

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012141.D
 Acq On : 06 Sep 2019 11:14
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 9/6/2019 3:55:21 PM

Quant Time: Sep 06 11:52:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	113667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	93595	59.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.36%	
35) Dibromofluoromethane	5.48	113	71425	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	8.71	98	266201	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	11.14	95	116374	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46958	44.799	ug/l	99
3) Chloromethane	1.31	50	56236	52.386	ug/l	100
4) Vinyl Chloride	1.39	62	52418	51.900	ug/l	97
5) Bromomethane	1.62	94	27741	55.369	ug/l	96
6) Chloroethane	1.71	64	33781	53.803	ug/l	99
7) Trichlorofluoromethane	1.92	101	77394	49.337	ug/l	99
8) Diethyl Ether	2.17	74	30358	56.001	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54294	46.729	ug/l #	83
10) Methyl Iodide	2.50	142	35771	33.147	ug/l	91
11) Tert butyl alcohol	3.03	59	38416	255.013	ug/l	97
12) 1,1-Dichloroethene	2.36	96	55800	49.854	ug/l	88
13) Acrolein	2.28	56	1236	Below Cal	#	74
14) Allyl chloride	2.72	41	103664	51.185	ug/l	97
15) Acrylonitrile	3.12	53	92714	272.173	ug/l	99
16) Acetone	2.43	43	80874	215.735	ug/l	96
17) Carbon Disulfide	2.56	76	168283	51.446	ug/l	100
18) Methyl Acetate	2.76	43	63861	72.314	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	196844	54.020	ug/l	100
20) Methylene Chloride	2.84	84	73710	48.965	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	68349	52.038	ug/l	92
22) Diisopropyl ether	3.84	45	221475	53.651	ug/l	97
23) Vinyl Acetate	3.80	43	630207	235.998	ug/l	97
24) 1,1-Dichloroethane	3.68	63	127066	53.073	ug/l	97
25) 2-Butanone	4.65	43	125636	263.283	ug/l	95
26) 2,2-Dichloropropane	4.57	77	78337	35.440	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	81286	52.796	ug/l	95
28) Bromochloromethane	5.00	49	53087	55.548	ug/l #	77
29) Tetrahydrofuran	5.11	42	79483	276.456	ug/l	99
30) Chloroform	5.20	83	136617	53.180	ug/l	98
31) Cyclohexane	5.56	56	88518	46.035	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	116655	52.138	ug/l	96
36) 1,1-Dichloropropene	5.79	75	91280	46.130	ug/l	96
37) Ethyl Acetate	4.82	43	54927	51.047	ug/l	99
38) Carbon Tetrachloride	5.77	117	96455	46.260	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	93419	40.677	ug/l	91
40) Benzene	6.13	78	278365	49.003	ug/l	98
41) Methacrylonitrile	5.03	41	33836	52.730	ug/l	97
42) 1,2-Dichloroethane	6.18	62	108293	52.974	ug/l	96
43) Isopropyl Acetate	6.43	43	112695	51.508	ug/l	97
44) Trichloroethene	7.20	130	74026	48.314	ug/l	85
45) 1,2-Dichloropropane	7.51	63	72286	49.252	ug/l	97
46) Dibromomethane	7.65	93	43810	51.134	ug/l #	73
47) Bromodichloromethane	7.89	83	108023	49.602	ug/l	99
48) Methyl methacrylate	7.76	41	56925	51.745	ug/l	96
49) 1,4-Dioxane	7.73	88	15420	1028.221	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	289015	259.705	ug/l	97
52) Toluene	8.78	92	178191	48.211	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	99280	44.033	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112026	44.681	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	60262	49.198	ug/l	98
56) Ethyl methacrylate	9.17	69	86806	49.476	ug/l	93
57) 1,3-Dichloropropane	9.37	76	106487	50.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	196092	247.905	ug/l	93
59) 2-Hexanone	9.48	43	199379	245.532	ug/l	97
60) Dibromochloromethane	9.57	129	72612	49.740	ug/l	99
61) 1,2-Dibromoethane	9.67	107	58869	49.737	ug/l	99
64) Tetrachloroethene	9.33	164	72625	56.205	ug/l #	87
65) Chlorobenzene	10.14	112	196960	48.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	73704	49.292	ug/l	97
67) Ethyl Benzene	10.25	91	350681	47.045	ug/l	96
68) m/p-Xylenes	10.36	106	255104	92.887	ug/l	89
69) o-Xylene	10.70	106	125642	47.178	ug/l	90
70) Styrene	10.71	104	224588	48.552	ug/l	95
71) Bromoform	10.86	173	39081	47.586	ug/l #	97
73) Isopropylbenzene	11.01	105	341824	46.721	ug/l	96
74) N-amyl acetate	10.89	43	94745	43.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	72070	47.251	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	65148m	53.472	ug/l	
77) Bromobenzene	11.25	156	79260	48.439	ug/l	68
78) n-propylbenzene	11.35	91	403211	45.618	ug/l	93
79) 2-Chlorotoluene	11.42	91	252144	47.087	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	305094	47.585	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	17646	34.241	ug/l	88
82) 4-Chlorotoluene	11.51	91	301426	47.227	ug/l	91
83) tert-Butylbenzene	11.76	119	266879	43.672	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	308947	46.884	ug/l	93
85) sec-Butylbenzene	11.94	105	336895	44.385	ug/l	94
86) p-Isopropyltoluene	12.06	119	292651	42.396	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	154537	47.132	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	155838	47.534	ug/l	94
89) n-Butylbenzene	12.39	91	292845	43.672	ug/l	96
90) Hexachloroethane	12.59	117	60595	43.964	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	142555	48.275	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15202	47.629	ug/l	65

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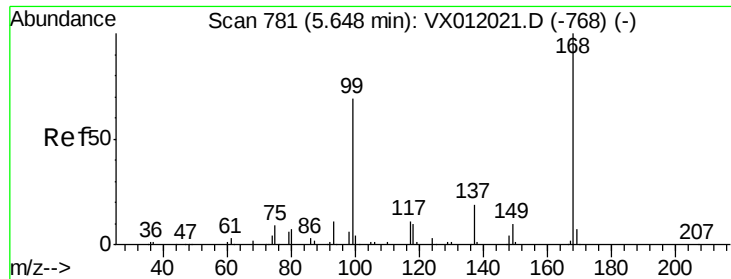
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	94295	44.864	ug/l	95
94) Hexachlorobutadiene	13.78	225	46053	43.467	ug/l	98
95) Naphthalene	13.83	128	211320	46.455	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	84348	45.615	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 113667

Ion Ratio Lower Upper

168 100

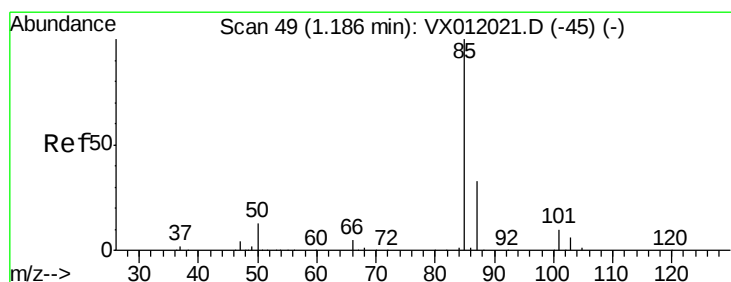
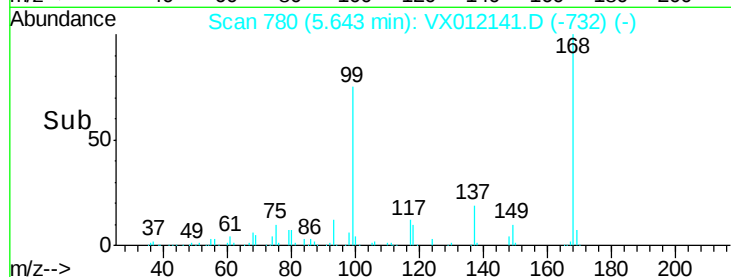
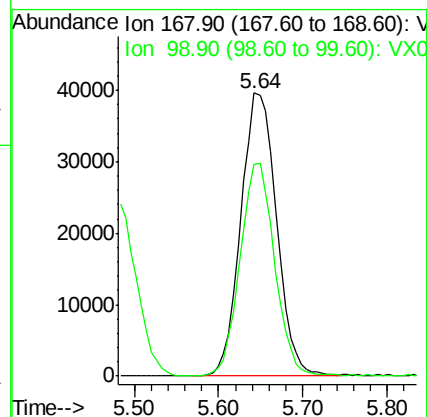
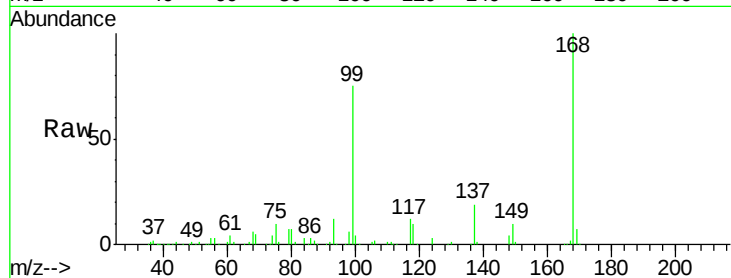
99 74.6 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.799 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012141.D

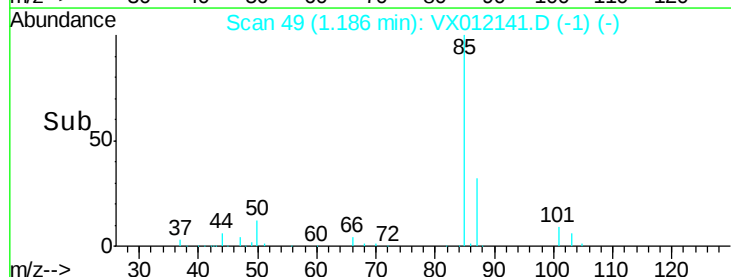
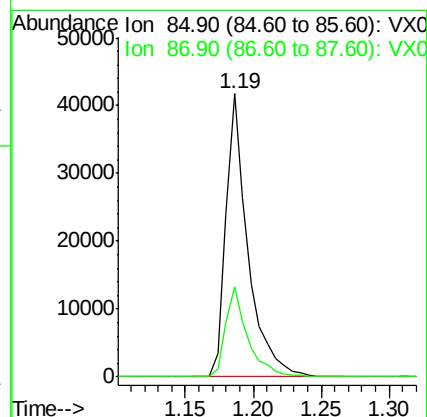
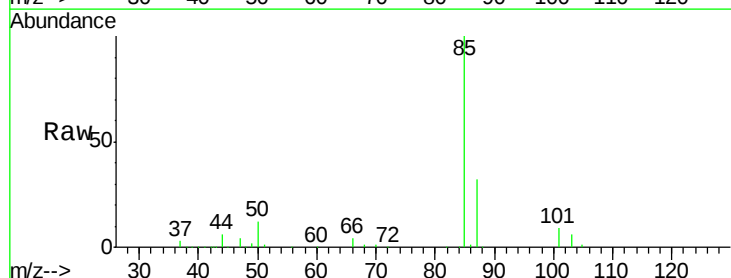
Acq: 06 Sep 2019 11:14

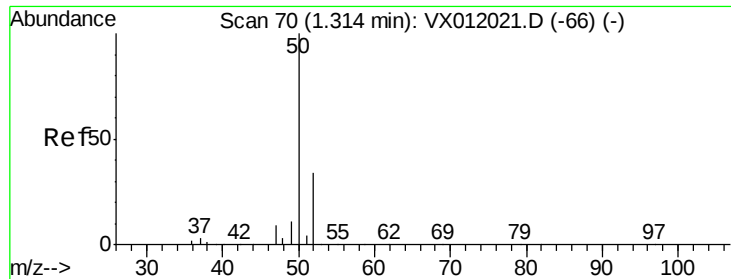
Tgt Ion: 85 Resp: 46958

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8





#3

Chloromethane

Concen: 52.386 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 56236

Ion Ratio Lower Upper

50 100

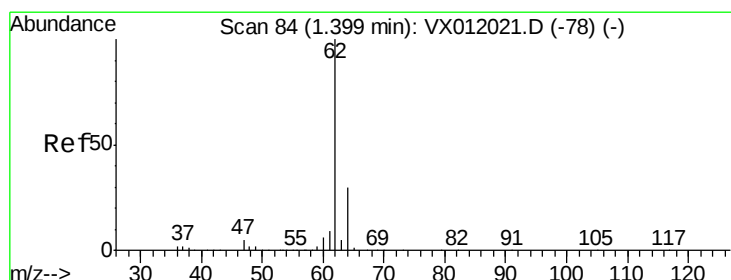
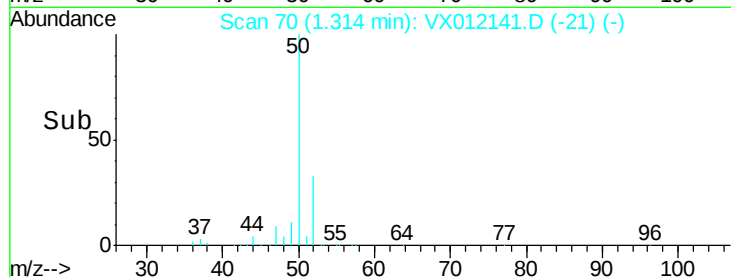
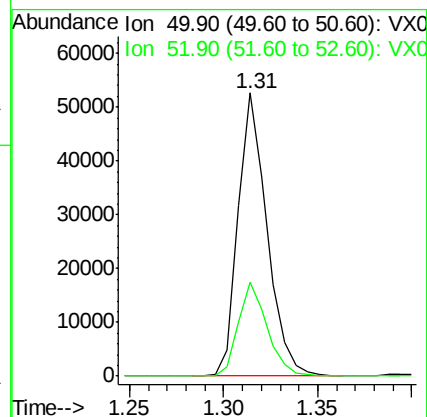
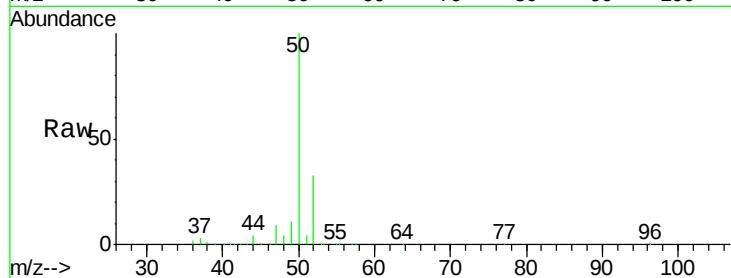
52 33.4 26.5 39.7

Manual Integrations

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9/6/2019 3:55:21 PM



#4

Vinyl Chloride

Concen: 51.900 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012141.D

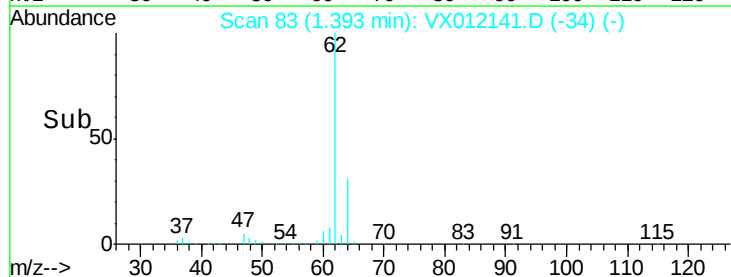
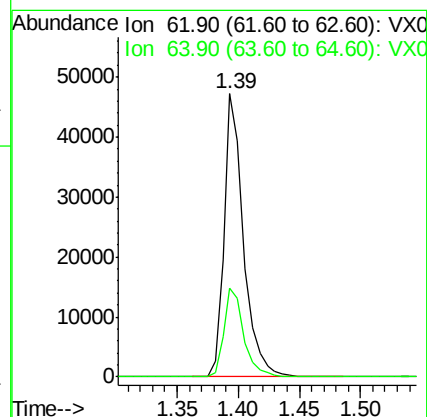
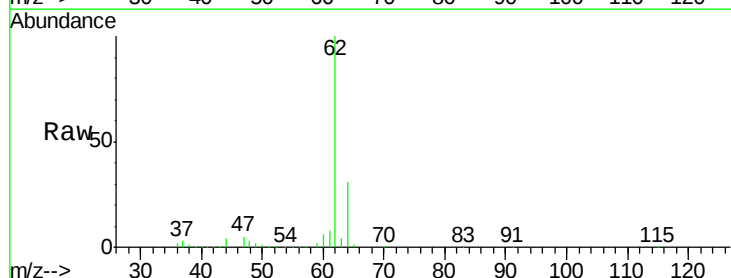
Acq: 06 Sep 2019 11:14

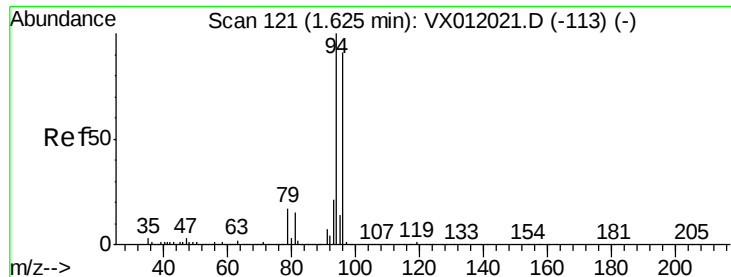
Tgt Ion: 62 Resp: 52418

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4





#5

Bromomethane

Concen: 55.369 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 27741

Ion Ratio Lower Upper

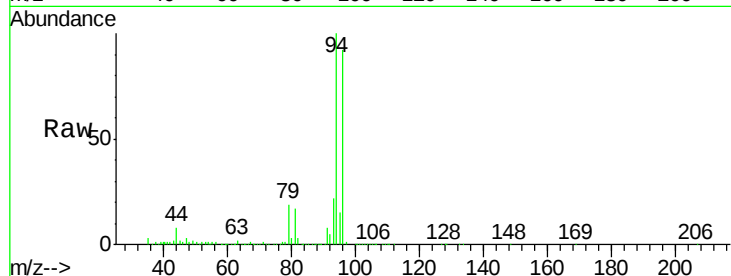
94 100

96 91.5 76.3 114.5

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

Ion 95.90 (95.60 to 96.60): VX0

30000

25000

20000

15000

10000

5000

0

1.55

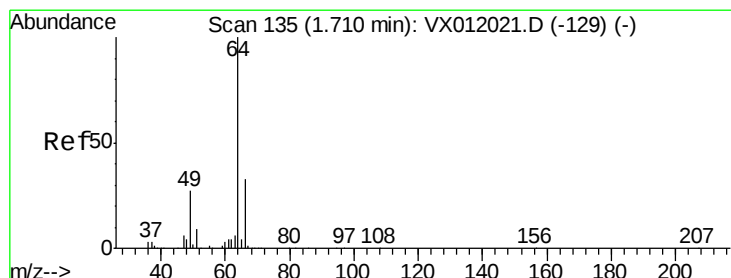
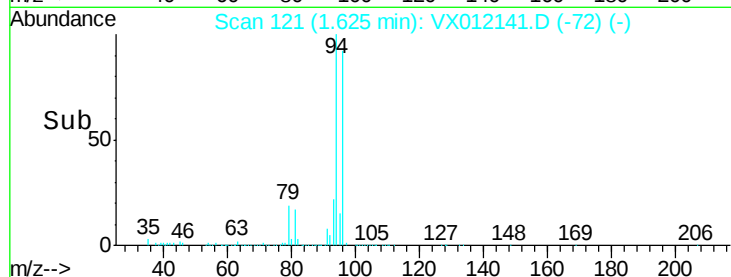
1.60

1.62

1.65

1.70

Time-->



#6

Chloroethane

Concen: 53.803 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012141.D

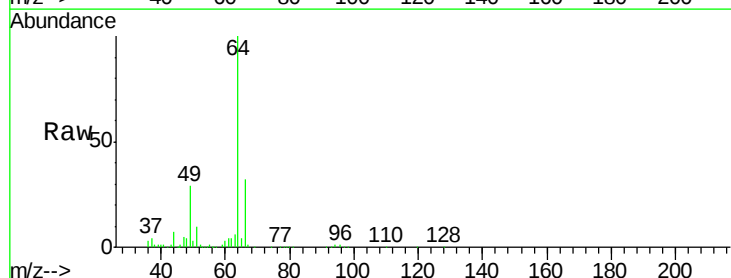
Acq: 06 Sep 2019 11:14

Tgt Ion: 64 Resp: 33781

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

10000

5000

0

1.65

1.70

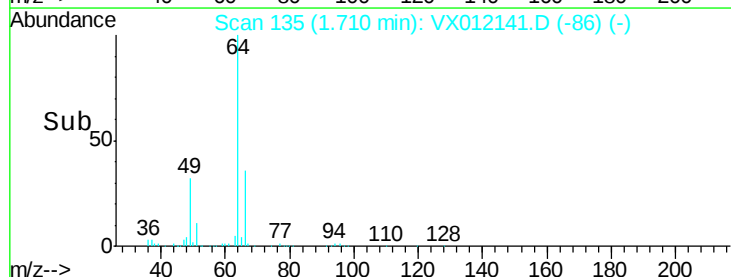
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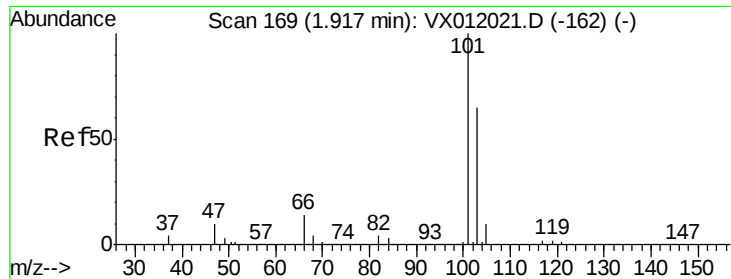
1.75

1.80

1.85

Time-->





#7

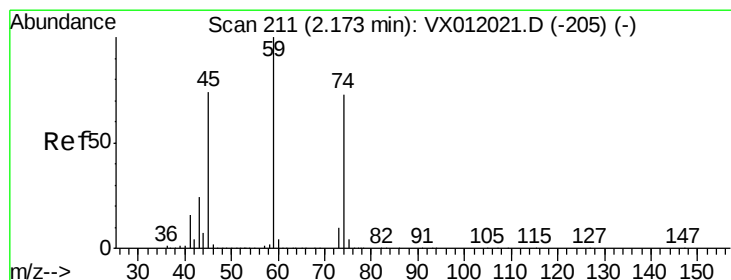
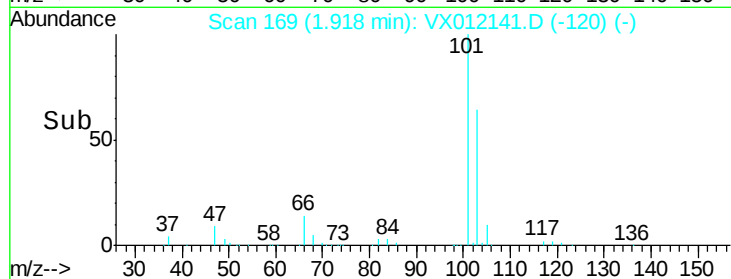
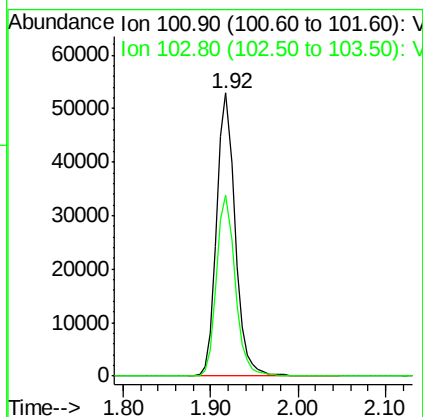
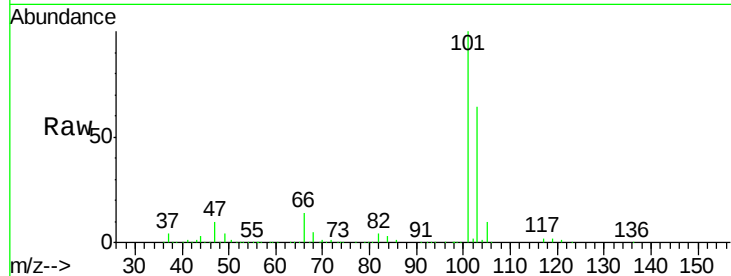
Trichlorofluoromethane
 Concen: 49.337 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

Manual Integrations
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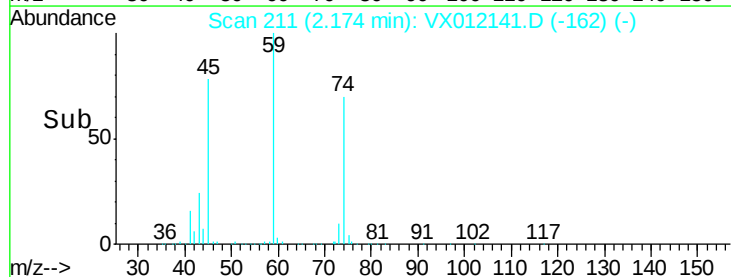
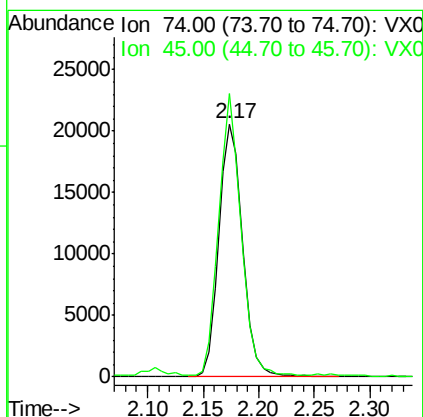
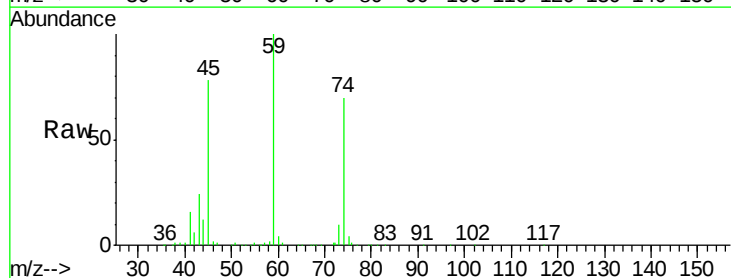
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 9/6/2019 3:55:21 PM

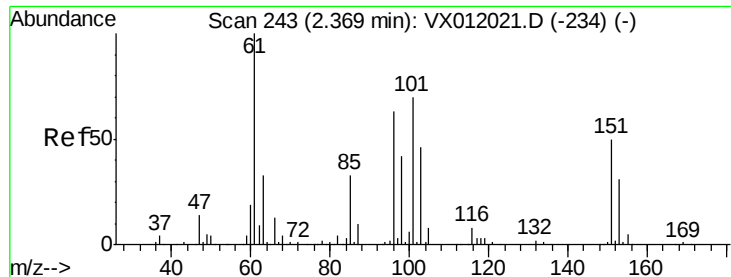


#8

Diethyl Ether
 Concen: 56.001 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.729 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

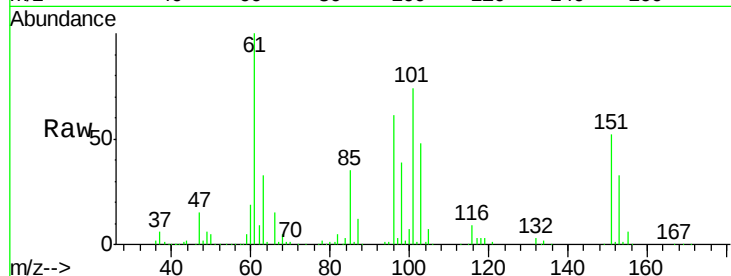
ClientSampleId :

VSTDCCC050EC

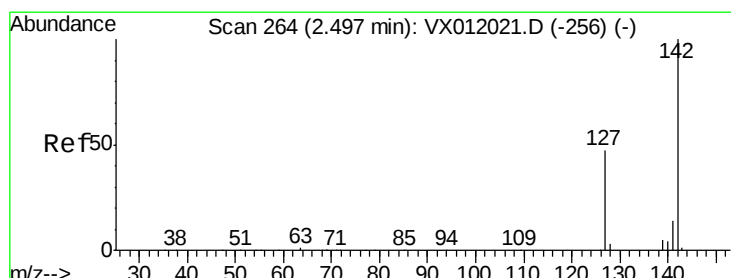
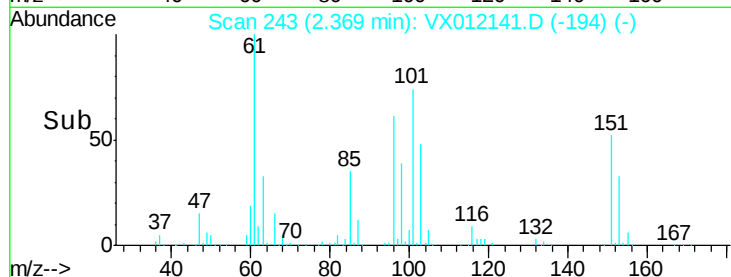
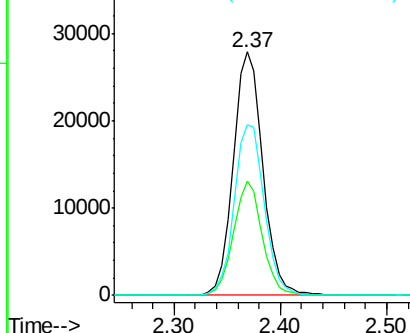
Tot Ion:	101	Resp:	54294
Ion Ratio	Lower	Upper	
101	100		
85	45.9	34.5	51.7
151	71.7	75.0	112.4#

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.147 ug/l

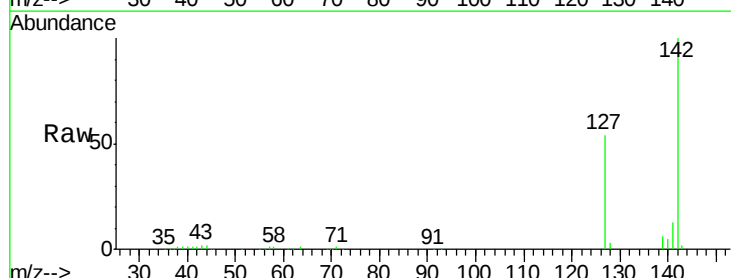
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

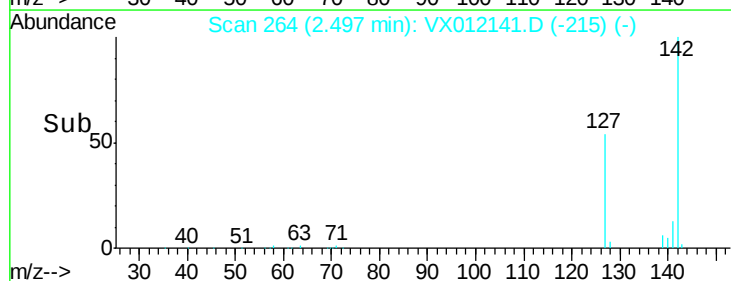
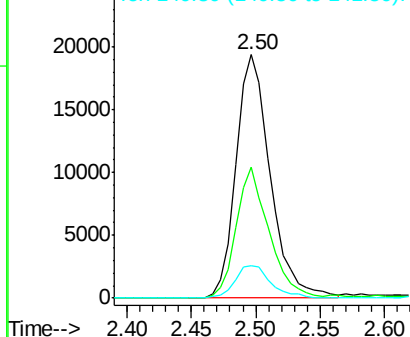
Lab File: VX012141.D

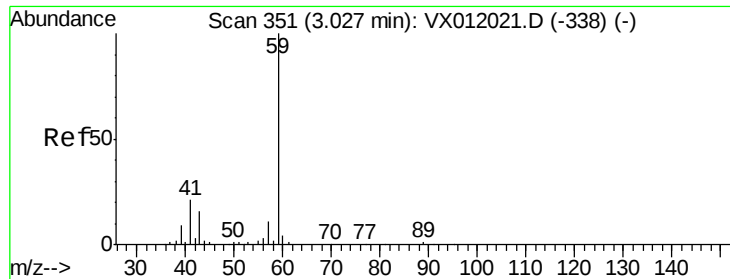
Acq: 06 Sep 2019 11:14

Tgt Ion:	142	Resp:	35771
Ion Ratio	Lower	Upper	
142	100		
127	52.2	35.4	53.2
141	14.2	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





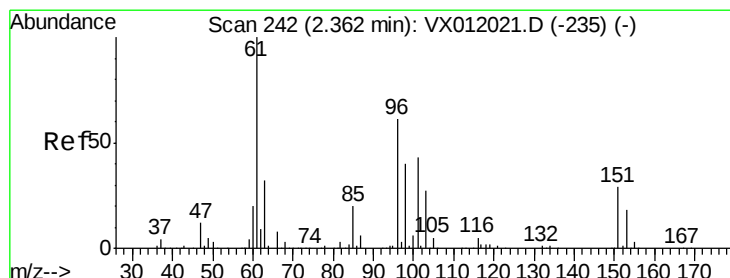
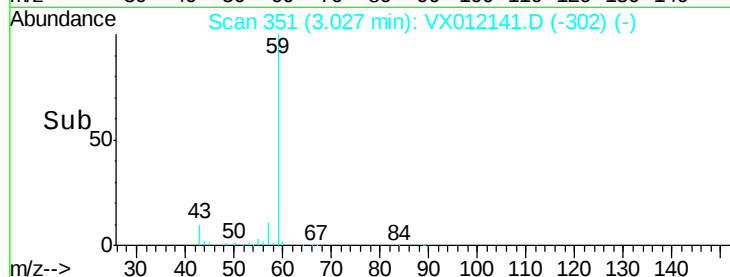
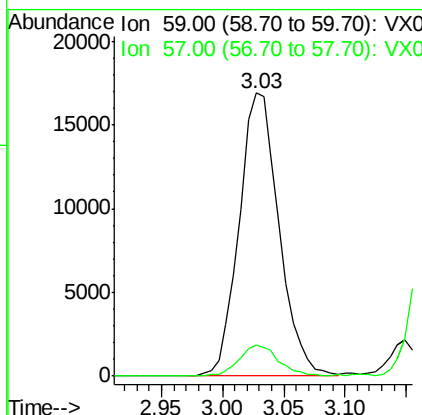
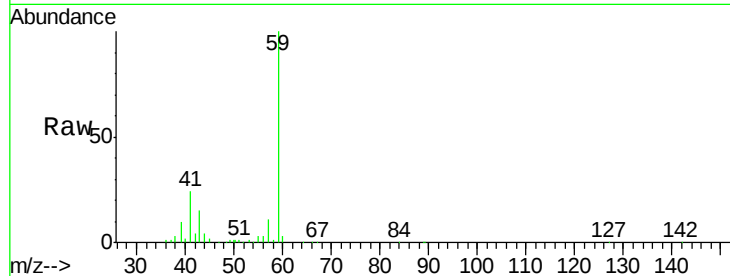
#11
Tert butyl alcohol
Concen: 255.013 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	38416
Ion Ratio	100	Lower	Upper
57	11.1	7.9	11.9

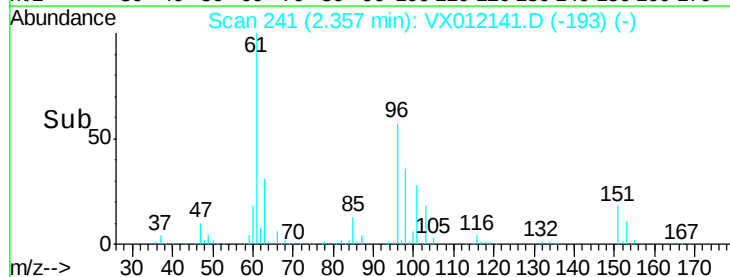
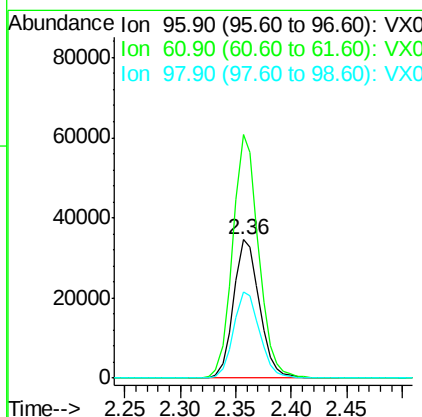
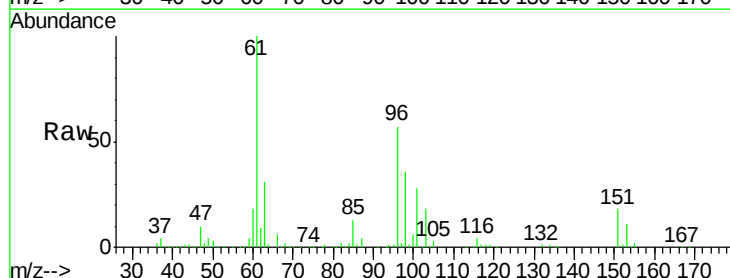
Manual Integrations
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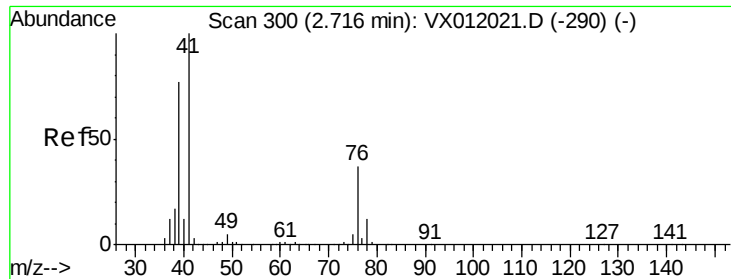
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#12
1,1-Dichloroethene
Concen: 49.854 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	96	Resp	55800
Ion Ratio	100	Lower	Upper
61	176.2	124.1	186.1
98	62.7	50.2	75.2





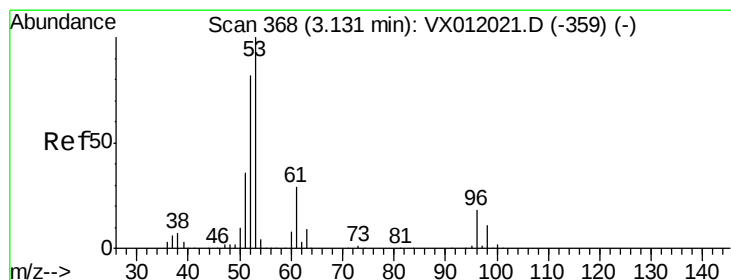
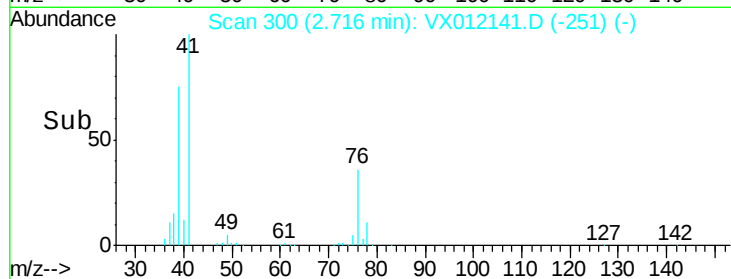
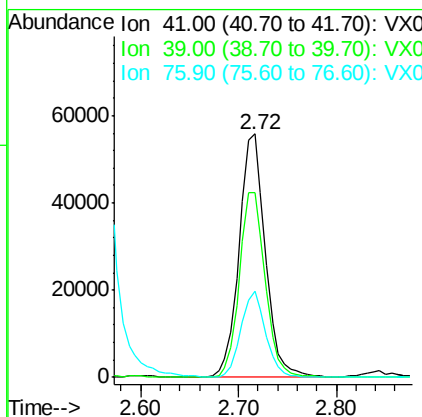
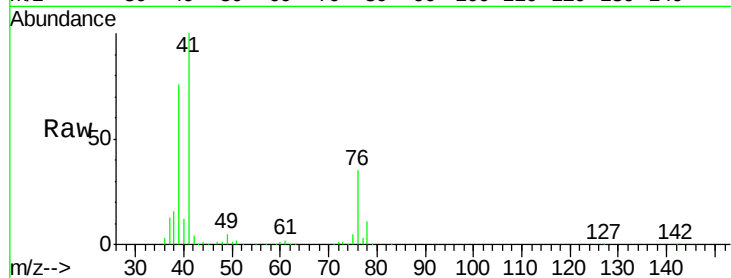
#14
Allvl chloride
Concen: 51.185 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.9	57.9	86.9
76	33.3	28.5	42.7

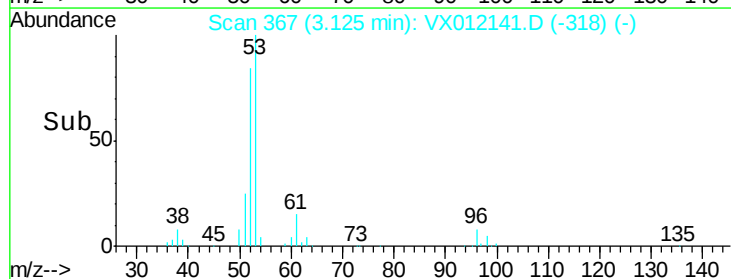
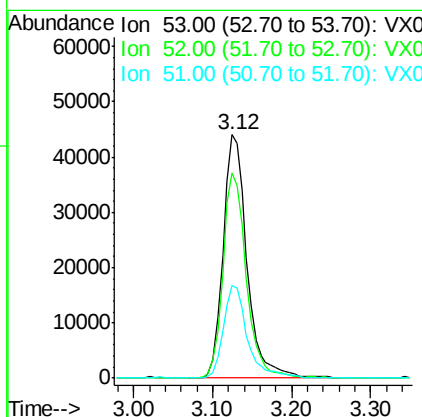
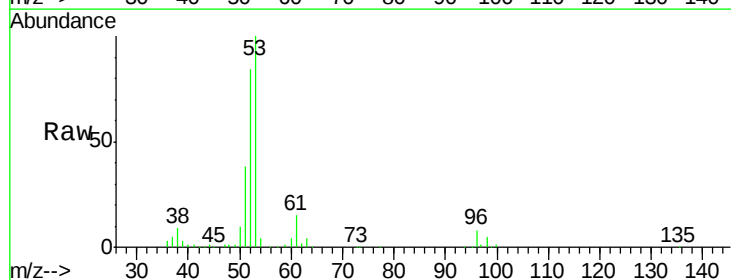
Manual Integrations
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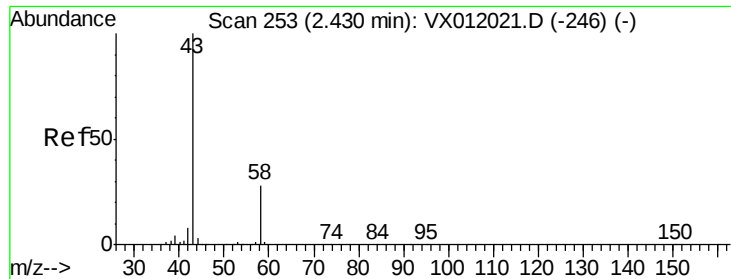
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#15
Acrylonitrile
Concen: 272.173 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.6	98.4
51	38.3	29.8	44.6





#16

Acetone

Concen: 215.735 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 80874

Ion Ratio Lower Upper

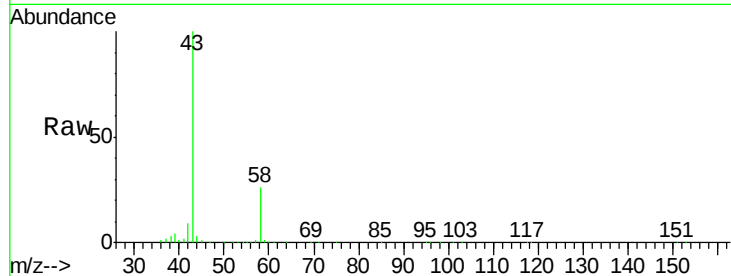
43 100

58 26.4 22.8 34.2

Manual Integrations
APPROVED

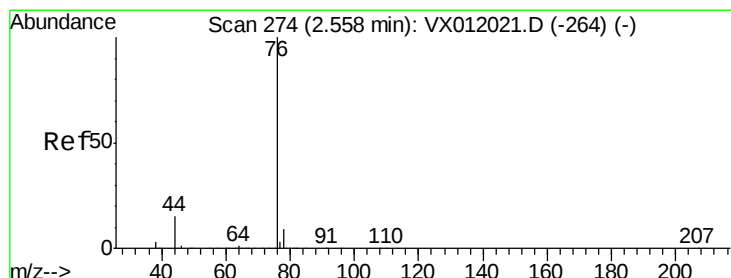
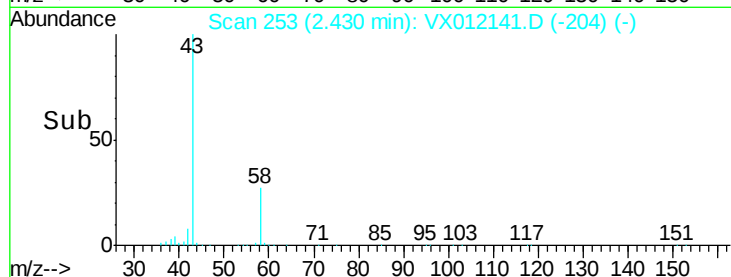
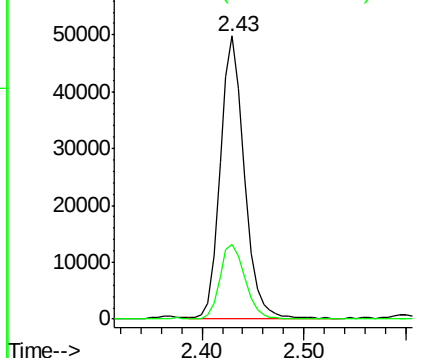
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 51.446 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012141.D

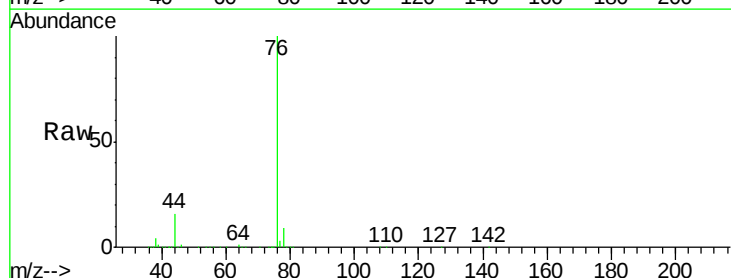
Acq: 06 Sep 2019 11:14

Tgt Ion: 76 Resp: 168283

Ion Ratio Lower Upper

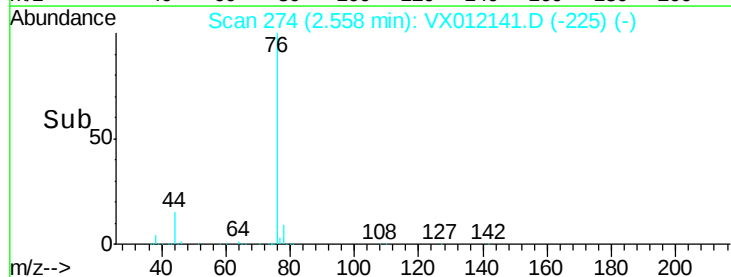
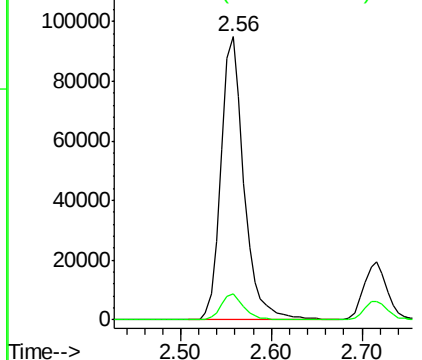
76 100

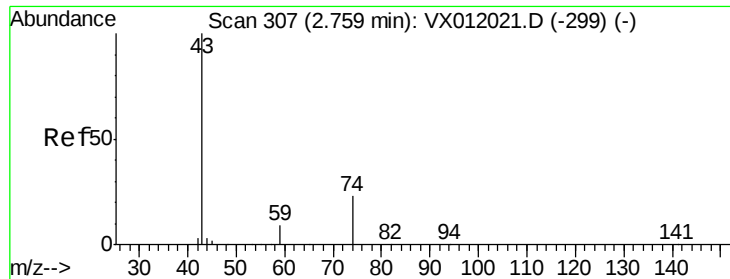
78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





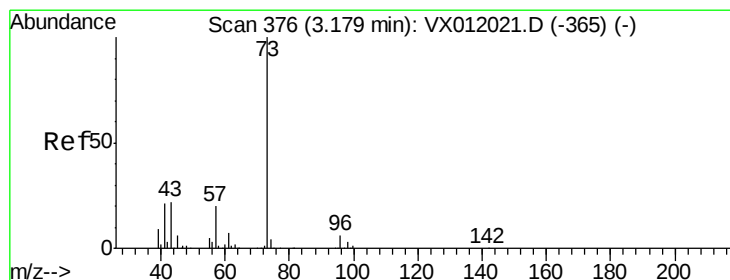
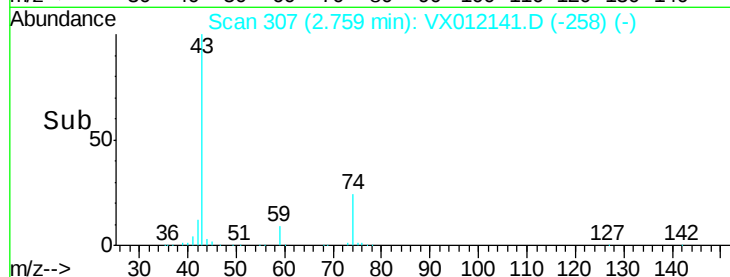
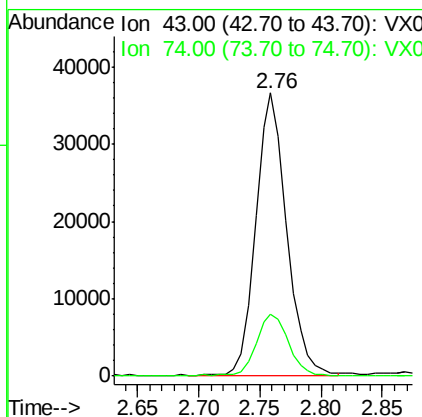
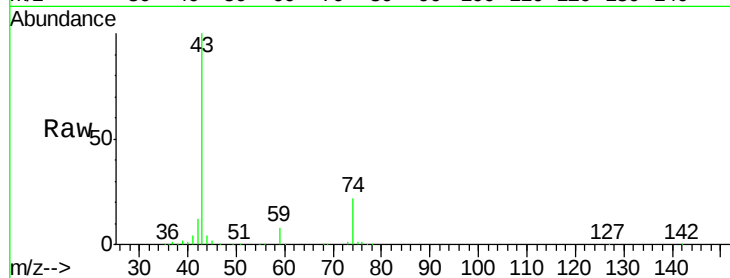
#18
Methvl Acetate
Concen: 72.314 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.5	29.3

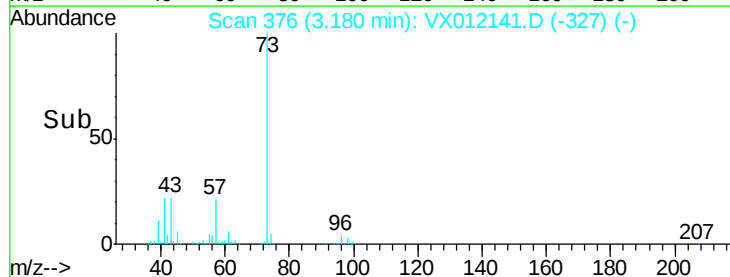
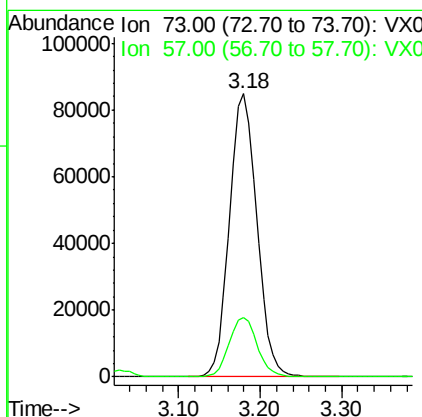
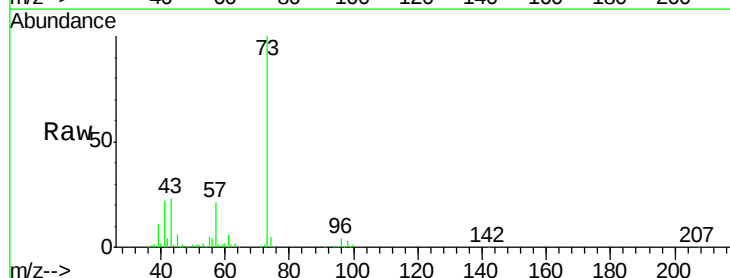
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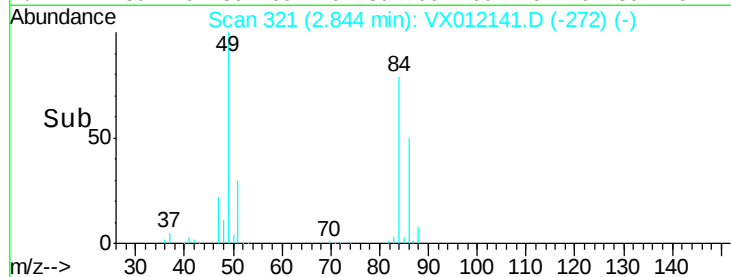
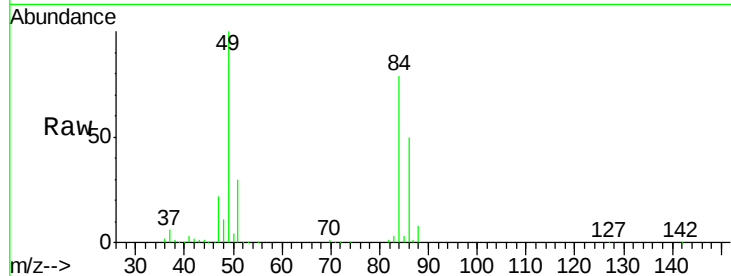
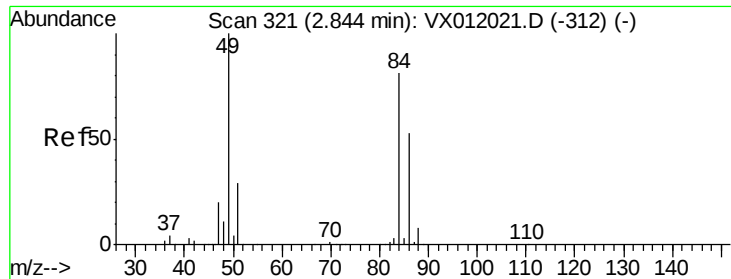
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#19
Methyl tert-butyl Ether
Concen: 54.020 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.6	25.0





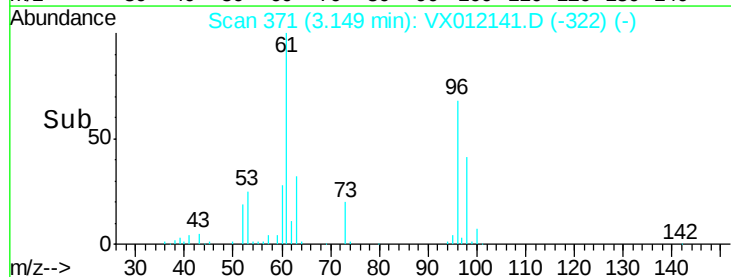
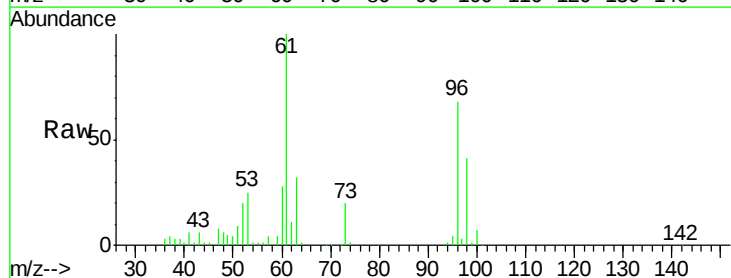
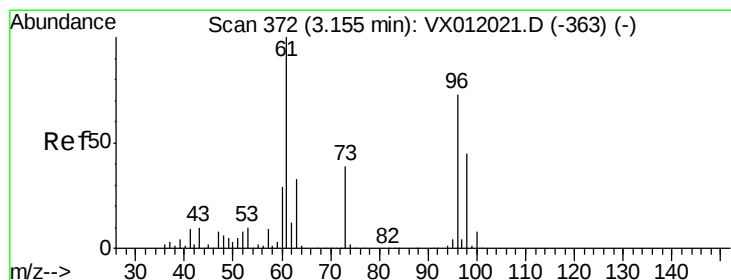
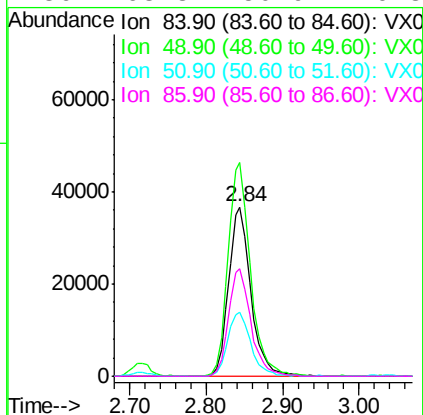
#20
Methvlene Chloride
Concen: 48.965 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tot Ion:	84	Resp:	73710
Ion	Ratio	Lower	Upper
84	100		
49	126.1	95.8	143.8
51	37.9	28.6	43.0
86	63.3	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

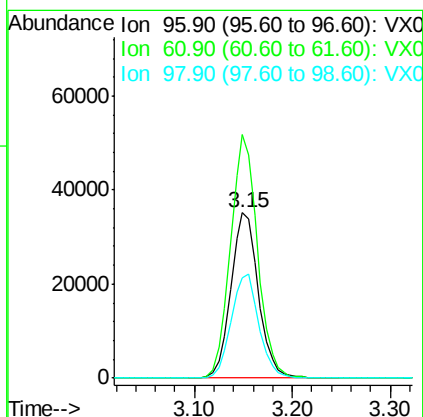
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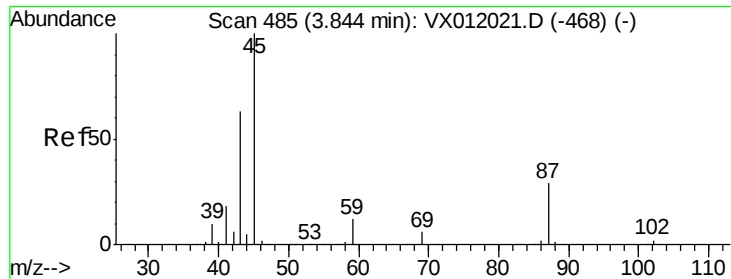
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#21
trans-1,2-Dichloroethene
Concen: 52.038 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion:	96	Resp:	68349
Ion	Ratio	Lower	Upper
96	100		
61	147.3	107.0	160.6
98	60.8	49.8	74.6





#22

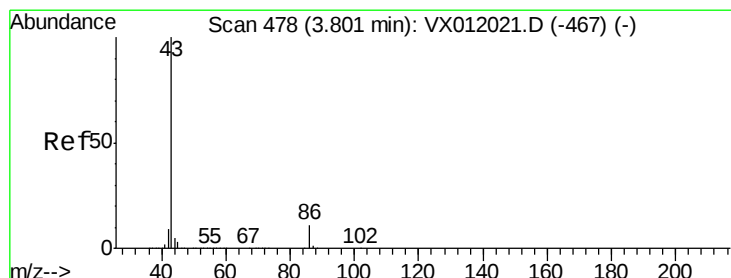
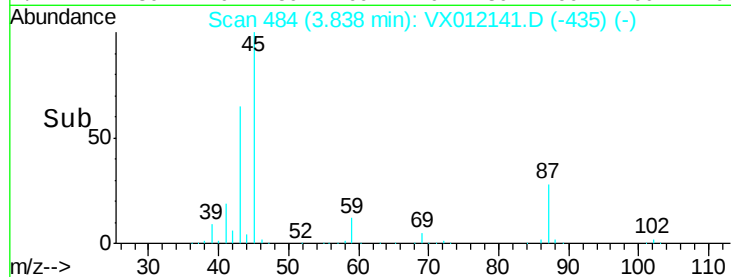
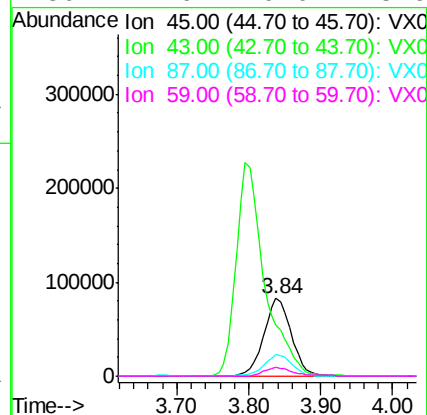
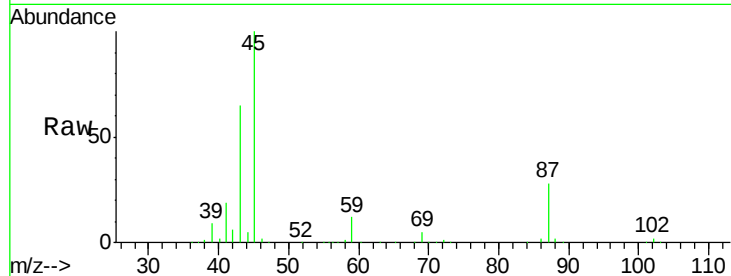
Diisopropyl ether
Concen: 53.651 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	65.3	54.2	81.4	
87	27.5	23.4	35.0	
59	11.6	9.0	13.6	

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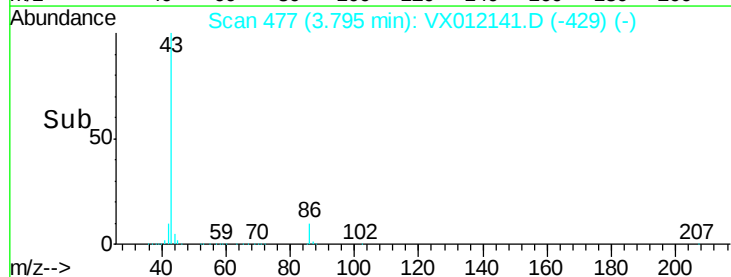
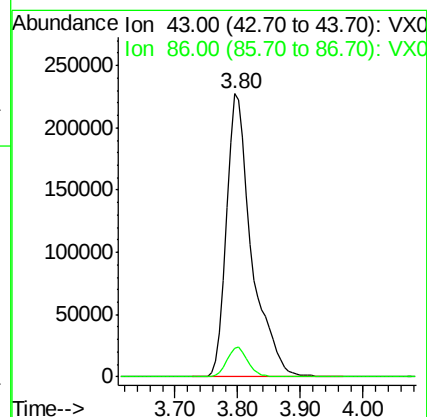
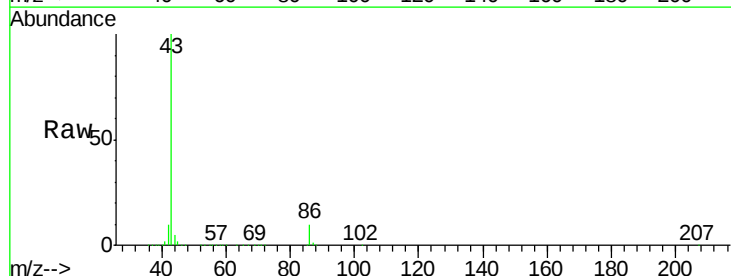
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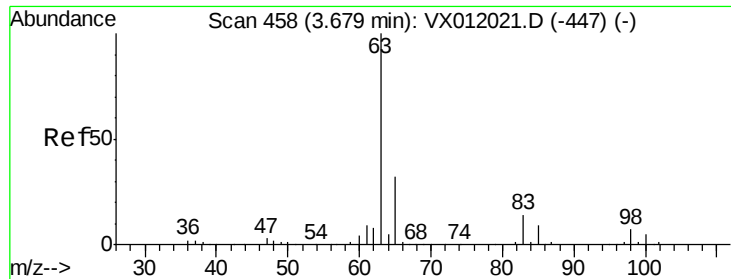


#23

Vinyl Acetate
Concen: 235.998 ug/l
RT: 3.80 min Scan# 477
Delta R.T. -0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.1	9.0	13.6	





#24

1,1-Dichloroethane

Concen: 53.073 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

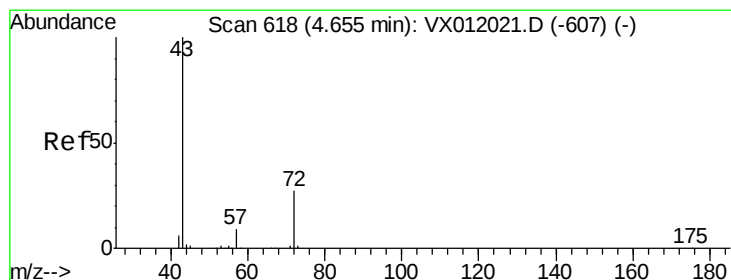
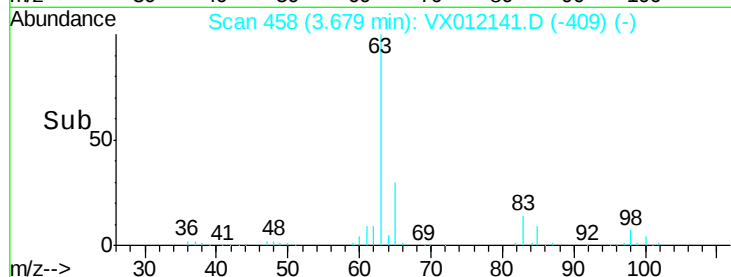
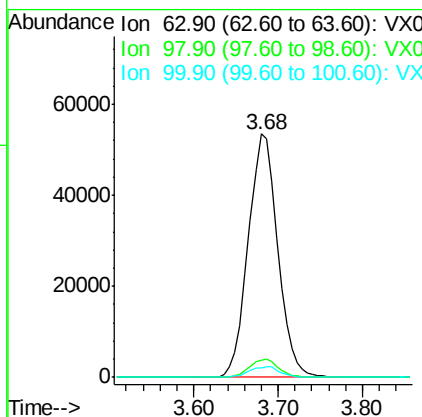
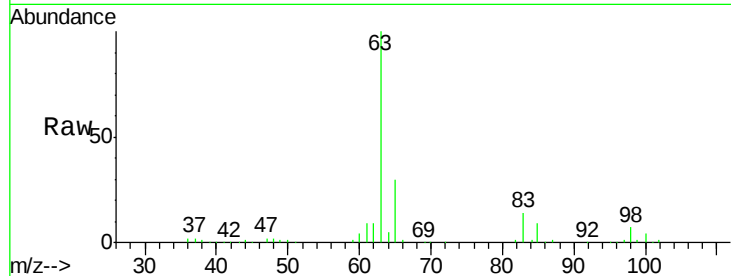
ClientSampleId :

VSTDCCC050EC

Tot Ion:	63	Resp:	127066
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.9	11.7
100	4.1	2.5	7.4

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#25

2-Butanone

Concen: 263.283 ug/l

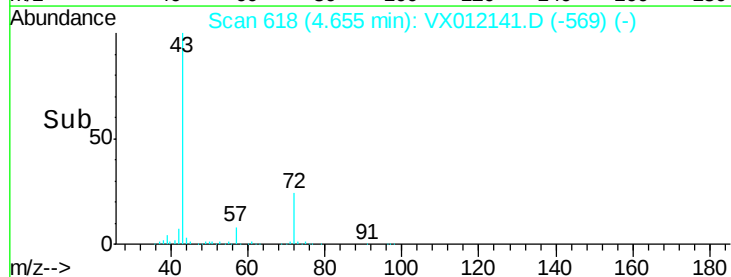
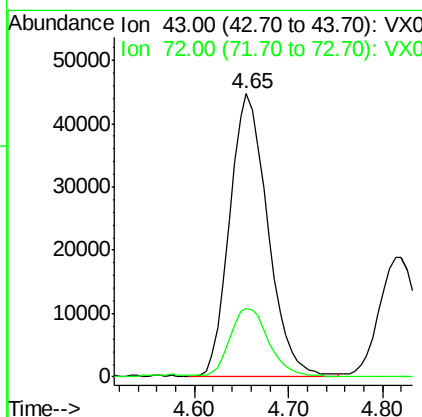
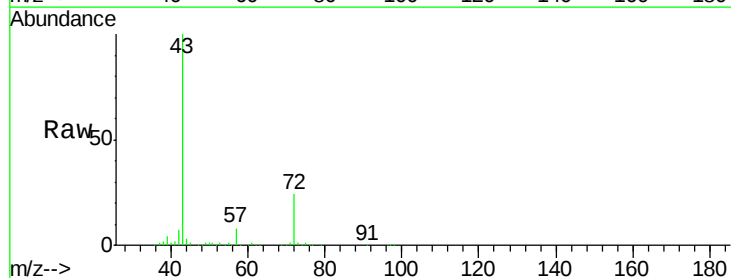
RT: 4.65 min Scan# 618

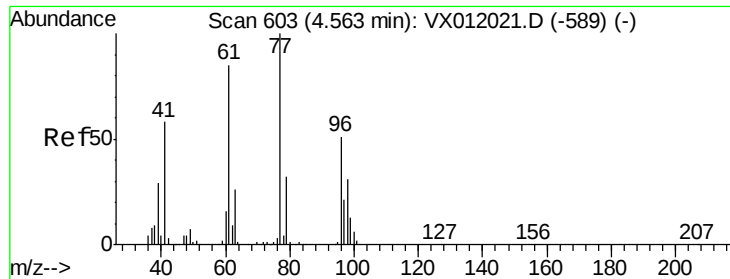
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion:	43	Resp:	125636
Ion Ratio	Lower	Upper	
43	100		
72	24.2	21.3	31.9





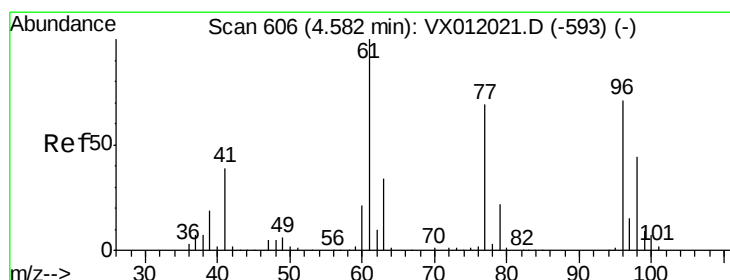
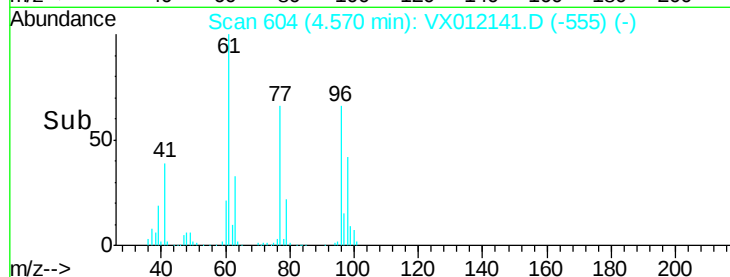
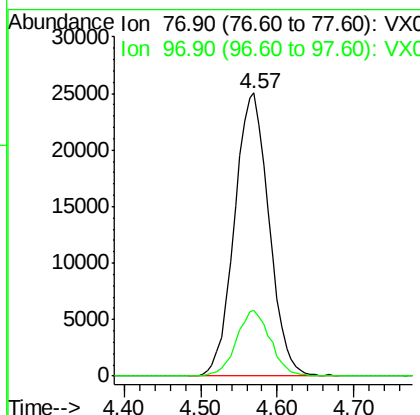
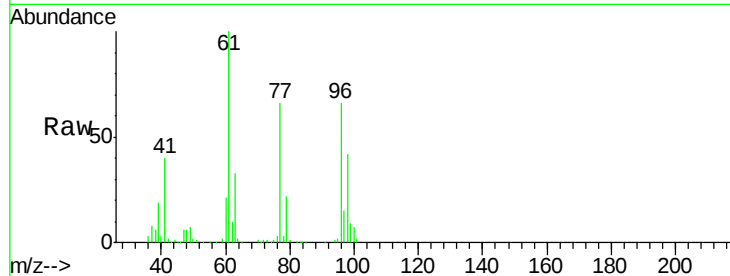
#26
 2,2-Dichloropropane
 Concen: 35.440 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 77 Resp: 78337
 Ion Ratio Lower Upper
 77 100
 97 22.7 11.5 34.5

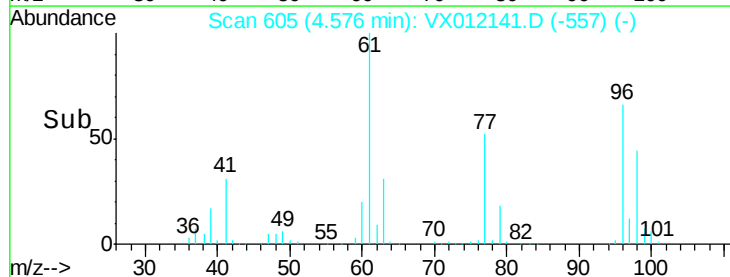
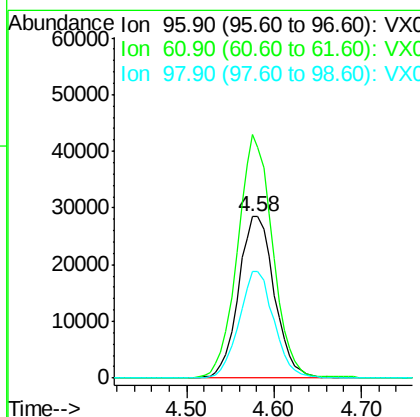
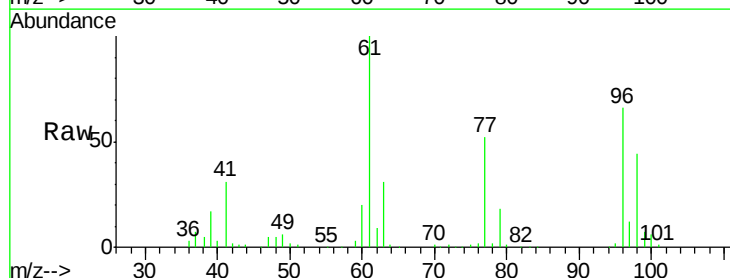
Manual Integrations
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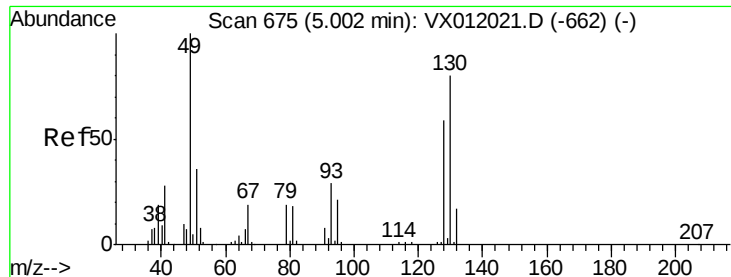
MMDadoda
 9/6/2019 3:55:21 PM



#27
 cis-1,2-Dichloroethene
 Concen: 52.796 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion: 96 Resp: 81286
 Ion Ratio Lower Upper
 96 100
 61 147.2 0.0 277.0
 98 64.1 0.0 128.4





#28

Bromochloromethane

Concen: 55.548 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 49 Resp: 53087

Ion Ratio Lower Upper

49 100

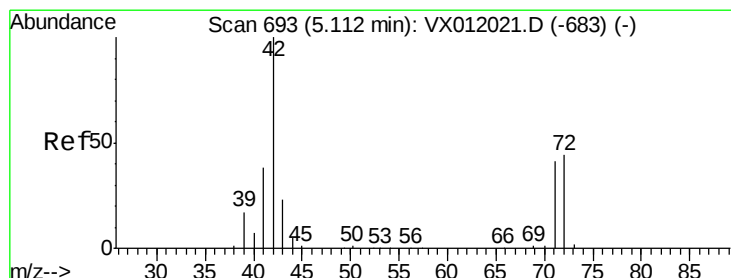
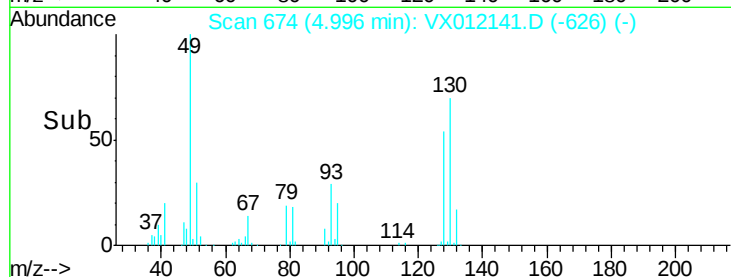
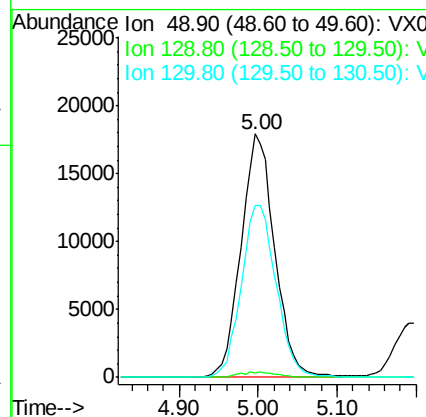
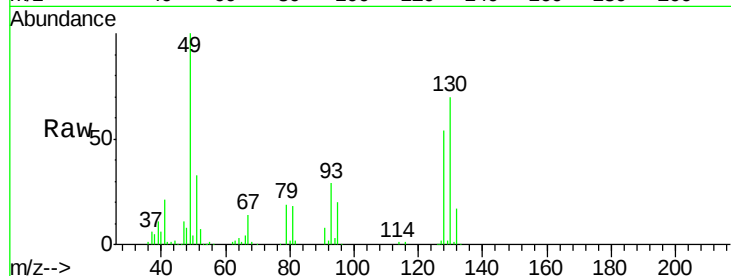
129 2.2 0.0 5.6

130 73.3 76.7 115.1#

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9/6/2019 3:55:21 PM



#29

Tetrahydrofuran

Concen: 276.456 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

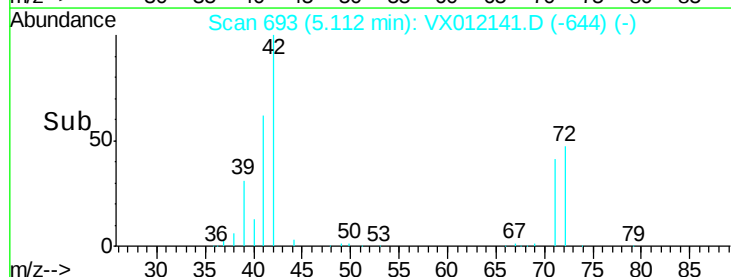
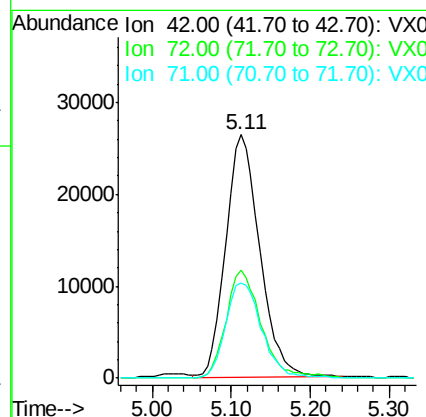
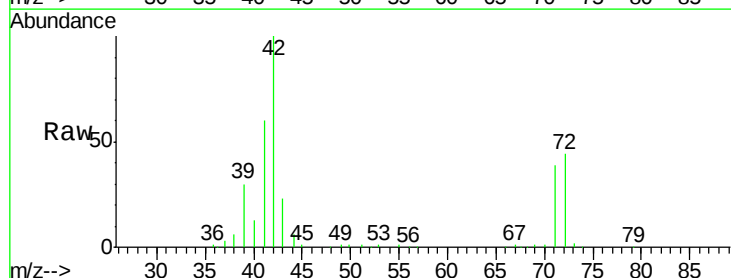
Tgt Ion: 42 Resp: 79483

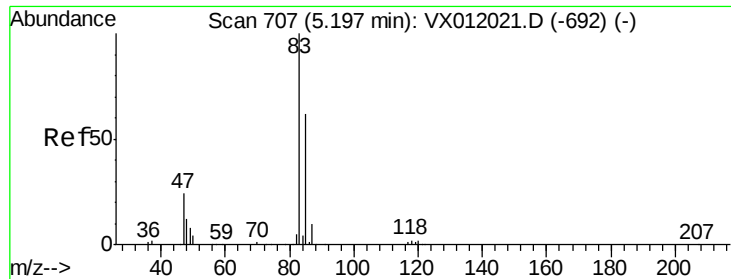
Ion Ratio Lower Upper

42 100

72 45.9 37.0 55.4

71 41.7 33.8 50.8





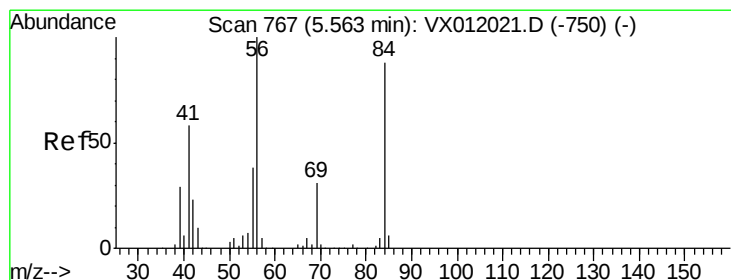
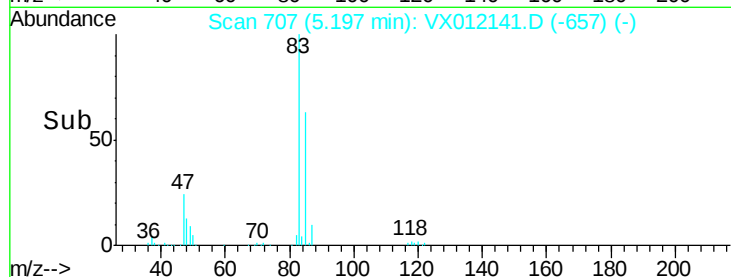
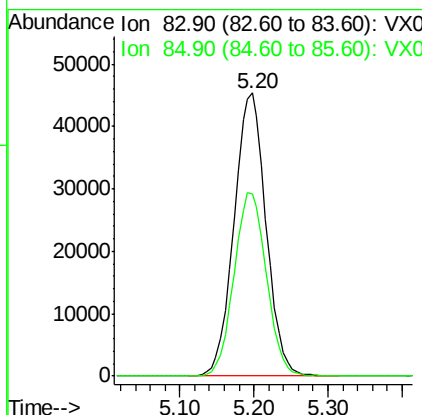
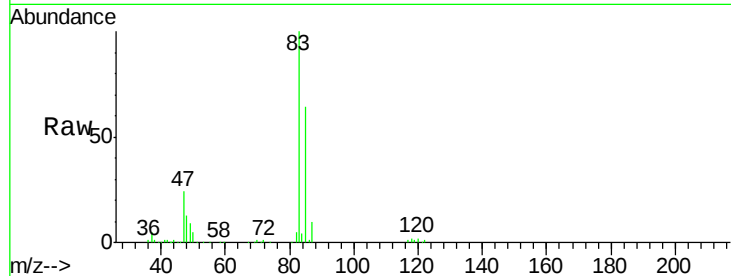
#30
Chloroform
Concen: 53.180 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136617
Ion Ratio	100	Lower	Upper
85	64.4	52.6	78.8

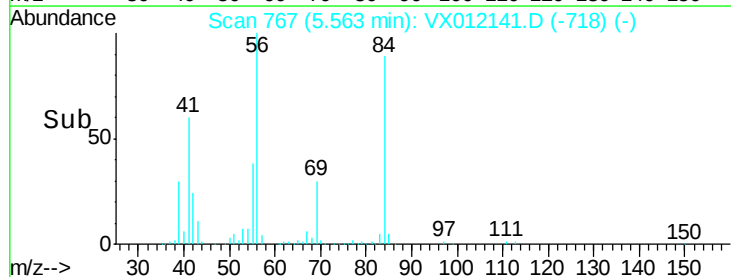
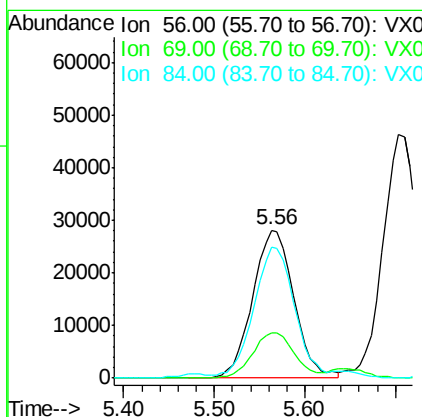
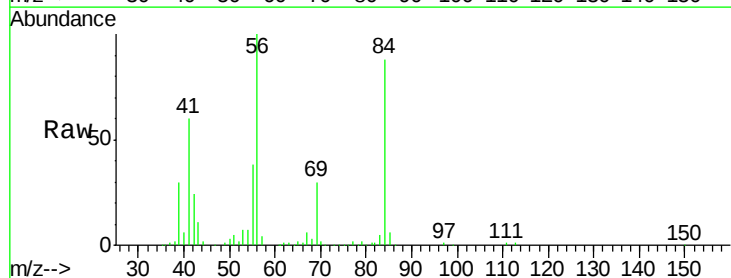
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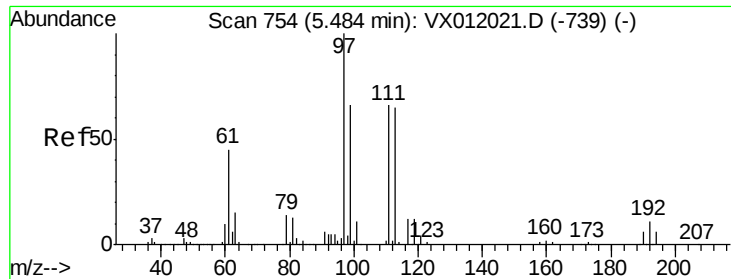
MMDadoda
9/6/2019 3:55:21 PM



#31
Cyclohexane
Concen: 46.035 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	56	Resp	88518
Ion Ratio	100	Lower	Upper
69	30.3	25.7	38.5
84	85.5	70.3	105.5





#32

1,1,1-Trichloroethane

Concen: 52.138 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

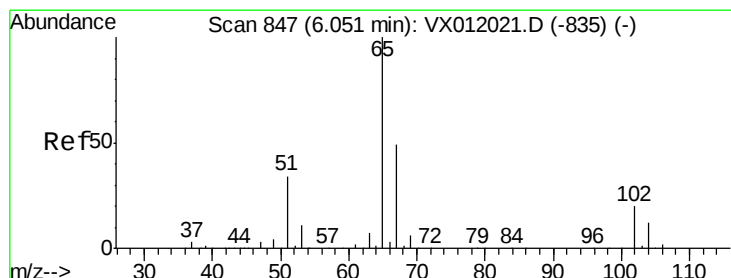
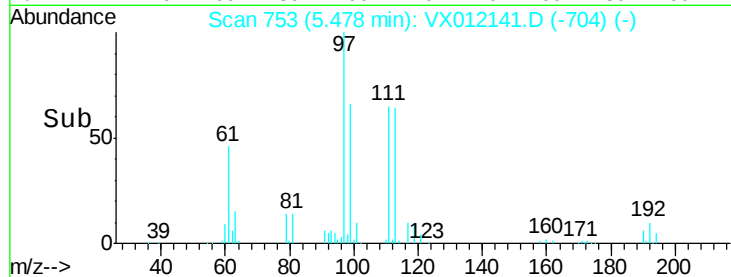
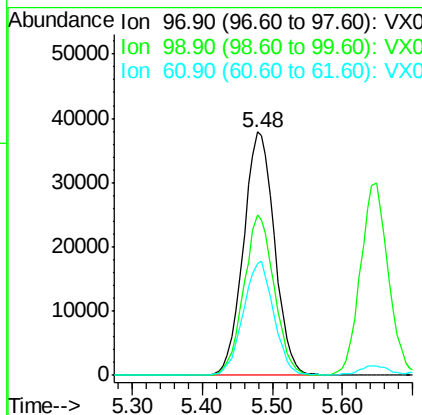
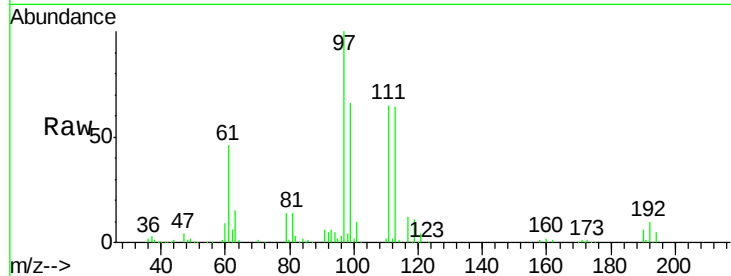
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	116655
Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	46.0	32.8	49.2

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#33

1,2-Dichloroethane-d4

Concen: 59.676 ug/l

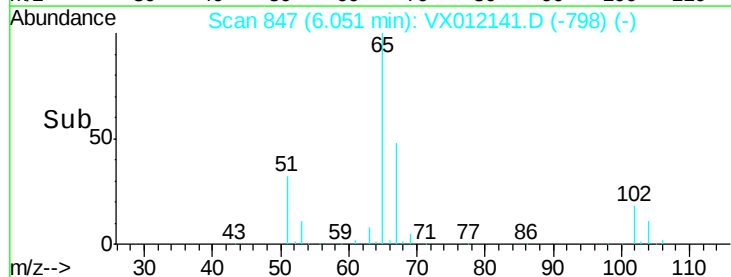
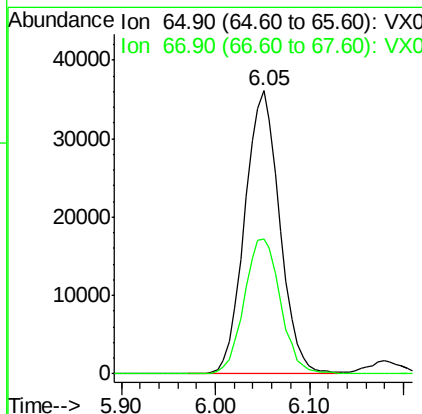
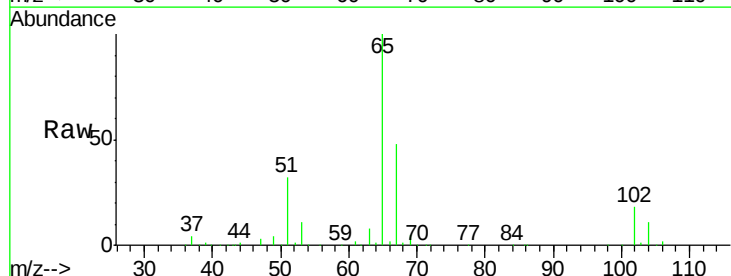
RT: 6.05 min Scan# 847

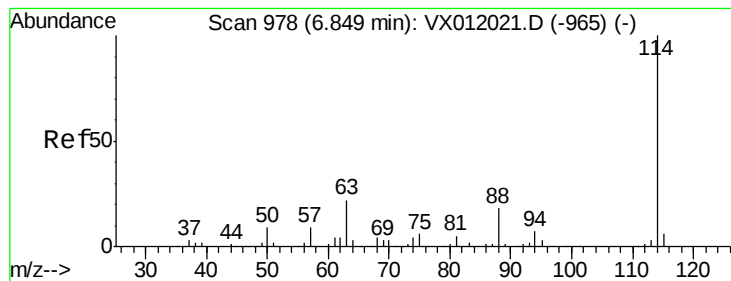
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion:	65	Resp:	93595
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

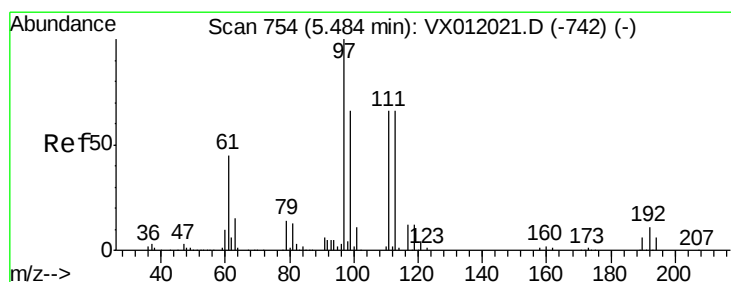
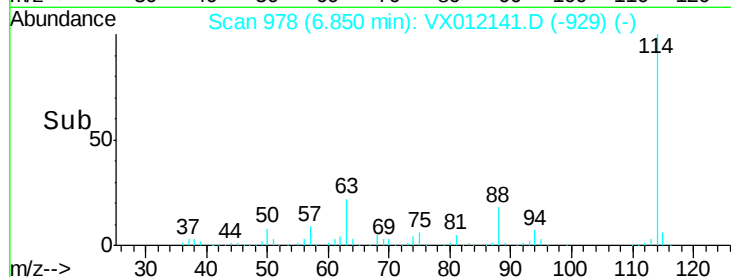
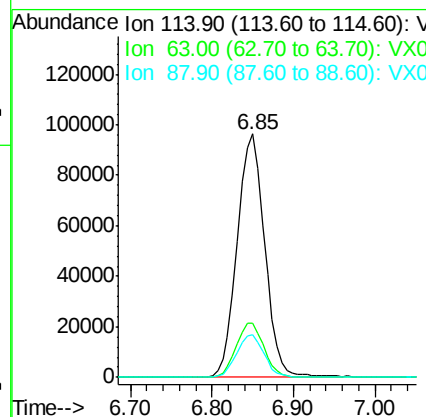
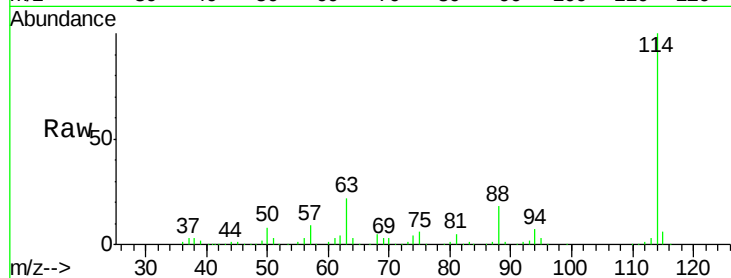
ClientSampleId :

VSTDCCC050EC

Tot Ion:	114	Resp:	224667
Ion Ratio	Lower	Upper	
114	100		
63	22.0	0.0	37.4
88	17.8	0.0	29.6

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#35

Dibromofluoromethane

Concen: 51.696 ug/l

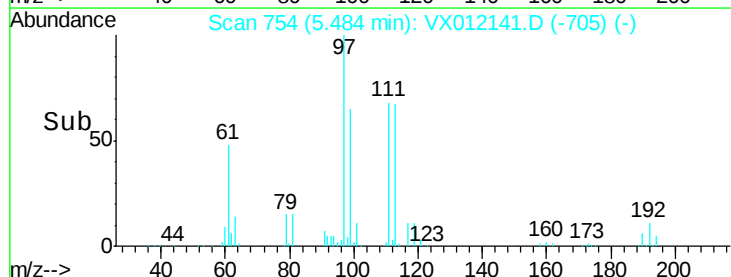
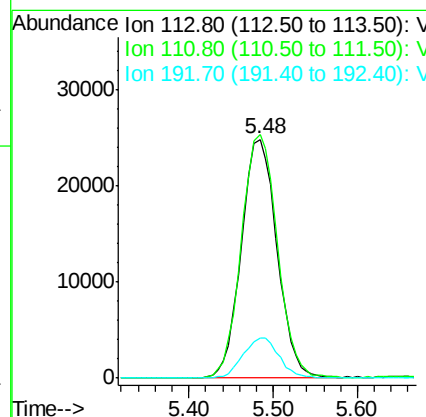
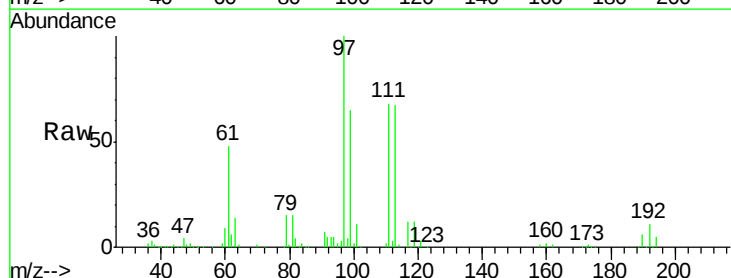
RT: 5.48 min Scan# 754

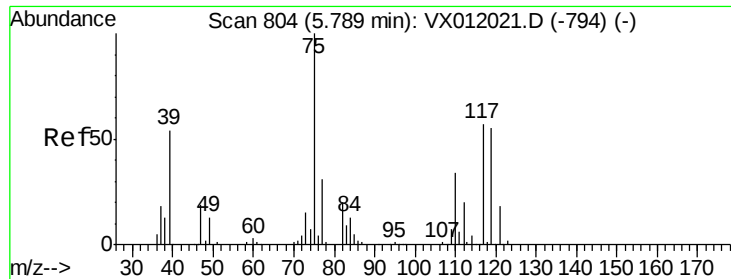
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion:	113	Resp:	71425
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.7	122.5
192	17.2	22.5	33.7#





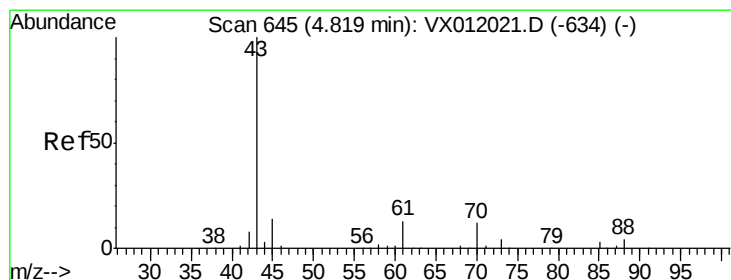
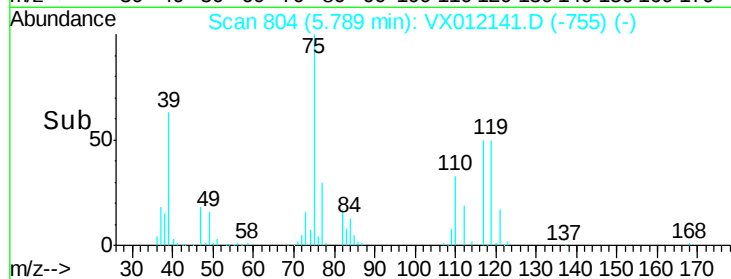
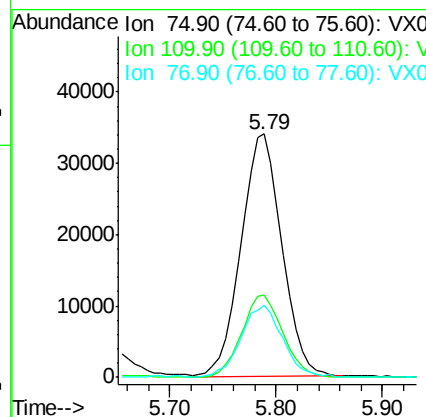
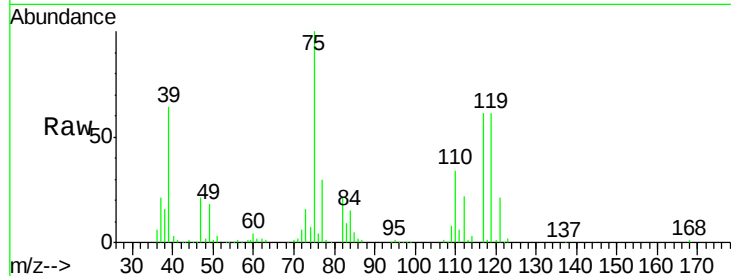
#36
 1,1-Dichloropropene
 Concen: 46.130 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.5	19.5	58.5
77	30.5	24.6	37.0

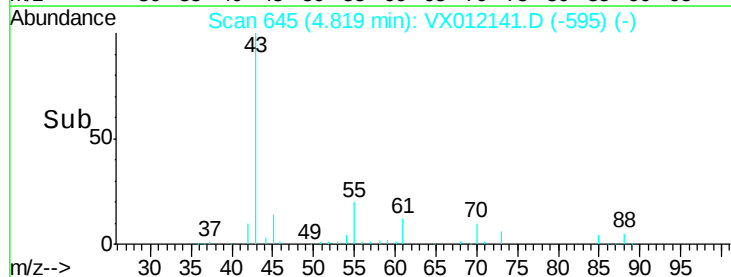
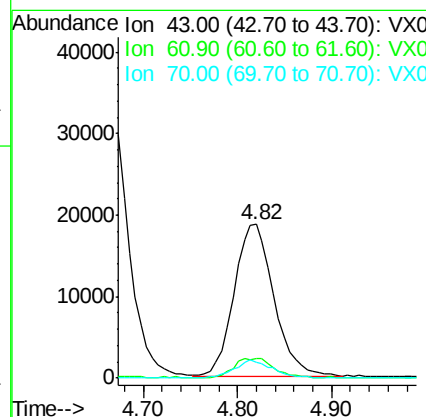
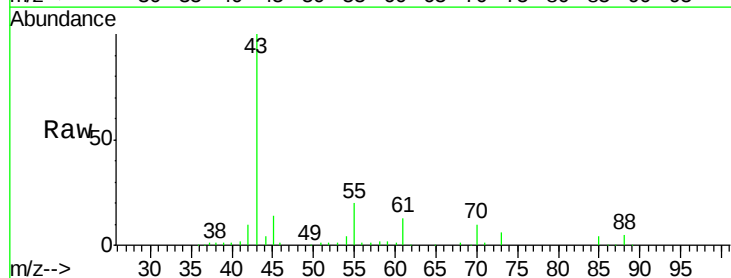
Manual Integrations
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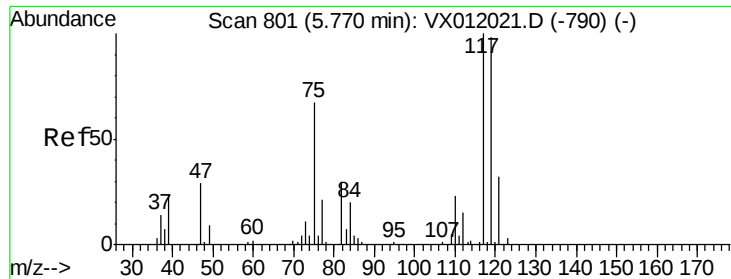
MMDadoda
 9/6/2019 3:55:21 PM



#37
 Ethyl Acetate
 Concen: 51.047 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	11.4	9.4	14.0





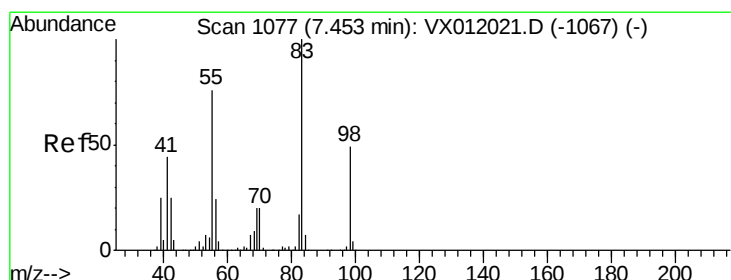
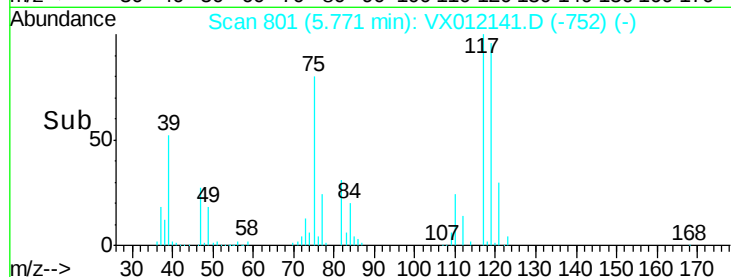
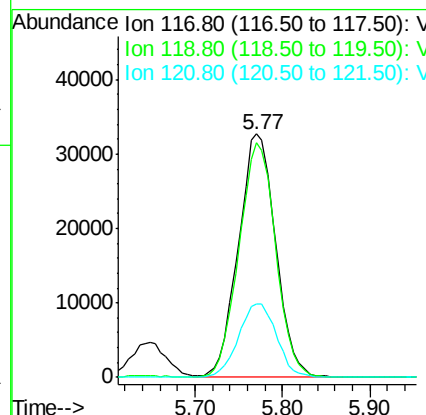
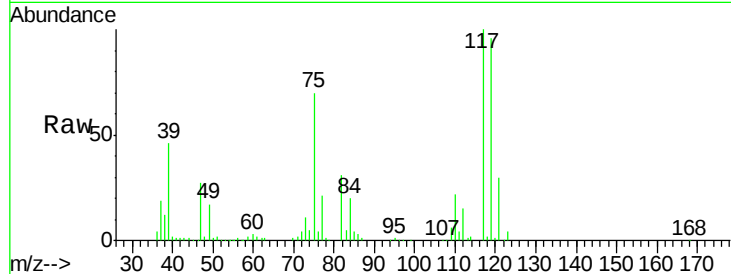
#38
Carbon Tetrachloride
Concen: 46.260 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.3	117.5
121	30.4	24.2	36.2

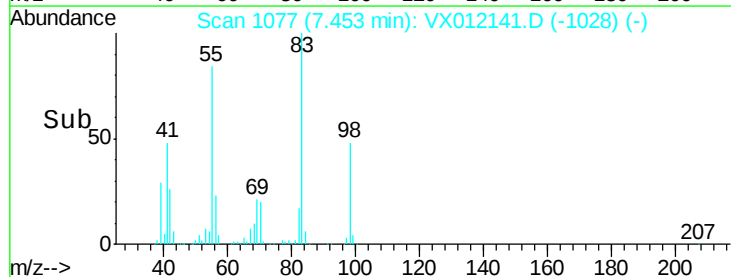
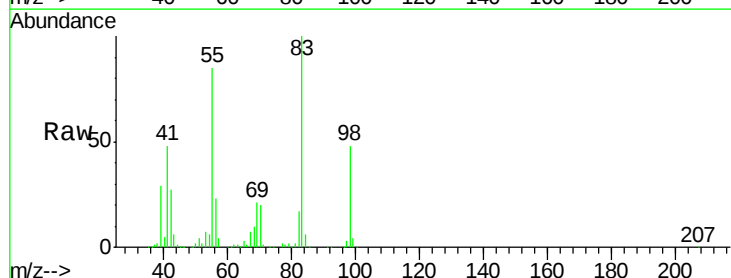
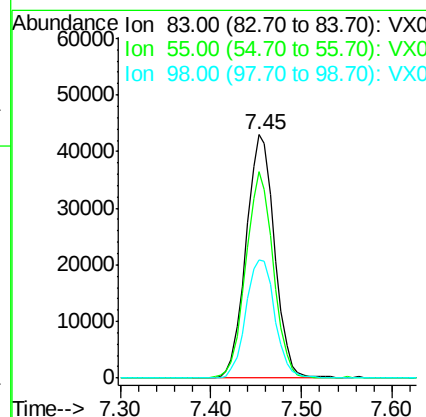
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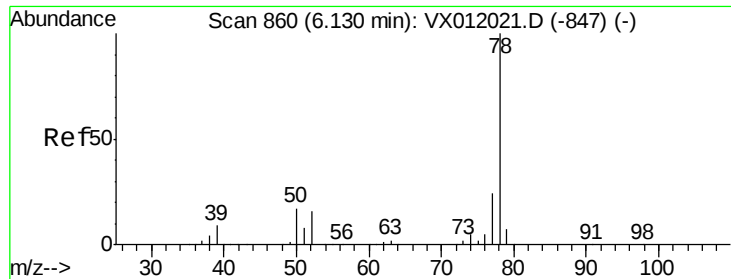
MMDadoda
9/6/2019 3:55:21 PM



#39
Methylcyclohexane
Concen: 40.677 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.4	59.6	89.4
98	48.5	41.4	62.0





#40

Benzene

Concen: 49.003 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 278365

Ion Ratio Lower Upper

78 100

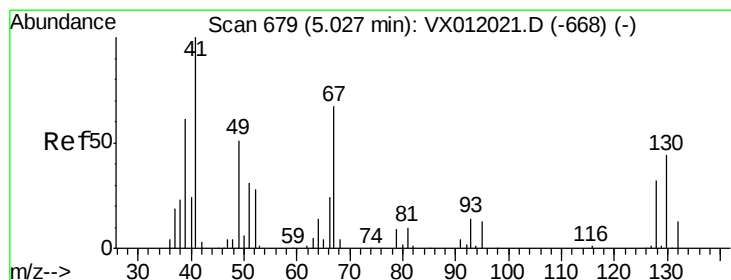
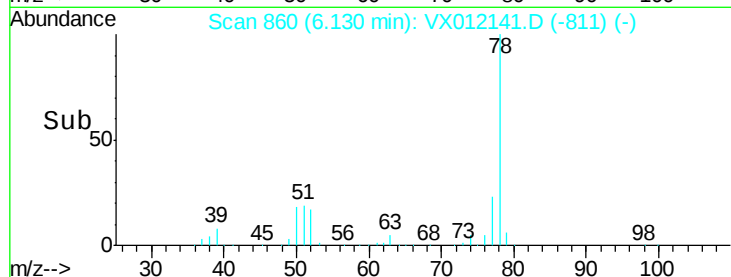
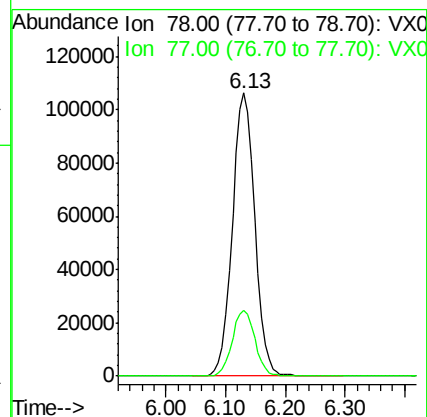
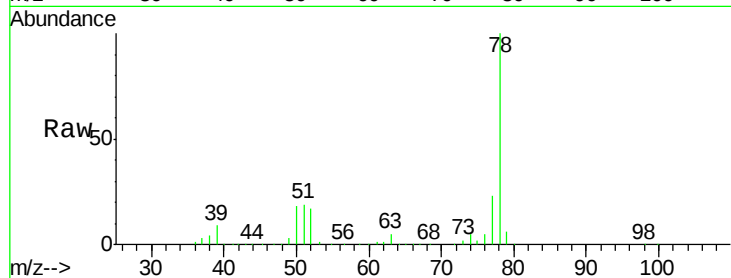
77 23.3 19.3 28.9

Manual Integrations

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9/6/2019 3:55:21 PM



#41

Methacrylonitrile

Concen: 52.730 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion: 41 Resp: 33836

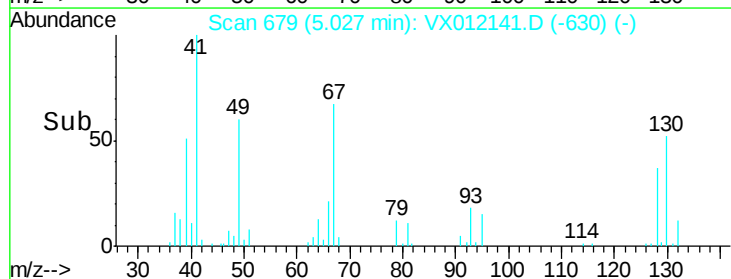
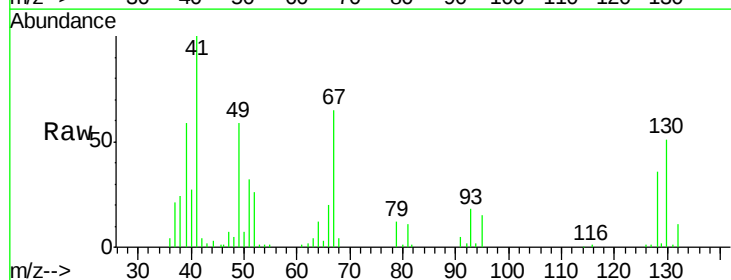
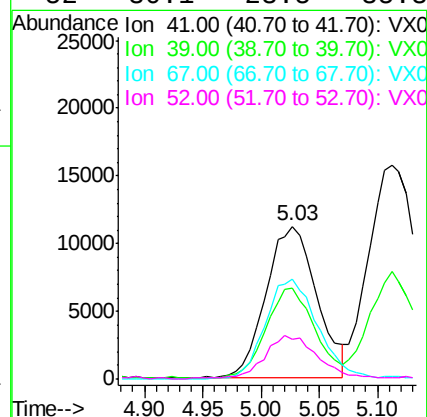
Ion Ratio Lower Upper

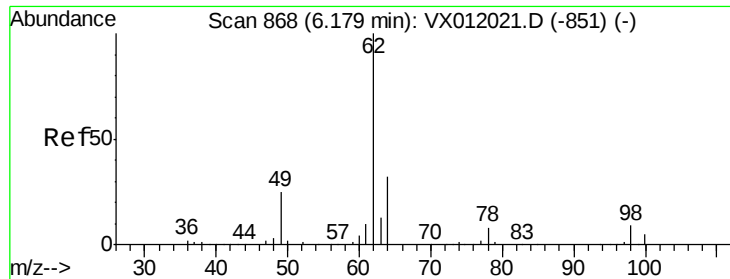
41 100

39 57.2 46.7 70.1

67 67.8 57.0 85.6

52 30.1 23.5 35.3





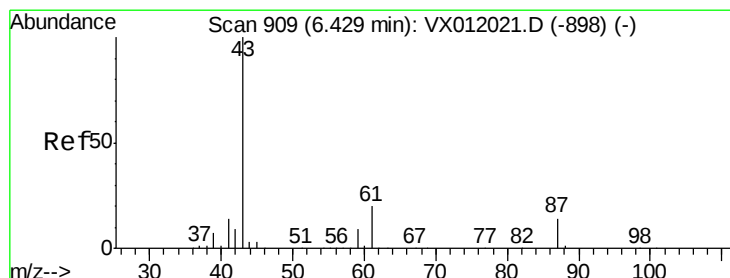
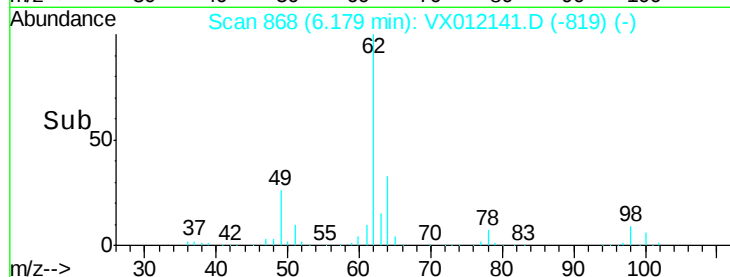
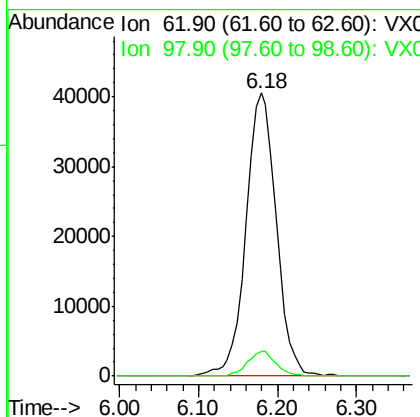
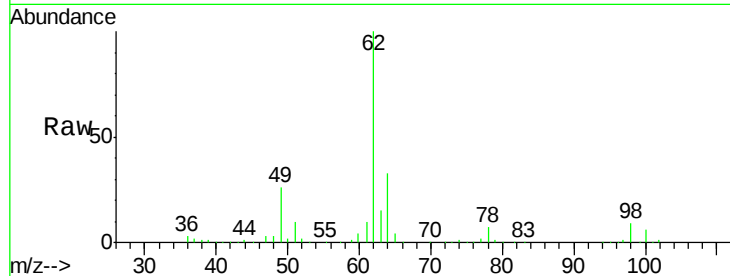
#42
 1,2-Dichloroethane
 Concen: 52.974 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	108293		
98	8.2	0.0	19.2	

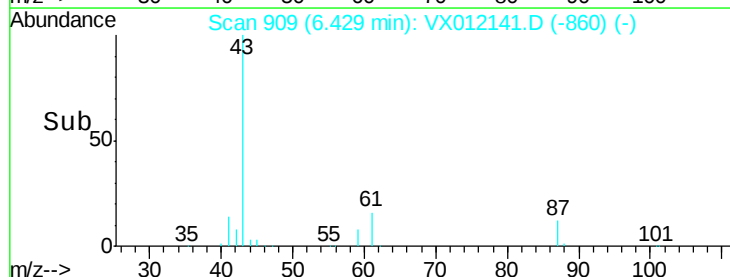
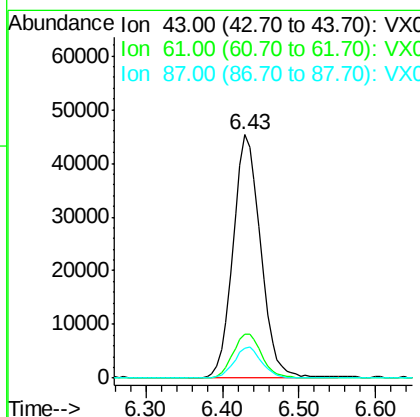
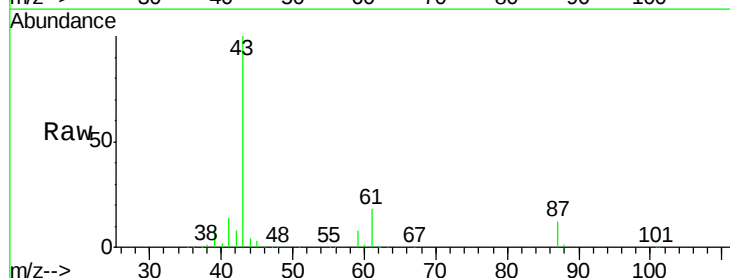
Manual Integrations
 APPROVED

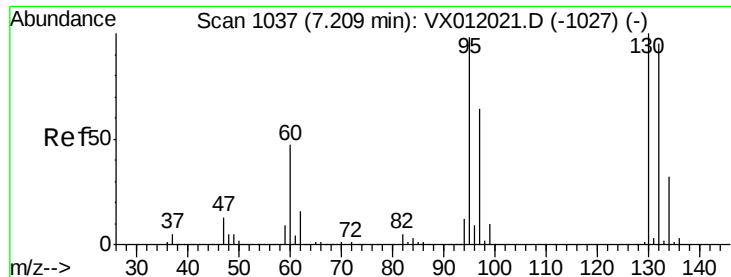
MMDadoda
 9/6/2019 3:55:21 PM



#43
 Isopropyl Acetate
 Concen: 51.508 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	112695		
61	19.0	16.1	24.1	
87	12.7	11.3	16.9	





#44

Trichloroethene

Concen: 48.314 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:130 Resp: 74026

Ion Ratio Lower Upper

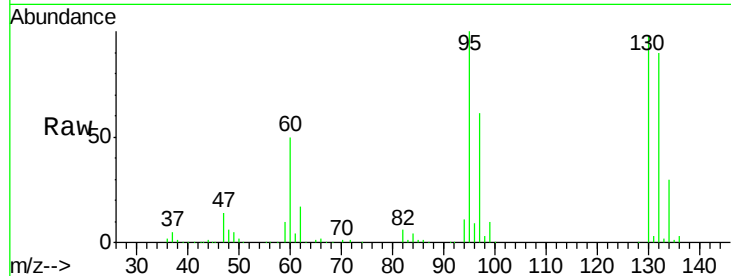
130 100

95 101.8 0.0 176.4

Manual Integrations
APPROVED

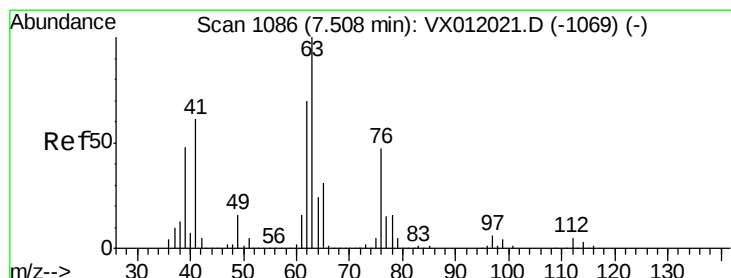
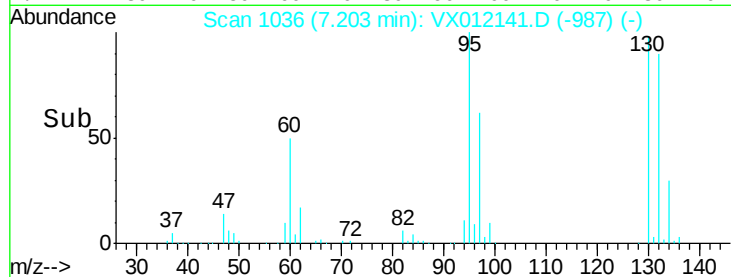
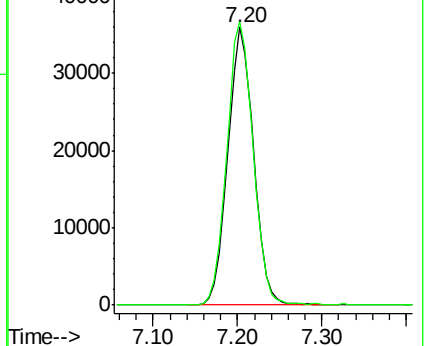
MMDadoda

9/6/2019 3:55:21 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 49.252 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012141.D

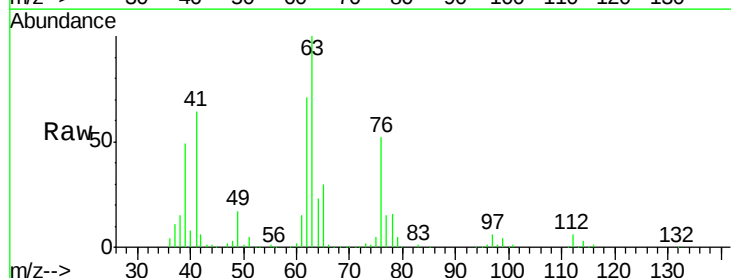
Acq: 06 Sep 2019 11:14

Tgt Ion: 63 Resp: 72286

Ion Ratio Lower Upper

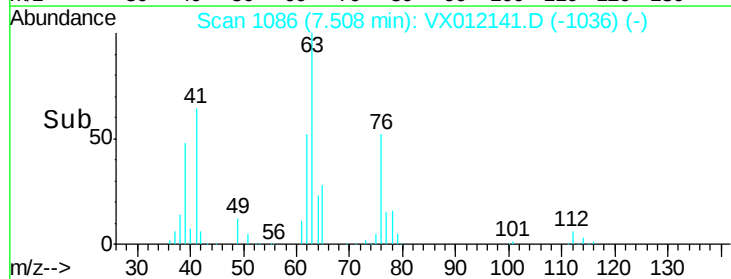
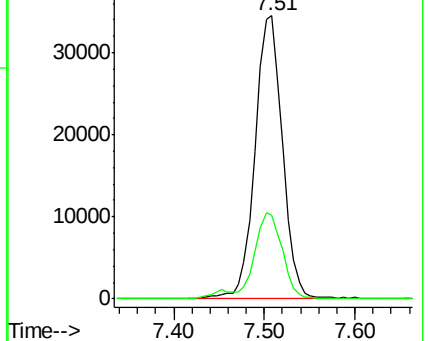
63 100

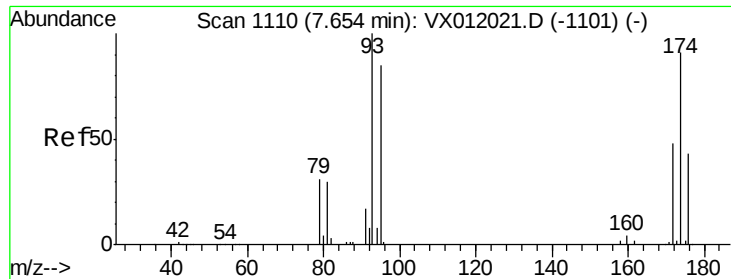
65 29.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





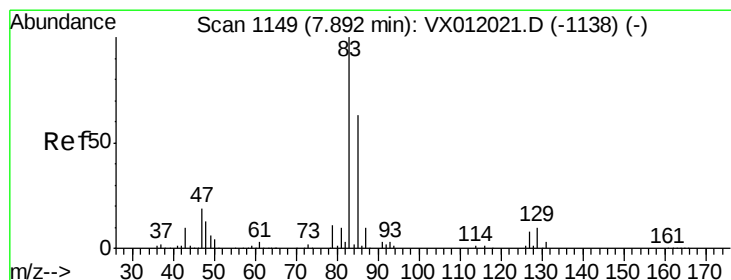
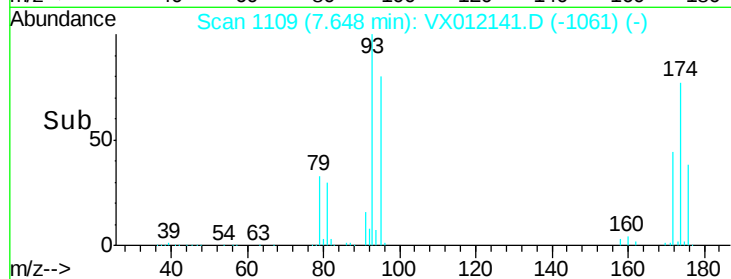
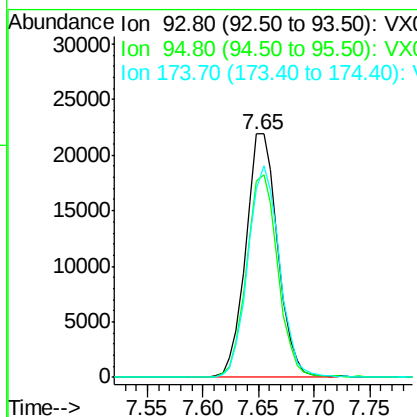
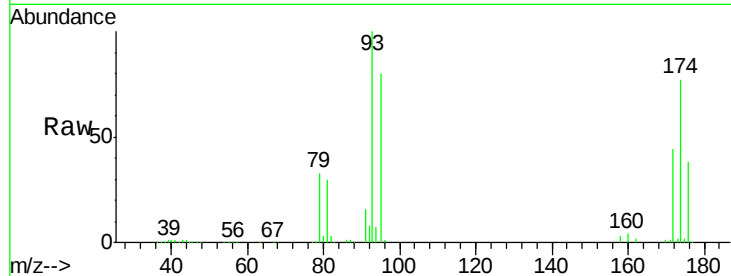
#46
Dibromomethane
Concen: 51.134 ug/l
RT: 7.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.2	99.2
174	86.1	110.2	165.4#

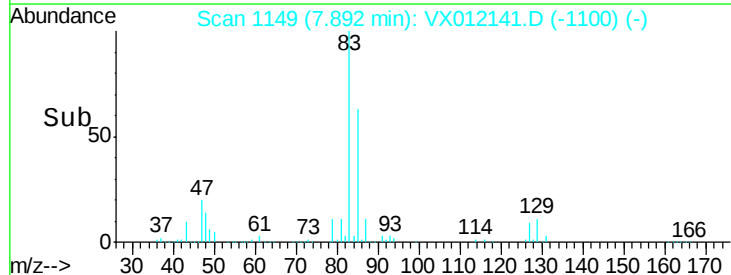
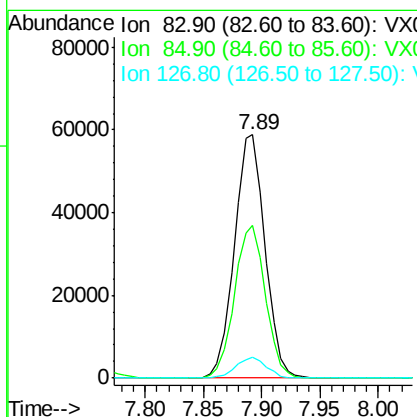
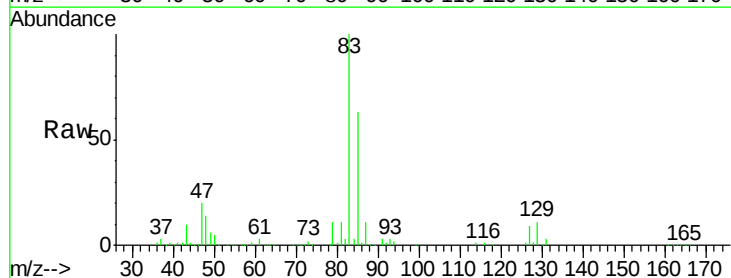
Manual Integrations
APPROVED

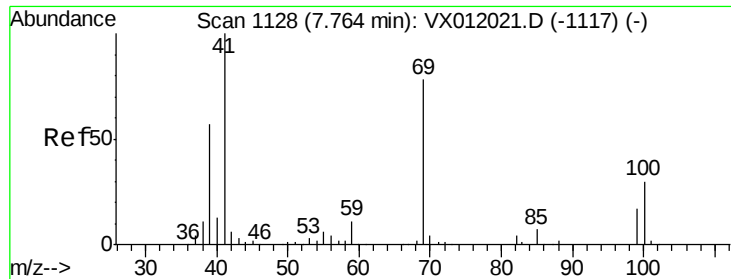
MMDadoda
9/6/2019 3:55:21 PM



#47
Bromodichloromethane
Concen: 49.602 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.3	75.5
127	8.5	8.1	12.1





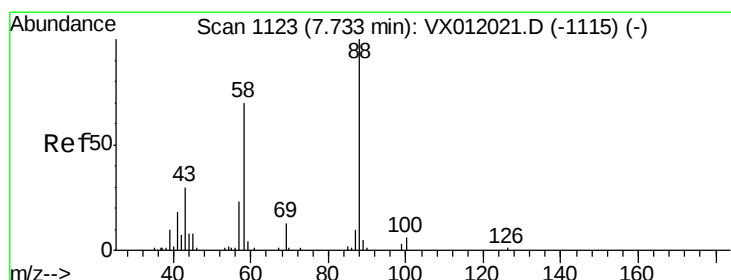
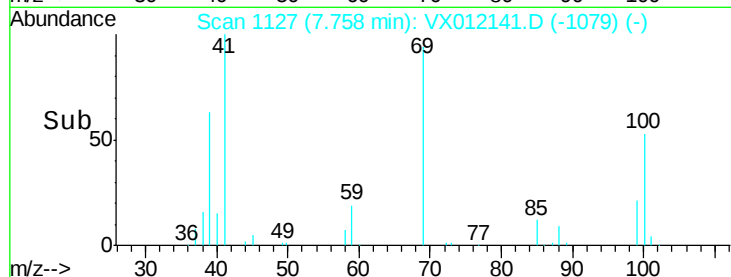
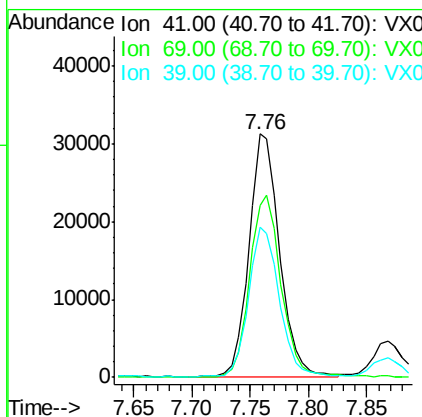
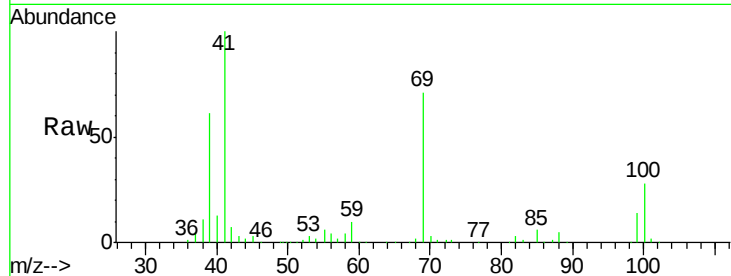
#48
Methvl methacrylate
Concen: 51.745 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
69	77.7	56925	66.3	99.5
39	61.8		48.1	72.1

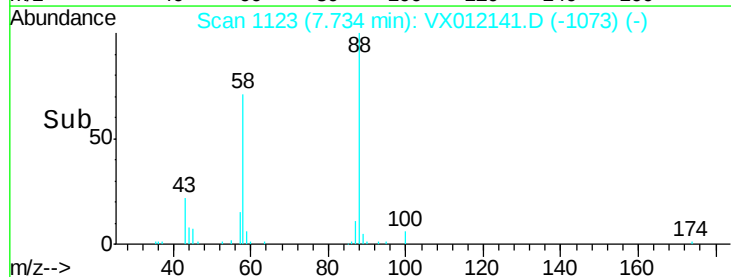
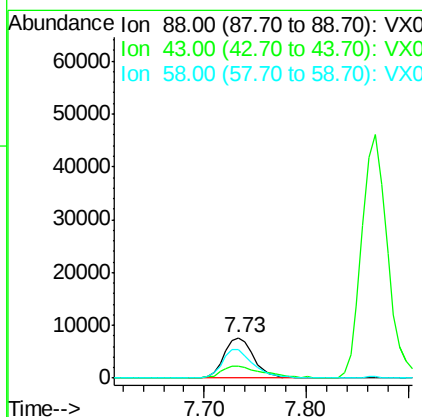
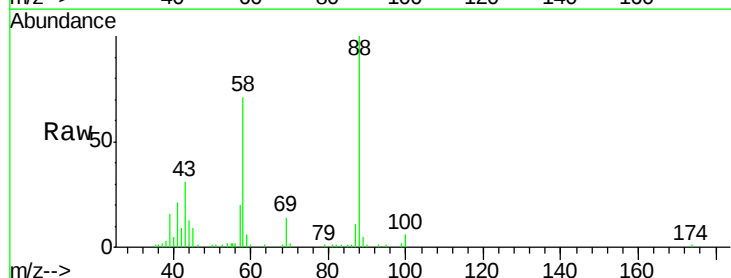
Manual Integrations
APPROVED

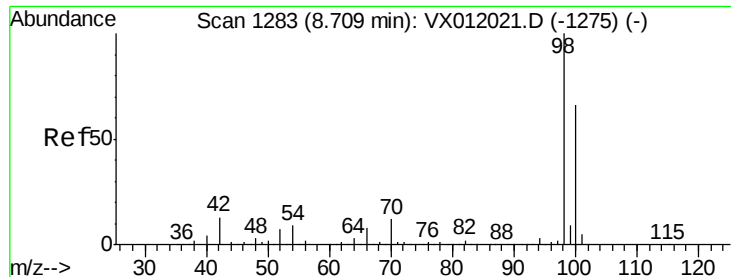
MMDadoda
9/6/2019 3:55:21 PM



#49
1,4-Dioxane
Concen: 1028.221 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	15420		
43	38.5		29.8	44.6
58	73.8		55.4	83.2





#50

Toluene-d8

Concen: 52.505 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 98 Resp: 266201

Ion Ratio Lower Upper

98 100

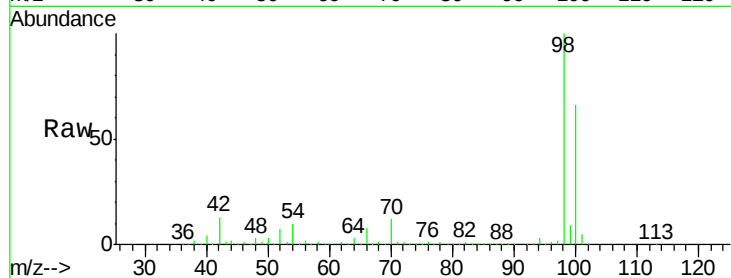
100 66.4 53.3 79.9

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

200000

150000

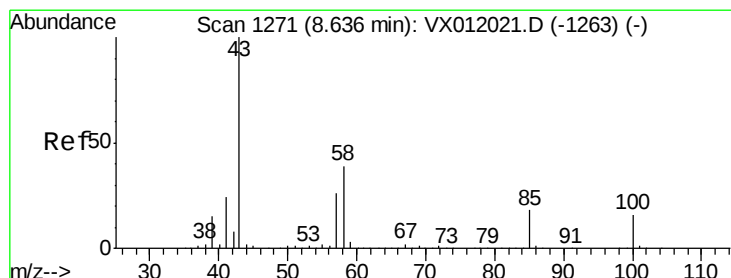
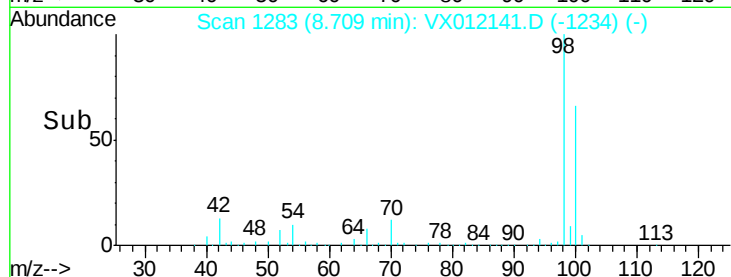
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 259.705 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012141.D

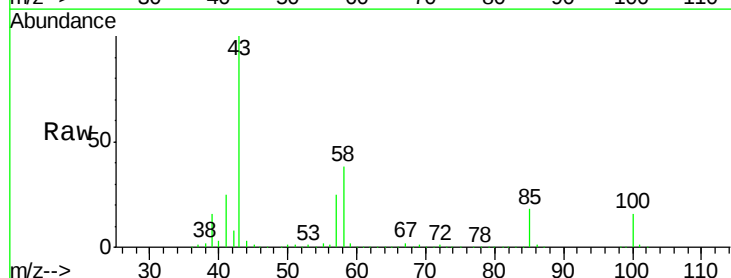
Acq: 06 Sep 2019 11:14

Tgt Ion: 43 Resp: 289015

Ion Ratio Lower Upper

43 100

58 37.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200000

150000

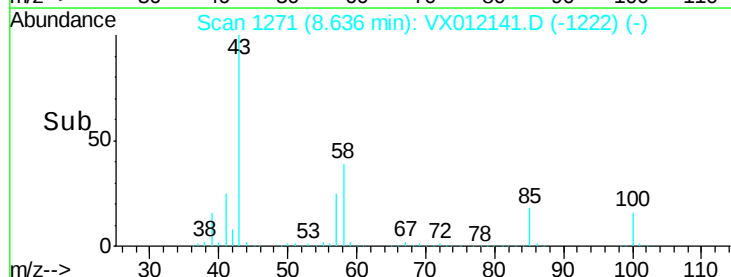
100000

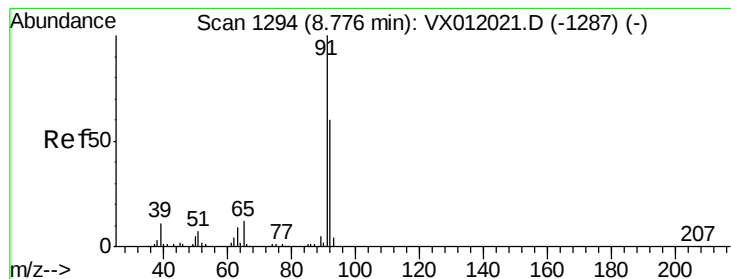
50000

0

8.55 8.60 8.65 8.70

Time-->





#52

Toluene

Concen: 48.211 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 92 Resp: 178191

Ion Ratio Lower Upper

92 100

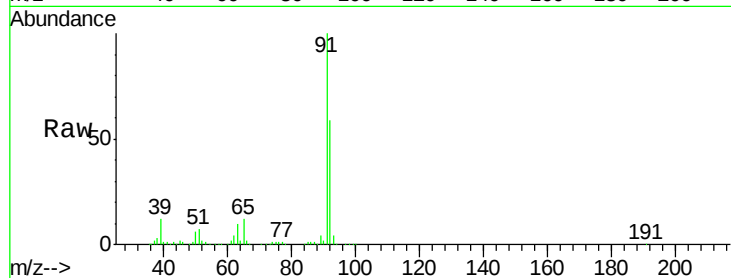
91 168.5 136.0 204.0

Manual Integrations

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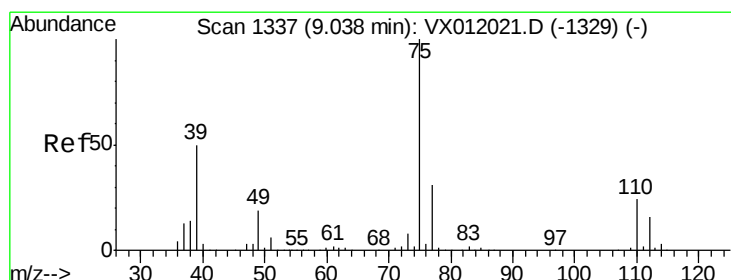
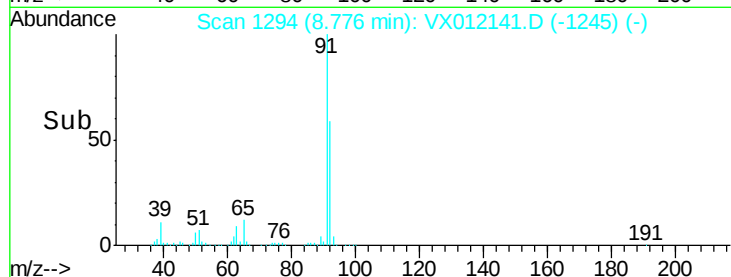
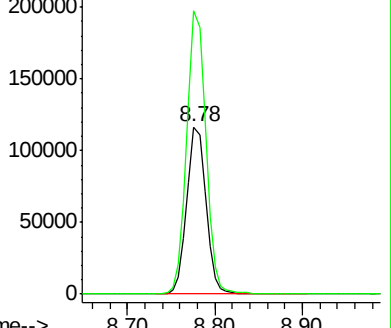
MMDadoda

9/6/2019 3:55:21 PM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 44.033 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012141.D

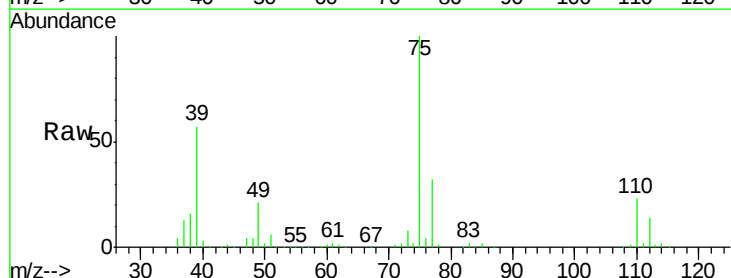
Acq: 06 Sep 2019 11:14

Tgt Ion: 75 Resp: 99280

Ion Ratio Lower Upper

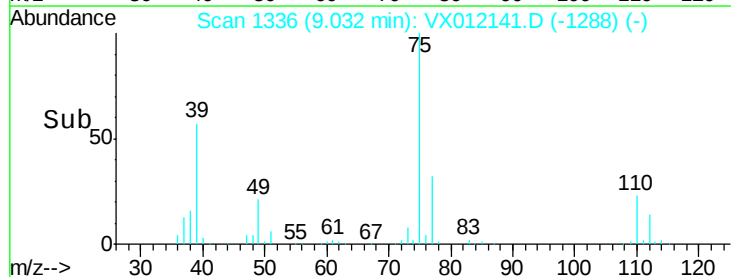
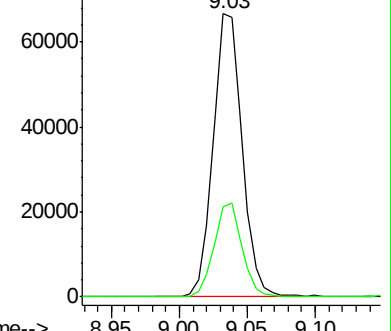
75 100

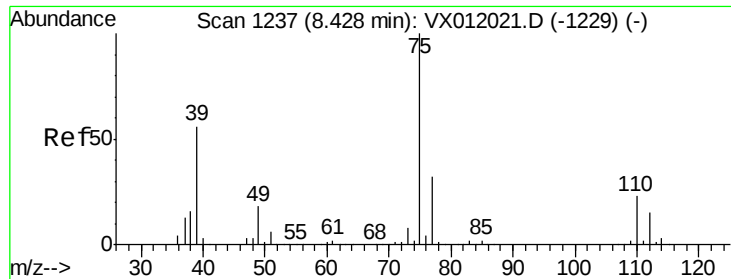
77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

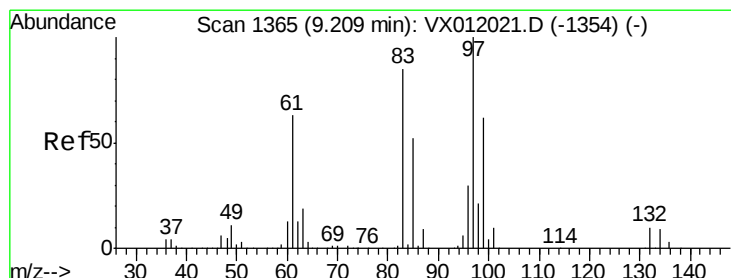
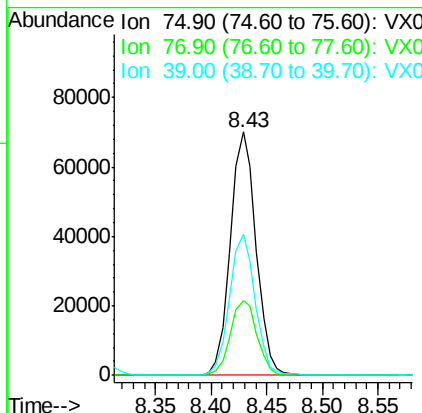
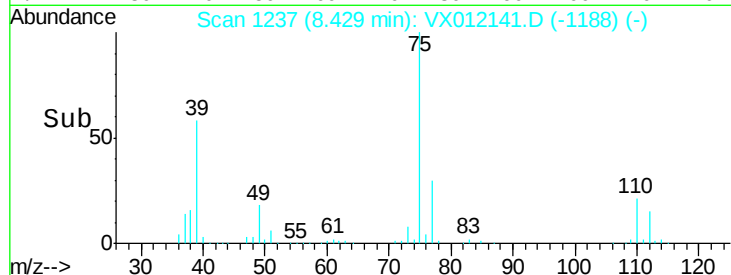
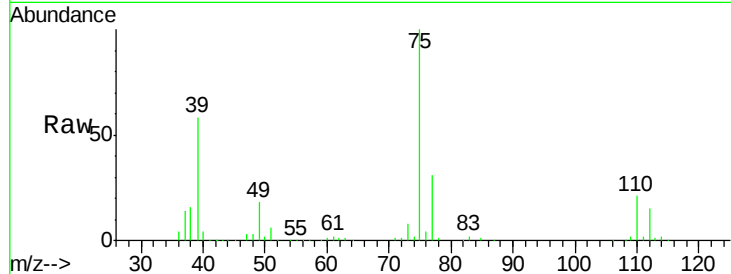
cis-1,3-Dichloropropene
 Concen: 44.681 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	75	Resp:	112026
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	58.0	43.0	64.4

Manual Integrations
 APPROVED

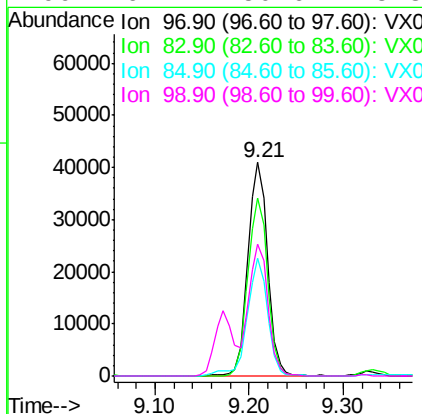
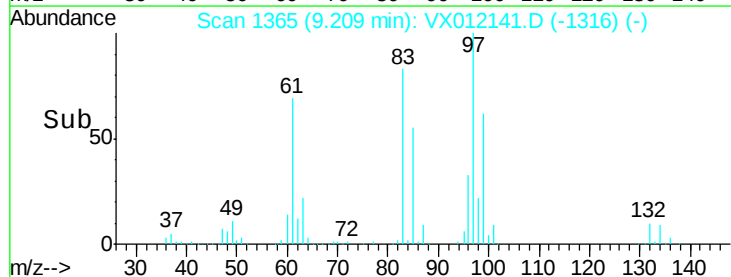
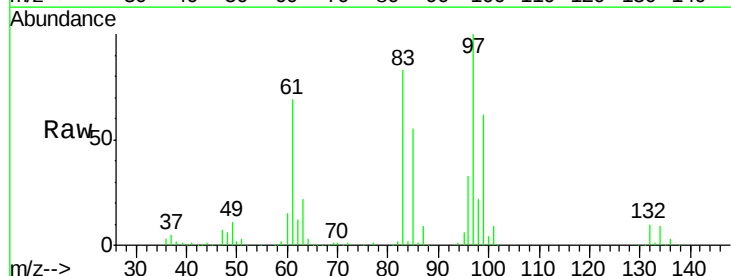
MMDadoda
 9/6/2019 3:55:21 PM

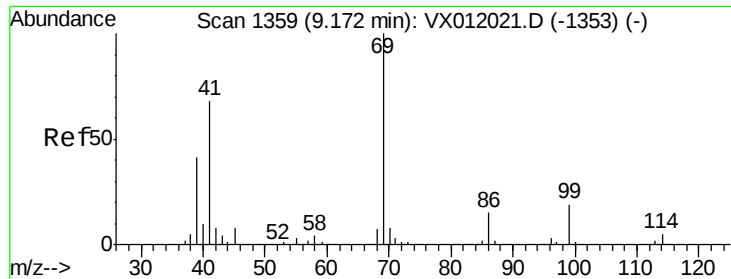


#55

1,1,2-Trichloroethane
 Concen: 49.198 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion:	97	Resp:	60262
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.0	99.0
85	54.9	41.0	61.6
99	61.7	50.6	75.8





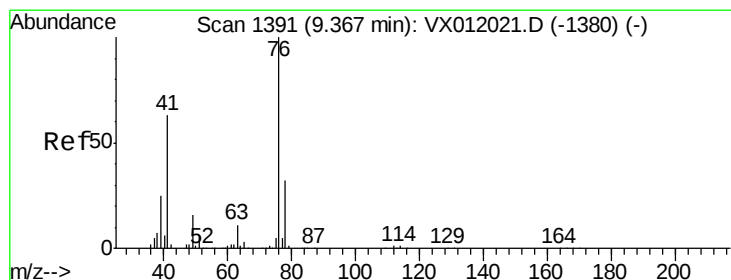
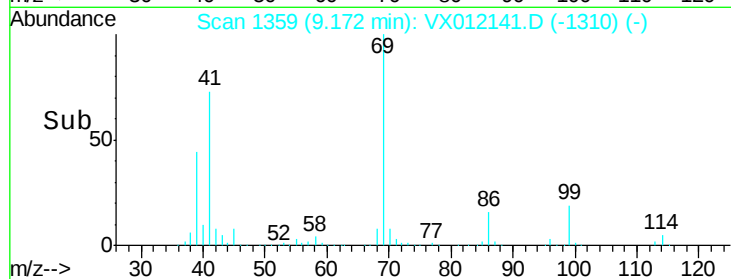
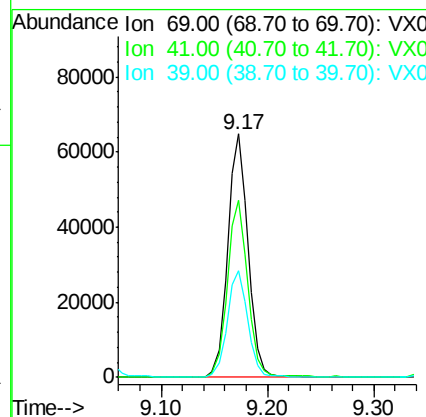
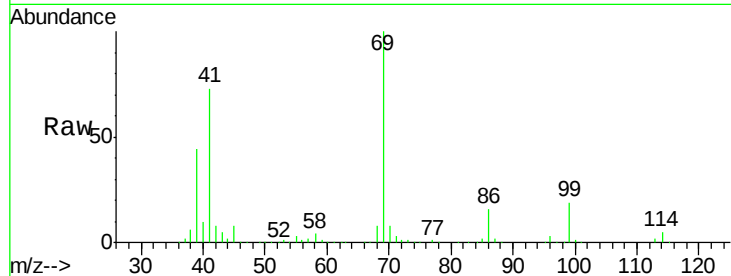
#56
Ethyl methacrylate
Concen: 49.476 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	72.2	53.9	80.9
39	43.6	31.1	46.7

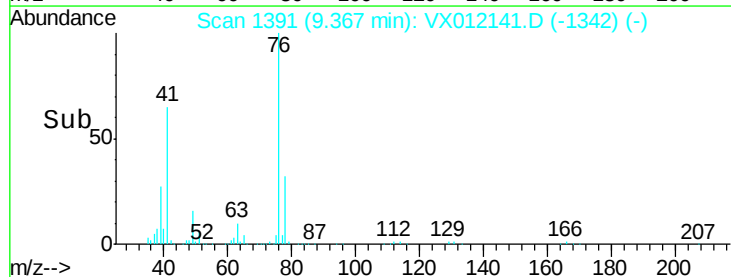
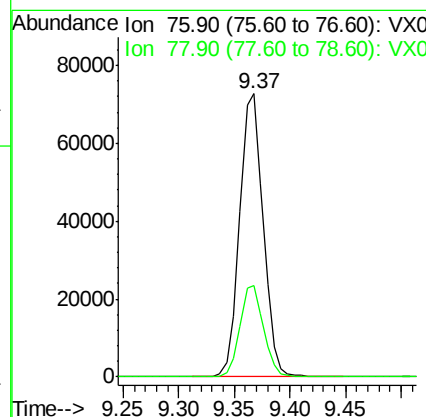
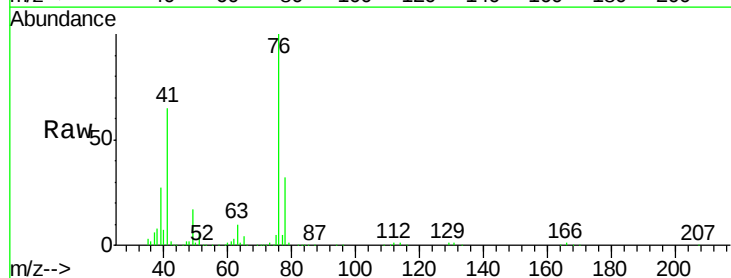
Manual Integrations
APPROVED

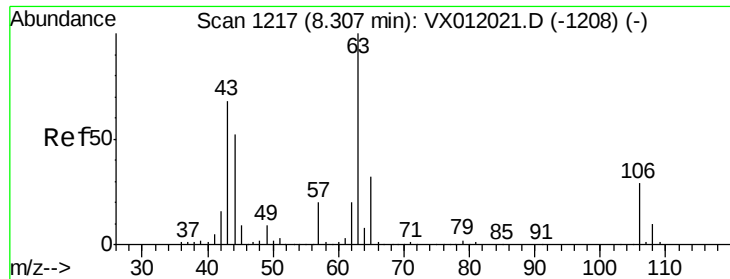
MMDadoda
9/6/2019 3:55:21 PM



#57
1,3-Dichloropropane
Concen: 50.380 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3





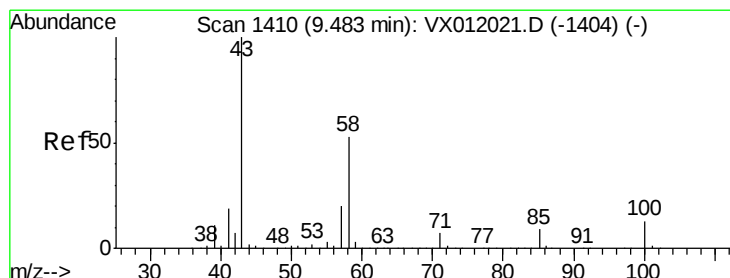
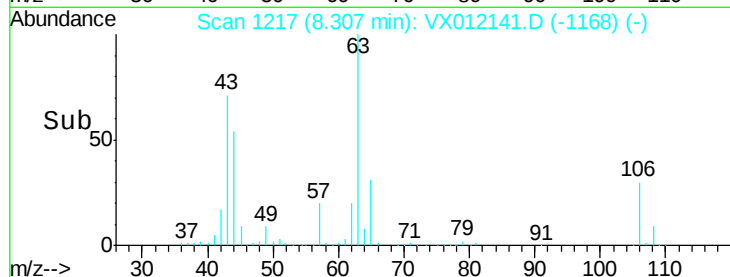
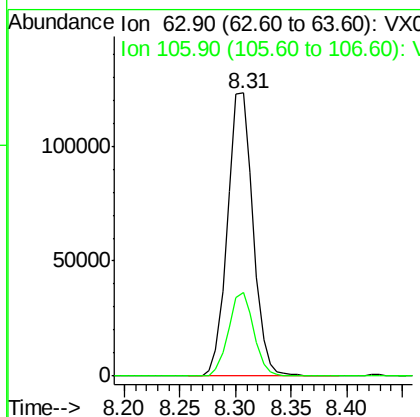
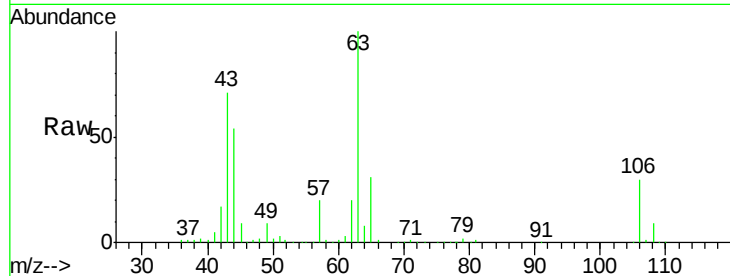
#58
2-Chloroethyl Vinyl ether
Concen: 247.905 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 196092
Ion Ratio Lower Upper
63 100
106 29.3 26.5 39.7

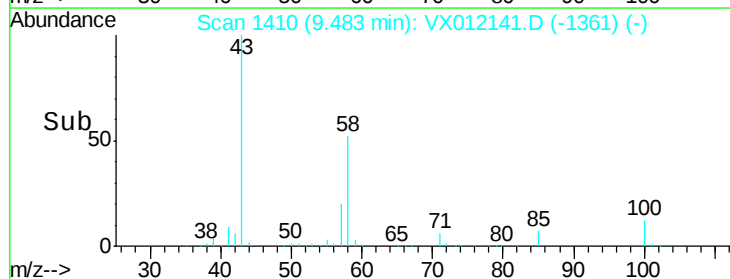
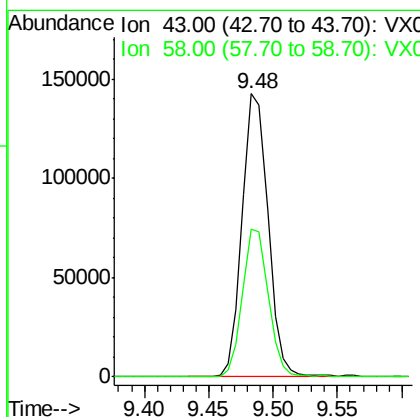
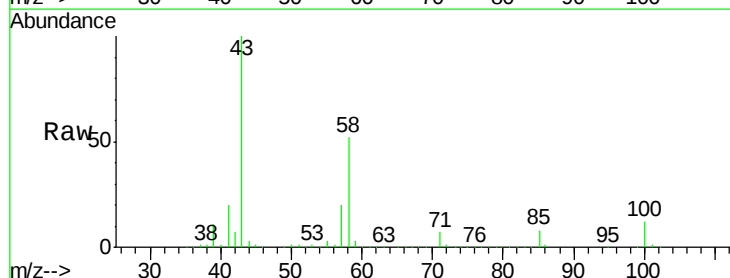
Manual Integrations
APPROVED

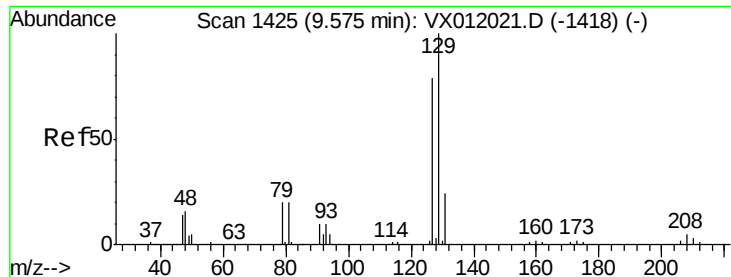
MMDadoda
9/6/2019 3:55:21 PM



#59
2-Hexanone
Concen: 245.532 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion: 43 Resp: 199379
Ion Ratio Lower Upper
43 100
58 52.6 27.2 81.6





#60

Dibromochloromethane

Concen: 49.740 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:129 Resp: 72612

Ion Ratio Lower Upper

129 100

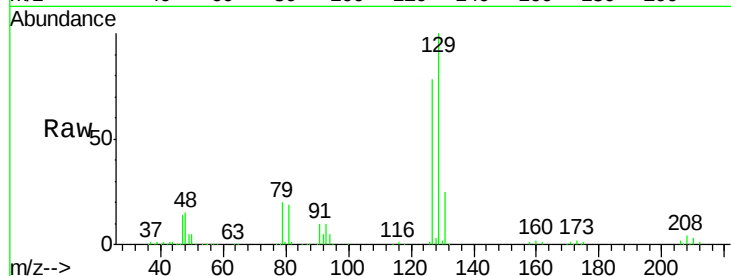
127 77.1 38.1 114.5

Manual Integrations

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9/6/2019 3:55:21 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

50000

40000

30000

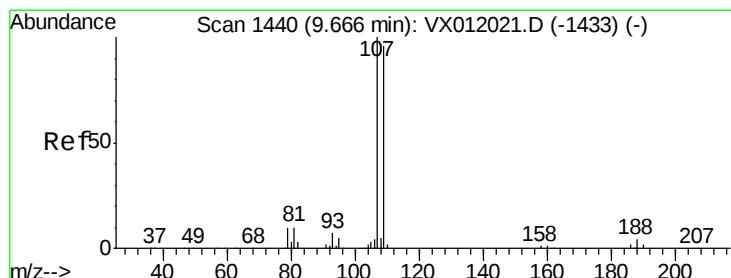
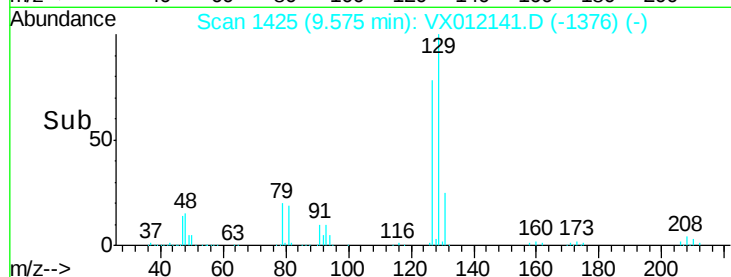
20000

10000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 49.737 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012141.D

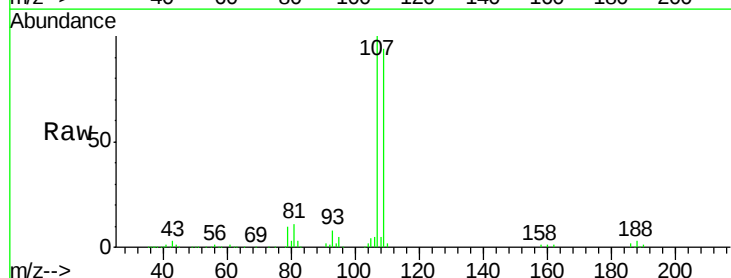
Acq: 06 Sep 2019 11:14

Tgt Ion:107 Resp: 58869

Ion Ratio Lower Upper

107 100

109 95.0 76.9 115.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

30000

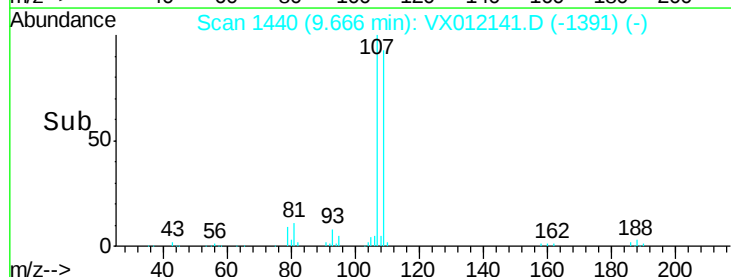
20000

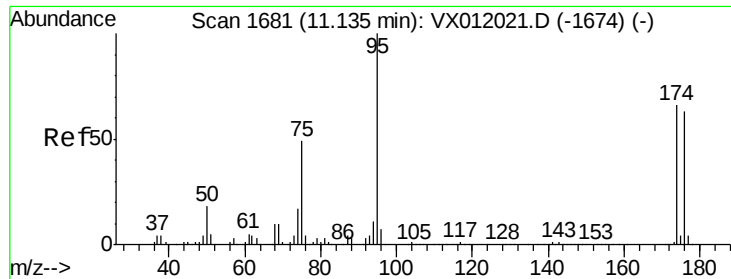
10000

0

9.60 9.65 9.70 9.75

Time-->





#62

4-Bromofluorobenzene

Concen: 49.356 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

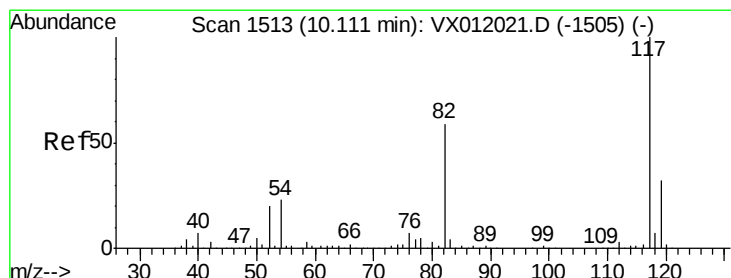
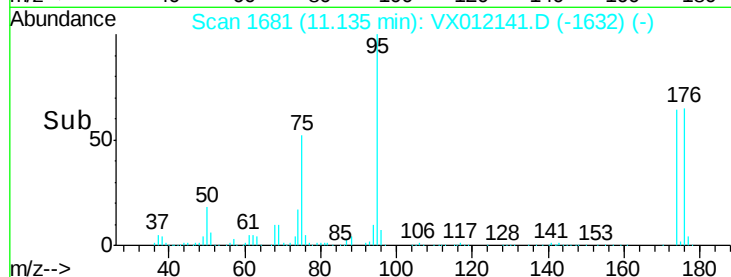
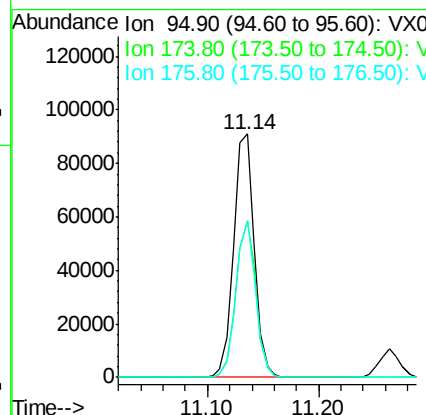
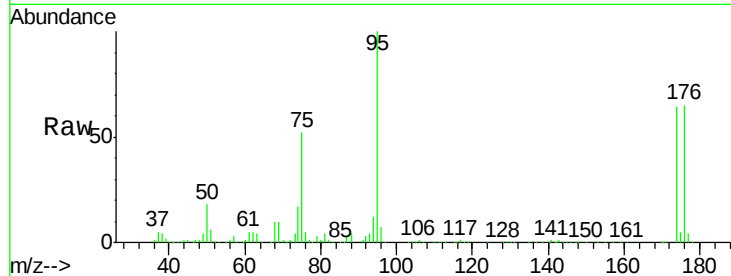
ClientSampleId :

VSTDCCC050EC

Tot Ion:	95	Resp:	116374
Ion Ratio	Lower	Upper	
95	100		
174	62.6	0.0	205.4
176	61.2	0.0	201.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

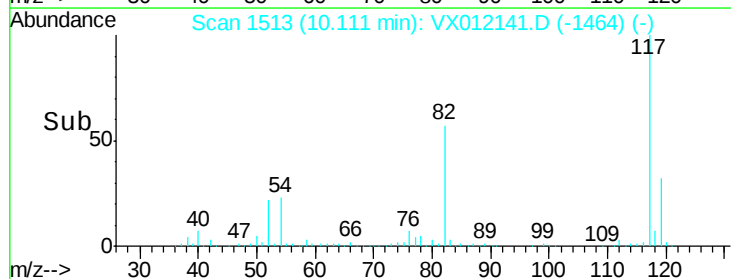
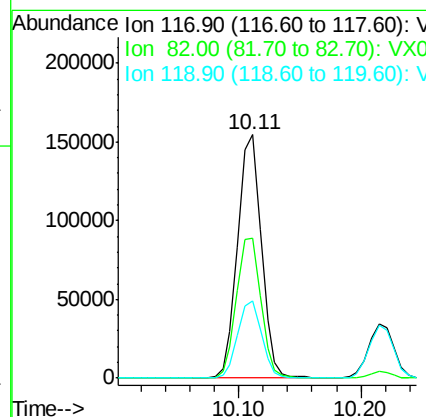
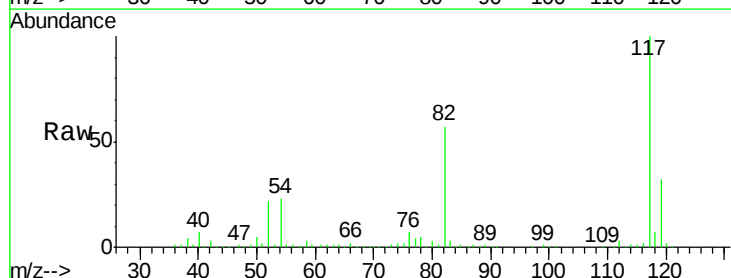
RT: 10.11 min Scan# 1513

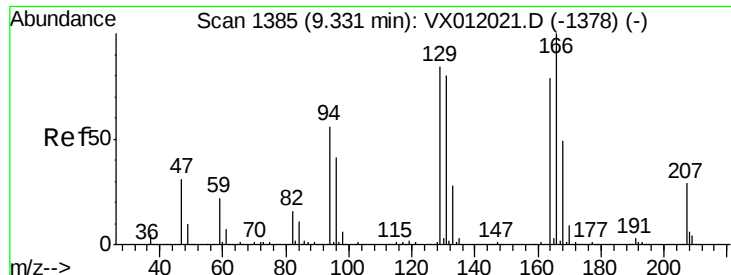
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion:	117	Resp:	207259
Ion Ratio	Lower	Upper	
117	100		
82	57.4	39.4	59.0
119	31.8	26.1	39.1





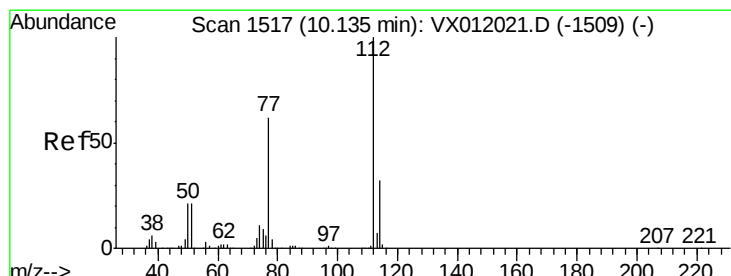
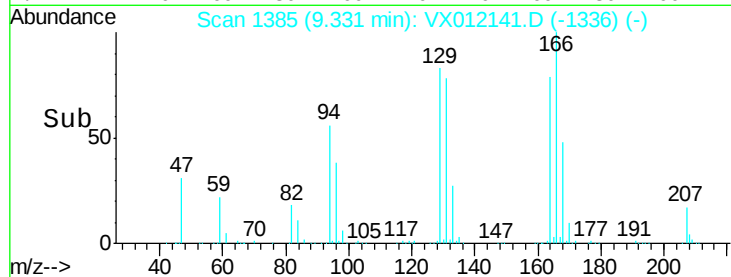
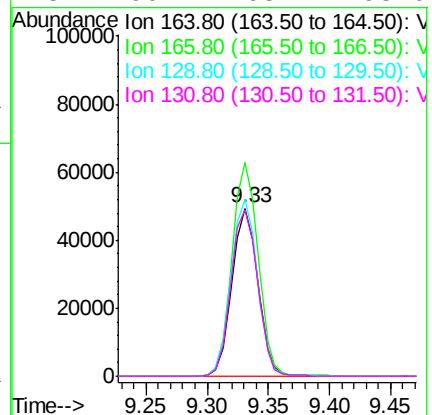
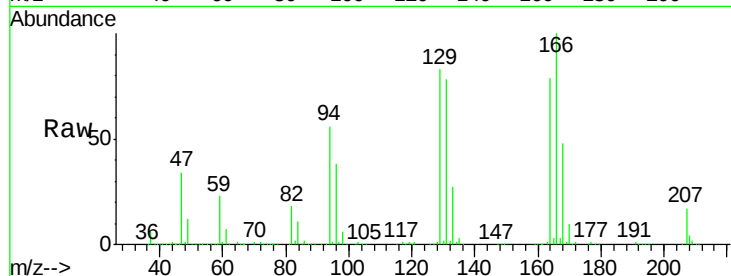
#64
Tetrachloroethene
Concen: 56.205 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.3	156.5
129	105.2	68.3	102.5
131	99.4	65.4	98.0

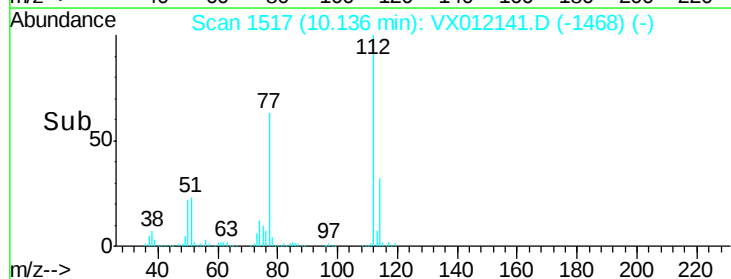
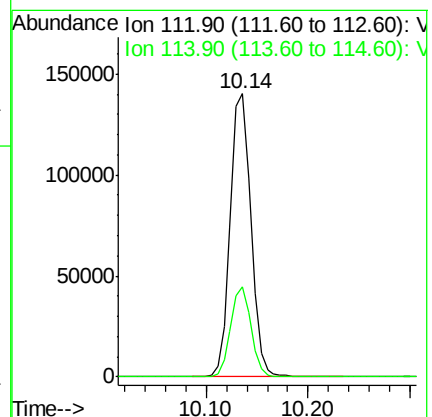
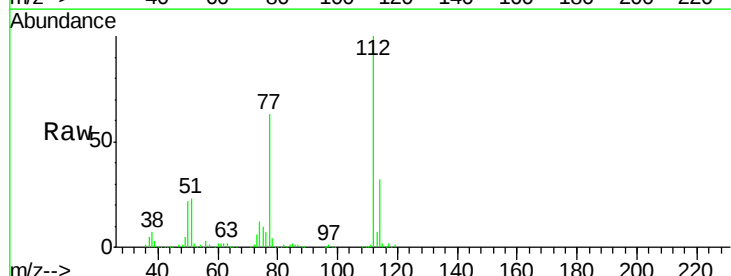
Manual Integrations
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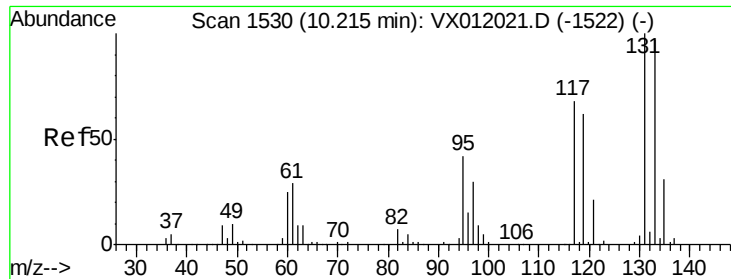
MMDadoda
9/6/2019 3:55:21 PM



#65
Chlorobenzene
Concen: 48.164 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.2	39.2





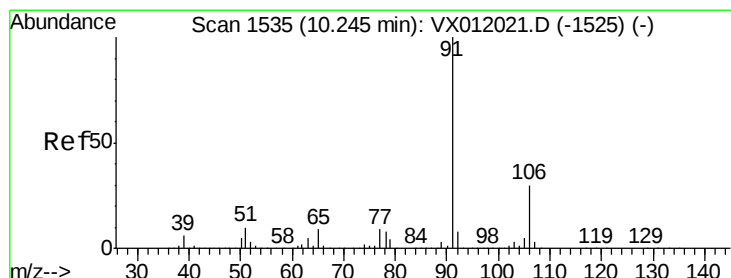
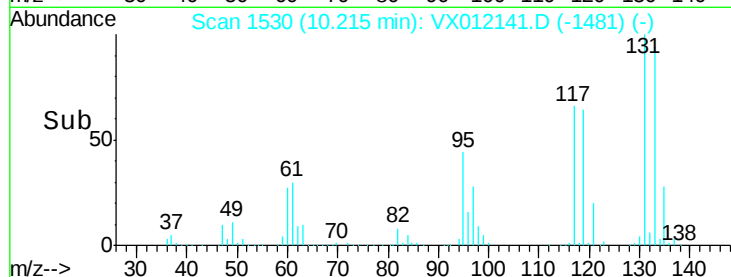
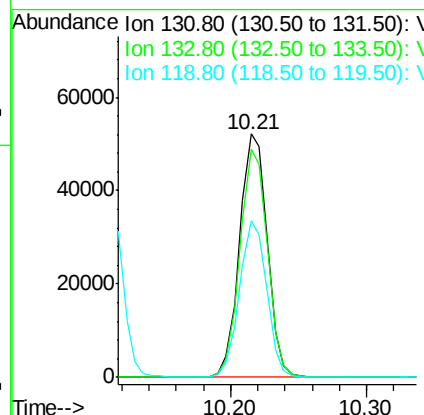
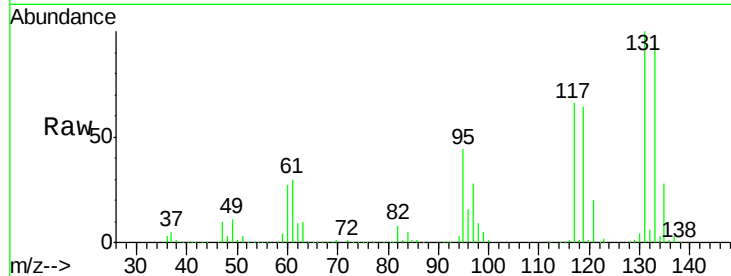
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.292 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.4	145.0
119	63.6	30.5	91.5

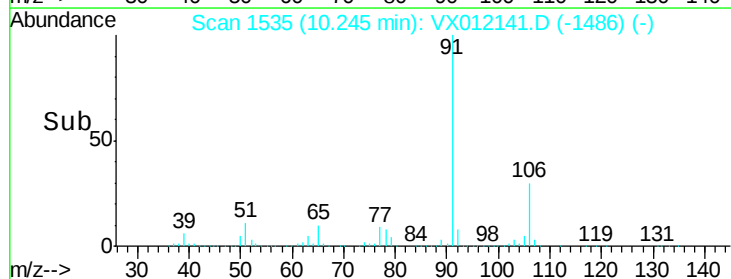
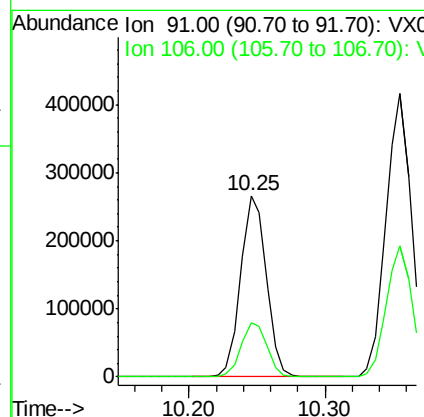
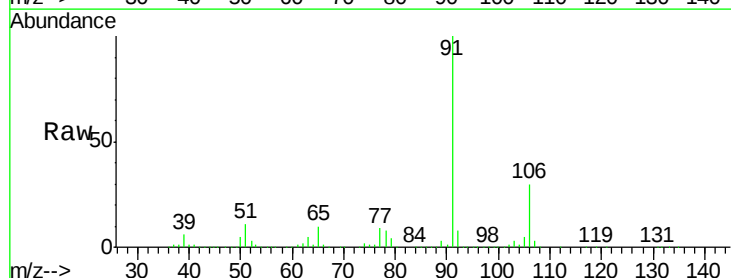
Manual Integrations
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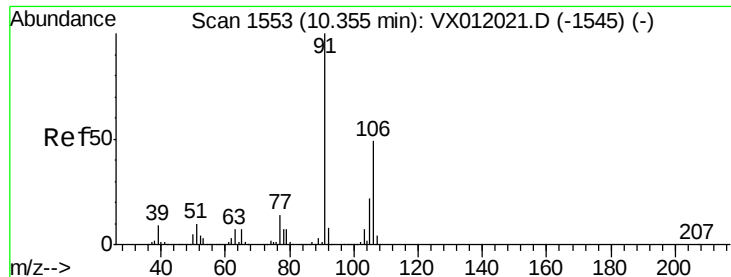
MMDadoda
 9/6/2019 3:55:21 PM



#67
 Ethyl Benzene
 Concen: 47.045 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.8	38.8





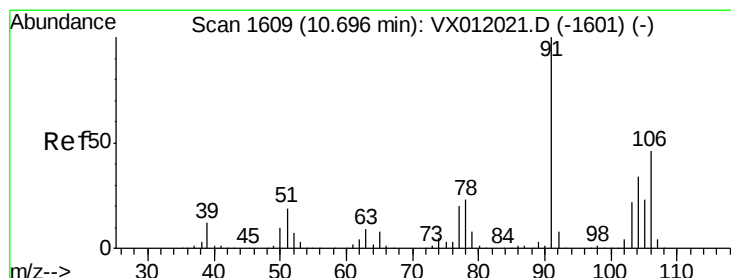
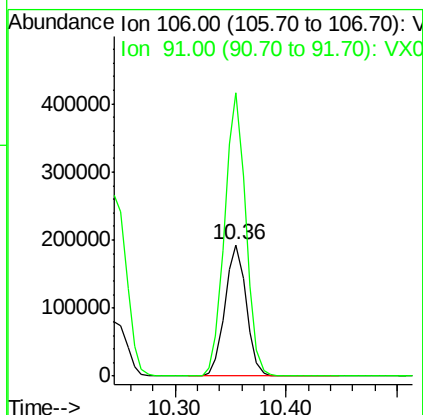
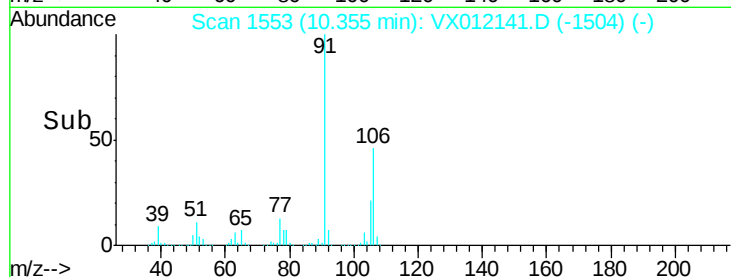
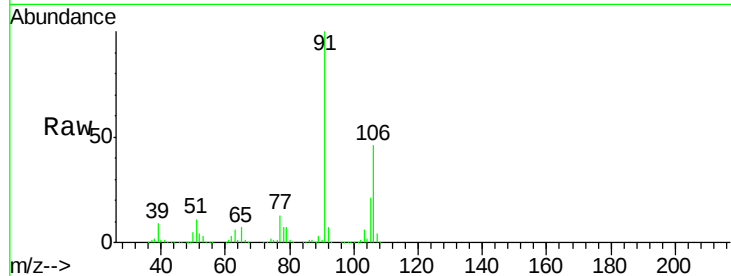
#68
m/p-Xylenes
Concen: 92.887 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		255104		
91	214.0	157.5	236.3		

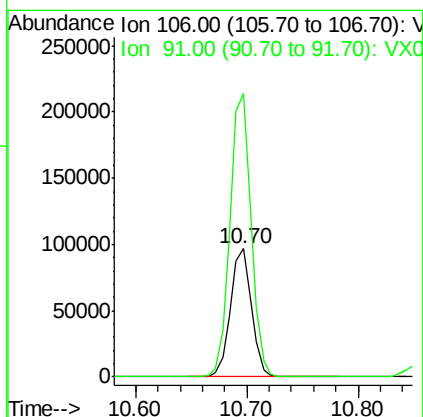
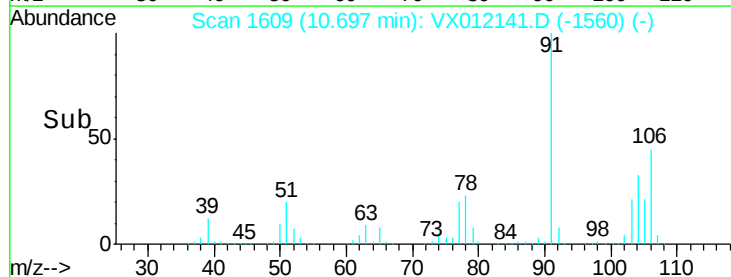
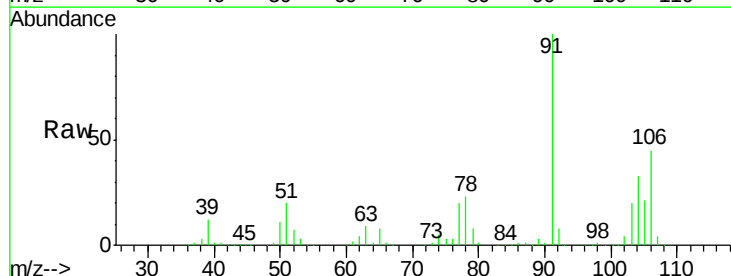
Manual Integrations
APPROVED

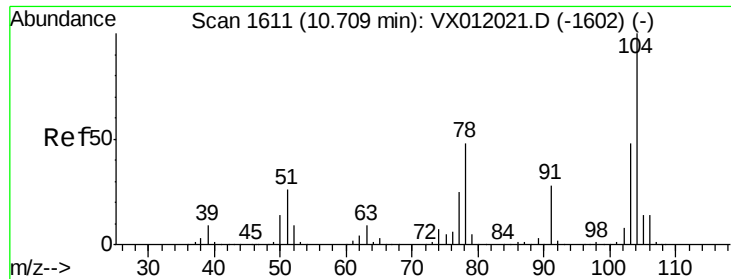
MMDadoda
9/6/2019 3:55:21 PM



#69
o-Xylene
Concen: 47.178 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		125642		
91	223.0	103.5	310.3		





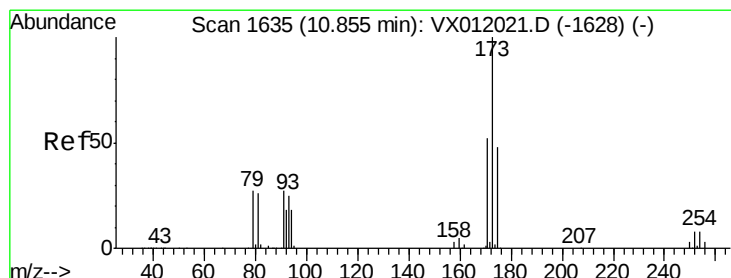
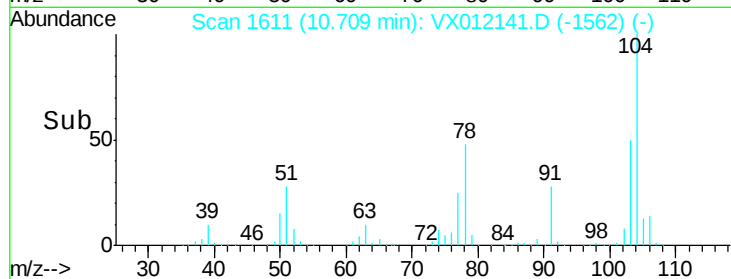
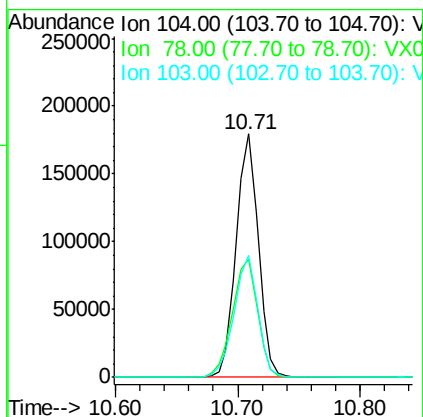
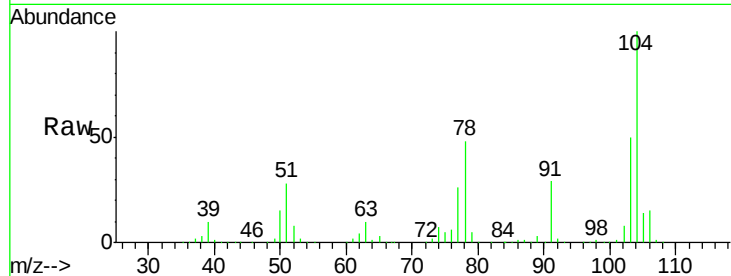
#70
Stvrene
Concen: 48.552 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	224588		
78	55.4		39.1	58.7
103	53.8		43.4	65.2

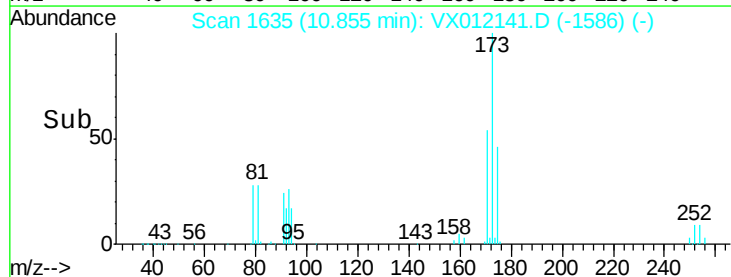
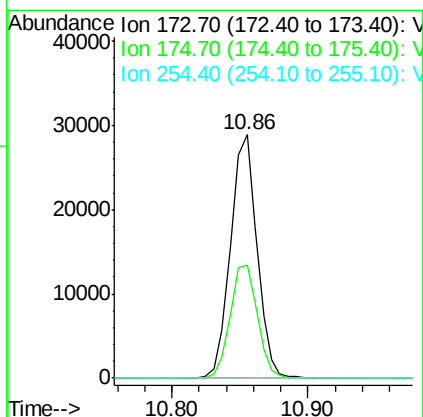
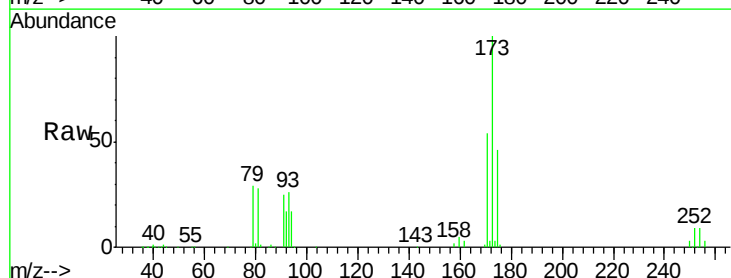
Manual Integrations
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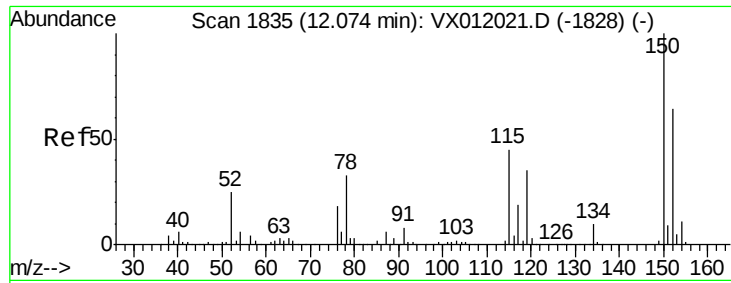
MMDadoda
9/6/2019 3:55:21 PM



#71
Bromoform
Concen: 47.586 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	39081		
175	47.8		24.9	74.7
254	0.0		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 99715

Ion Ratio Lower Upper

152 100

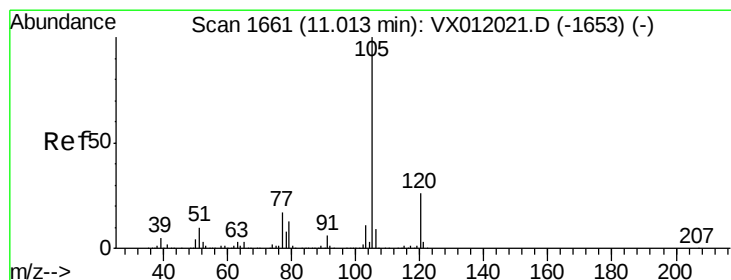
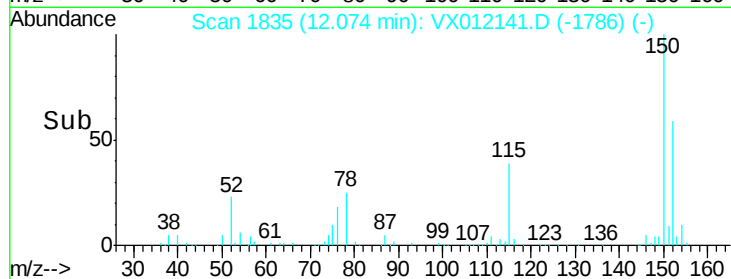
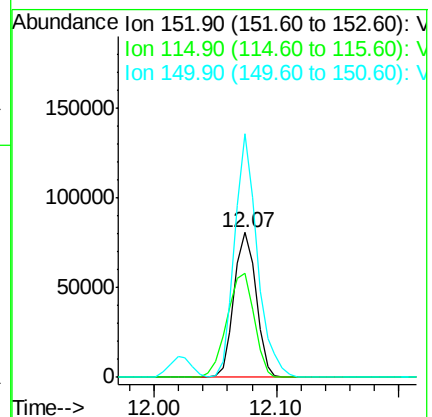
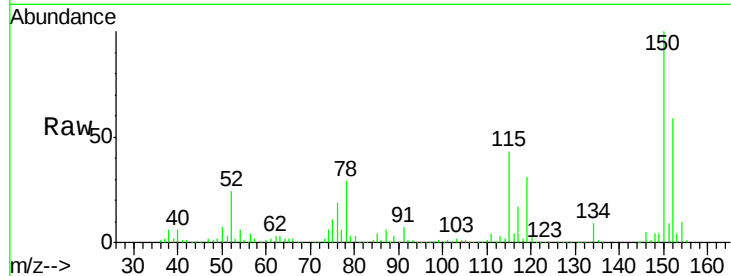
115 89.6 36.4 109.3

150 173.1 0.0 341.2

Manual Integrations
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9/6/2019 3:55:21 PM



#73

Isopropylbenzene

Concen: 46.721 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012141.D

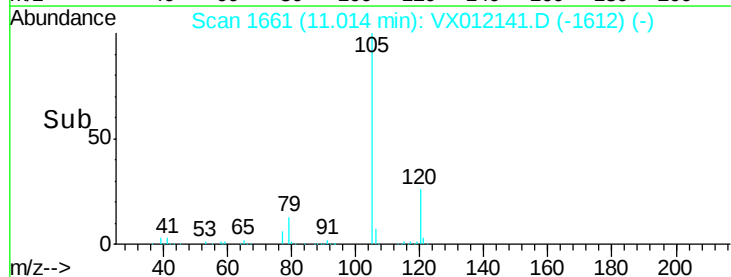
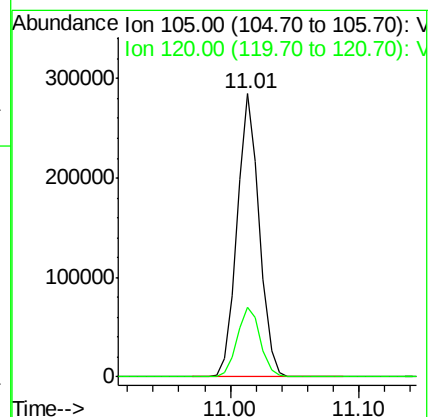
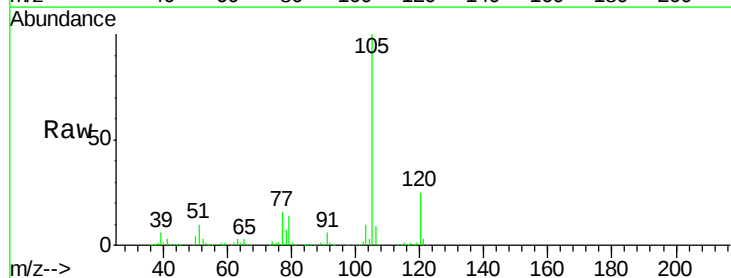
Acq: 06 Sep 2019 11:14

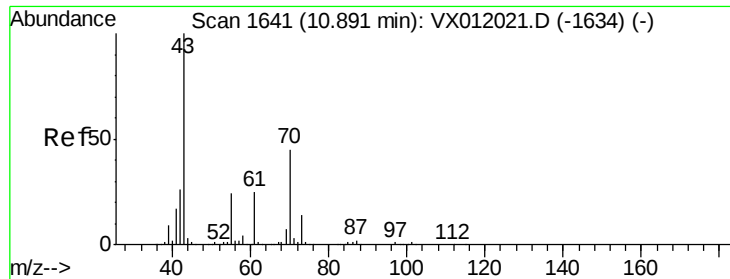
Tgt Ion:105 Resp: 341824

Ion Ratio Lower Upper

105 100

120 25.5 13.9 41.6





#74

N-amvl acetate

Concen: 43.799 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

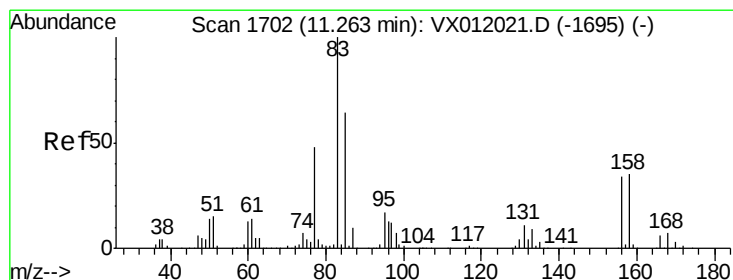
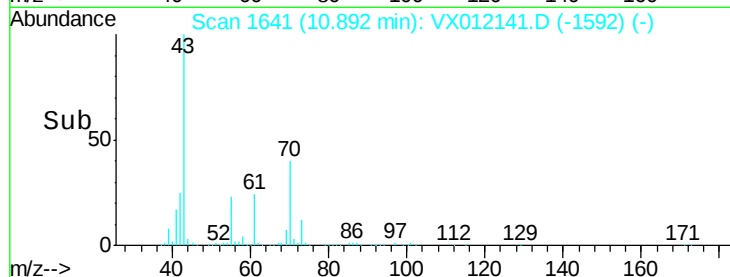
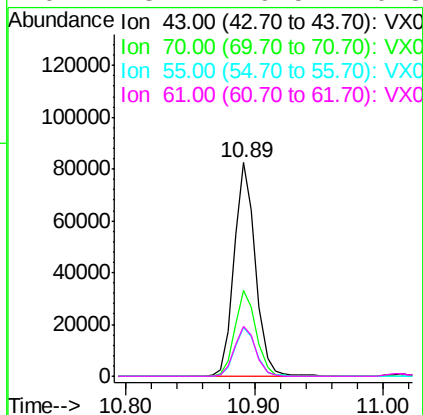
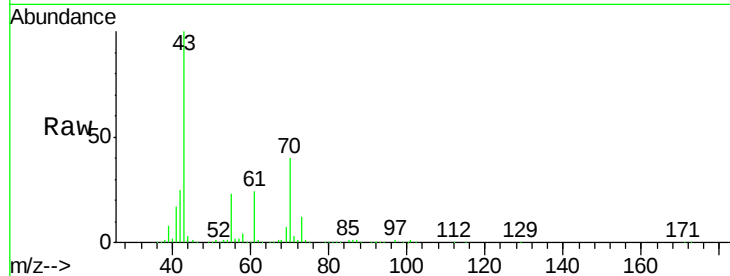
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100			
70	70	40.6		34.4	51.6
55	55	23.6		18.5	27.7
61	61	23.7		19.5	29.3

Manual Integrations
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9/6/2019 3:55:21 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 47.251 ug/l

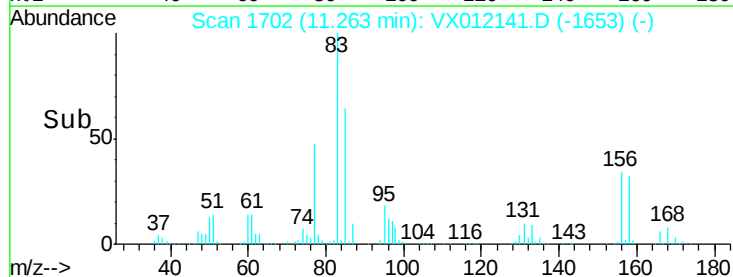
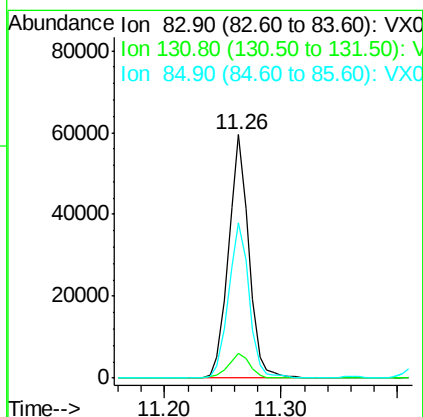
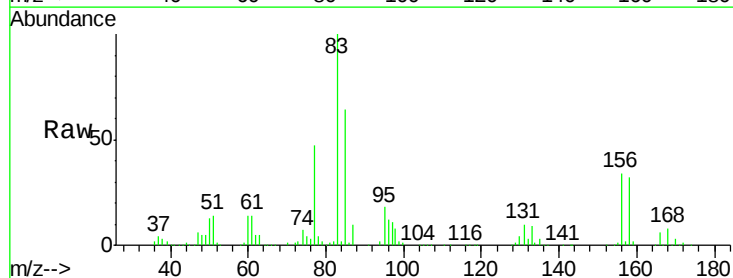
RT: 11.26 min Scan# 1702

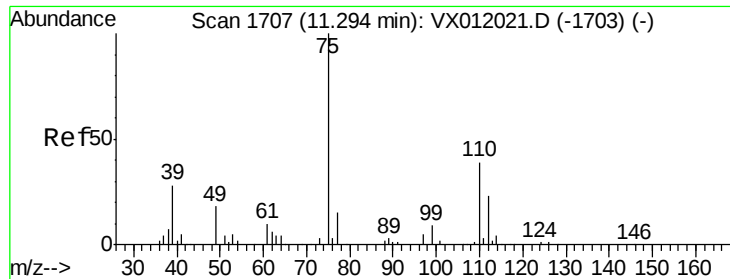
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100			
131	131	11.0		6.3	19.1
85	85	65.1		32.5	97.4





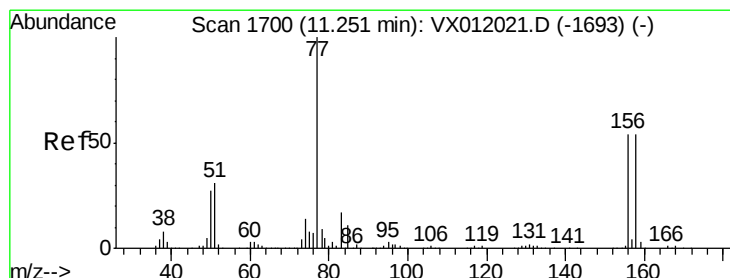
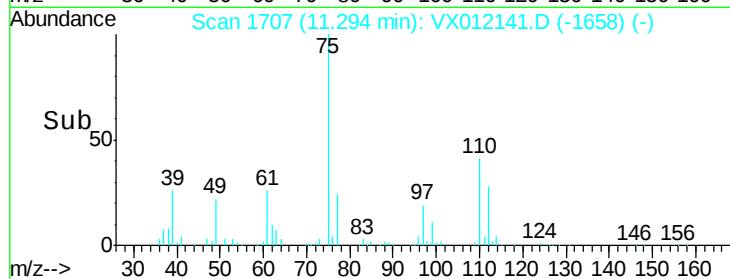
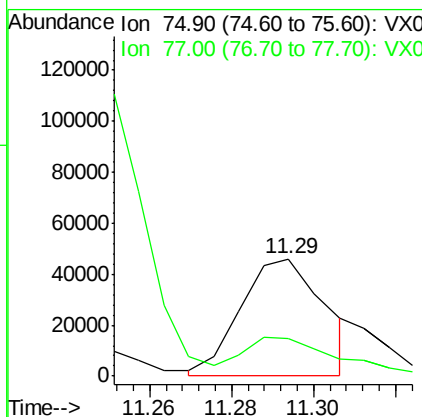
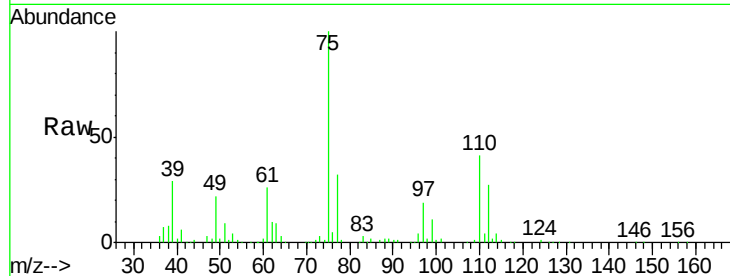
#76
 1,2,3-Trichloropropane
 Concen: 53.472 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 65148
 Ion Ratio Lower Upper
 75 100
 77 37.1 23.5 70.5

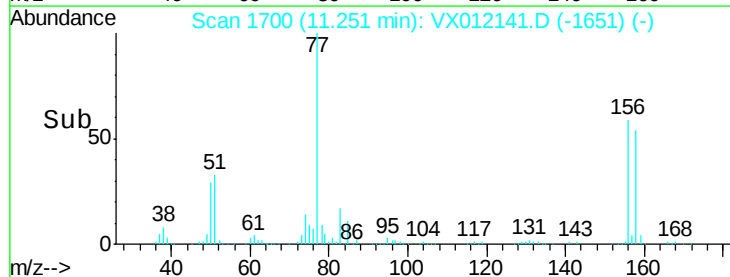
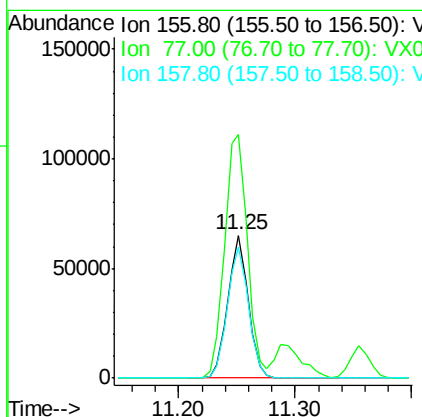
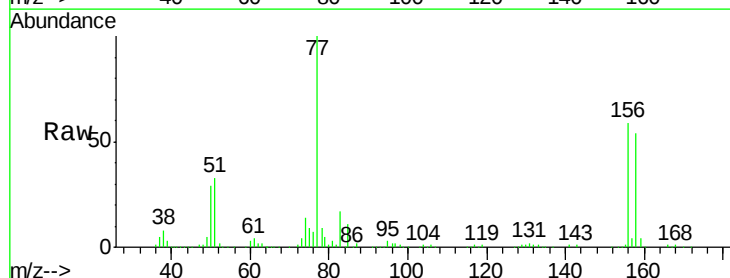
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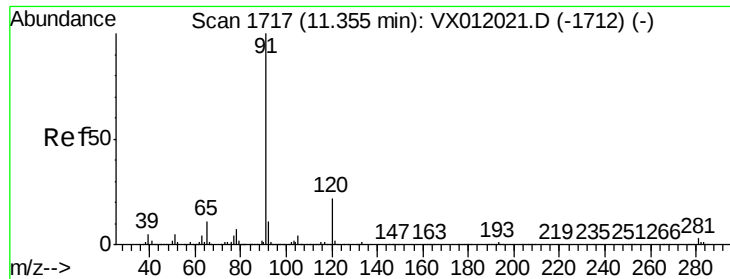
MMDadoda
 9/6/2019 3:55:21 PM



#77
 Bromobenzene
 Concen: 48.439 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion: 156 Resp: 79260
 Ion Ratio Lower Upper
 156 100
 77 189.6 63.4 190.2
 158 95.2 48.9 146.6





#78

n-propylbenzene

Concen: 45.618 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 403211

Ion Ratio Lower Upper

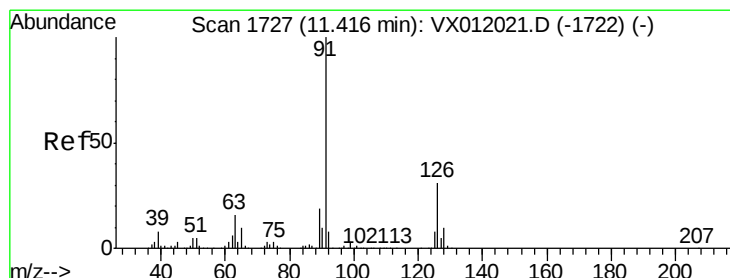
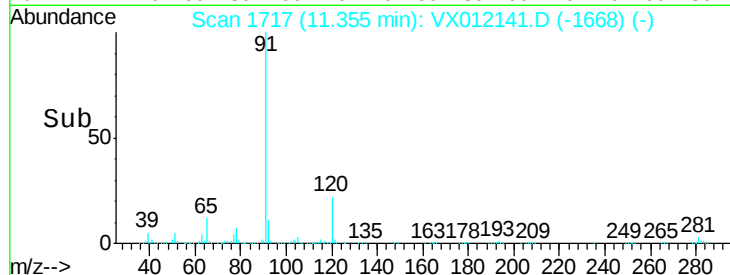
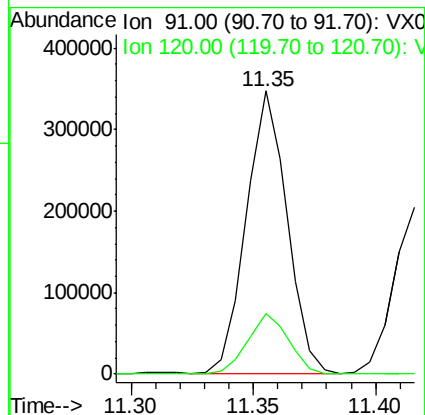
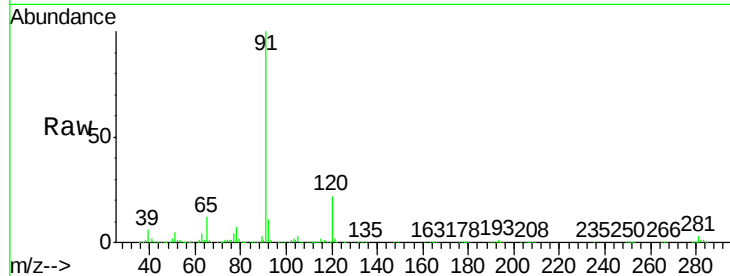
91 100

120 21.8 12.7 38.0

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#79

2-Chlorotoluene

Concen: 47.087 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012141.D

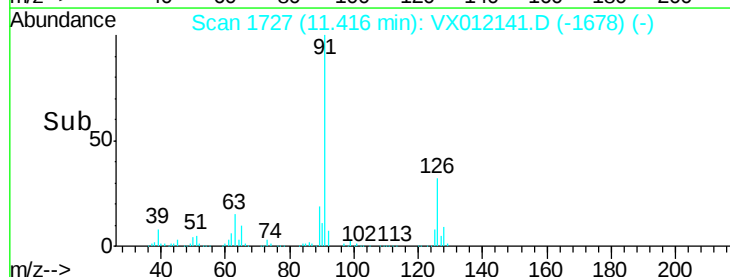
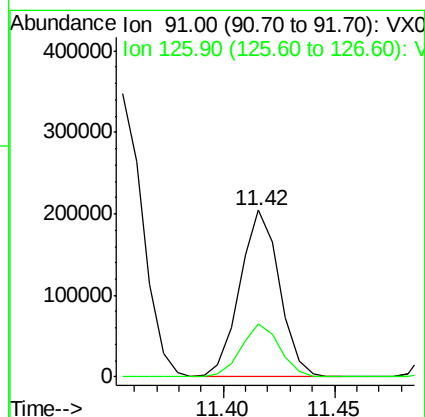
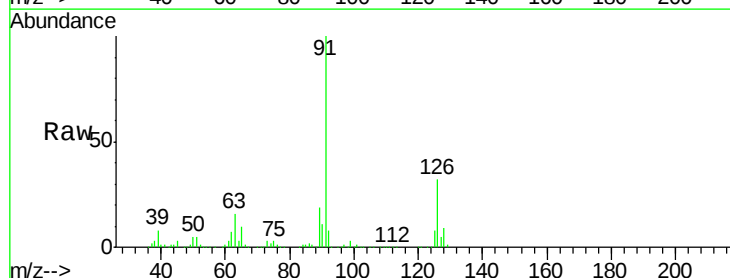
Acq: 06 Sep 2019 11:14

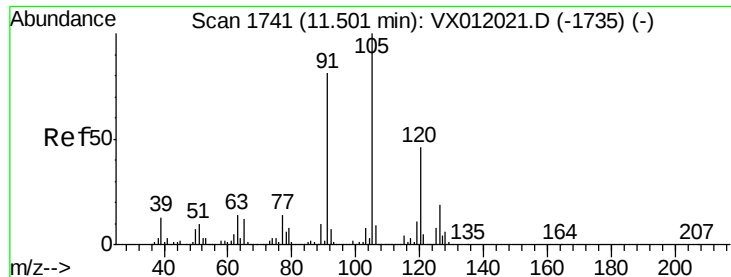
Tgt Ion: 91 Resp: 252144

Ion Ratio Lower Upper

91 100

126 31.4 18.6 55.8





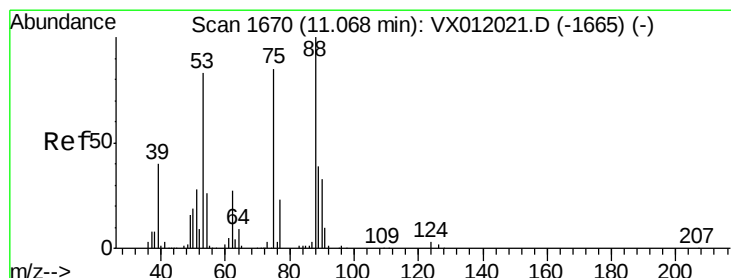
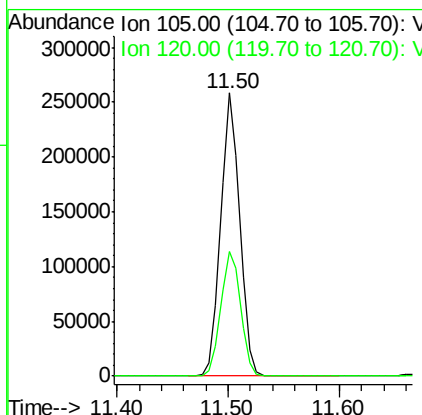
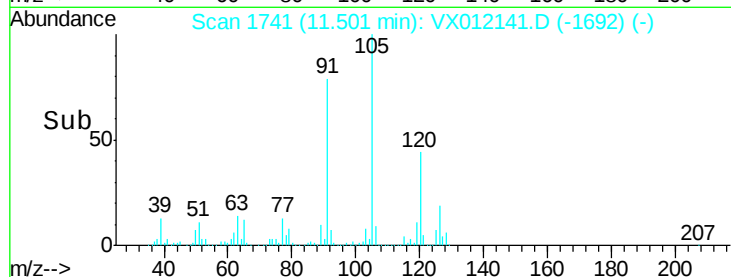
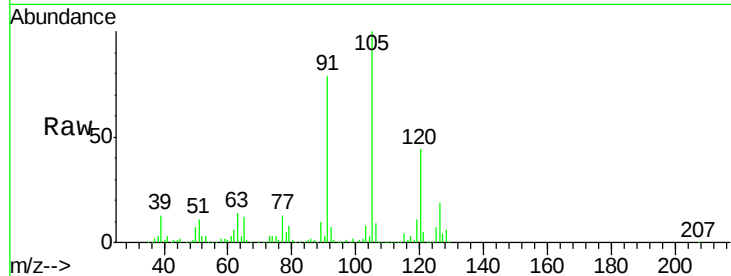
#80
 1,3,5-Trimethylbenzene
 Concen: 47.585 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.1	25.8	77.3

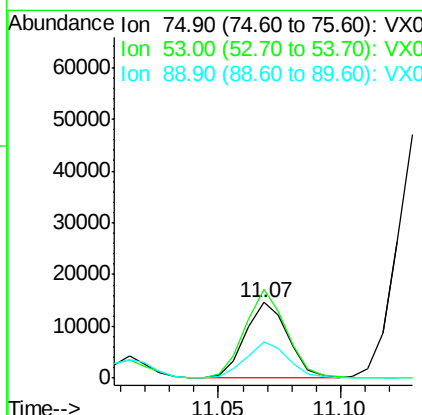
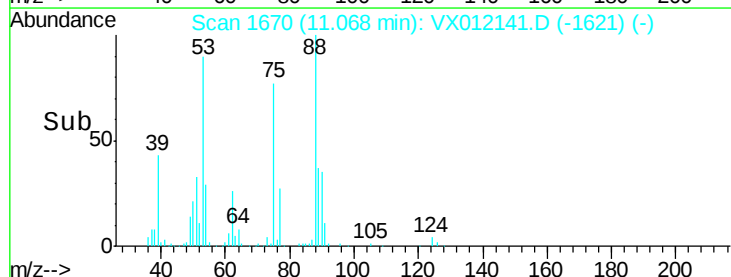
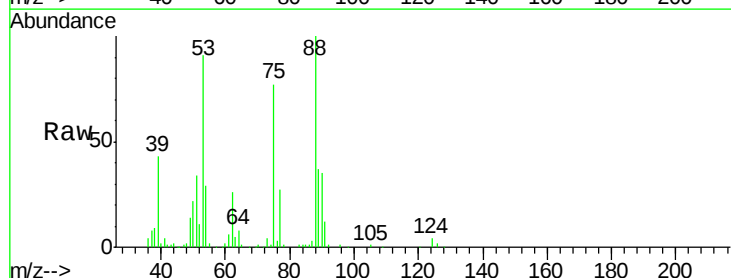
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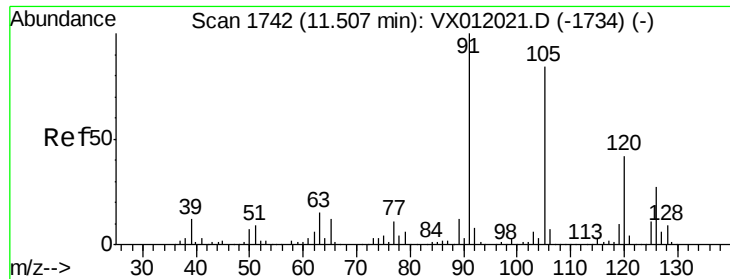
MMDadoda
 9/6/2019 3:55:21 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 34.241 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.1	78.6	117.8
89	48.1	38.8	58.2





#82

4-Chlorotoluene

Concen: 47.227 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 301426

Ion Ratio Lower Upper

91 100

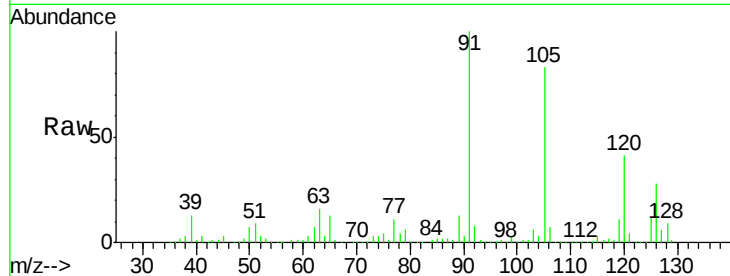
126 27.5 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1734) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1734) (-)

11.51

250000

200000

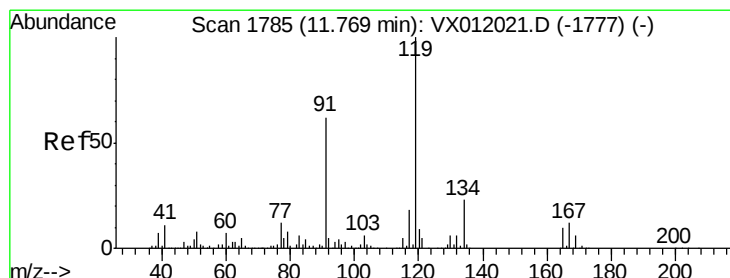
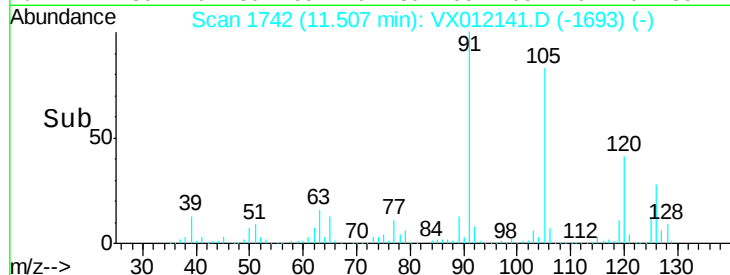
150000

100000

50000

0

Time--> 11.40 11.50 11.60



#83

tert-Butylbenzene

Concen: 43.672 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

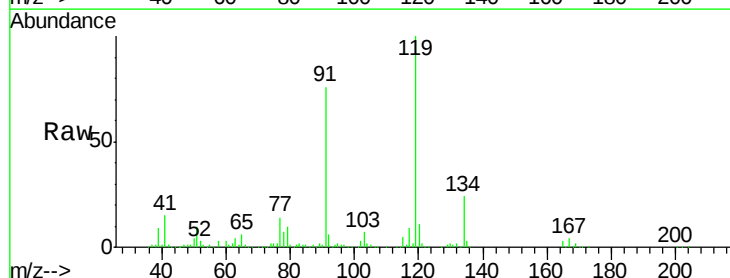
Tgt Ion: 119 Resp: 266879

Ion Ratio Lower Upper

119 100

91 68.0 27.1 81.2

134 23.4 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): VX012021.D (-1777) (-)

Ion 91.00 (90.70 to 91.70): VX012021.D (-1777) (-)

Ion 134.00 (133.70 to 134.70): VX012021.D (-1777) (-)

11.76

250000

200000

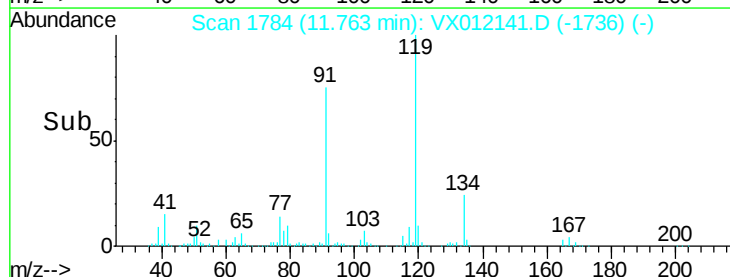
150000

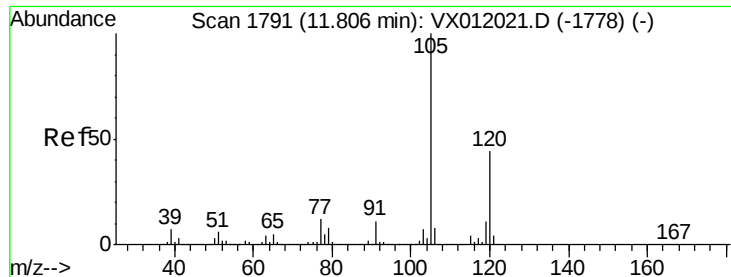
100000

50000

0

Time--> 11.70 11.75 11.80





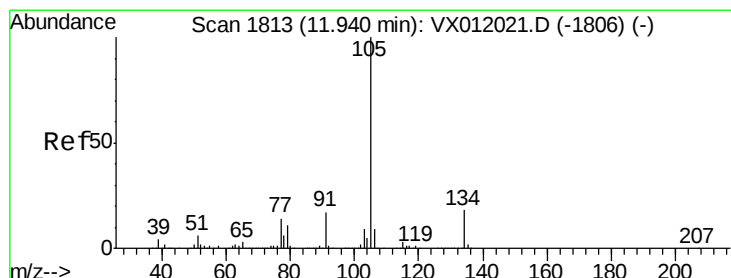
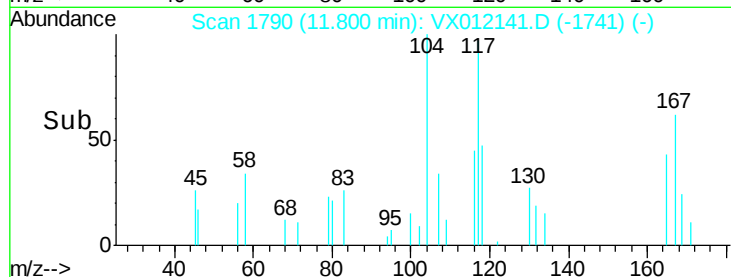
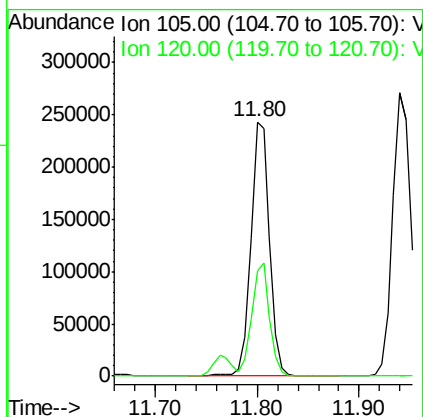
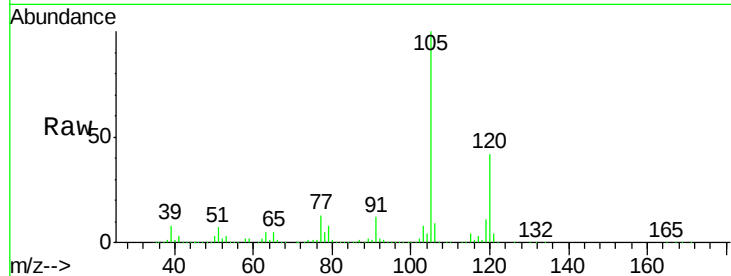
#84
 1,2,4-Trimethylbenzene
 Concen: 46.884 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 308947
 Ion Ratio Lower Upper
 105 100
 120 42.7 23.6 70.8

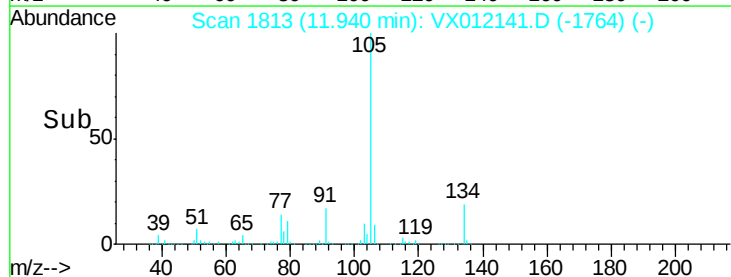
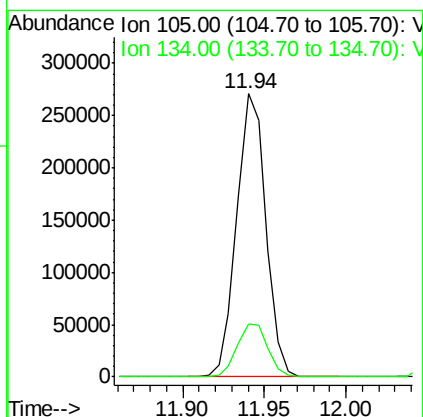
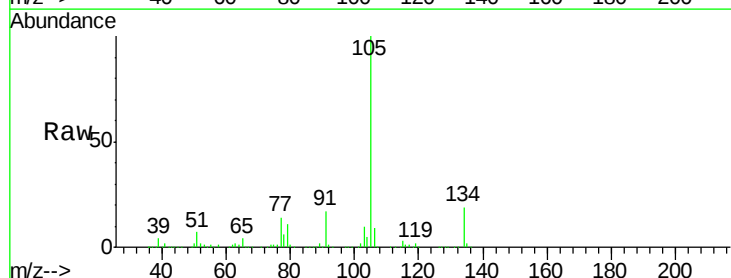
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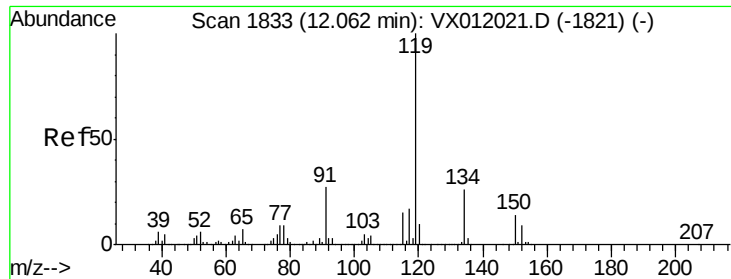
MMDadoda
 9/6/2019 3:55:21 PM



#85
 sec-Butylbenzene
 Concen: 44.385 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion:105 Resp: 336895
 Ion Ratio Lower Upper
 105 100
 134 19.5 11.2 33.6





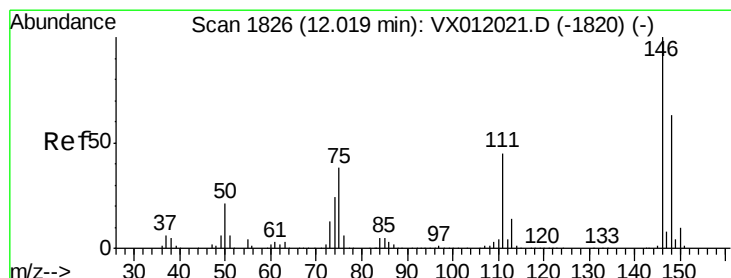
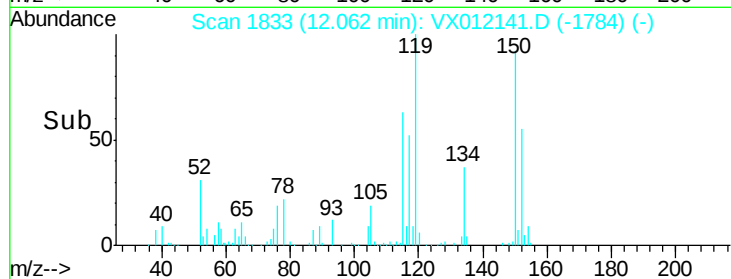
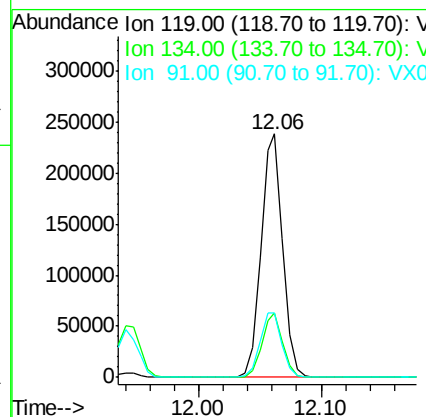
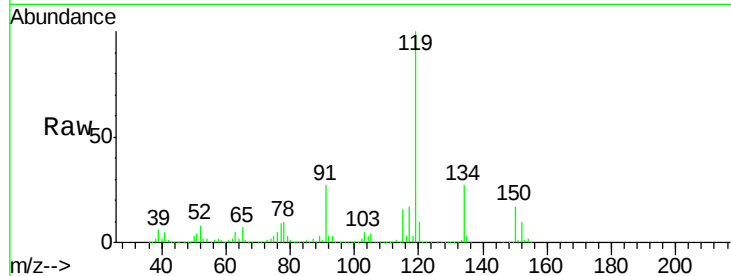
#86
 p-Isopropyltoluene
 Concen: 42.396 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292651		
134	25.6	13.7	41.1	
91	27.0	11.4	34.1	

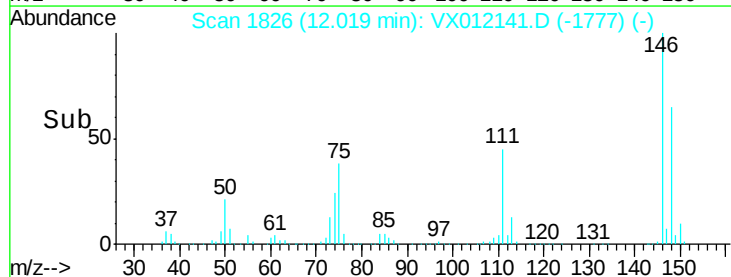
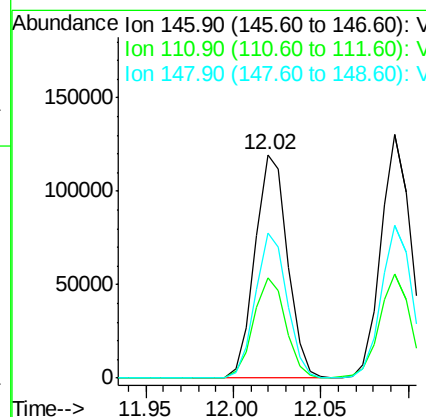
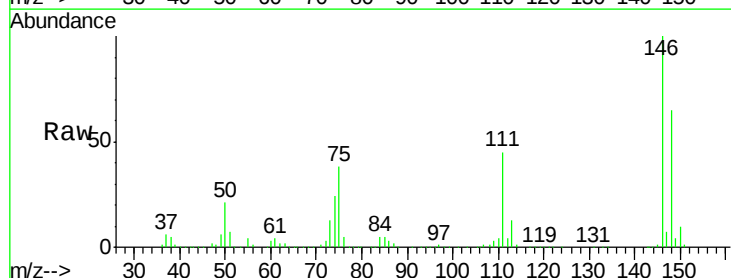
Manual Integrations
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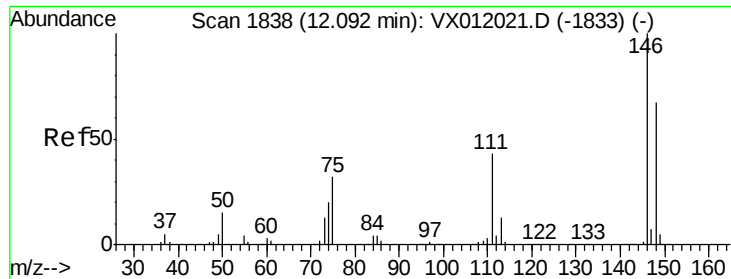
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 47.132 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154537		
111	44.5	18.1	54.1	
148	63.3	32.6	97.8	





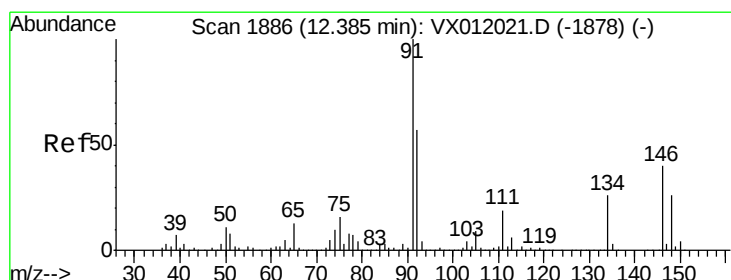
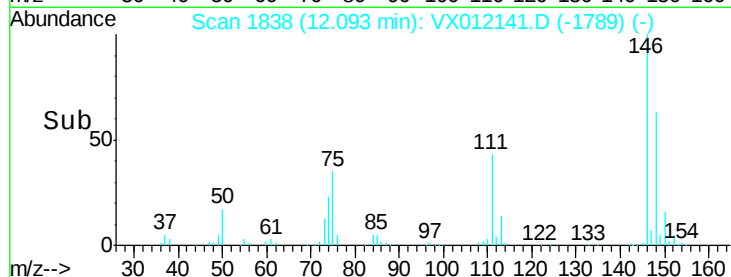
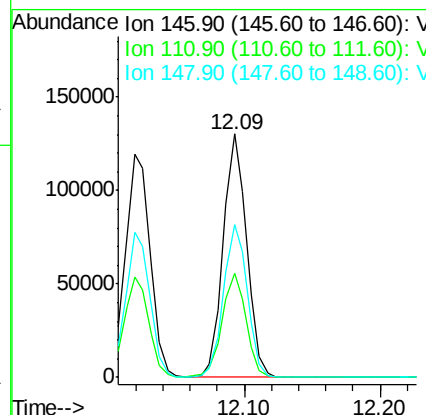
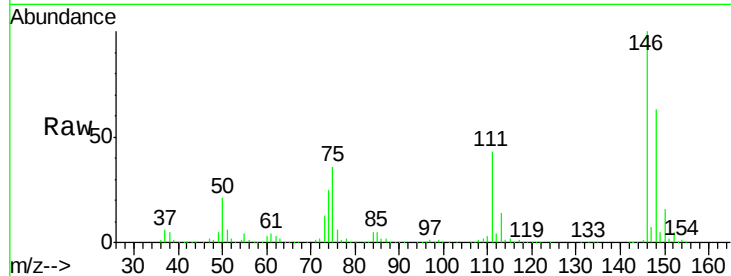
#88
 1,4-Dichlorobenzene
 Concen: 47.534 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	17.7	53.1
148	63.5	32.4	97.0

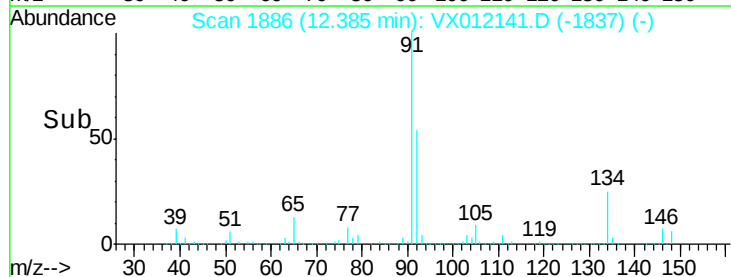
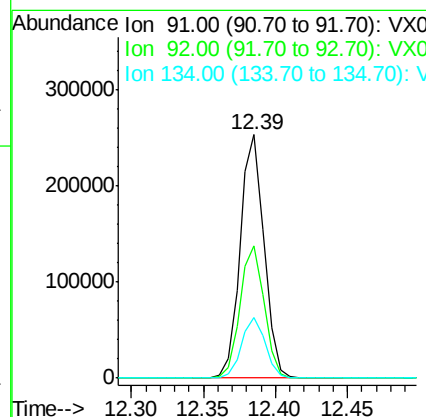
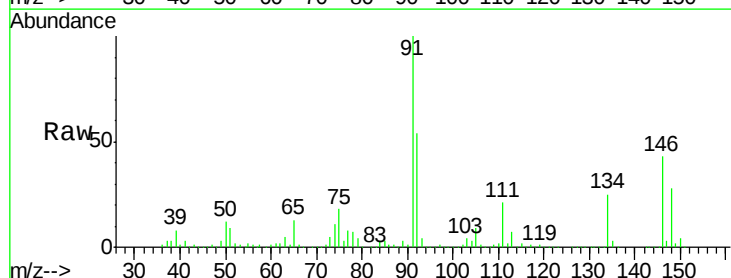
Manual Integrations
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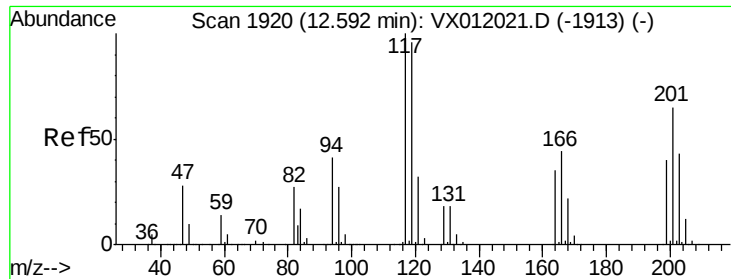
MMDadoda
 9/6/2019 3:55:21 PM



#89
 n-Butylbenzene
 Concen: 43.672 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.8
134	24.7	15.4	46.1





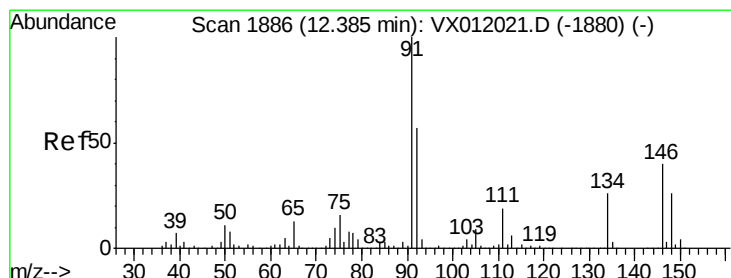
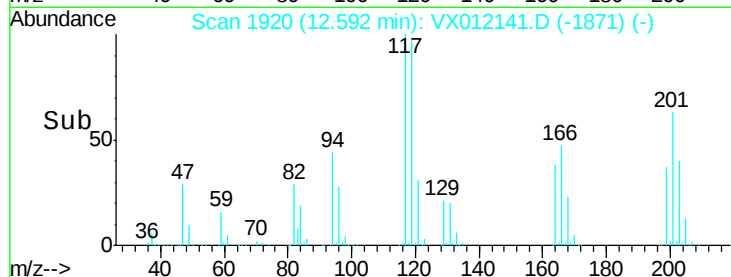
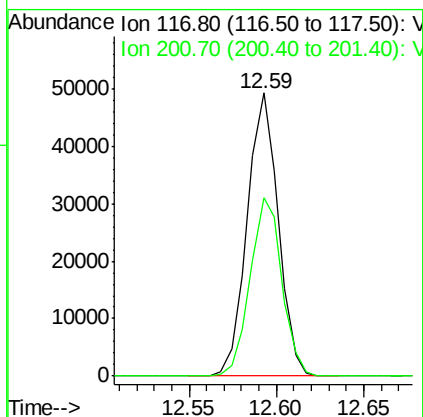
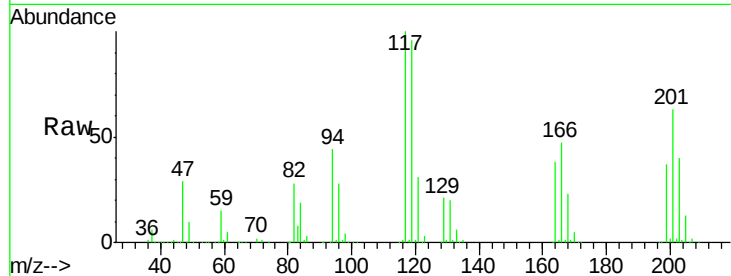
#90
Hexachloroethane
Concen: 43.964 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 60595
Ion Ratio Lower Upper
117 100
201 64.6 55.0 165.2

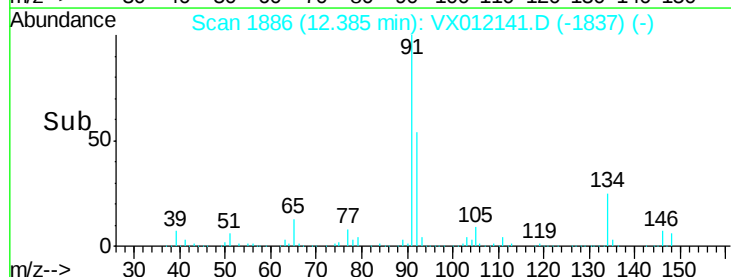
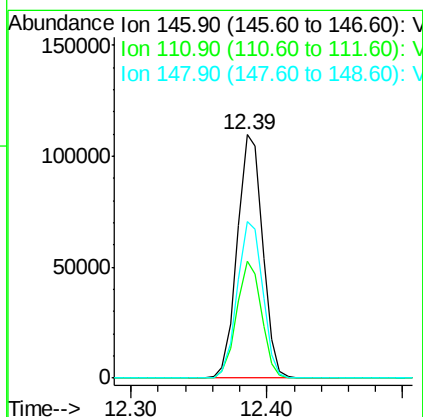
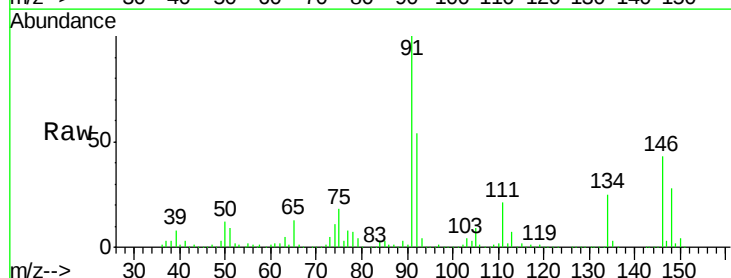
Manual Integrations
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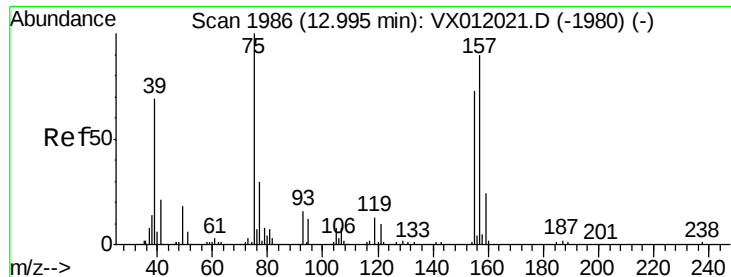
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 48.275 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012141.D
Acq: 06 Sep 2019 11:14

Tgt Ion:146 Resp: 142555
Ion Ratio Lower Upper
146 100
111 46.9 18.6 56.0
148 64.4 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.629 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

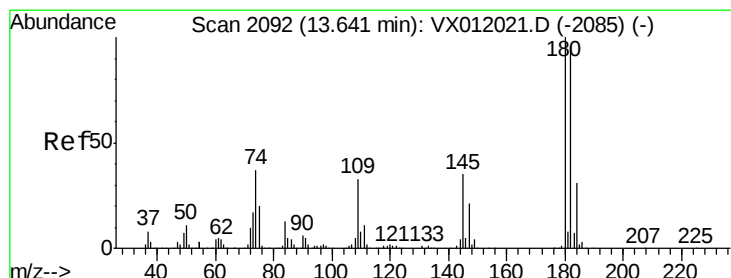
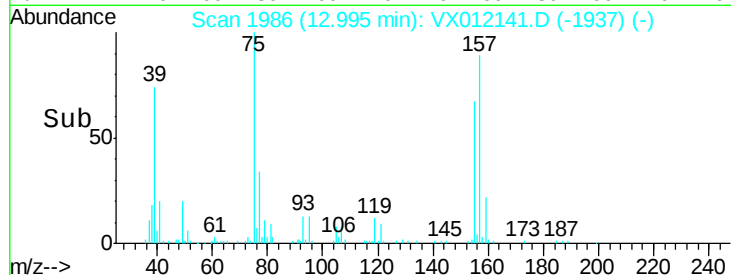
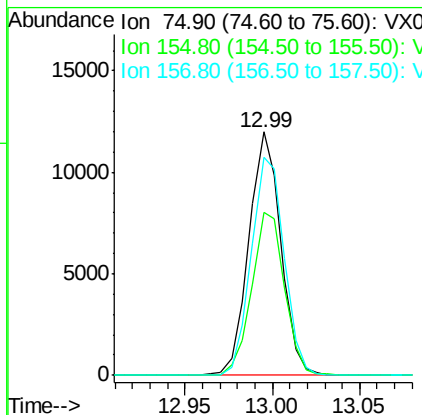
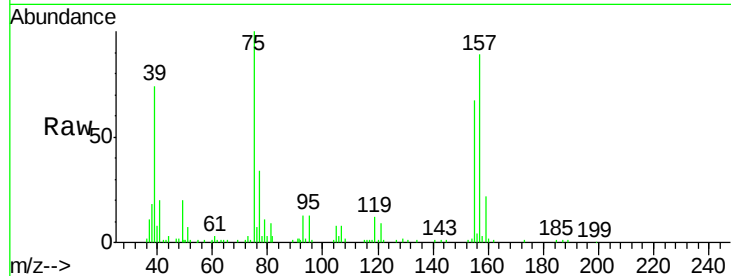
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	15202
Ion Ratio	Lower	Upper	
75	100		
155	68.8	51.7	155.2
157	91.9	66.9	200.7

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 44.864 ug/l

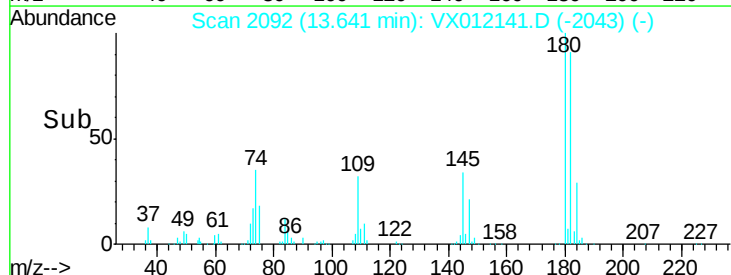
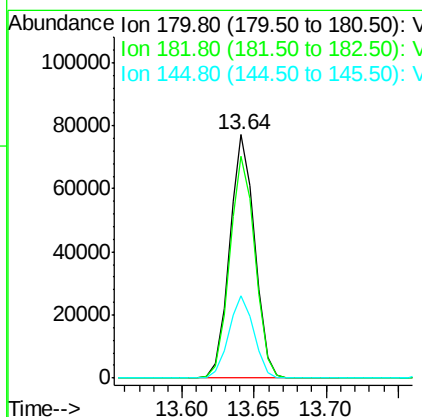
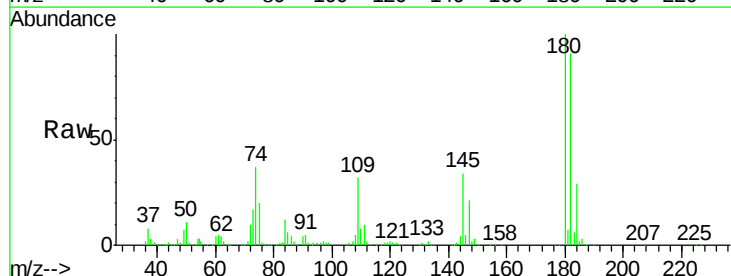
RT: 13.64 min Scan# 2092

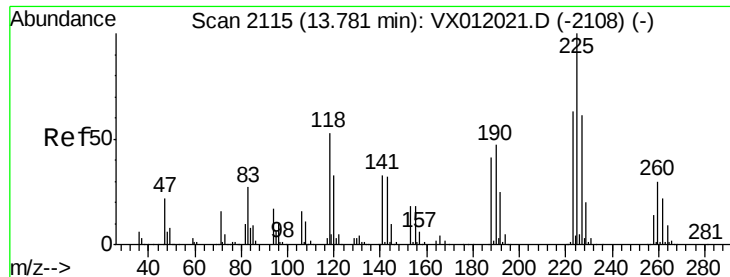
Delta R.T. -0.00 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Tgt Ion:	180	Resp:	94295
Ion Ratio	Lower	Upper	
180	100		
182	92.0	47.3	142.0
145	34.2	13.7	41.0





#94

Hexachlorobutadiene

Concen: 43.467 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012141.D

Acq: 06 Sep 2019 11:14

Instrument :

MSVOA_X

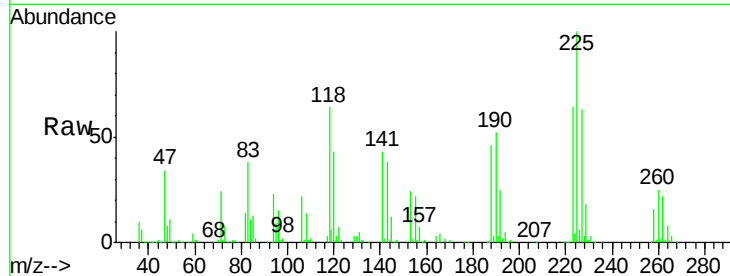
ClientSampleId :

VSTDCCC050EC

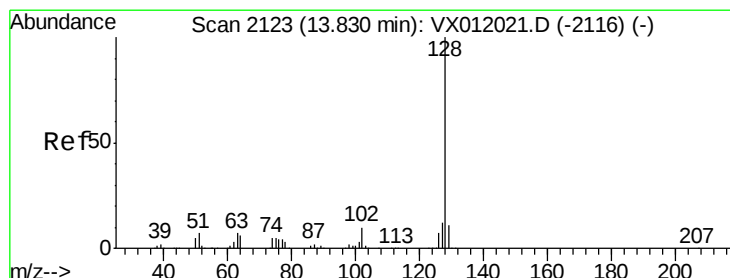
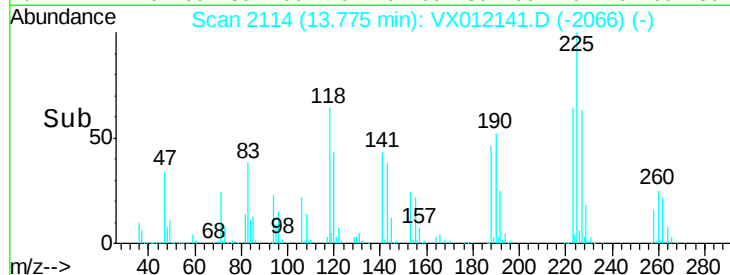
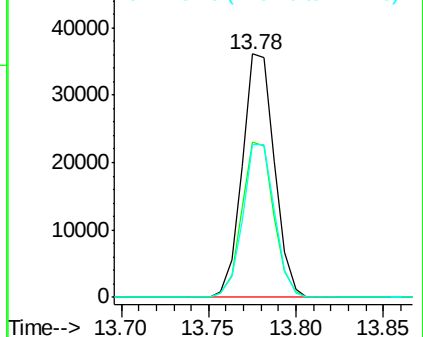
Tot Ion:	225	Resp:	46053
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.6	95.0
227	62.1	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:55:21 PM



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: 46.455 ug/l

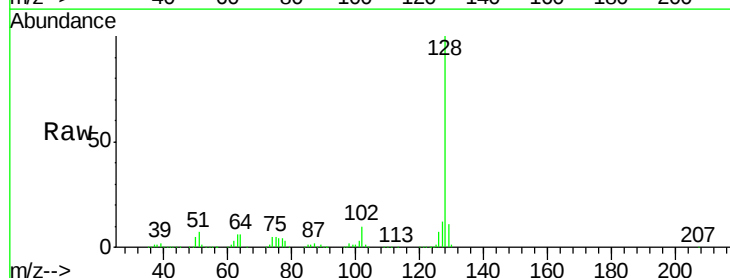
RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

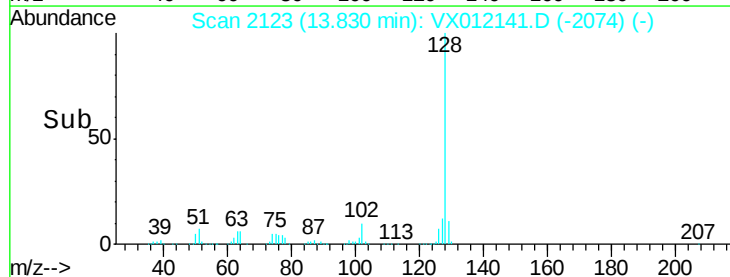
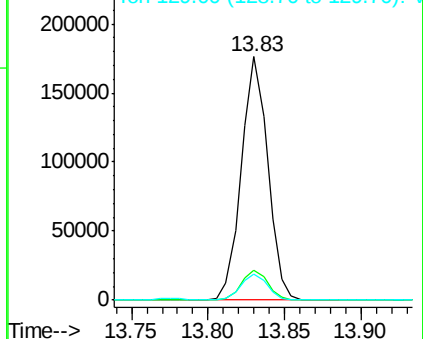
Lab File: VX012141.D

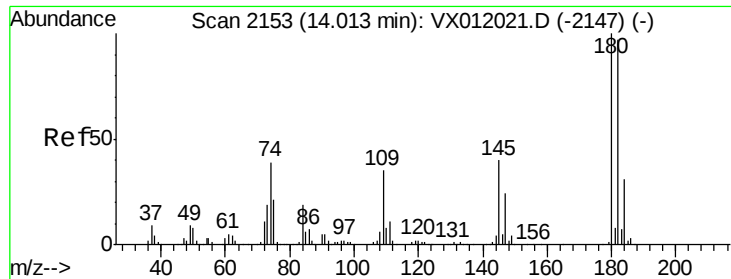
Acq: 06 Sep 2019 11:14

Tgt Ion:	128	Resp:	211320
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.8	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 45.615 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VX012141.D
 Acq: 06 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.6
145	37.4	14.1	42.4

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:55:21 PM

