 100
49 125.7 101.4 152.2
51 37.9 30.6 45.8
86 65.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 95.526 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

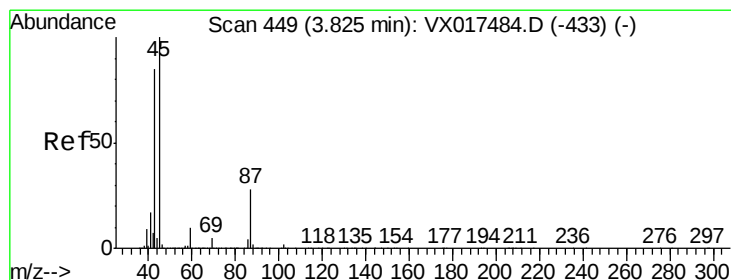
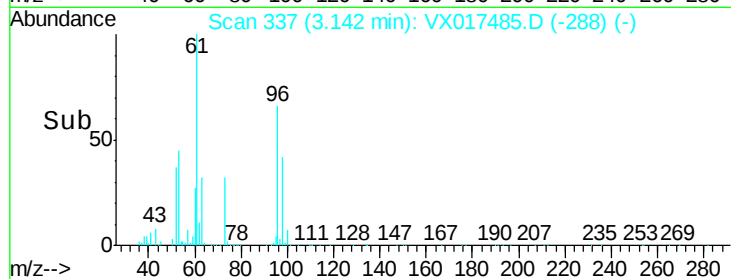
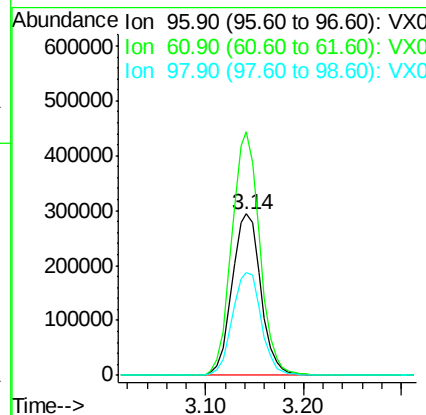
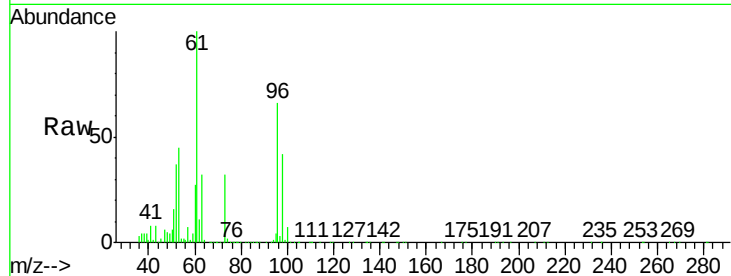
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	597899
Ion	Ratio	Lower	Upper
96	100		
61	150.7	117.2	175.8
98	64.0	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
7/24/2020 1:00:55 PM



#22

Diisopropyl ether

Concen: 105.729 ug/l

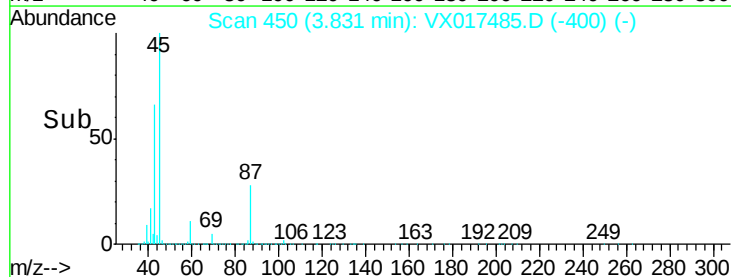
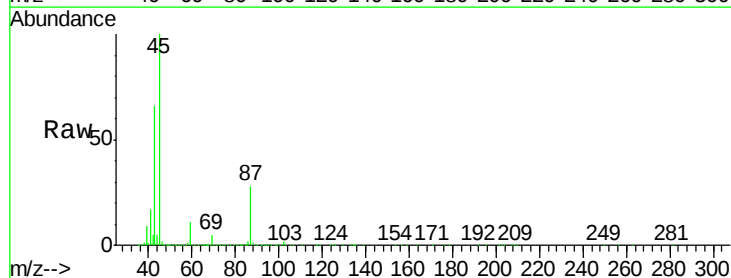
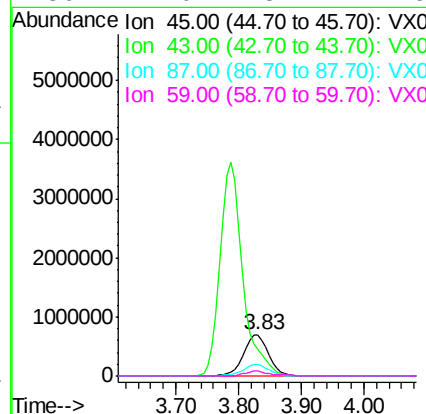
RT: 3.83 min Scan# 450

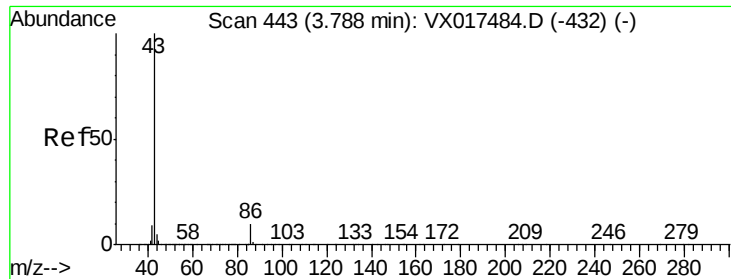
Delta R.T. 0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion:	45	Resp:	1917814
Ion	Ratio	Lower	Upper
45	100		
43	65.8	68.0	102.0#
87	28.3	22.2	33.4
59	11.0	8.4	12.6





#23

Vinyl Acetate

Concen: 567.686 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 9113551

Ion Ratio Lower Upper

43 100

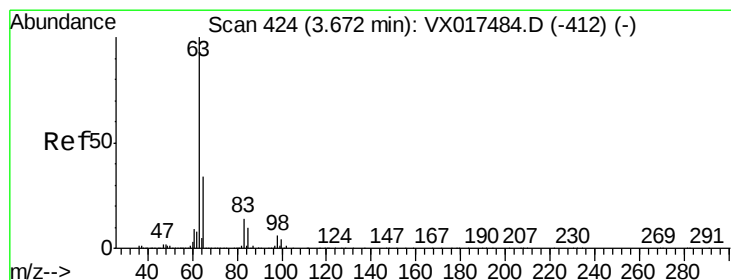
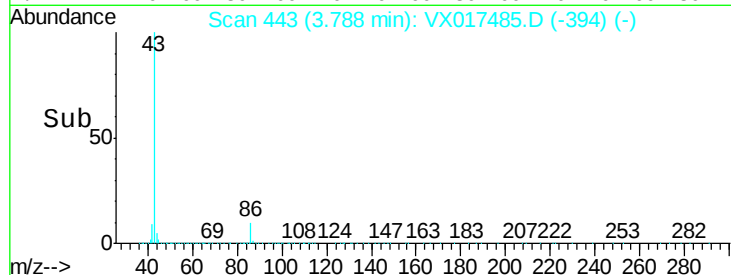
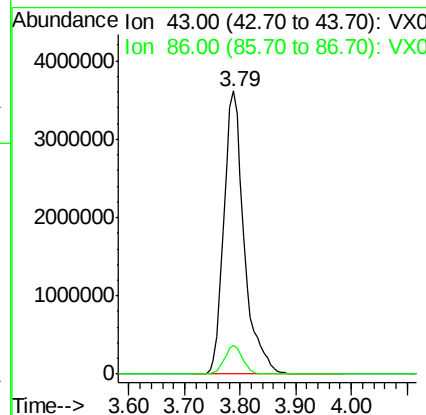
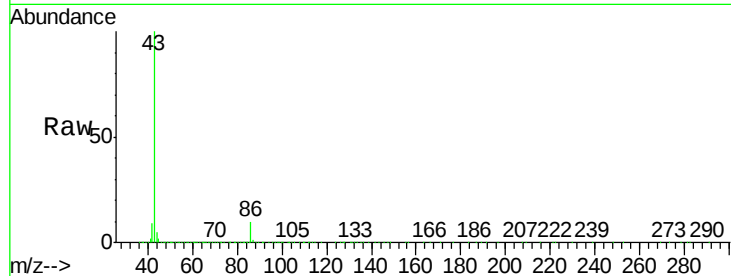
86 10.2 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

7/24/2020 1:00:55 PM



#24

1,1-Dichloroethane

Concen: 109.491 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

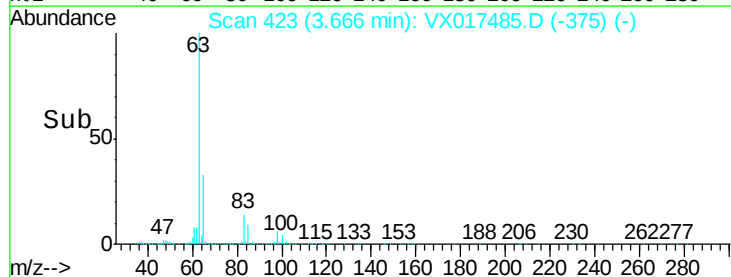
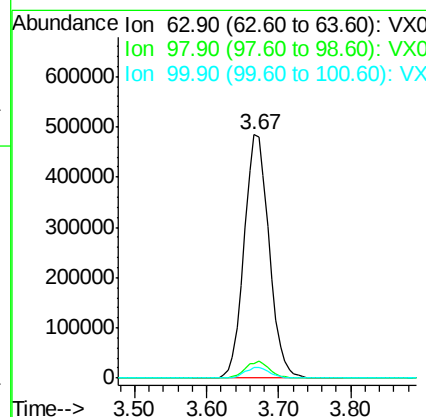
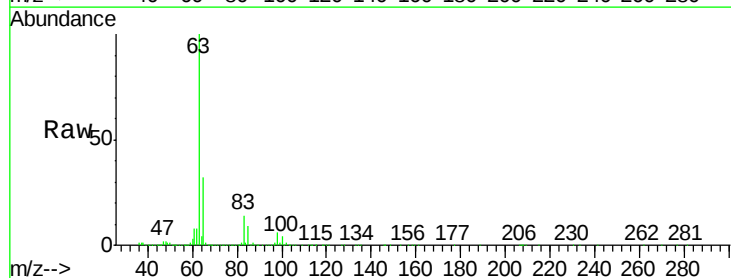
Tgt Ion: 63 Resp: 1163459

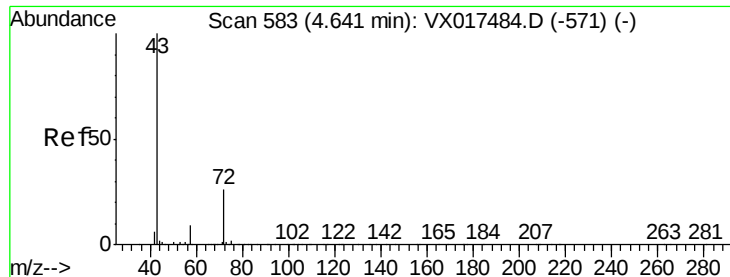
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 557.390 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2420959

Ion Ratio Lower Upper

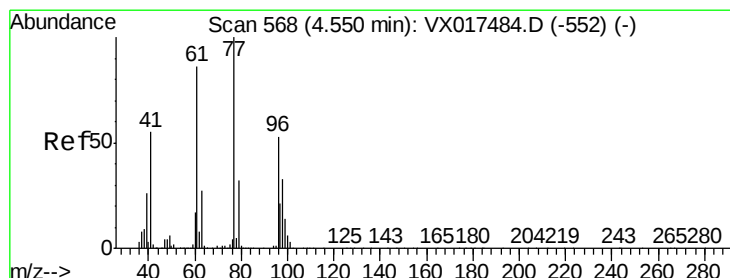
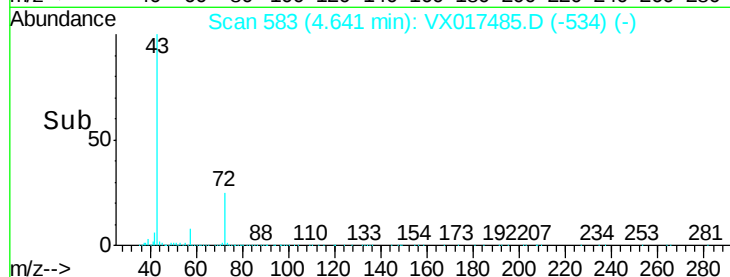
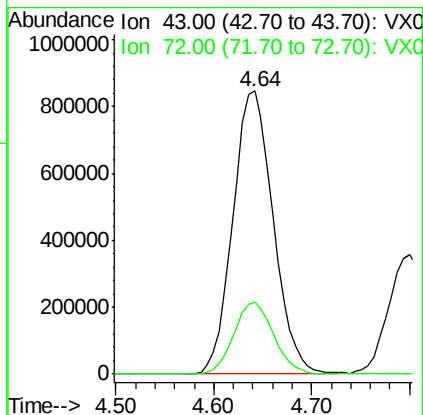
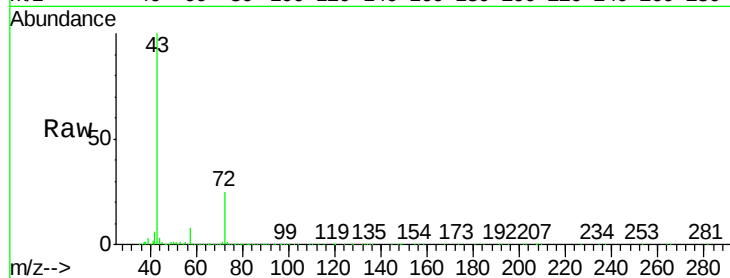
43 100

72 25.2 21.0 31.4

Manual Integrations
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7/24/2020 1:00:55 PM



#26

2,2-Dichloropropane

Concen: 102.347 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX017485.D

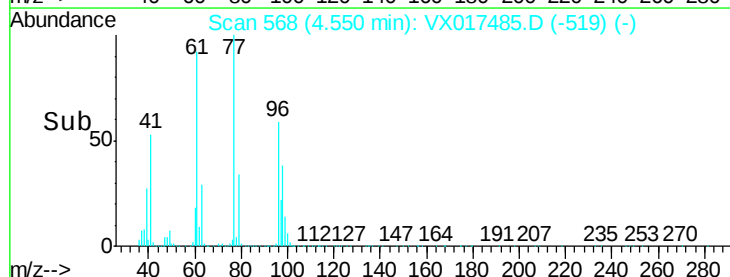
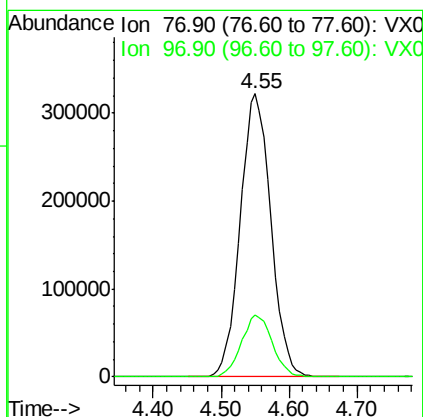
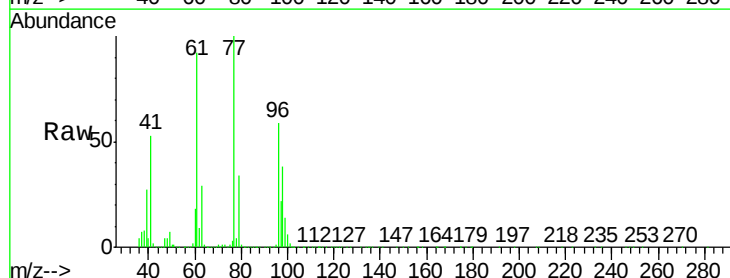
Acq: 23 Jul 2020 11:37

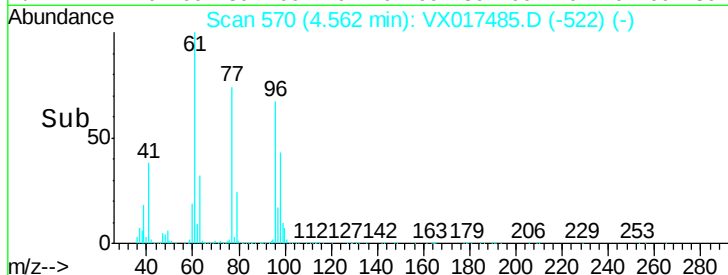
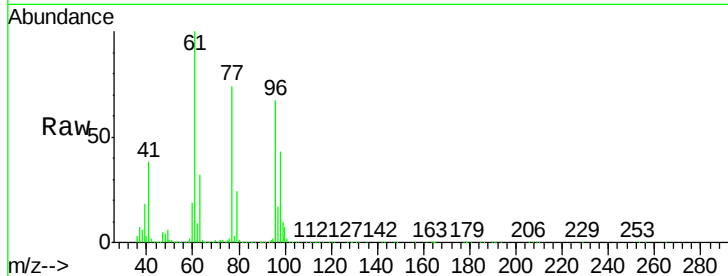
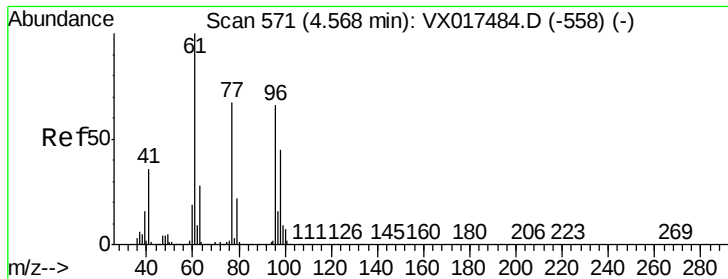
Tgt Ion: 77 Resp: 1006144

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

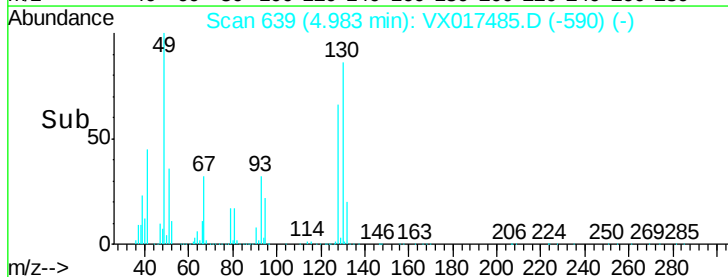
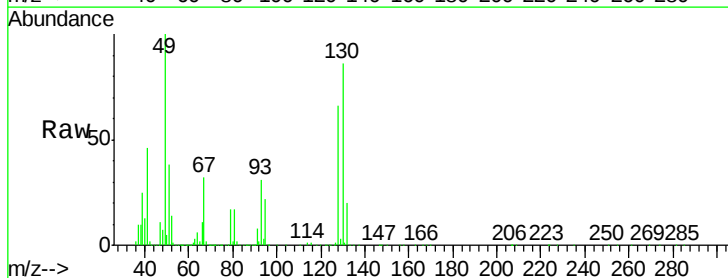
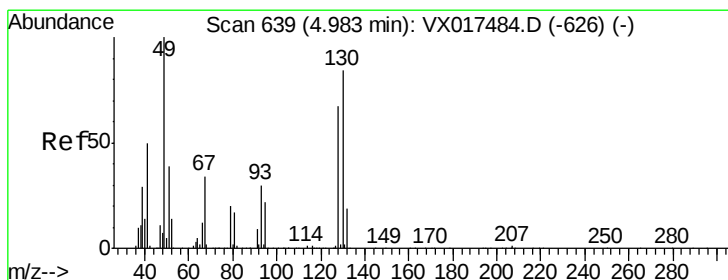
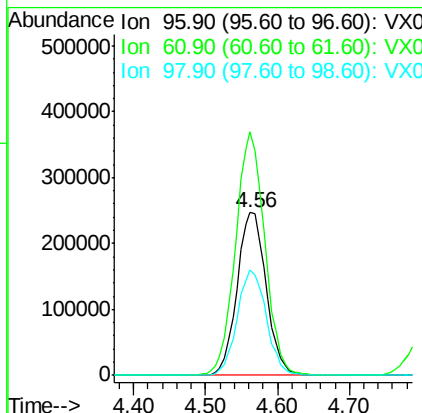
cis-1,2-Dichloroethene
Concen: 101.892 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	694020		
61	149.7	0.0	299.2	
98	64.4	0.0	127.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
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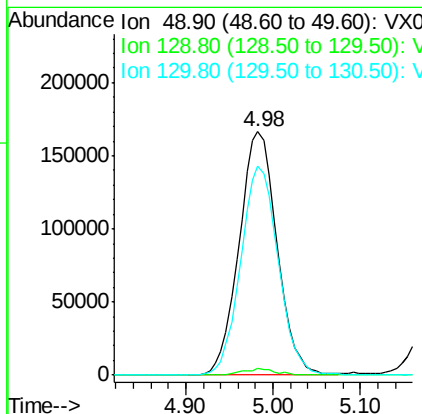
MMDadoda
7/24/2020 1:00:55 PM

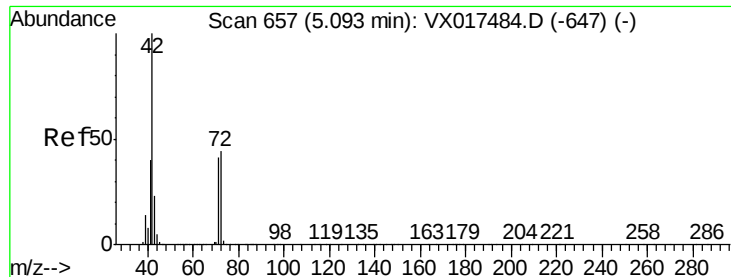


#28

Bromochloromethane
Concen: 102.286 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	501509		
129	2.5	0.0	4.4	
130	85.2	68.0	102.0	





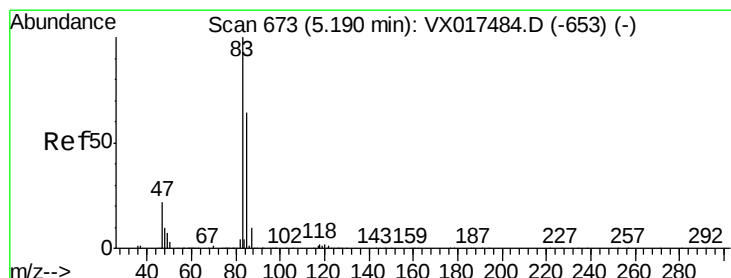
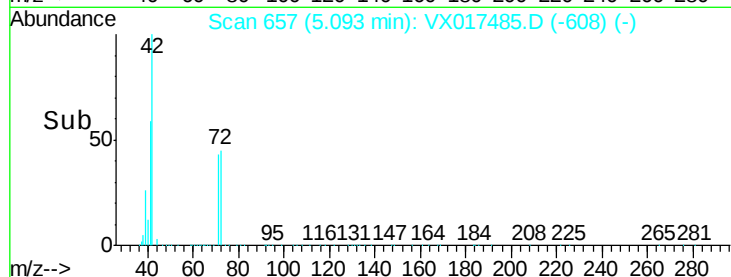
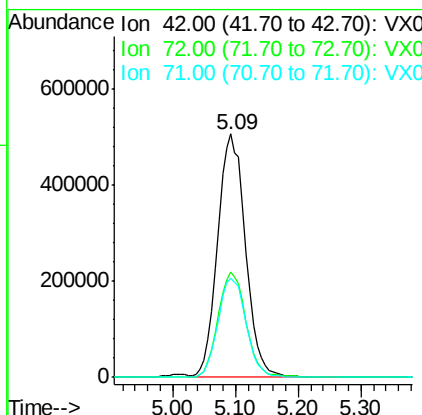
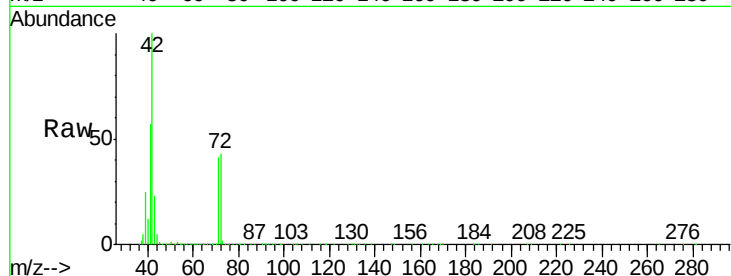
#29
Tetrahydrofuran
Concen: 555.957 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1557375
Ion Ratio Lower Upper
42 100
72 43.6 34.1 51.1
71 41.3 32.3 48.5

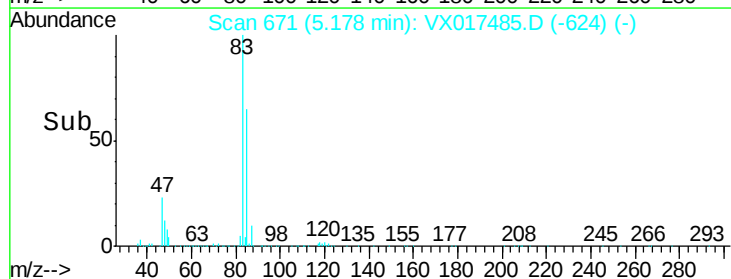
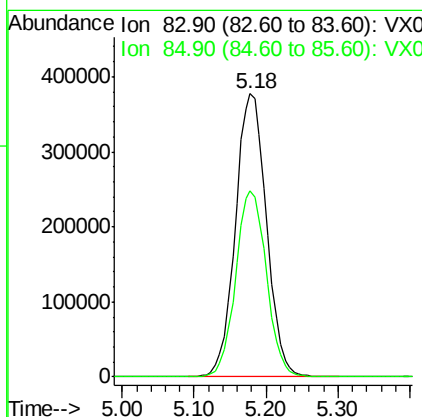
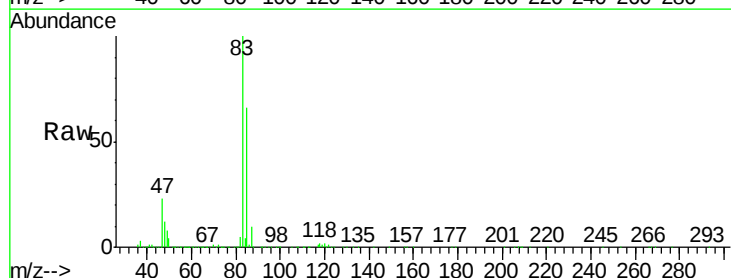
Manual Integrations
APPROVED

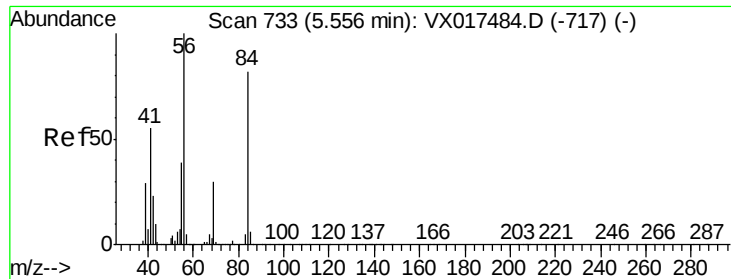
MMDadoda
7/24/2020 1:00:55 PM



#30
Chloroform
Concen: 99.379 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 83 Resp: 1128458
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0





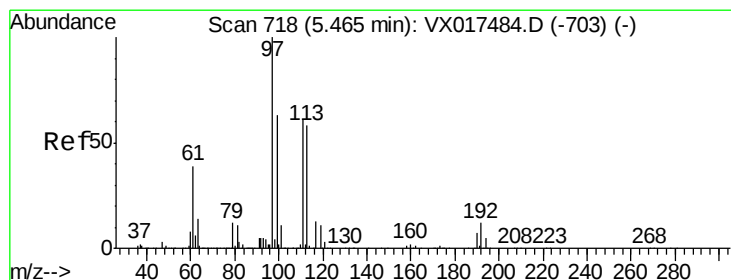
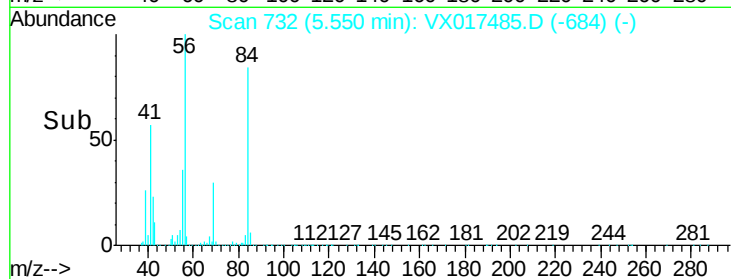
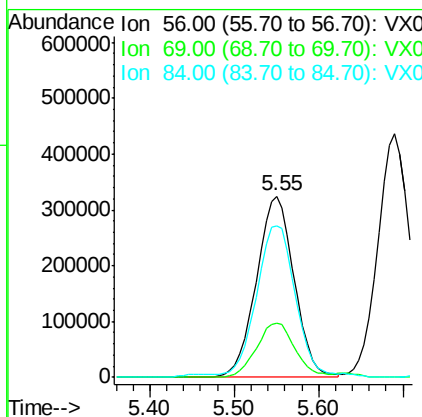
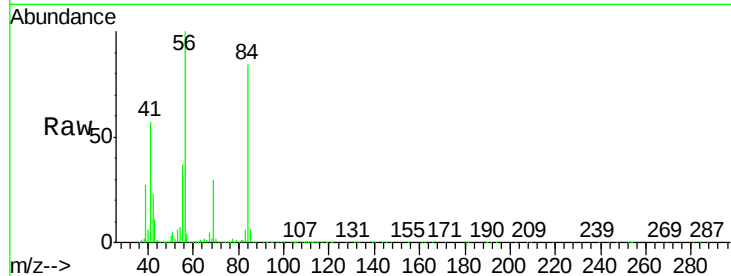
#31
Cyclohexane
Concen: 115.024 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.1	36.1
84	82.7	65.8	98.8

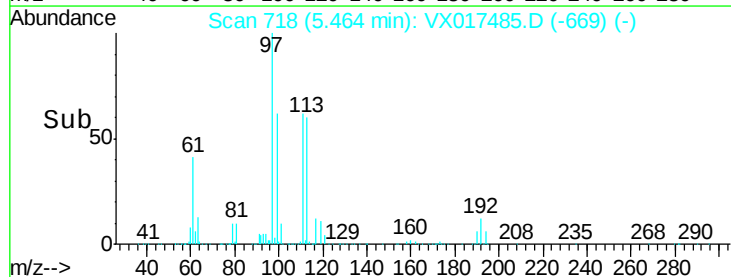
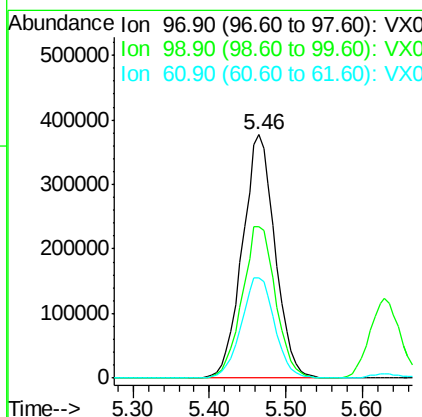
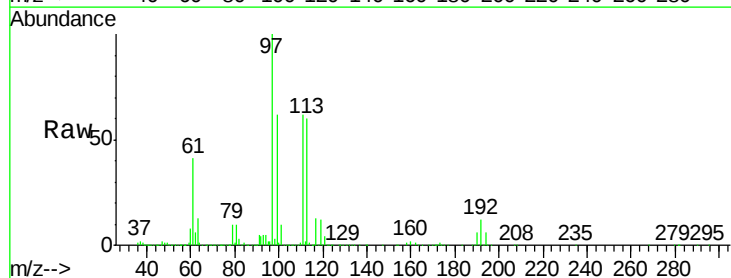
Manual Integrations
APPROVED

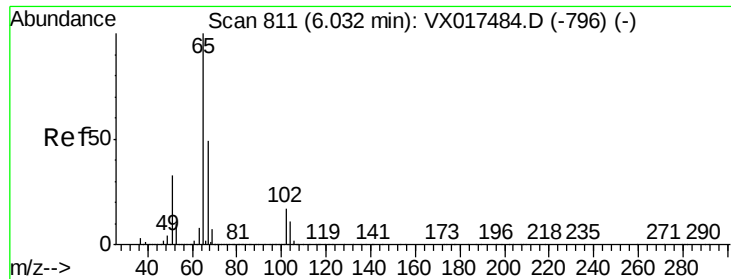
MMDadoda
7/24/2020 1:00:55 PM



#32
1,1,1-Trichloroethane
Concen: 106.183 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	42.6	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 100.982 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 769524

Ion Ratio Lower Upper

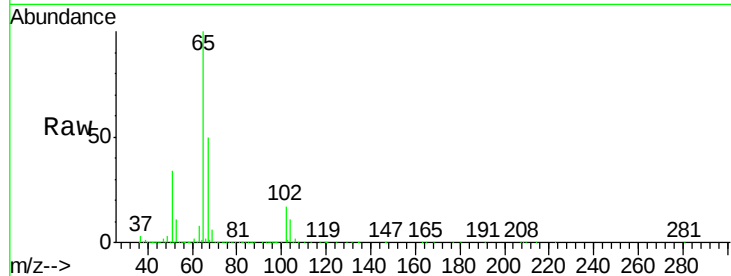
65 100

67 50.6 0.0 101.0

Manual Integrations
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

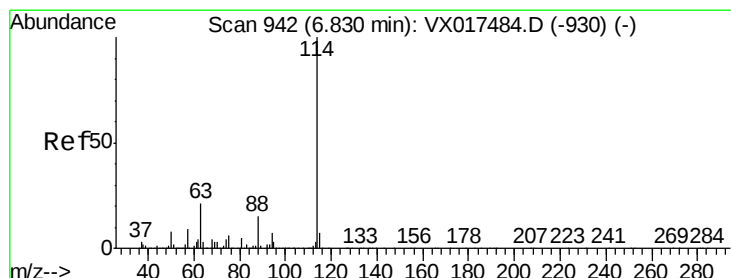
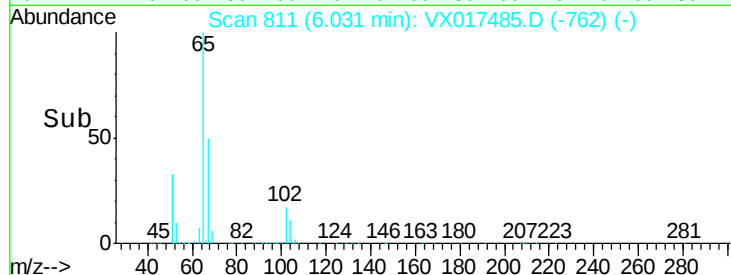
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

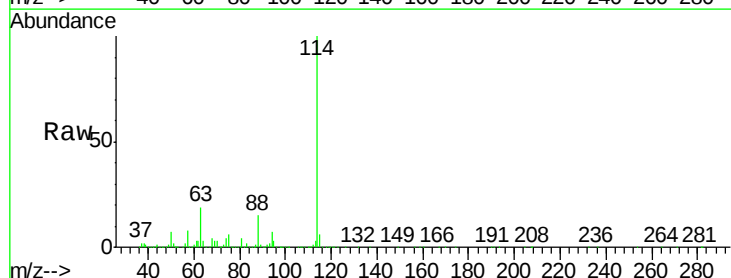
Tgt Ion: 114 Resp: 936585

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.2

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

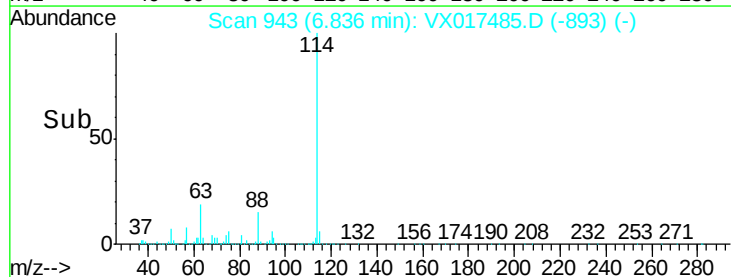
300000

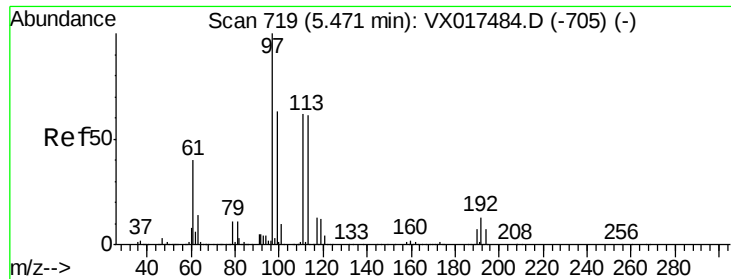
200000

100000

0

Time-->





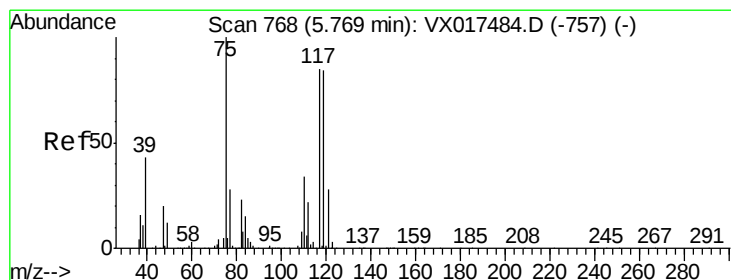
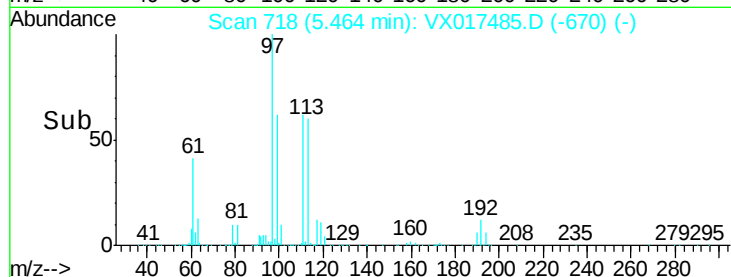
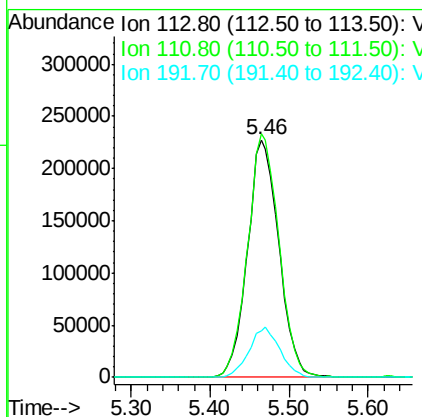
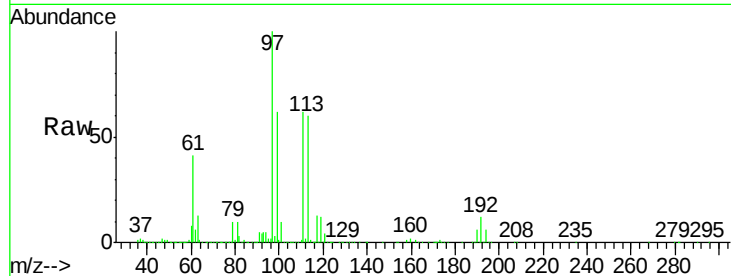
#35
Dibromofluoromethane
Concen: 99.047 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	21.0	17.0	25.4

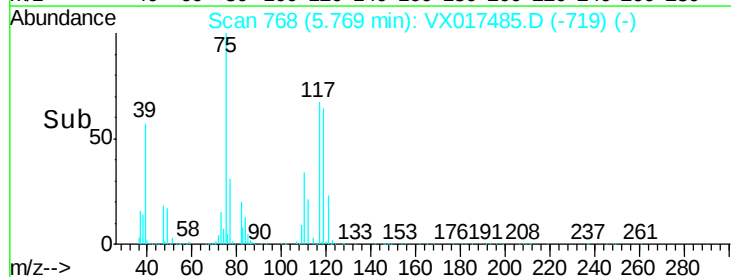
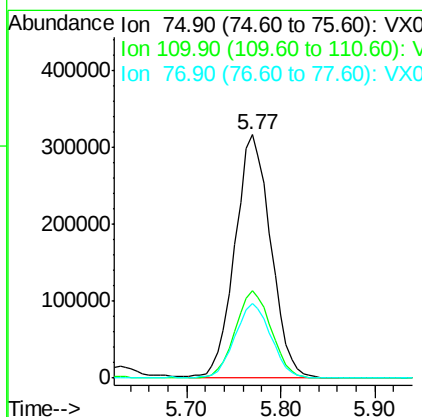
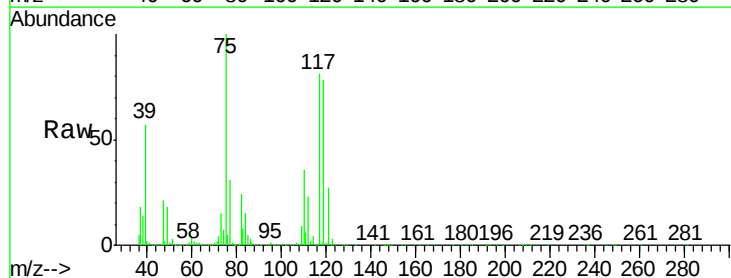
Manual Integrations
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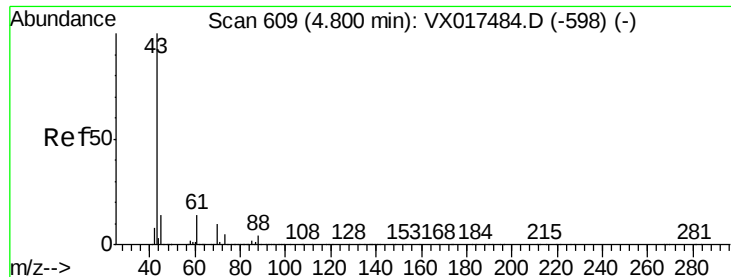
MMDadoda
7/24/2020 1:00:55 PM



#36
1,1-Dichloropropene
Concen: 97.147 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	30.9	24.5	36.7





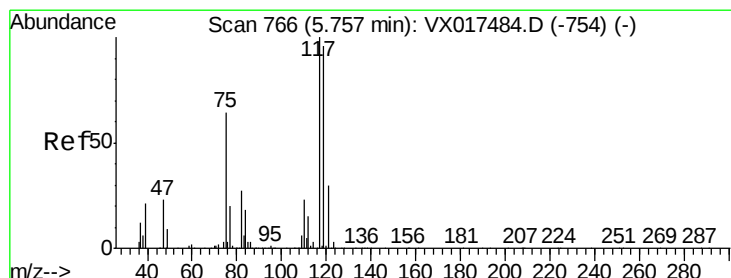
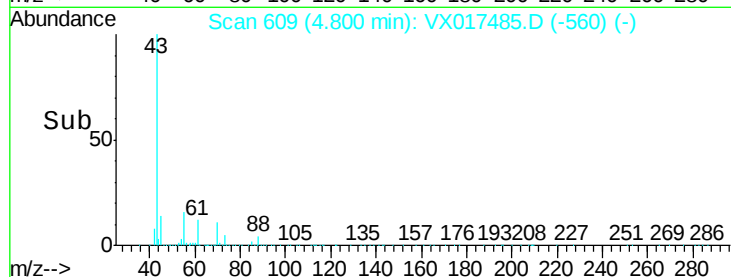
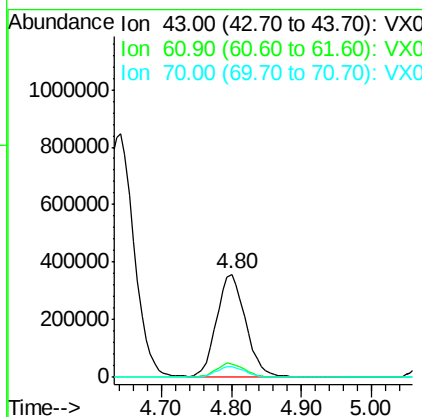
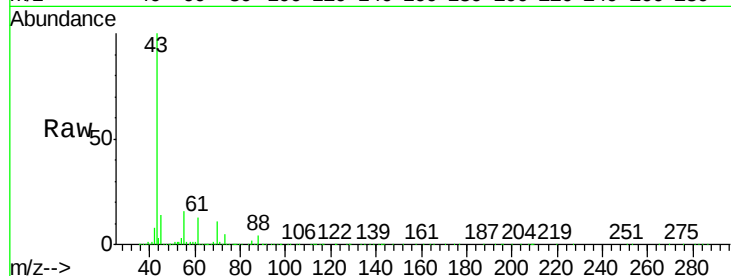
#37
Ethyl Acetate
Concen: 112.466 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	10.4	8.4	12.6

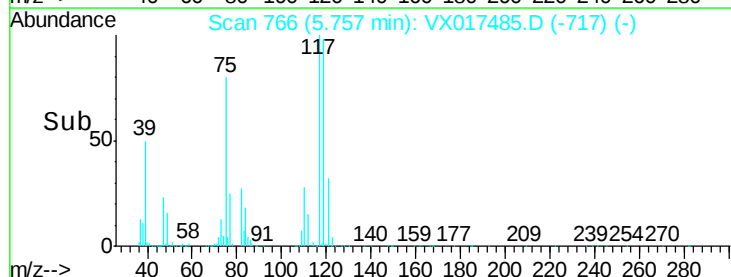
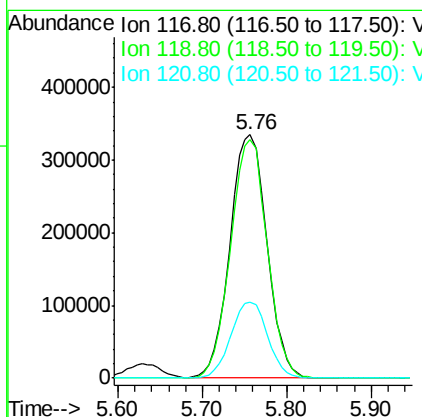
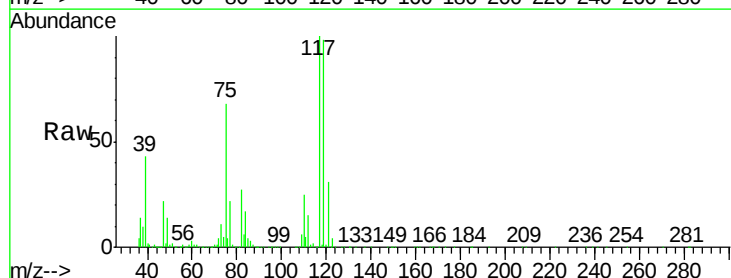
Manual Integrations
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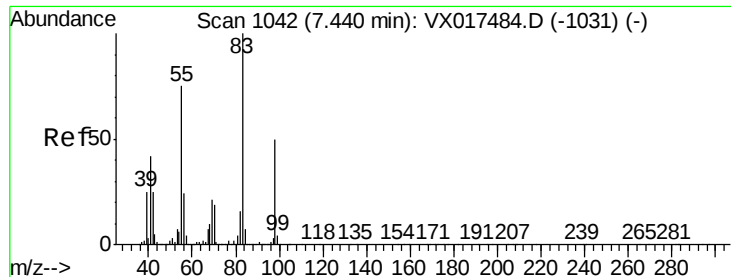
MMDadoda
7/24/2020 1:00:55 PM



#38
Carbon Tetrachloride
Concen: 98.670 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.7	115.1
121	31.4	24.2	36.2





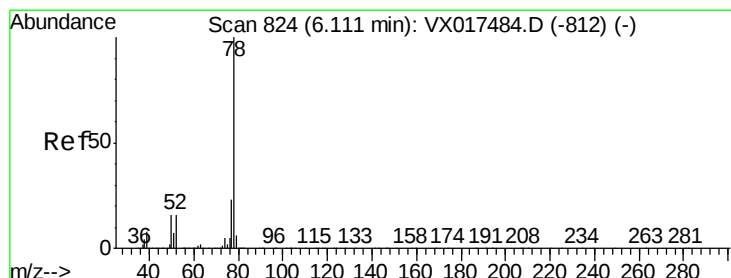
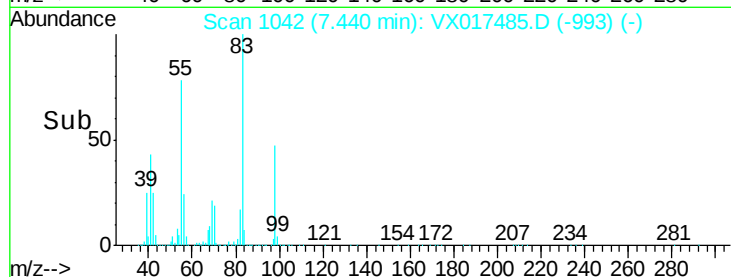
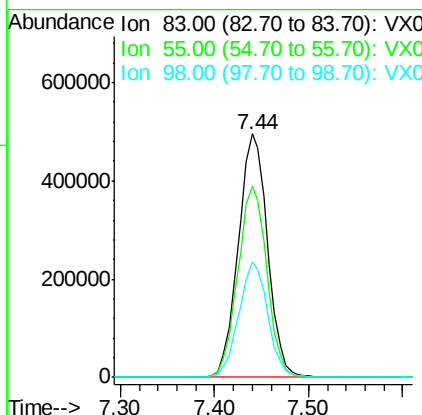
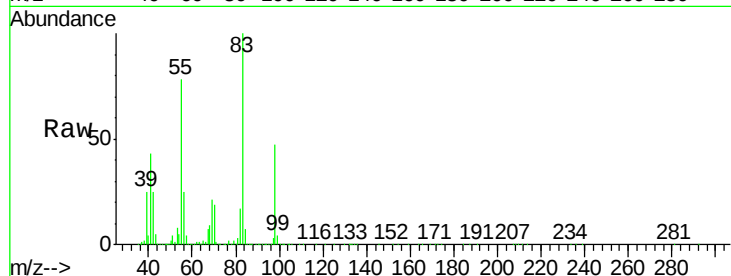
#39
Methvlcvclohexane
Concen: 114.809 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	60.2	90.2
98	47.4	39.8	59.6

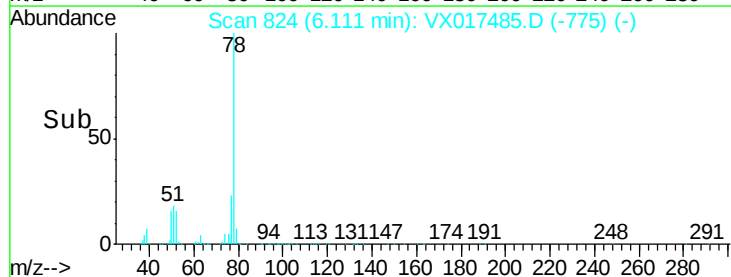
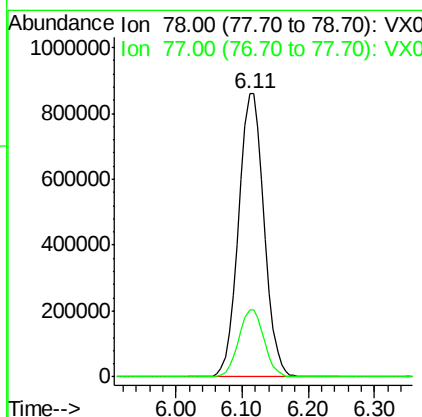
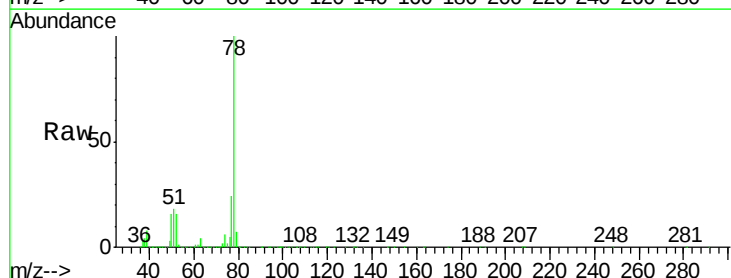
Manual Integrations
APPROVED

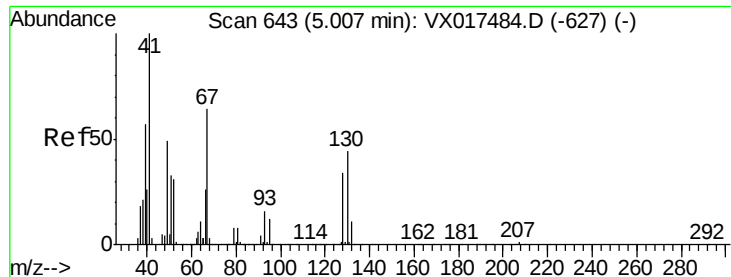
MMDadoda
7/24/2020 1:00:55 PM



#40
Benzene
Concen: 92.847 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4





#41

Methacrylonitrile

Concen: 108.001 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 528845

Ion Ratio Lower Upper

41 100

39 54.0 44.0 66.0

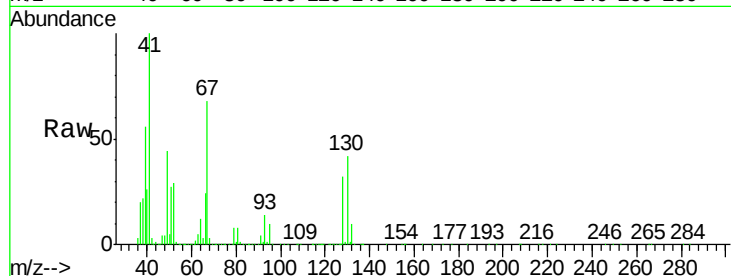
67 68.4 55.0 82.4

52 28.3 22.3 33.5

Manual Integrations
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7/24/2020 1:00:55 PM

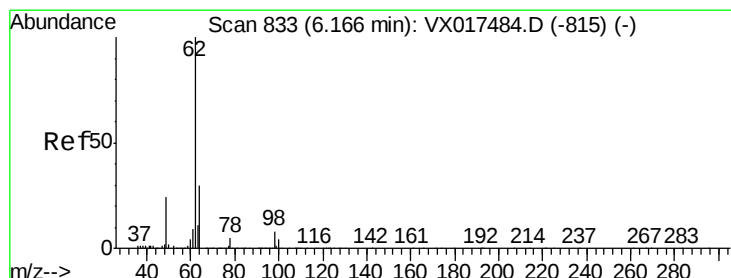
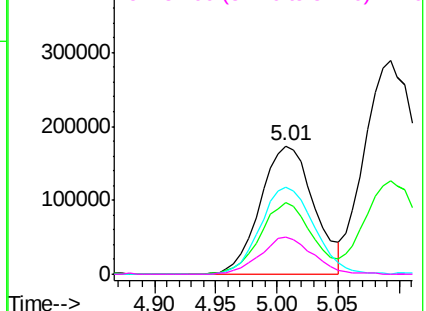
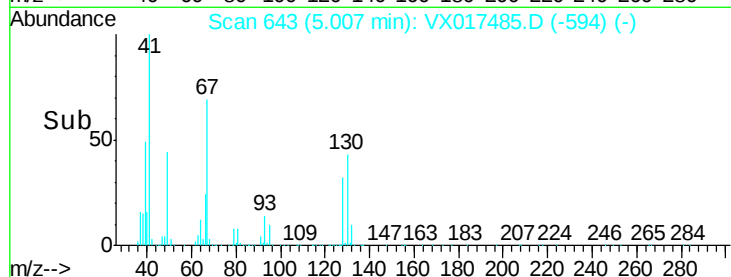


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 101.140 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017485.D

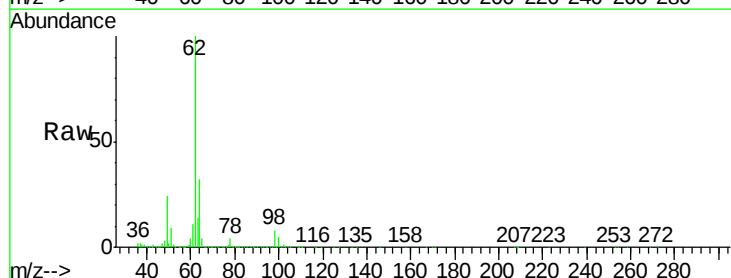
Acq: 23 Jul 2020 11:37

Tgt Ion: 62 Resp: 984175

Ion Ratio Lower Upper

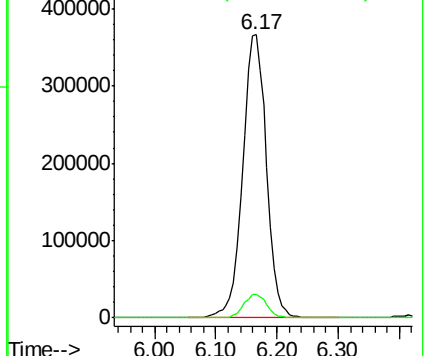
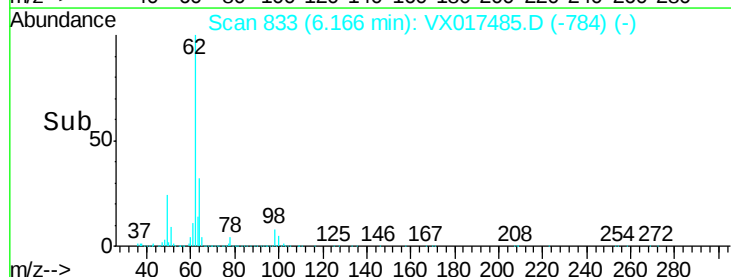
62 100

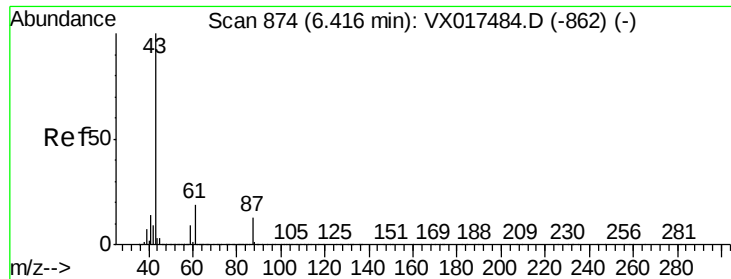
98 8.1 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

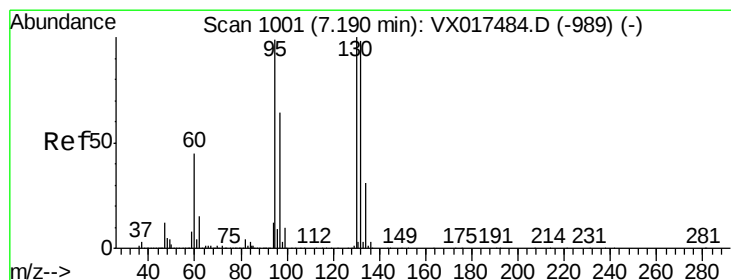
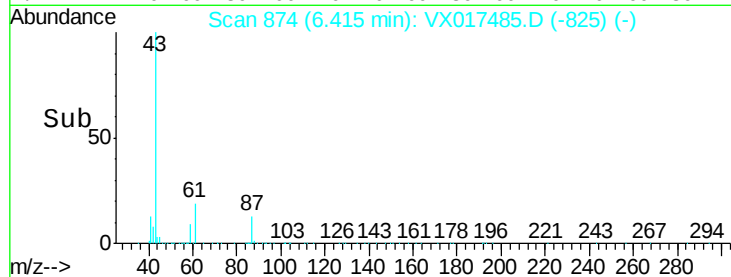
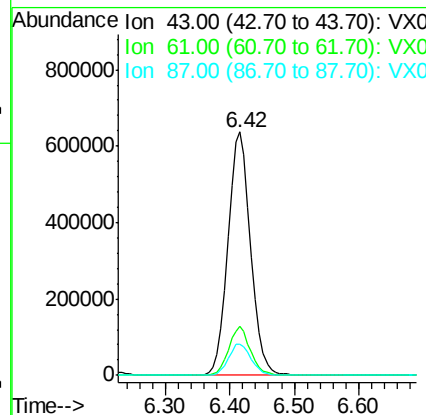
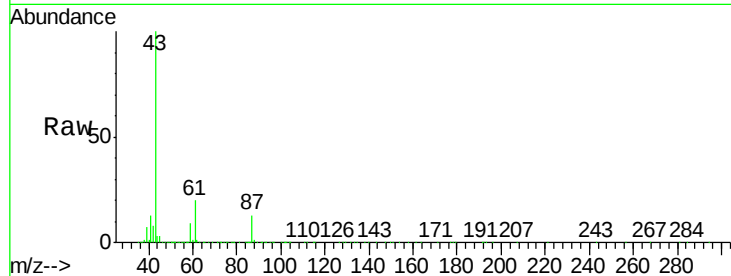
Isopropyl Acetate
 Concen: 105.829 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	1570031
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.6	23.4
87	13.1	10.4	15.6

Manual Integrations
 APPROVED

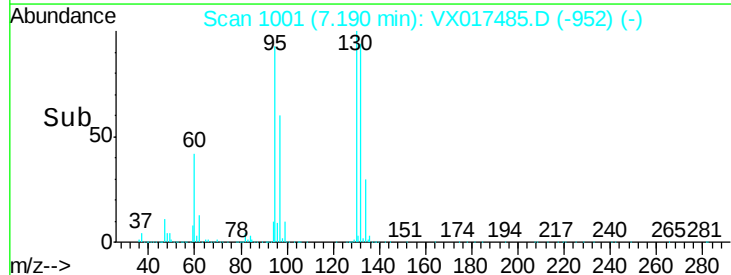
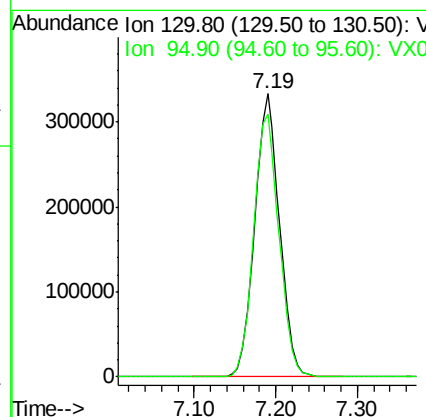
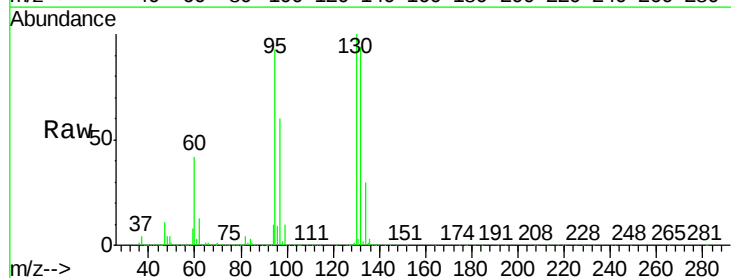
MMDadoda
 7/24/2020 1:00:55 PM

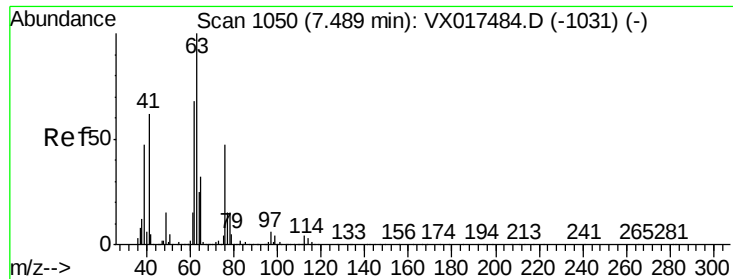


#44

Trichloroethene
 Concen: 94.748 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion	130	Resp	709671
Ion Ratio	Lower	Upper	
130	100		
95	92.9	0.0	198.4





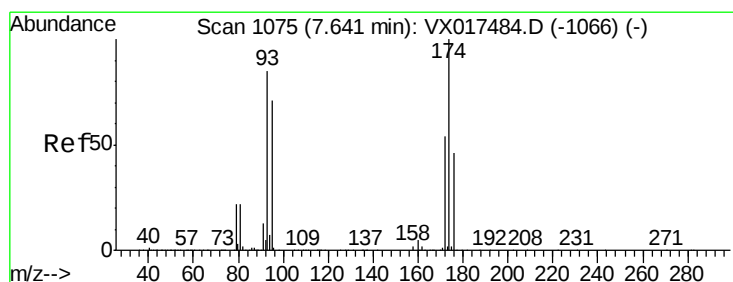
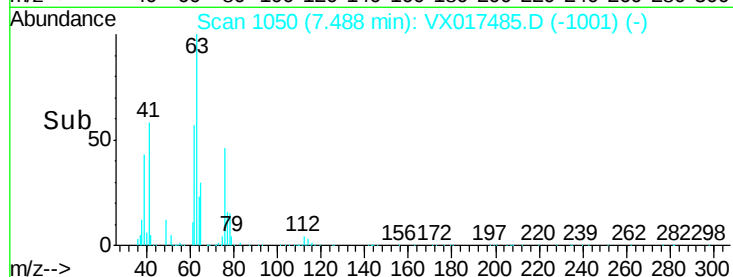
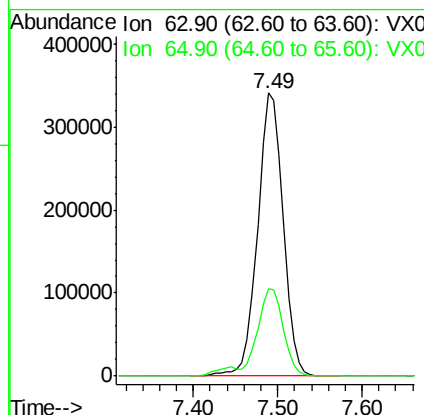
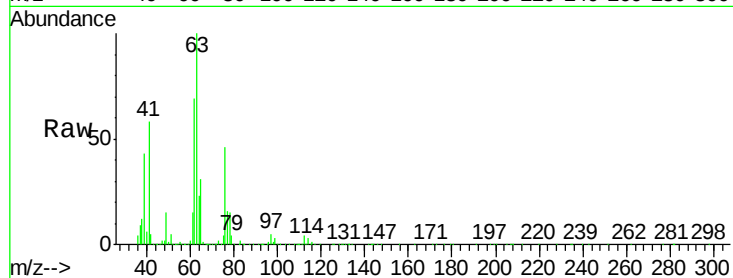
#45
 1,2-Dichloropropane
 Concen: 111.598 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.4	38.2

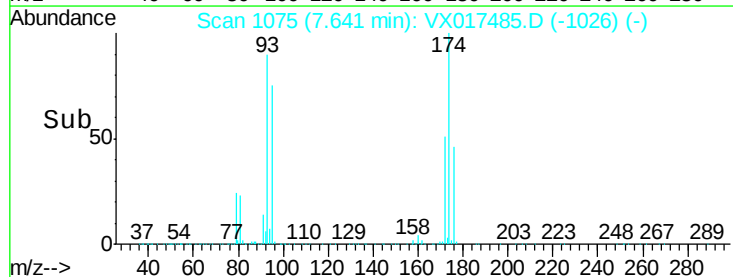
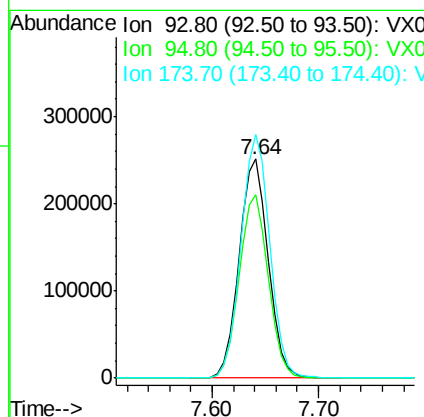
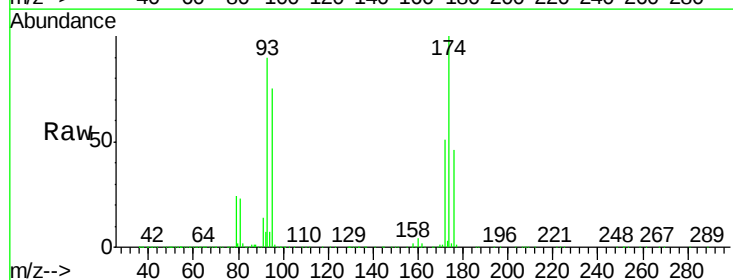
Manual Integrations
 APPROVED

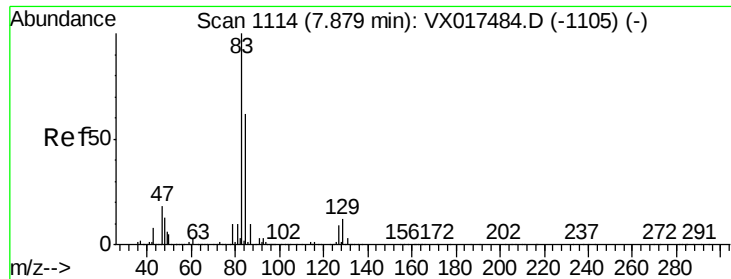
MMDadoda
 7/24/2020 1:00:55 PM



#46
 Dibromomethane
 Concen: 106.037 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.7	98.5
174	109.9	91.8	137.8





#47

Bromodichloromethane

Concen: 103.703 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

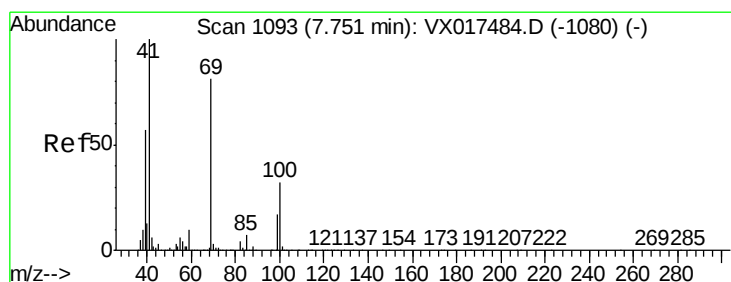
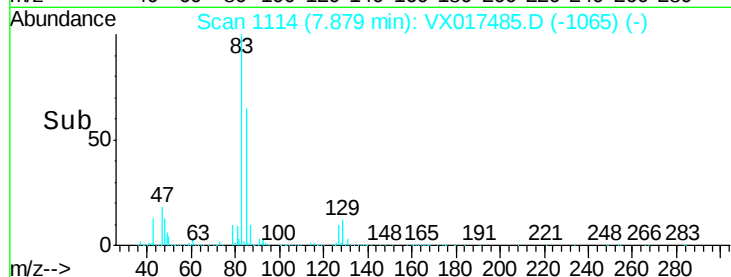
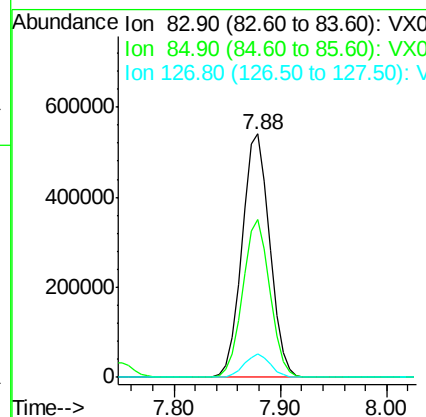
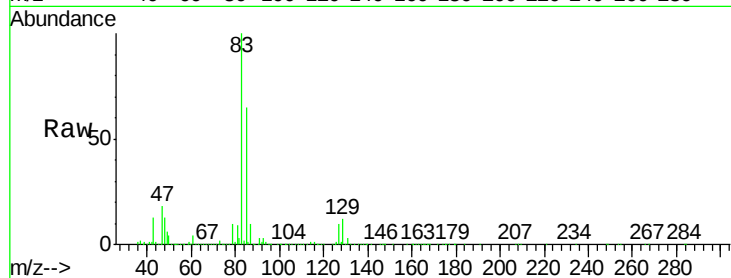
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	988821
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.6	74.4
127	9.7	7.4	11.2

Manual Integrations
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MMDadoda
7/24/2020 1:00:55 PM



#48

Methyl methacrylate

Concen: 122.625 ug/l

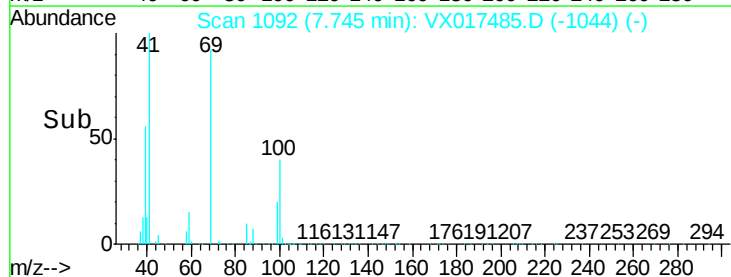
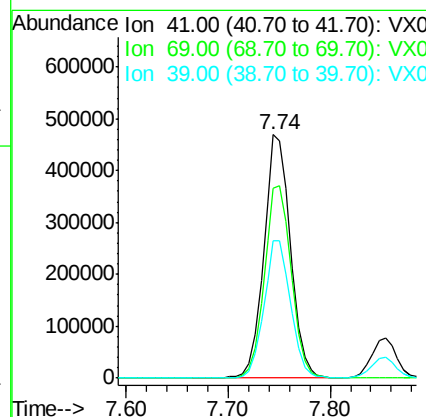
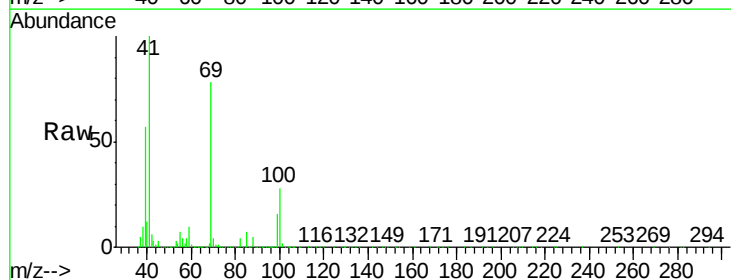
RT: 7.74 min Scan# 1092

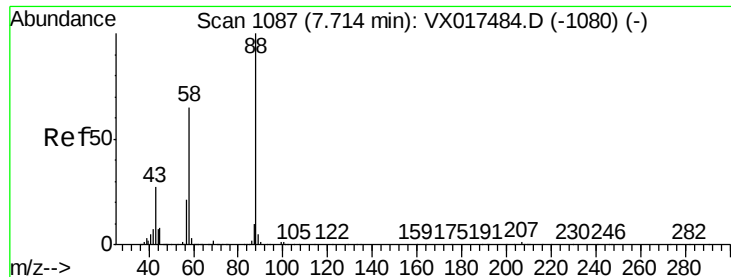
Delta R.T. -0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion:	41	Resp:	849313
Ion Ratio	Lower	Upper	
41	100		
69	80.0	64.3	96.5
39	56.6	46.8	70.2





#49

1,4-Dioxane

Concen: 2405.162 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

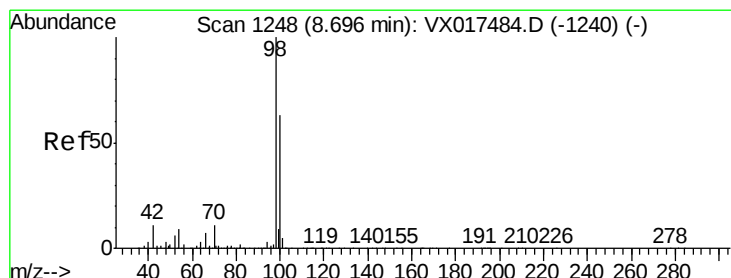
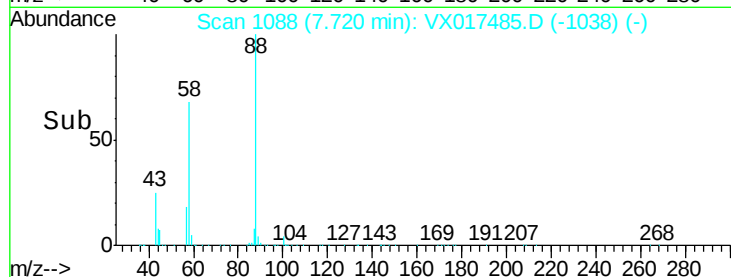
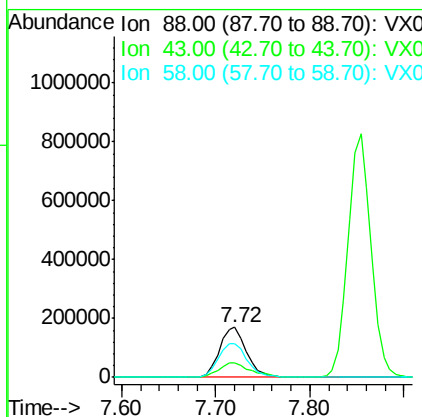
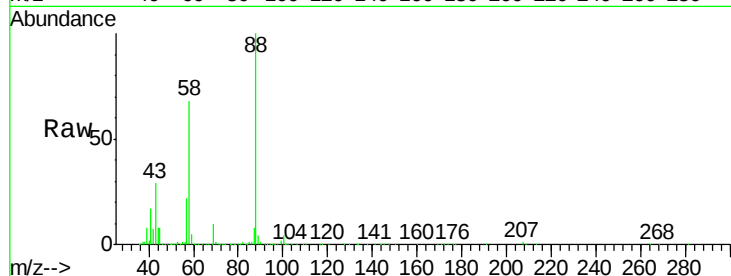
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	335620
Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.3	40.9
58	72.9	55.5	83.3

Manual Integrations
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#50

Toluene-d8

Concen: 102.049 ug/l

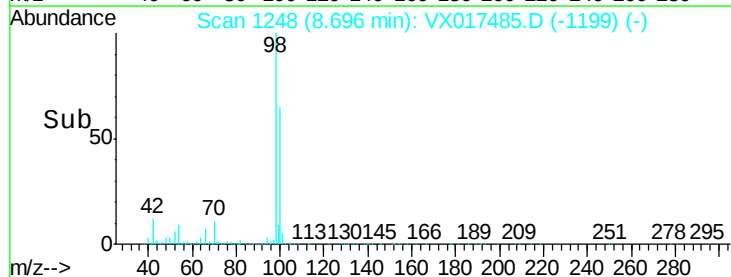
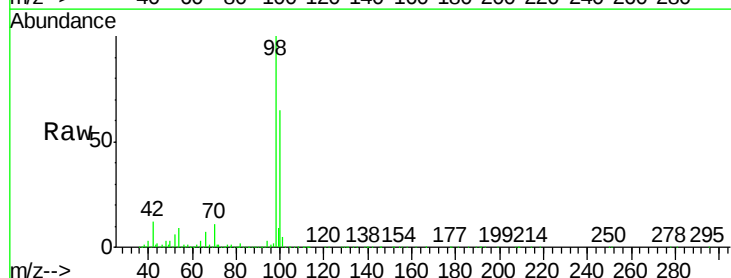
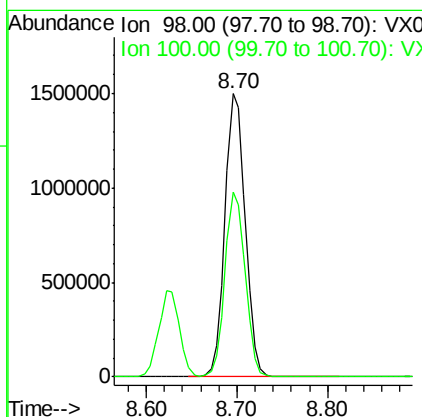
RT: 8.70 min Scan# 1248

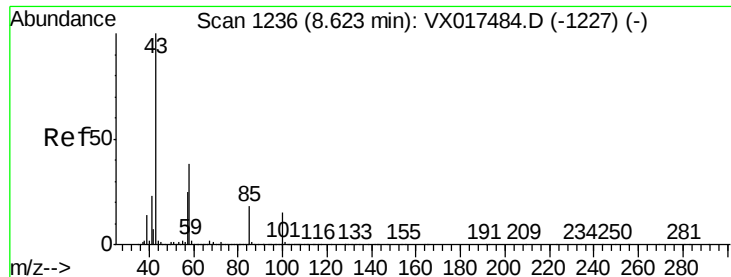
Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion:	98	Resp:	2326858
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4





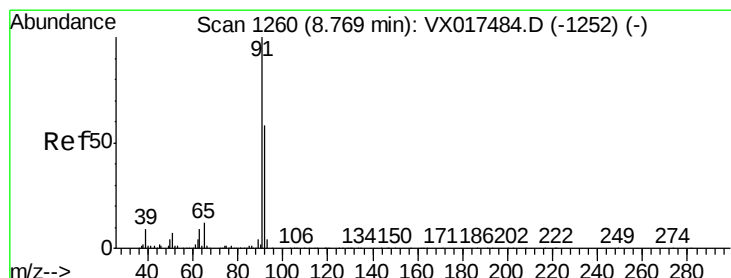
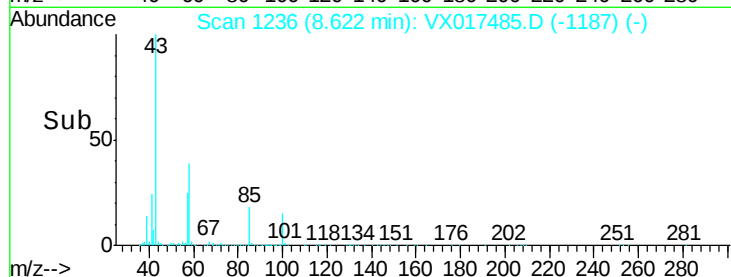
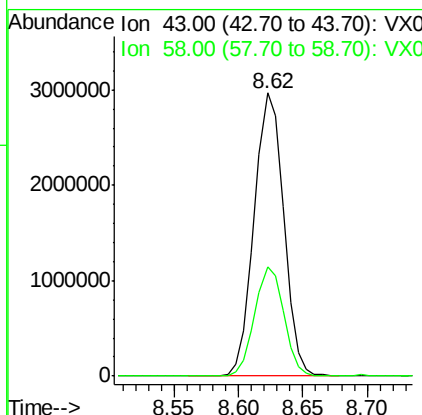
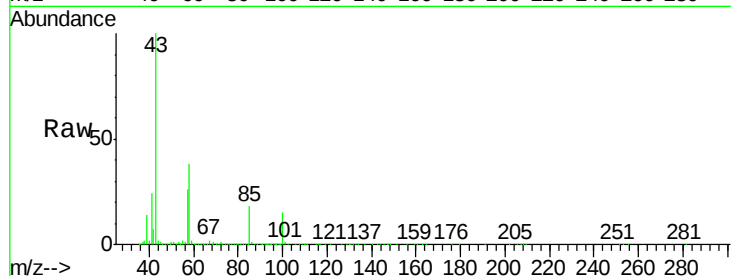
#51
4-Methyl-2-Pentanone
Concen: 529.536 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4695782
Ion Ratio Lower Upper
43 100
58 38.2 30.6 46.0

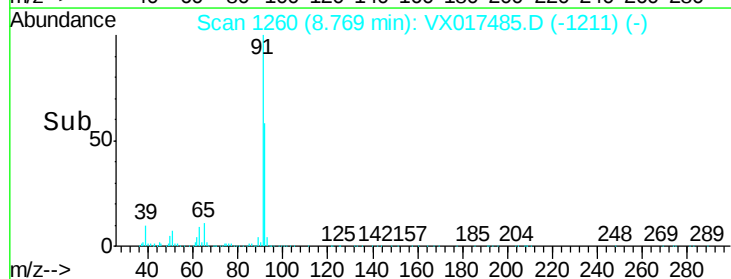
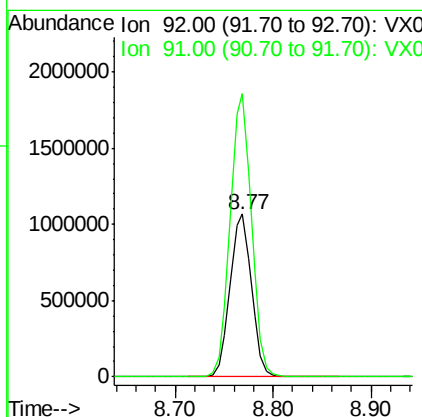
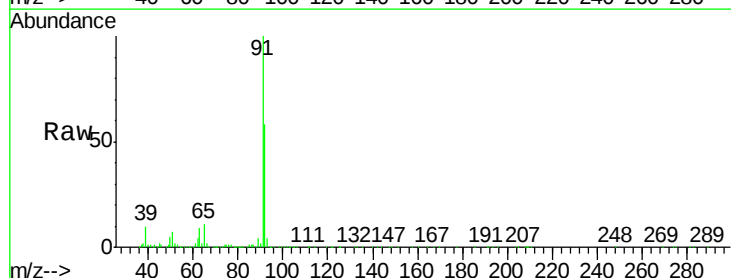
Manual Integrations
APPROVED

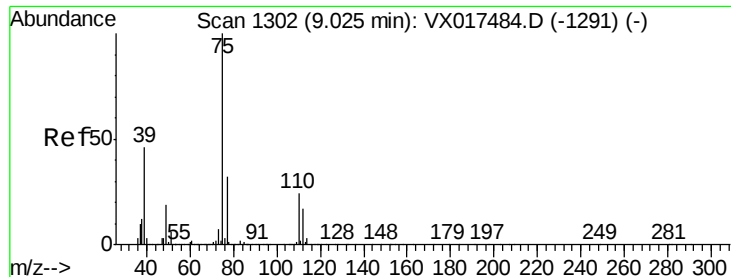
MMDadoda
7/24/2020 1:00:55 PM



#52
Toluene
Concen: 102.864 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 92 Resp: 1622880
Ion Ratio Lower Upper
92 100
91 172.8 138.5 207.7





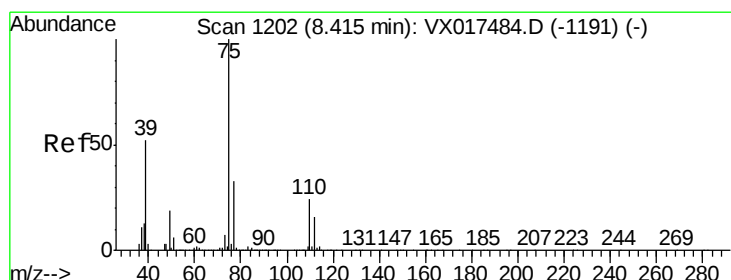
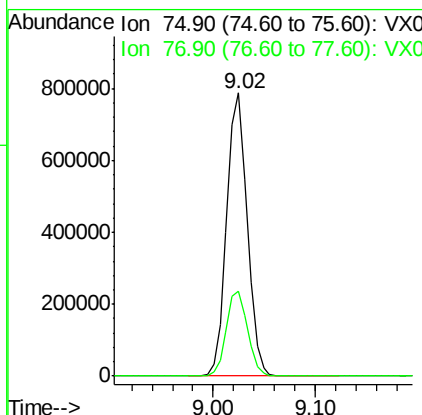
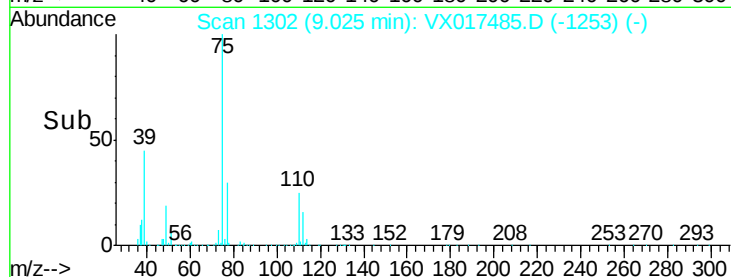
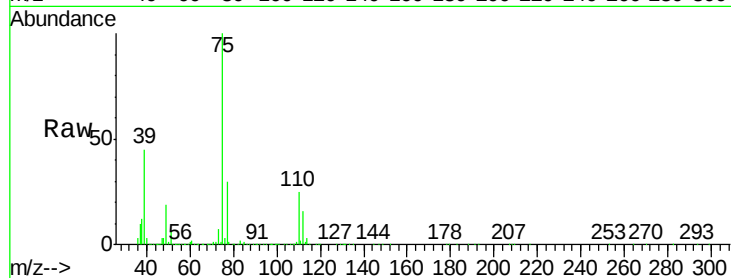
#53
t-1,3-Dichloropropene
Concen: 104.992 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1095503
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.2

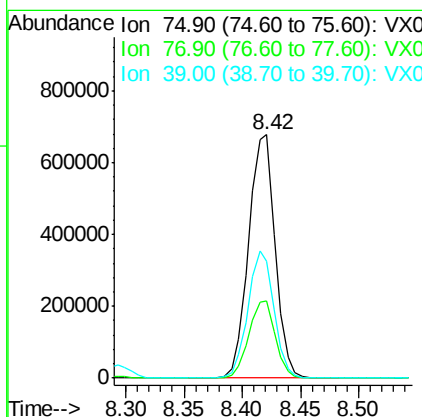
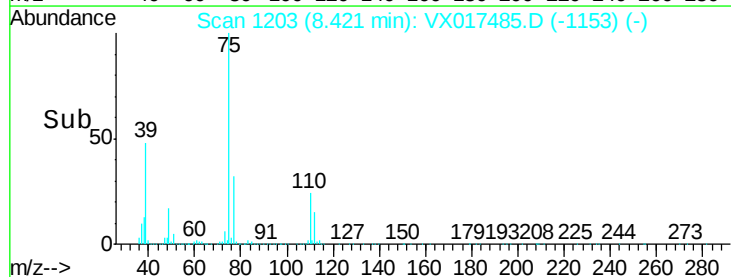
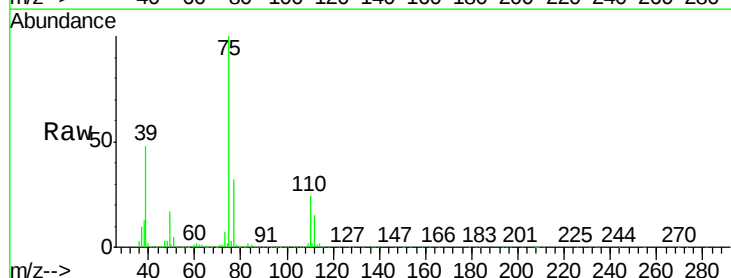
Manual Integrations
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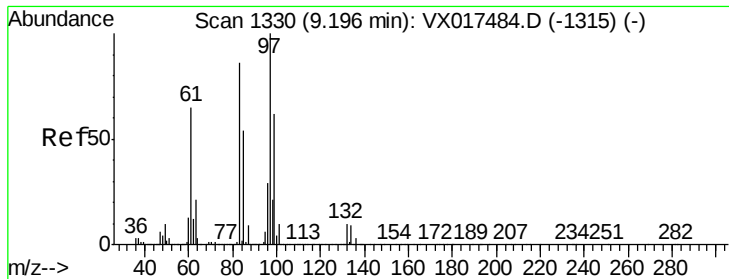
MMDadoda
7/24/2020 1:00:55 PM



#54
cis-1,3-Dichloropropene
Concen: 98.636 ug/l
RT: 8.42 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 75 Resp: 1081730
Ion Ratio Lower Upper
75 100
77 31.7 26.6 39.8
39 47.9 41.1 61.7





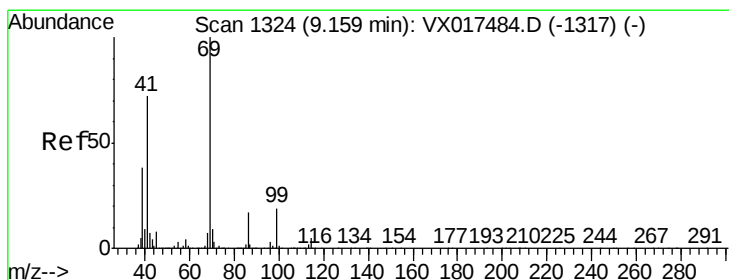
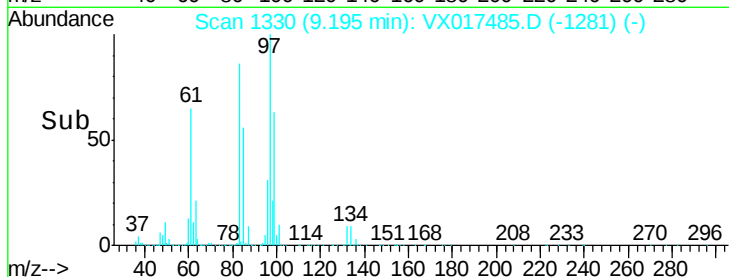
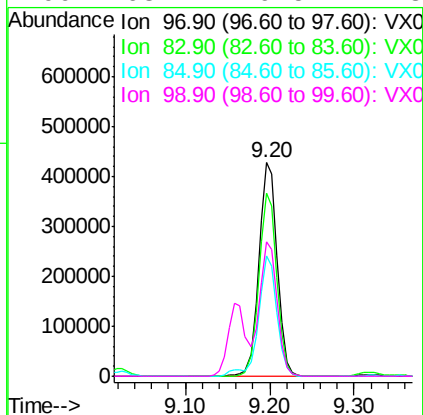
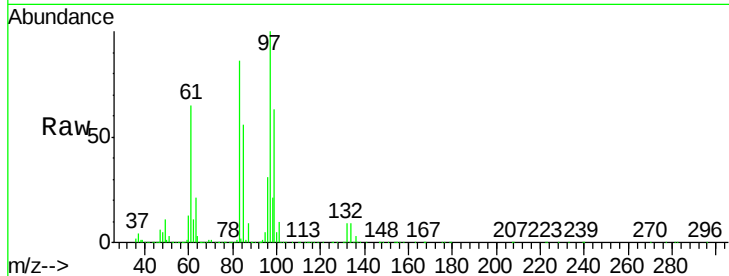
#55
 1,1,2-Trichloroethane
 Concen: 96.072 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.9	103.3
85	56.1	43.6	65.4
99	63.1	49.5	74.3

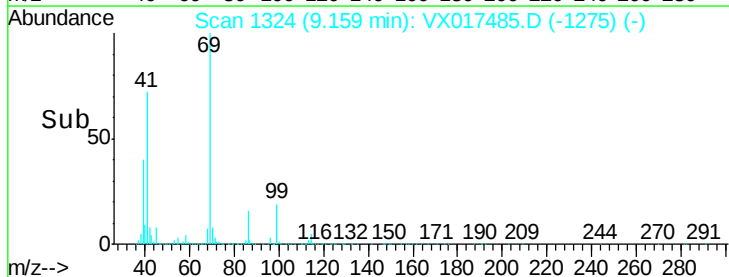
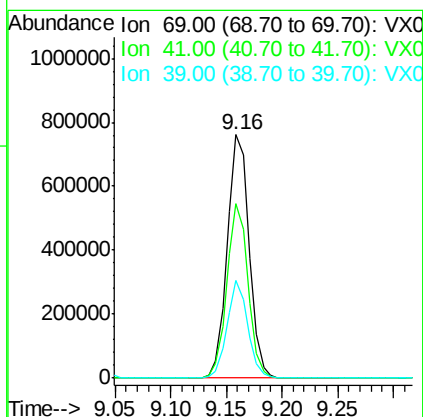
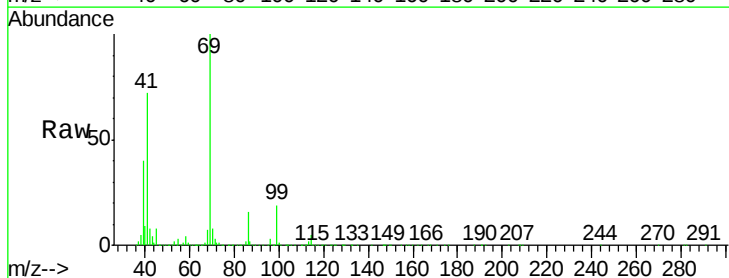
Manual Integrations
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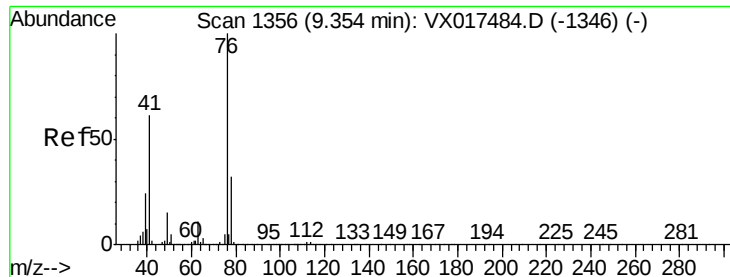
MMDadoda
 7/24/2020 1:00:55 PM



#56
 Ethyl methacrylate
 Concen: 108.028 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	37.8	30.4	45.6





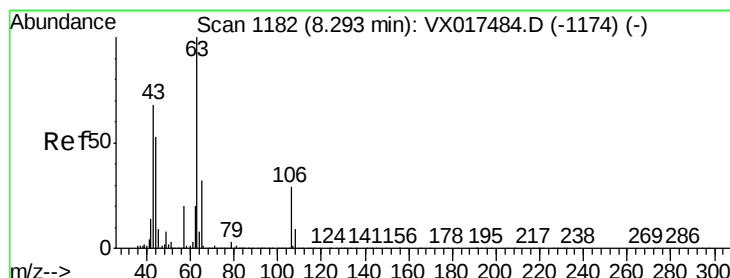
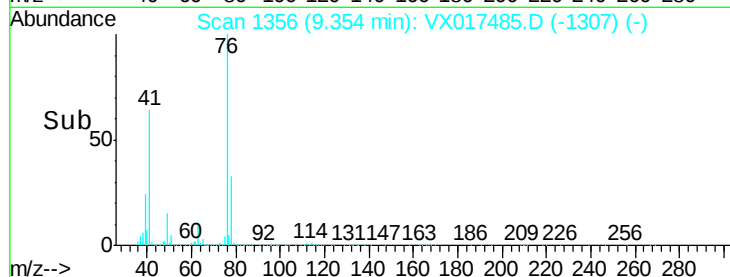
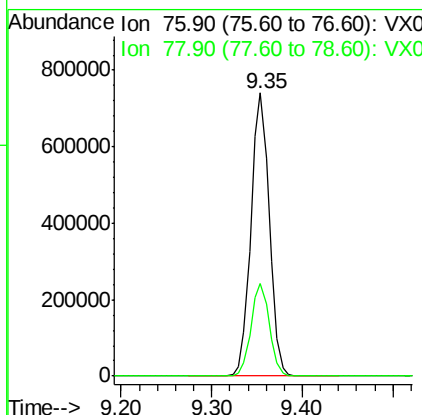
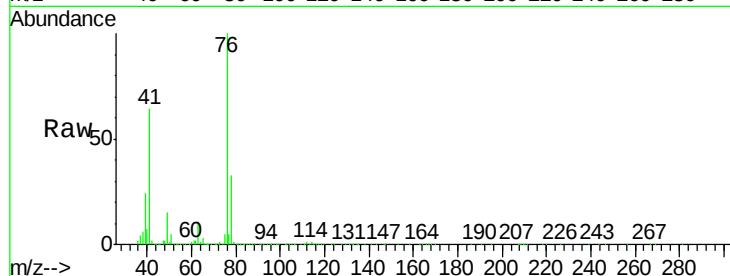
#57
 1,3-Dichloropropane
 Concen: 93.837 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion: 76 Resp: 1039680
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

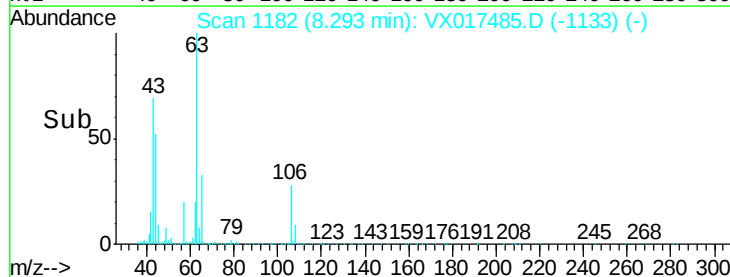
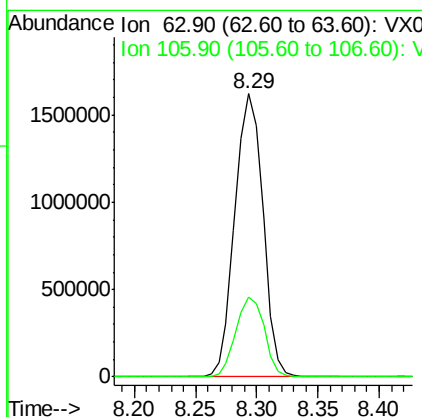
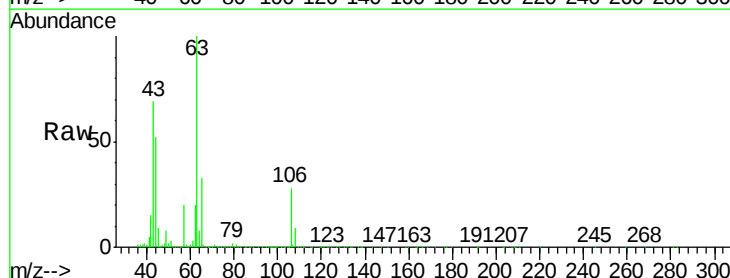
Manual Integrations
 APPROVED

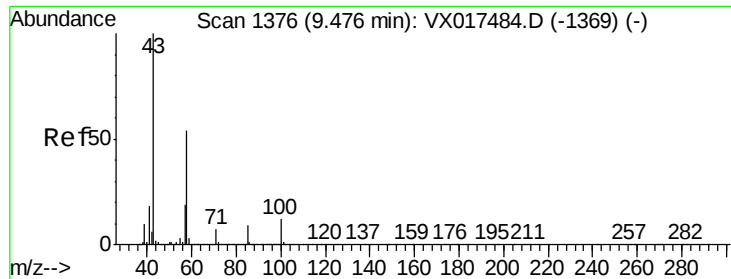
MMDadoda
 7/24/2020 1:00:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 532.810 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion: 63 Resp: 2581993
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.8 34.2





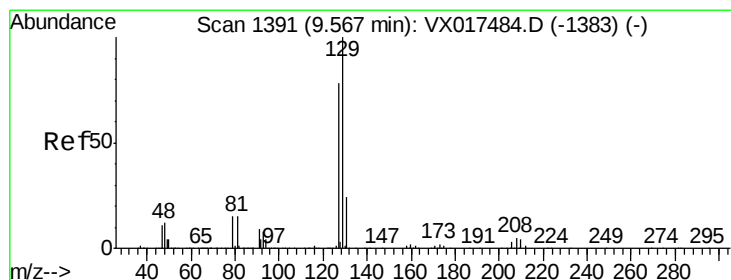
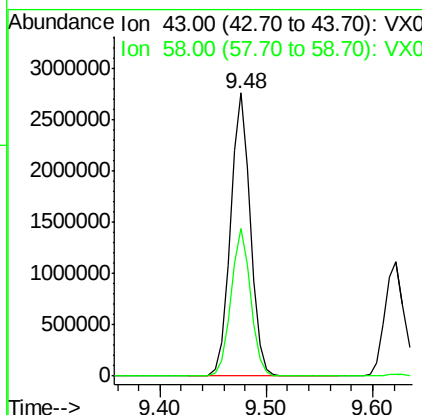
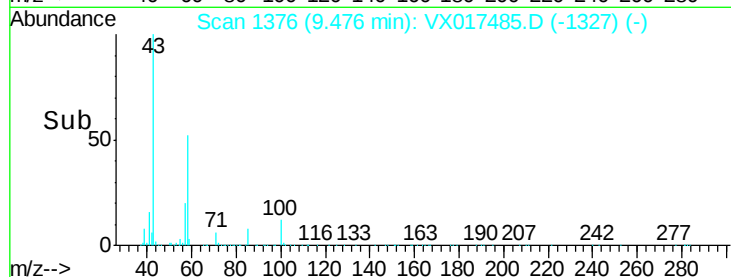
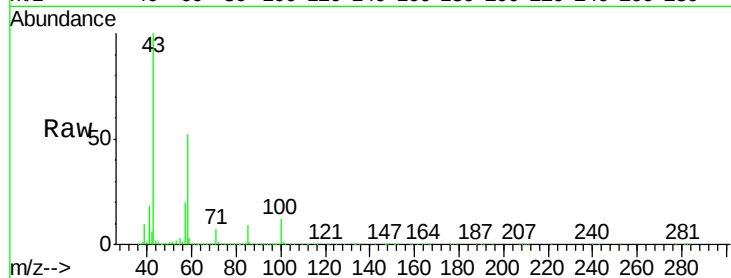
#59
2-Hexanone
Concen: 534.342 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3593513
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8

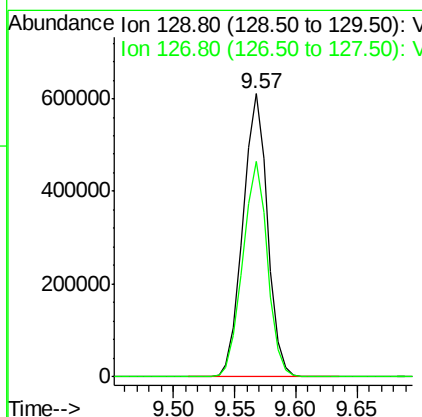
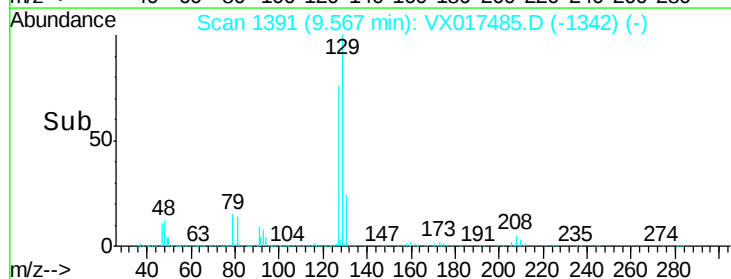
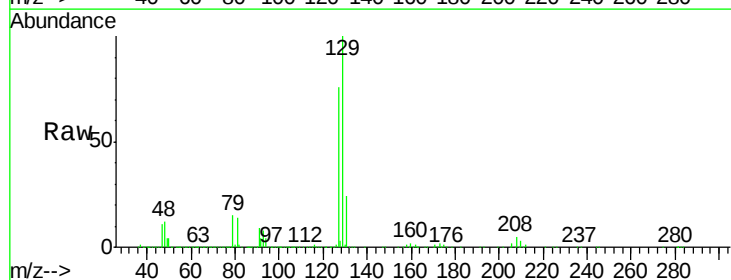
Manual Integrations
APPROVED

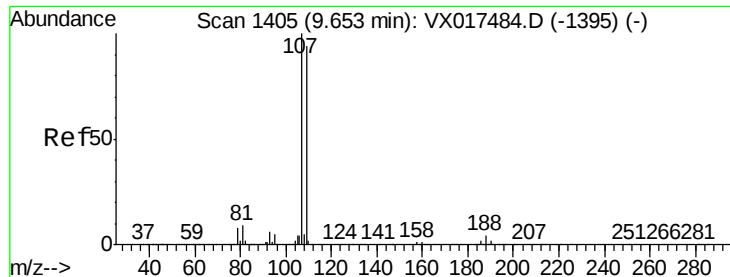
MMDadoda
7/24/2020 1:00:55 PM



#60
Dibromochloromethane
Concen: 104.225 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 129 Resp: 851631
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 97.743 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 708775

Ion Ratio Lower Upper

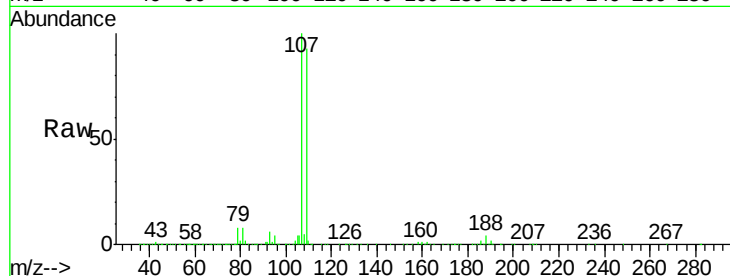
107 100

109 95.2 75.0 112.6

Manual Integrations
APPROVED

MMDadoda

7/24/2020 1:00:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

500000

400000

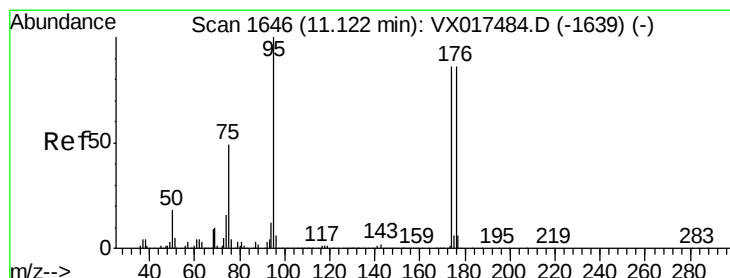
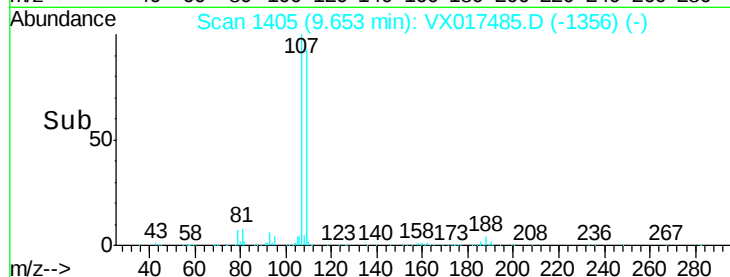
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 109.347 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

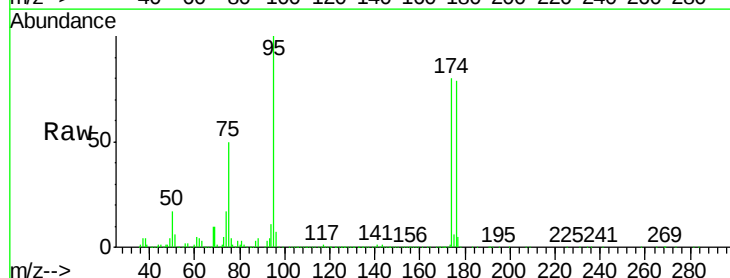
Tgt Ion: 95 Resp: 979459

Ion Ratio Lower Upper

95 100

174 81.6 0.0 169.2

176 78.1 0.0 167.2



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

11.12

1000000

800000

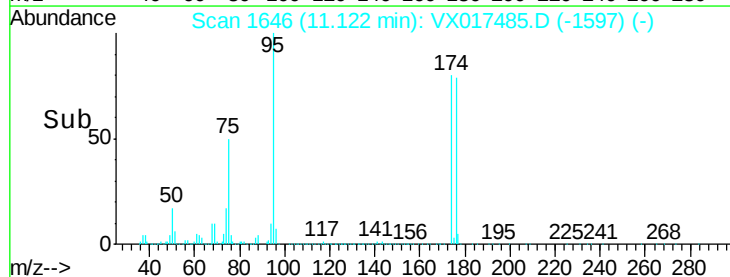
600000

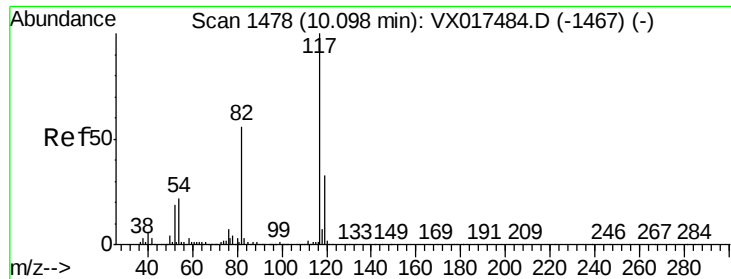
400000

200000

0

Time-->





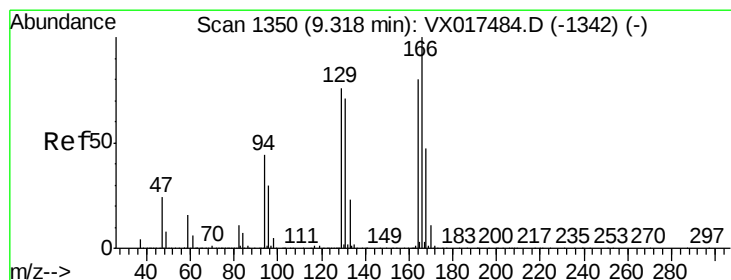
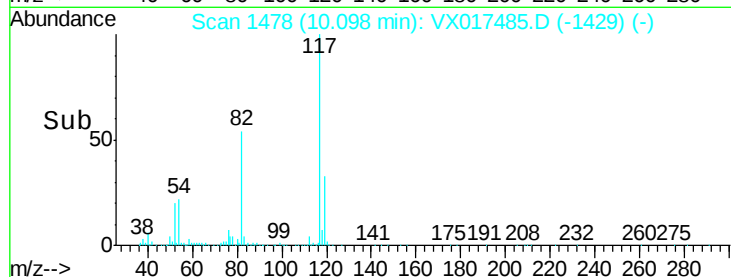
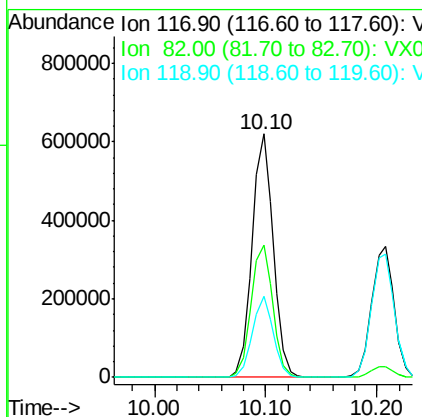
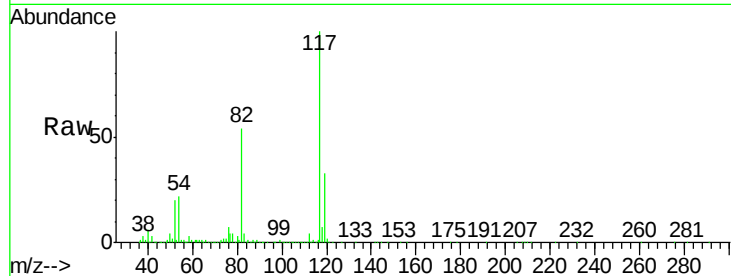
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	66.8
119	33.4	26.6	39.8

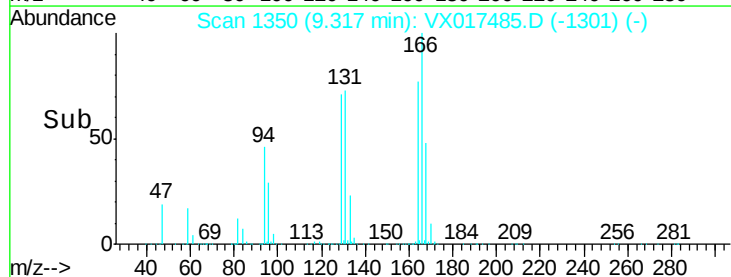
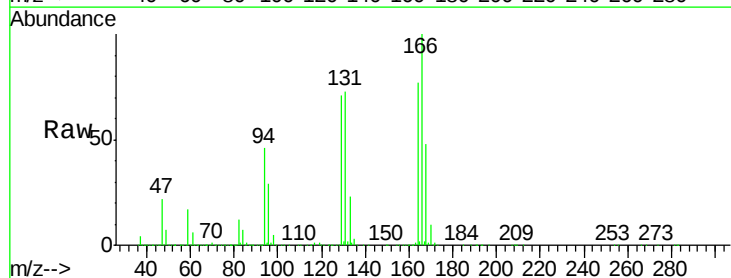
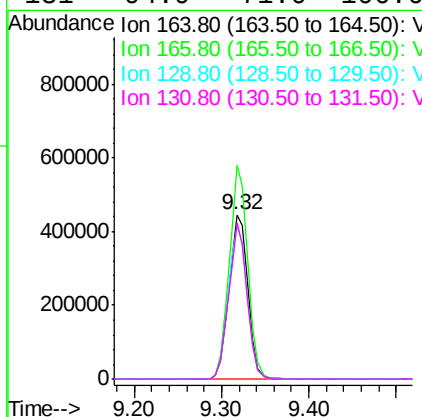
Manual Integrations
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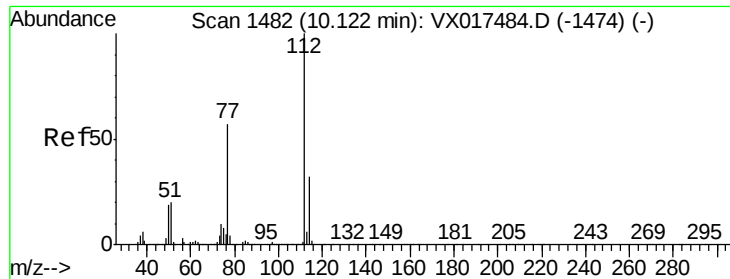
MMDadoda
7/24/2020 1:00:55 PM



#64
Tetrachloroethene
Concen: 94.019 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	100.2	150.4
129	92.8	75.8	113.6
131	94.9	71.0	106.6





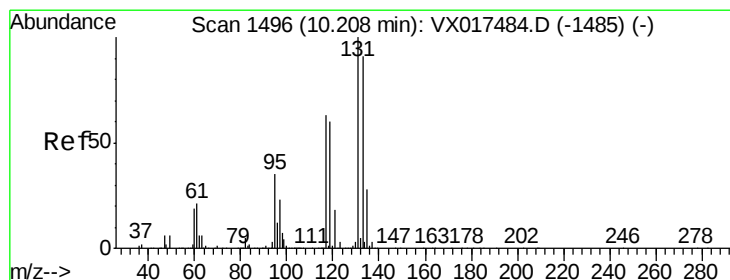
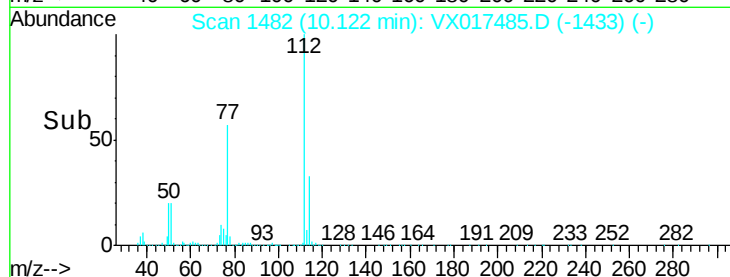
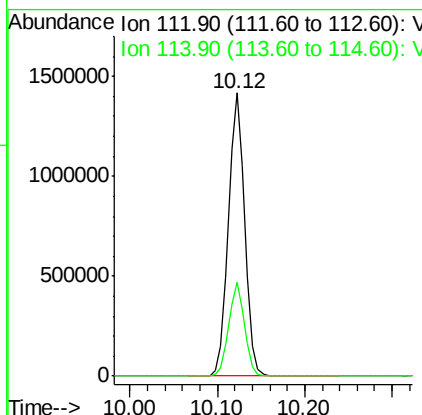
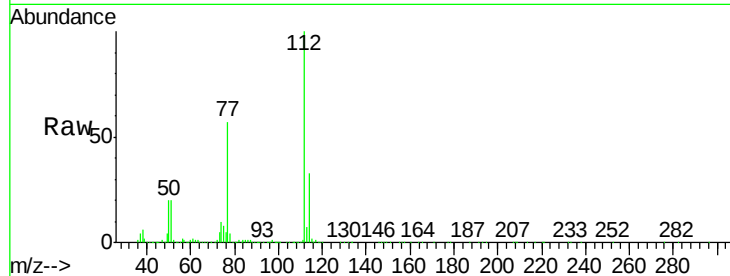
#65
Chlorobenzene
Concen: 108.466 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1823199
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8

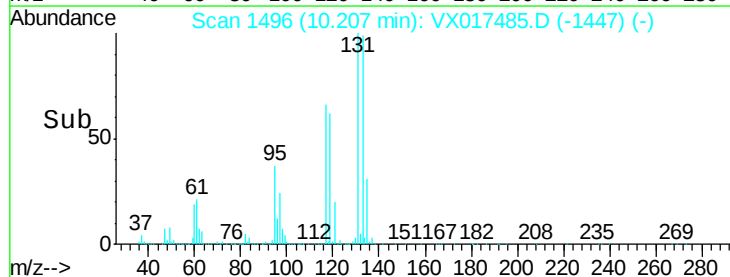
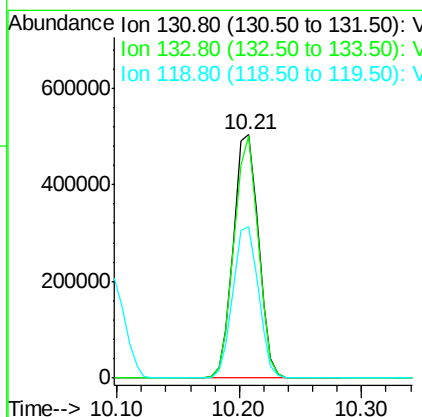
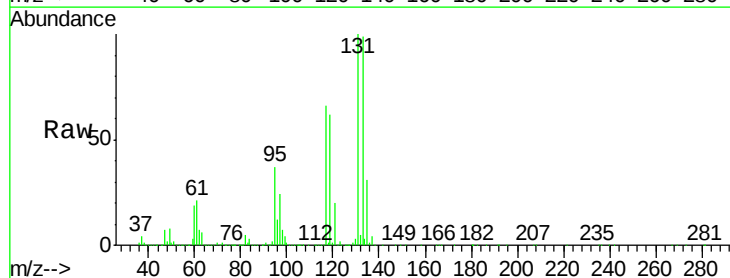
Manual Integrations
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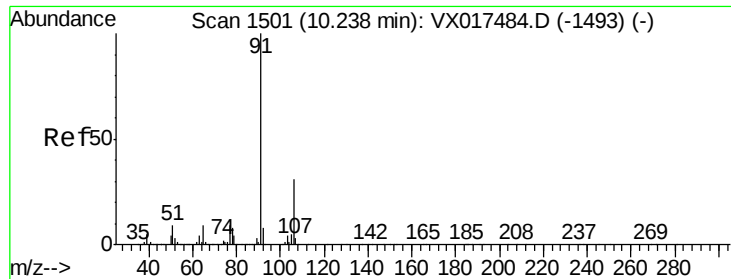
MMDadoda
7/24/2020 1:00:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 106.468 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion:131 Resp: 712076
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.7
119 63.2 30.9 92.8





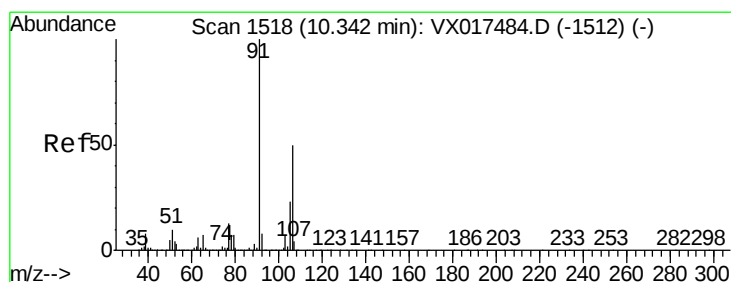
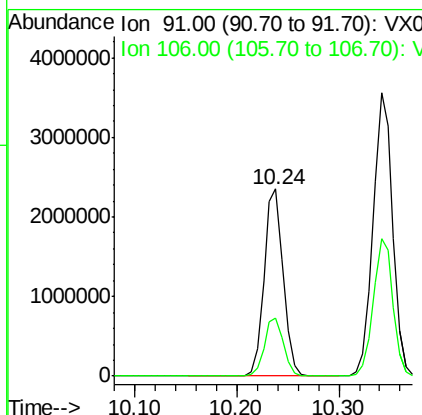
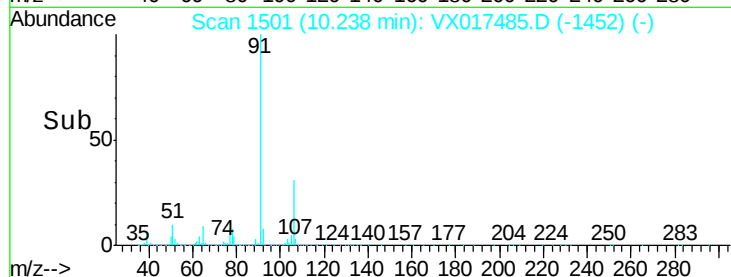
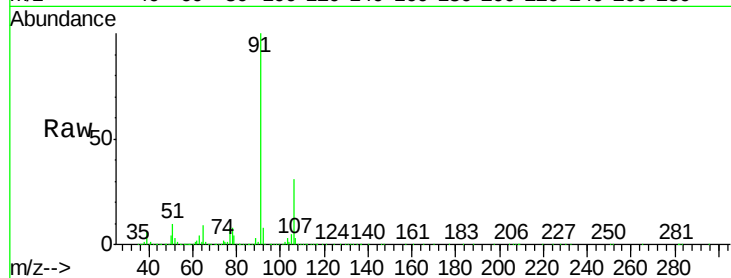
#67
Ethyl Benzene
Concen: 109.910 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3062002
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

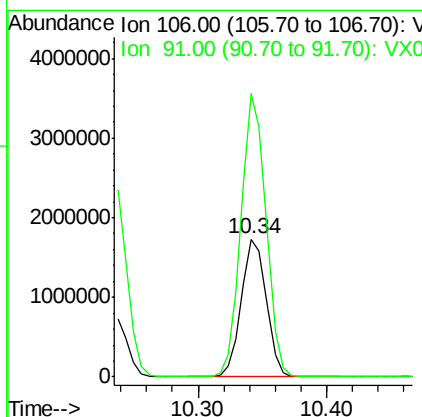
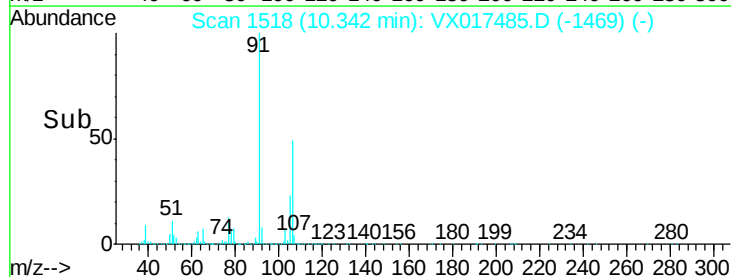
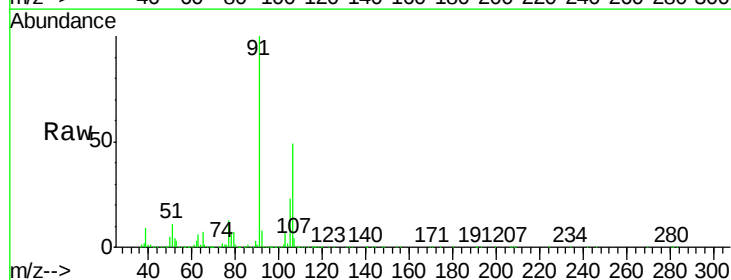
Manual Integrations
APPROVED

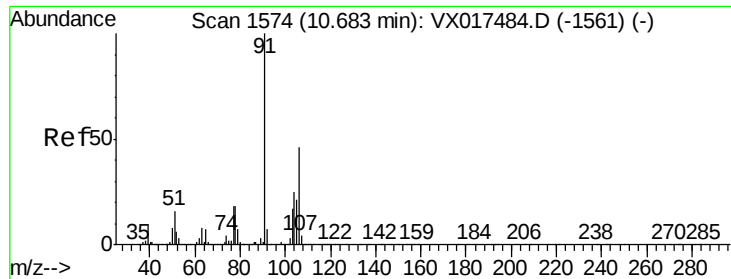
MMDadoda
7/24/2020 1:00:55 PM



#68
m/p-Xylenes
Concen: 218.548 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 106 Resp: 2325956
Ion Ratio Lower Upper
106 100
91 204.3 163.4 245.2





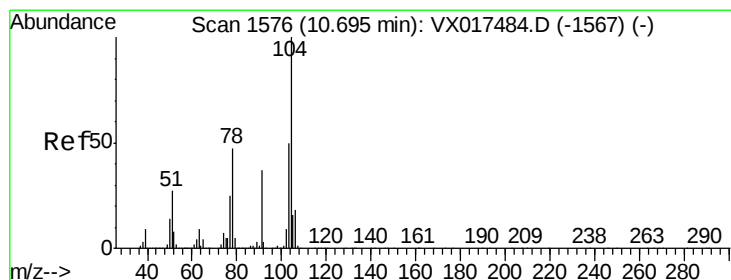
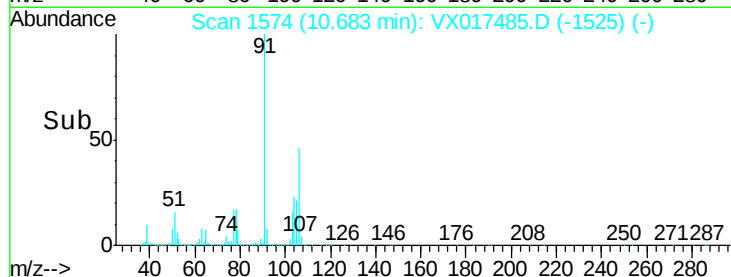
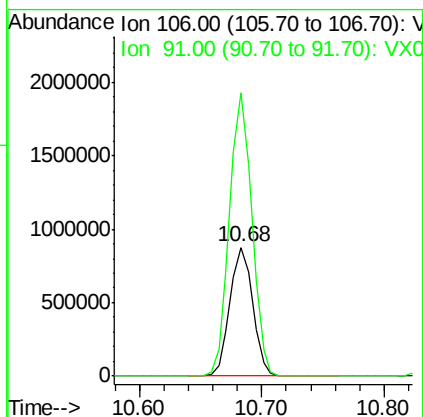
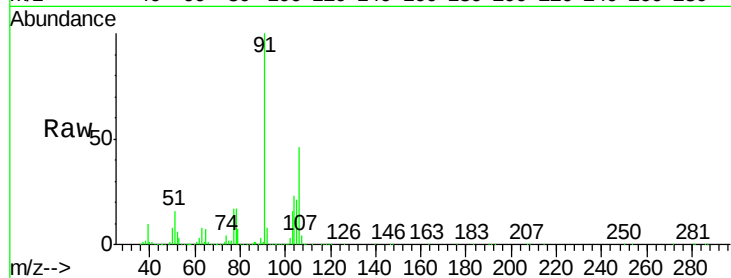
#69
o-Xylene
Concen: 110.699 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:106 Resp: 1125631
Ion Ratio Lower Upper
106 100
91 217.2 107.6 322.8

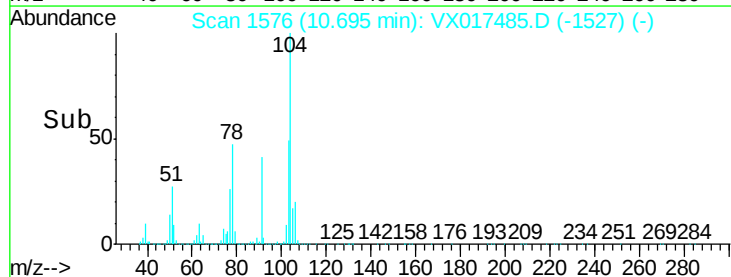
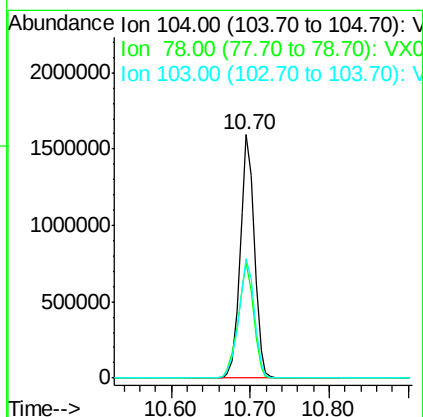
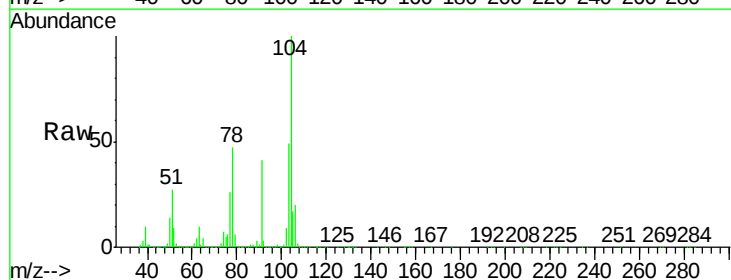
Manual Integrations
APPROVED

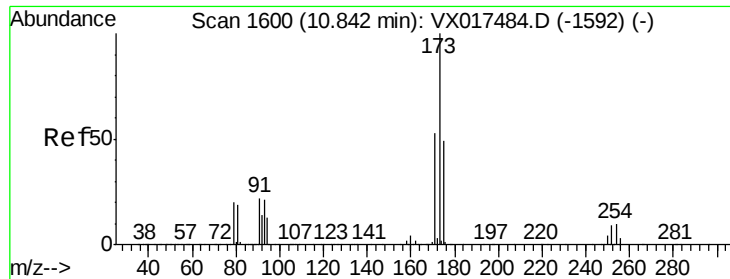
MMDadoda
7/24/2020 1:00:55 PM



#70
Styrene
Concen: 113.915 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion:104 Resp: 1992187
Ion Ratio Lower Upper
104 100
78 52.2 41.4 62.2
103 54.5 43.5 65.3





#71

Bromoform

Concen: 114.496 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 651328

Ion Ratio Lower Upper

173 100

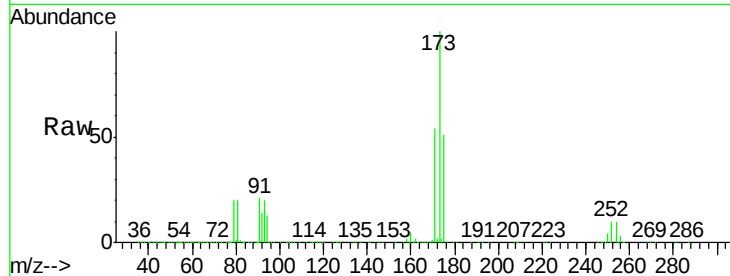
175 48.4 24.6 73.6

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

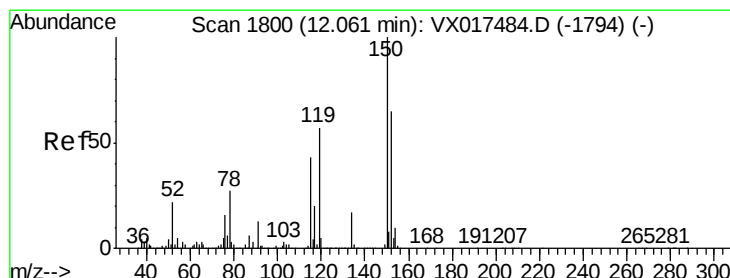
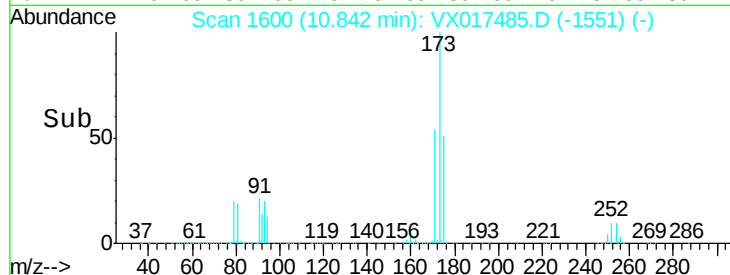
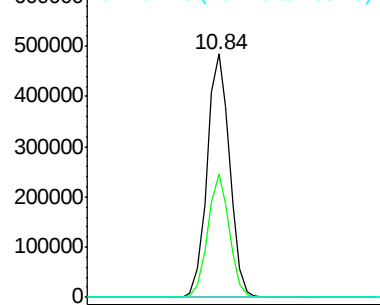
7/24/2020 1:00:55 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

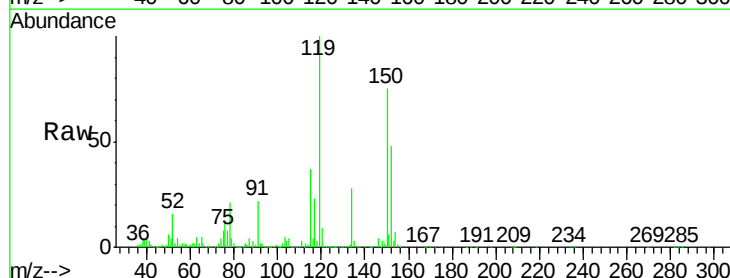
Tgt Ion:152 Resp: 446559

Ion Ratio Lower Upper

152 100

115 107.7 41.9 125.6

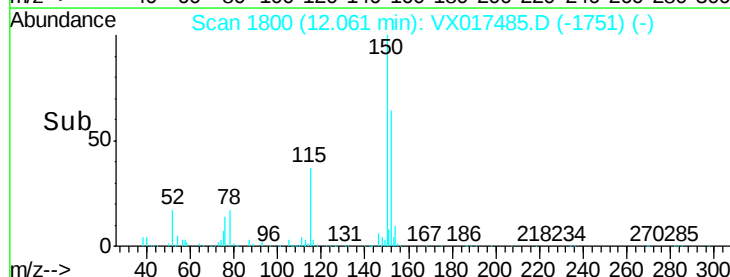
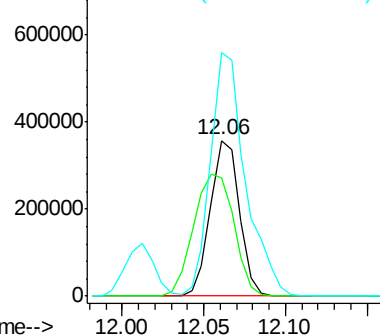
150 187.8 0.0 348.6

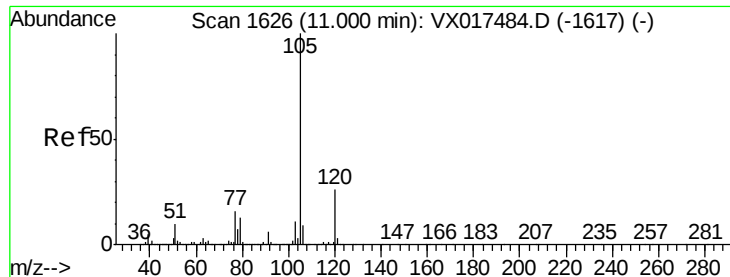


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 109.375 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3079581

Ion Ratio Lower Upper

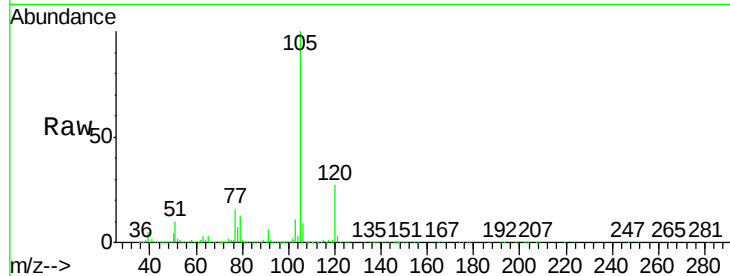
105 100

120 27.3 13.2 39.6

Manual Integrations
APPROVED

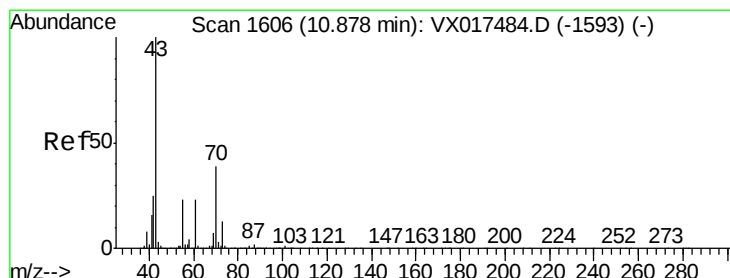
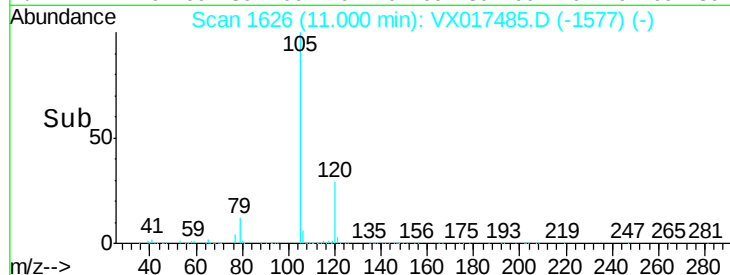
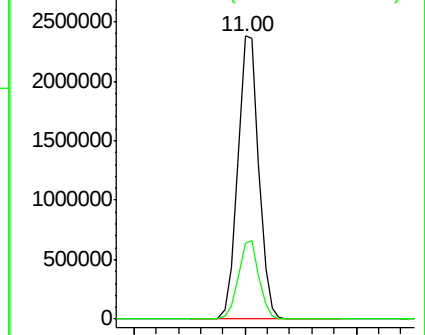
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 121.649 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion: 43 Resp: 1413362

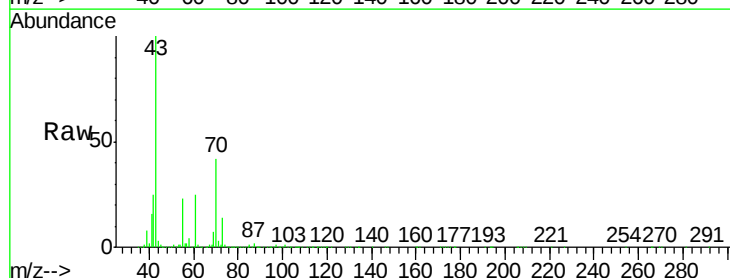
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.2

55 22.7 18.6 27.8

61 23.7 18.9 28.3

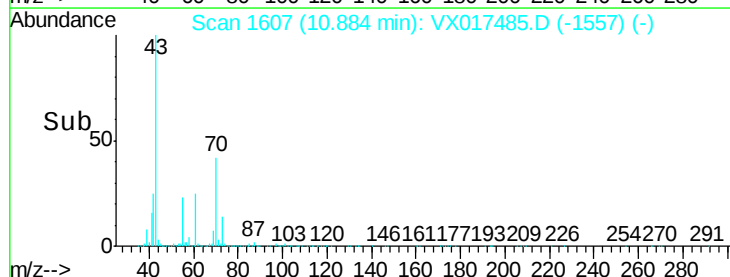
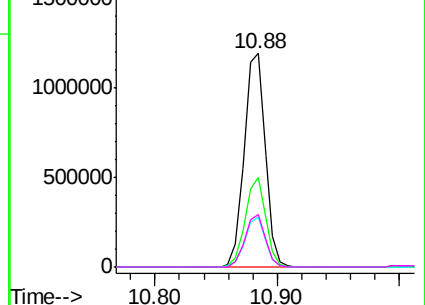


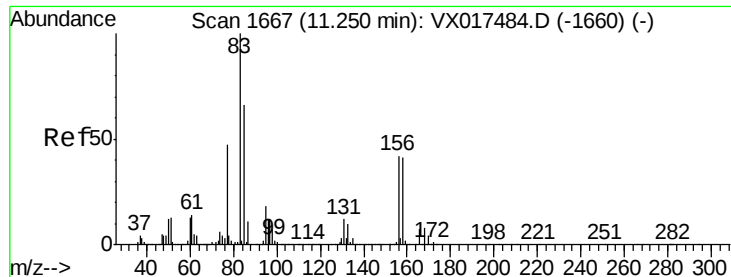
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 112.777 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 968599

Ion Ratio Lower Upper

83 100

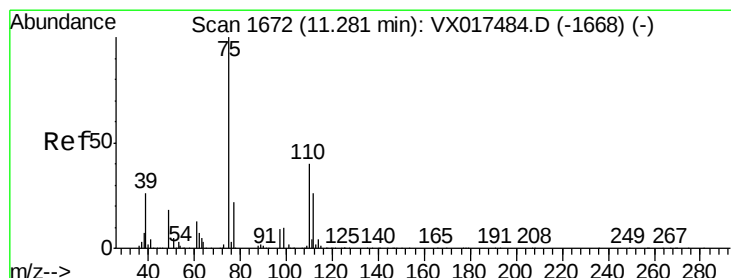
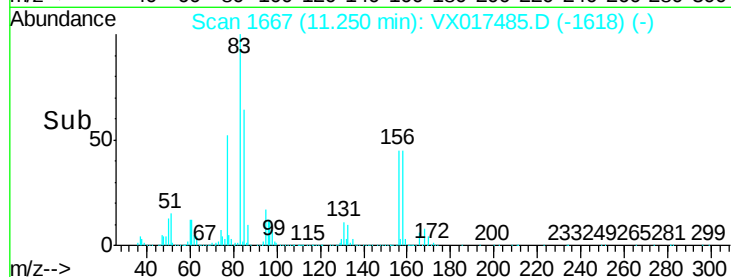
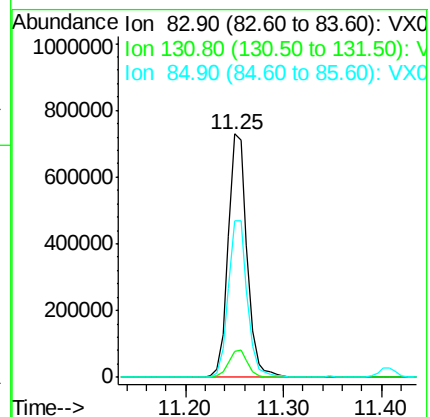
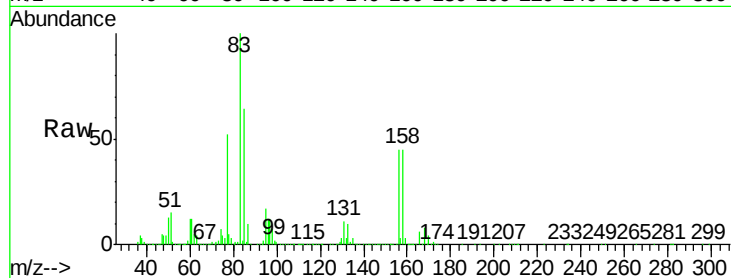
131 11.2 5.9 17.6

85 65.5 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 106.404 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017485.D

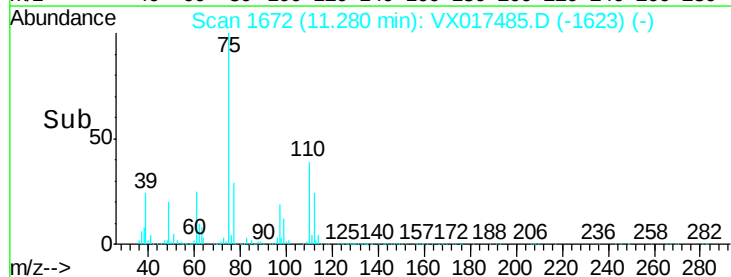
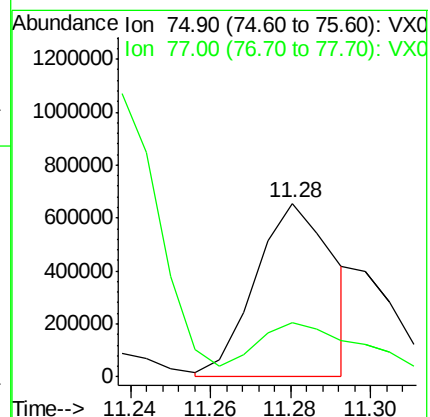
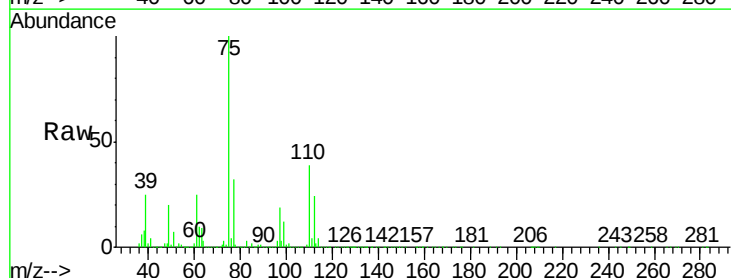
Acq: 23 Jul 2020 11:37

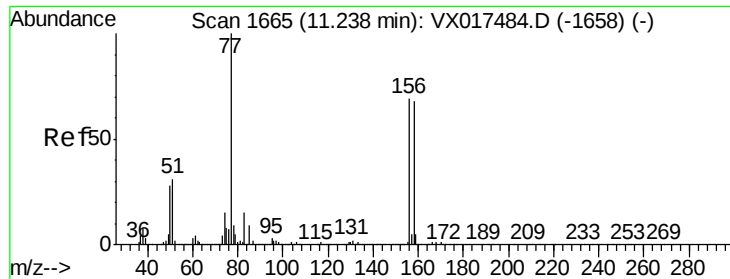
Tgt Ion: 75 Resp: 891270

Ion Ratio Lower Upper

75 100

77 42.9 20.9 62.8





#77

Bromobenzene

Concen: 107.677 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

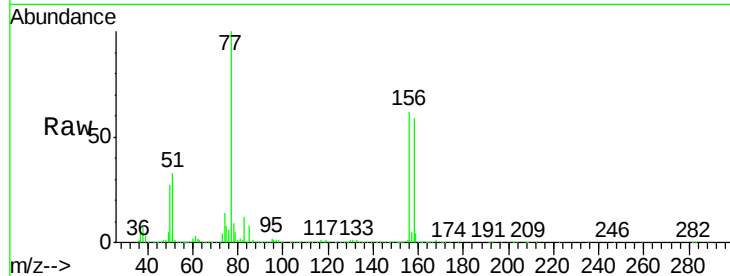
ClientSampleId :

VSTDICC100

Tot Ion:	156	Resp:	864092
Ion Ratio	Lower	Upper	
156	100		
77	153.1	73.2	219.5
158	96.5	49.0	147.0

Manual Integrations
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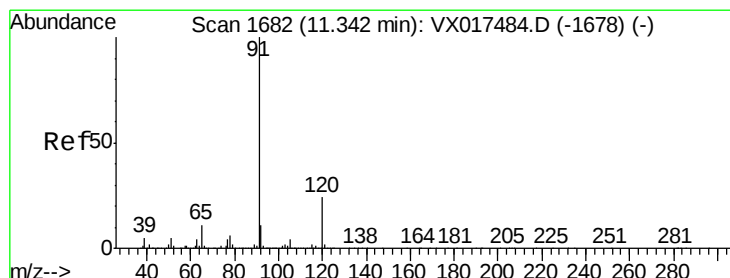
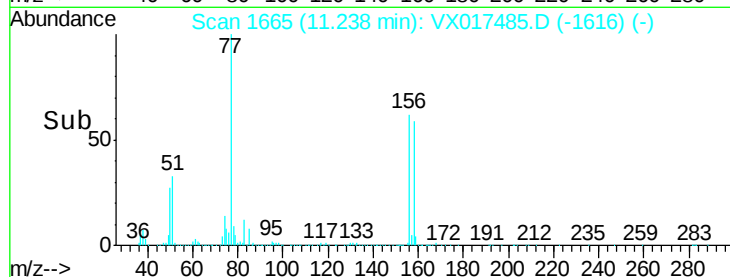
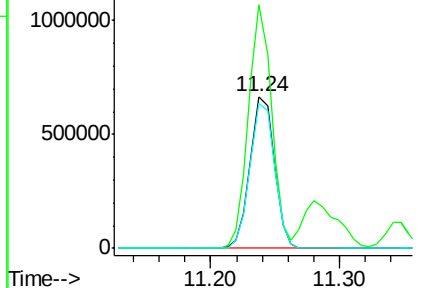
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 113.210 ug/l

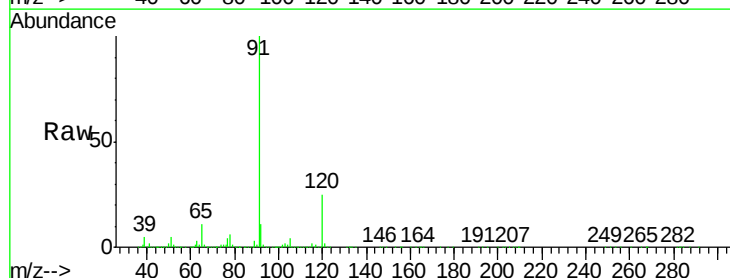
RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017485.D

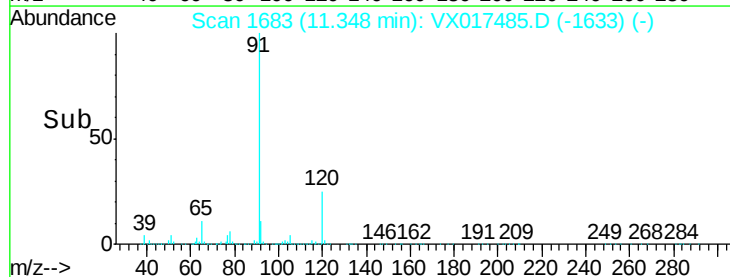
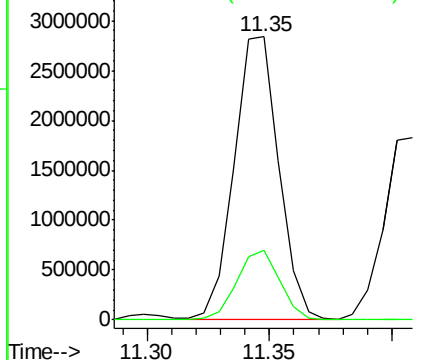
Acq: 23 Jul 2020 11:37

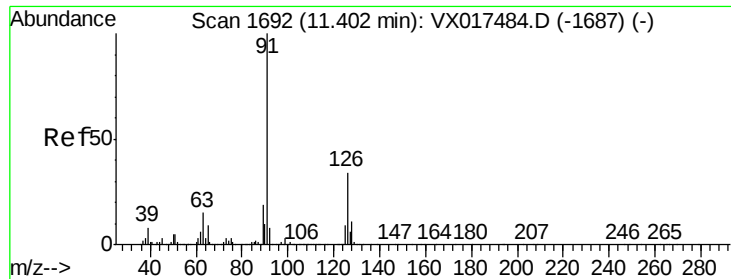
Tgt Ion:	91	Resp:	3570373
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





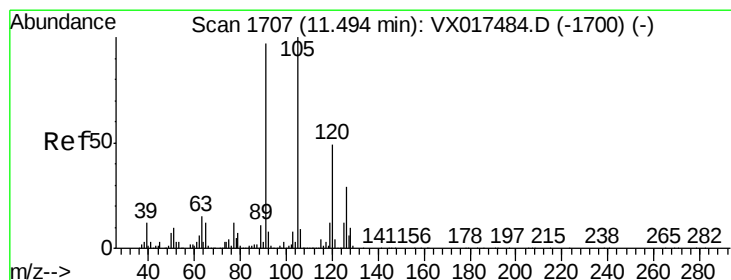
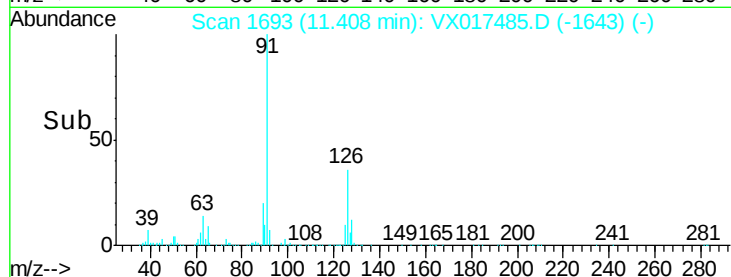
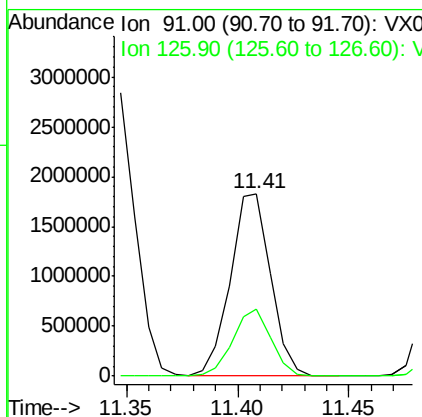
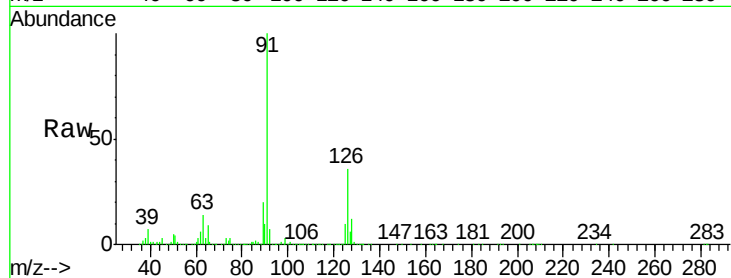
#79
2-Chlorotoluene
Concen: 118.178 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2303619
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.5

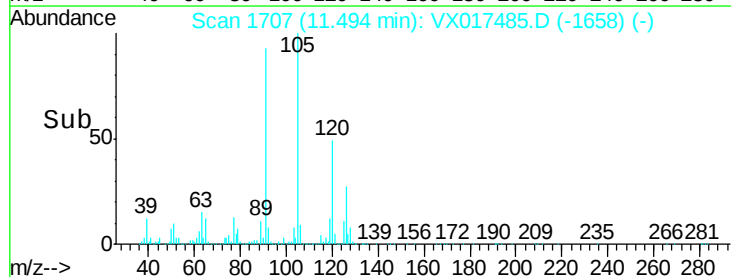
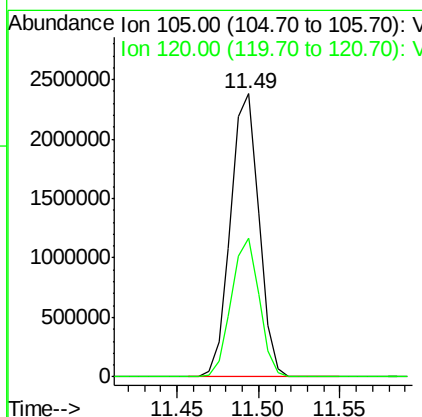
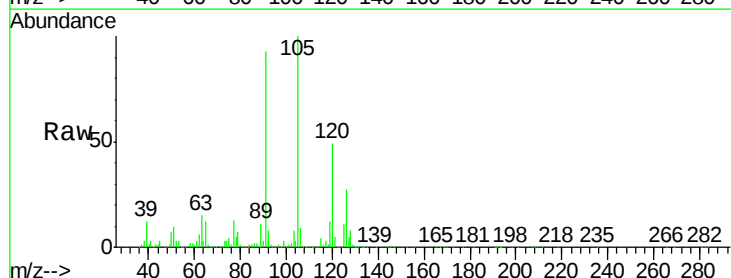
Manual Integrations
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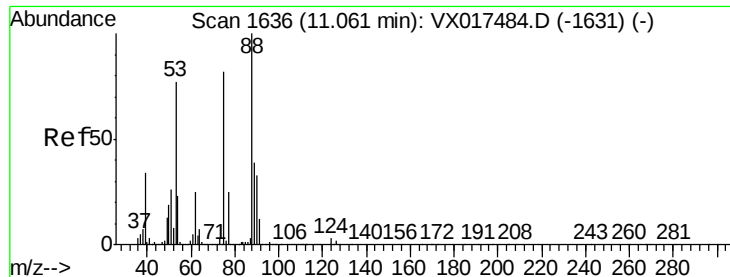
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 119.792 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 105 Resp: 2881704
Ion Ratio Lower Upper
105 100
120 48.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 117.105 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

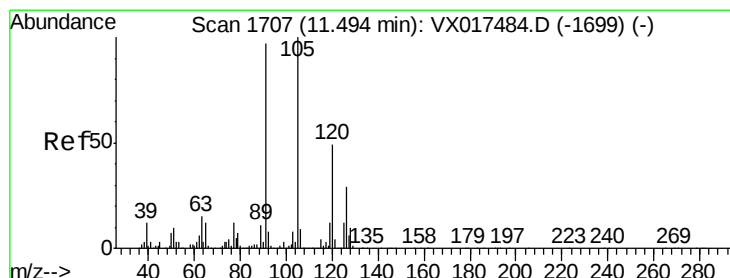
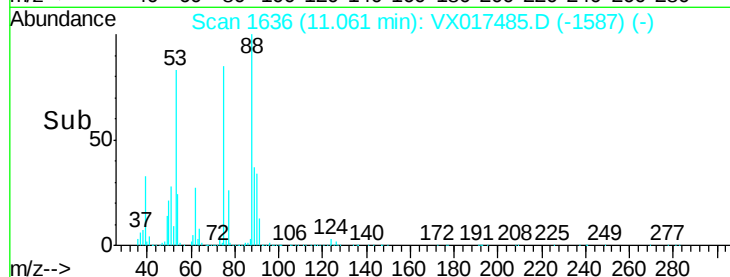
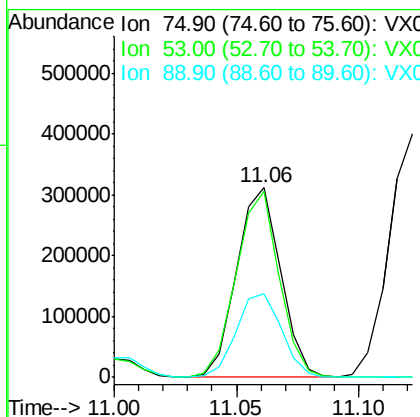
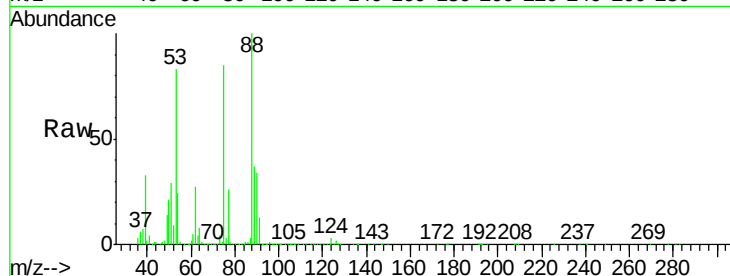
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	388354
Ion	Ratio	Lower	Upper
75	100		
53	95.7	78.2	117.2
89	45.8	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 117.415 ug/l

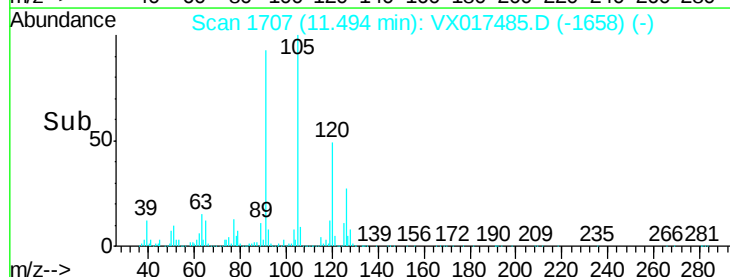
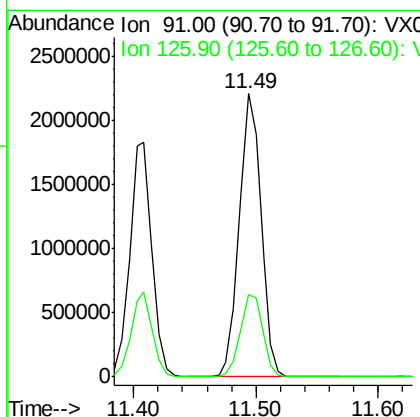
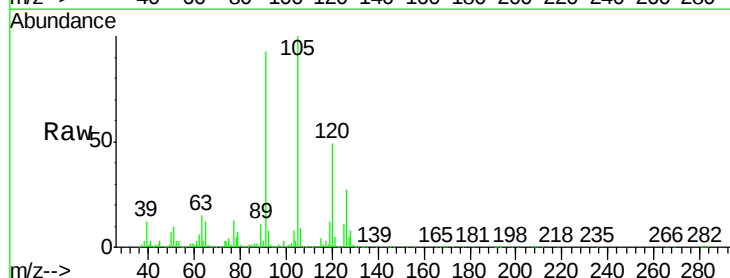
RT: 11.49 min Scan# 1707

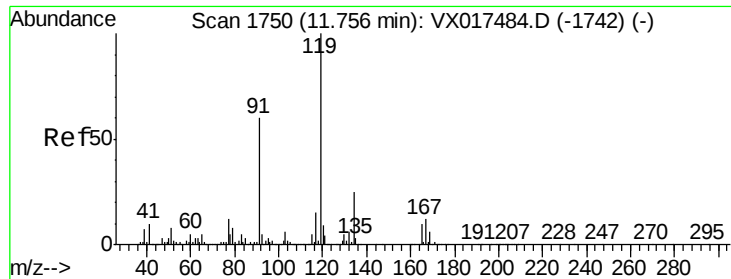
Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Tgt Ion:	91	Resp:	2716568
Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.2	45.5





#83

tert-Butylbenzene

Concen: 115.082 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2663886

Ion Ratio Lower Upper

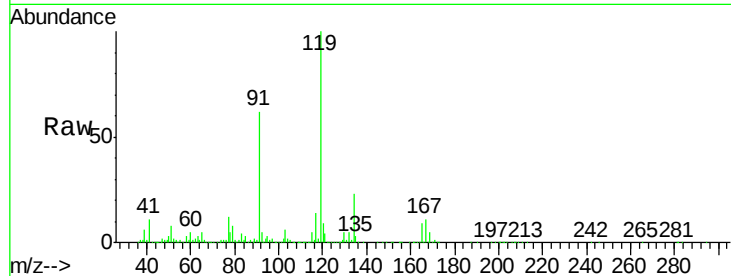
119 100

91 58.4 29.0 87.0

134 22.3 11.4 34.1

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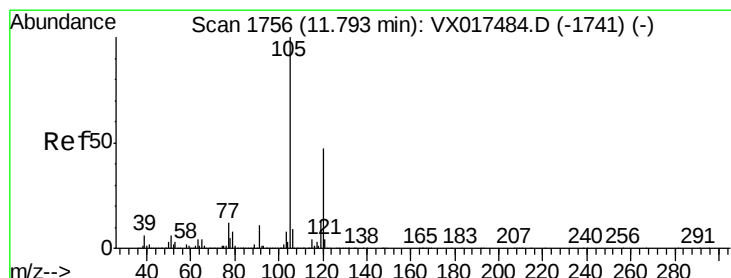
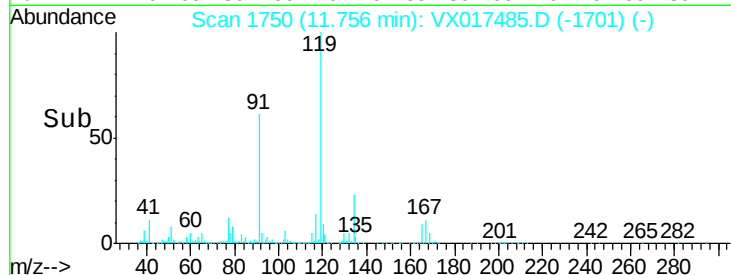
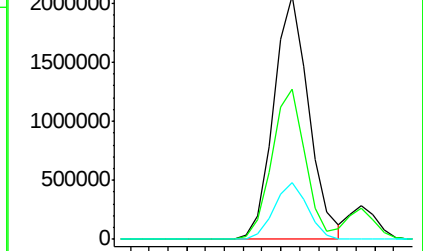
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 114.048 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017485.D

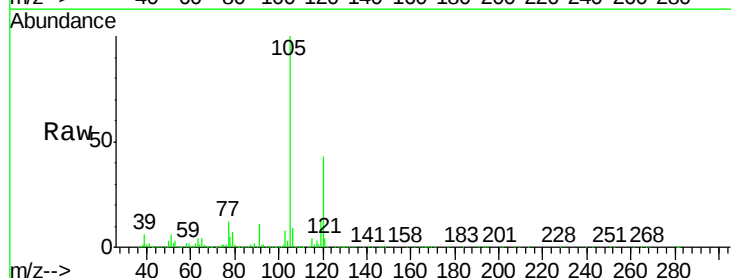
Acq: 23 Jul 2020 11:37

Tgt Ion:105 Resp: 2759898

Ion Ratio Lower Upper

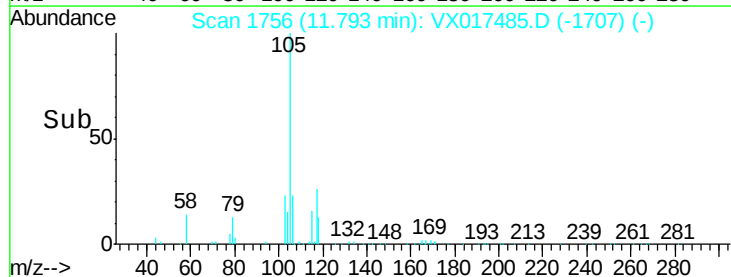
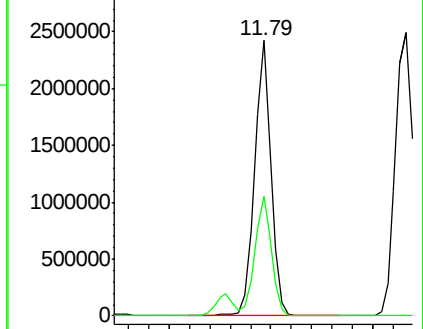
105 100

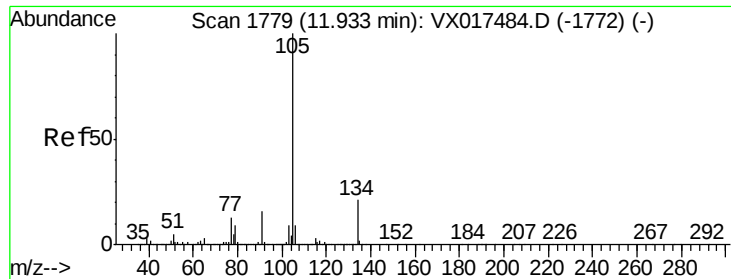
120 44.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 113.409 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 3066950

Ion Ratio Lower Upper

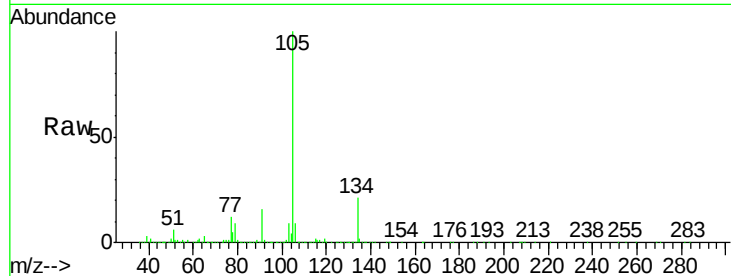
105 100

134 20.7 10.4 31.1

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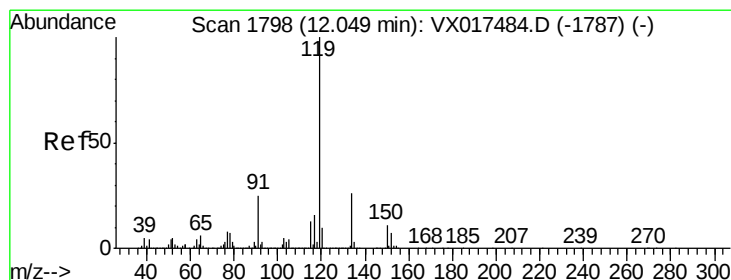
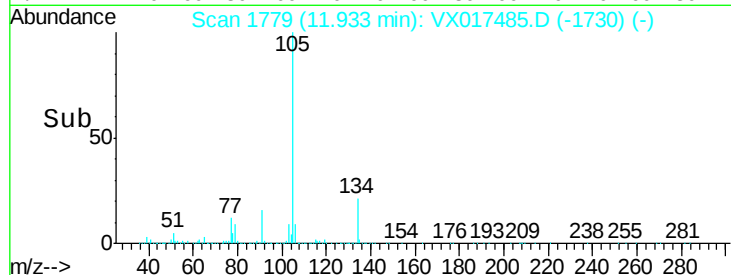
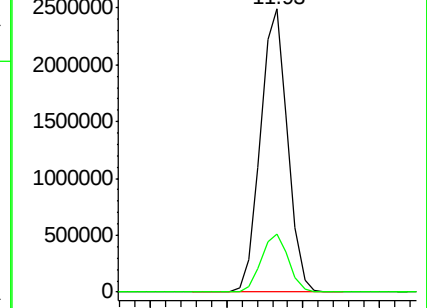
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 111.675 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017485.D

Acq: 23 Jul 2020 11:37

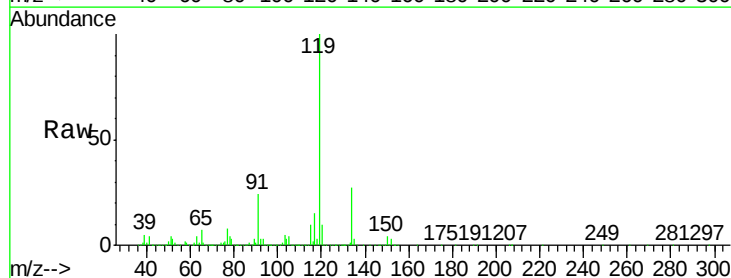
Tgt Ion:119 Resp: 2863707

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

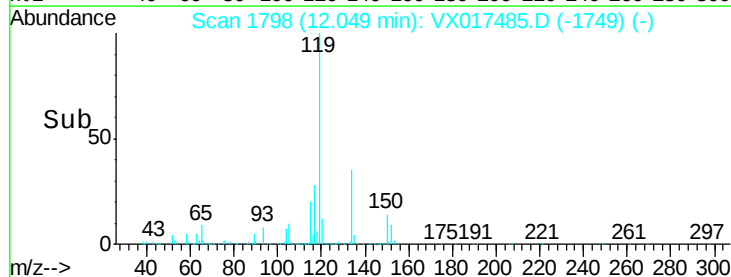
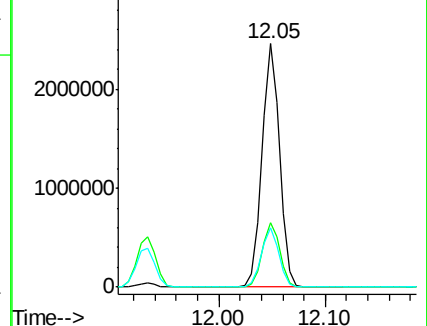
91 24.2 12.3 36.8

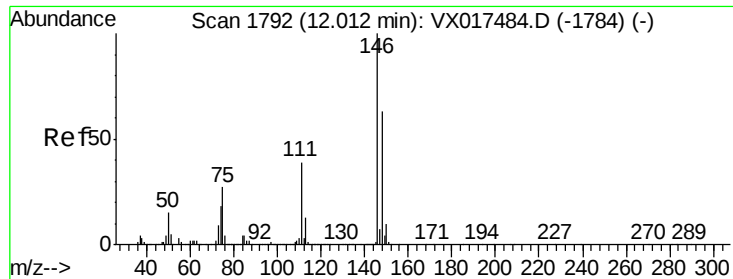


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





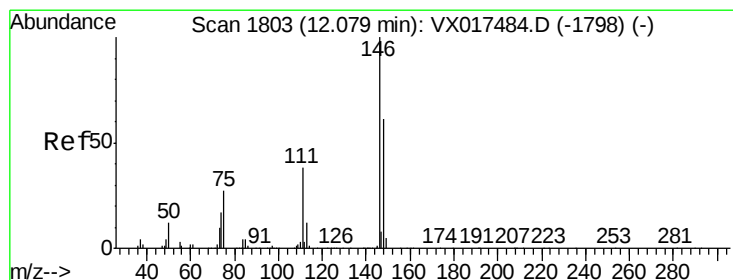
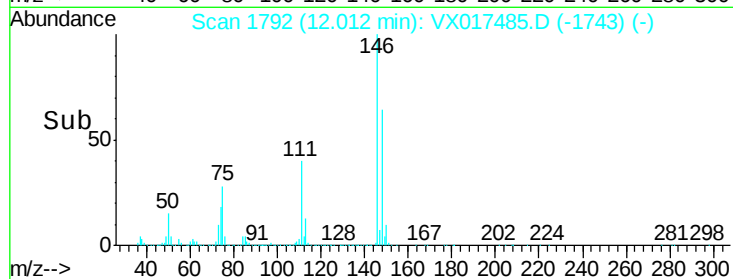
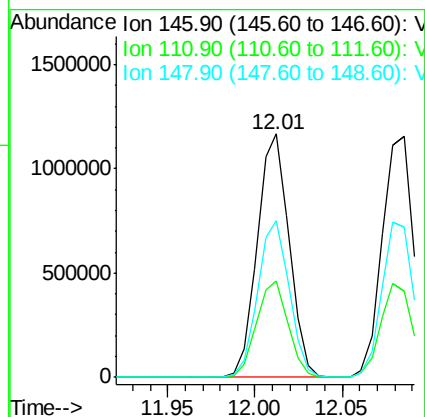
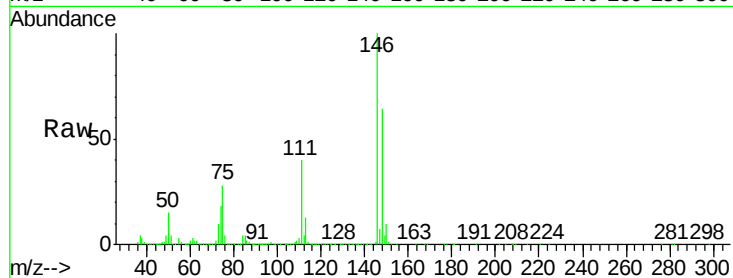
#87
 1,3-Dichlorobenzene
 Concen: 102.903 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1474536
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.8
 148 63.6 31.6 95.0

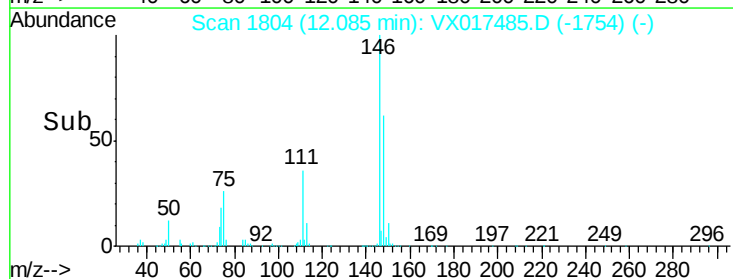
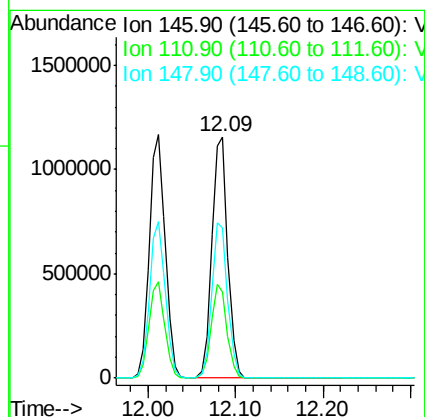
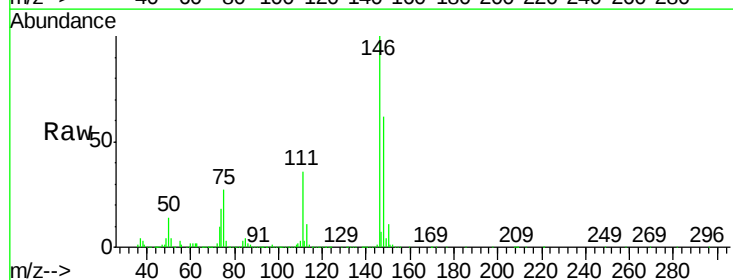
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 100.954 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion:146 Resp: 1463189
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.5
 148 64.2 31.6 95.0





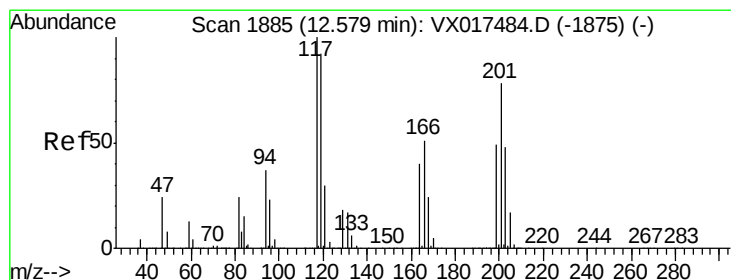
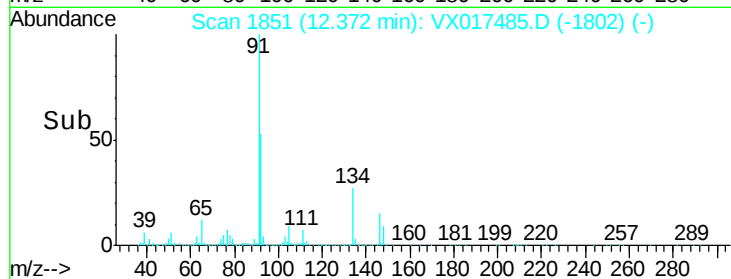
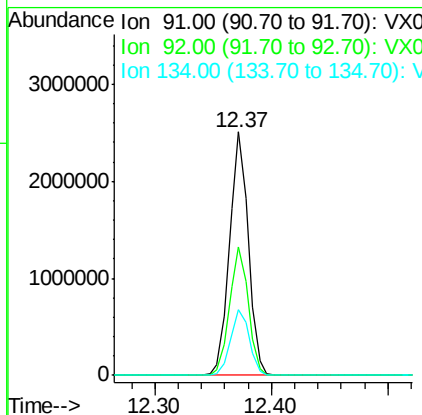
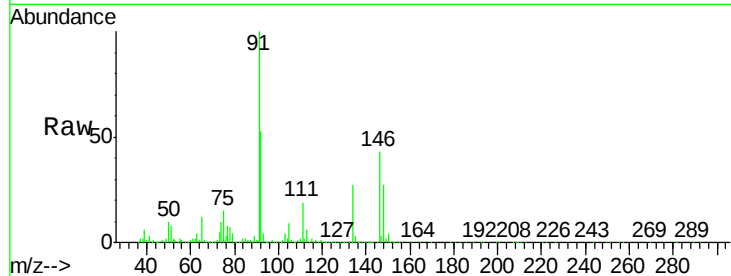
#89
n-Butylbenzene
Concen: 127.222 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2799766
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.0
134 27.2 13.7 41.0

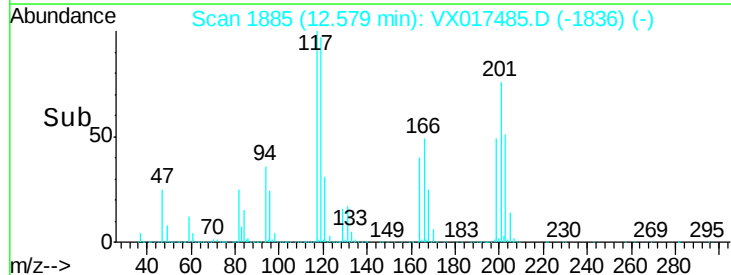
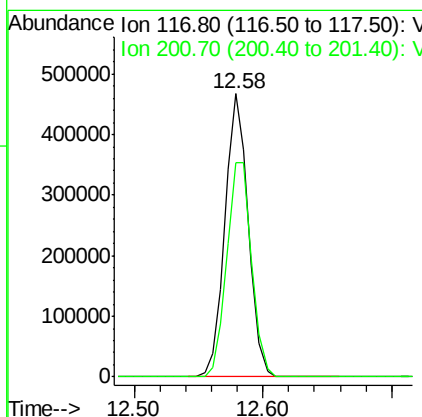
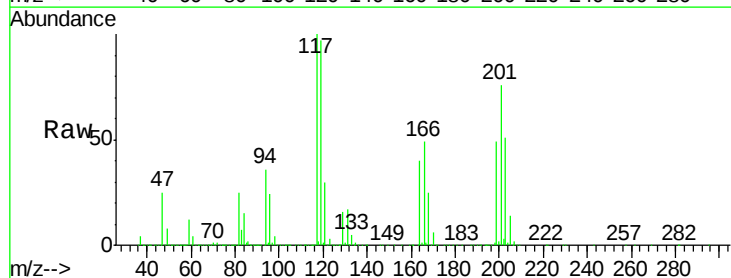
Manual Integrations
APPROVED

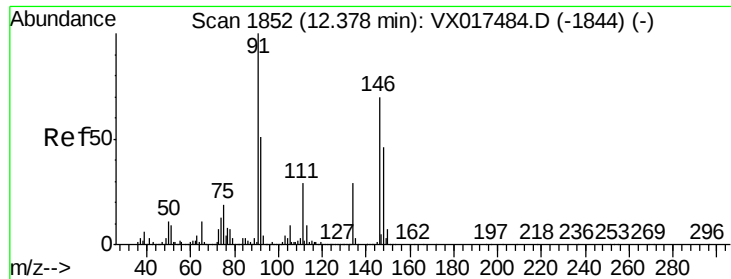
MMDadoda
7/24/2020 1:00:55 PM



#90
Hexachloroethane
Concen: 121.714 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion: 117 Resp: 595530
Ion Ratio Lower Upper
117 100
201 80.7 41.4 124.4





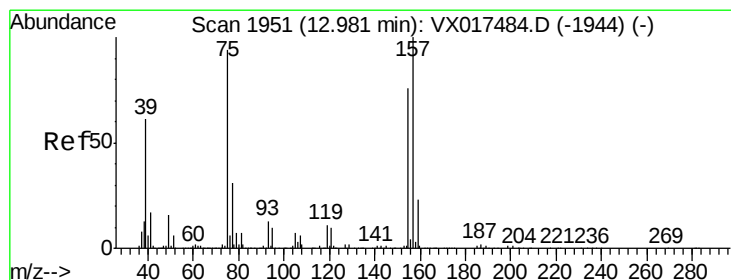
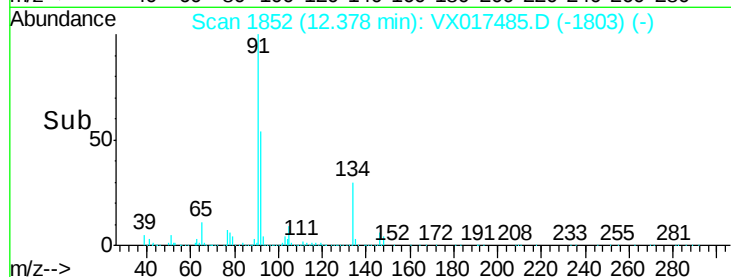
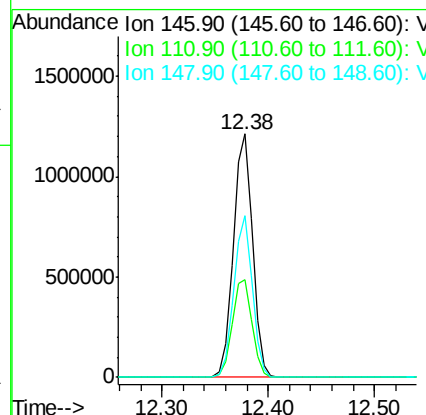
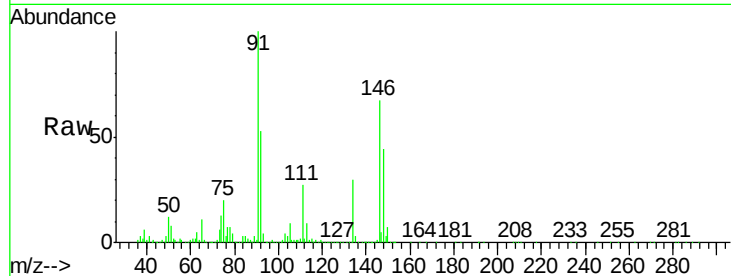
#91
 1,2-Dichlorobenzene
 Concen: 113.263 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	64.6	32.3	96.9

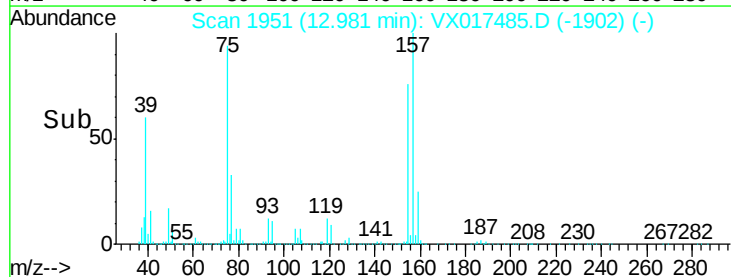
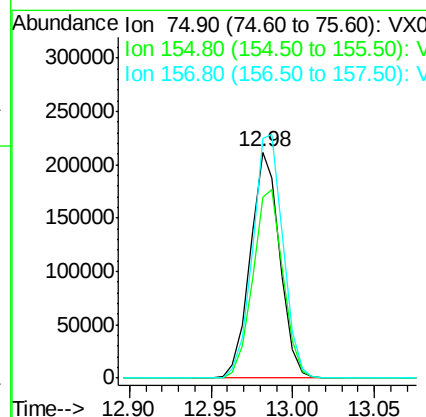
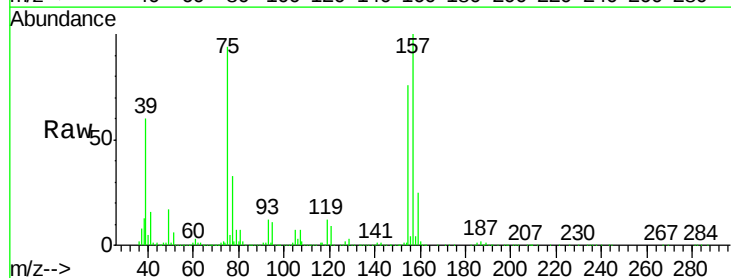
Manual Integrations
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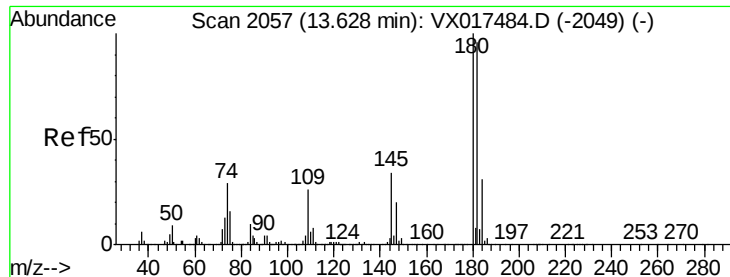
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.547 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	42.3	126.9
157	111.0	55.1	165.5





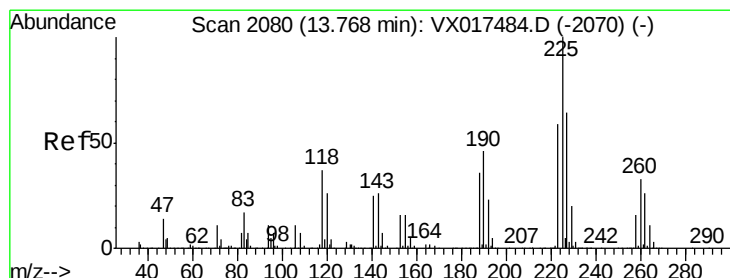
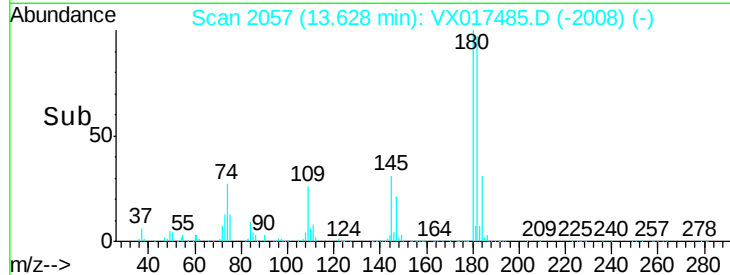
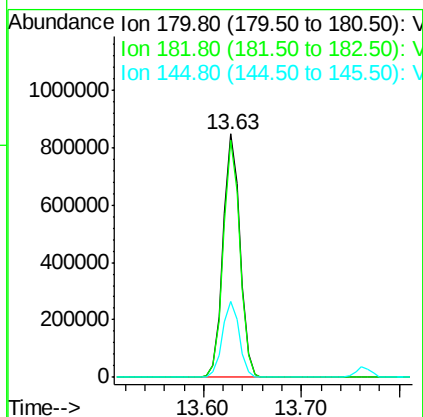
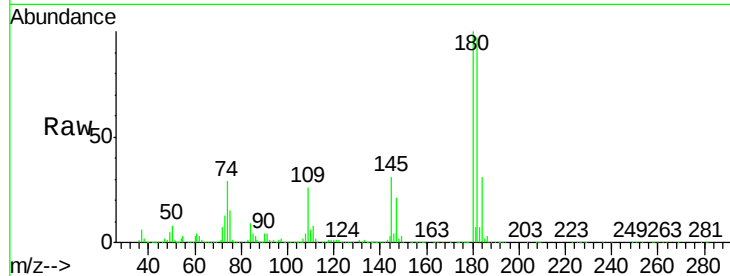
#93
 1,2,4-Trichlorobenzene
 Concen: 107.013 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.6
145	31.3	16.0	47.9

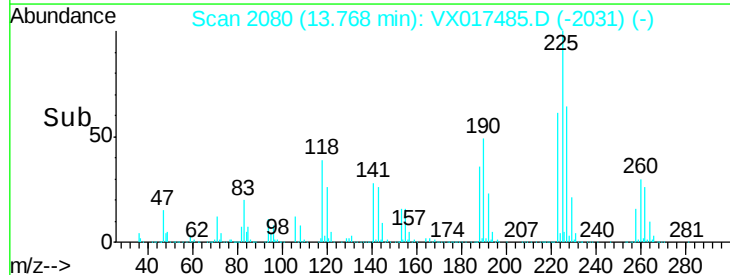
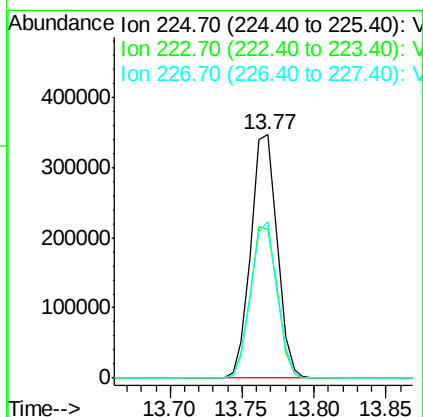
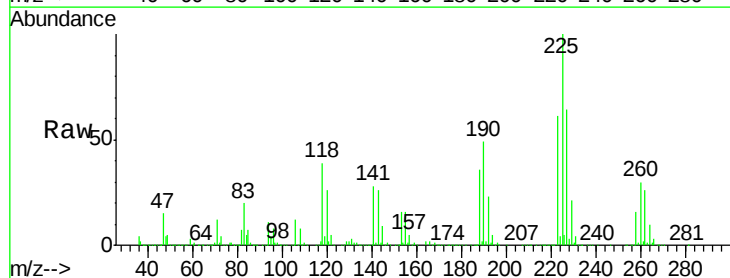
Manual Integrations
 APPROVED

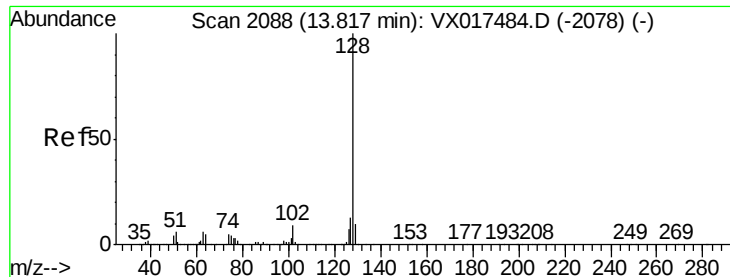
MMDadoda
 7/24/2020 1:00:55 PM



#94
 Hexachlorobutadiene
 Concen: 111.148 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017485.D
 Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.2
227	63.6	32.2	96.6





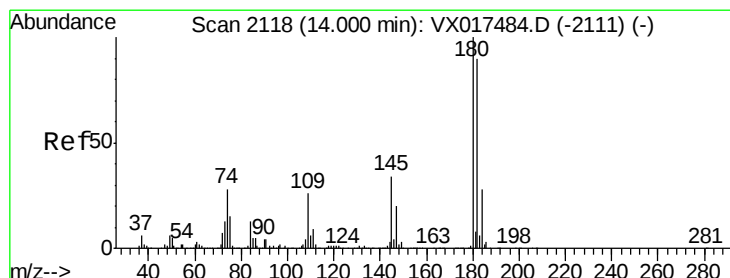
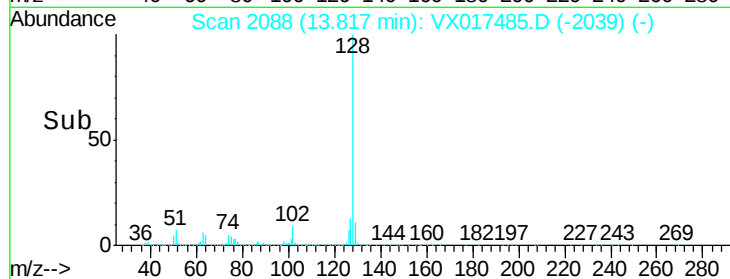
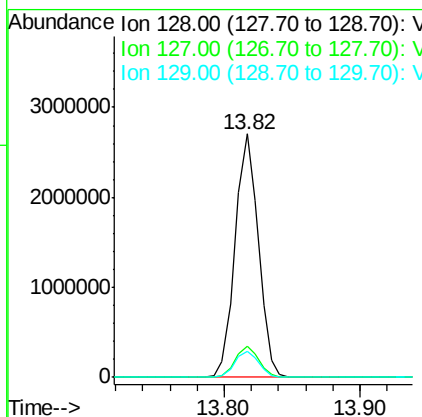
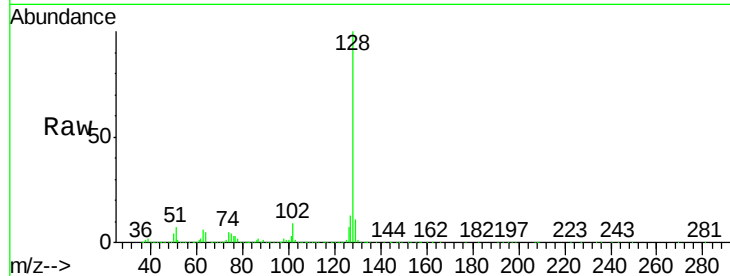
#95
Naphthalene
Concen: 114.990 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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7/24/2020 1:00:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 109.051 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017485.D
Acq: 23 Jul 2020 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	45.7	137.1
145	32.9	16.4	49.2

