

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071720\
 Data File : VX017411.D
 Acq On : 17 Jul 2020 11:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/20/2020 11:50:12 AM

Quant Time: Jul 18 07:17:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	342759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	485662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	261921	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	202401	47.05	ug/l	0.00
Spiked Amount						
			Recovery	=	94.10%	
35) Dibromofluoromethane	5.46	113	169571	49.15	ug/l	-0.01
Spiked Amount						
			Recovery	=	98.30%	
50) Toluene-d8	8.70	98	612924	49.25	ug/l	0.00
Spiked Amount						
			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.12	95	239358	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	160296	55.268	ug/l	99
3) Chloromethane	1.31	50	169962	52.052	ug/l	96
4) Vinyl Chloride	1.39	62	169858	52.584	ug/l	99
5) Bromomethane	1.62	94	105337	50.093	ug/l	99
6) Chloroethane	1.71	64	104438	51.222	ug/l	95
7) Trichlorofluoromethane	1.92	101	270150	49.551	ug/l	97
8) Diethyl Ether	2.17	74	94131	48.844	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	151368	48.738	ug/l	97
10) Methyl Iodide	2.49	142	202262	49.179	ug/l	100
11) Tert butyl alcohol	3.01	59	161643	223.019	ug/l	99
12) 1,1-Dichloroethene	2.36	96	143042	45.858	ug/l	99
13) Acrolein	2.27	56	35060	88.242	ug/l	98
14) Allyl chloride	2.70	41	286942	53.090	ug/l	96
15) Acrylonitrile	3.11	53	442613	251.911	ug/l	100
16) Acetone	2.42	43	344292	224.333	ug/l	96
17) Carbon Disulfide	2.55	76	462798	50.861	ug/l	99
18) Methyl Acetate	2.75	43	197071	51.988	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	536821	50.685	ug/l	100
20) Methylene Chloride	2.83	84	186101	49.699	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	180322	50.527	ug/l	97
22) Diisopropyl ether	3.82	45	568216	55.191	ug/l	90
23) Vinyl Acetate	3.78	43	2464228	272.156	ug/l	99
24) 1,1-Dichloroethane	3.67	63	311863	51.543	ug/l	99
25) 2-Butanone	4.63	43	589090	241.666	ug/l	98
26) 2,2-Dichloropropane	4.55	77	280679	49.845	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	194841	49.786	ug/l	99
28) Bromochloromethane	4.98	49	158530	56.717	ug/l	93
29) Tetrahydrofuran	5.09	42	389955	247.133	ug/l	97
30) Chloroform	5.17	83	327779	50.352	ug/l	98
31) Cyclohexane	5.54	56	265195	53.539	ug/l	95
32) 1,1,1-Trichloroethane	5.46	97	294426	48.924	ug/l	98
36) 1,1-Dichloropropene	5.76	75	242202	51.411	ug/l	99
37) Ethyl Acetate	4.79	43	236098	48.459	ug/l	99
38) Carbon Tetrachloride	5.75	117	270218	48.989	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	271007	52.972	ug/l	97
40) Benzene	6.11	78	696190	51.420	ug/l	97
41) Methacrylonitrile	5.00	41	131715	50.358	ug/l	98
42) 1,2-Dichloroethane	6.16	62	259493	49.330	ug/l	100
43) Isopropyl Acetate	6.41	43	386573	49.655	ug/l	99
44) Trichloroethene	7.18	130	196232	47.449	ug/l	95
45) 1,2-Dichloropropane	7.49	63	184896	53.371	ug/l	99
46) Dibromomethane	7.63	93	127234	50.924	ug/l	94
47) Bromodichloromethane	7.87	83	264639	50.662	ug/l	96
48) Methyl methacrylate	7.74	41	193936	51.911	ug/l	99
49) 1,4-Dioxane	7.71	88	73960	967.397	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1224966	258.050	ug/l	98
52) Toluene	8.76	92	448257	51.592	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	286756	50.957	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	309462	51.559	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	185219	51.123	ug/l	100
56) Ethyl methacrylate	9.16	69	266050	51.723	ug/l	99
57) 1,3-Dichloropropane	9.35	76	308414	51.175	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	727730	278.640	ug/l	98
59) 2-Hexanone	9.47	43	909193	253.764	ug/l	98
60) Dibromochloromethane	9.56	129	214521	48.467	ug/l	100
61) 1,2-Dibromoethane	9.65	107	196618	49.887	ug/l	99
64) Tetrachloroethene	9.32	164	192090	45.697	ug/l	98
65) Chlorobenzene	10.12	112	492530	49.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	193210	49.169	ug/l	98
67) Ethyl Benzene	10.23	91	854073	51.981	ug/l	99
68) m/p-Xylenes	10.34	106	677583	108.388	ug/l	96
69) o-Xylene	10.68	106	307670	51.506	ug/l	100
70) Styrene	10.70	104	558821	54.499	ug/l	98
71) Bromoform	10.84	173	157316	47.444	ug/l #	98
73) Isopropylbenzene	11.00	105	848763	51.694	ug/l	99
74) N-amyl acetate	10.88	43	351389	53.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	259689	52.092	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	249223m	51.494	ug/l	
77) Bromobenzene	11.24	156	220559	47.165	ug/l	93
78) n-propylbenzene	11.34	91	1002483	54.365	ug/l	99
79) 2-Chlorotoluene	11.40	91	590902	52.000	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	735826	52.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	95495	50.053	ug/l	98
82) 4-Chlorotoluene	11.49	91	713753	53.000	ug/l	99
83) tert-Butylbenzene	11.76	119	706331	52.426	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	742274	52.716	ug/l	100
85) sec-Butylbenzene	11.93	105	844817	53.559	ug/l	99
86) p-Isopropyltoluene	12.05	119	785832	52.652	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	412420	49.299	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	414619	49.057	ug/l	99
89) n-Butylbenzene	12.37	91	684886	53.807	ug/l	100
90) Hexachloroethane	12.58	117	148382	52.368	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	383568	48.791	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55880	42.481	ug/l	97

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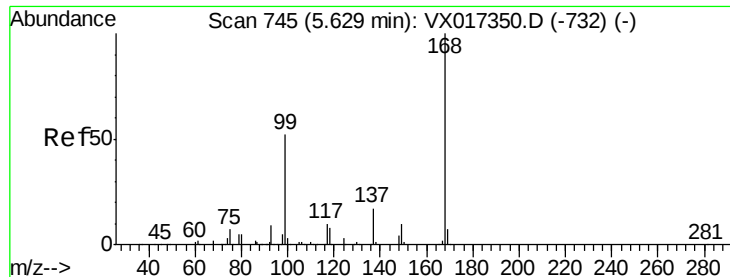
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	260392	47.716	ug/l	98
94) Hexachlorobutadiene	13.77	225	101542	45.627	ug/l	96
95) Naphthalene	13.82	128	809049	50.423	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	253399	48.070	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 342759

Ion Ratio Lower Upper

168 100

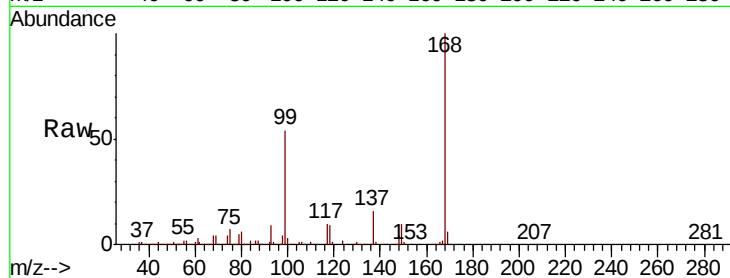
99 53.5 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

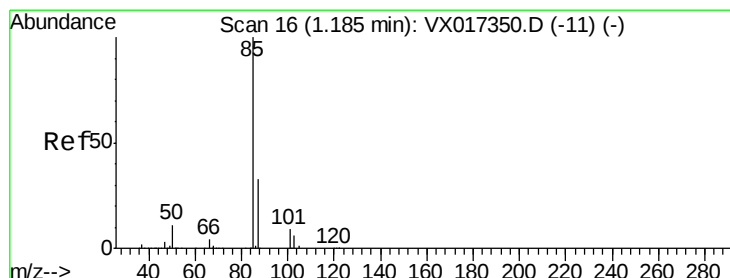
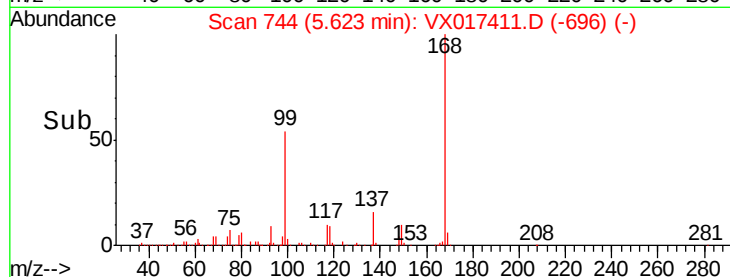
5.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.268 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017411.D

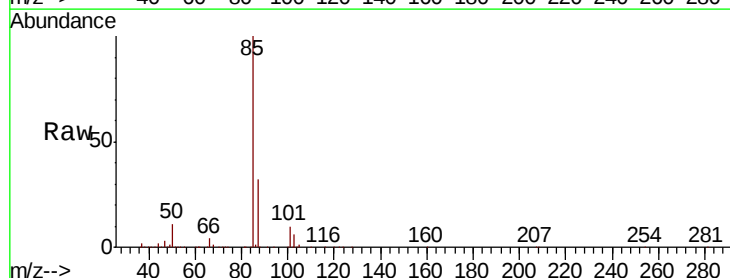
Acq: 17 Jul 2020 11:06

Tgt Ion: 85 Resp: 160296

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

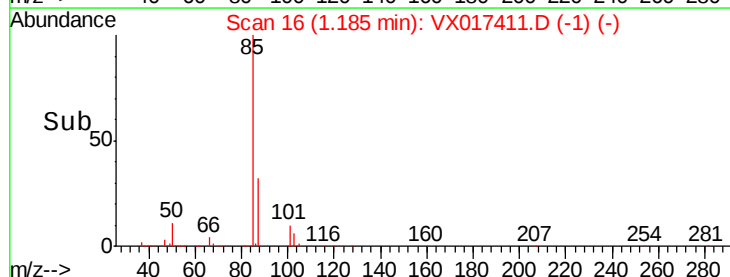
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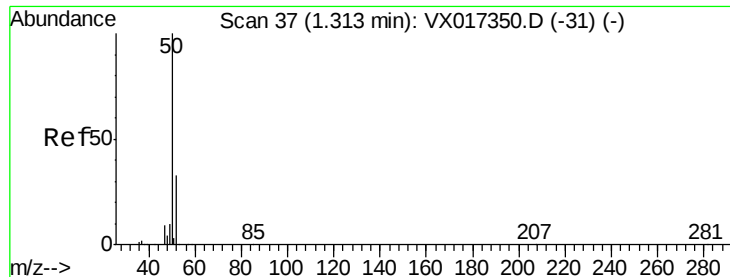
100000

50000

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Time-->





#3

Chloromethane

Concen: 52.052 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 169962

Ion Ratio Lower Upper

50 100

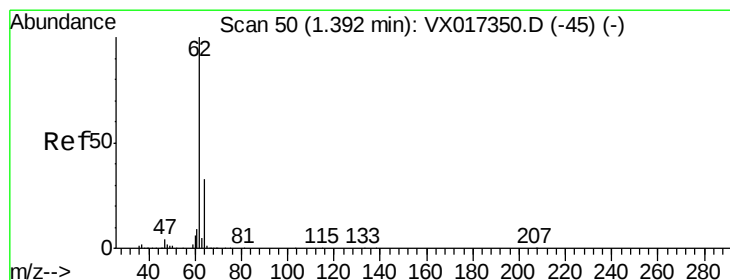
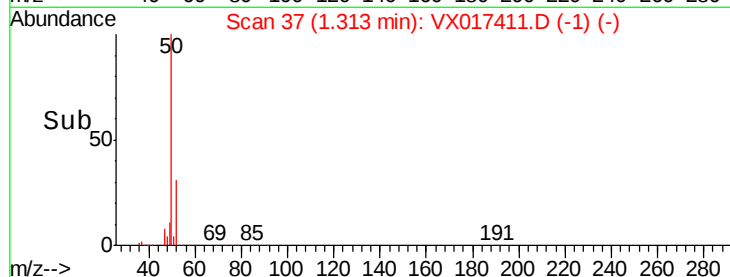
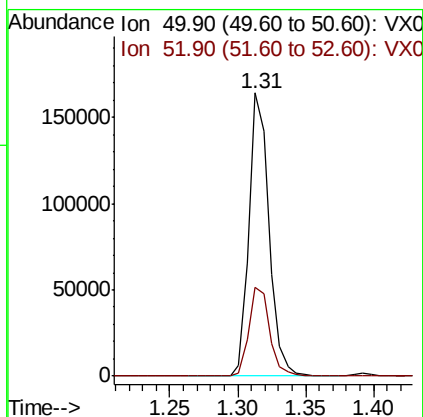
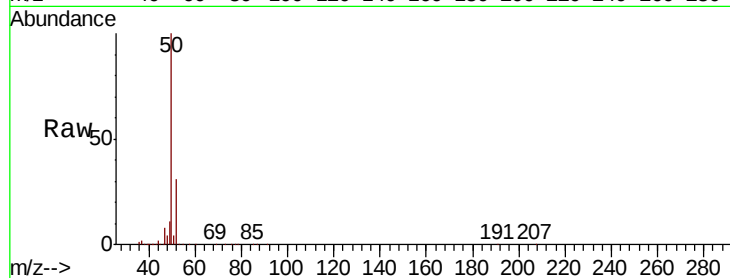
52 31.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.584 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017411.D

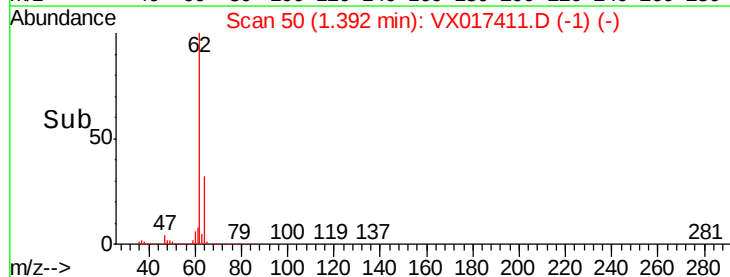
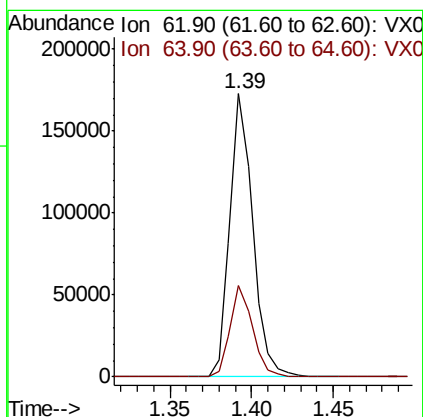
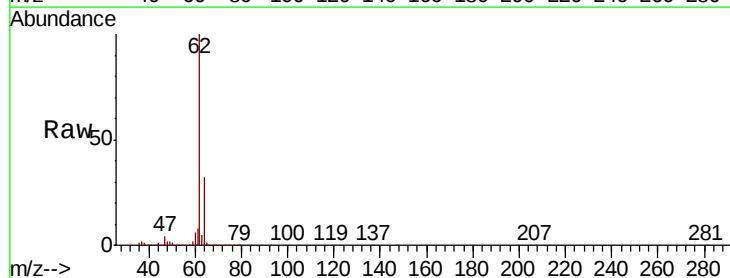
Acq: 17 Jul 2020 11:06

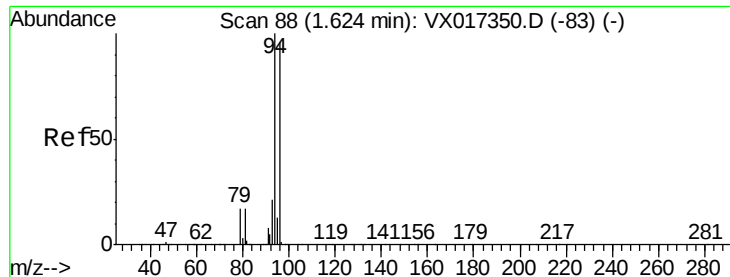
Tgt Ion: 62 Resp: 169858

Ion Ratio Lower Upper

62 100

64 32.1 26.3 39.5





#5

Bromomethane

Concen: 50.093 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 105337

Ion Ratio Lower Upper

94 100

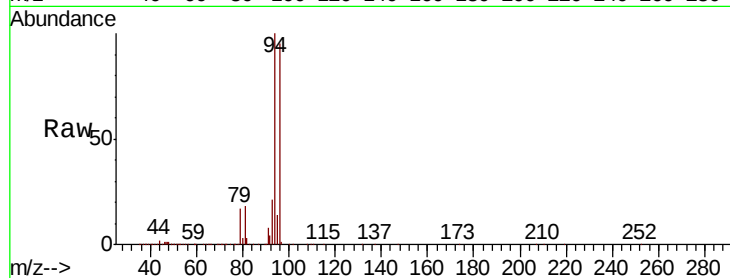
96 94.7 76.6 115.0

Manual Integrations

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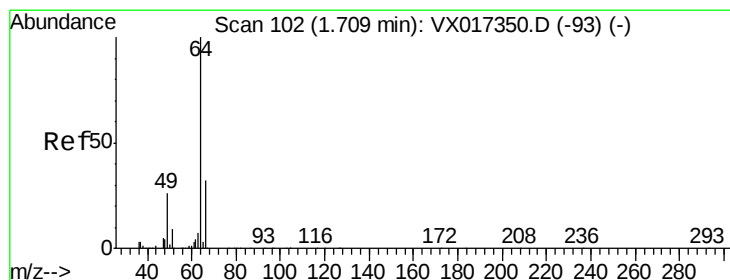
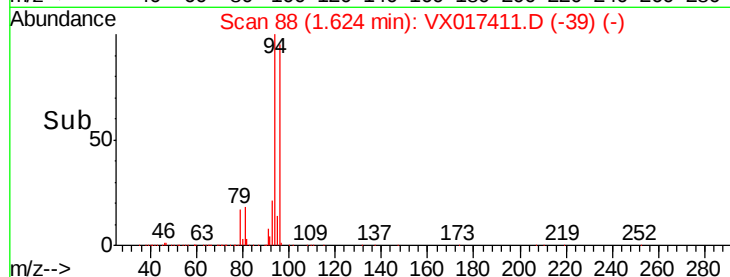
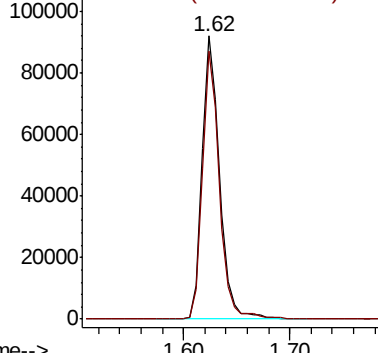
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.222 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017411.D

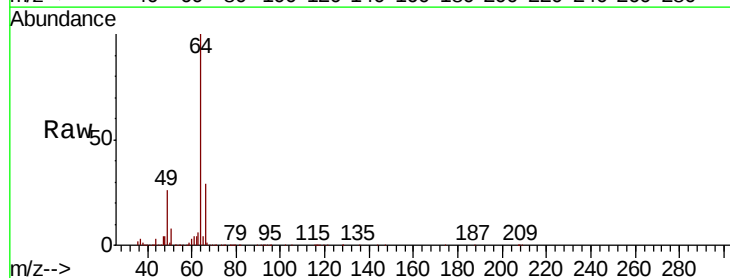
Acq: 17 Jul 2020 11:06

Tgt Ion: 64 Resp: 104438

Ion Ratio Lower Upper

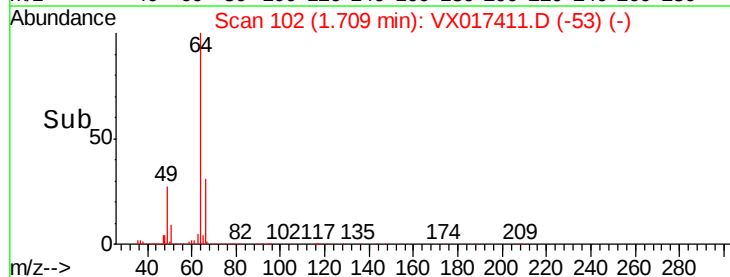
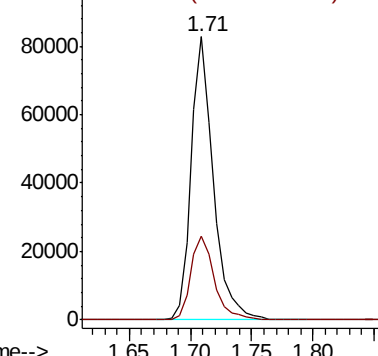
64 100

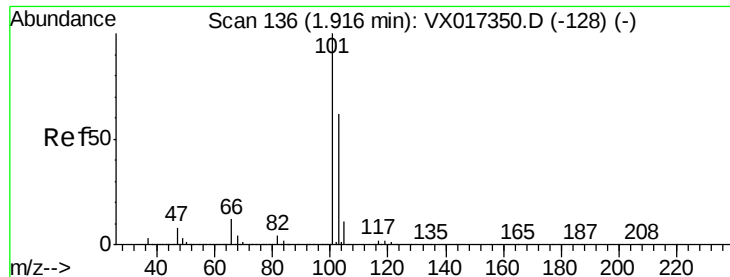
66 29.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

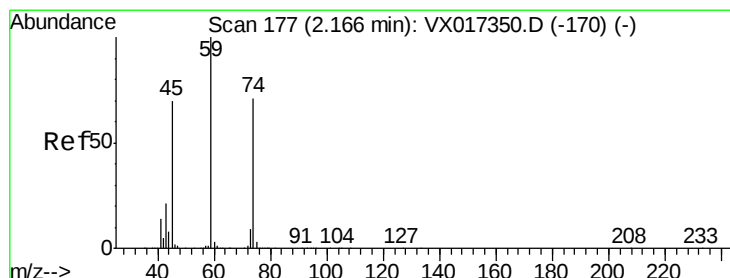
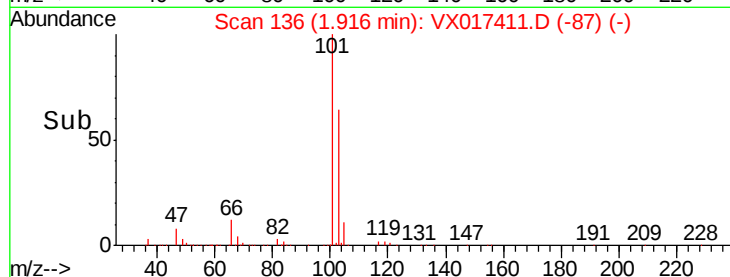
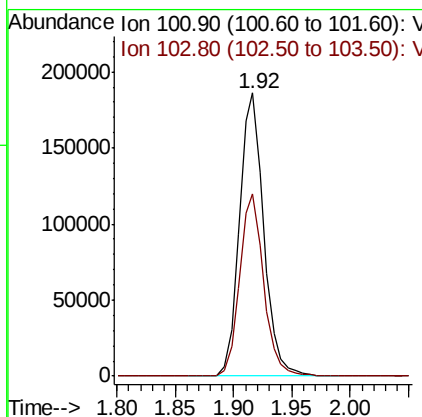
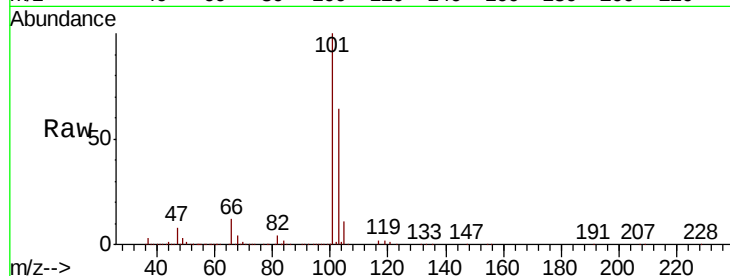
Trichlorofluoromethane
Concen: 49.551 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.6	74.4

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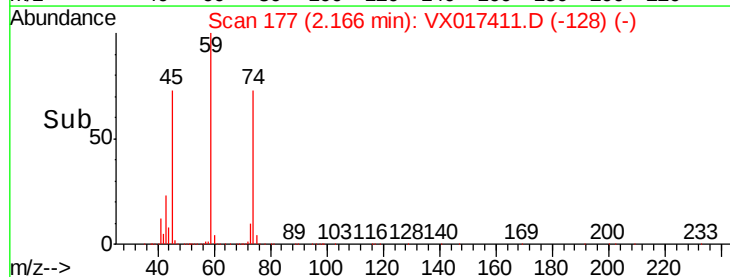
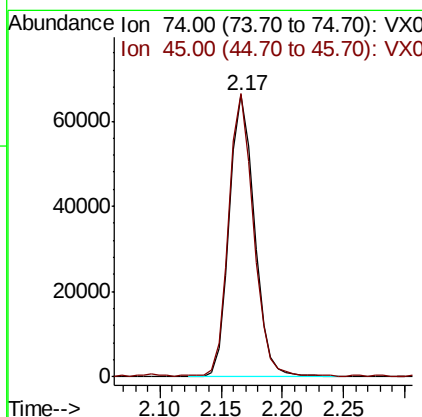
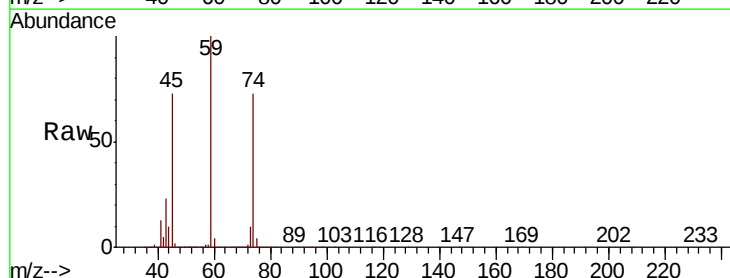
MMDadoda
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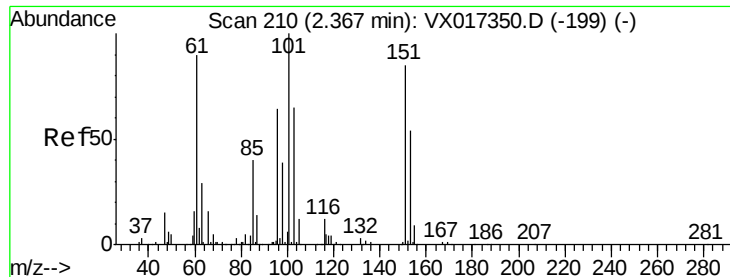


#8

Diethyl Ether
Concen: 48.844 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.738 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

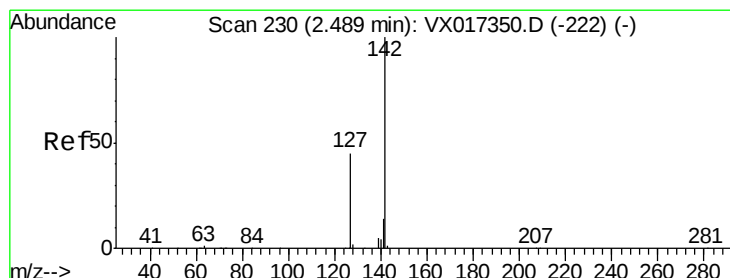
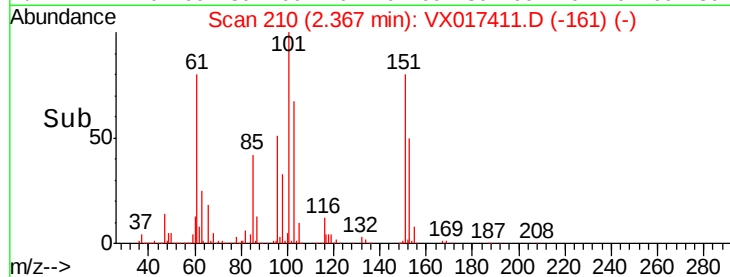
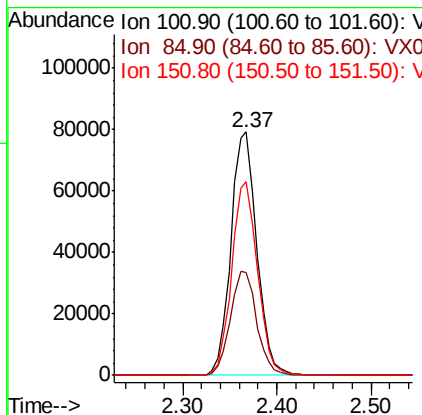
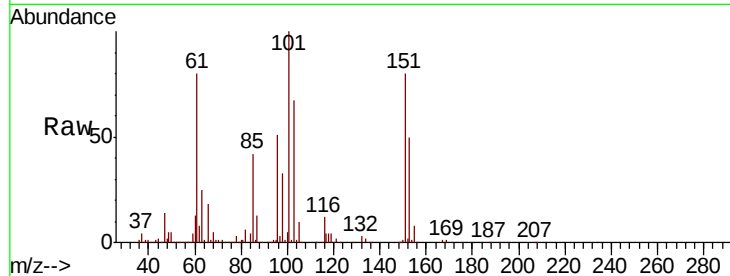
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	151368
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.7	50.5
151	79.5	66.4	99.6

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#10

Methyl Iodide

Concen: 49.179 ug/l

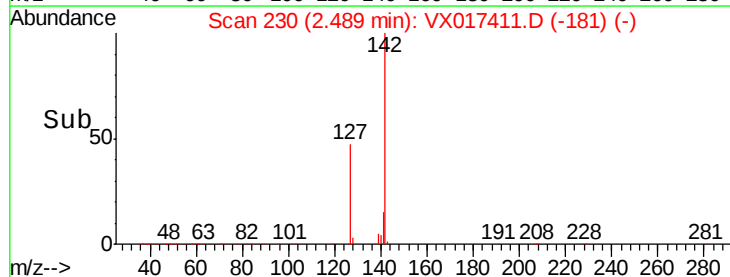
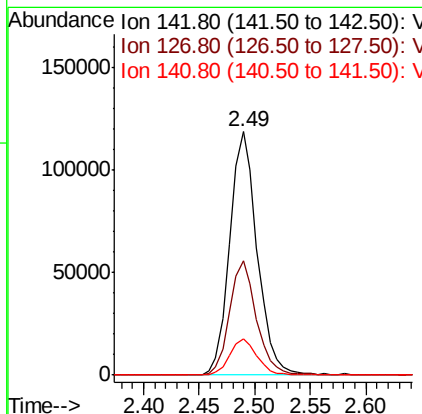
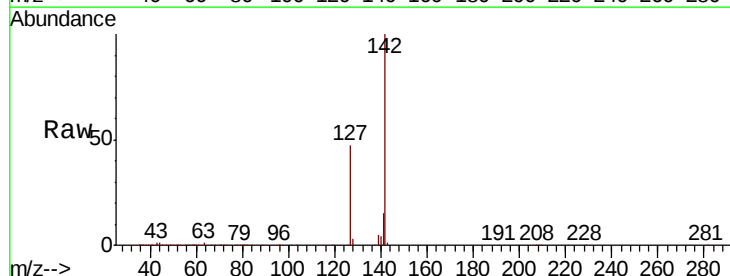
RT: 2.49 min Scan# 230

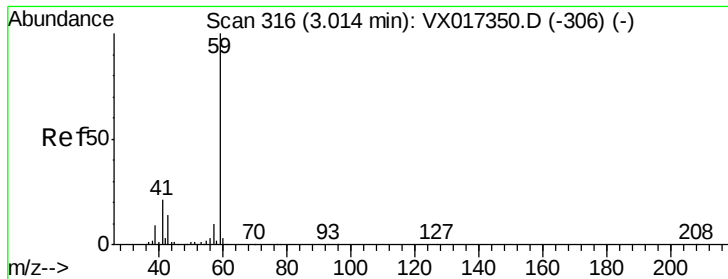
Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion:	142	Resp:	202262
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.8	55.2
141	14.8	11.4	17.0





#11

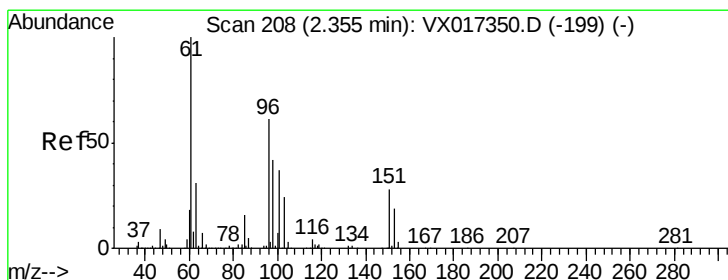
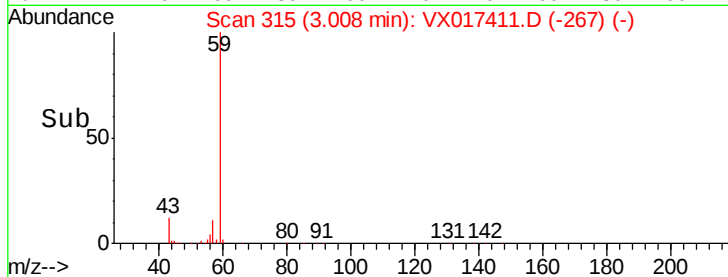
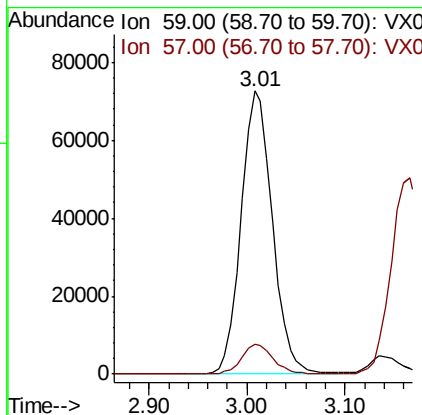
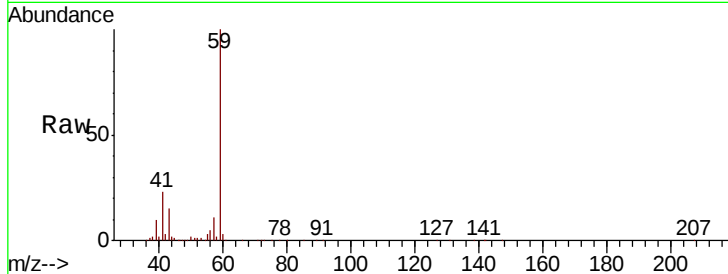
Tert butyl alcohol
Concen: 223.019 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

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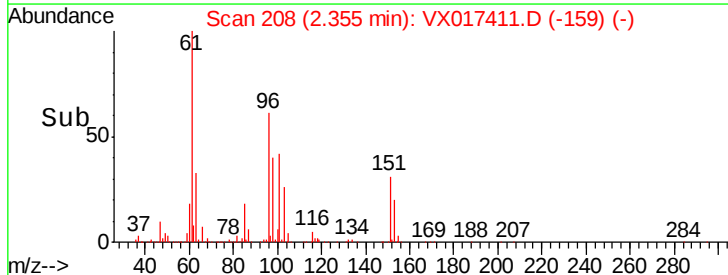
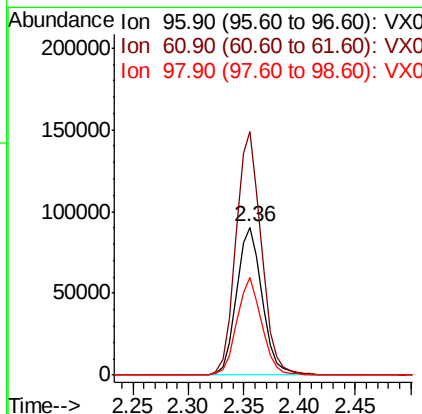
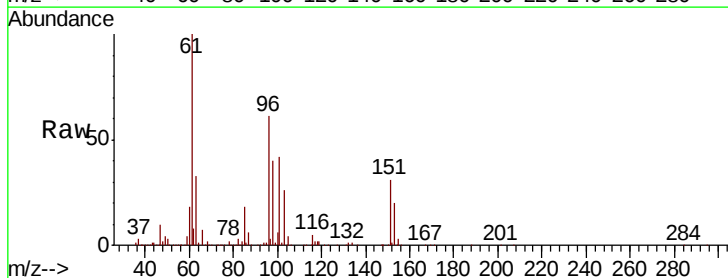
MMDadoda
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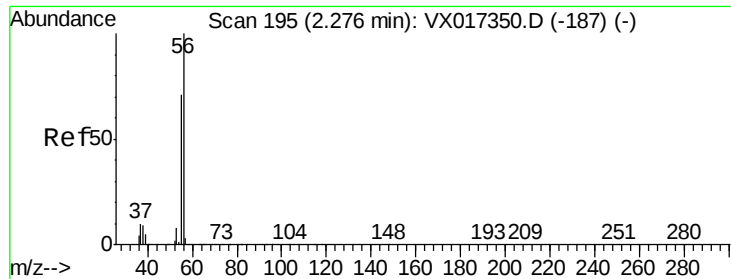


#12

1,1-Dichloroethene
Concen: 45.858 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	131.5	197.3
98	66.2	55.1	82.7





#13

Acrolein

Concen: 88.242 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35060

Ion Ratio Lower Upper

56 100

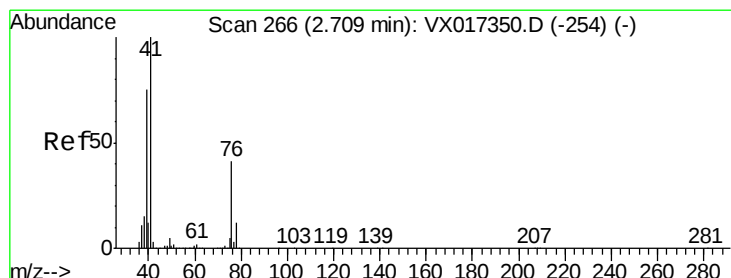
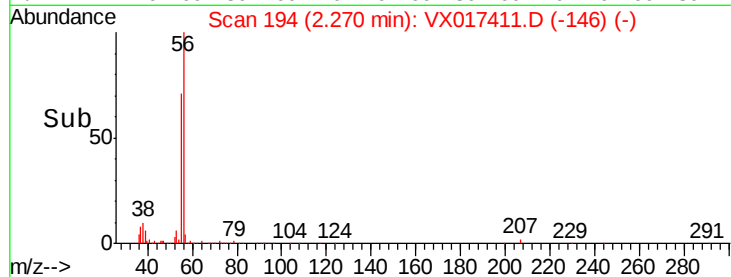
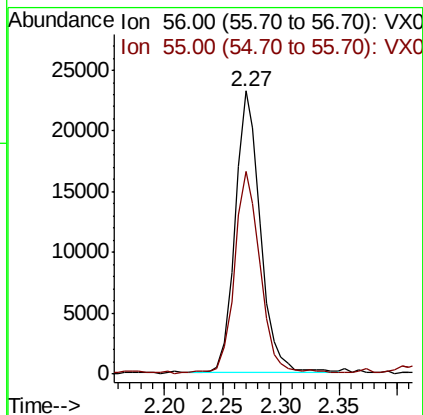
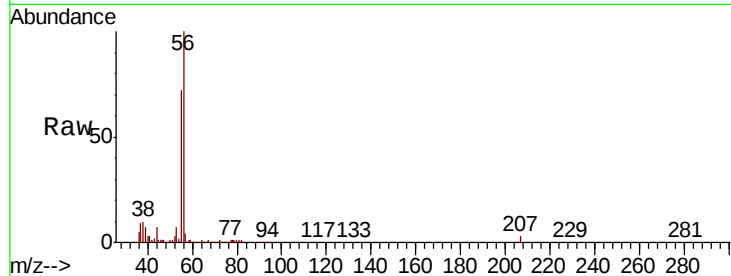
55 73.3 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 53.090 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

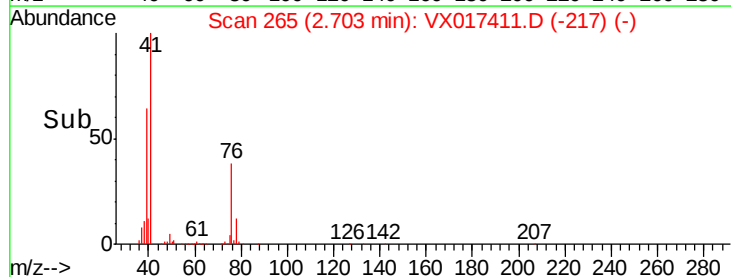
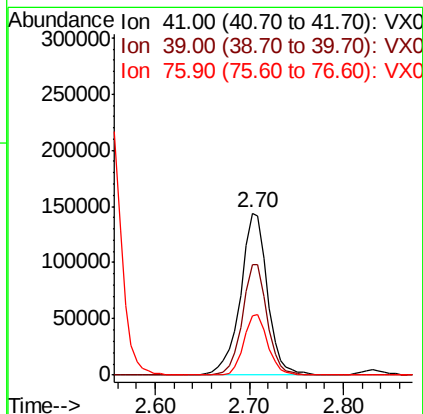
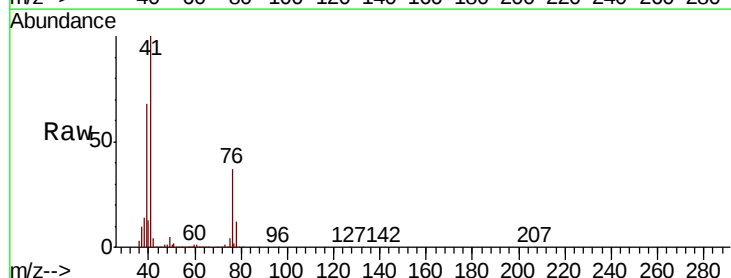
Tgt Ion: 41 Resp: 286942

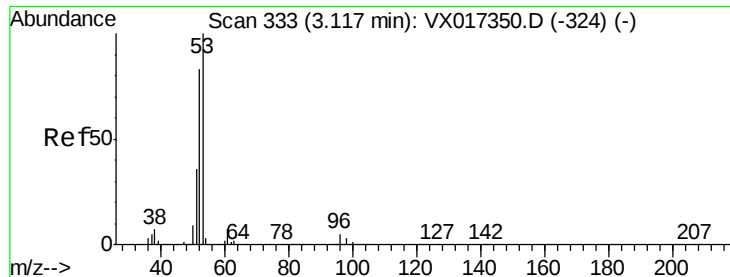
Ion Ratio Lower Upper

41 100

39 63.0 53.0 79.4

76 33.2 28.2 42.2





#15

Acrylonitrile

Concen: 251.911 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

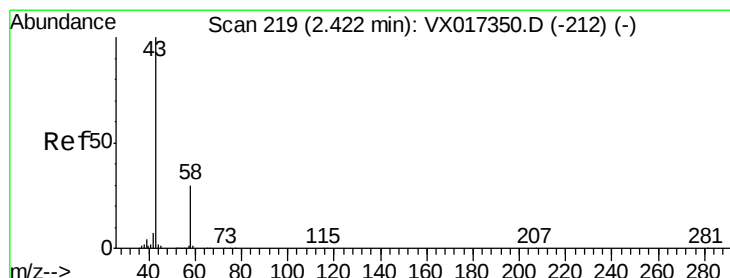
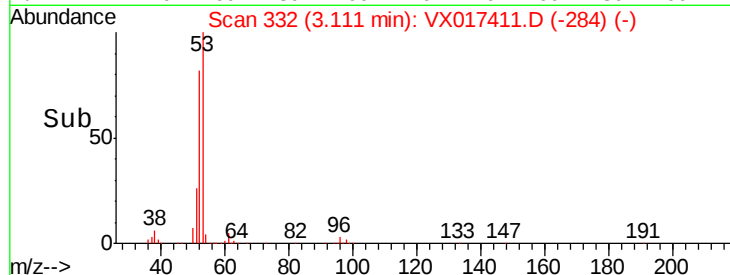
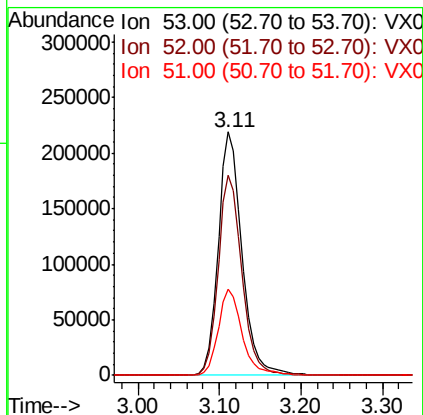
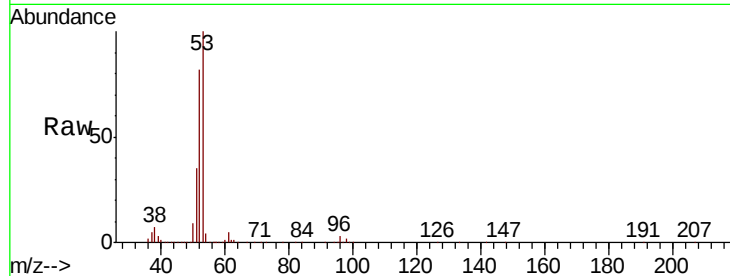
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	442613
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.8	98.6
51	36.0	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 224.333 ug/l

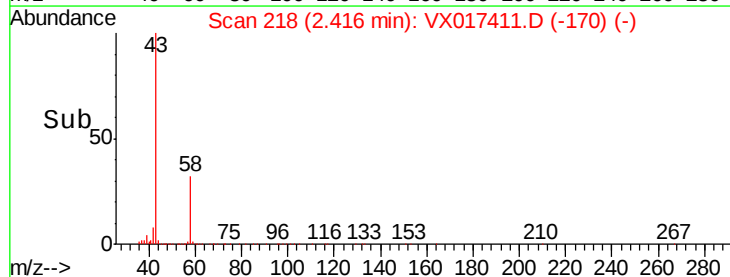
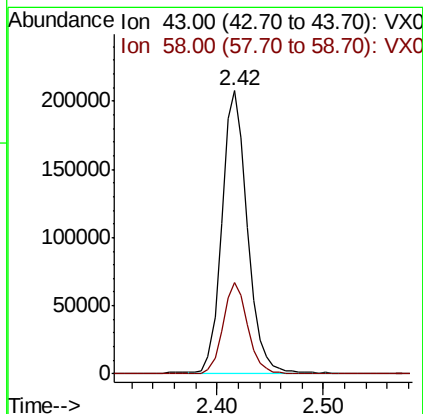
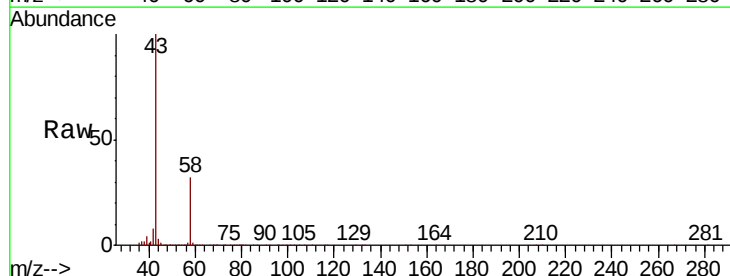
RT: 2.42 min Scan# 218

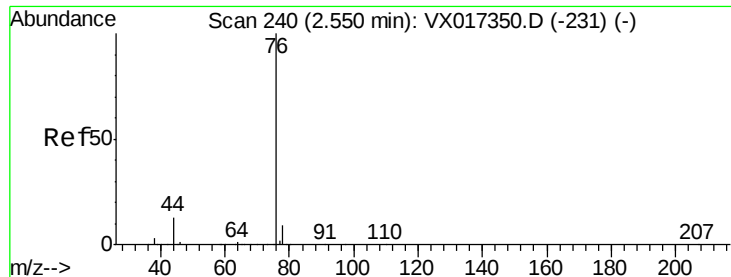
Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion:	43	Resp:	344292
Ion Ratio	Lower	Upper	
43	100		
58	32.2	24.2	36.2





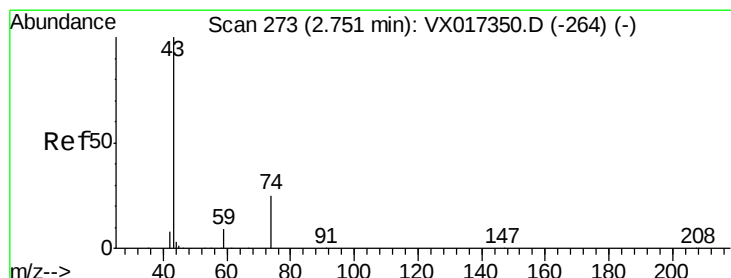
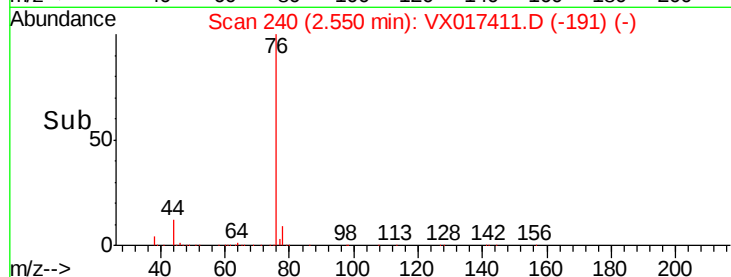
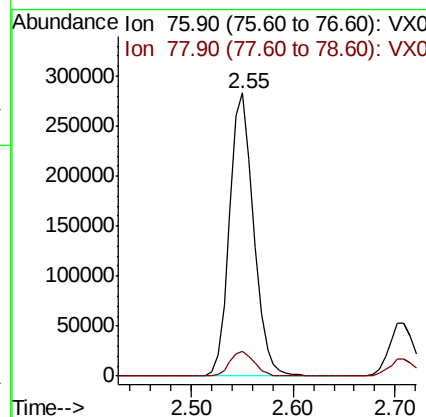
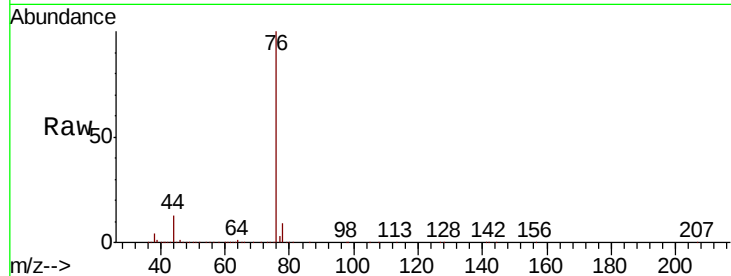
#17
Carbon Disulfide
Concen: 50.861 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

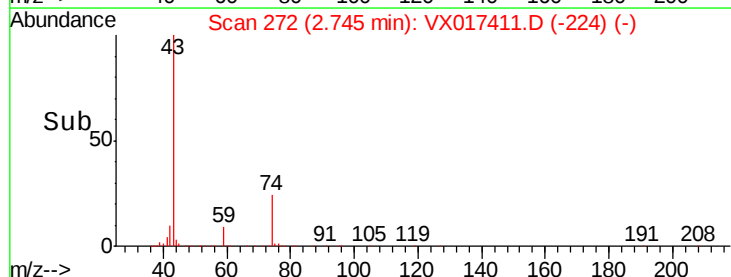
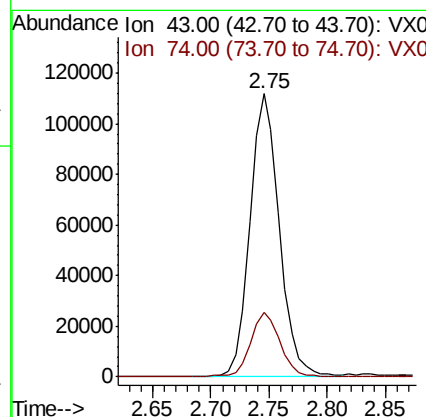
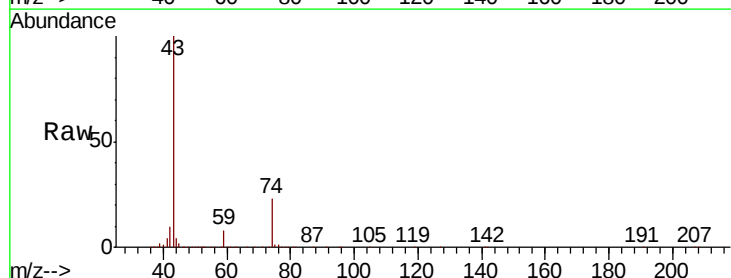
Manual Integrations
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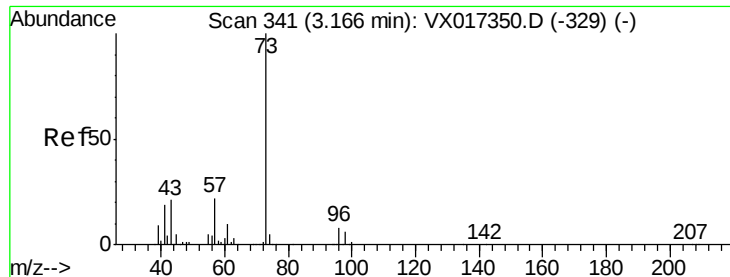
MMDadoda
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#18
Methyl Acetate
Concen: 51.988 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





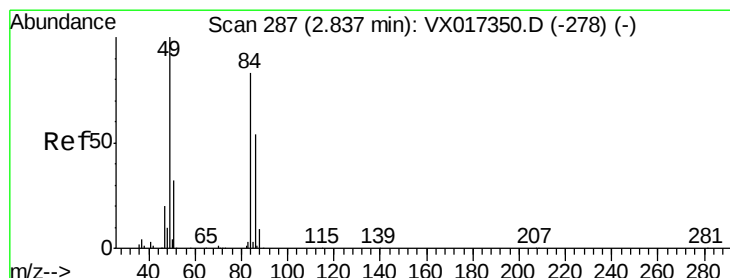
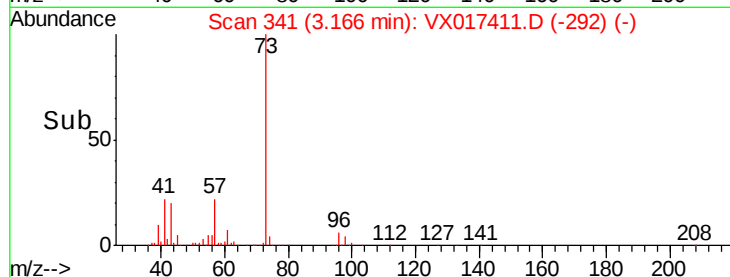
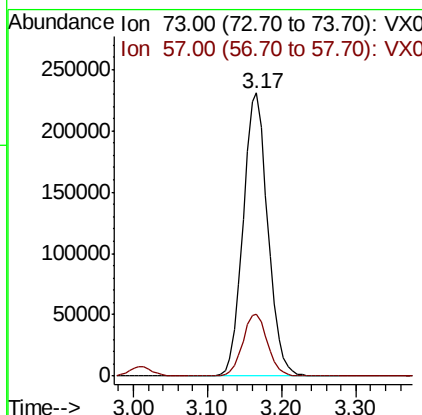
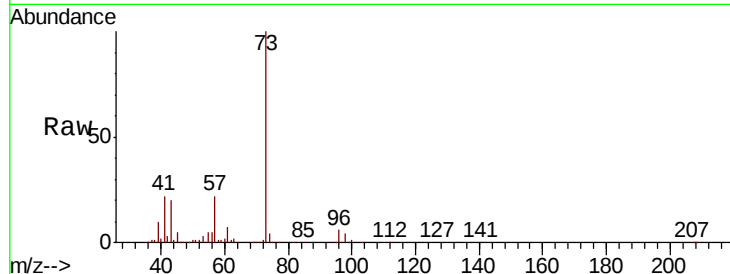
#19
Methvl tert-butvl Ether
Concen: 50.685 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3

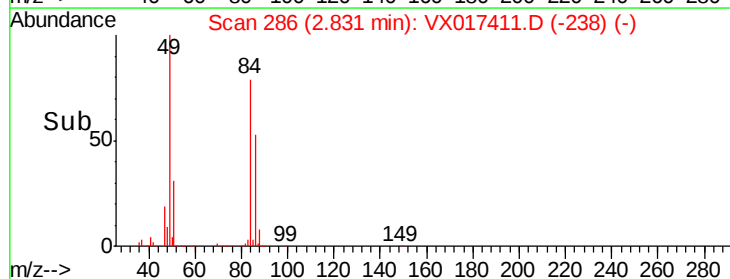
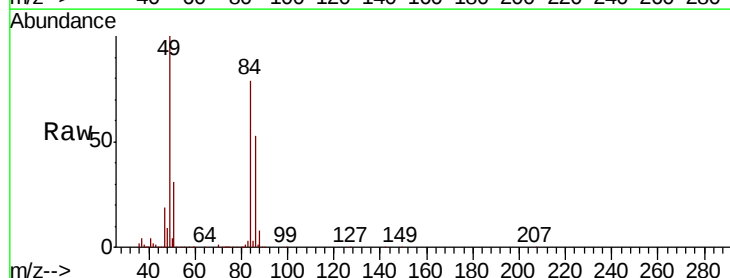
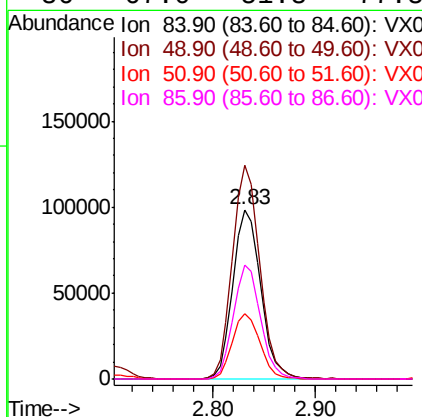
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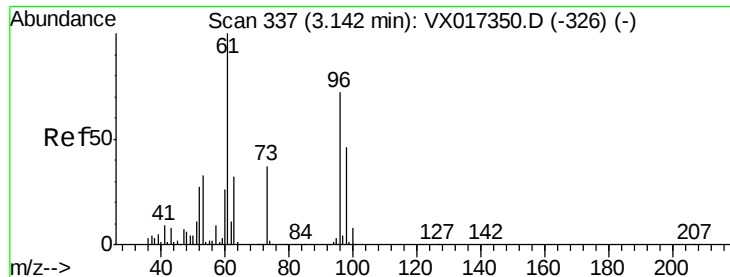
MMDadoda
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#20
Methylene Chloride
Concen: 49.699 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	95.8	143.8
51	38.7	31.0	46.4
86	67.0	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 50.527 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

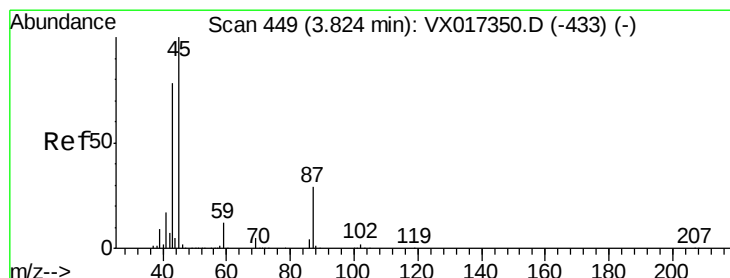
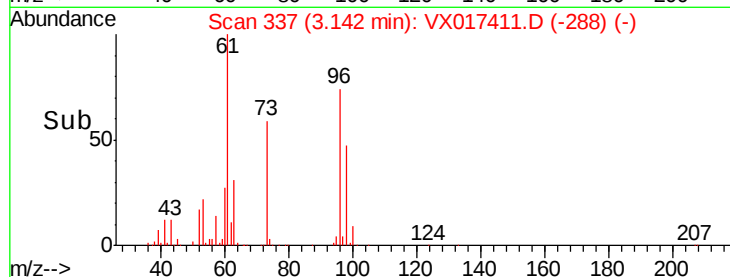
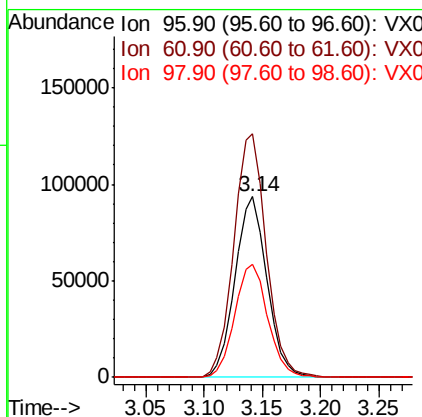
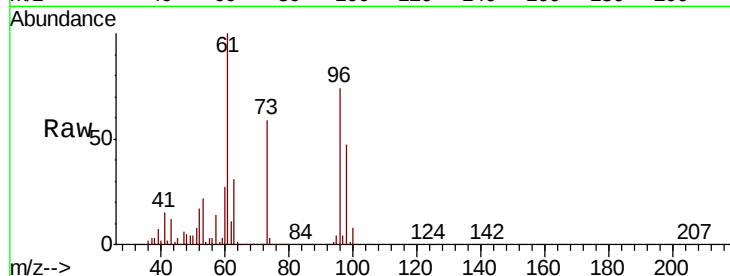
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	180322
Ion	Ratio	Lower	Upper
96	100		
61	134.9	111.1	166.7
98	63.0	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.191 ug/l

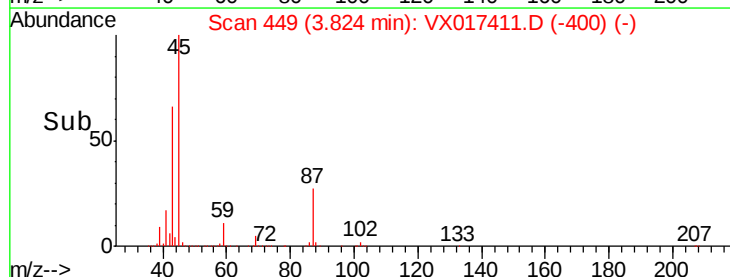
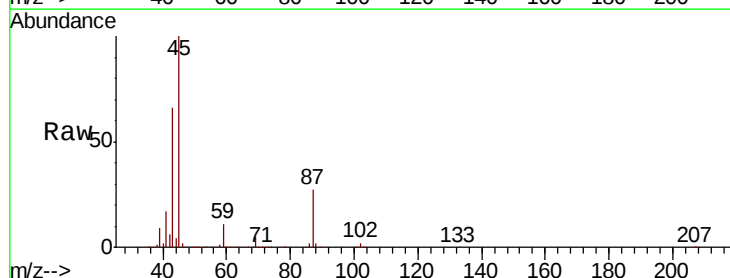
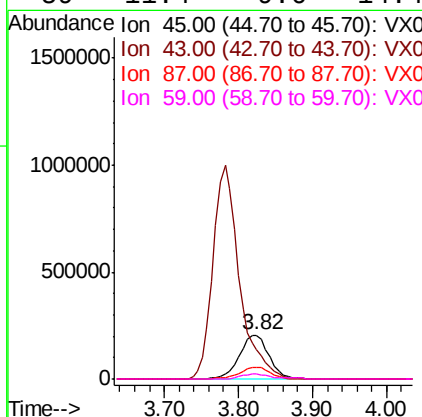
RT: 3.82 min Scan# 449

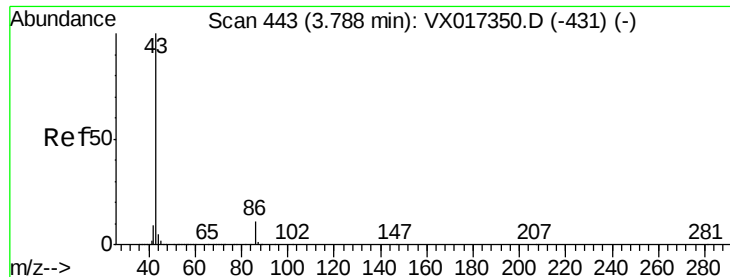
Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion:	45	Resp:	568216
Ion	Ratio	Lower	Upper
45	100		
43	65.2	62.2	93.2
87	27.4	23.0	34.6
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 272.156 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2464228

Ion Ratio Lower Upper

43 100

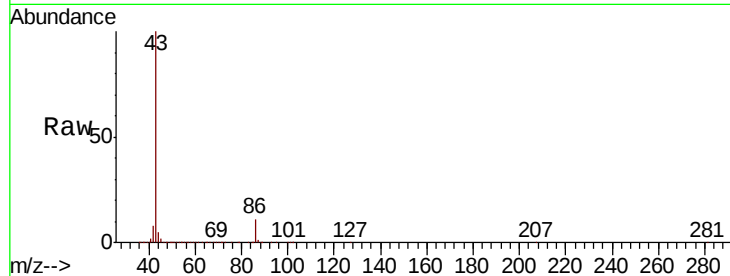
86 10.8 9.0 13.4

Manual Integrations

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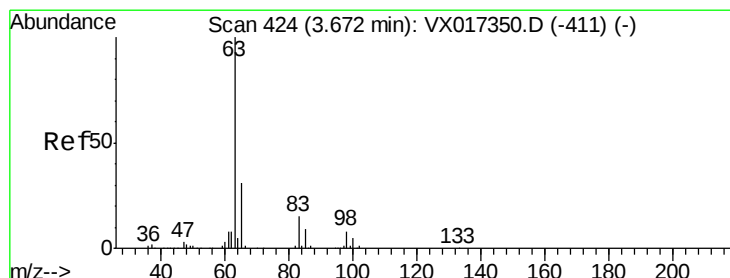
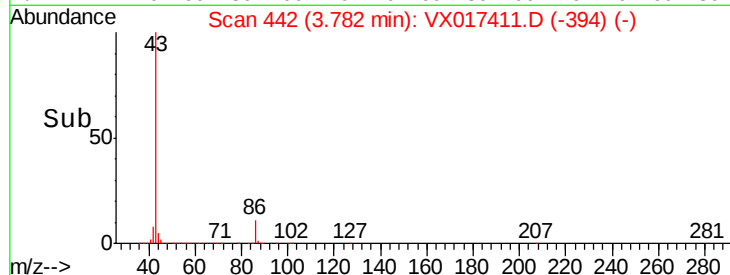
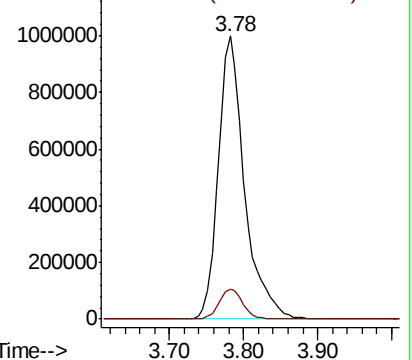
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.543 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

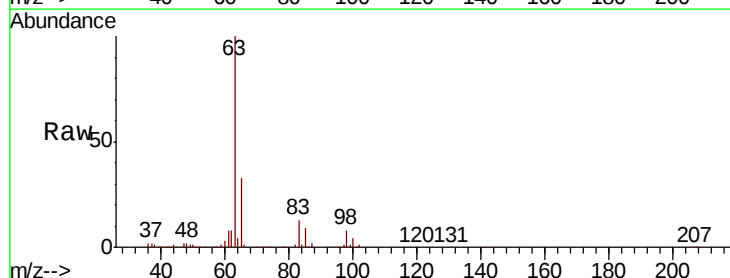
Tgt Ion: 63 Resp: 311863

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

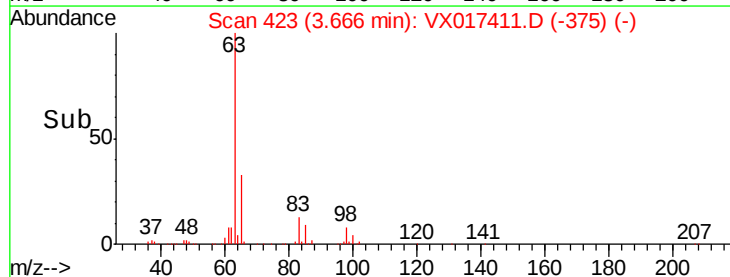
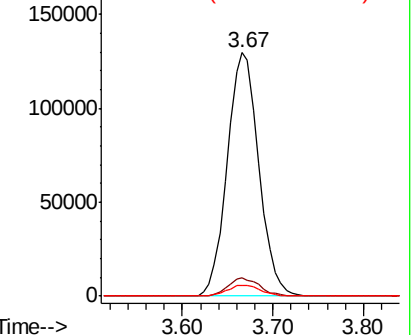
100 4.3 2.5 7.5

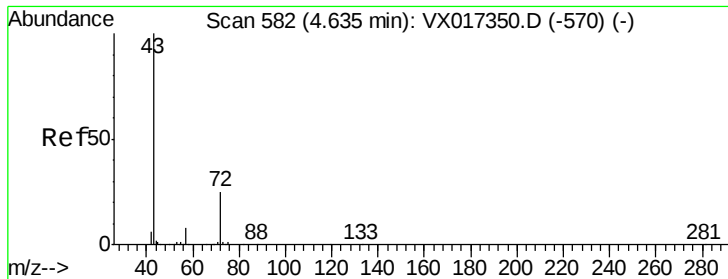


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 241.666 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 589090

Ion Ratio Lower Upper

43 100

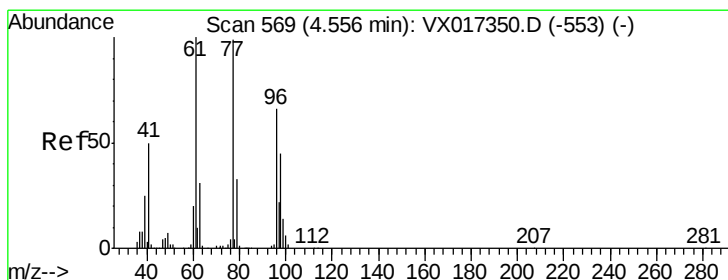
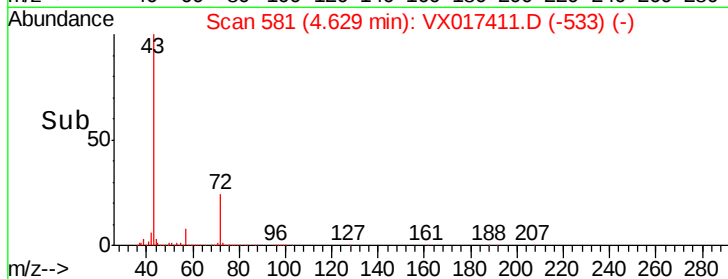
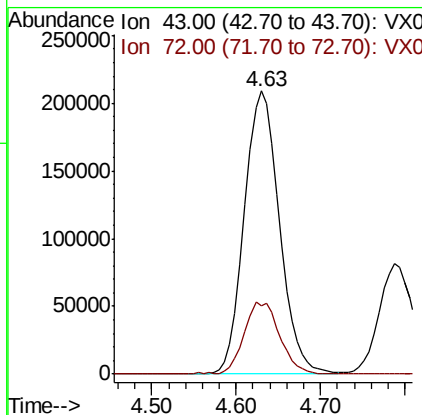
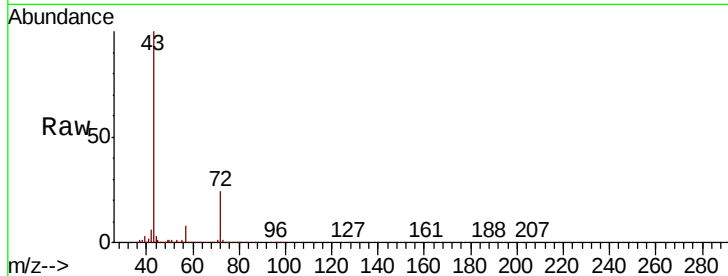
72 24.3 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.845 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017411.D

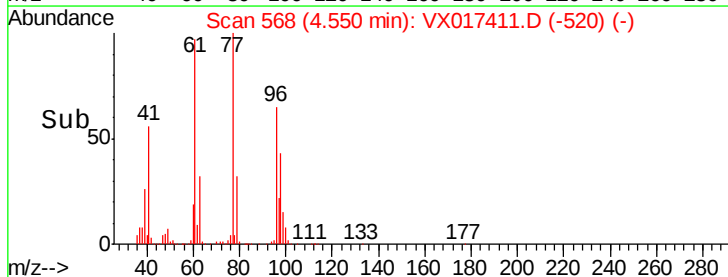
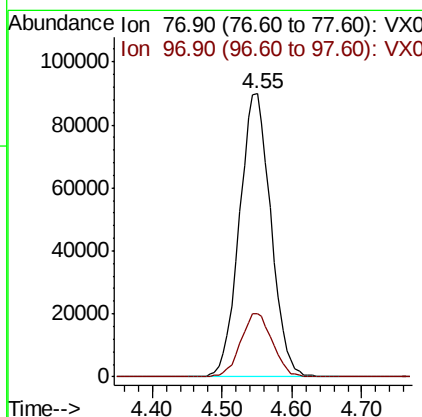
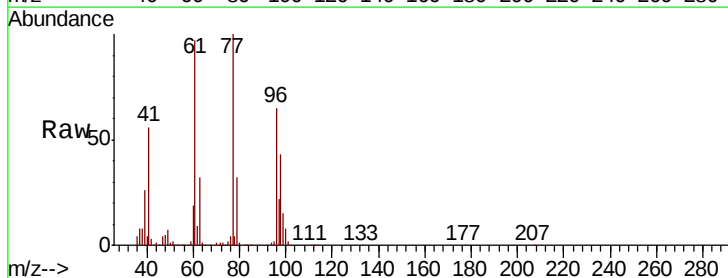
Acq: 17 Jul 2020 11:06

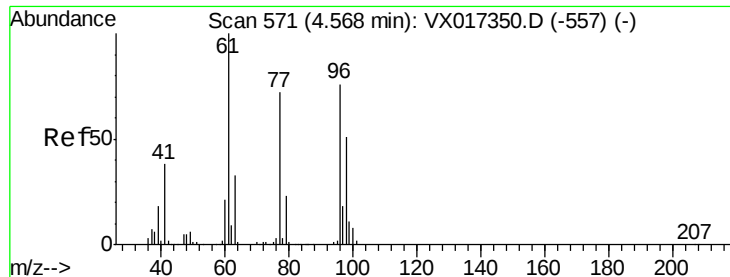
Tgt Ion: 77 Resp: 280679

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





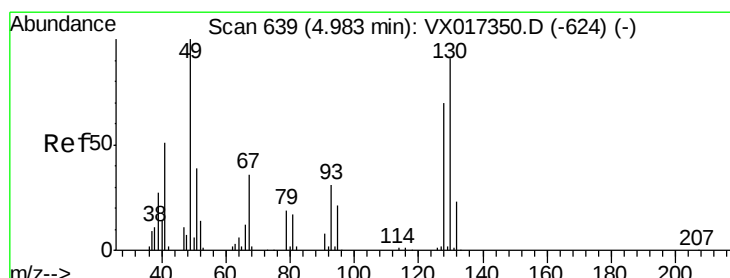
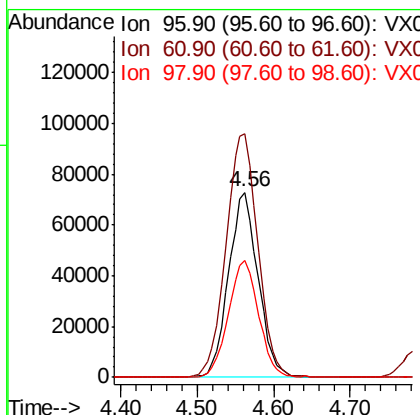
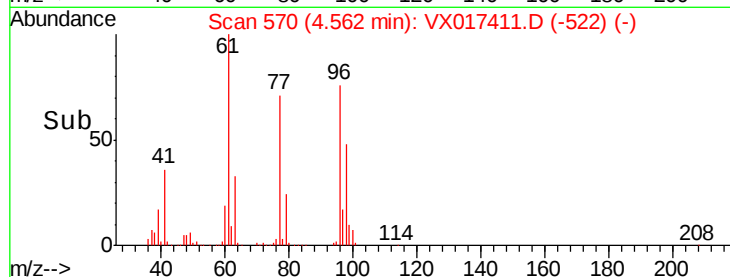
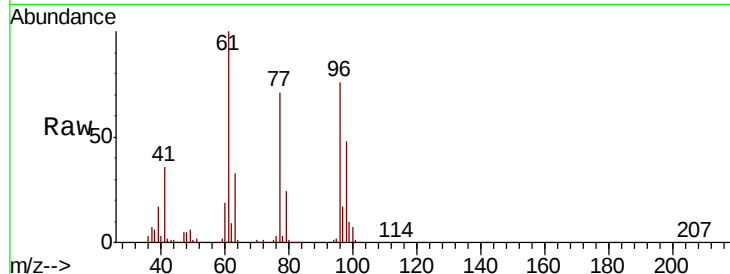
#27
 cis-1,2-Dichloroethene
 Concen: 49.786 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	194841		
61	141.8	0.0	281.2	
98	64.6	0.0	131.4	

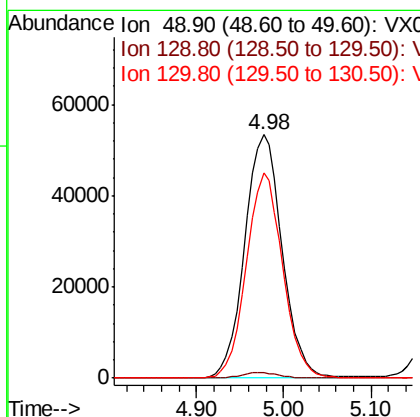
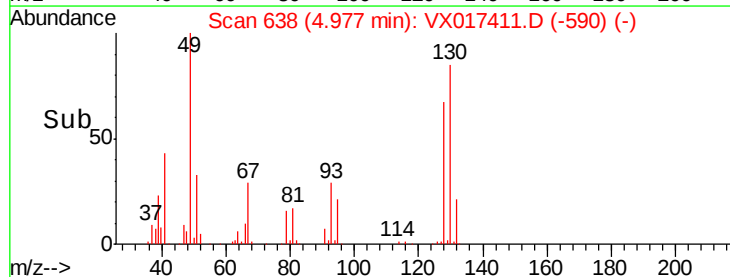
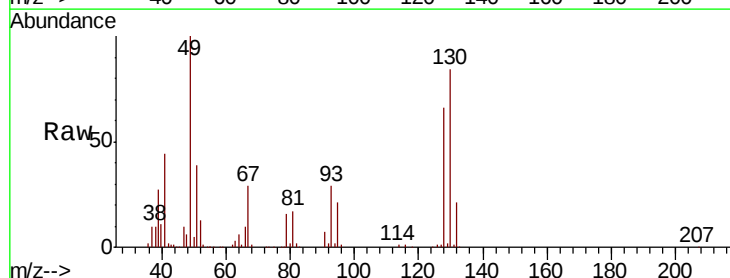
Manual Integrations
 APPROVED

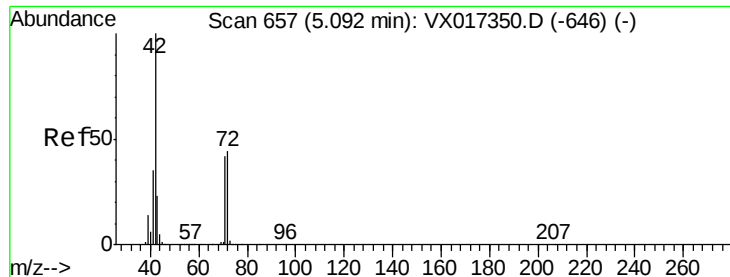
MMDadoda
 7/20/2020 11:50:12 AM



#28
 Bromochloromethane
 Concen: 56.717 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158530		
129	2.2	0.0	4.8	
130	82.2	71.1	106.7	





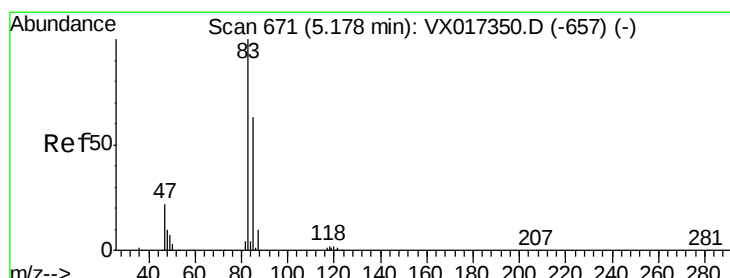
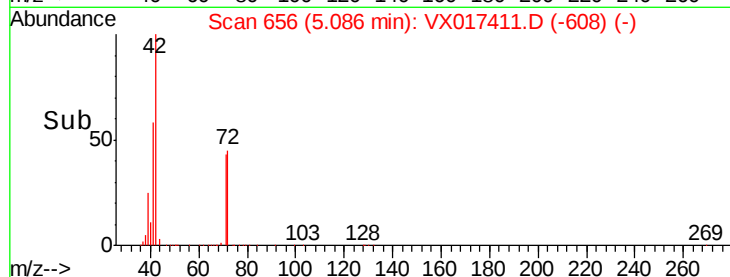
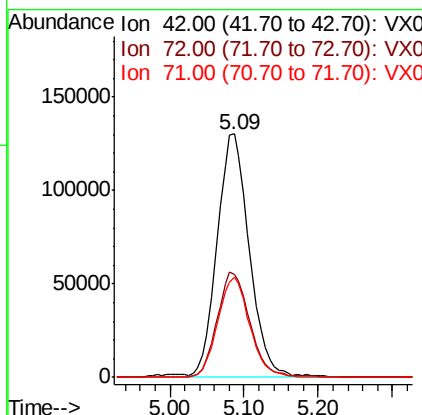
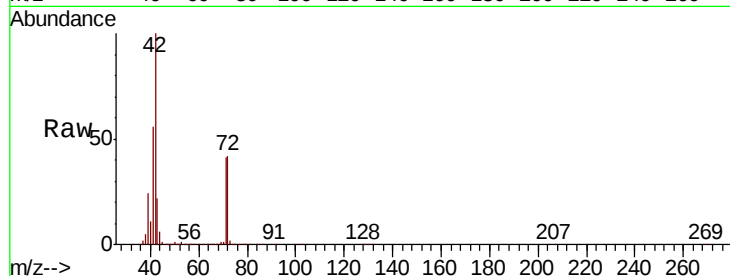
#29
Tetrahydrofuran
Concen: 247.133 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	37.2	55.8
71	41.0	34.4	51.6

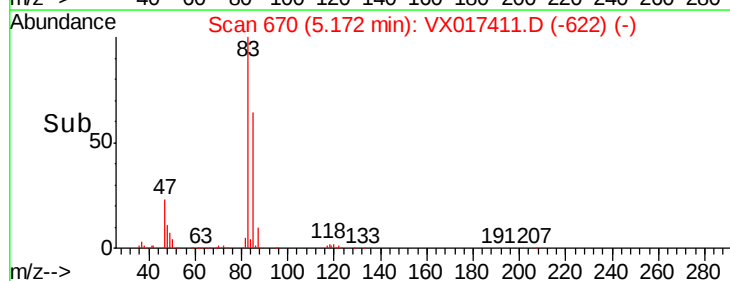
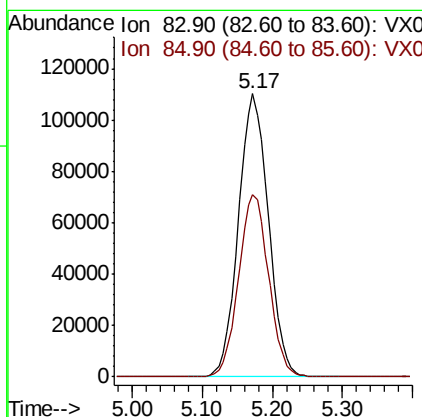
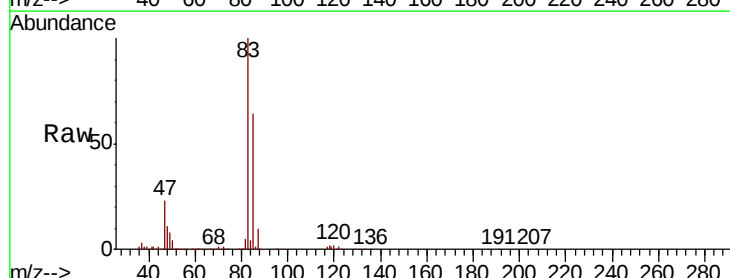
Manual Integrations
APPROVED

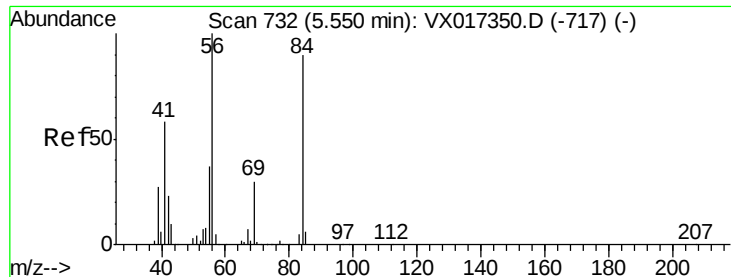
MMDadoda
7/20/2020 11:50:12 AM



#30
Chloroform
Concen: 50.352 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4





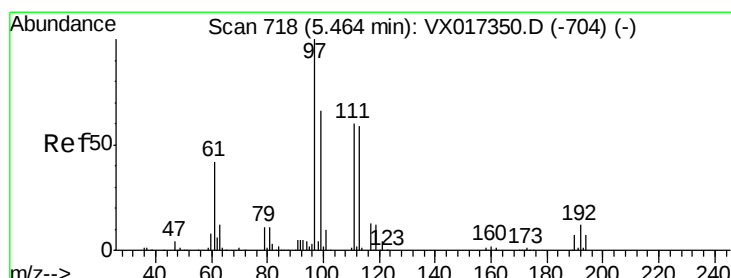
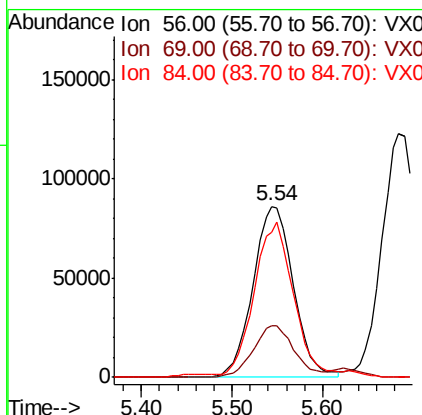
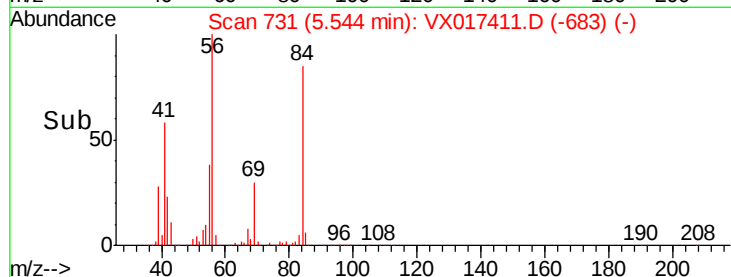
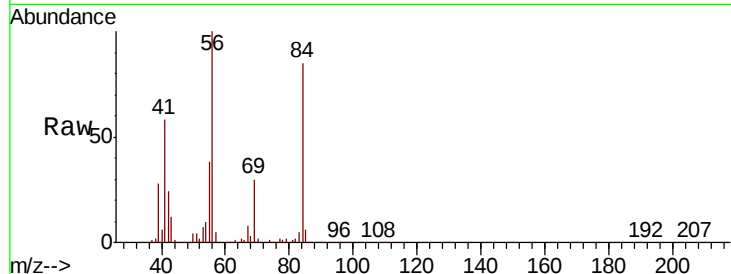
#31
Cyclohexane
Concen: 53.539 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	83.5	71.8	107.6

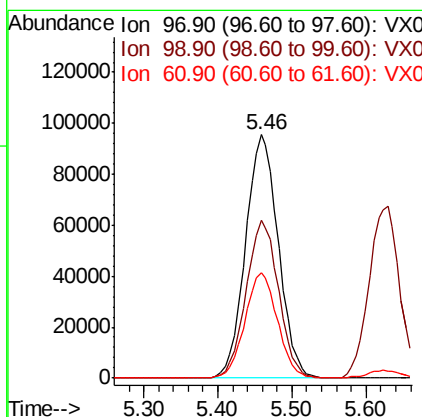
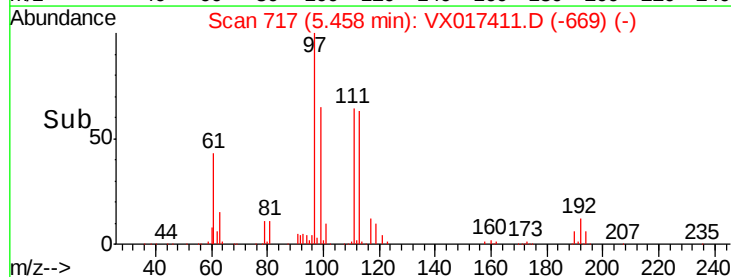
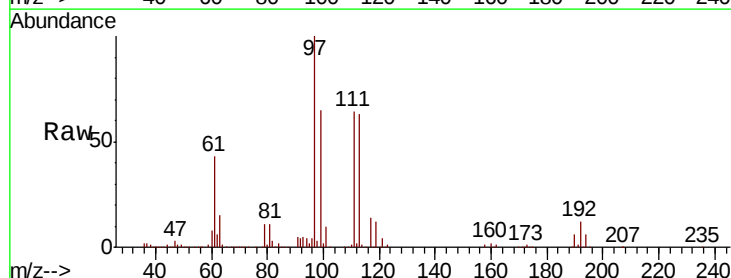
Manual Integrations
APPROVED

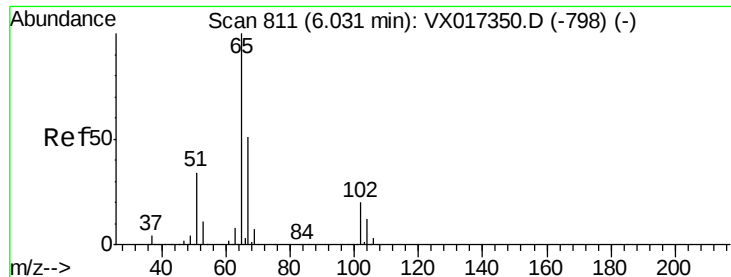
MMDadoda
7/20/2020 11:50:12 AM



#32
1,1,1-Trichloroethane
Concen: 48.924 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	43.3	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 47.049 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 202401

Ion Ratio Lower Upper

65 100

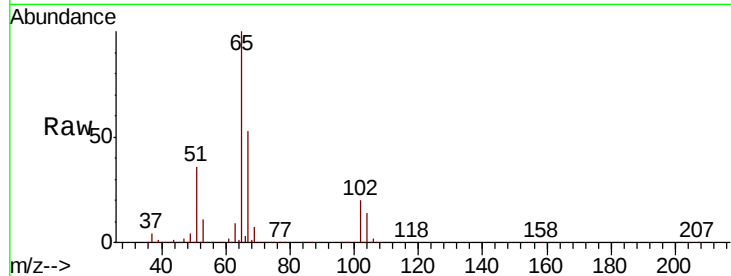
67 52.5 0.0 101.6

Manual Integrations

APPROVED

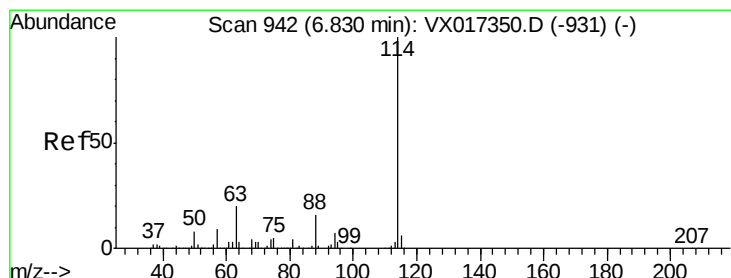
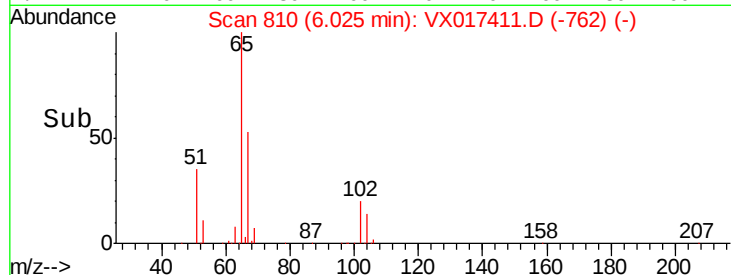
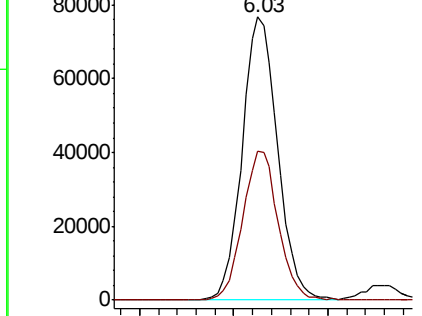
MMDadoda

7/20/2020 11:50:12 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

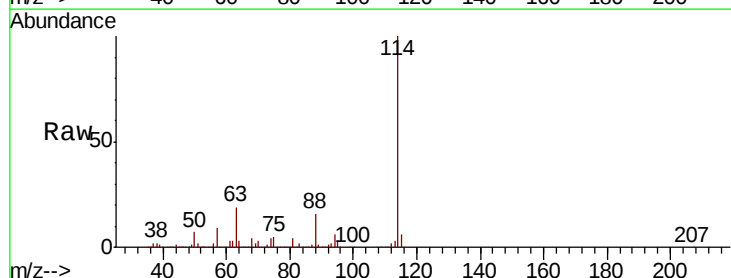
Tgt Ion: 114 Resp: 512182

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

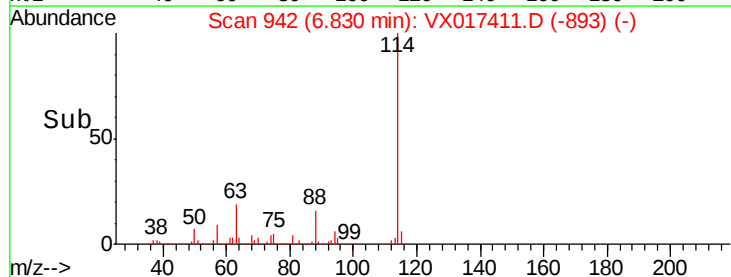
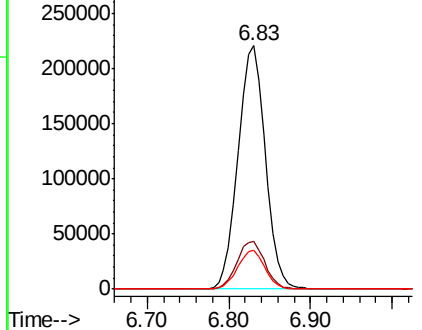
88 15.9 0.0 32.8

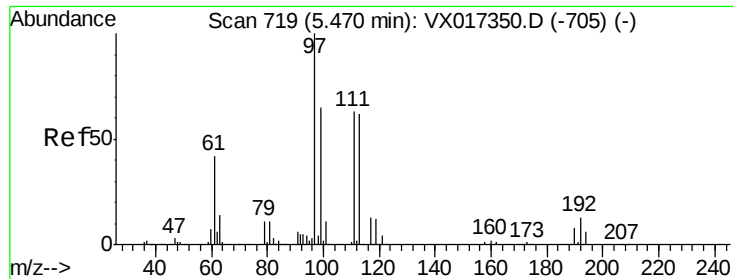


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





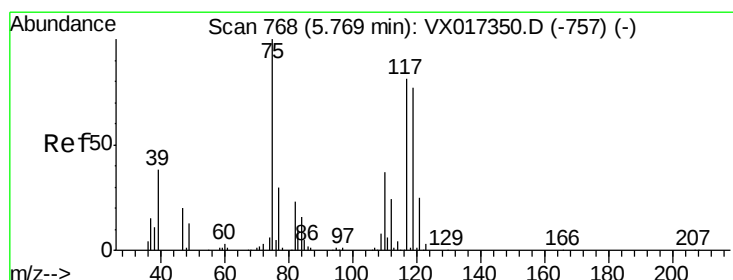
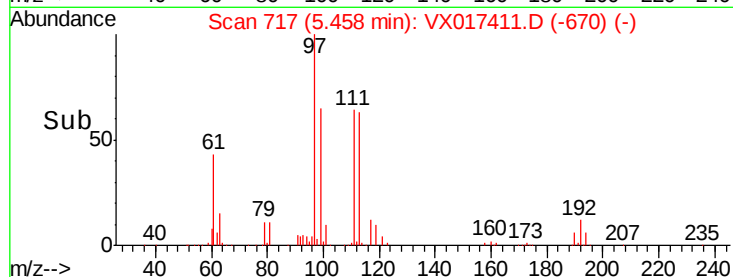
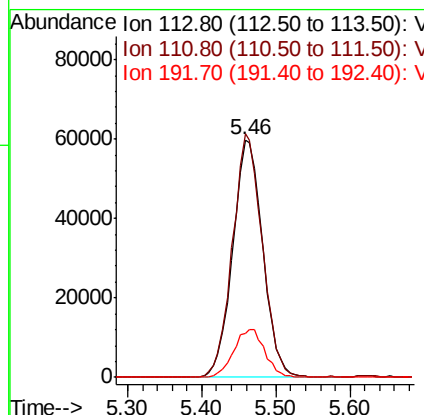
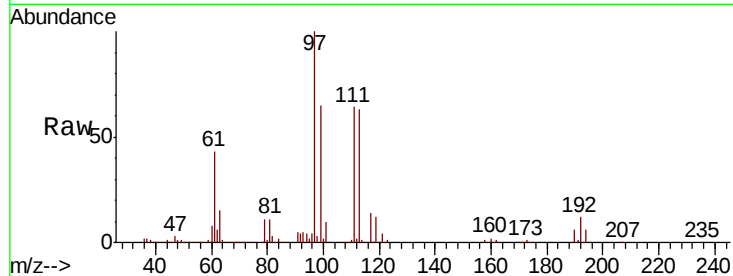
#35
Dibromofluoromethane
Concen: 49.149 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	169571		
111	101.3	82.4	123.6	
192	20.9	17.2	25.8	

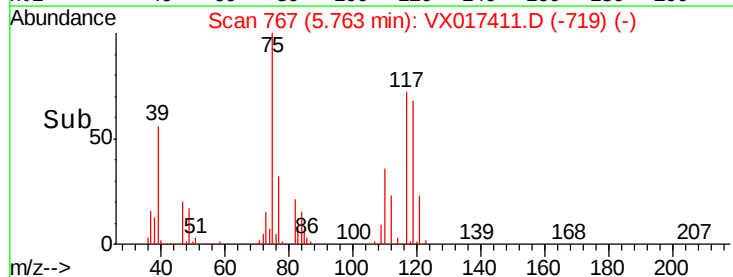
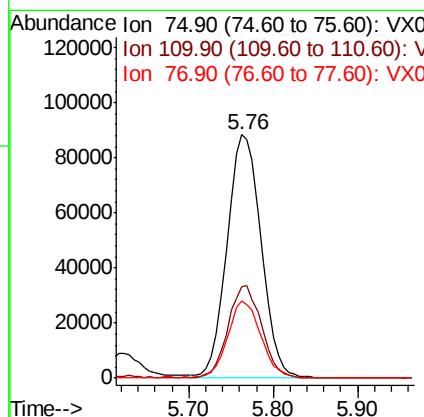
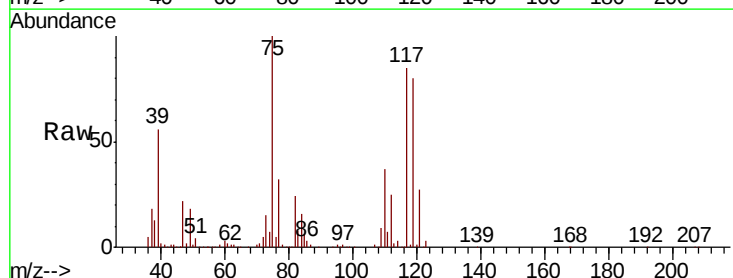
Manual Integrations
APPROVED

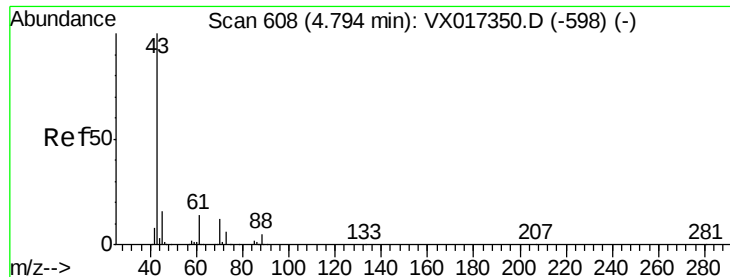
MMDadoda
7/20/2020 11:50:12 AM



#36
1,1-Dichloropropene
Concen: 51.411 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	242202		
110	37.4	18.6	55.8	
77	30.4	24.9	37.3	





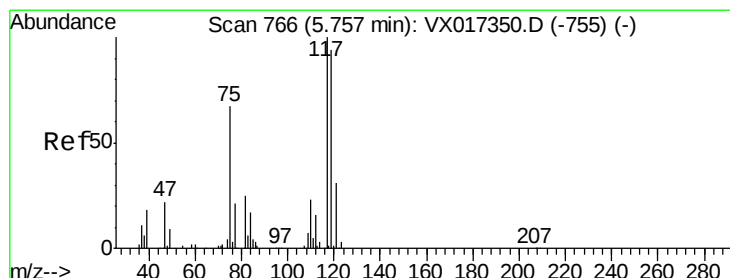
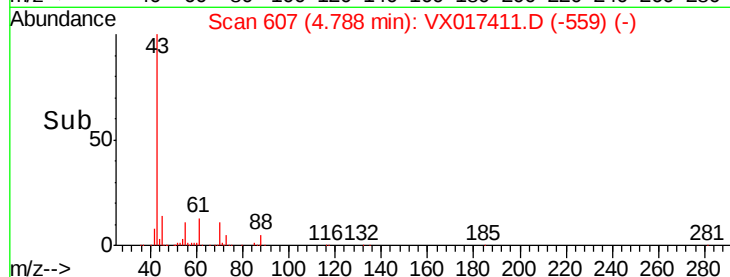
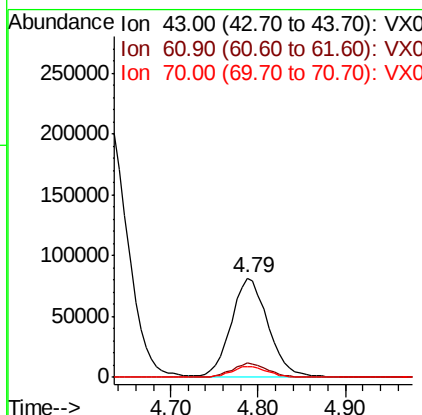
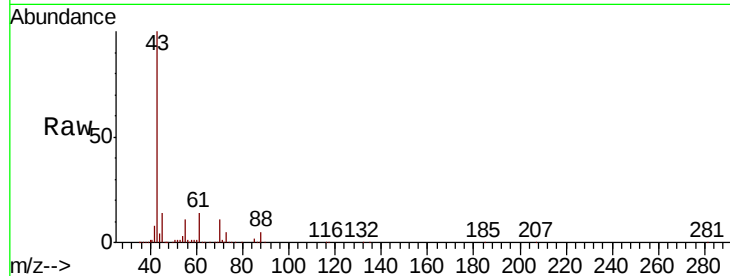
#37
Ethyl Acetate
Concen: 48.459 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.1	9.0	13.6

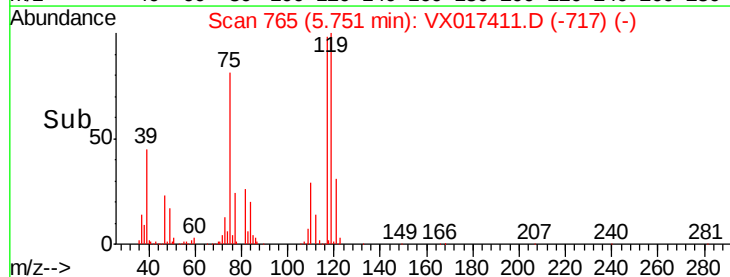
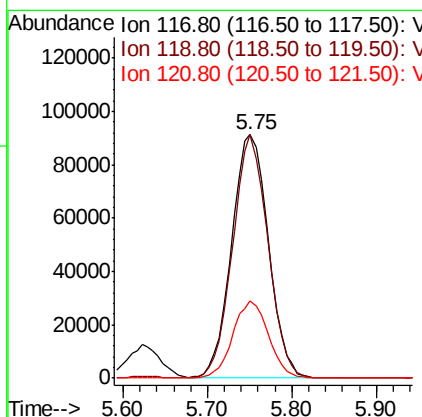
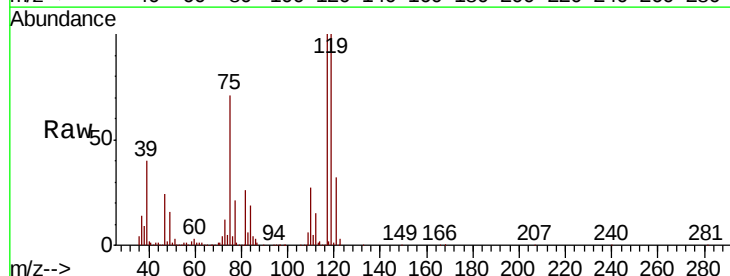
Manual Integrations
APPROVED

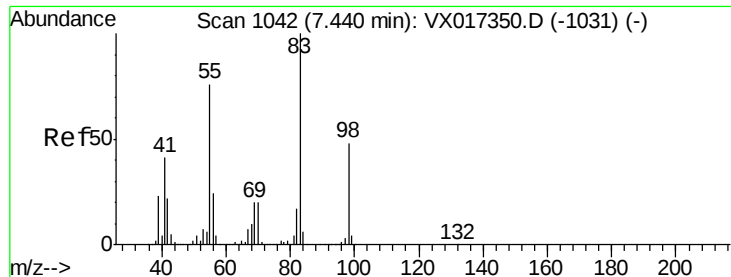
MMDadoda
7/20/2020 11:50:12 AM



#38
Carbon Tetrachloride
Concen: 48.989 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	74.7	112.1
121	31.9	24.5	36.7





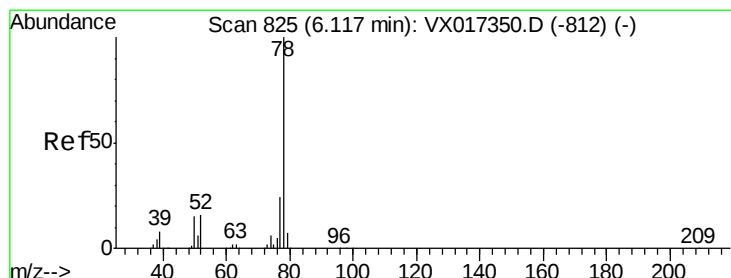
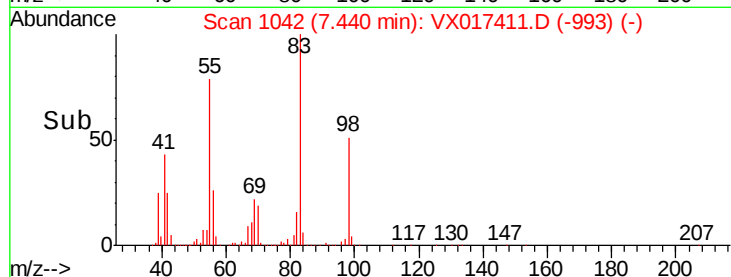
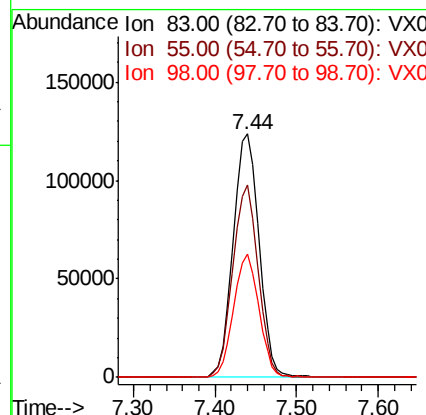
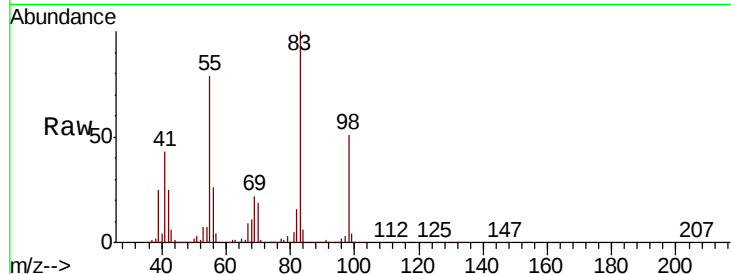
#39
Methvlcvclohexane
Concen: 52.972 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.2	91.8
98	50.6	38.1	57.1

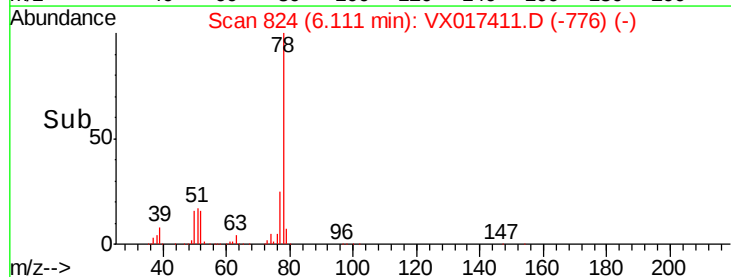
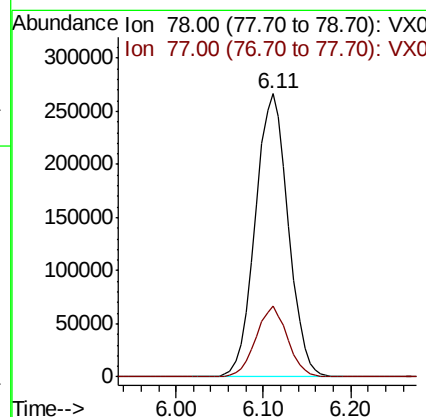
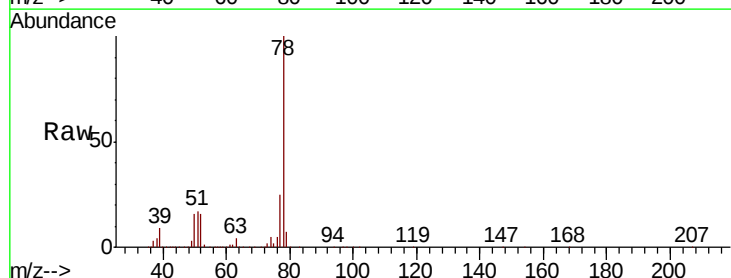
Manual Integrations
APPROVED

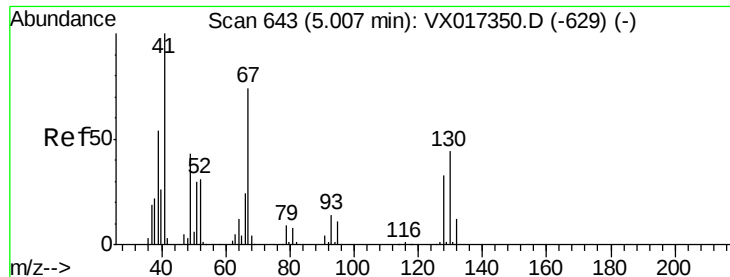
MMDadoda
7/20/2020 11:50:12 AM



#40
Benzene
Concen: 51.420 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3





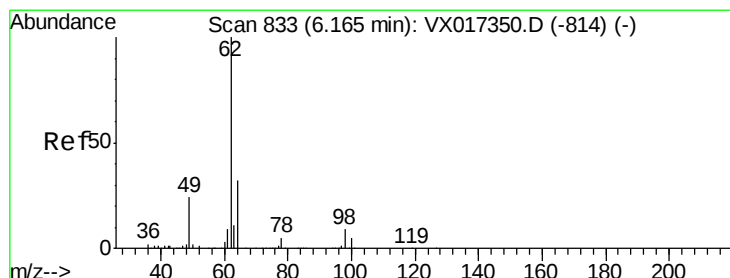
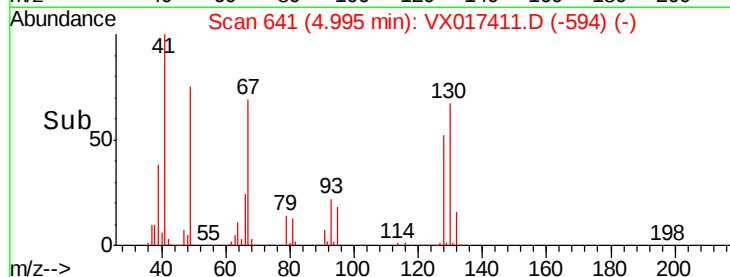
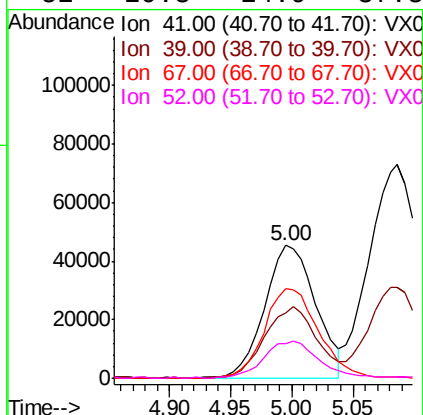
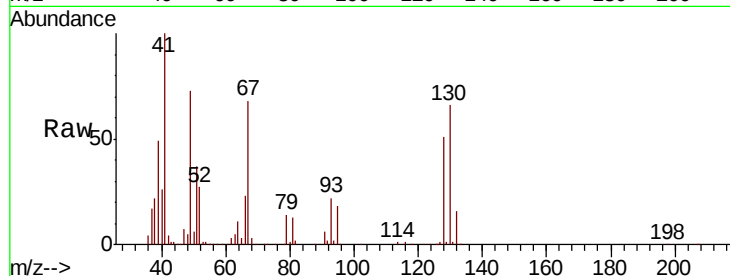
#41
Methacrylonitrile
Concen: 50.358 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		131715		
39	56.0	43.8	65.8		
67	72.2	58.7	88.1		
52	29.3	24.9	37.3		

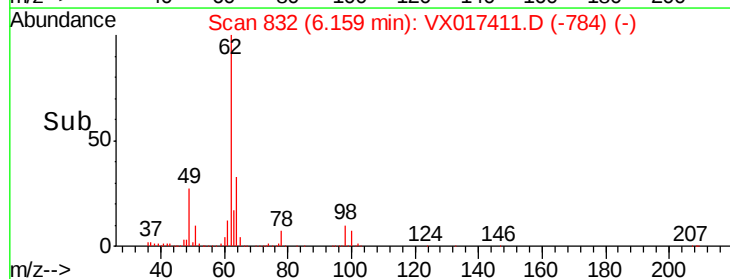
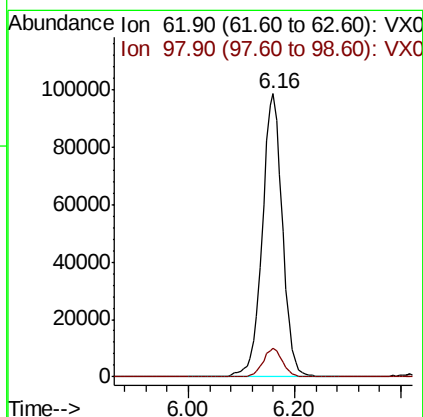
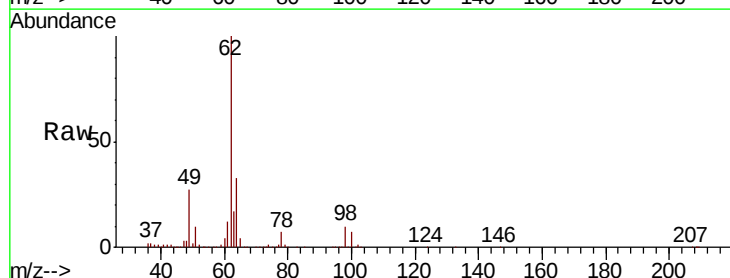
Manual Integrations
APPROVED

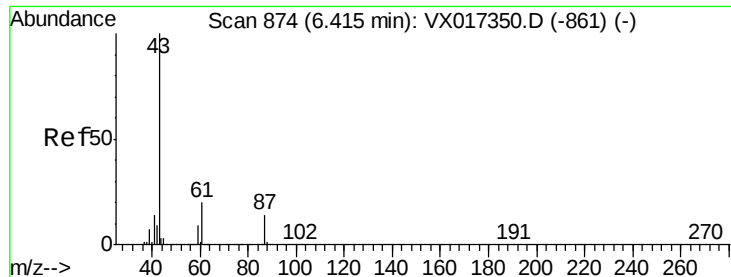
MMDadoda
7/20/2020 11:50:12 AM



#42
1,2-Dichloroethane
Concen: 49.330 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		259493		
98	9.9	0.0	19.4		





#43

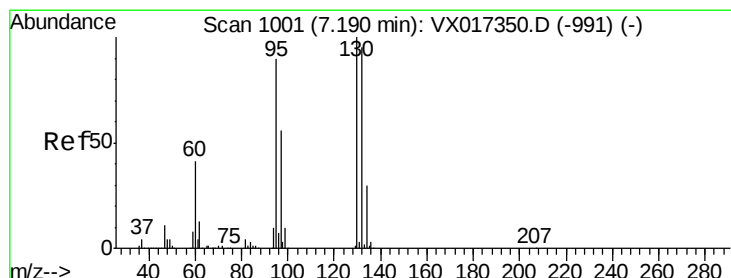
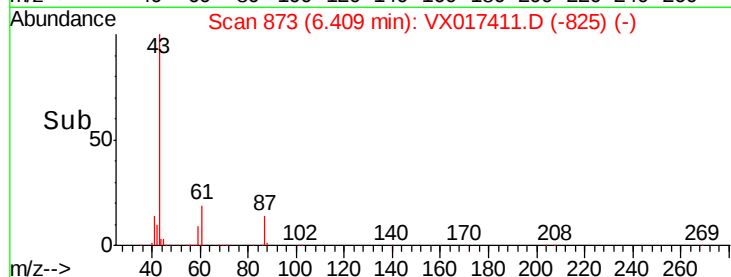
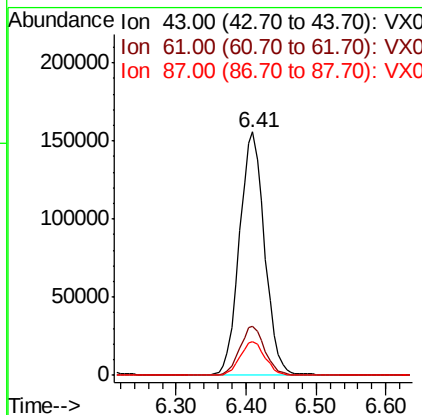
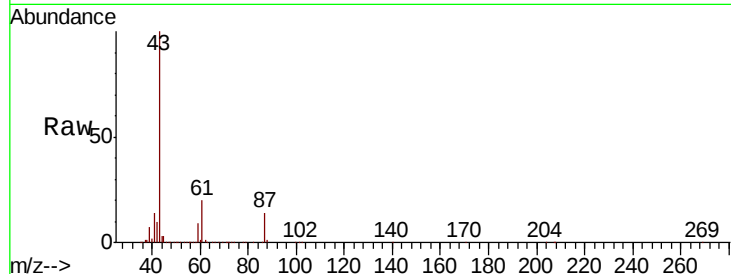
Isopropyl Acetate
 Concen: 49.655 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.4	24.6
87	13.9	11.2	16.8

Manual Integrations
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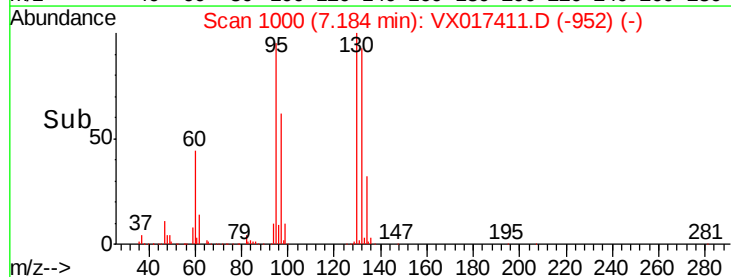
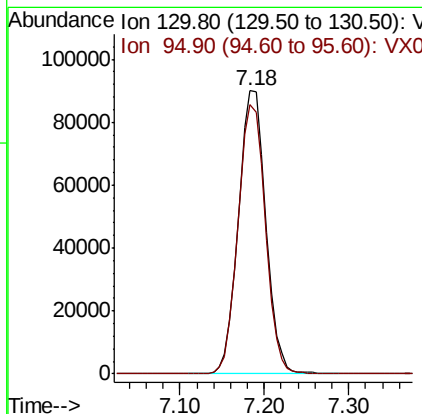
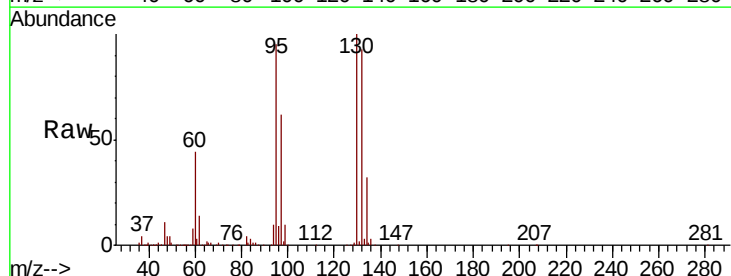
MMDadoda
 7/20/2020 11:50:12 AM

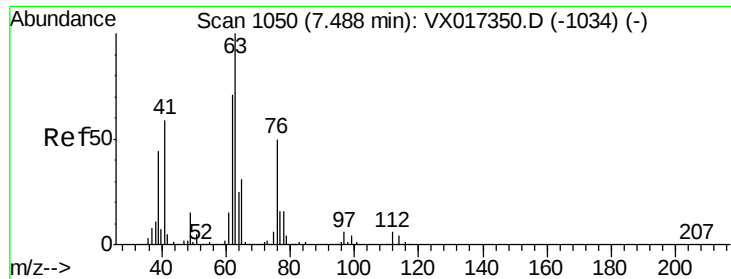


#44

Trichloroethene
 Concen: 47.449 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	180.2





#45

1,2-Dichloropropane

Concen: 53.371 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 184896

Ion Ratio Lower Upper

63 100

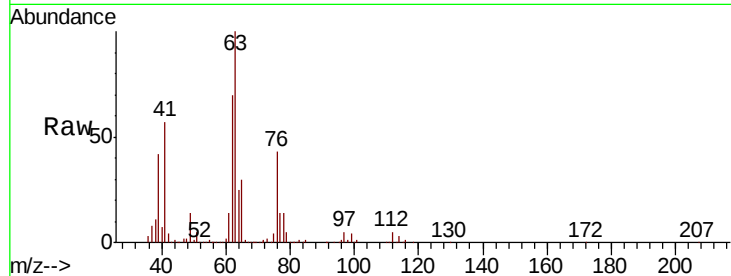
65 30.2 24.5 36.7

Manual Integrations

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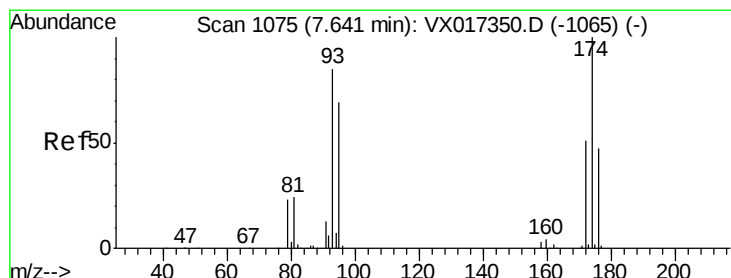
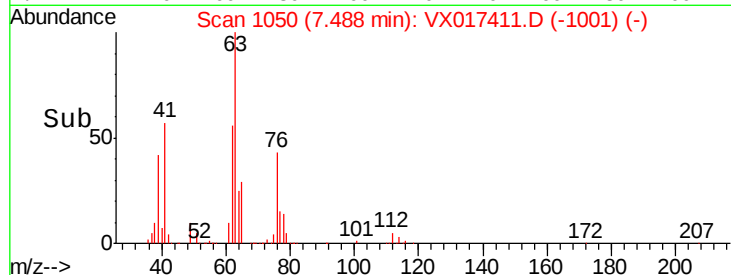
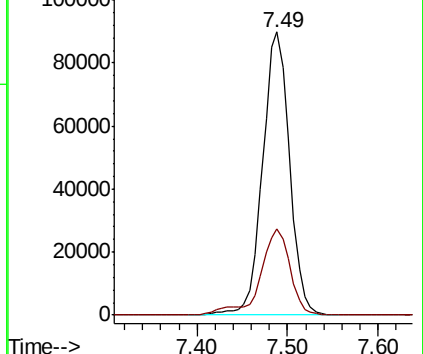
MMDadoda

7/20/2020 11:50:12 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.924 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

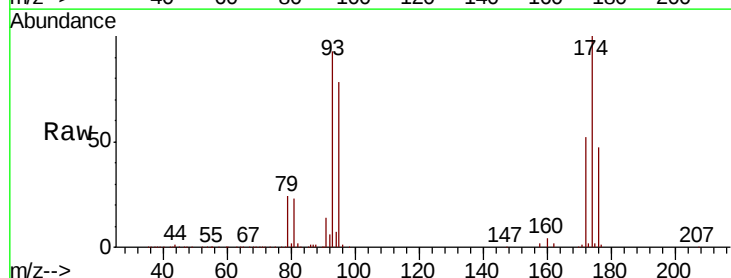
Tgt Ion: 93 Resp: 127234

Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

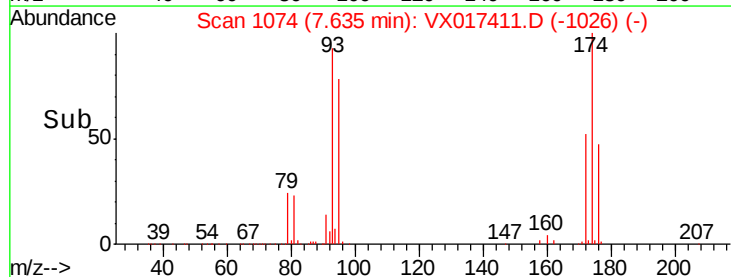
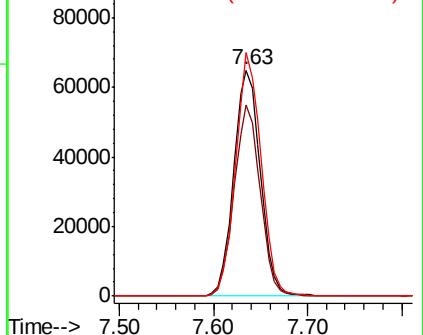
174 104.1 91.2 136.8

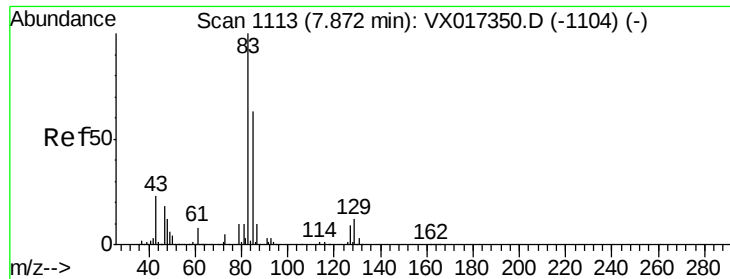


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.662 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

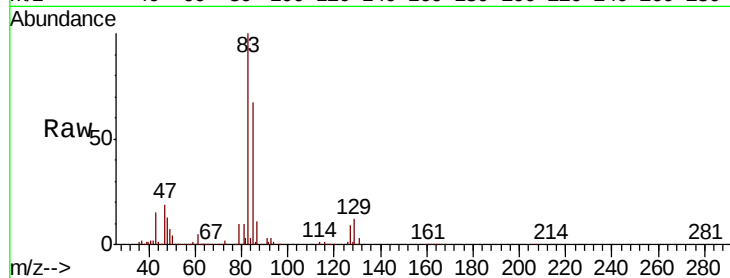
ClientSampleId :

VSTDCCC050

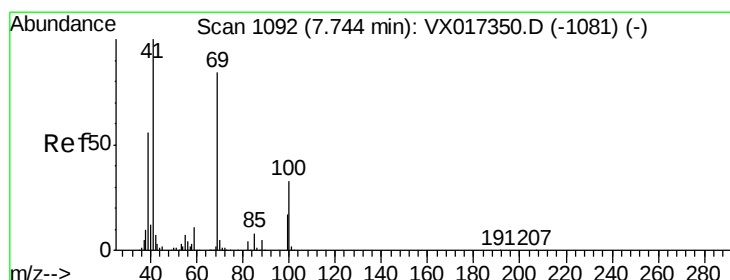
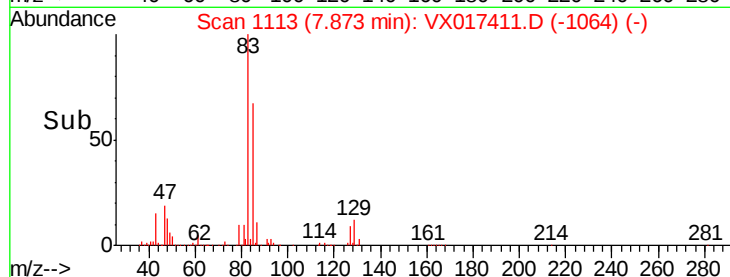
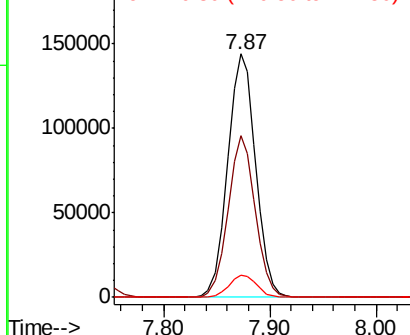
Tot Ion:	83	Resp:	264639
Ion Ratio	Lower	Upper	
83	100		
85	66.6	50.2	75.4
127	8.9	7.1	10.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.911 ug/l

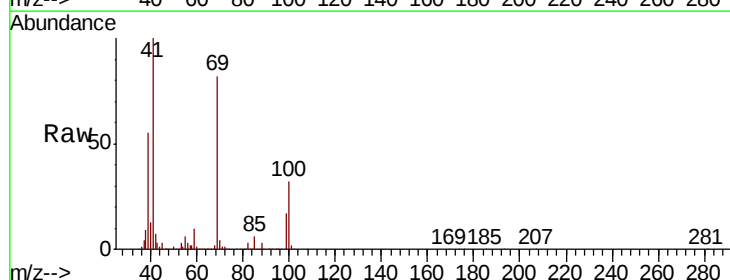
RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

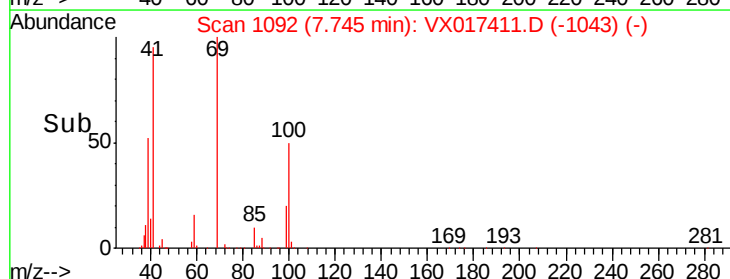
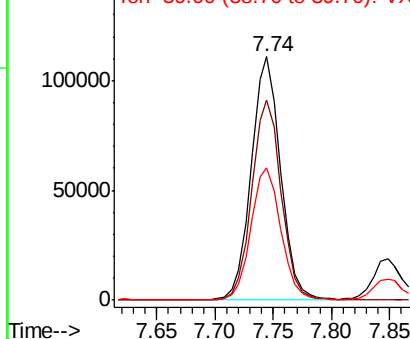
Lab File: VX017411.D

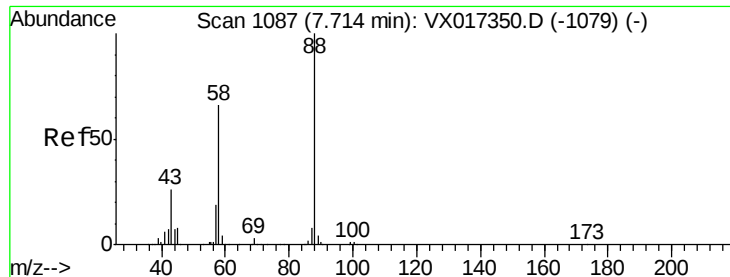
Acq: 17 Jul 2020 11:06

Tgt Ion:	41	Resp:	193936
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.8	101.6
39	55.6	45.1	67.7



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





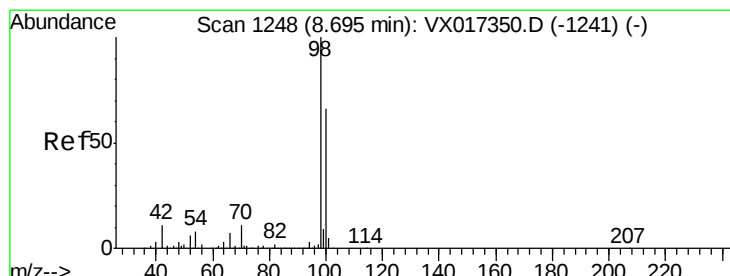
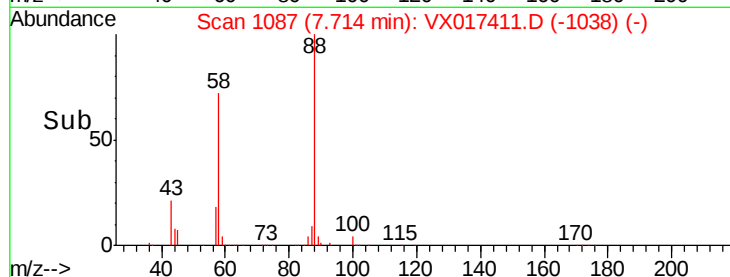
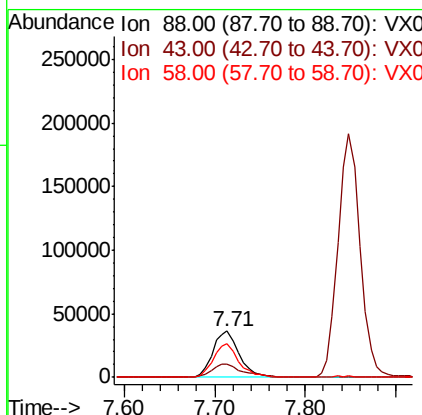
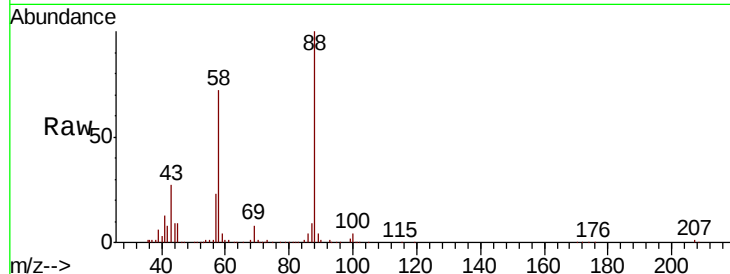
#49
1,4-Dioxane
Concen: 967.397 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	73960
Ion Ratio	Lower	Upper	
88	100		
43	32.9	25.6	38.4
58	71.4	53.9	80.9

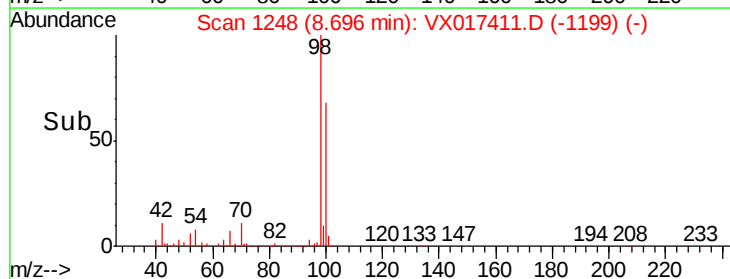
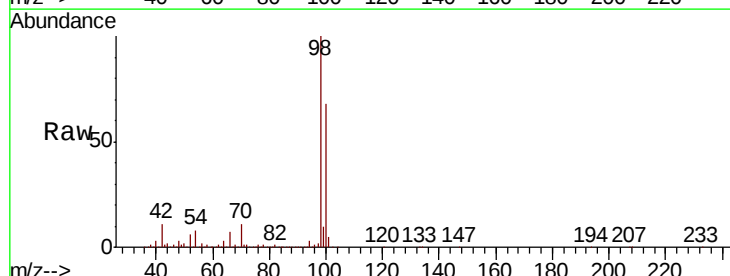
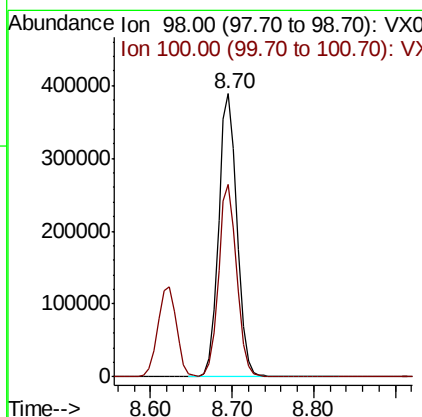
Manual Integrations
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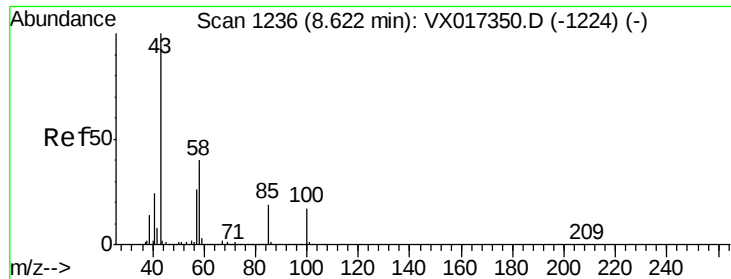
MMDadoda
7/20/2020 11:50:12 AM



#50
Toluene-d8
Concen: 49.250 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	98	Resp	612924
Ion Ratio	Lower	Upper	
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 258.050 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1224966

Ion Ratio Lower Upper

43 100

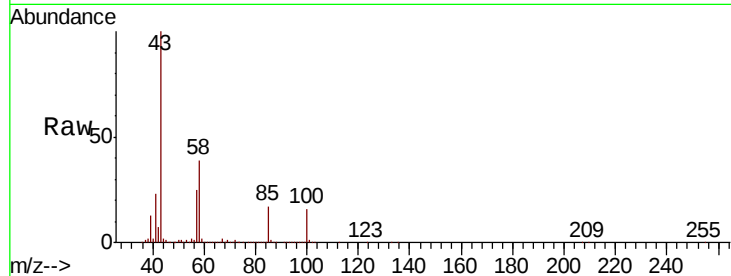
58 39.2 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

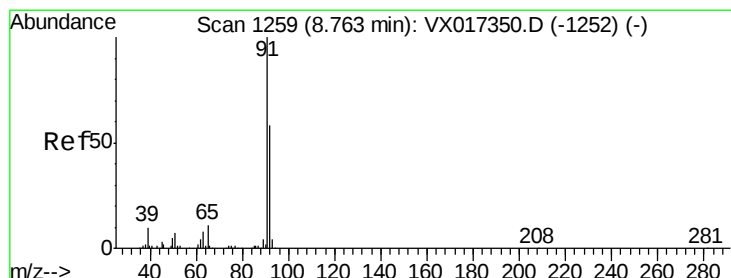
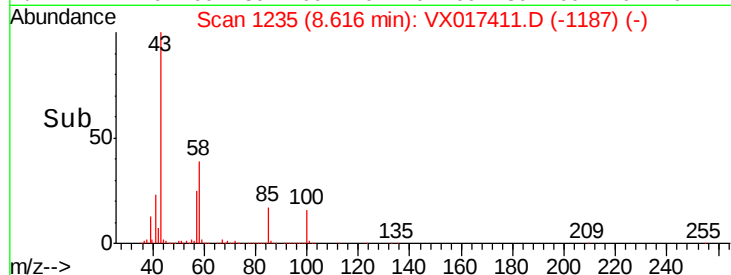
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.592 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017411.D

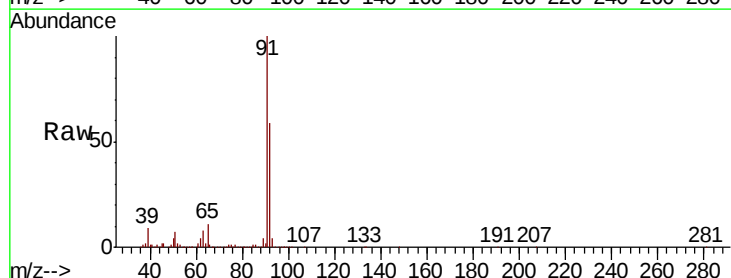
Acq: 17 Jul 2020 11:06

Tgt Ion: 92 Resp: 448257

Ion Ratio Lower Upper

92 100

91 172.3 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.76

600000

500000

400000

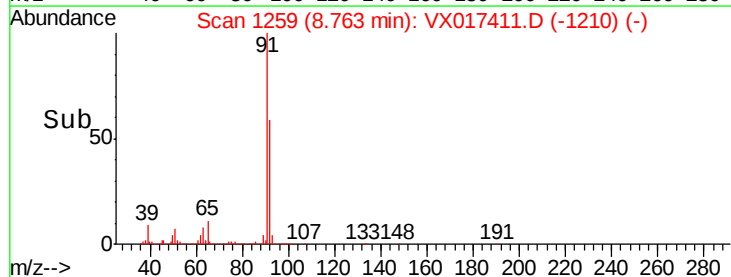
300000

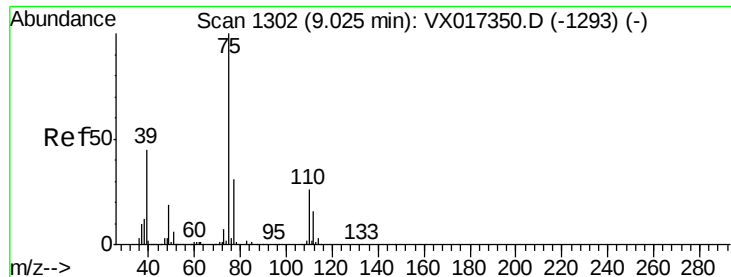
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.957 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 286756

Ion Ratio Lower Upper

75 100

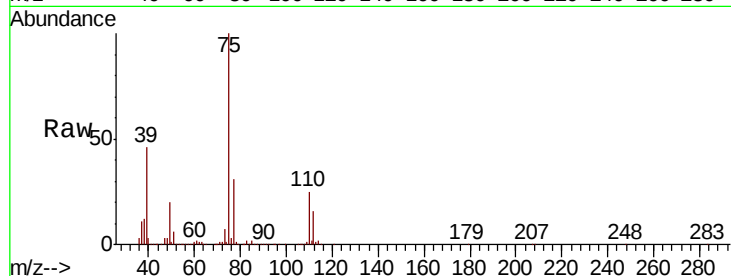
77 31.4 25.0 37.6

Manual Integrations

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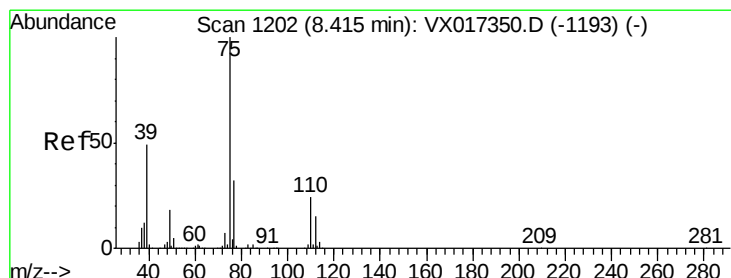
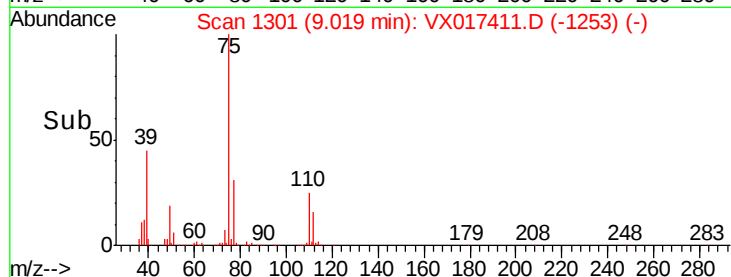
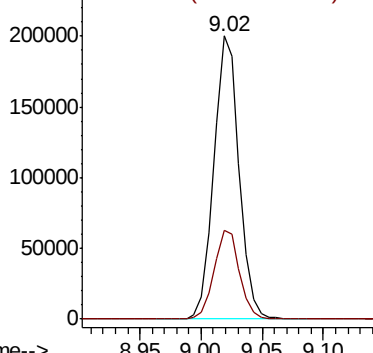
MMDadoda

7/20/2020 11:50:12 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.559 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

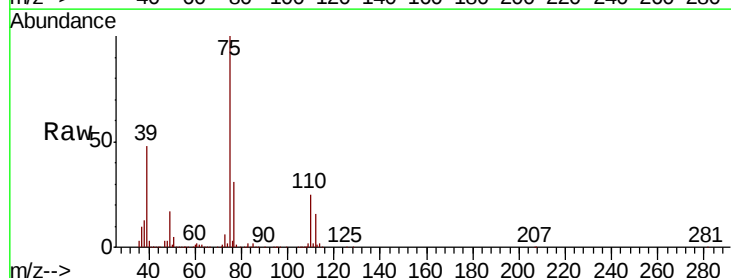
Tgt Ion: 75 Resp: 309462

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

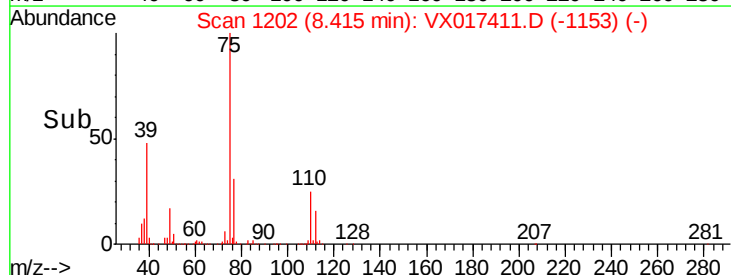
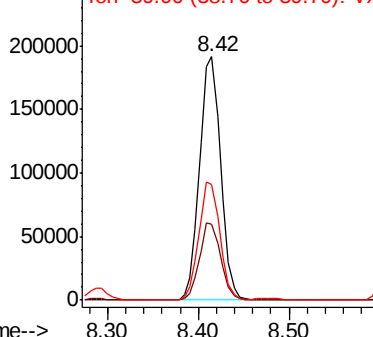
39 47.6 38.9 58.3

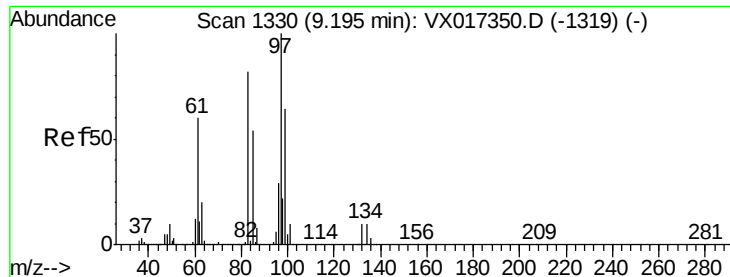


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





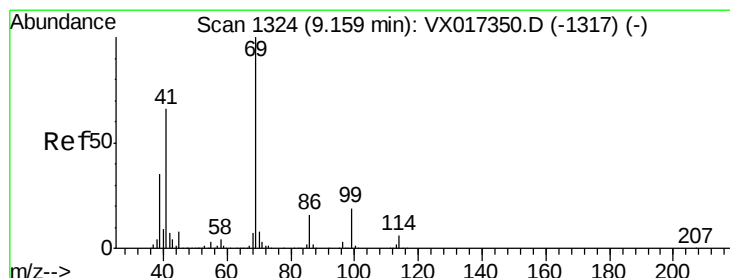
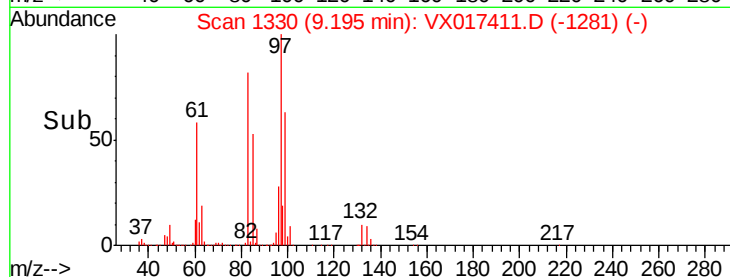
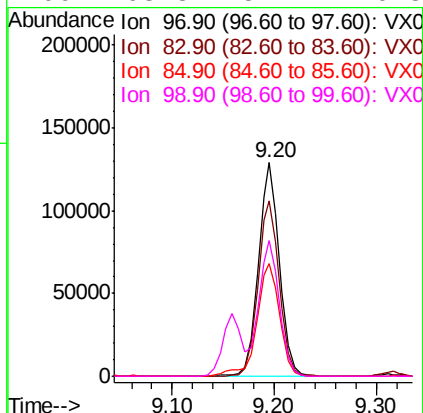
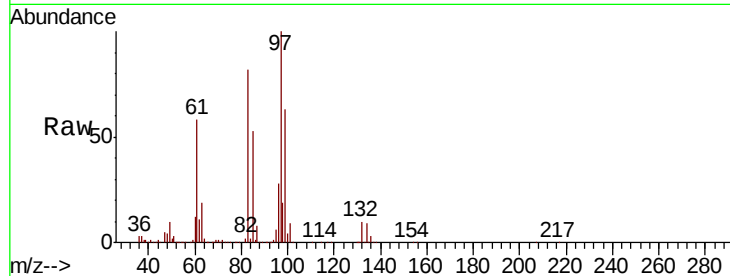
#55
 1,1,2-Trichloroethane
 Concen: 51.123 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		185219		
83	82.2	65.8	98.6		
85	53.0	42.8	64.2		
99	63.3	51.2	76.8		

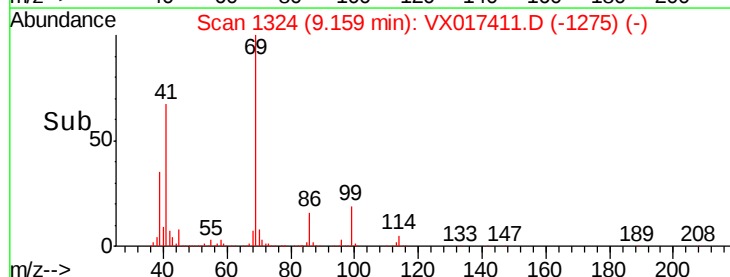
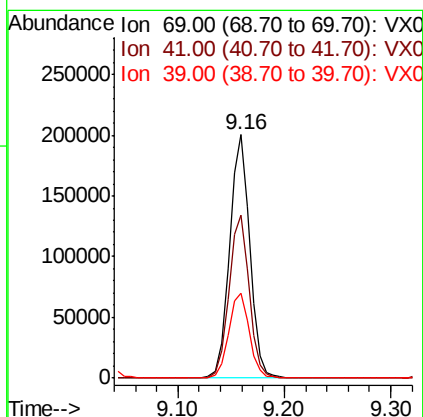
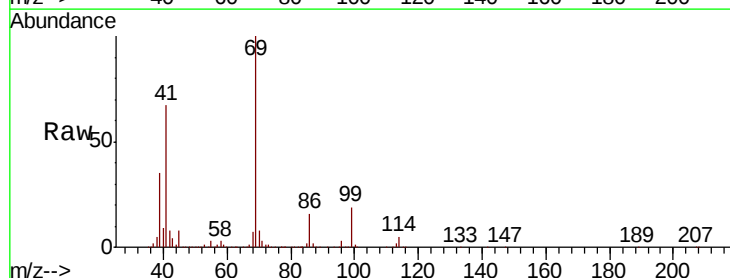
Manual Integrations
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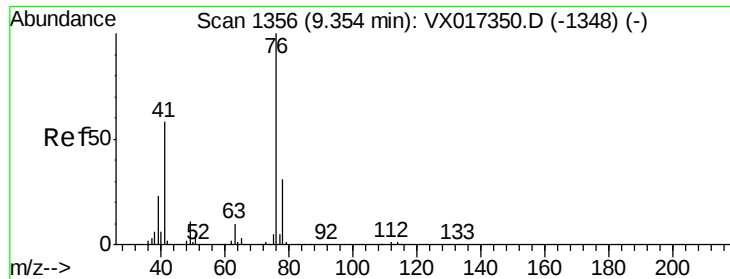
MMDadoda
 7/20/2020 11:50:12 AM



#56
 Ethyl methacrylate
 Concen: 51.723 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		266050		
41	66.7	52.6	78.8		
39	35.8	28.8	43.2		





#57

1,3-Dichloropropane

Concen: 51.175 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 308414

Ion Ratio Lower Upper

76 100

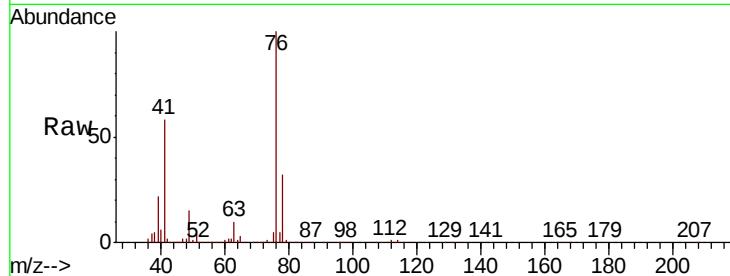
78 32.1 25.8 38.6

Manual Integrations

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7/20/2020 11:50:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

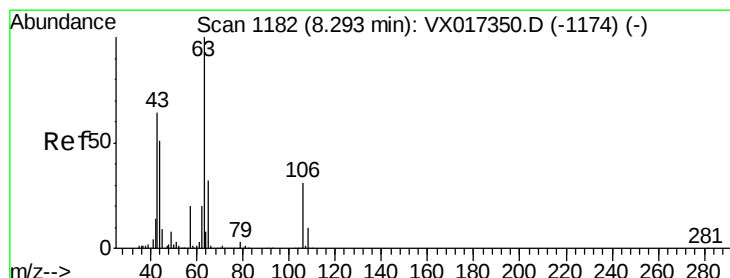
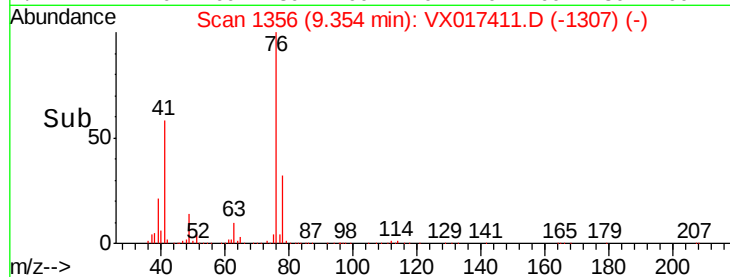
100000

50000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 278.640 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX017411.D

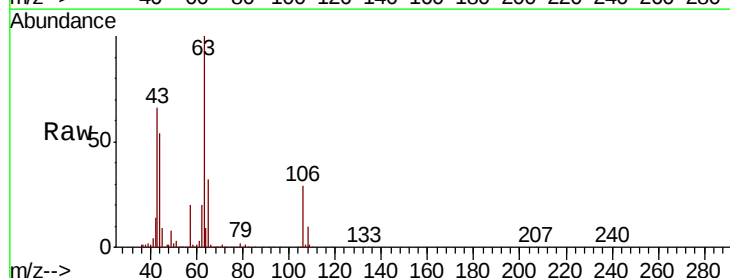
Acq: 17 Jul 2020 11:06

Tgt Ion: 63 Resp: 727730

Ion Ratio Lower Upper

63 100

106 29.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

500000

400000

300000

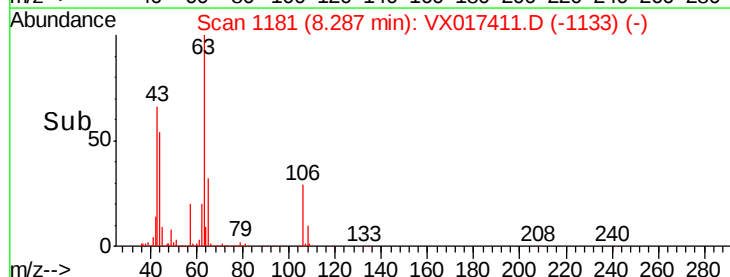
200000

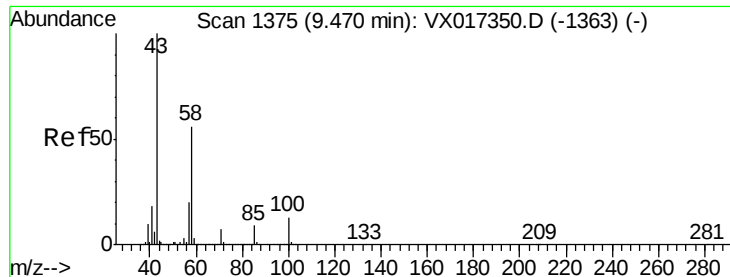
100000

0

8.20 8.25 8.30 8.35 8.40

Time-->





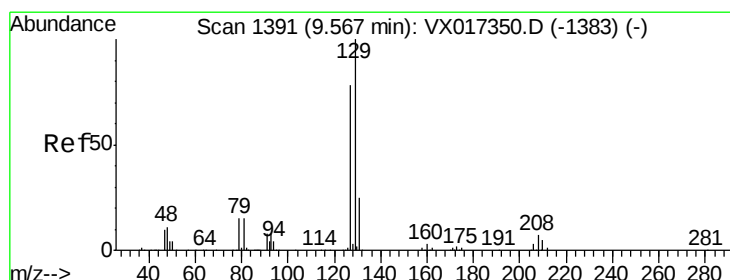
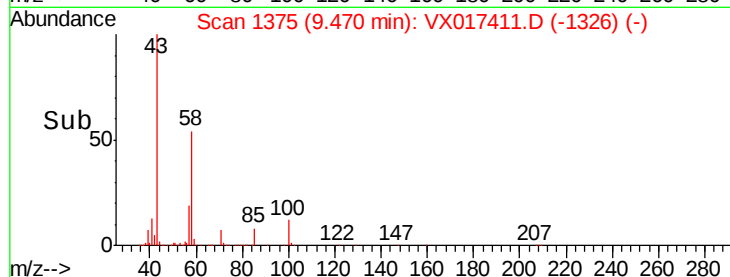
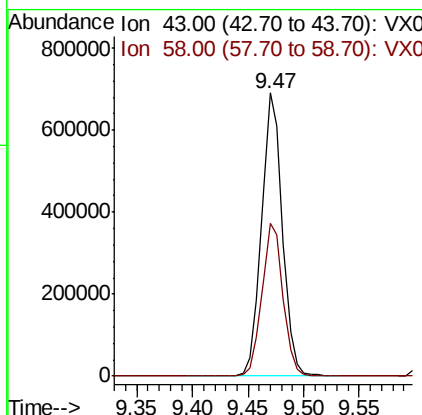
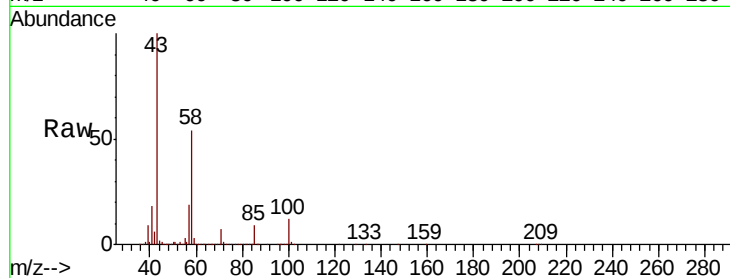
#59
2-Hexanone
Concen: 253.764 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.1	84.3

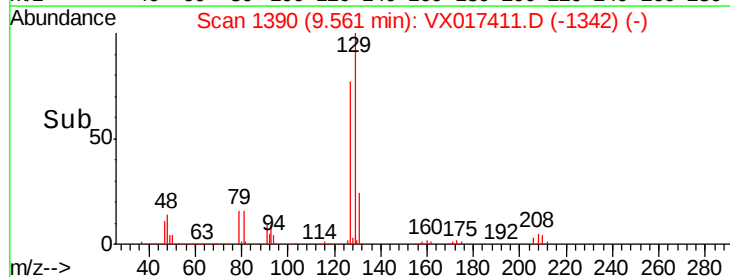
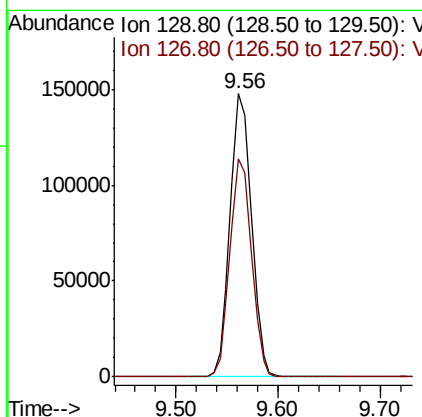
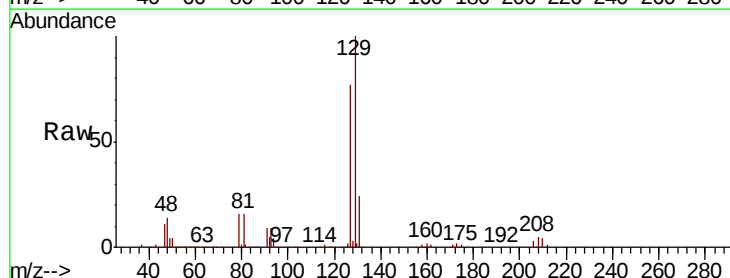
Manual Integrations
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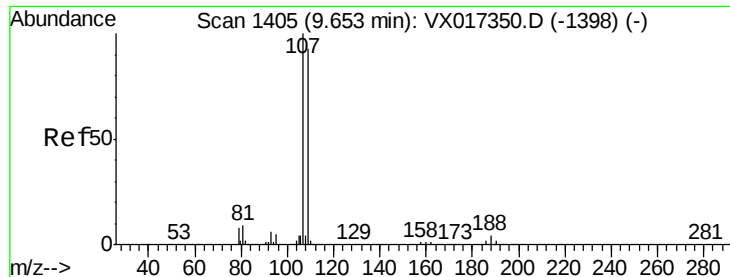
MMDadoda
7/20/2020 11:50:12 AM



#60
Dibromochloromethane
Concen: 48.467 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.6





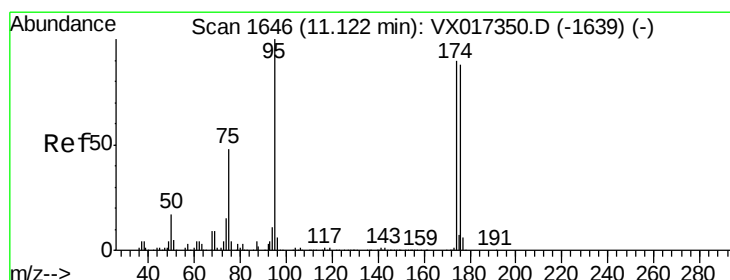
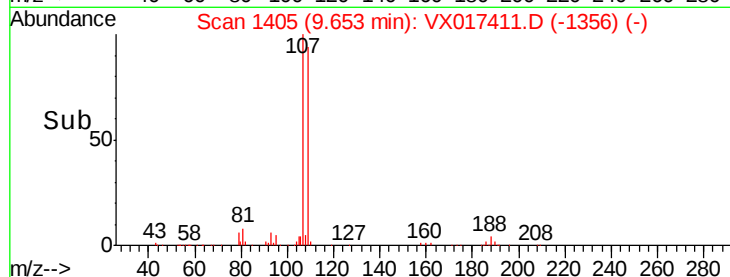
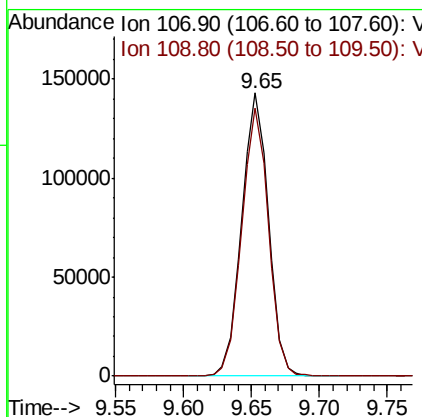
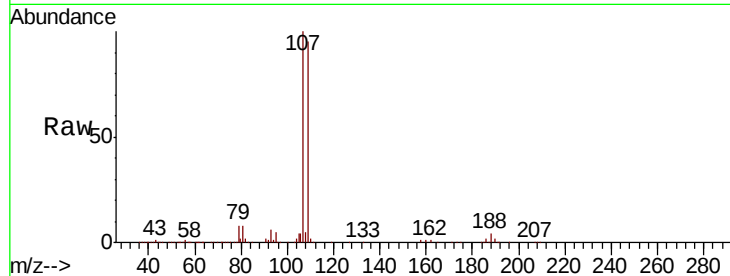
#61
 1,2-Dibromoethane
 Concen: 49.887 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.4

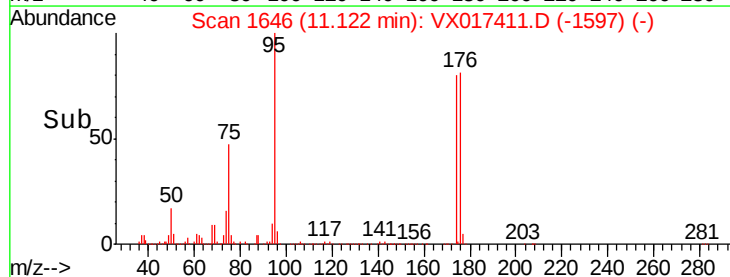
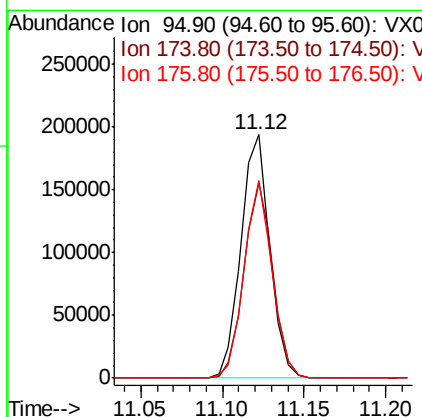
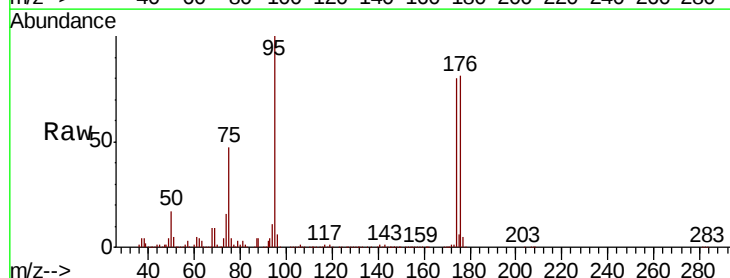
Manual Integrations
 APPROVED

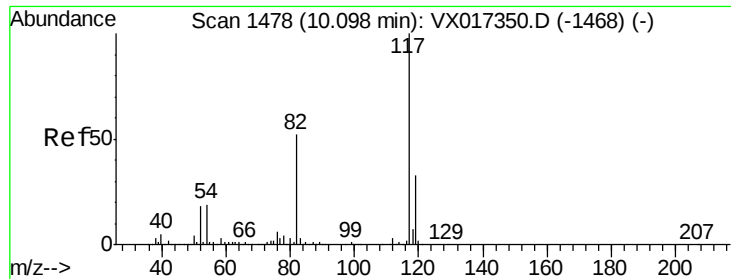
MMDadoda
 7/20/2020 11:50:12 AM



#62
 4-Bromofluorobenzene
 Concen: 48.419 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	175.8
176	78.7	0.0	164.6





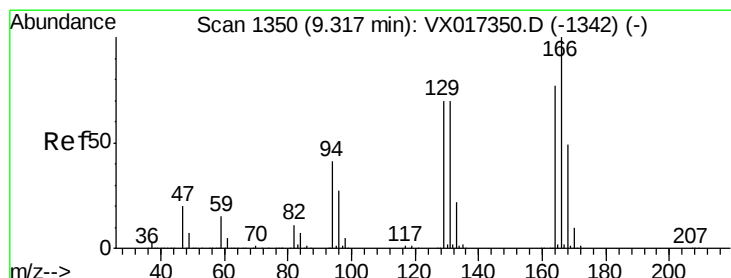
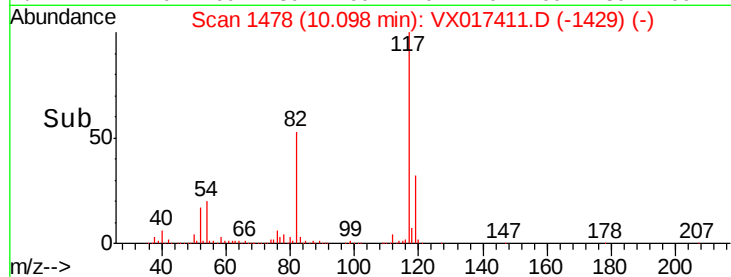
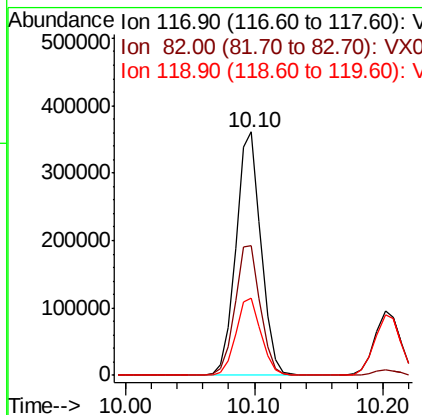
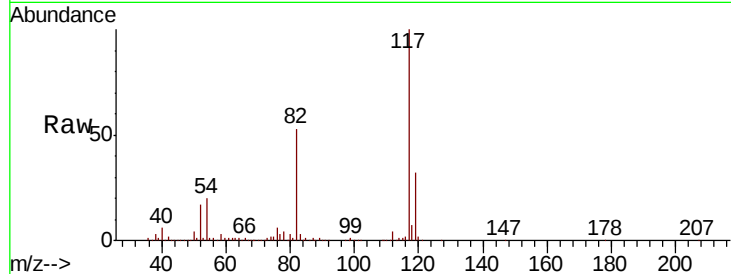
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	485662		
82	53.1	42.0	63.0	
119	31.9	26.3	39.5	

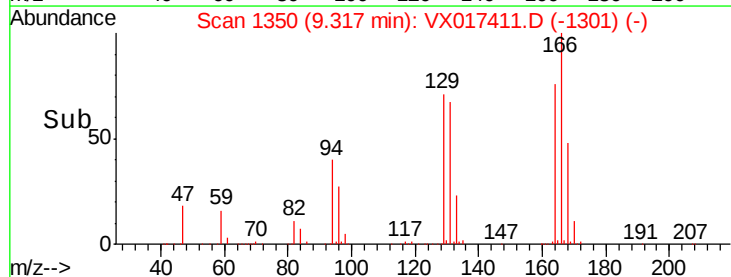
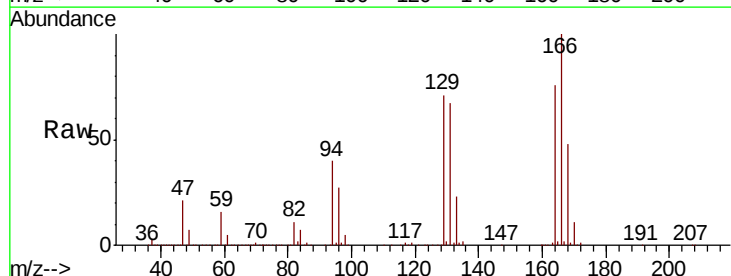
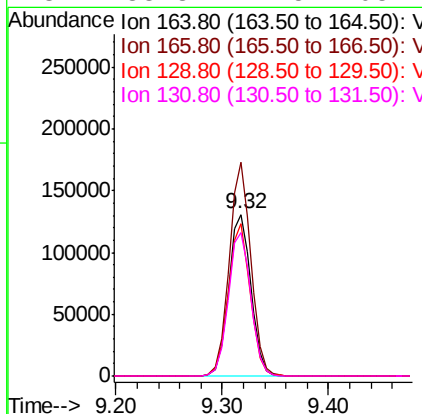
Manual Integrations
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7/20/2020 11:50:12 AM



#64
Tetrachloroethene
Concen: 45.697 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192090		
166	132.0	103.9	155.9	
129	93.8	72.9	109.3	
131	88.3	72.5	108.7	





#65

Chlorobenzene

Concen: 49.903 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 492530

Ion Ratio Lower Upper

112 100

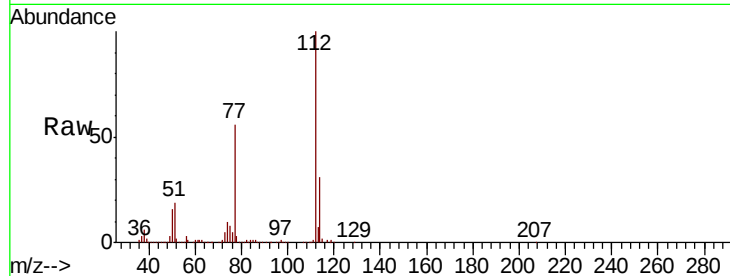
114 31.3 26.0 39.0

Manual Integrations

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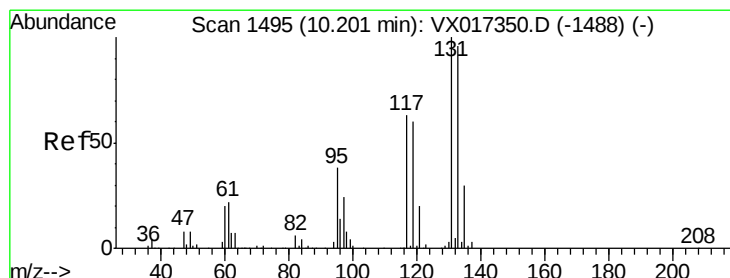
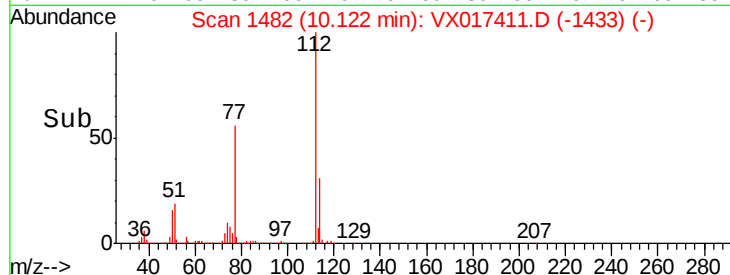
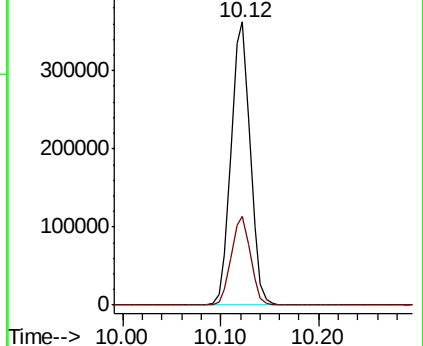
MMDadoda

7/20/2020 11:50:12 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.169 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

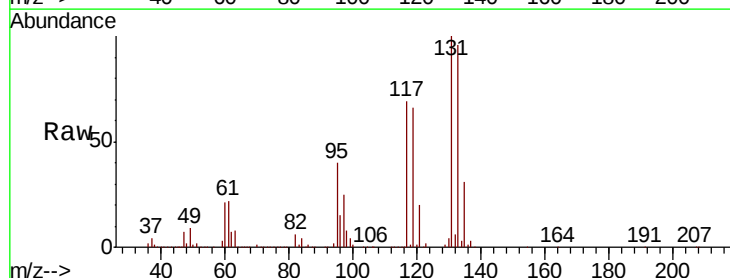
Tgt Ion:131 Resp: 193210

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.2

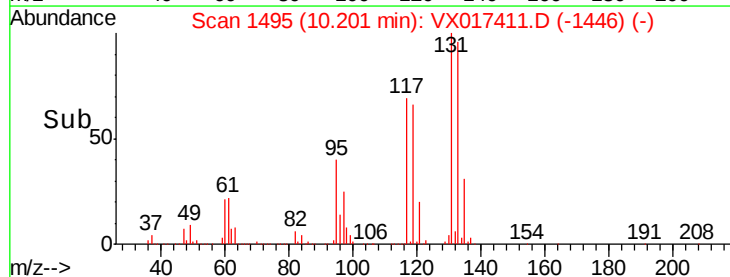
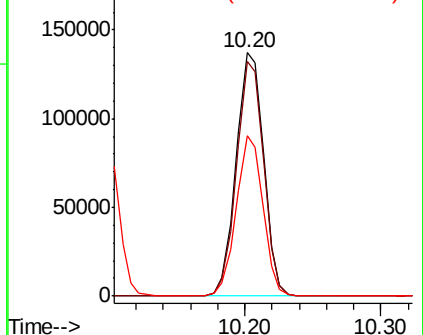
119 64.2 31.2 93.6

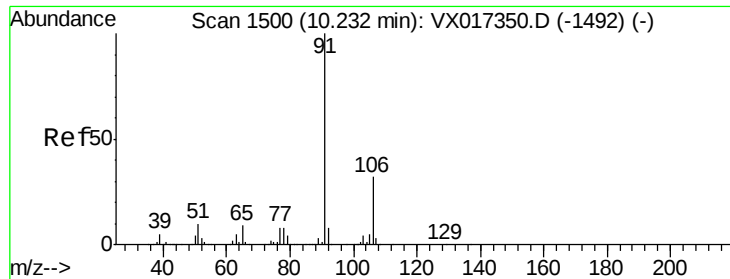


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





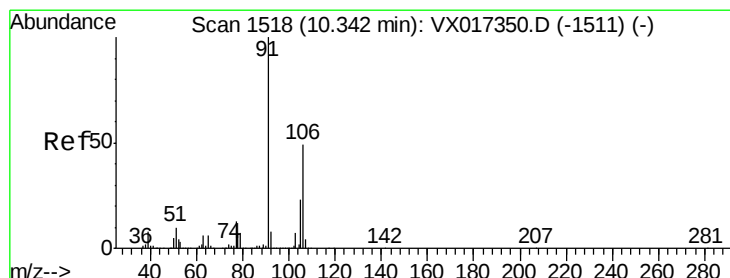
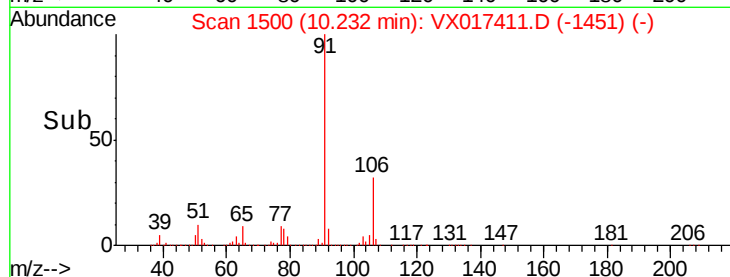
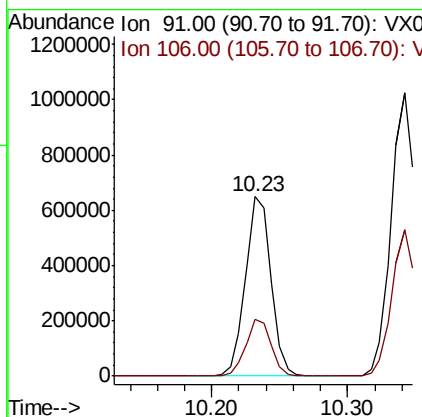
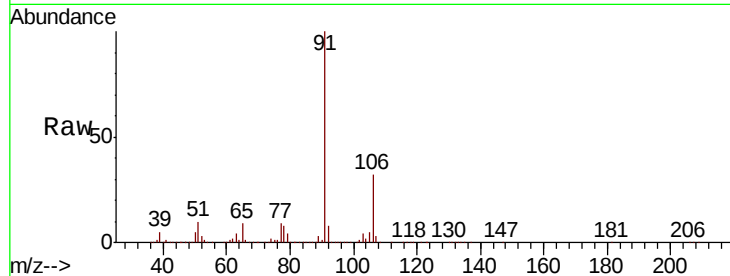
#67
Ethyl Benzene
Concen: 51.981 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 854073
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

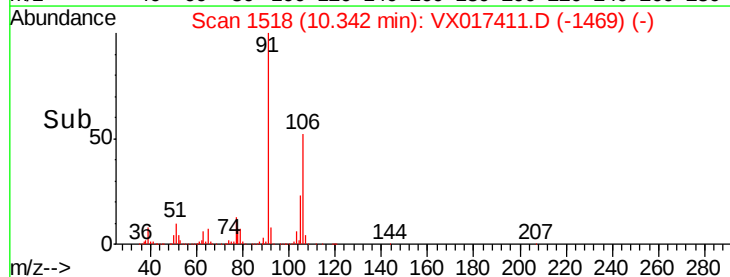
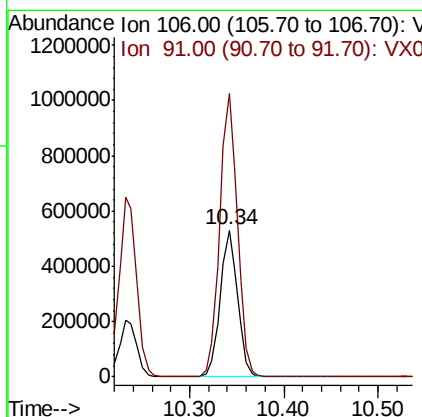
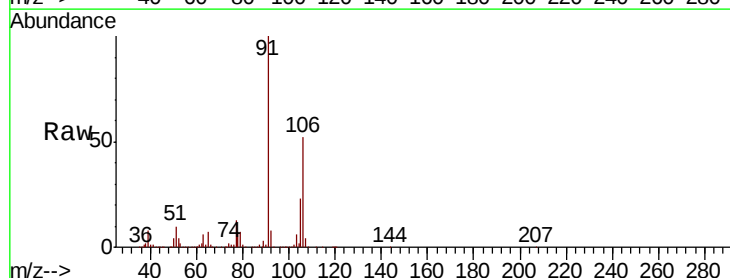
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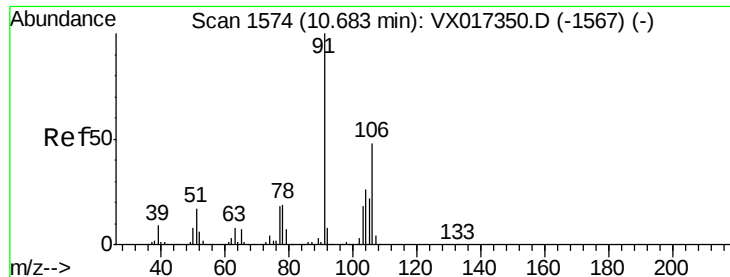
MMDadoda
7/20/2020 11:50:12 AM



#68
m/p-Xylenes
Concen: 108.388 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion: 106 Resp: 677583
Ion Ratio Lower Upper
106 100
91 197.0 162.5 243.7





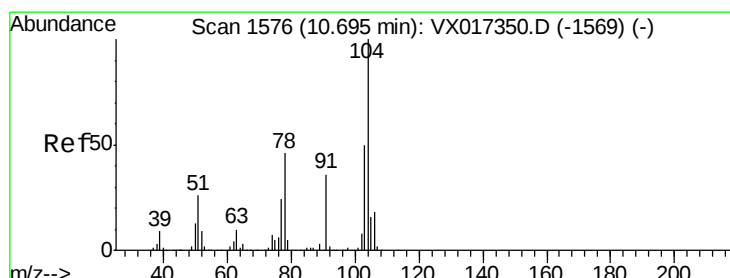
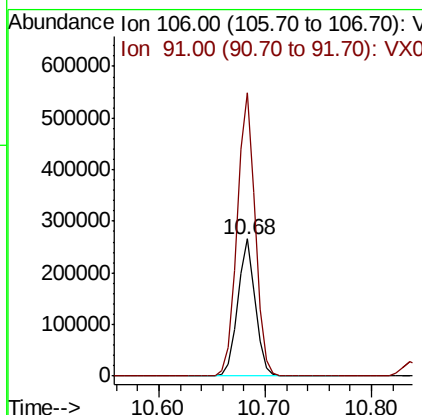
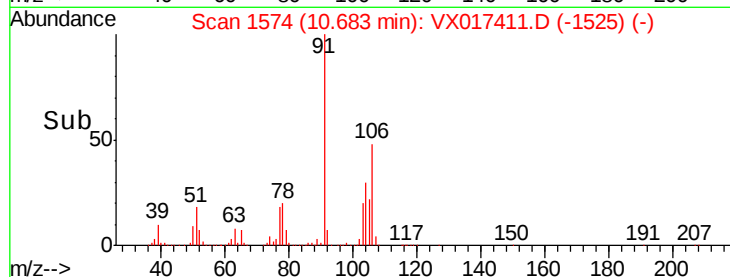
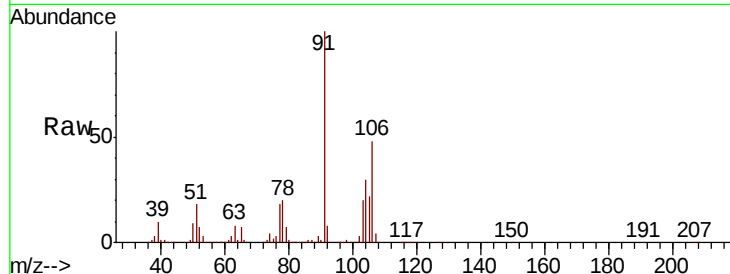
#69
o-Xylene
Concen: 51.506 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 307670
Ion Ratio Lower Upper
106 100
91 212.3 106.1 318.1

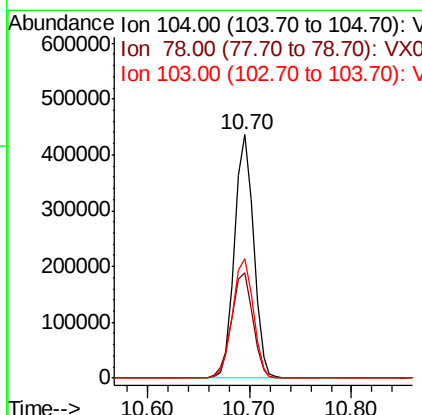
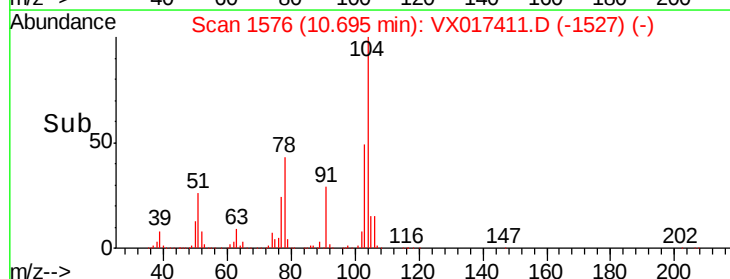
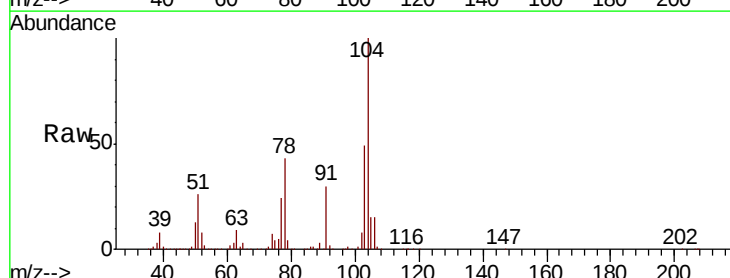
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7/20/2020 11:50:12 AM



#70
Styrene
Concen: 54.499 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion:104 Resp: 558821
Ion Ratio Lower Upper
104 100
78 48.9 40.8 61.2
103 53.6 43.3 64.9





#71

Bromoform

Concen: 47.444 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 157316

Ion Ratio Lower Upper

173 100

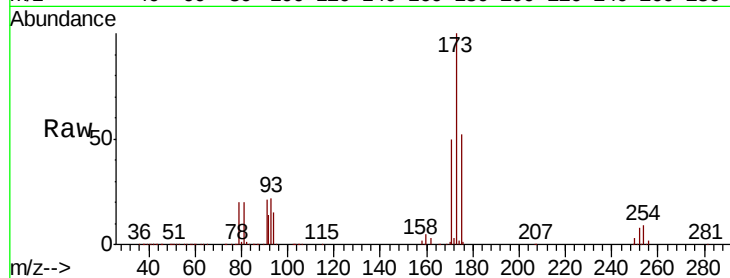
175 50.8 24.7 74.1

254 0.2 0.1 0.1#

Manual Integrations
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MMDadoda

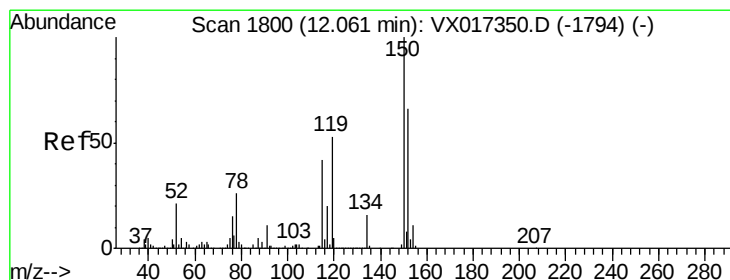
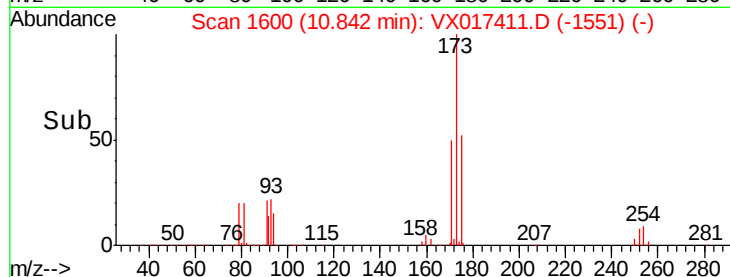
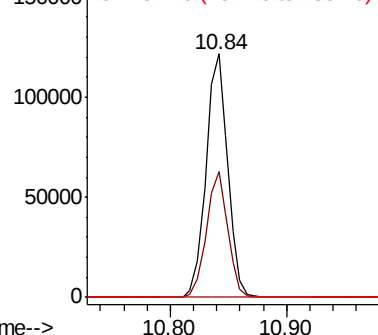
7/20/2020 11:50:12 AM



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: VX017411.D

Acq: 17 Jul 2020 11:06

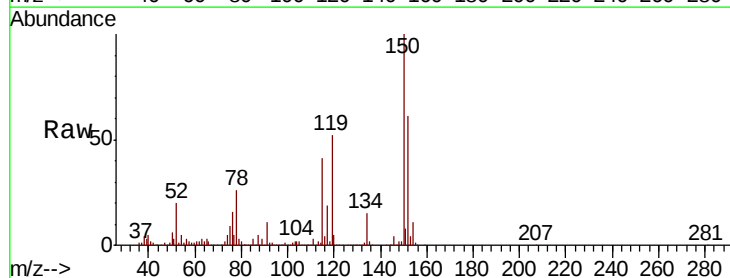
Tgt Ion:152 Resp: 261921

Ion Ratio Lower Upper

152 100

115 80.4 39.9 119.7

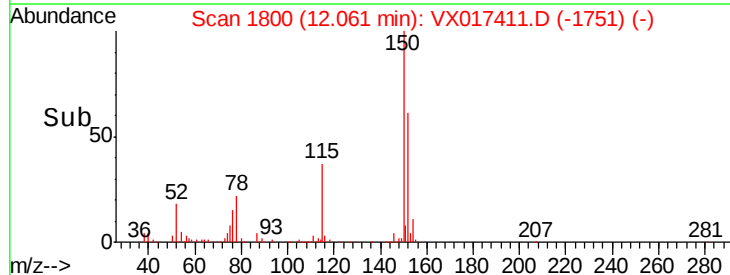
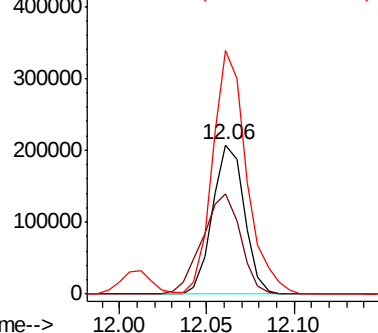
150 174.4 0.0 343.4

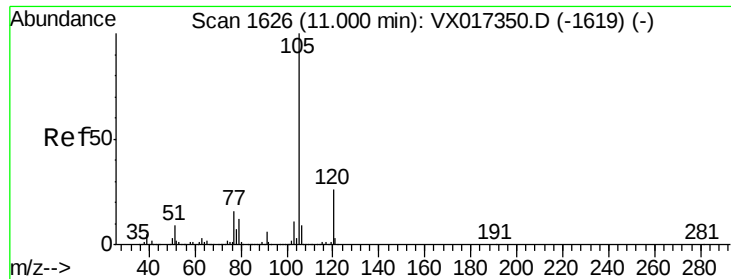


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.694 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 848763

Ion Ratio Lower Upper

105 100

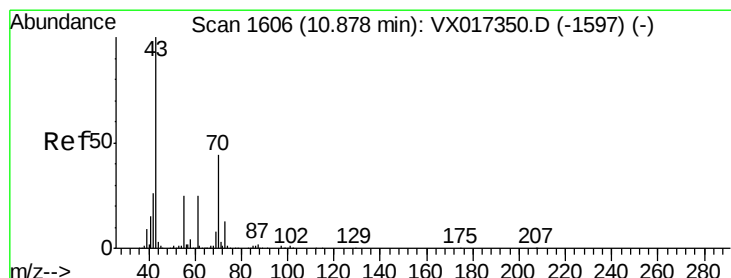
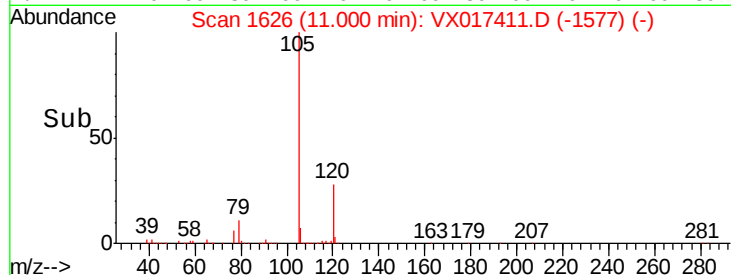
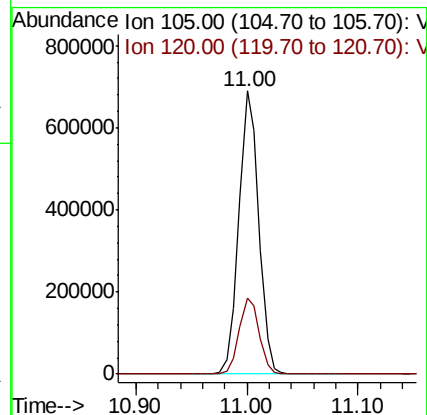
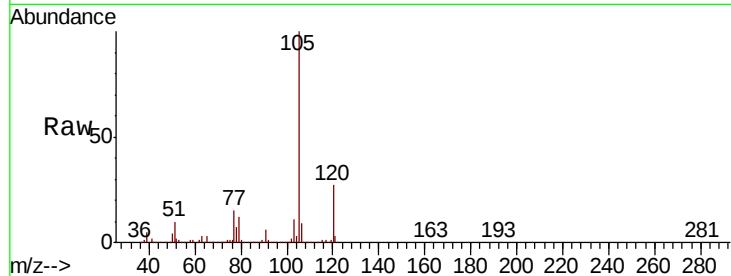
120 27.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 53.481 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion: 43 Resp: 351389

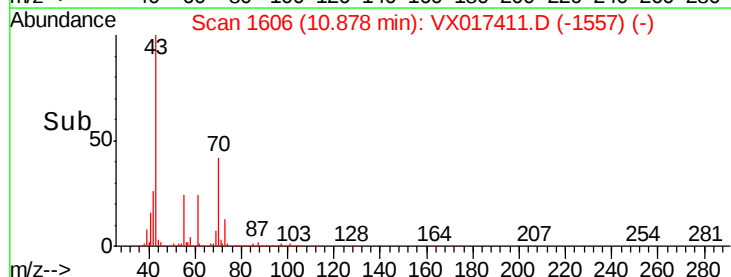
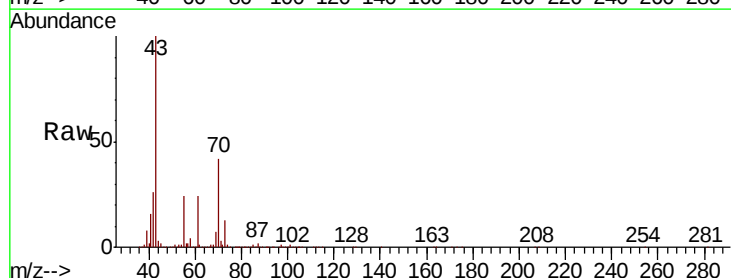
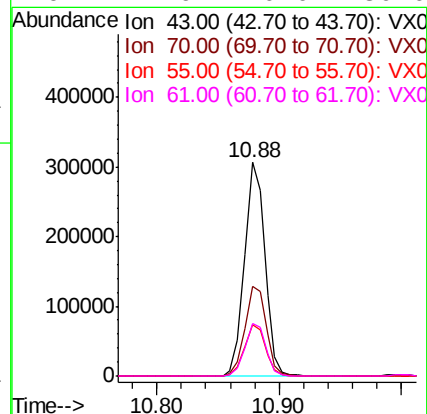
Ion Ratio Lower Upper

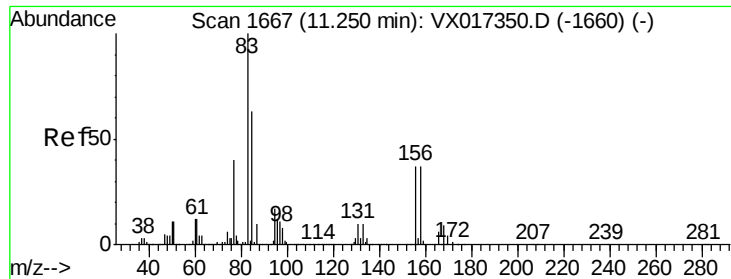
43 100

70 43.7 35.7 53.5

55 25.1 20.3 30.5

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.092 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

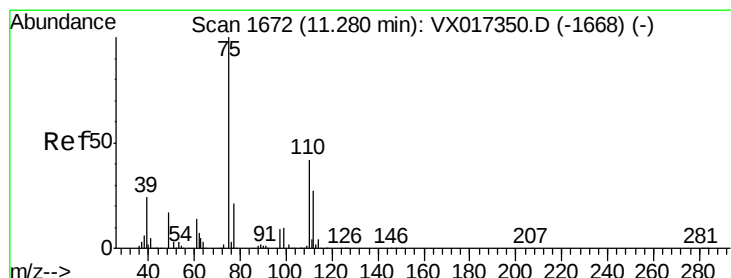
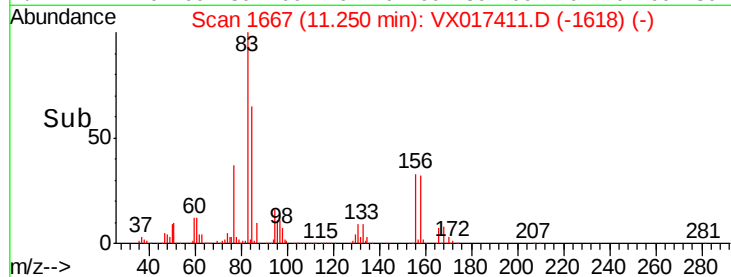
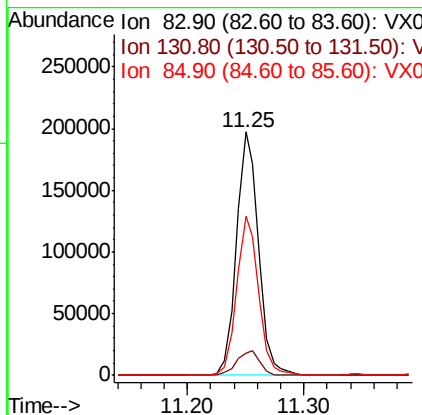
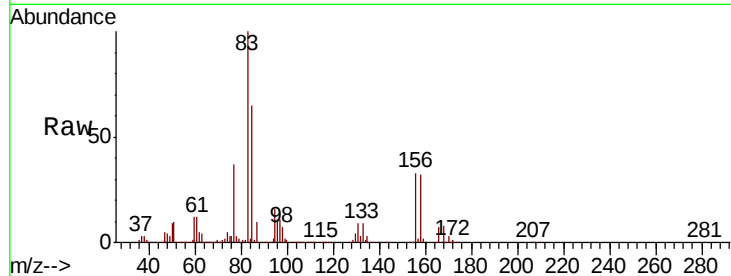
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	259689
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	65.4	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.494 ug/l m

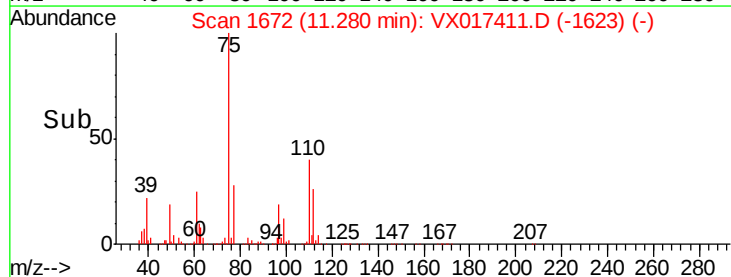
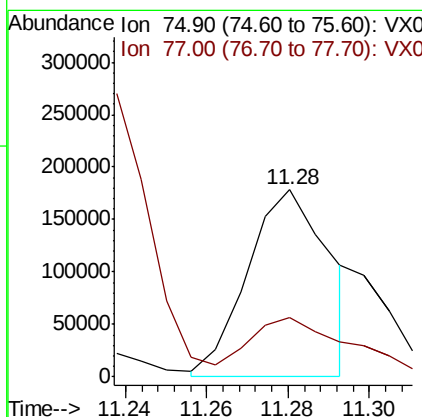
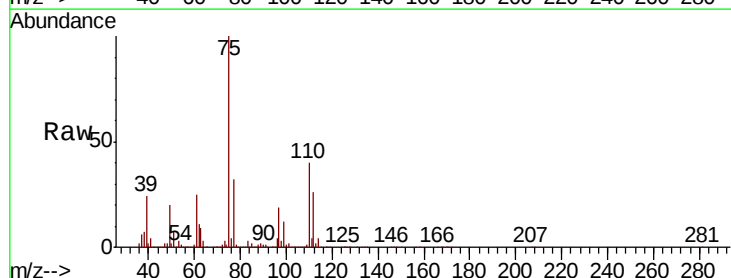
RT: 11.28 min Scan# 1672

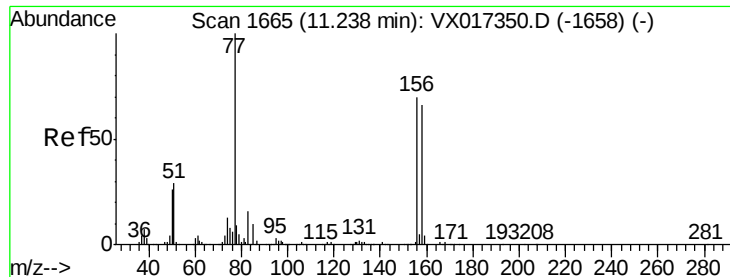
Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion:	75	Resp:	249223
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.3	60.9





#77

Bromobenzene

Concen: 47.165 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Instrument :

MSVOA_X

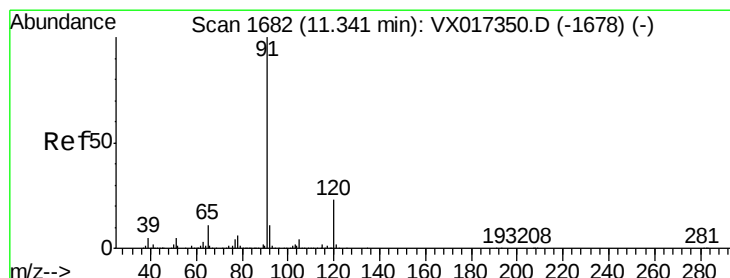
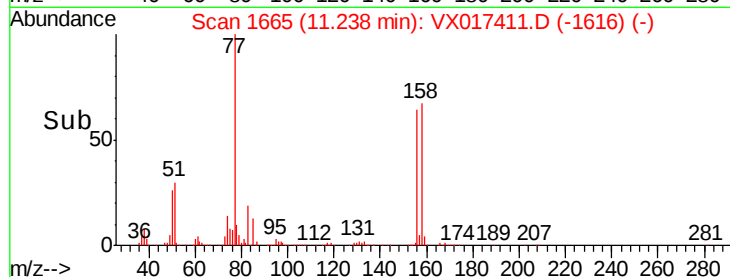
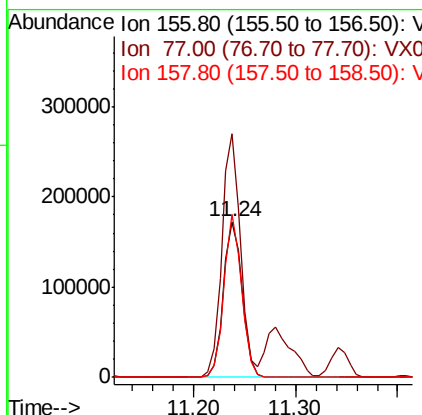
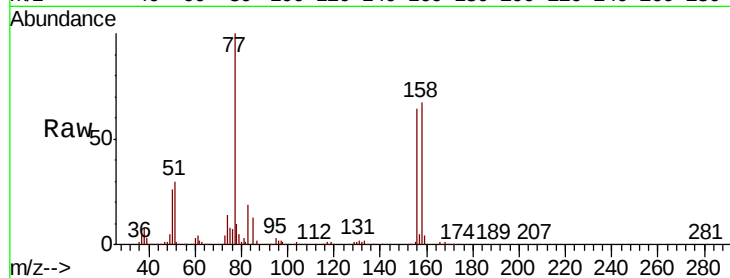
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	220559
Ion Ratio	Lower	Upper	
156	100		
77	155.2	72.1	216.3
158	98.5	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 54.365 ug/l

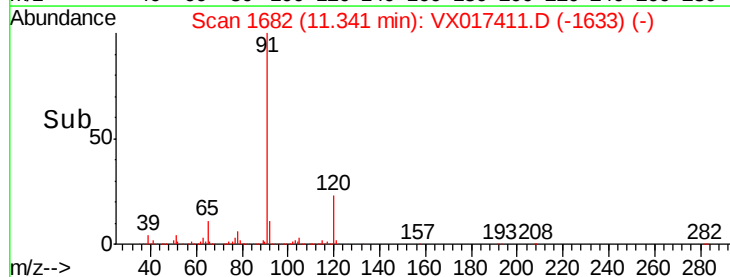
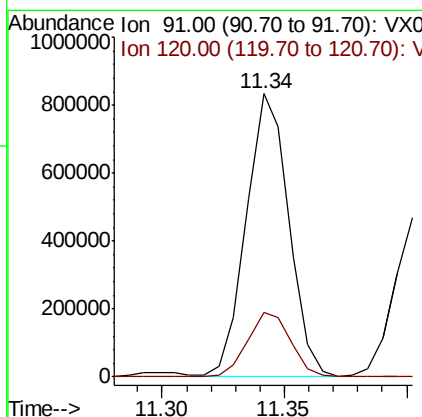
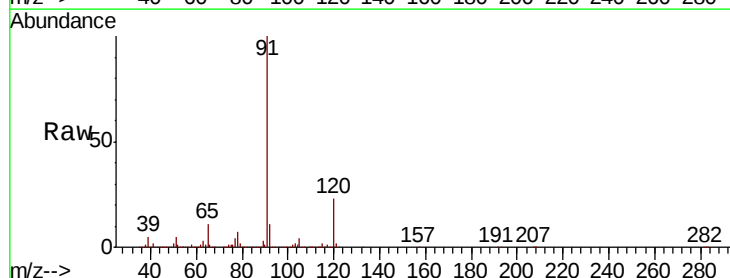
RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017411.D

Acq: 17 Jul 2020 11:06

Tgt Ion:	91	Resp:	1002483
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.9





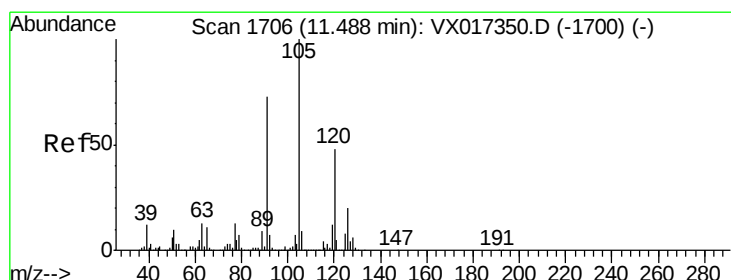
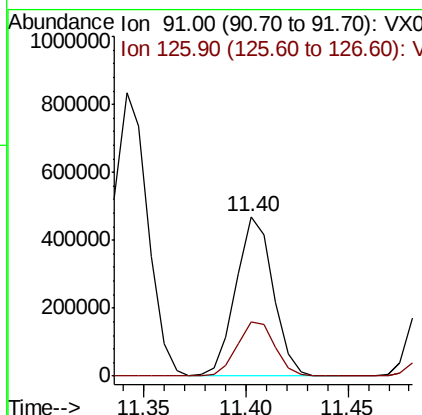
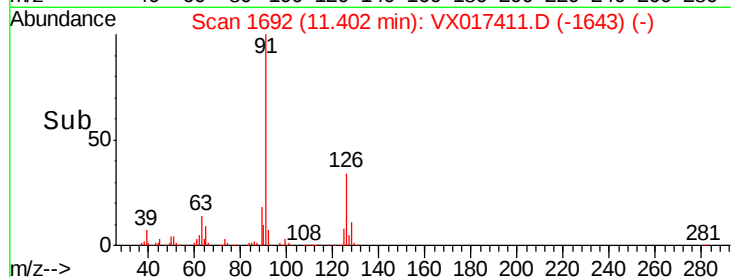
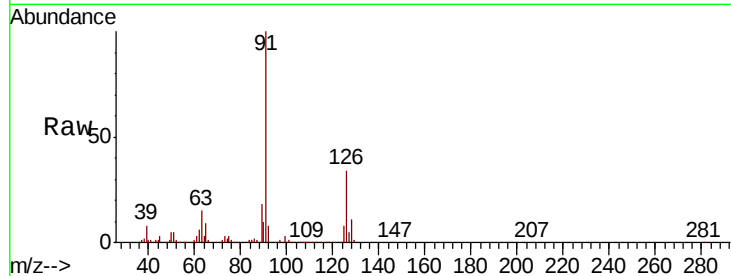
#79
2-Chlorotoluene
Concen: 52.000 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 590902
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3

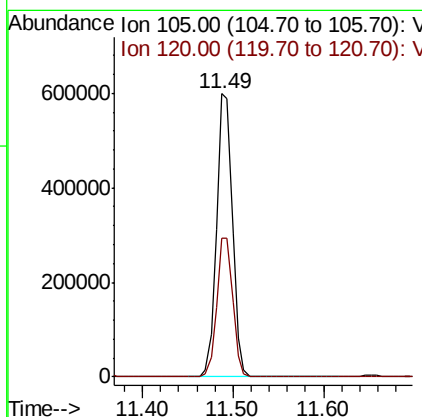
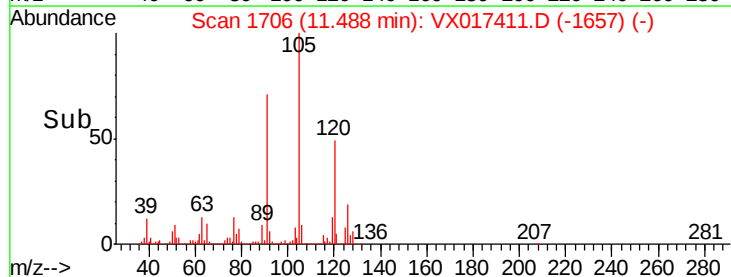
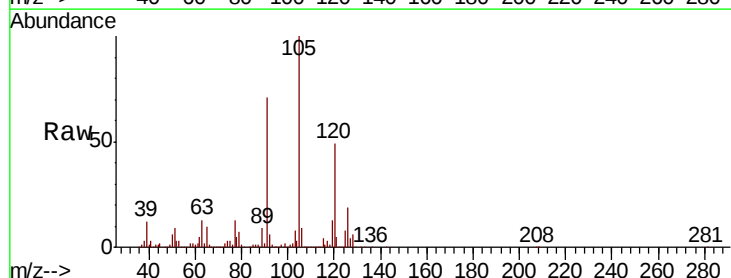
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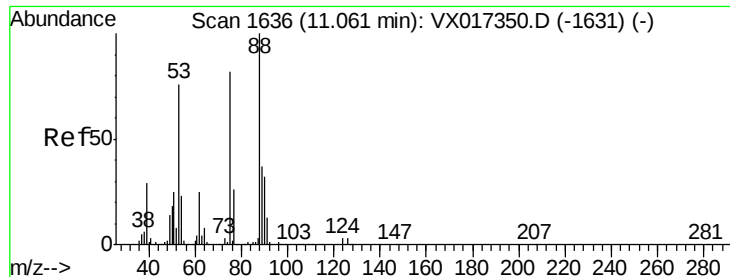
MMDadoda
7/20/2020 11:50:12 AM



#80
1,3,5-Trimethylbenzene
Concen: 52.795 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion: 105 Resp: 735826
Ion Ratio Lower Upper
105 100
120 49.5 24.8 74.4





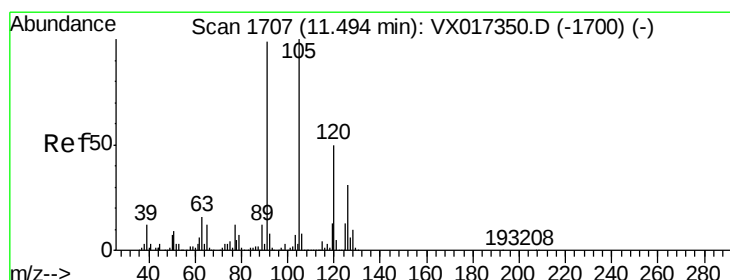
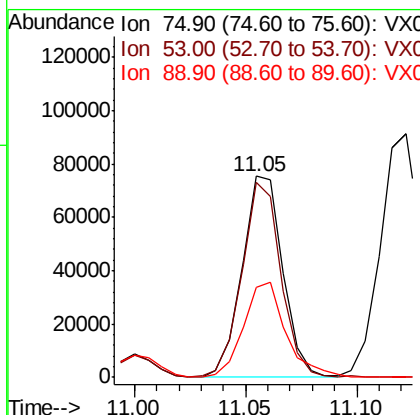
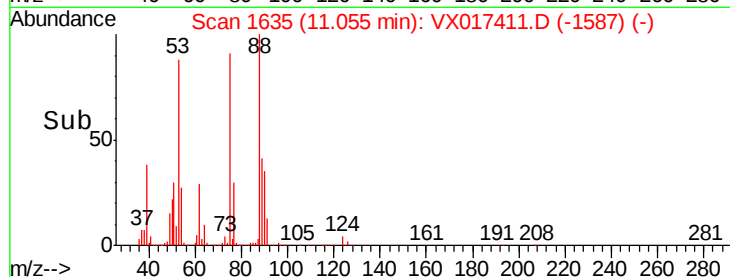
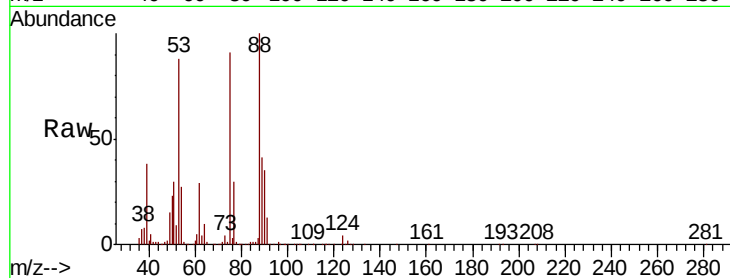
#81
trans-1,4-Dichloro-2-butene
Concen: 50.053 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	76.5	114.7
89	50.2	38.1	57.1

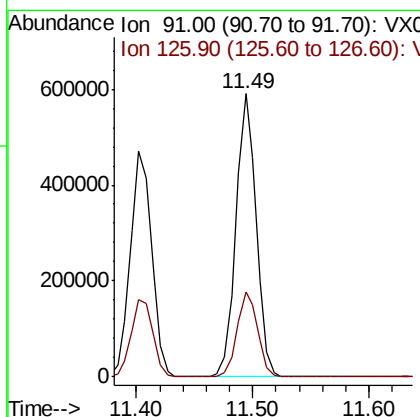
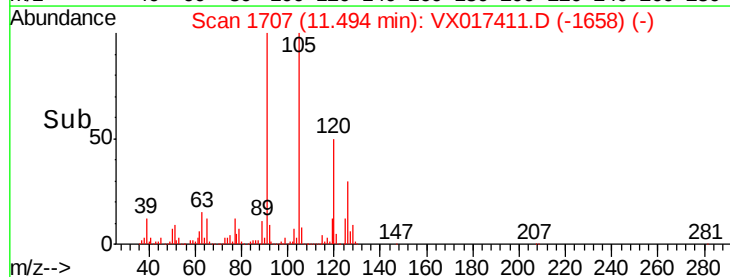
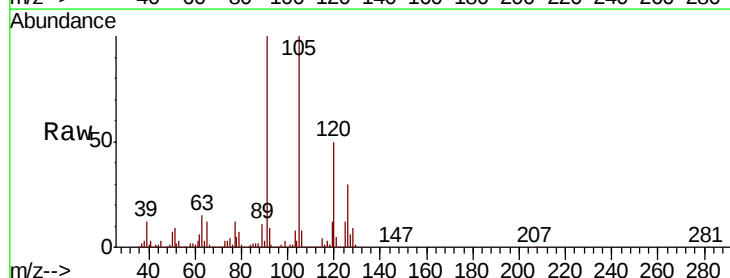
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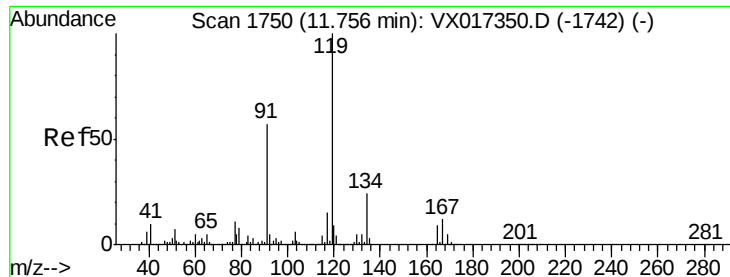
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.000 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.4	46.2





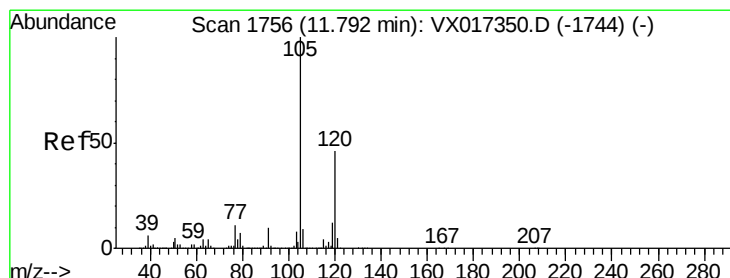
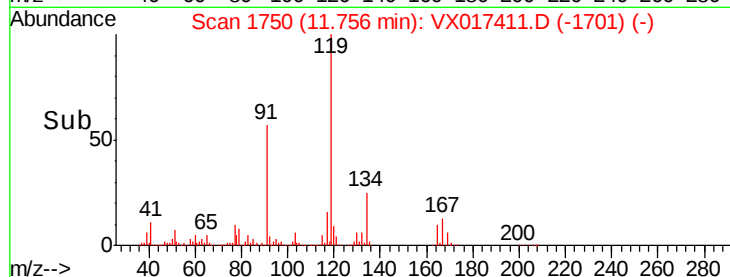
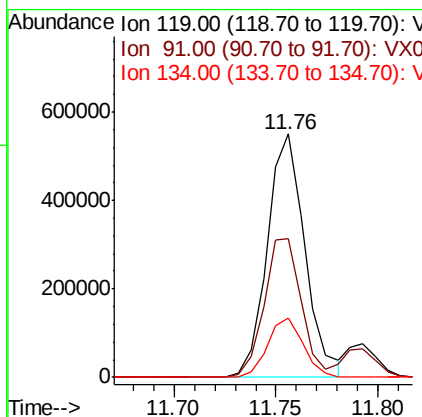
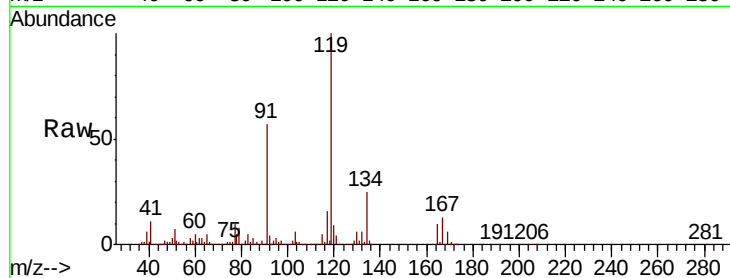
#83
tert-Butylbenzene
Concen: 52.426 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	706331		
91	56.1		28.5	85.6
134	23.3		11.9	35.9

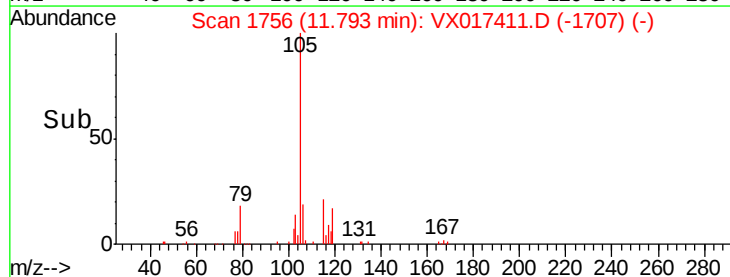
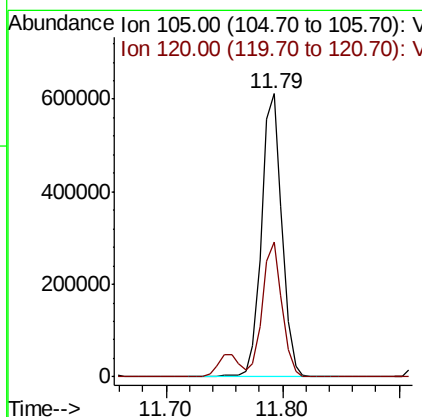
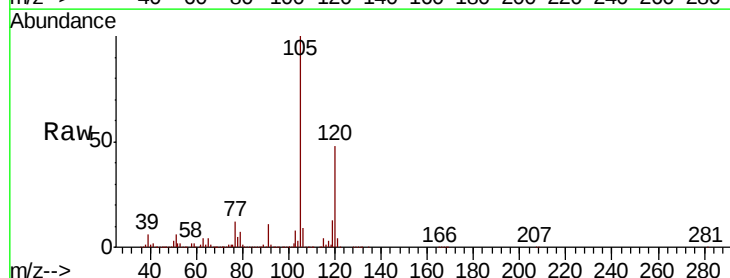
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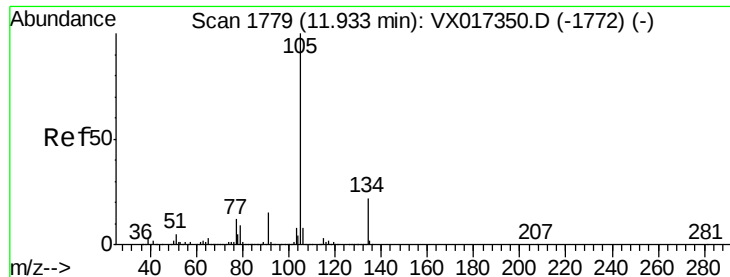
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#84
1,2,4-Trimethylbenzene
Concen: 52.716 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	742274		
120	45.9		22.8	68.4





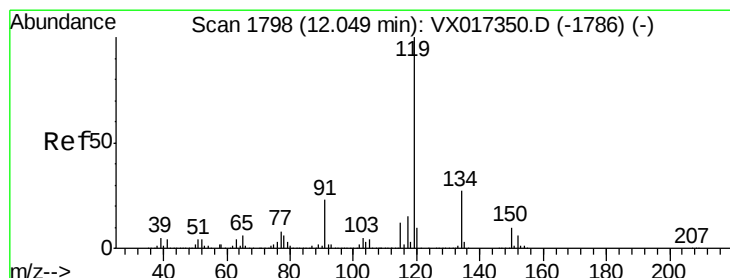
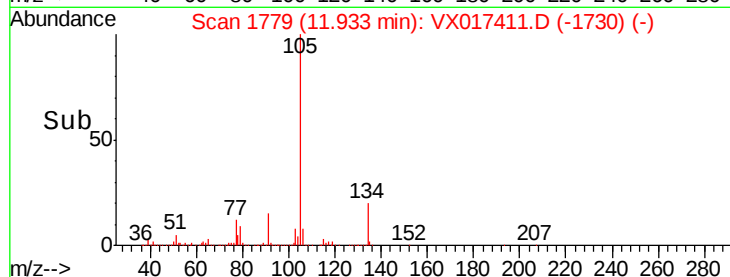
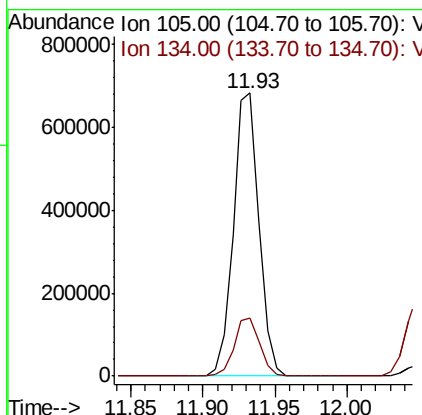
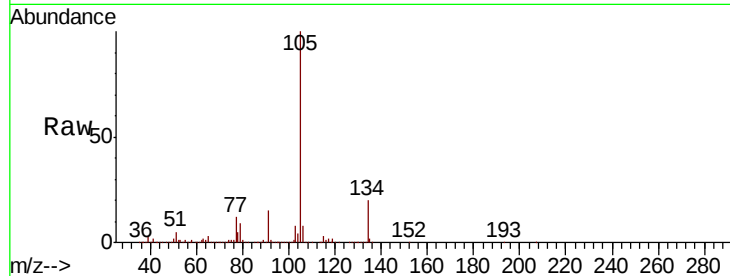
#85
 sec-Butylbenzene
 Concen: 53.559 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.5	31.5

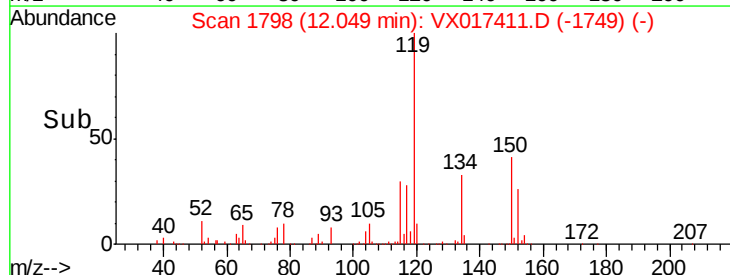
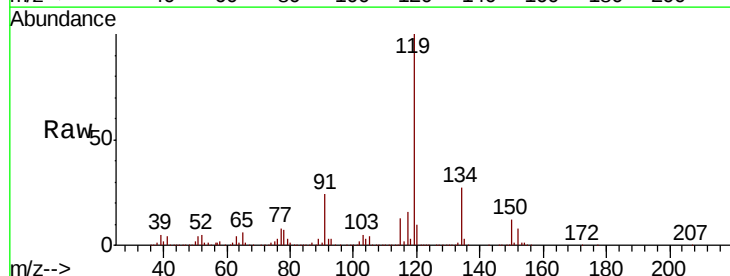
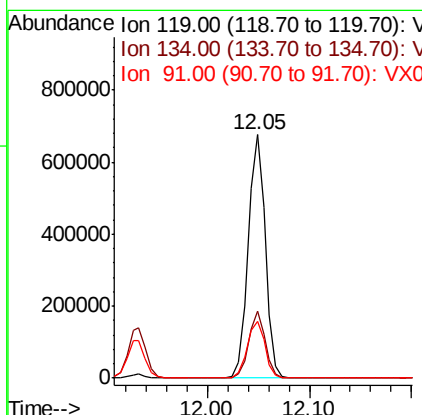
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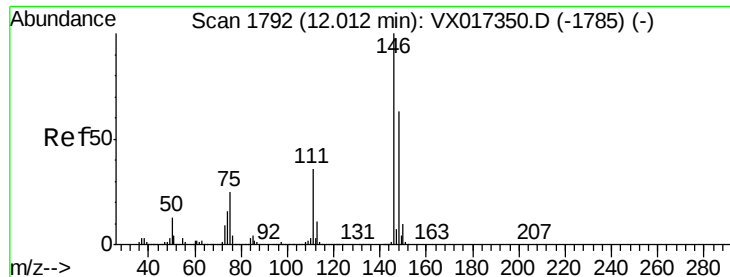
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 7/20/2020 11:50:12 AM



#86
 p-Isopropyltoluene
 Concen: 52.652 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.5
91	24.1	11.8	35.3





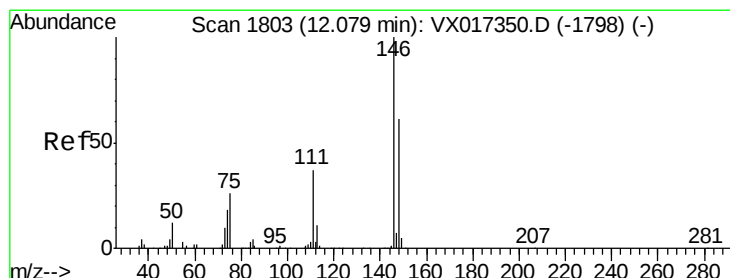
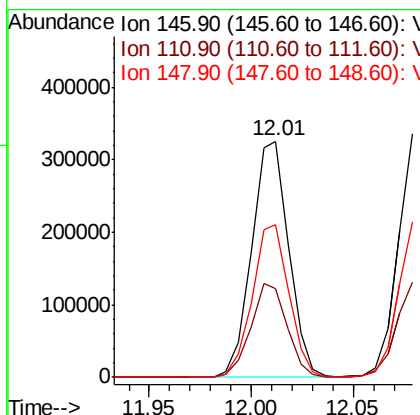
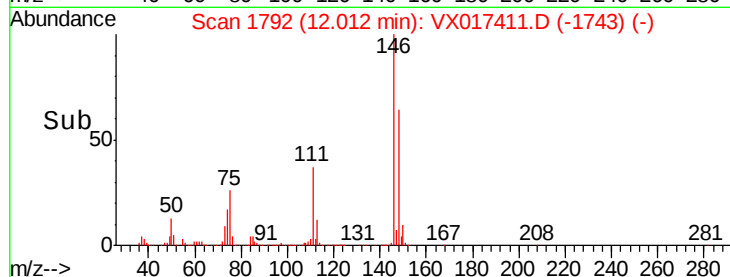
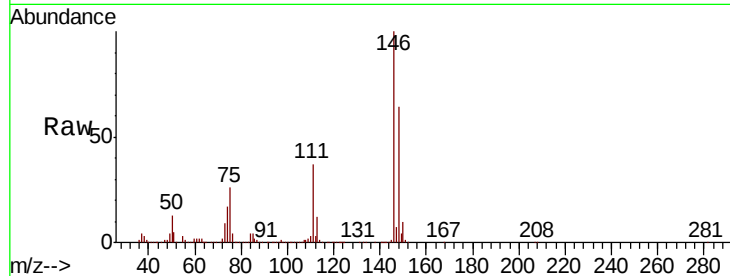
#87
 1,3-Dichlorobenzene
 Concen: 49.299 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	63.8	31.6	95.0

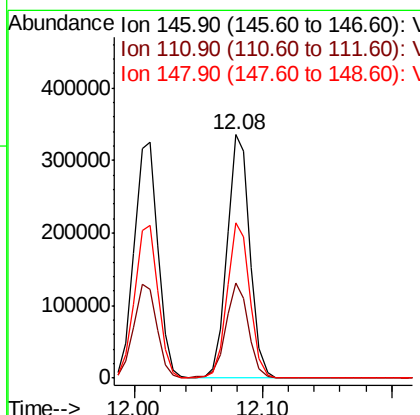
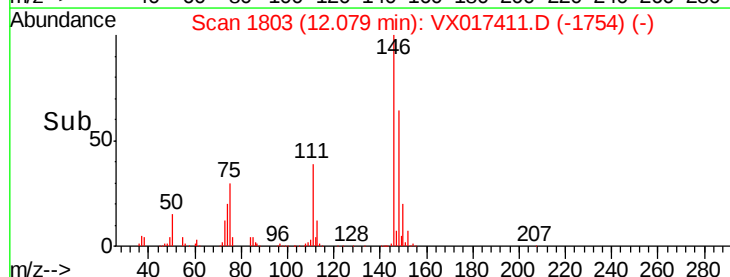
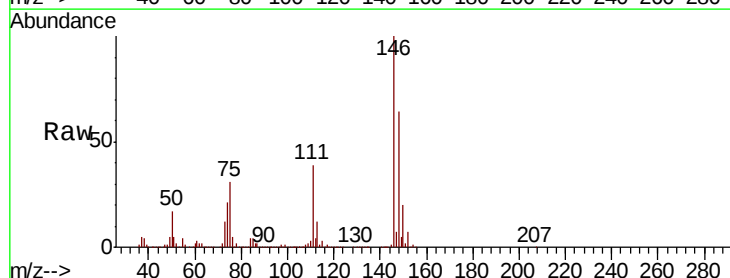
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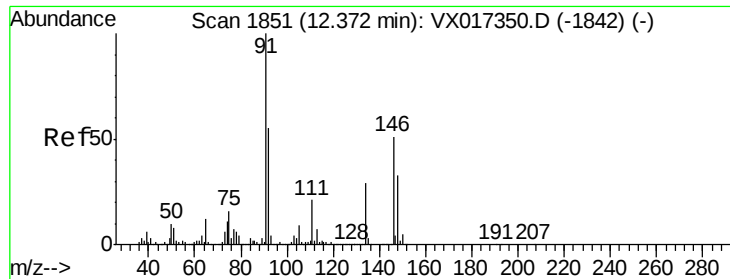
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#88
 1,4-Dichlorobenzene
 Concen: 49.057 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	63.6	31.9	95.9





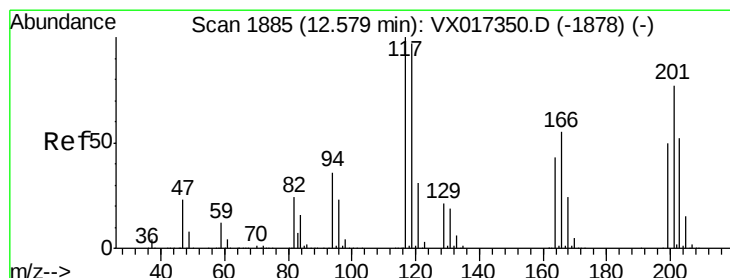
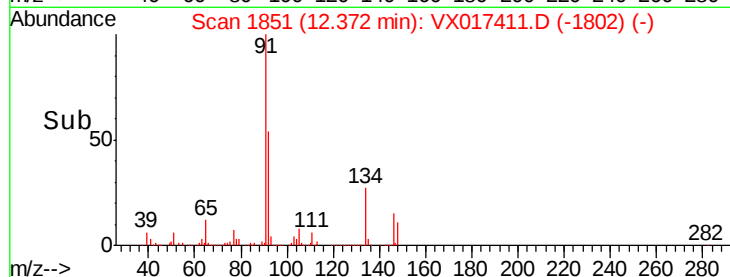
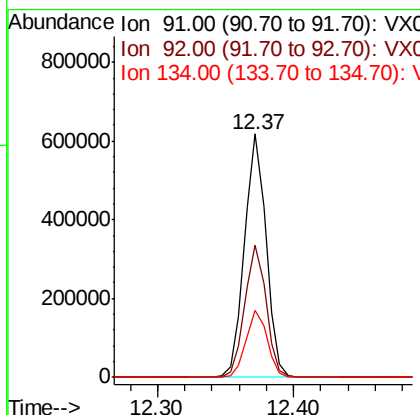
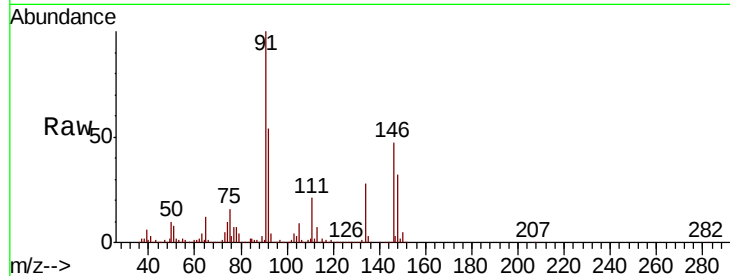
#89
n-Butylbenzene
Concen: 53.807 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	81.0
134	27.4	14.1	42.2

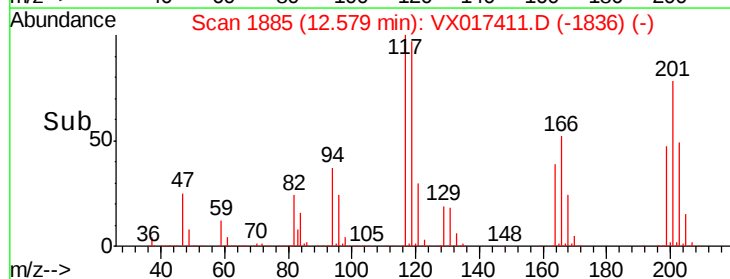
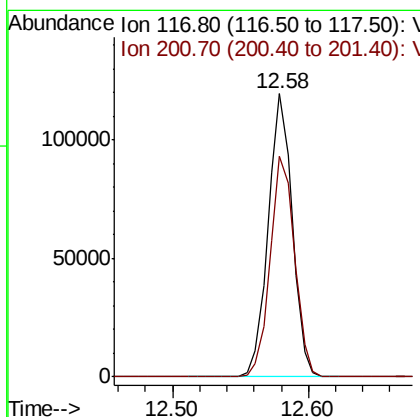
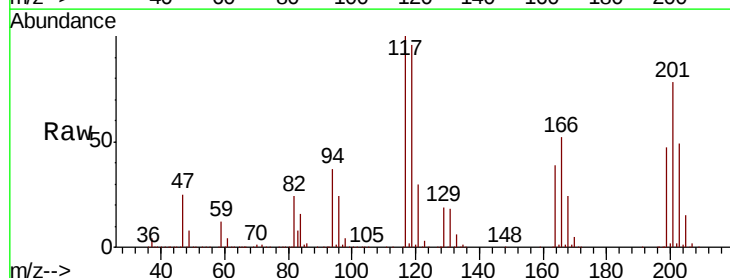
Manual Integrations
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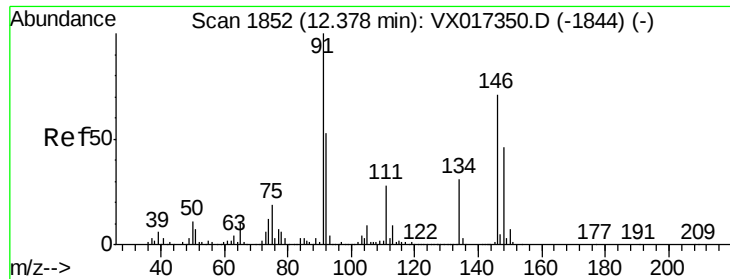
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#90
Hexachloroethane
Concen: 52.368 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	41.0	123.0





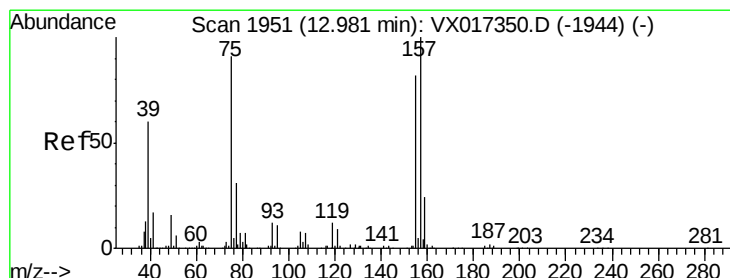
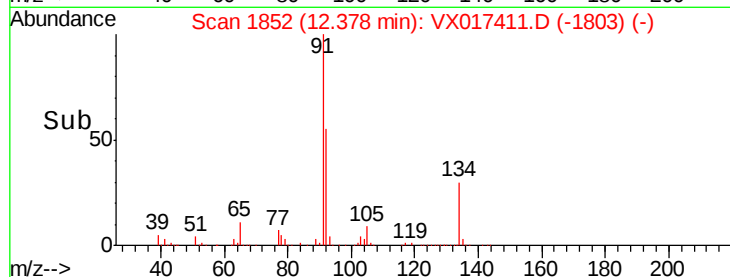
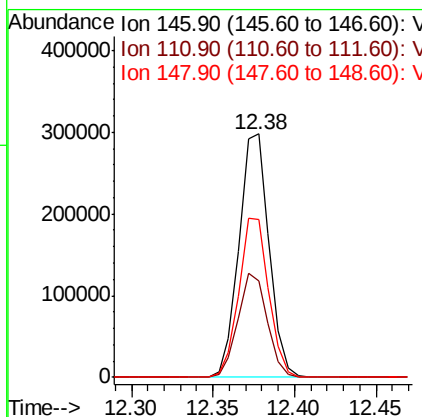
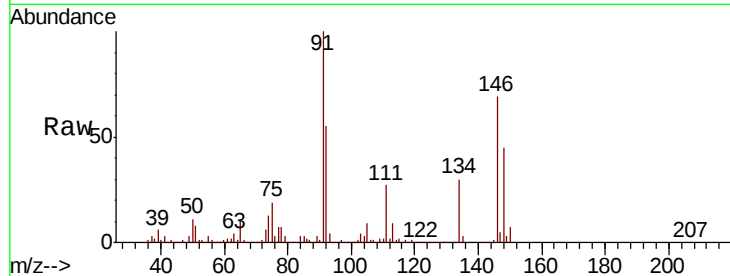
#91
 1,2-Dichlorobenzene
 Concen: 48.791 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.9	32.0	96.0

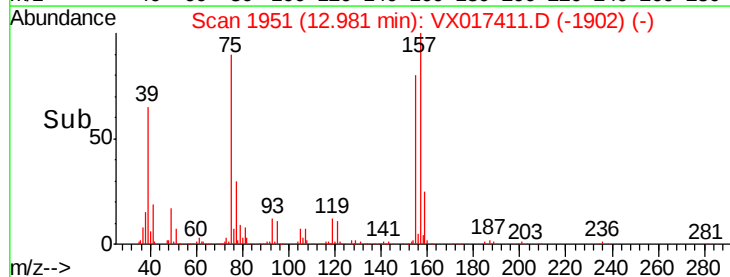
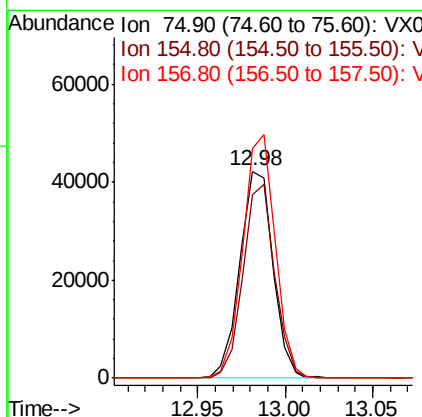
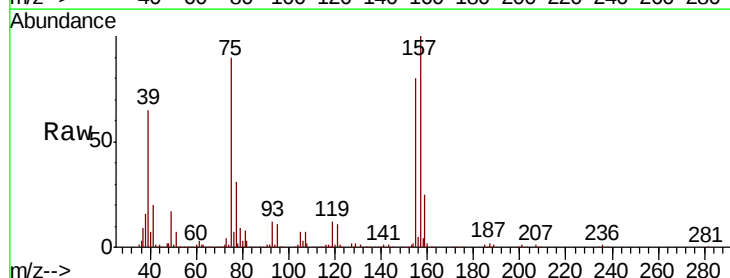
Manual Integrations
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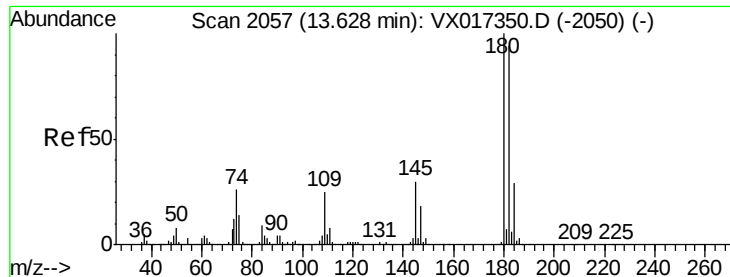
MMDadoda
 7/20/2020 11:50:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.481 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	46.5	139.3
157	113.9	58.0	173.9





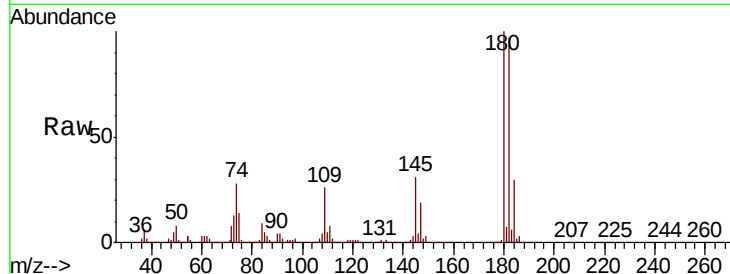
#93
 1,2,4-Trichlorobenzene
 Concen: 47.716 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260392		
182	94.3	48.4	145.0	
145	30.5	15.3	45.8	

Manual Integrations
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MMDadoda
 7/20/2020 11:50:12 AM

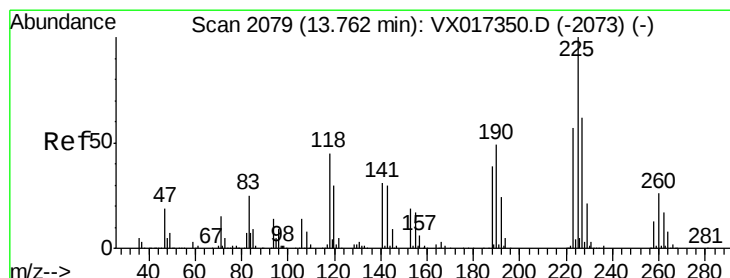
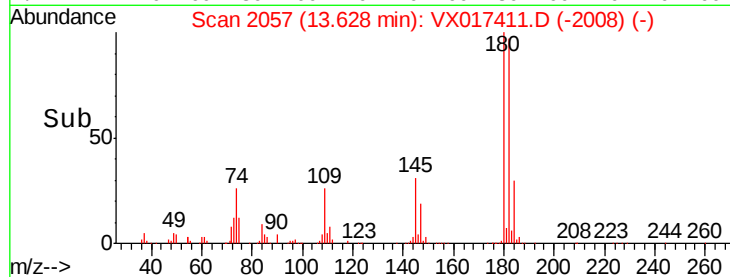
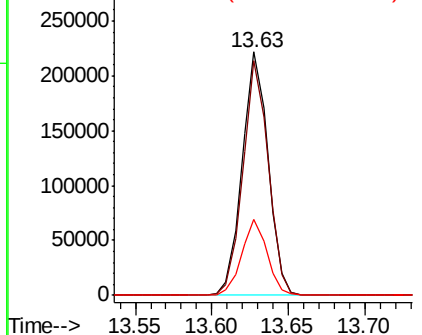


Abundance

Ion 179.80 (179.50 to 180.50): V

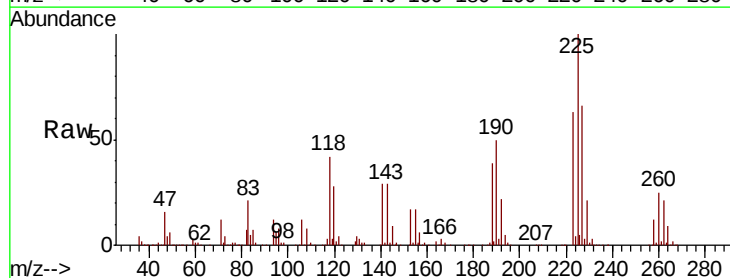
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.627 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017411.D
 Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101542		
223	65.3	31.3	93.8	
227	66.2	31.6	95.0	

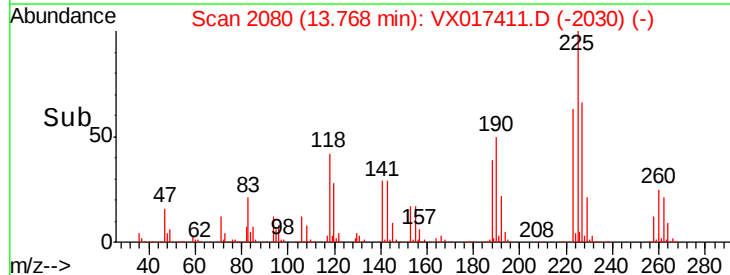
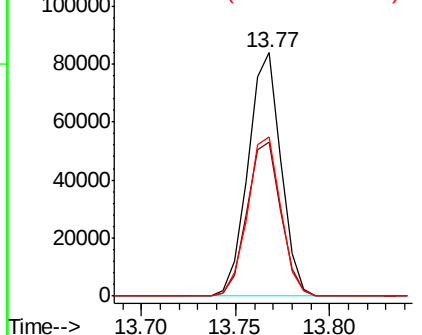


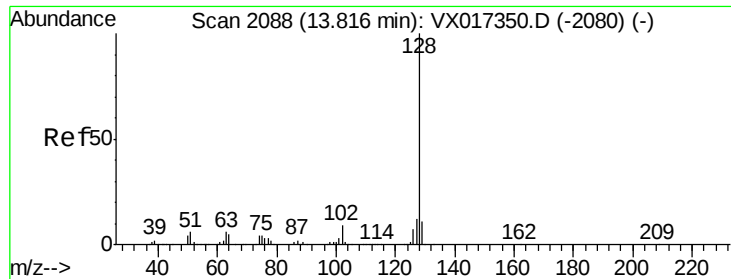
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





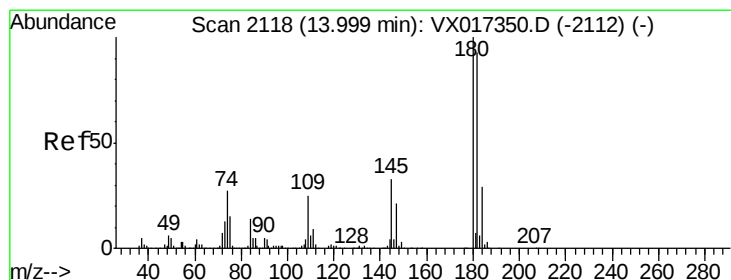
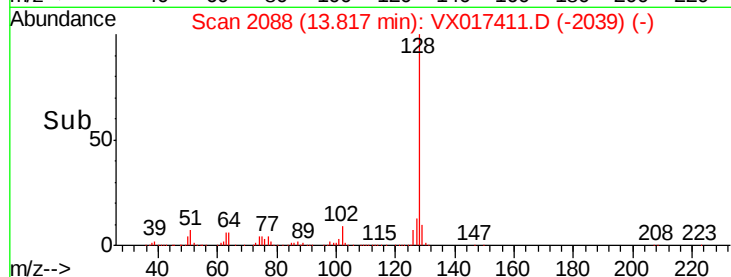
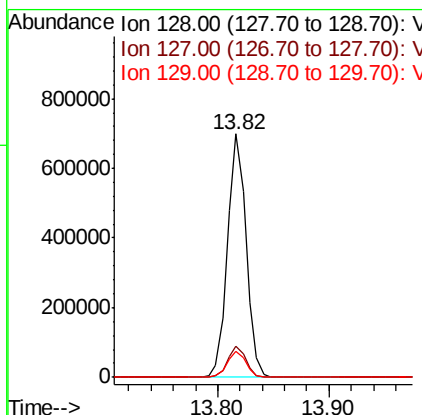
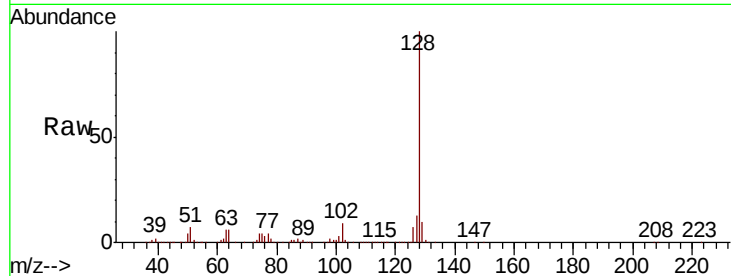
#95
Naphthalene
Concen: 50.423 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.070 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017411.D
Acq: 17 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.8	146.3
145	31.9	16.6	49.7

