

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011045.D
 Acq On : 22 Jul 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:27 AM

Quant Time: Jul 23 07:12:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116494	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.50	113	101468	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.71	98	377722	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.13	95	146332	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	114683	47.597	ug/l	99
3) Chloromethane	1.32	50	95483	45.925	ug/l	99
4) Vinyl Chloride	1.41	62	102966	48.554	ug/l	99
5) Bromomethane	1.64	94	53999	45.186	ug/l	98
6) Chloroethane	1.71	64	62779	46.584	ug/l	97
7) Trichlorofluoromethane	1.92	101	177030	49.315	ug/l	100
8) Diethyl Ether	2.19	74	58656	47.424	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98783	48.195	ug/l	99
10) Methyl Iodide	2.51	142	130662	48.578	ug/l	99
11) Tert butyl alcohol	3.05	59	136124	243.012	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97689	48.509	ug/l	97
13) Acrolein	2.29	56	71571	221.146	ug/l	97
14) Allyl chloride	2.73	41	144644	49.448	ug/l	99
15) Acrylonitrile	3.14	53	283369	250.349	ug/l	100
16) Acetone	2.45	43	237610	218.730	ug/l	98
17) Carbon Disulfide	2.57	76	230701	44.660	ug/l	100
18) Methyl Acetate	2.78	43	137442	55.564	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	334119	51.539	ug/l	99
20) Methylene Chloride	2.85	84	109719	47.660	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	102332	47.891	ug/l	96
22) Diisopropyl ether	3.85	45	306255	49.642	ug/l	98
23) Vinyl Acetate	3.82	43	1324071	253.303	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176232	49.188	ug/l	100
25) 2-Butanone	4.67	43	389863	250.010	ug/l	100
26) 2,2-Dichloropropane	4.58	77	128329	43.622	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	119398	48.282	ug/l	99
28) Bromochloromethane	5.01	49	78801	46.673	ug/l	99
29) Tetrahydrofuran	5.13	42	250395	253.493	ug/l	100
30) Chloroform	5.21	83	193866	50.060	ug/l	98
31) Cyclohexane	5.58	56	157741	48.302	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	172814	51.579	ug/l	100
36) 1,1-Dichloropropene	5.80	75	136309	48.242	ug/l	99
37) Ethyl Acetate	4.83	43	146017	50.468	ug/l	99
38) Carbon Tetrachloride	5.79	117	149233	50.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170204	46.451	ug/l	99
40) Benzene	6.14	78	416640	48.137	ug/l	100
41) Methacrylonitrile	5.04	41	79052	48.131	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152258	50.594	ug/l	98
43) Isopropyl Acetate	6.45	43	241283	50.717	ug/l	99
44) Trichloroethene	7.21	130	122292	47.733	ug/l	91
45) 1,2-Dichloropropane	7.51	63	106683	48.428	ug/l	100
46) Dibromomethane	7.66	93	78553	49.903	ug/l	99
47) Bromodichloromethane	7.90	83	145930	52.079	ug/l	99
48) Methyl methacrylate	7.77	41	117234	50.585	ug/l	98
49) 1,4-Dioxane	7.74	88	60251	929.398	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	798323	258.865	ug/l	99
52) Toluene	8.78	92	276091	48.557	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157580	52.301	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	169120	50.444	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115668	49.407	ug/l	98
56) Ethyl methacrylate	9.18	69	182119	53.181	ug/l	100
57) 1,3-Dichloropropane	9.37	76	183499	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	410182	250.917	ug/l	100
59) 2-Hexanone	9.49	43	624610	261.130	ug/l	100
60) Dibromochloromethane	9.58	129	127168	47.340	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125242	50.408	ug/l	100
64) Tetrachloroethene	9.34	164	116077	46.619	ug/l	94
65) Chlorobenzene	10.13	112	314397	48.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	116306	50.906	ug/l	97
67) Ethyl Benzene	10.25	91	547349	49.466	ug/l	99
68) m/p-Xylenes	10.36	106	418181	98.523	ug/l	100
69) o-Xylene	10.69	106	203541	49.136	ug/l	98
70) Styrene	10.71	104	353555	51.200	ug/l	99
71) Bromoform	10.85	173	99362	47.878	ug/l #	100
73) Isopropylbenzene	11.02	105	557703	48.878	ug/l	99
74) N-amyl acetate	10.90	43	220530	50.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185399	49.651	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	153853m	50.489	ug/l	
77) Bromobenzene	11.26	156	152040	48.308	ug/l	99
78) n-propylbenzene	11.36	91	625950	49.650	ug/l	99
79) 2-Chlorotoluene	11.42	91	373317	49.293	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	470192	49.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53140	44.645	ug/l	97
82) 4-Chlorotoluene	11.51	91	436321	49.499	ug/l	99
83) tert-Butylbenzene	11.77	119	466517	49.815	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	477917	49.733	ug/l	99
85) sec-Butylbenzene	11.94	105	548043	49.943	ug/l	100
86) p-Isopropyltoluene	12.06	119	511719	50.441	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269757	49.389	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	267392	47.734	ug/l	98
89) n-Butylbenzene	12.38	91	436542	50.297	ug/l	100
90) Hexachloroethane	12.60	117	81927	51.201	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	266020	49.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40557	51.961	ug/l	99

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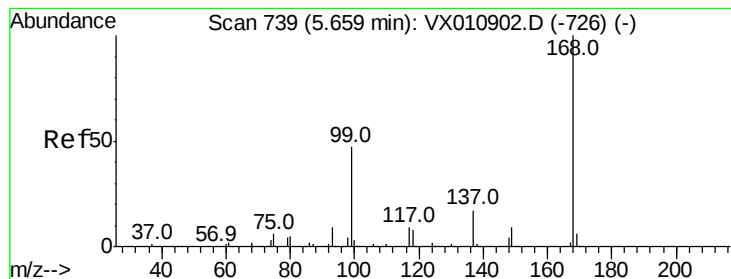
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180995	49.337	ug/l	98
94) Hexachlorobutadiene	13.78	225	87494	48.128	ug/l	99
95) Naphthalene	13.83	128	571677	52.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	183757	50.342	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 226087

Ion Ratio Lower Upper

168 100

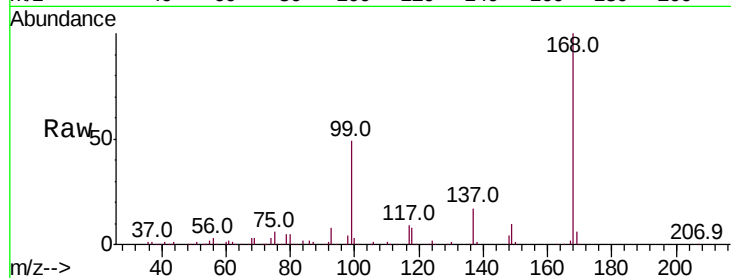
99 49.1 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

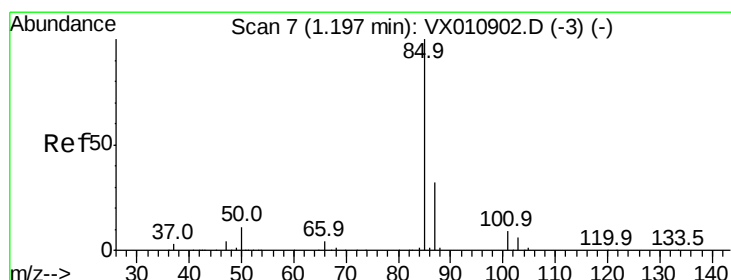
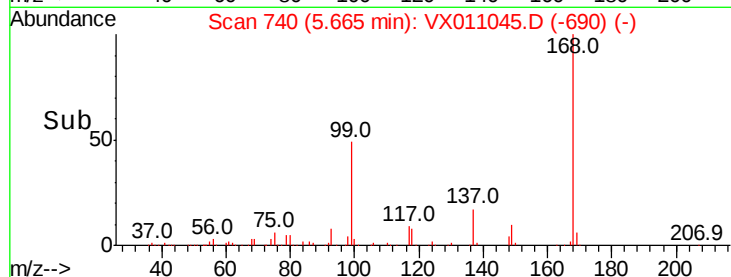
40000

20000

0

5.50 5.60 5.70 5.80

5.67



#2

Dichlorodifluoromethane

Concen: 47.597 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011045.D

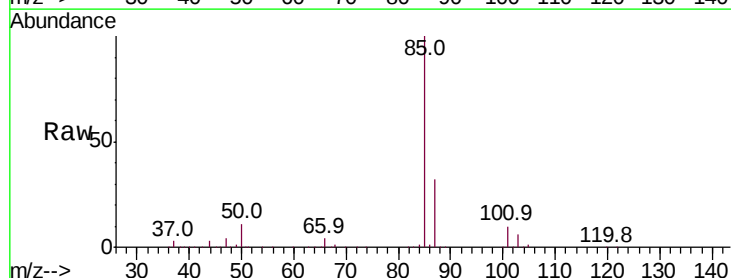
Acq: 22 Jul 2019 20:54

Tgt Ion: 85 Resp: 114683

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

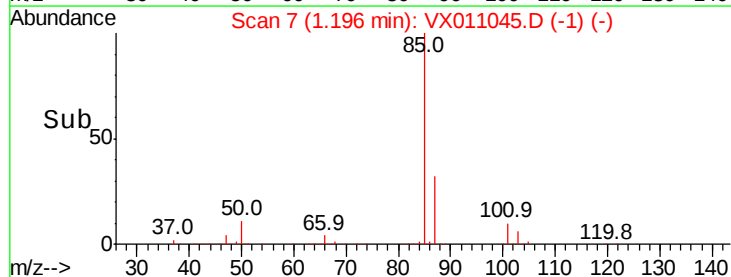
Ion 86.90 (86.60 to 87.60): VX0

100000

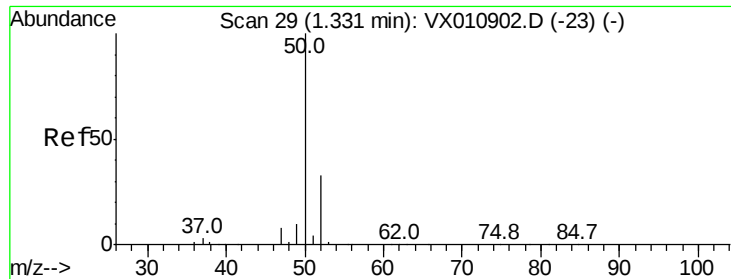
50000

0

1.20



Time-->



#3

Chloromethane

Concen: 45.925 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95483

Ion Ratio Lower Upper

50 100

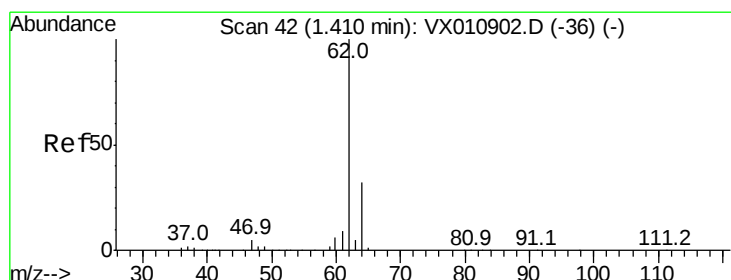
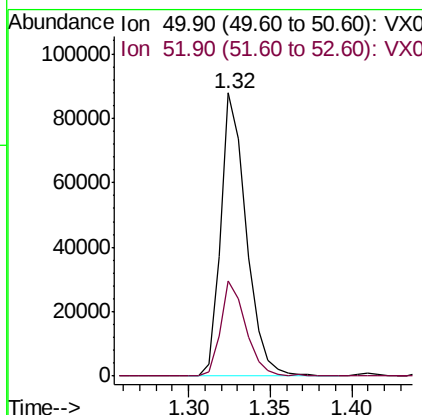
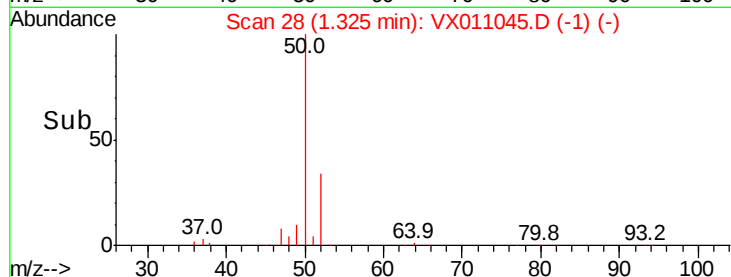
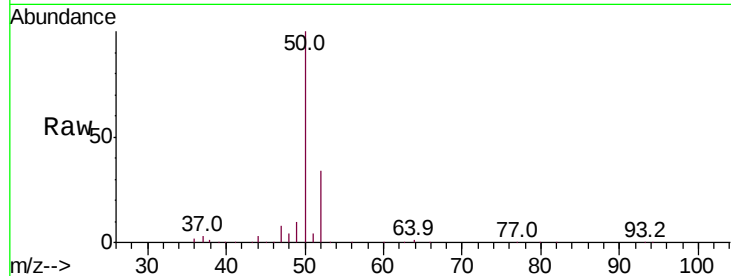
52 33.8 26.4 39.6

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#4

Vinyl Chloride

Concen: 48.554 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011045.D

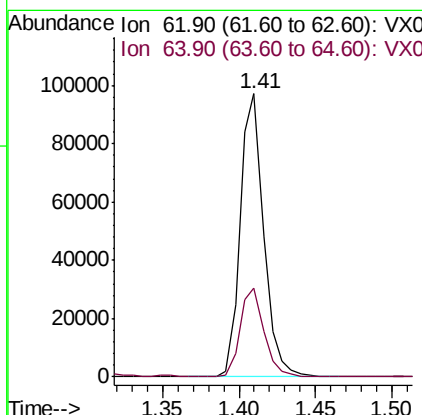
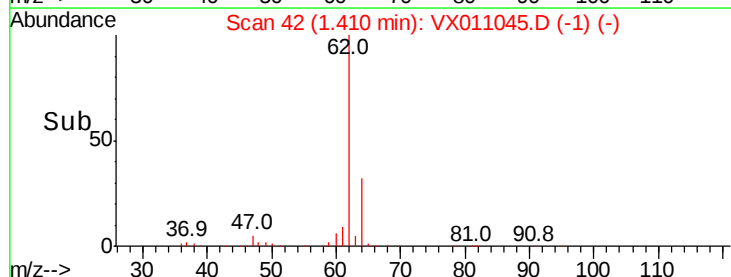
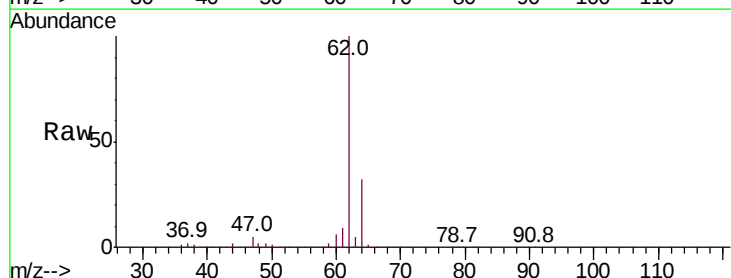
Acq: 22 Jul 2019 20:54

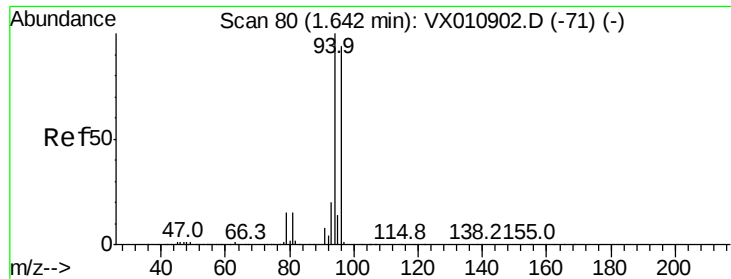
Tgt Ion: 62 Resp: 102966

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 45.186 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53999

Ion Ratio Lower Upper

94 100

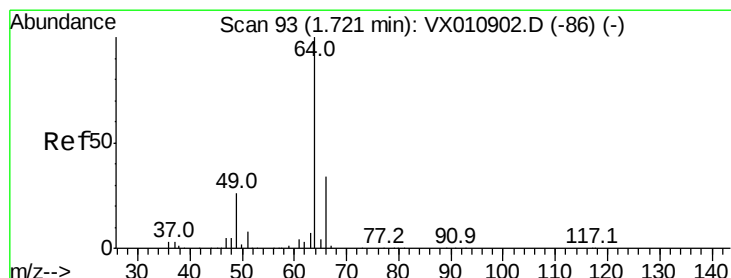
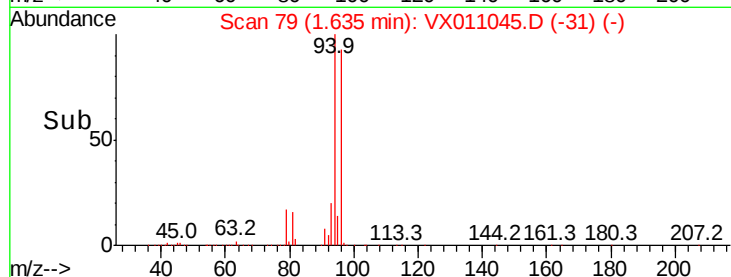
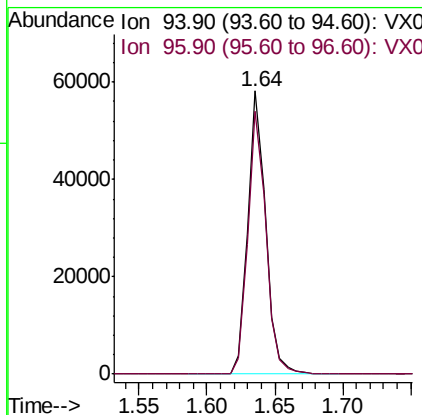
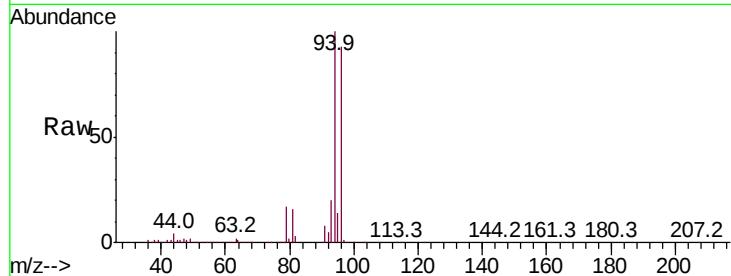
96 92.8 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 46.584 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011045.D

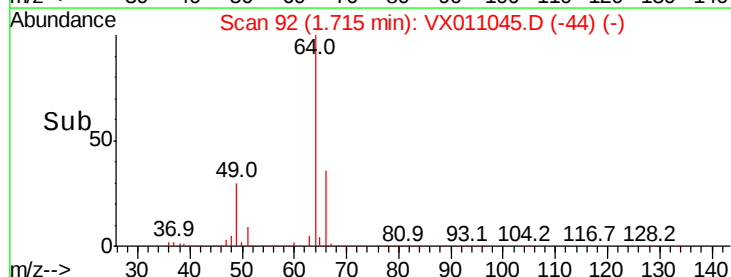
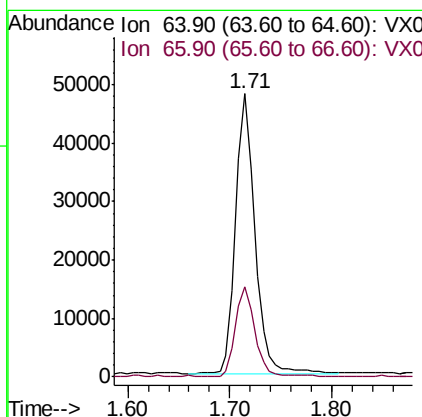
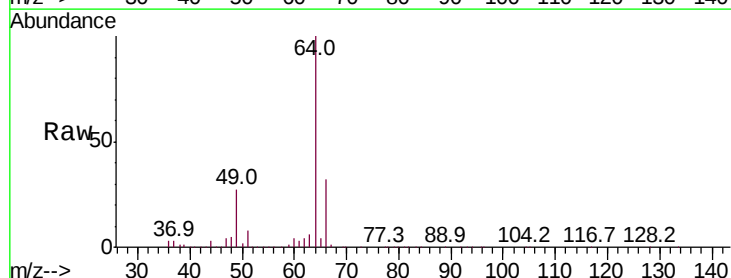
Acq: 22 Jul 2019 20:54

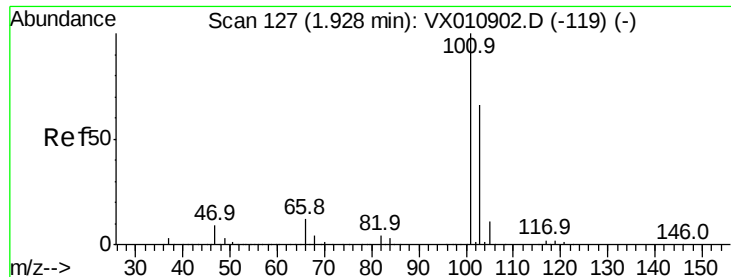
Tgt Ion: 64 Resp: 62779

Ion Ratio Lower Upper

64 100

66 32.1 27.0 40.6





#7

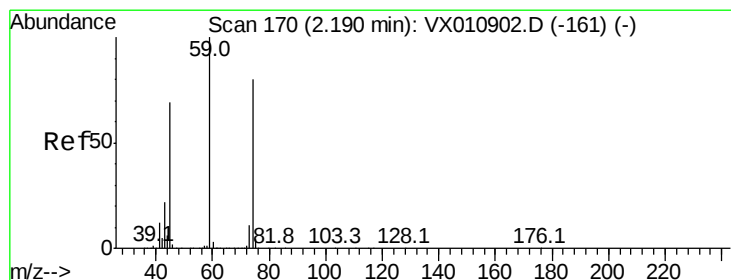
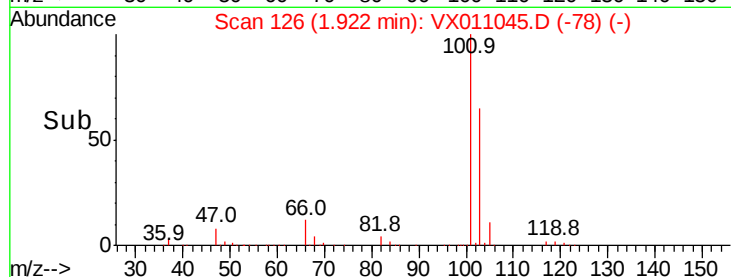
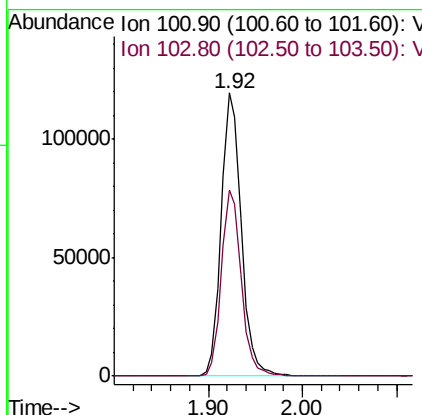
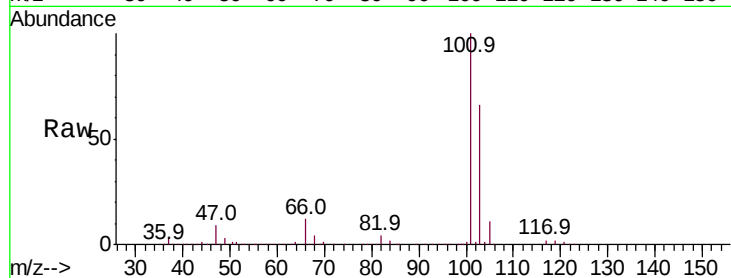
Trichlorofluoromethane
Concen: 49.315 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 177030
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

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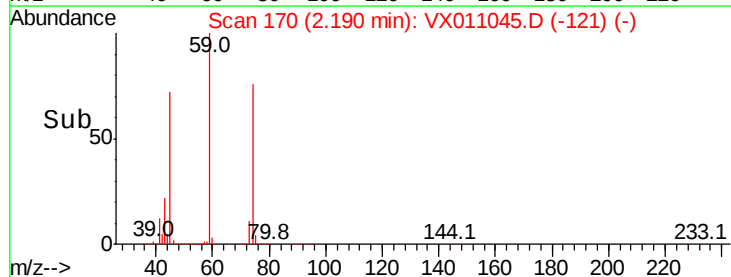
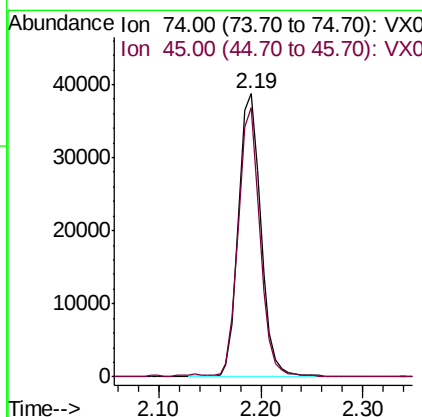
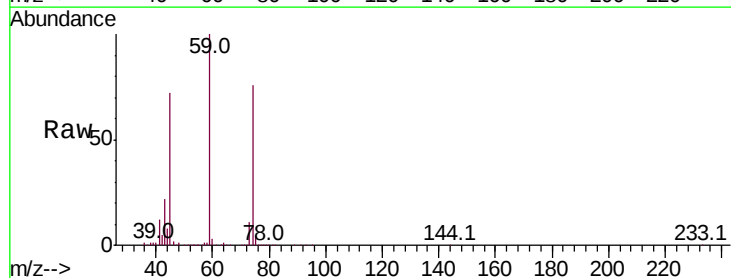
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7/23/2019 11:12:27 AM

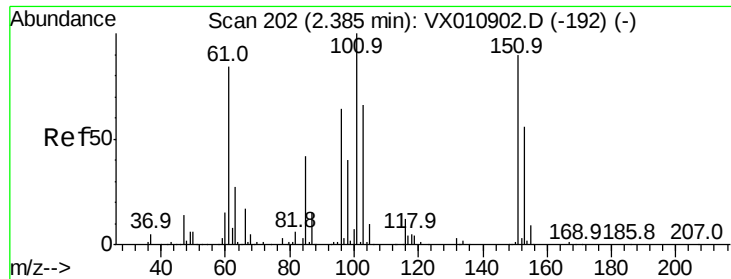


#8

Diethyl Ether
Concen: 47.424 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 74 Resp: 58656
Ion Ratio Lower Upper
74 100
45 91.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.195 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

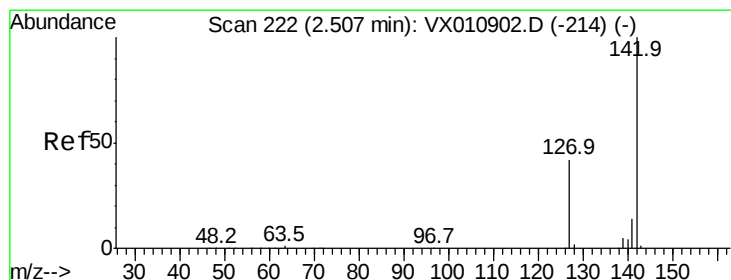
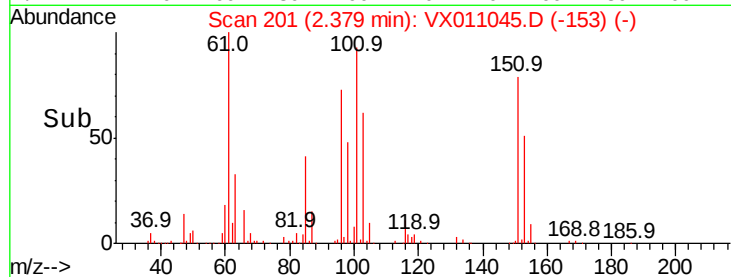
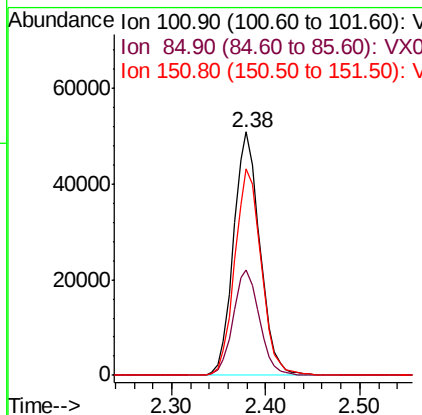
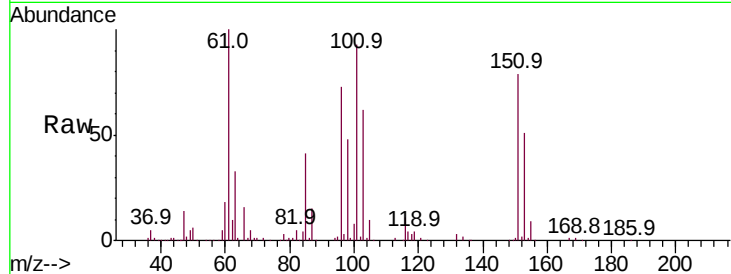
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98783
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	52.0
151	85.6	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 48.578 ug/l

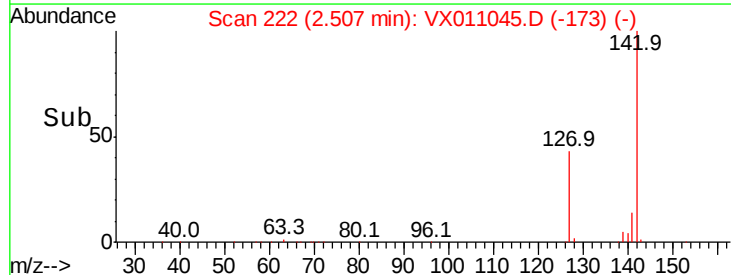
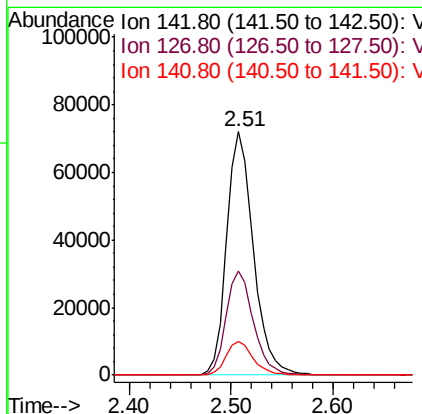
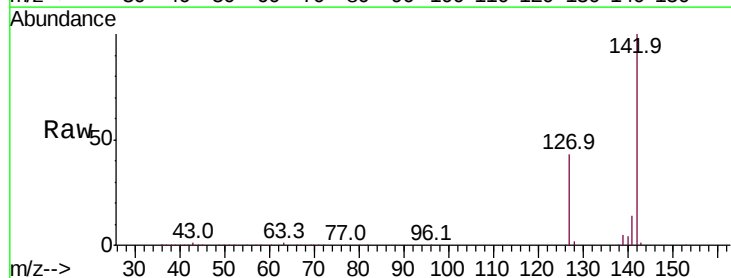
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	142	Resp:	130662
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.2	51.4
141	14.1	11.7	17.5





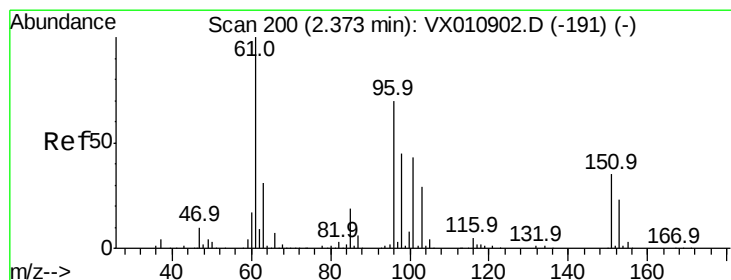
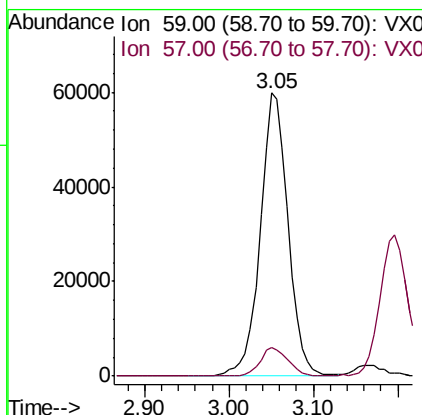
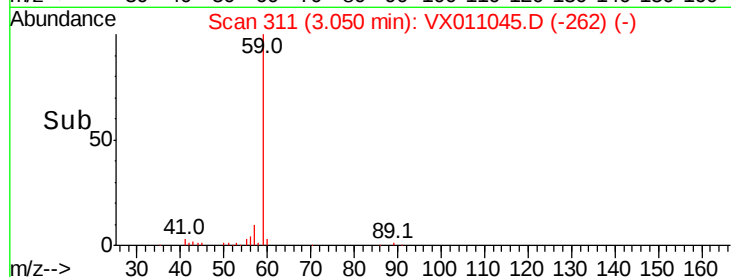
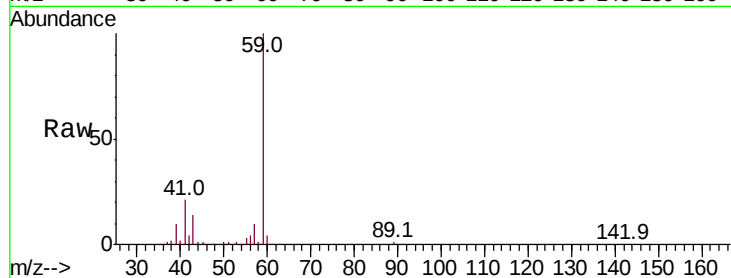
#11
Tert butyl alcohol
Concen: 243.012 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 136124
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9

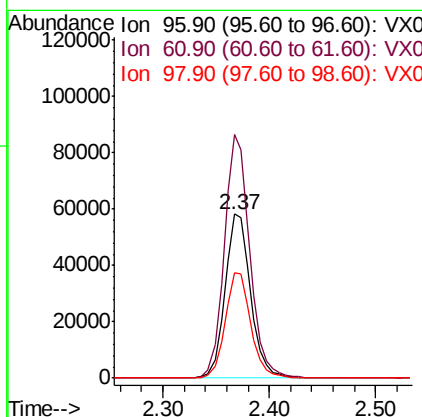
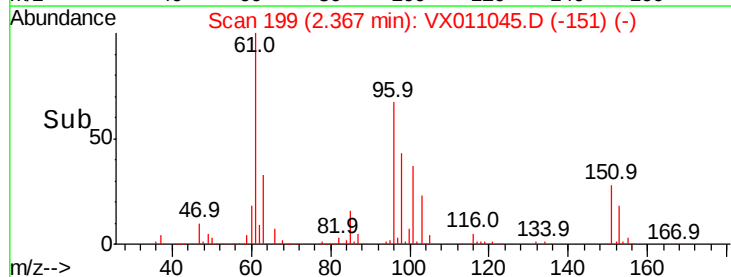
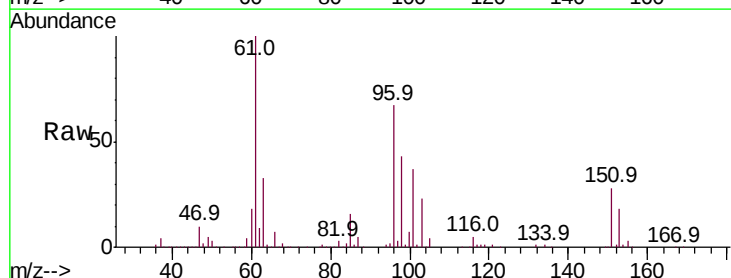
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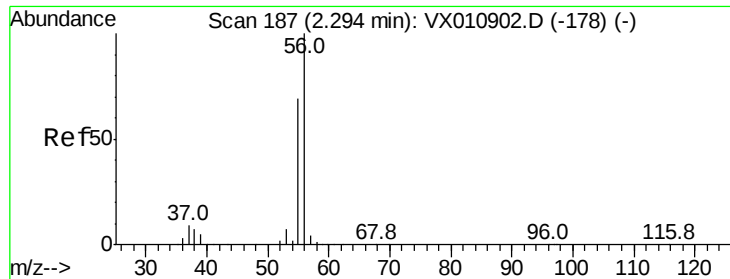
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#12
1,1-Dichloroethene
Concen: 48.509 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 96 Resp: 97689
Ion Ratio Lower Upper
96 100
61 148.4 115.0 172.4
98 64.5 52.2 78.2





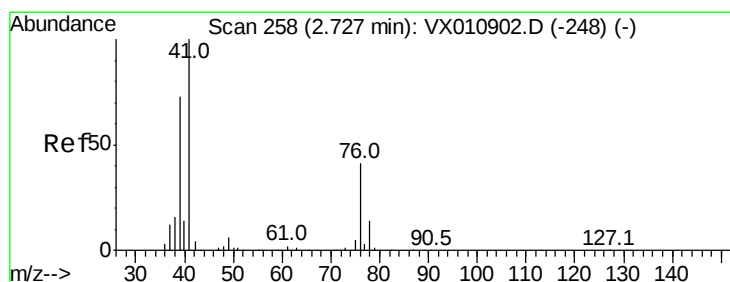
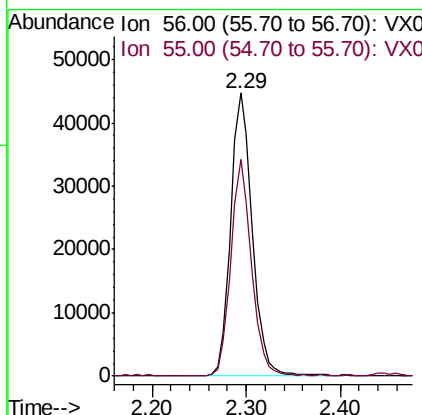
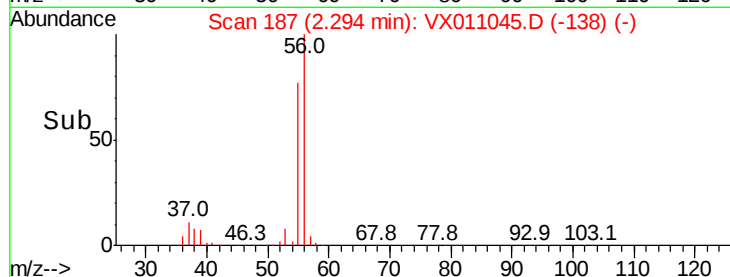
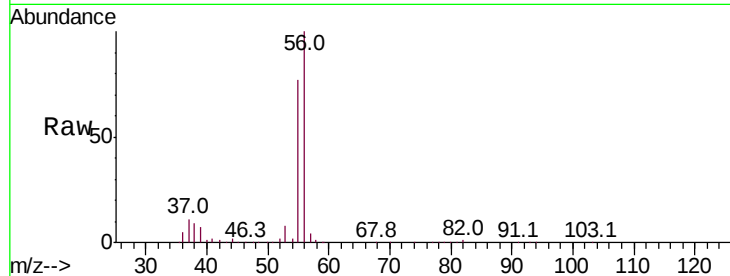
#13
Acrolein
Concen: 221.146 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 71571
Ion Ratio Lower Upper
56 100
55 72.5 55.9 83.9

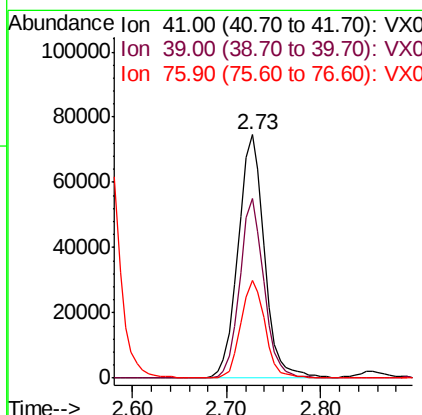
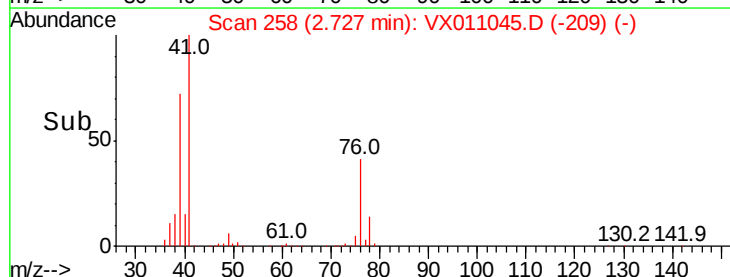
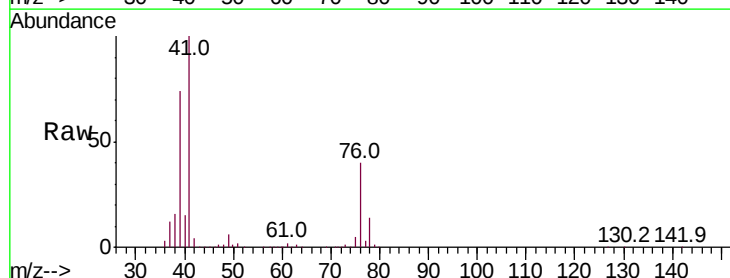
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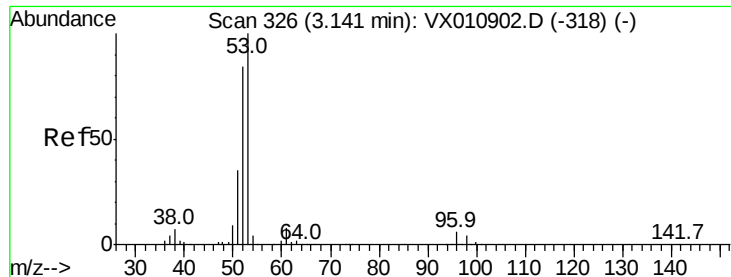
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#14
Allyl chloride
Concen: 49.448 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 41 Resp: 144644
Ion Ratio Lower Upper
41 100
39 67.8 53.6 80.4
76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 250.349 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

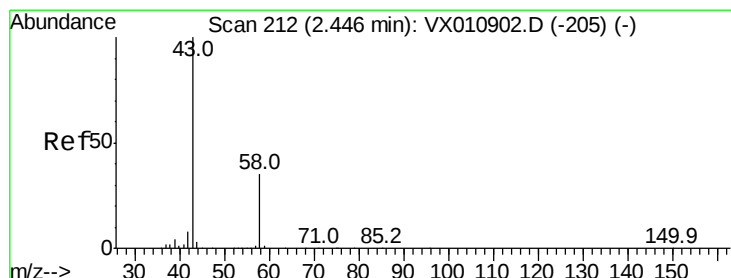
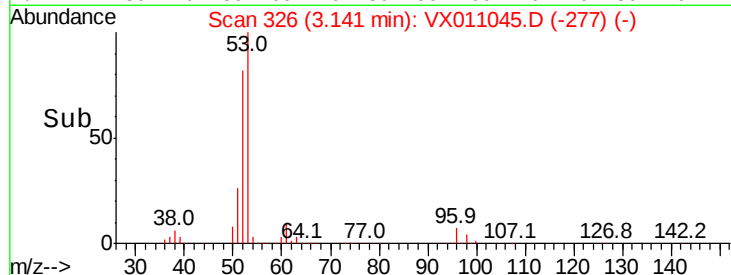
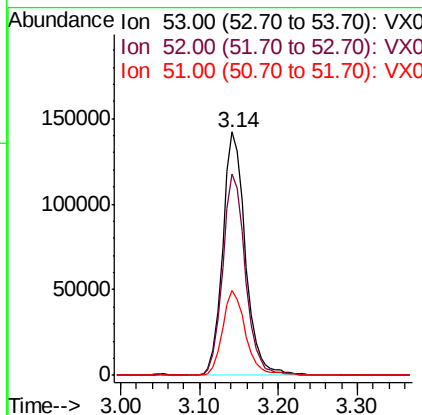
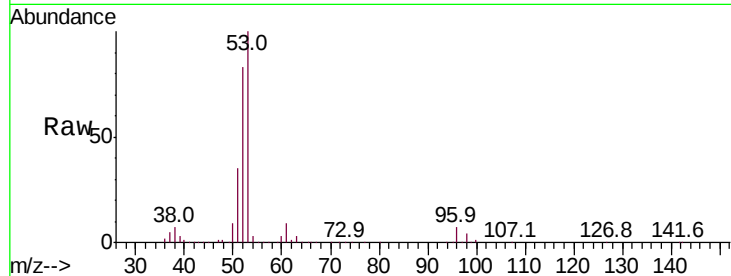
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	283369
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.5	99.7
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 218.730 ug/l

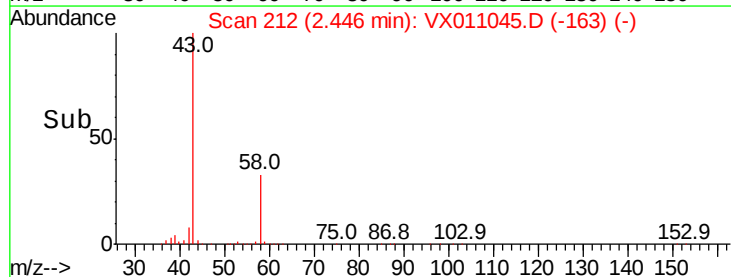
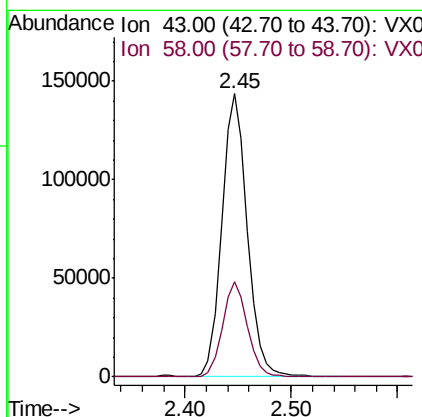
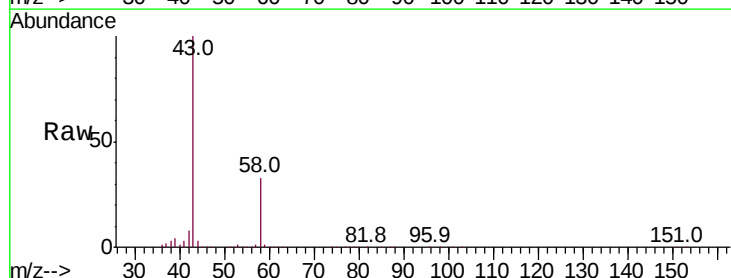
RT: 2.45 min Scan# 212

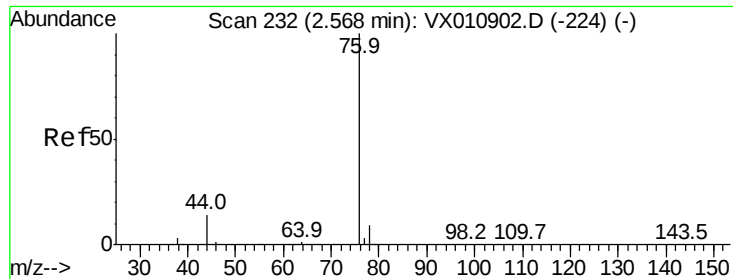
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	43	Resp:	237610
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.7	41.5





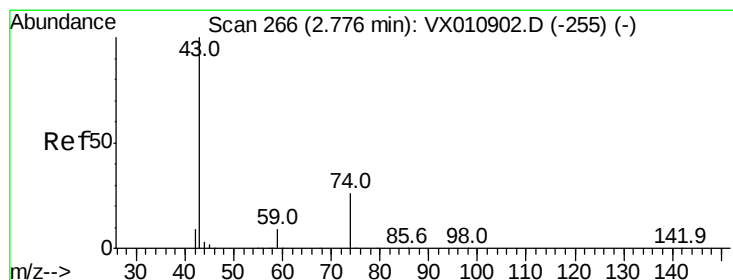
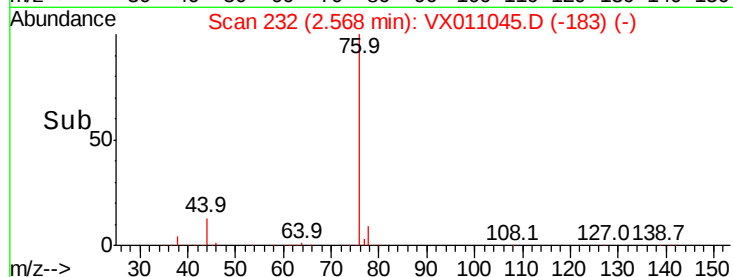
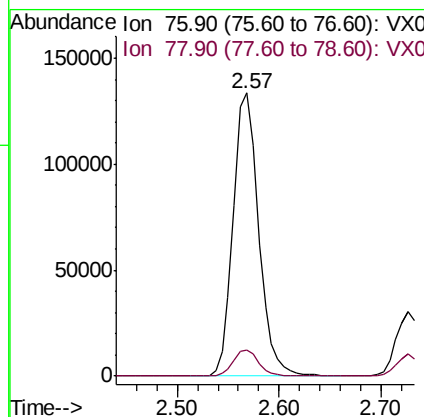
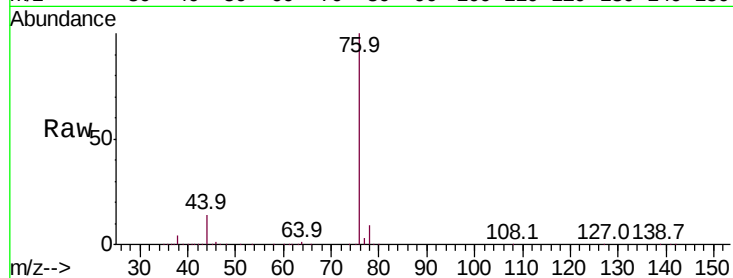
#17
Carbon Disulfide
Concen: 44.660 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

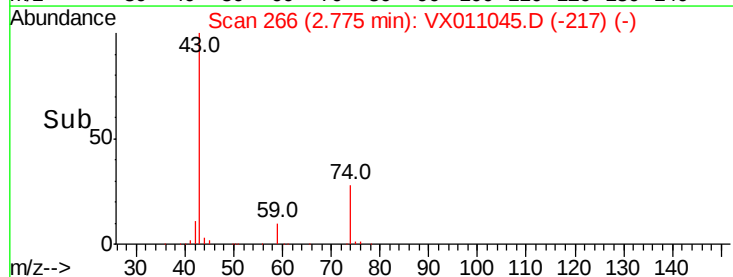
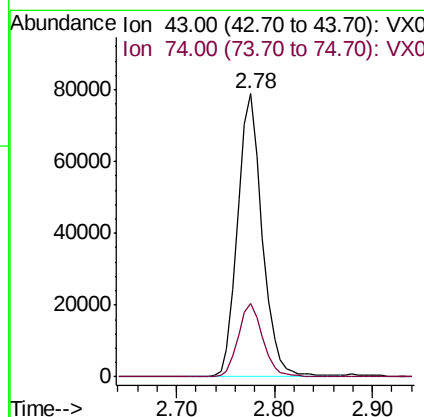
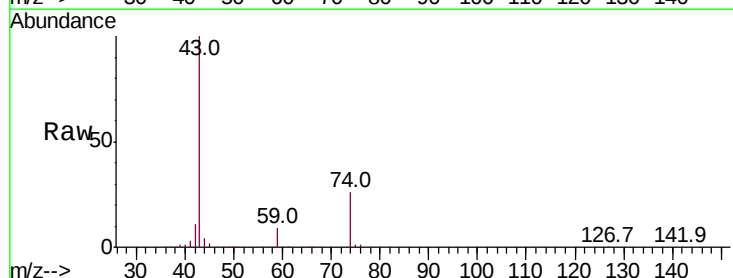
Manual Integrations
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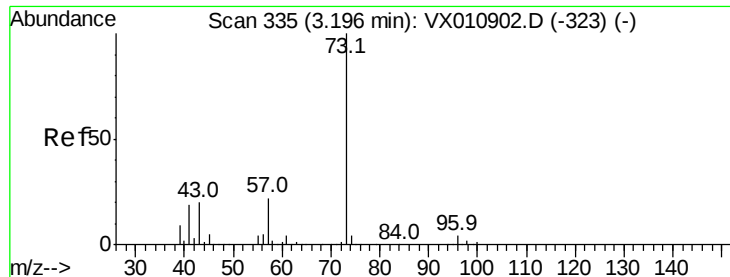
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#18
Methyl Acetate
Concen: 55.564 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	21.5	32.3





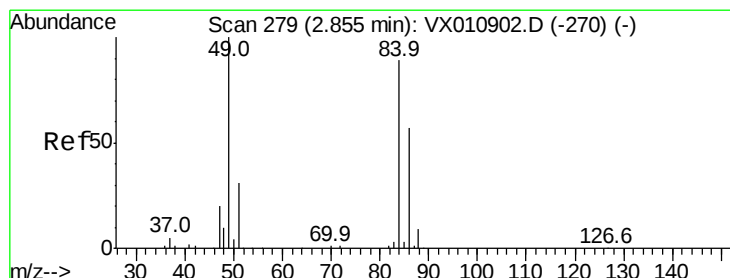
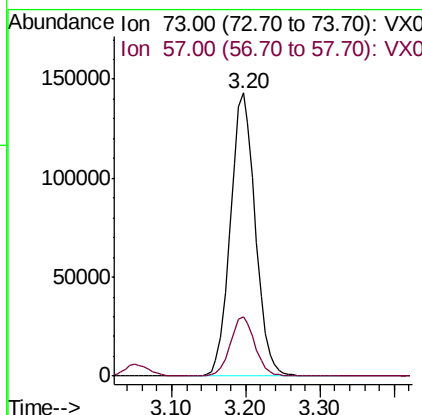
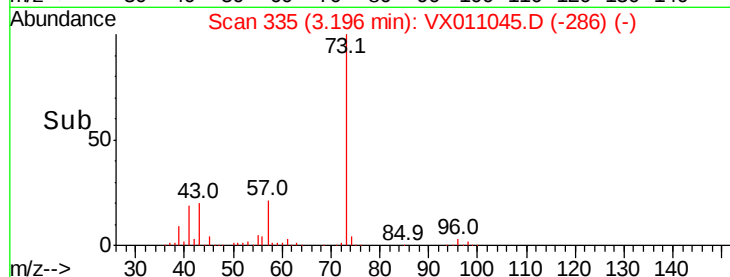
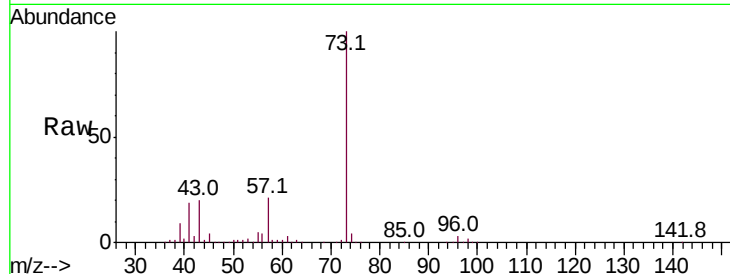
#19
Methyl tert-butyl Ether
Concen: 51.539 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.3	25.9

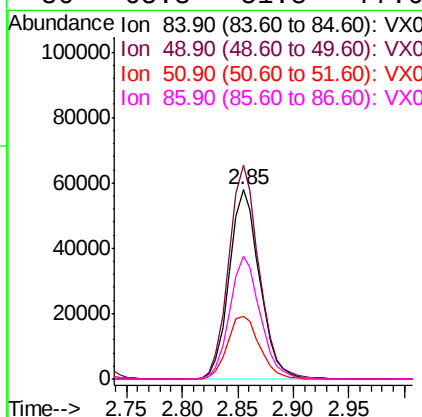
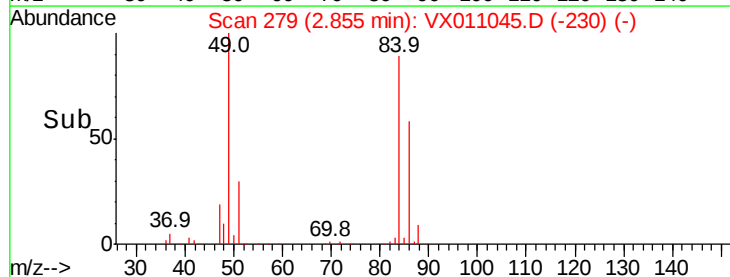
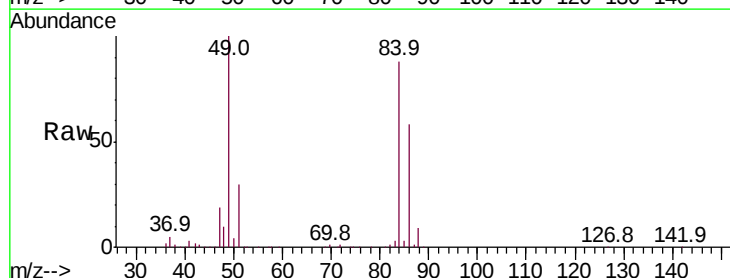
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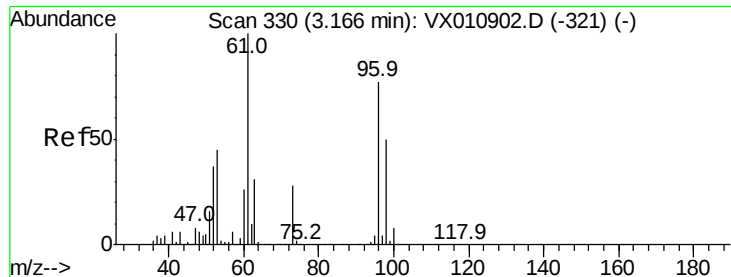
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#20
Methylene Chloride
Concen: 47.660 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	89.9	134.9
51	33.4	27.8	41.6
86	65.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 47.891 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 102332

Ion Ratio Lower Upper

96 100

61 124.1 104.2 156.2

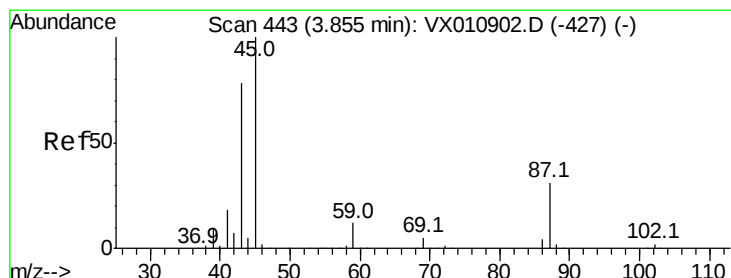
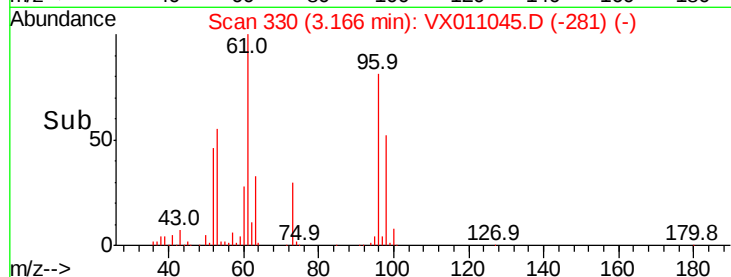
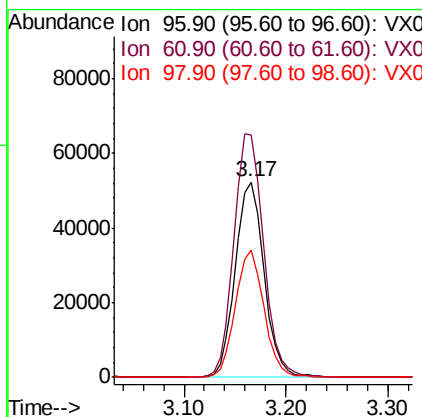
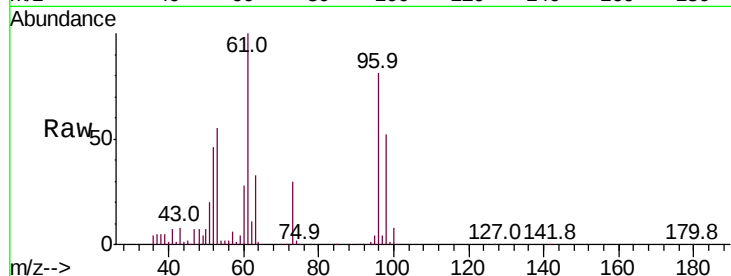
98 64.9 52.2 78.4

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#22

Diisopropyl ether

Concen: 49.642 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion: 45 Resp: 306255

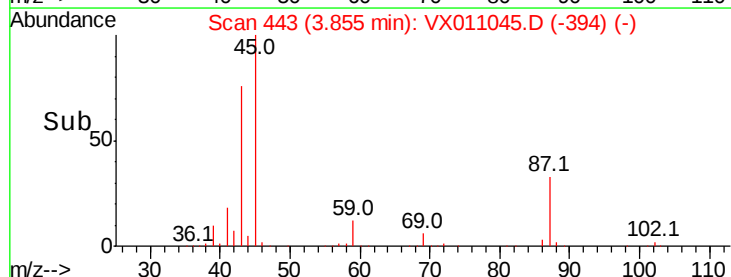
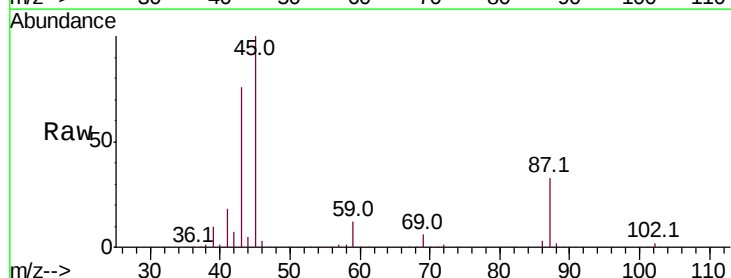
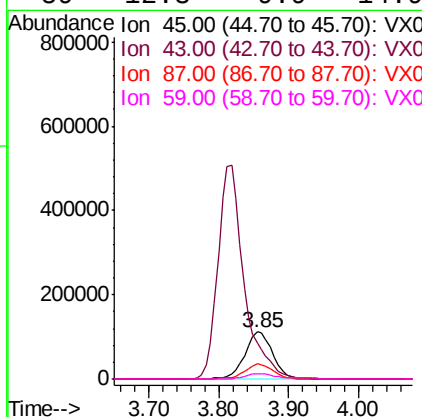
Ion Ratio Lower Upper

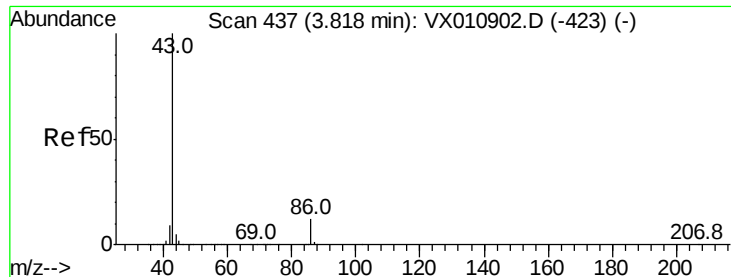
45 100

43 76.2 62.3 93.5

87 33.3 25.0 37.4

59 12.3 9.9 14.9





#23

Vinyl Acetate

Concen: 253.303 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1324071

Ion Ratio Lower Upper

43 100

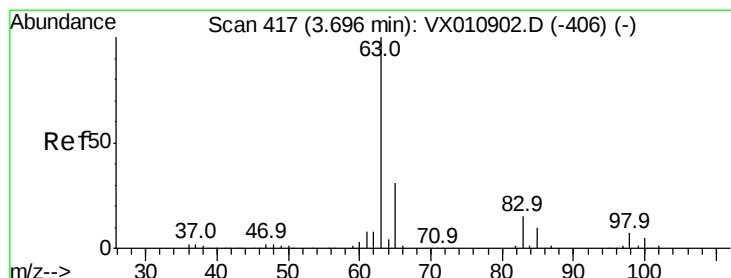
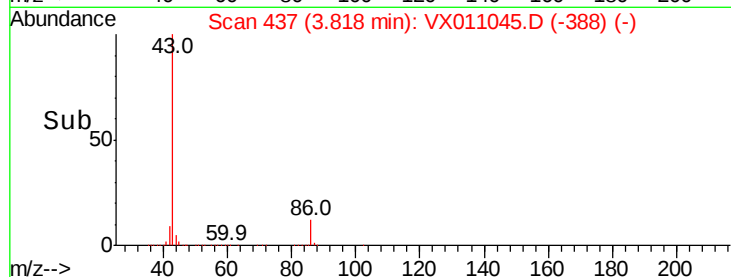
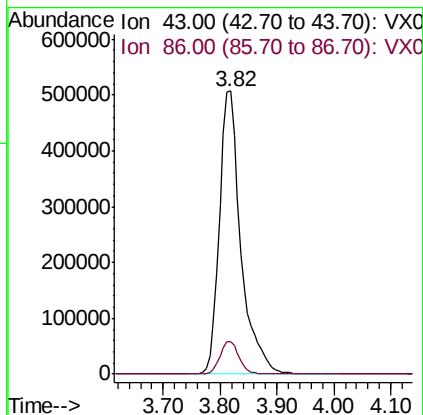
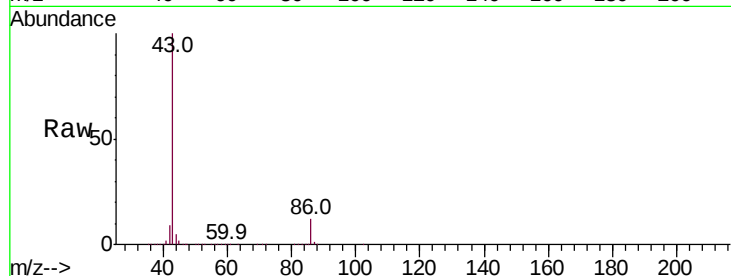
86 11.6 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 49.188 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

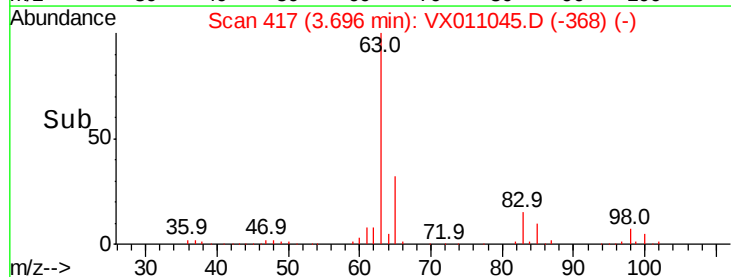
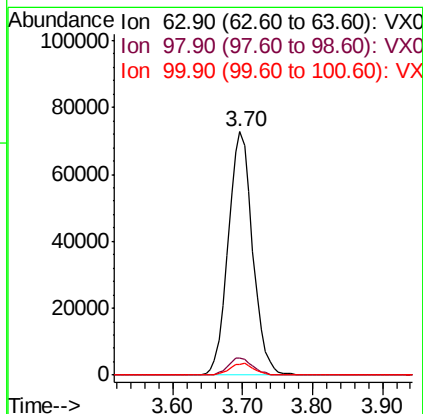
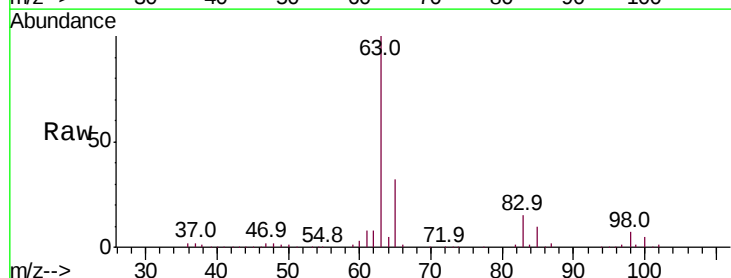
Tgt Ion: 63 Resp: 176232

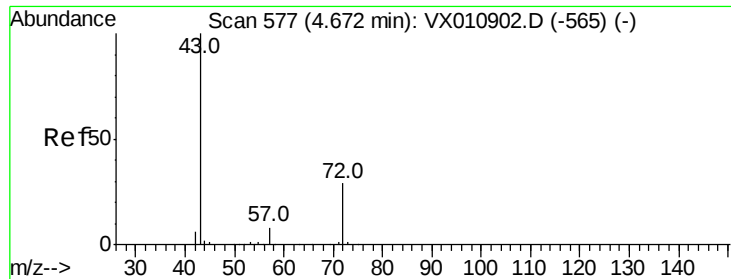
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 250.010 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 389863

Ion Ratio Lower Upper

43 100

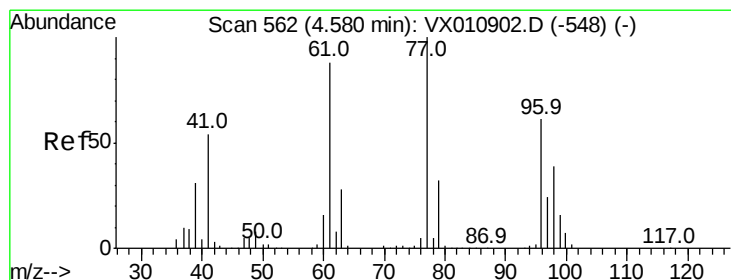
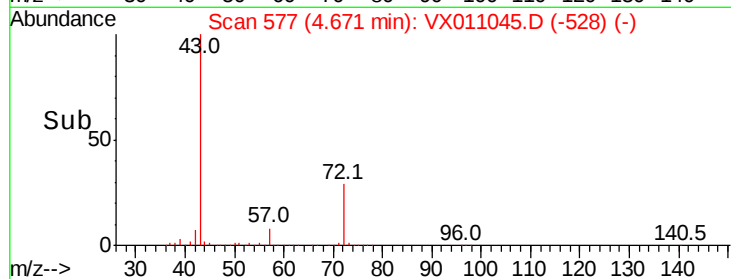
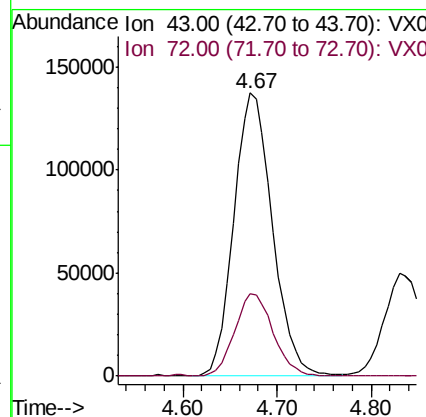
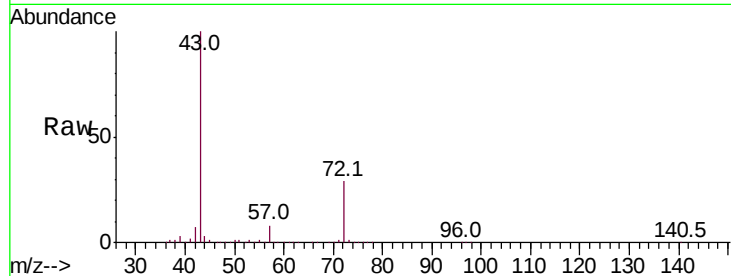
72 29.0 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 43.622 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011045.D

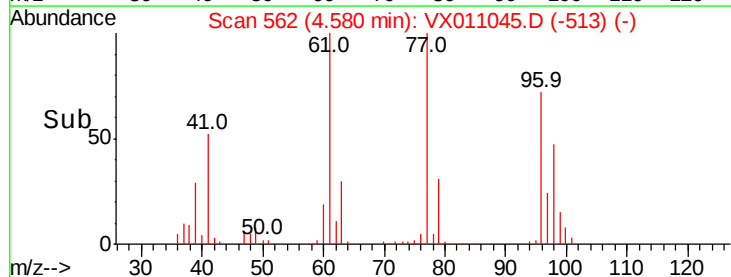
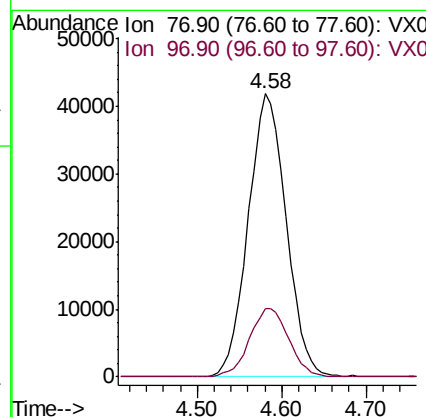
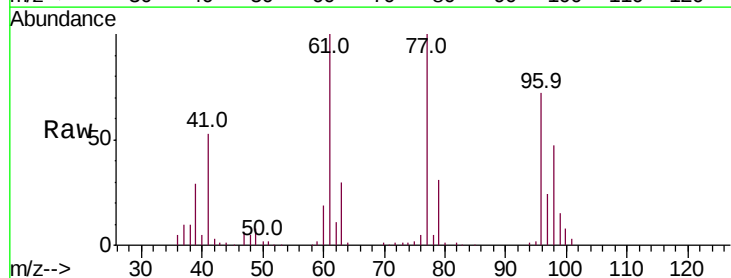
Acq: 22 Jul 2019 20:54

Tgt Ion: 77 Resp: 128329

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6





#27

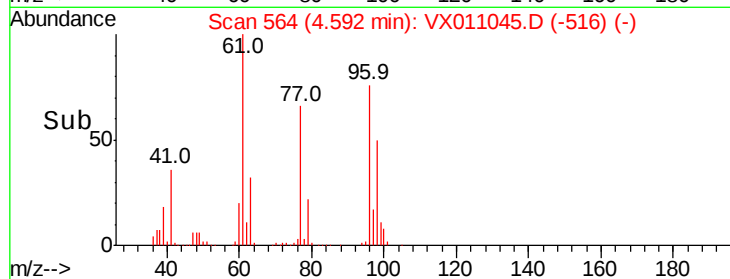
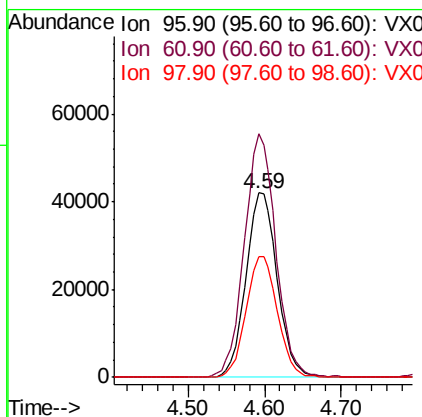
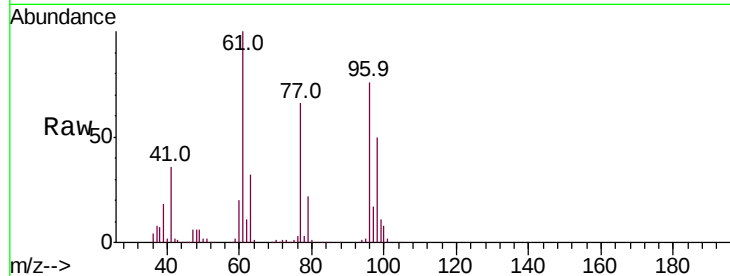
cis-1,2-Dichloroethene
 Concen: 48.282 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119398		
61	133.5	0.0	269.0	
98	65.8	0.0	131.4	

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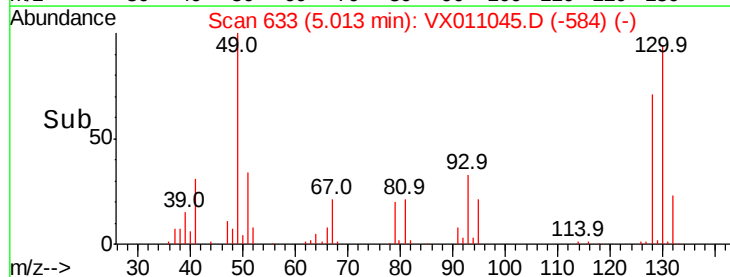
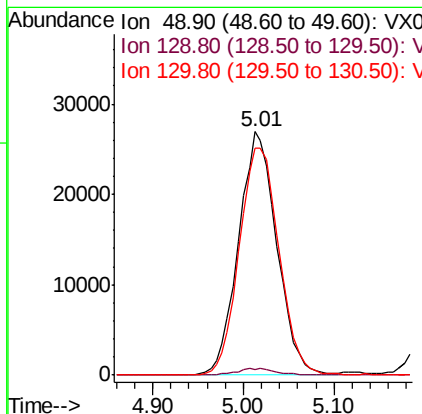
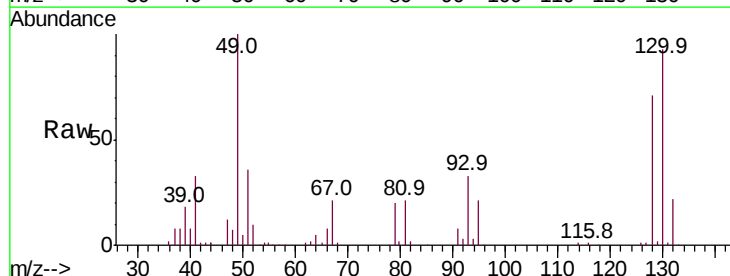
MMDadoda
 7/23/2019 11:12:27 AM

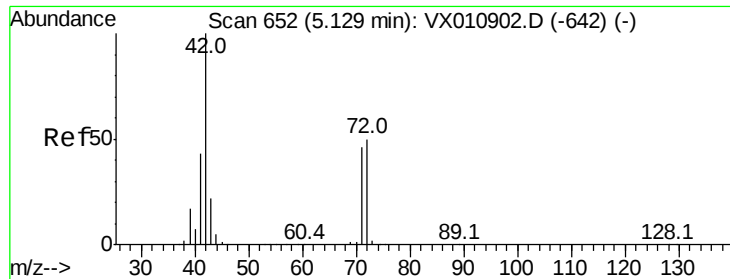


#28

Bromochloromethane
 Concen: 46.673 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78801		
129	2.8	0.0	5.2	
130	96.9	76.9	115.3	





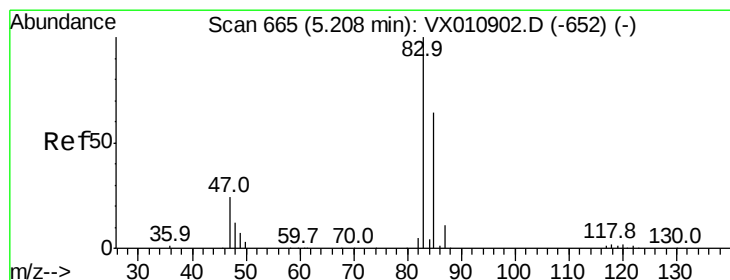
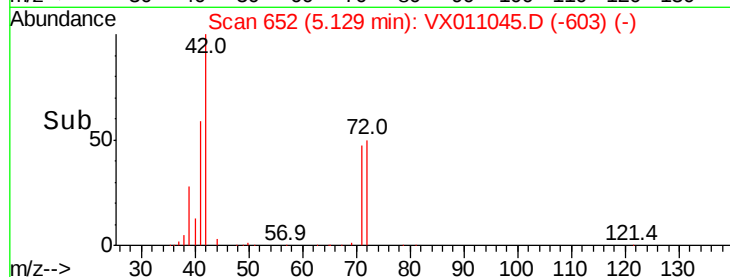
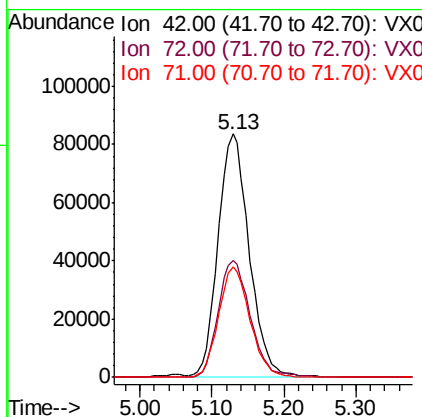
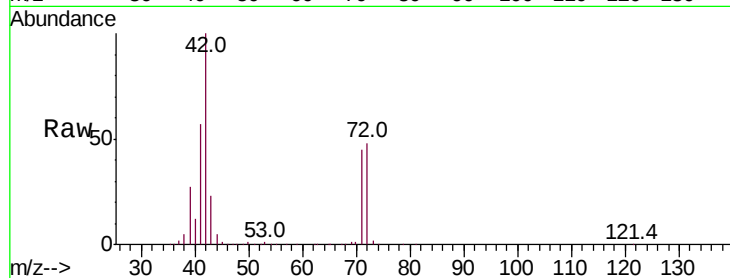
#29
Tetrahydrofuran
Concen: 253.493 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	39.8	59.8
71	45.9	37.0	55.4

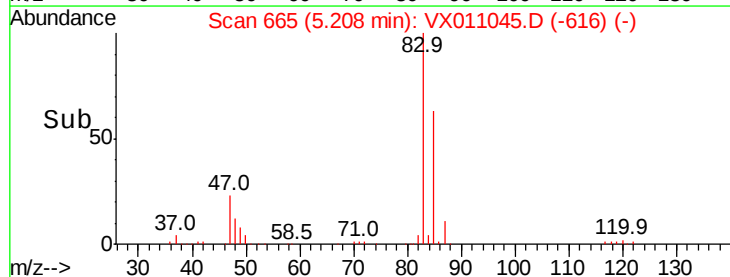
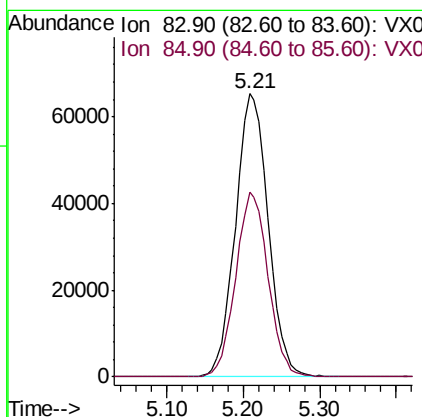
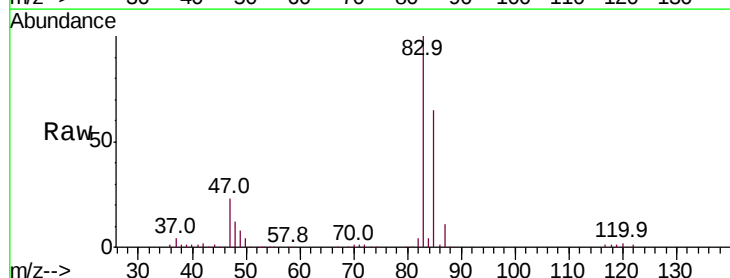
Manual Integrations
APPROVED

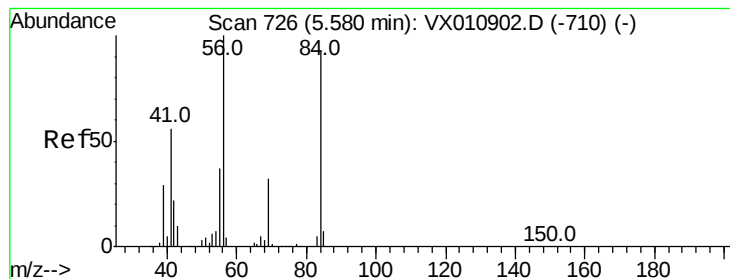
MMDadoda
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#30
Chloroform
Concen: 50.060 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0





#31

Cyclohexane

Concen: 48.302 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 157741

Ion Ratio Lower Upper

56 100

69 31.2 25.8 38.8

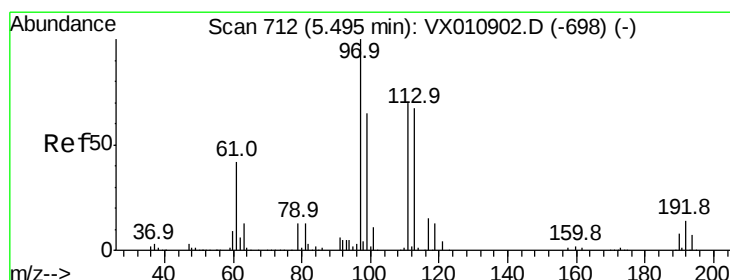
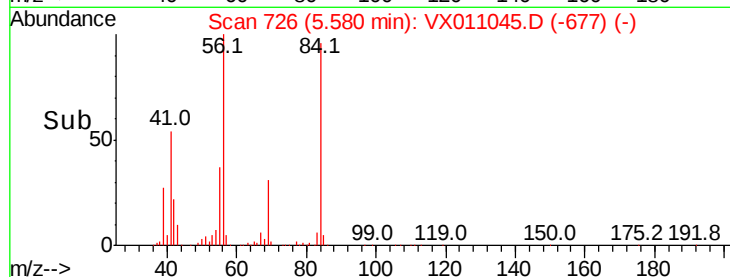
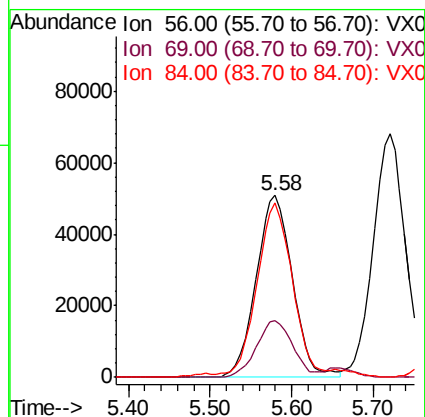
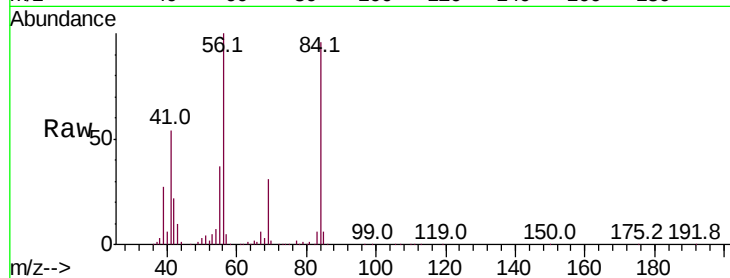
84 94.6 73.8 110.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 51.579 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

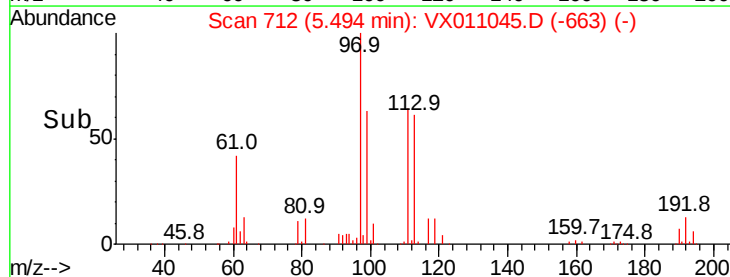
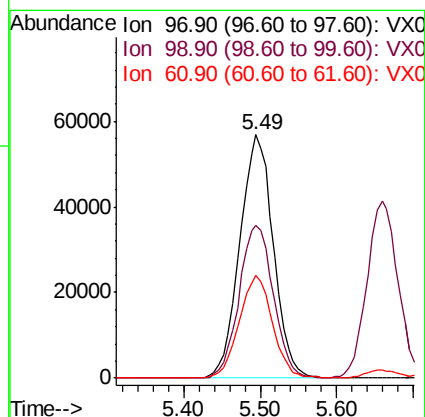
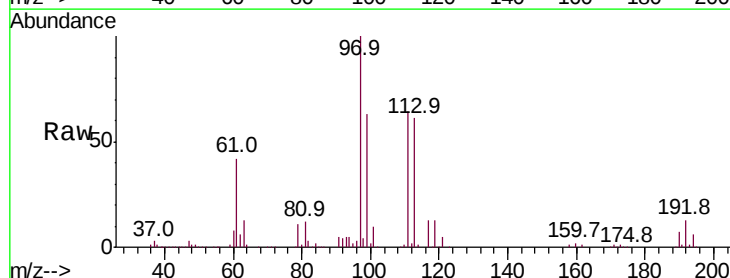
Tgt Ion: 97 Resp: 172814

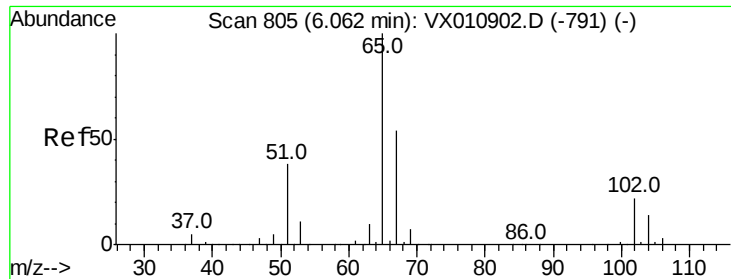
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 41.9 33.0 49.6





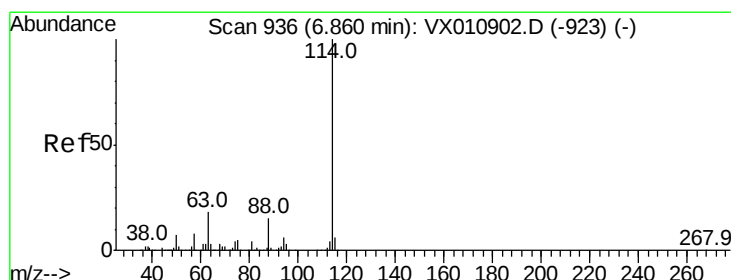
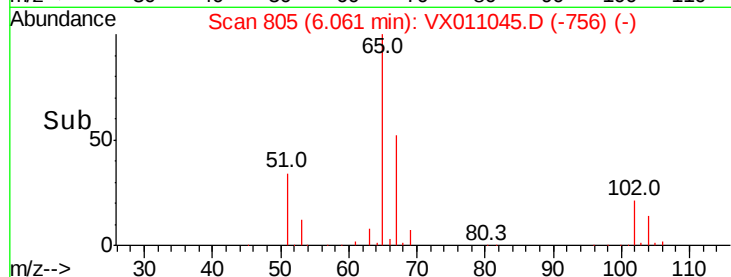
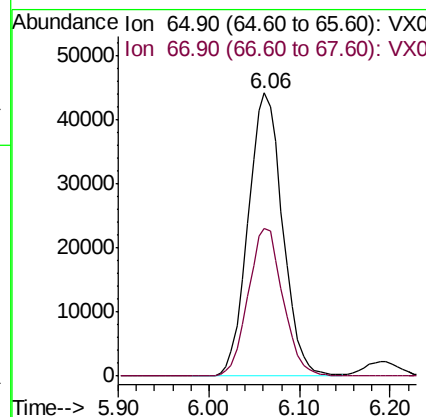
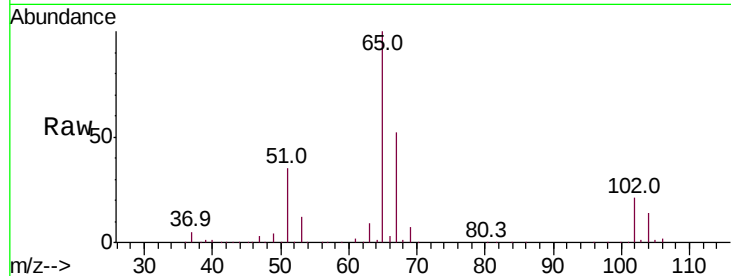
#33
 1,2-Dichloroethane-d4
 Concen: 48.434 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.8

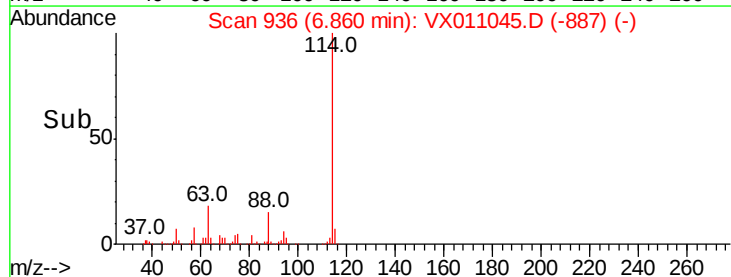
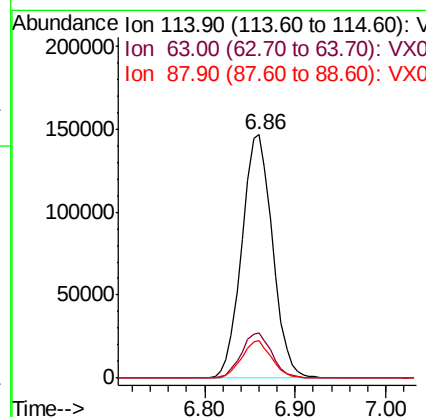
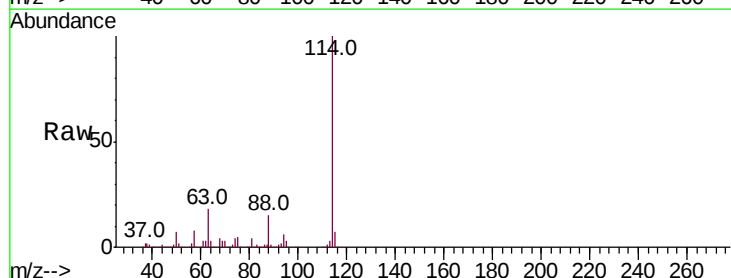
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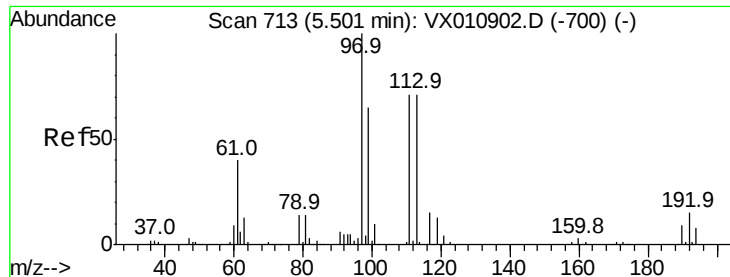
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	15.2	0.0	29.8





#35

Dibromofluoromethane

Concen: 46.473 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

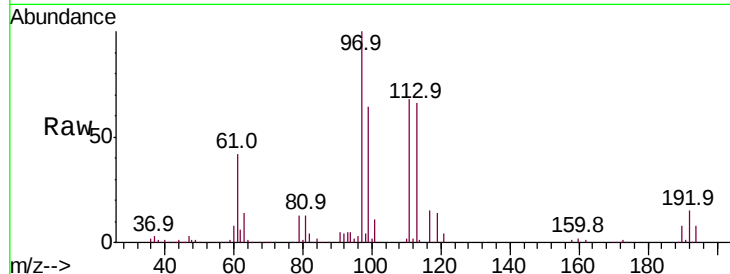
ClientSampleId :

VSTDCCC050EC

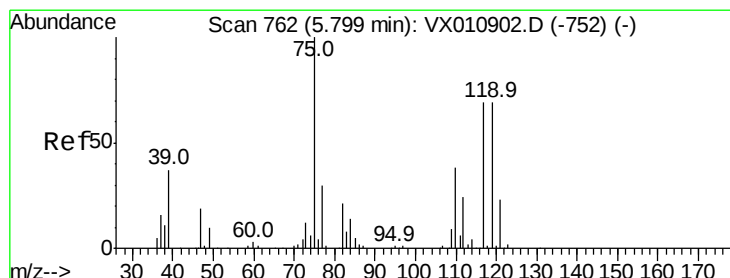
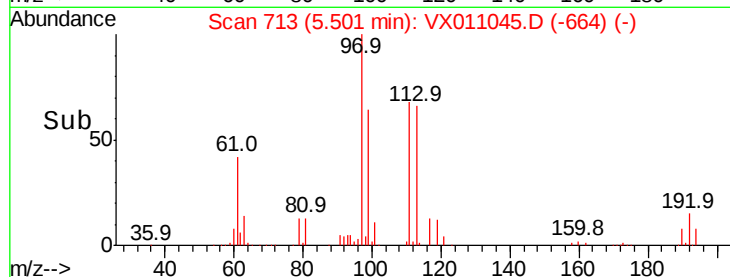
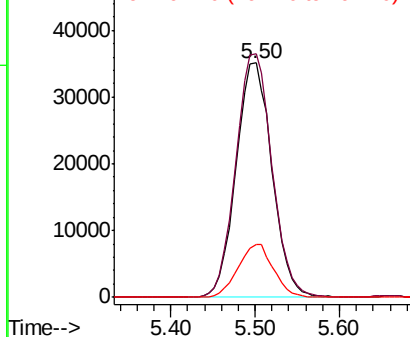
Tot Ion:	113	Resp:	101468
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.3	123.5
192	22.2	17.4	26.2

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.242 ug/l

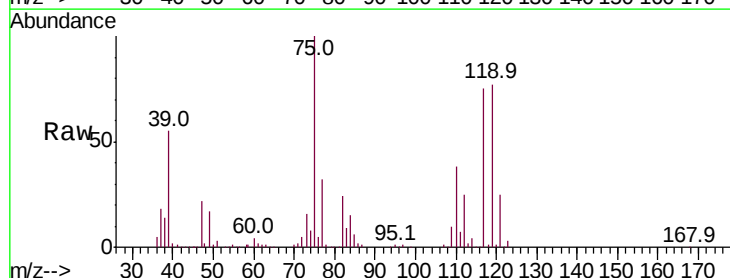
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

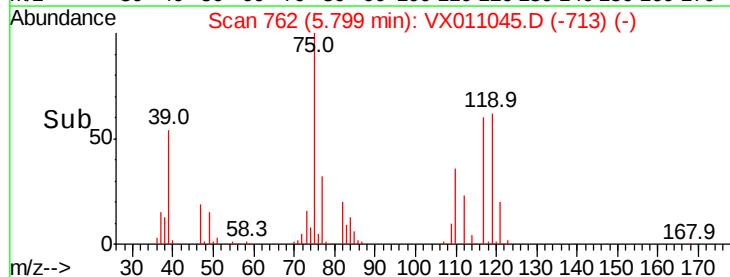
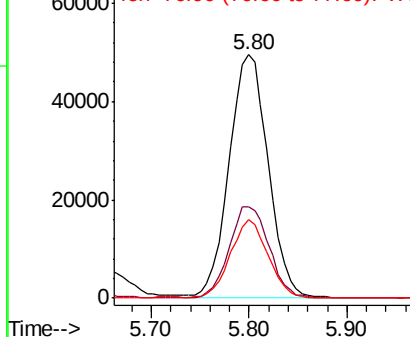
Lab File: VX011045.D

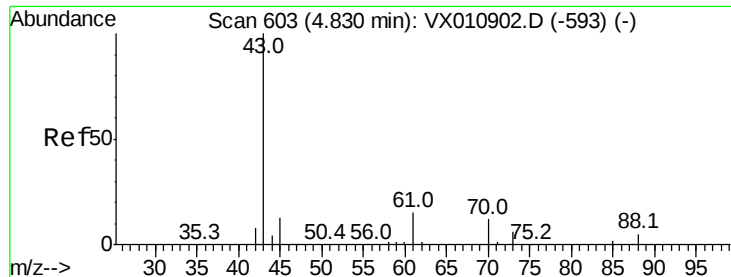
Acq: 22 Jul 2019 20:54

Tgt Ion:	75	Resp:	136309
Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.9	59.7
77	31.3	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





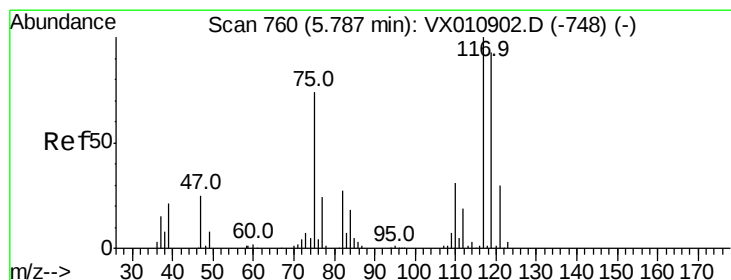
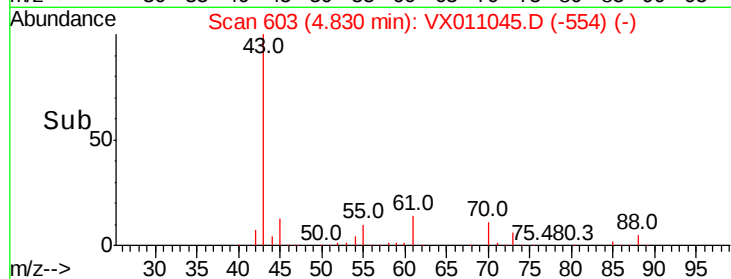
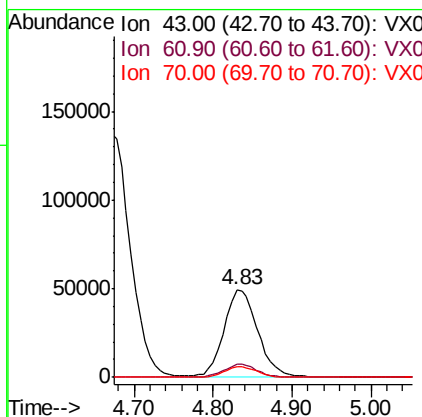
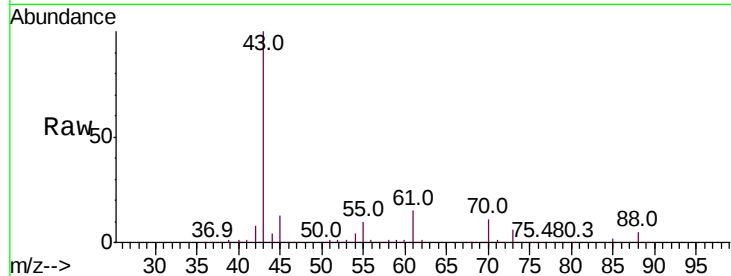
#37
Ethyl Acetate
Concen: 50.468 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.6	17.4
70	11.9	9.1	13.7

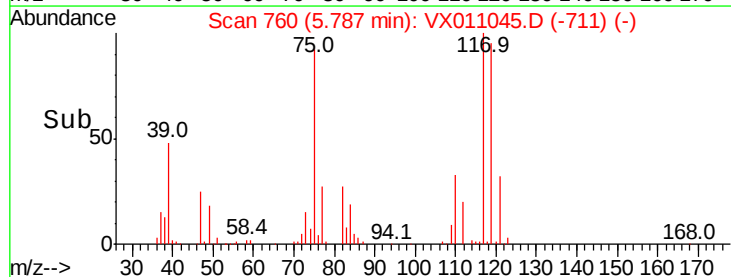
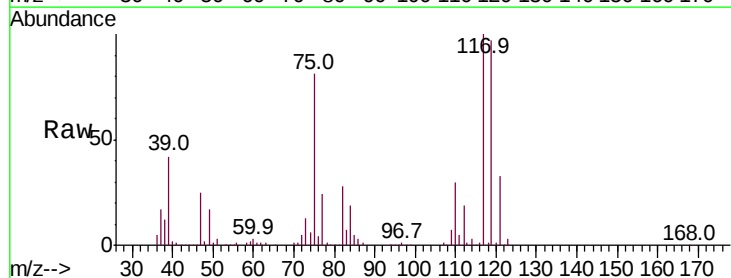
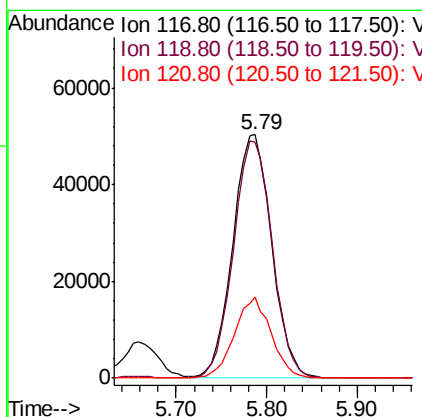
Manual Integrations
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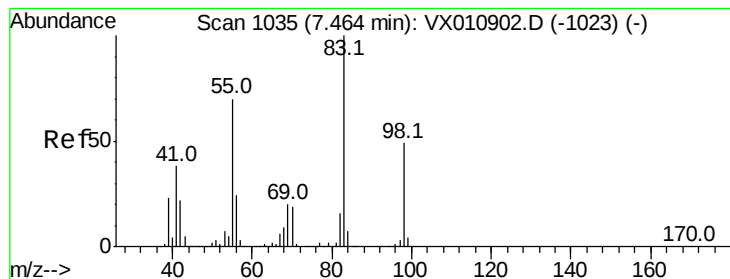
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.685 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.2	111.2
121	33.2	24.2	36.2





#39

Methvlcvclohexane

Concen: 46.451 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

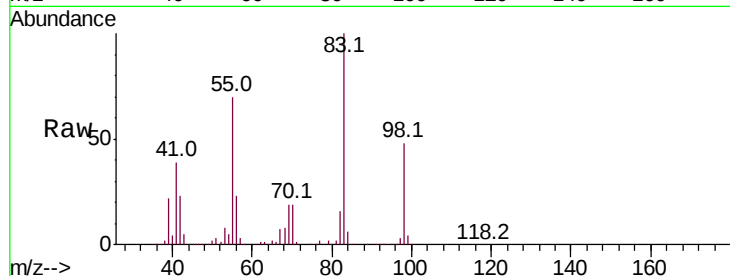
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170204
Ion	Ratio	Lower	Upper
83	100		
55	69.8	56.2	84.4
98	47.8	39.0	58.4

Manual Integrations
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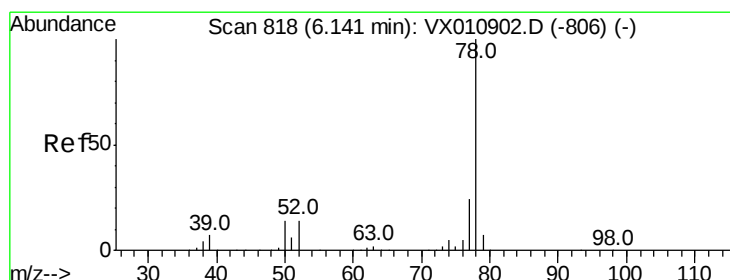
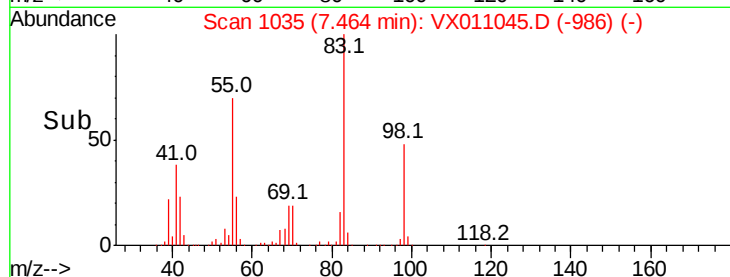
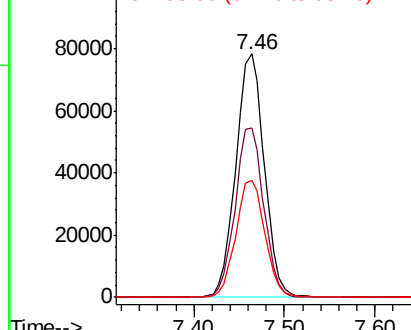


Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 48.137 ug/l

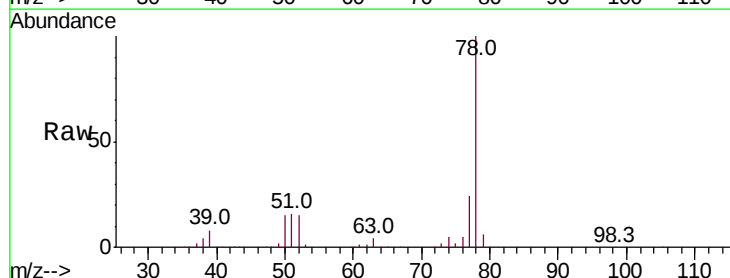
RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

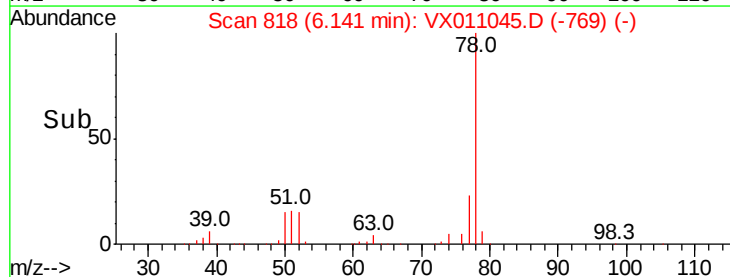
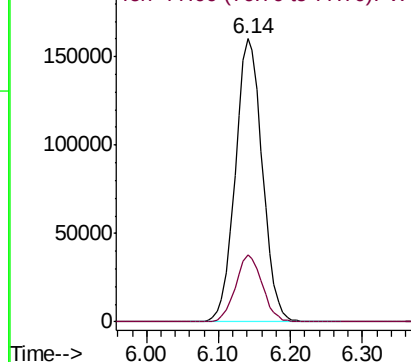
Tgt Ion:	78	Resp:	416640
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6

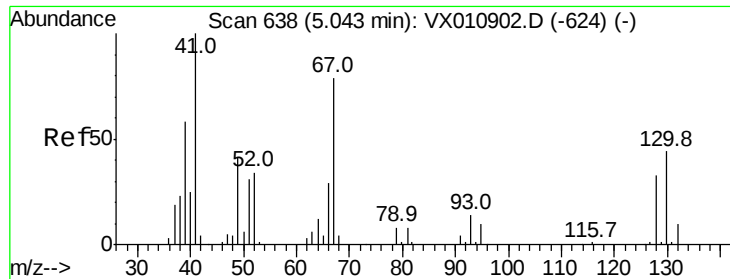


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





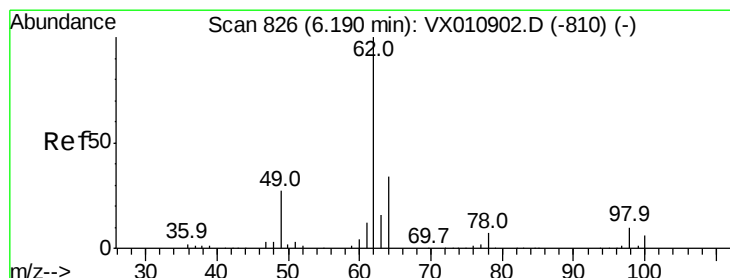
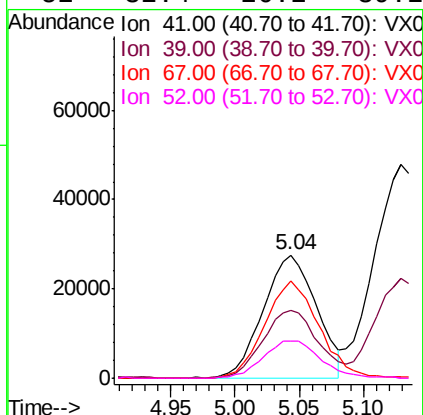
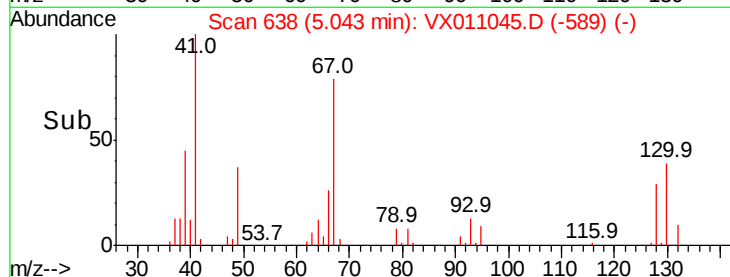
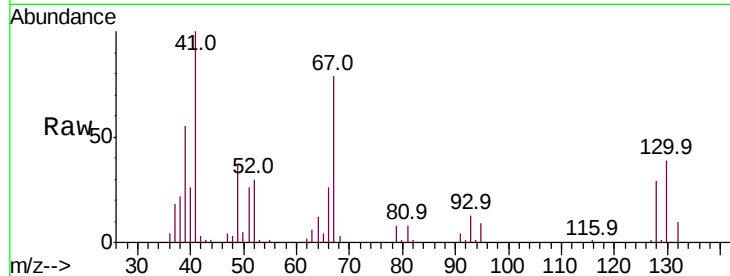
#41
Methacrylonitrile
Concen: 48.131 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	45.4	68.2	
67	80.7	65.9	98.9	
52	32.4	26.2	39.2	

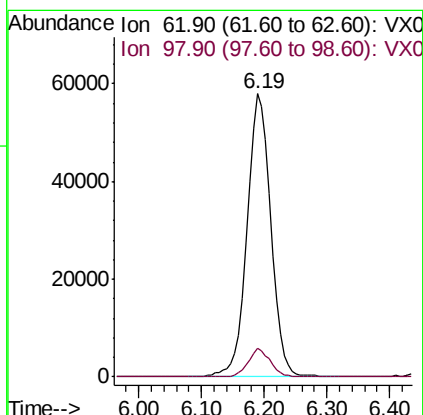
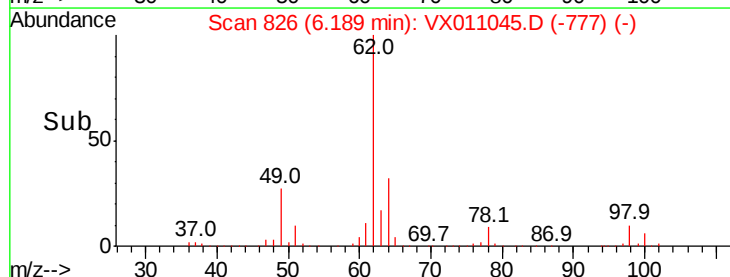
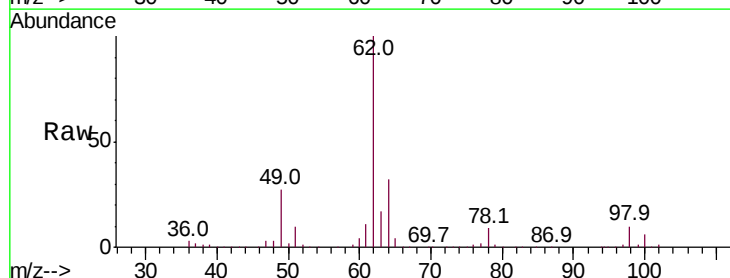
Manual Integrations
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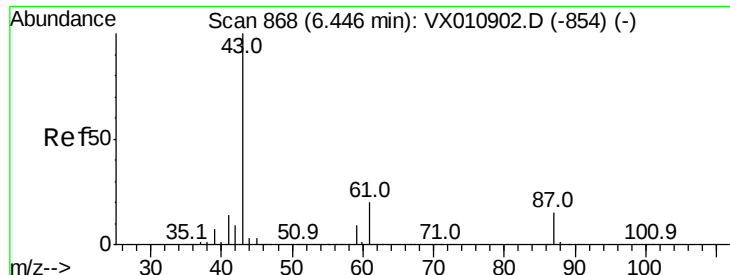
MMDadoda
7/23/2019 11:12:27 AM



#42
1,2-Dichloroethane
Concen: 50.594 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.0	





#43

Isopropyl Acetate

Concen: 50.717 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

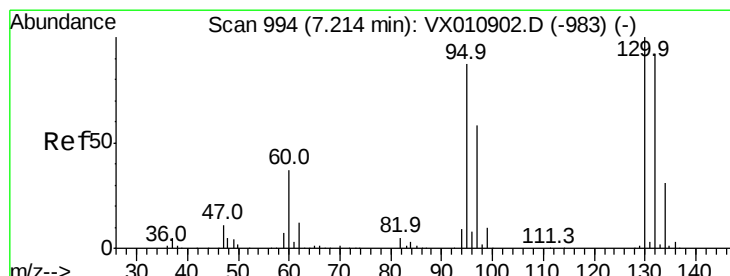
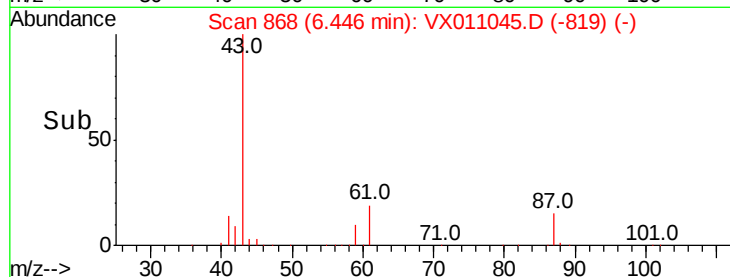
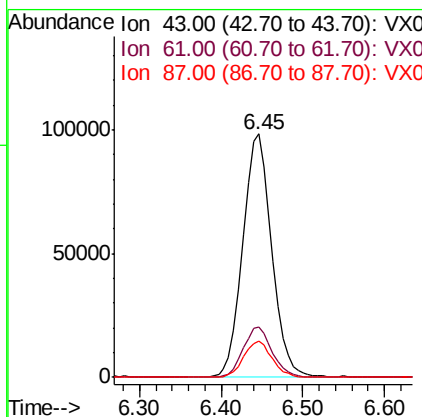
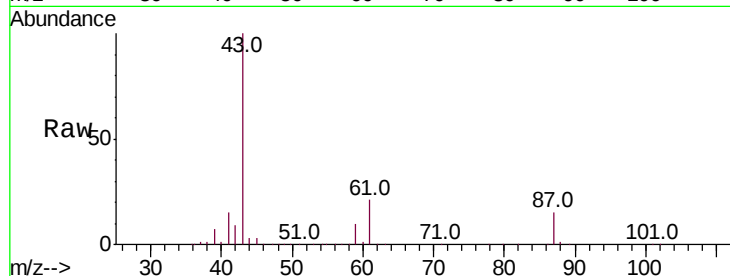
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	241283
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.1	25.7
87	15.0	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 47.733 ug/l

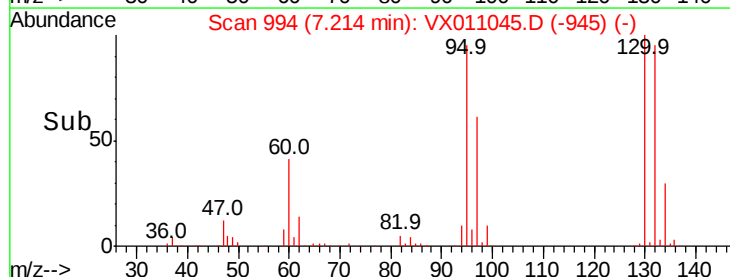
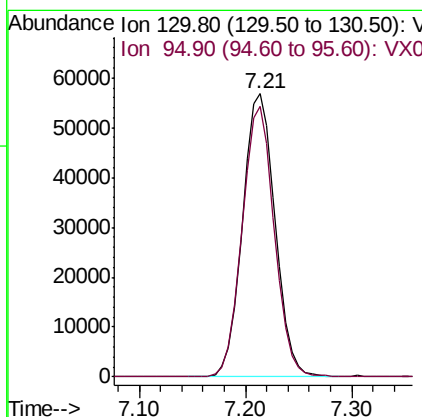
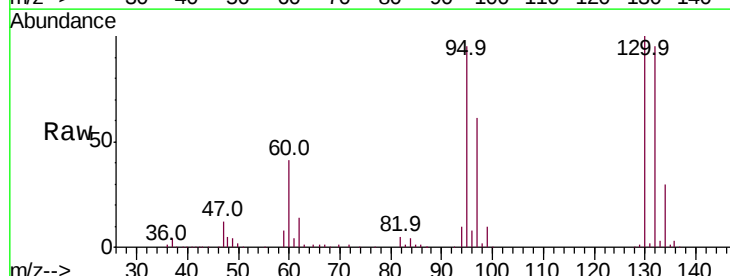
RT: 7.21 min Scan# 994

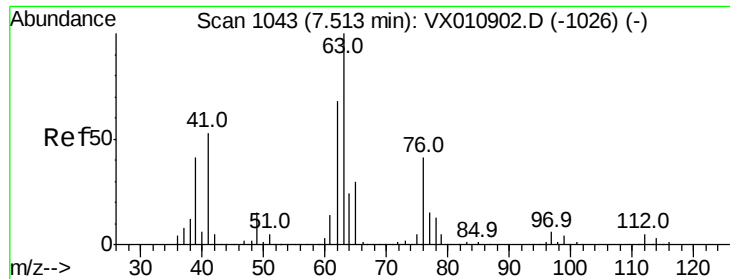
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	130	Resp:	122292
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	174.8





#45

1,2-Dichloropropane

Concen: 48.428 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 106683

Ion Ratio Lower Upper

63 100

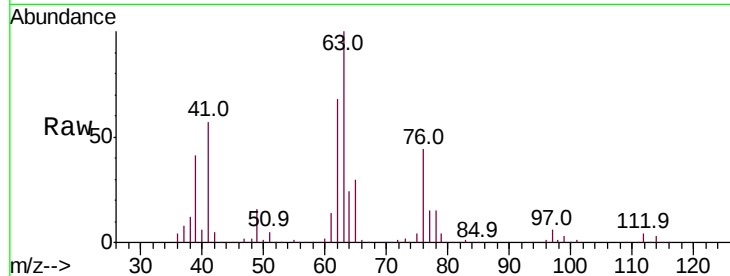
65 30.5 24.4 36.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

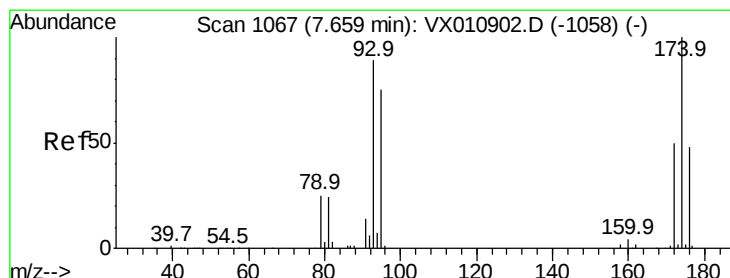
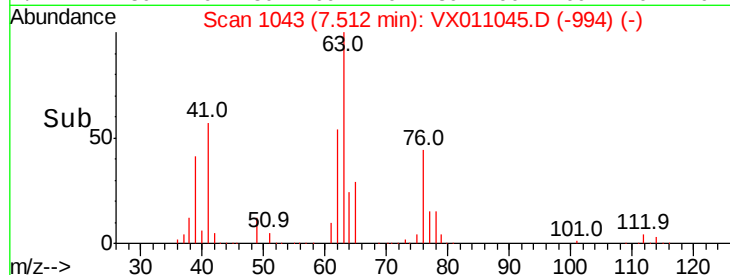
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 49.903 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

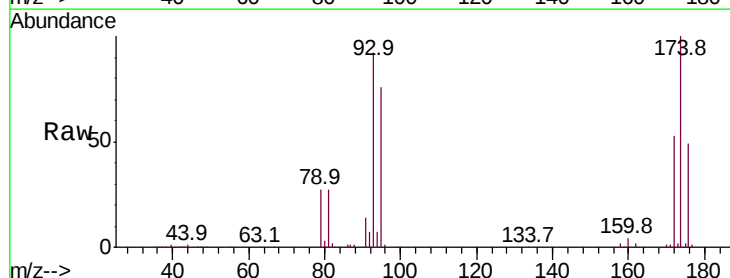
Tgt Ion: 93 Resp: 78553

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 112.6 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

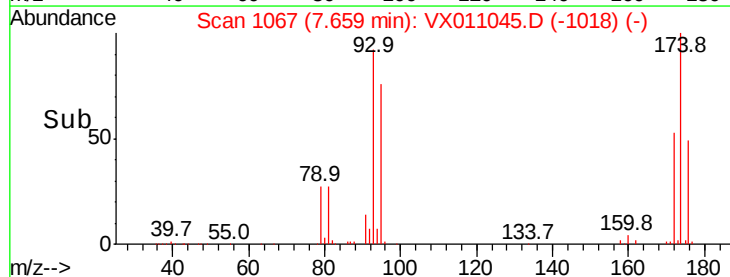
20000

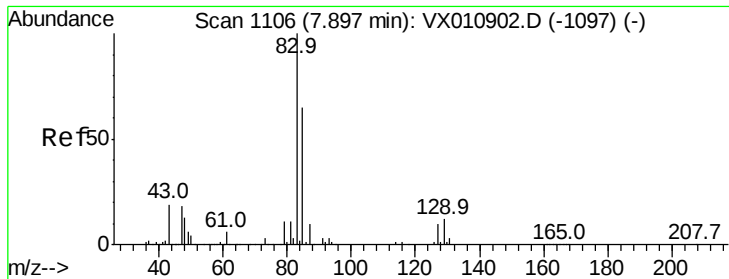
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 52.079 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

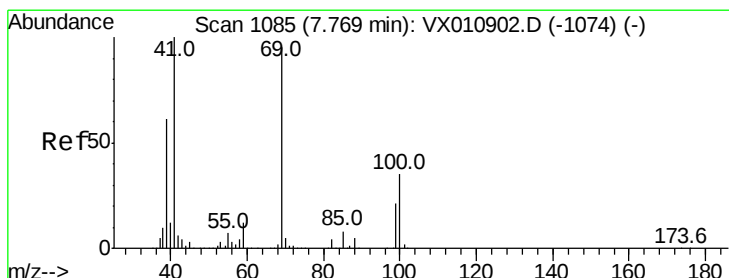
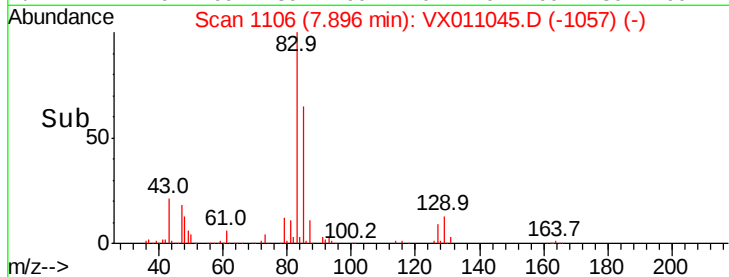
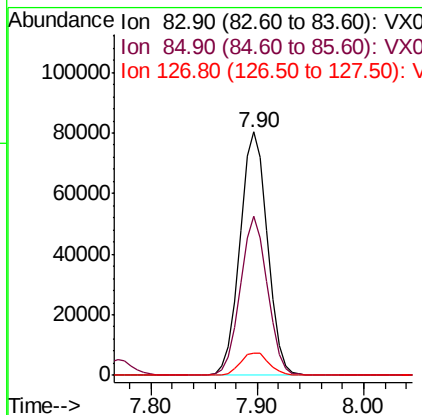
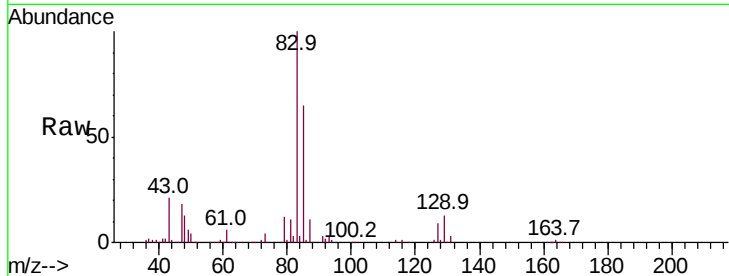
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	145930
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7
127	9.1	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.585 ug/l

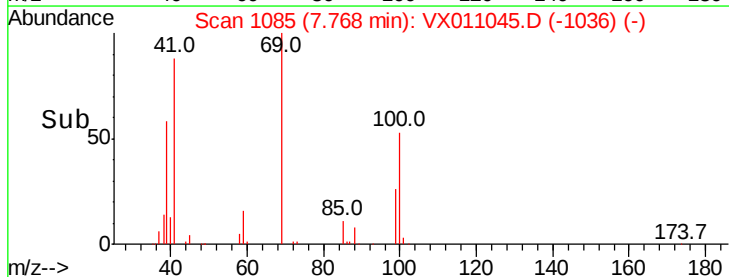
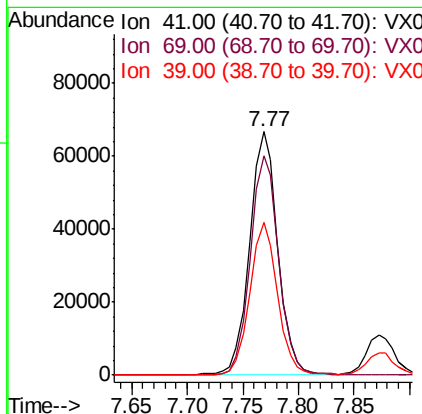
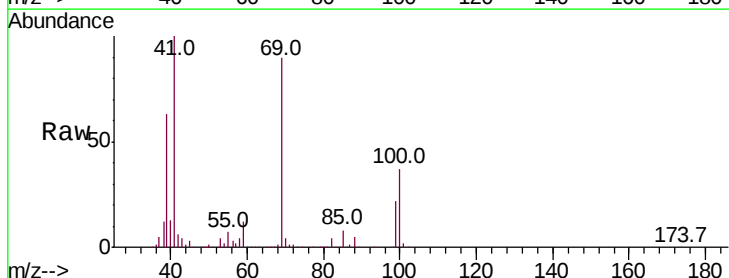
RT: 7.77 min Scan# 1085

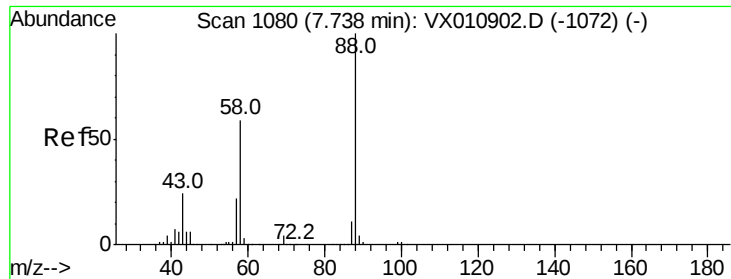
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	41	Resp:	117234
Ion	Ratio	Lower	Upper
41	100		
69	91.1	74.4	111.6
39	61.9	48.9	73.3





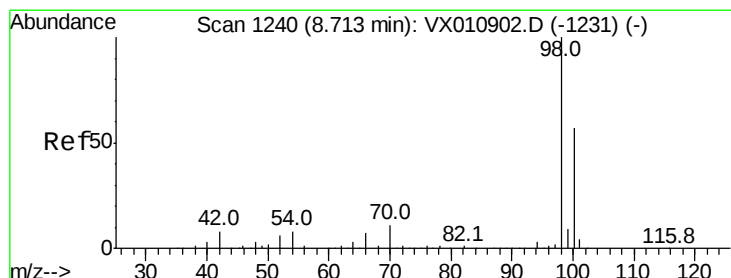
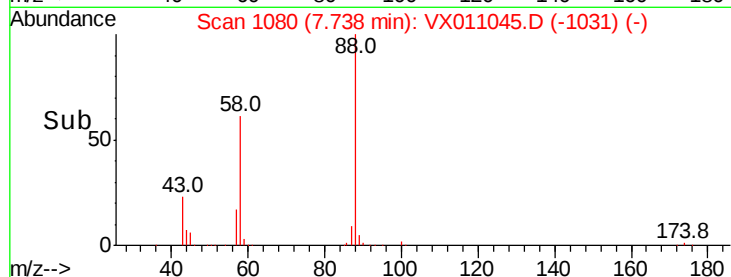
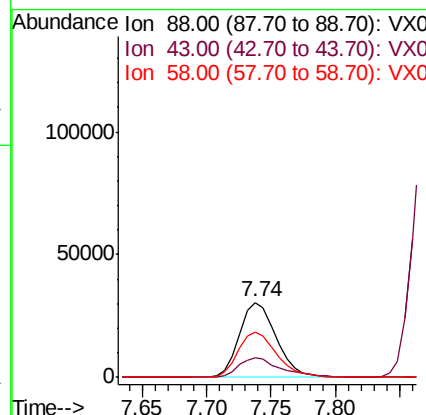
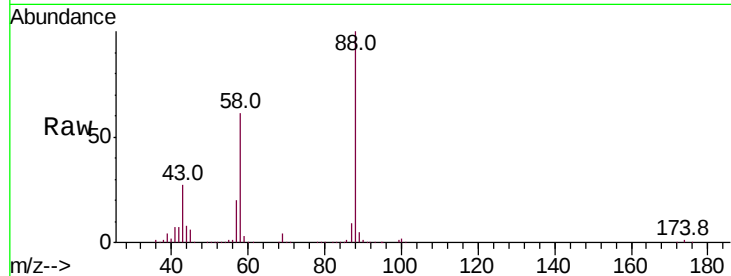
#49
1,4-Dioxane
Concen: 929.398 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.9	34.3
58	63.8	49.8	74.8

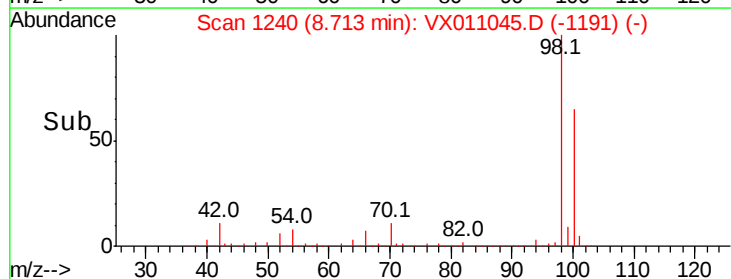
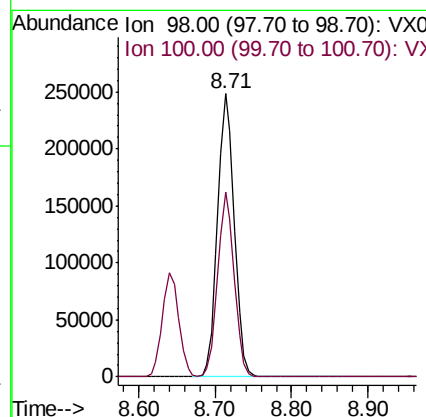
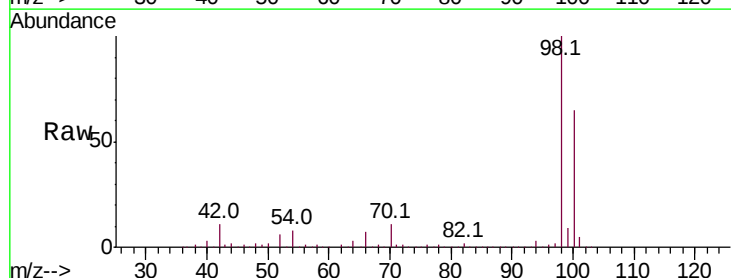
Manual Integrations
APPROVED

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7/23/2019 11:12:27 AM



#50
Toluene-d8
Concen: 46.126 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 258.865 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 798323

Ion Ratio Lower Upper

43 100

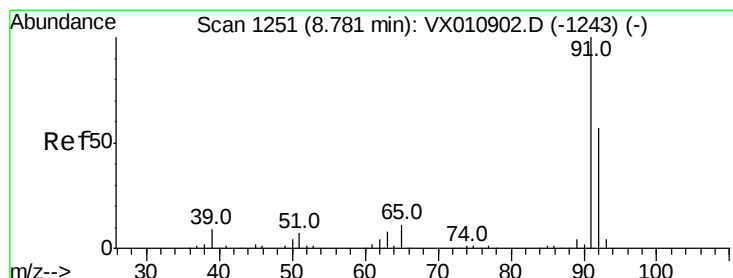
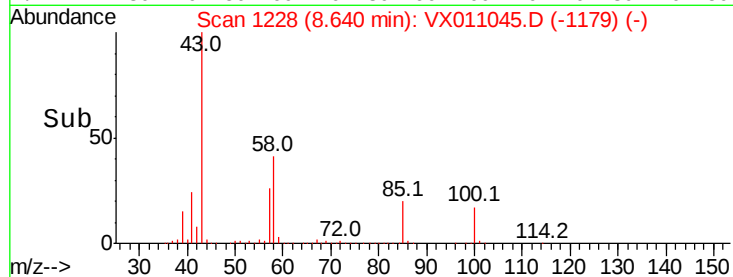
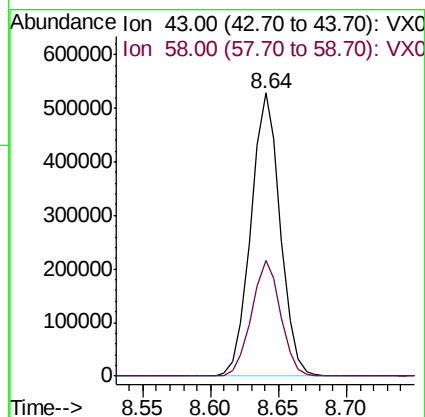
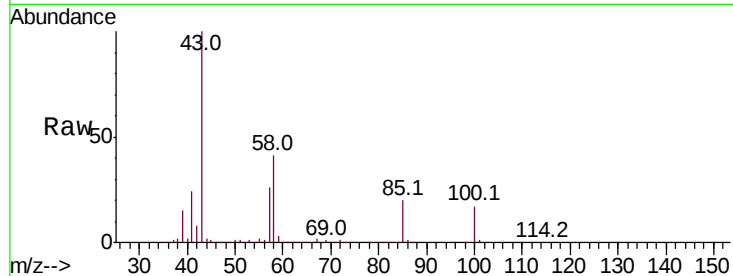
58 40.6 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 48.557 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011045.D

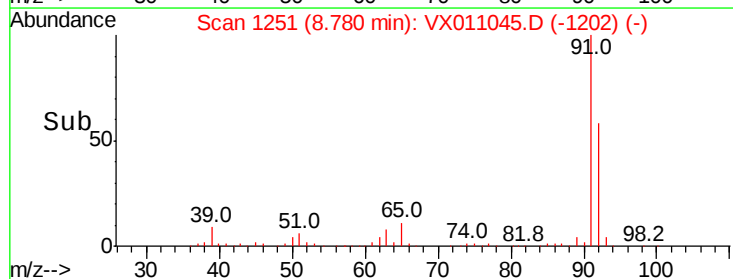
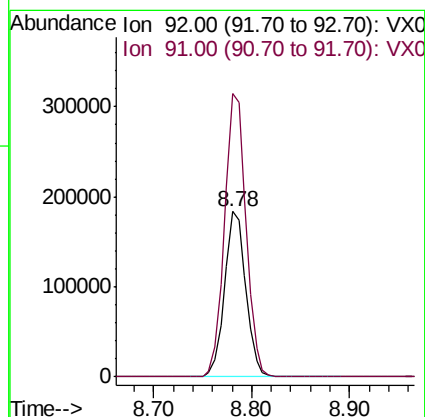
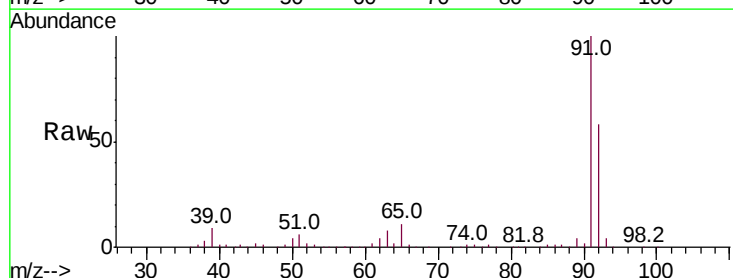
Acq: 22 Jul 2019 20:54

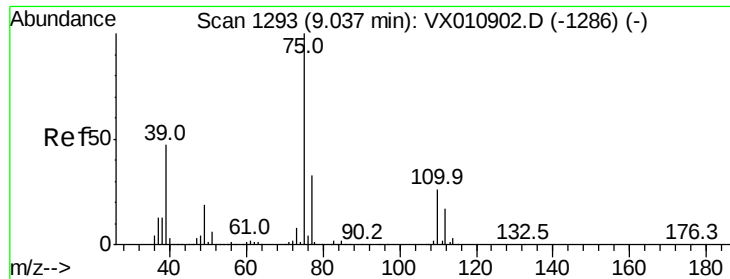
Tgt Ion: 92 Resp: 276091

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 52.301 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tot Ion: 75 Resp: 157580

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

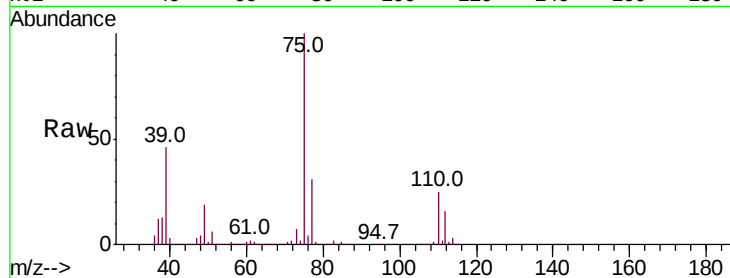
VSTDCCC050EC

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

120000

100000

80000

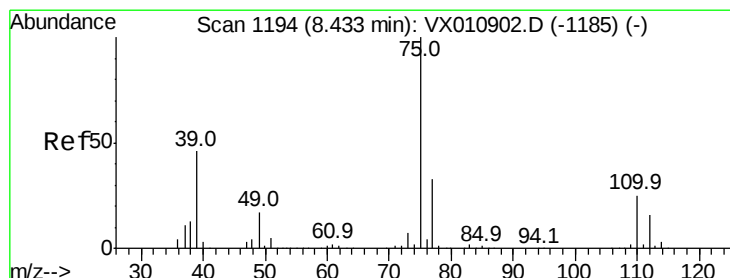
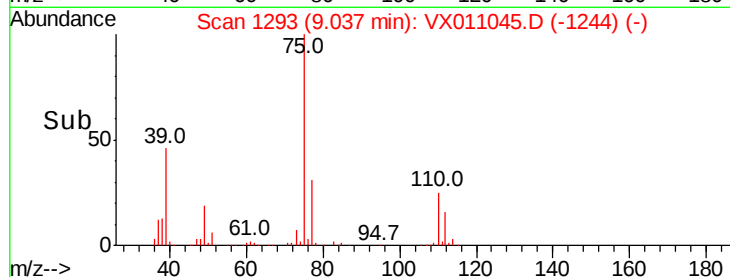
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 50.444 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

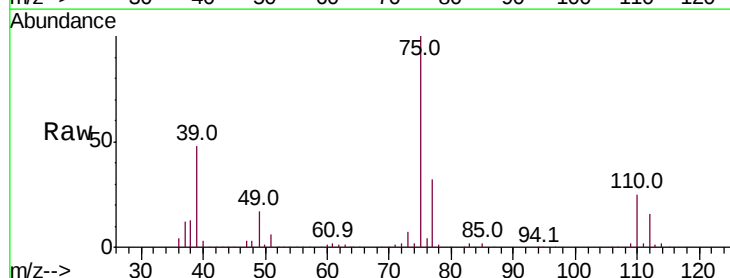
Tgt Ion: 75 Resp: 169120

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 47.5 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

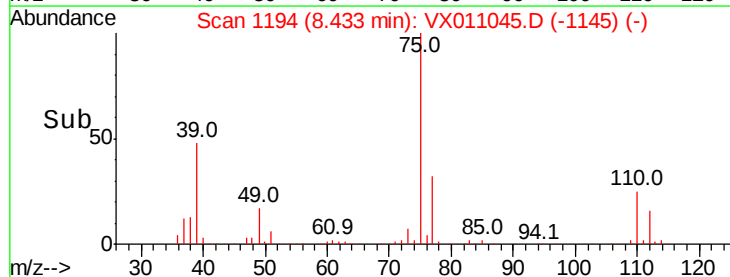
150000

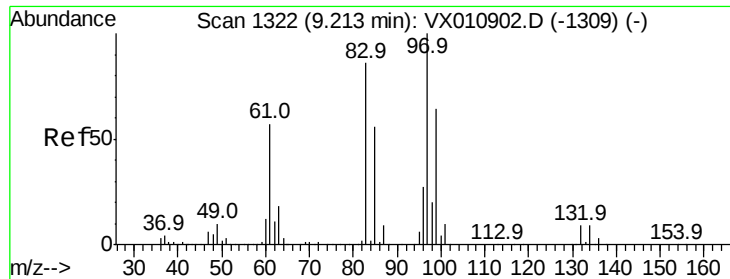
100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55





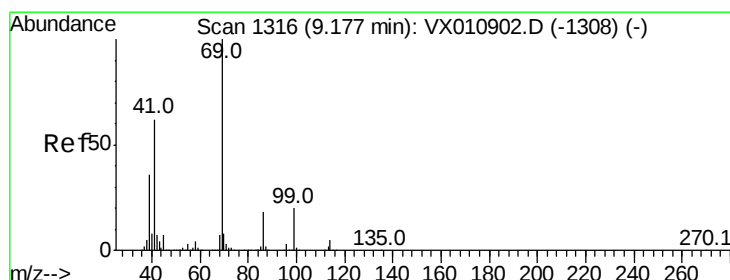
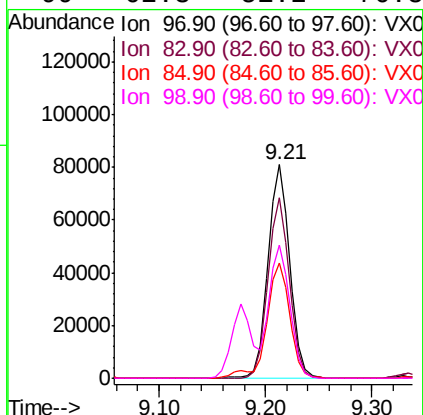
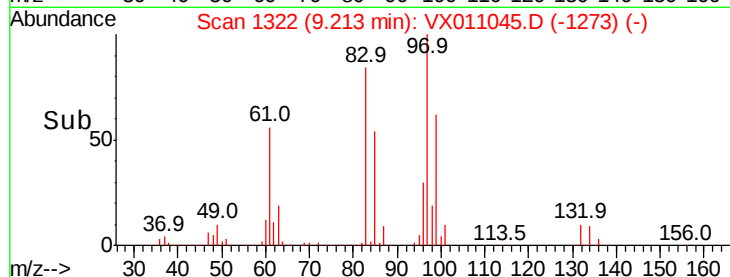
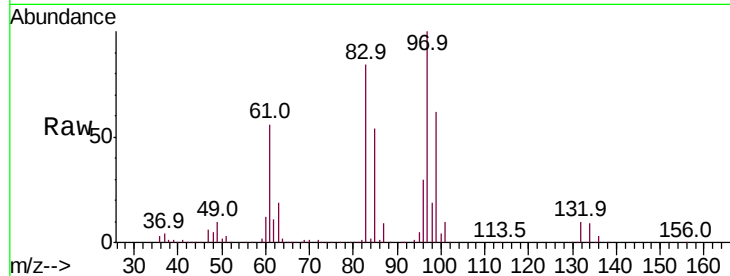
#55
1,1,2-Trichloroethane
Concen: 49.407 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	54.2	44.6	66.8
99	62.3	51.2	76.8

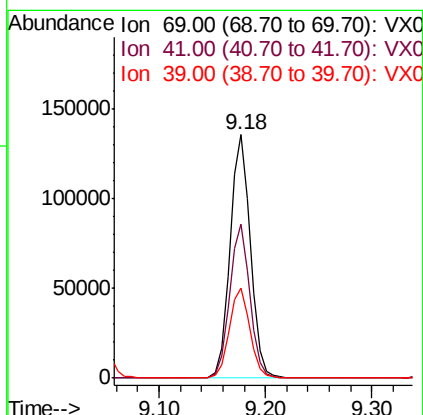
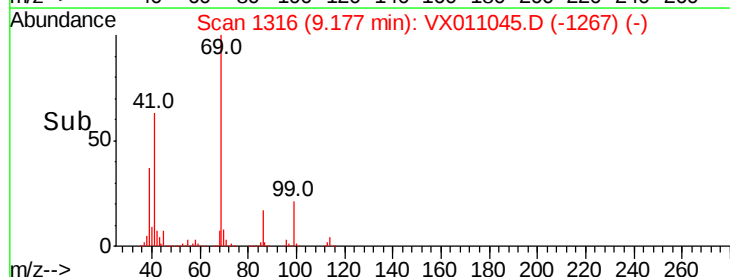
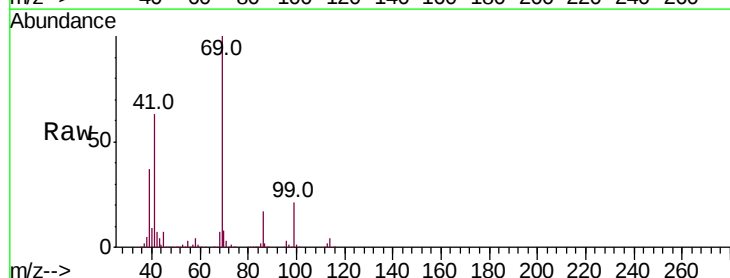
Manual Integrations
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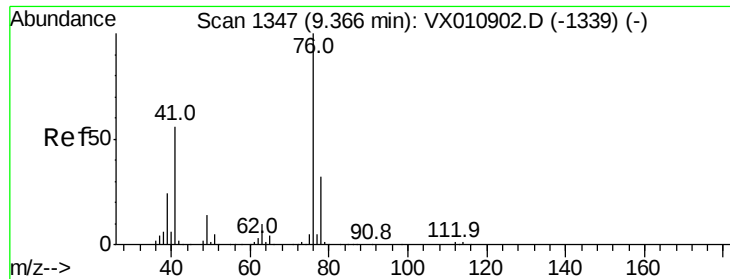
MMDadoda
7/23/2019 11:12:27 AM



#56
Ethyl methacrylate
Concen: 53.181 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	37.2	29.6	44.4





#57

1,3-Dichloropropane

Concen: 49.409 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 183499

Ion Ratio Lower Upper

76 100

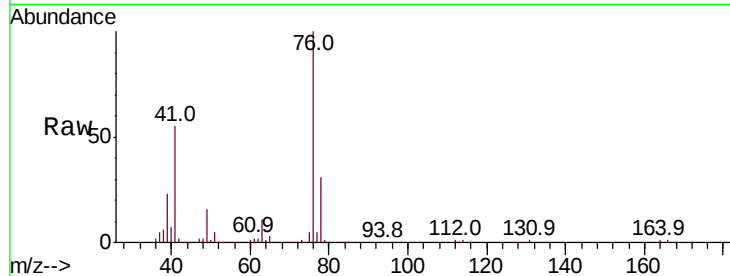
78 32.4 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

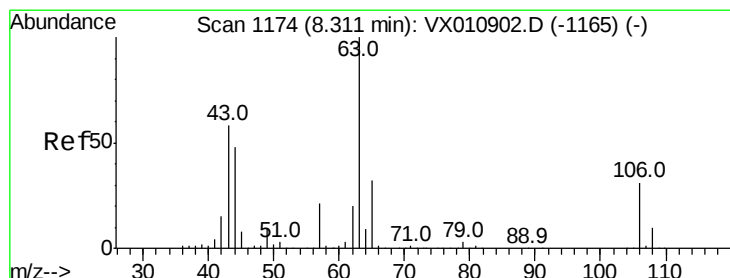
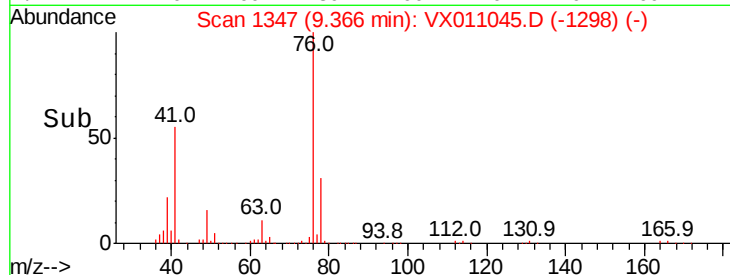
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.917 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX011045.D

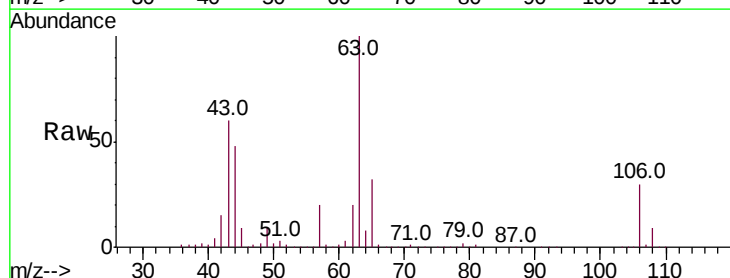
Acq: 22 Jul 2019 20:54

Tgt Ion: 63 Resp: 410182

Ion Ratio Lower Upper

63 100

106 30.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

150000

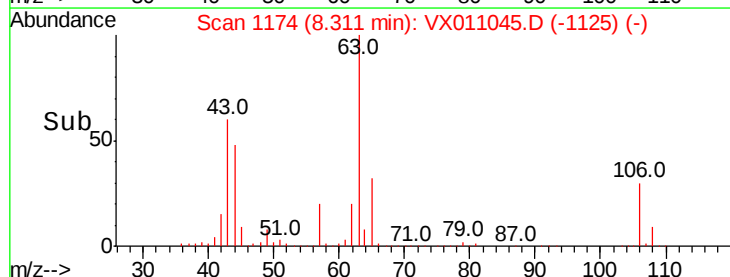
100000

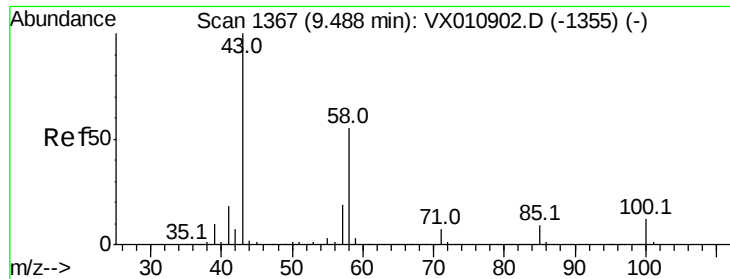
50000

0

8.20 8.25 8.30 8.35 8.40

Time-->





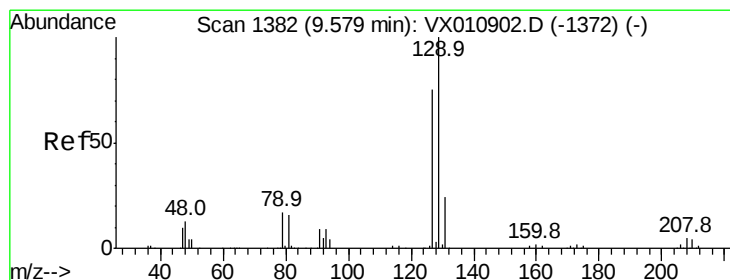
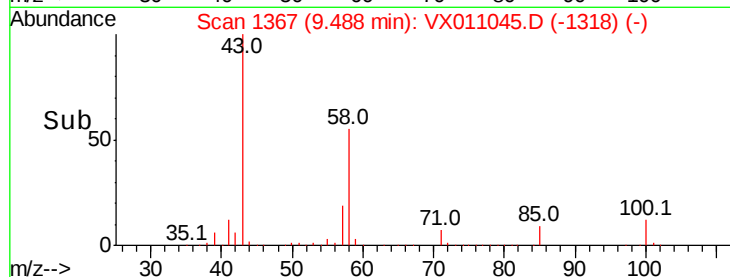
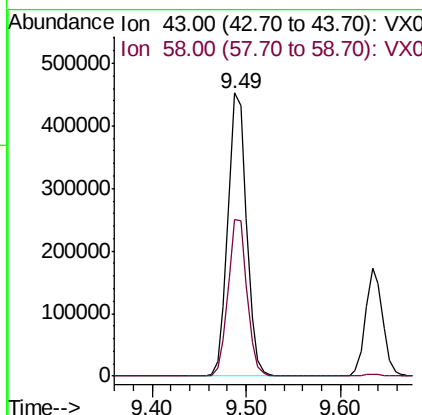
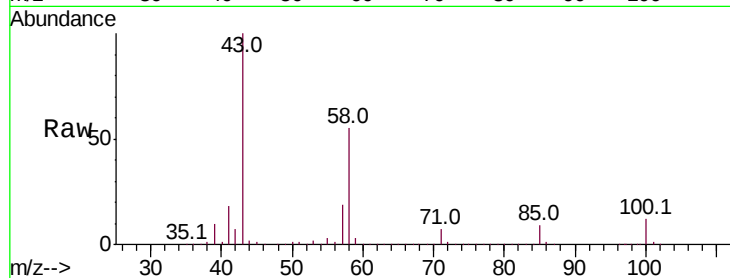
#59
2-Hexanone
Concen: 261.130 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion: 43 Resp: 624610
Ion Ratio Lower Upper
43 100
58 56.0 28.0 83.9

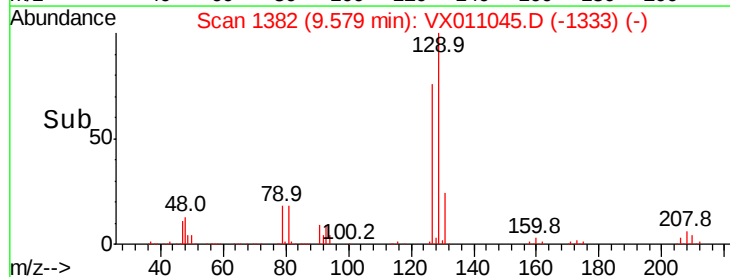
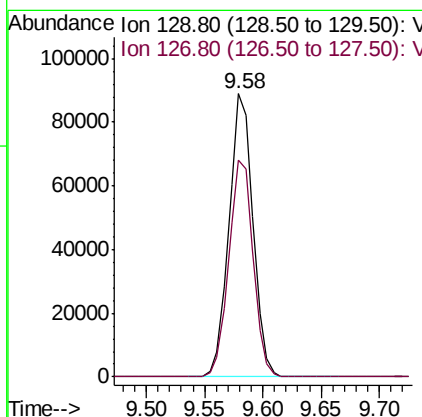
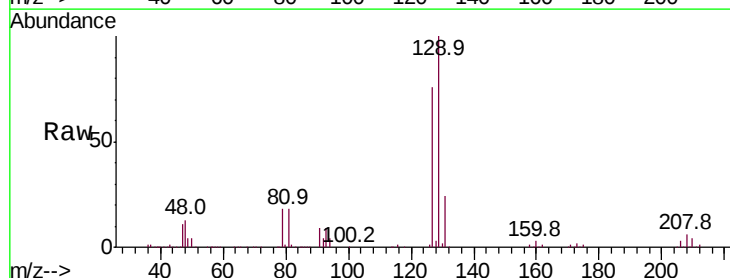
Manual Integrations
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7/23/2019 11:12:27 AM



#60
Dibromochloromethane
Concen: 47.340 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 129 Resp: 127168
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.408 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 125242

Ion Ratio Lower Upper

107 100

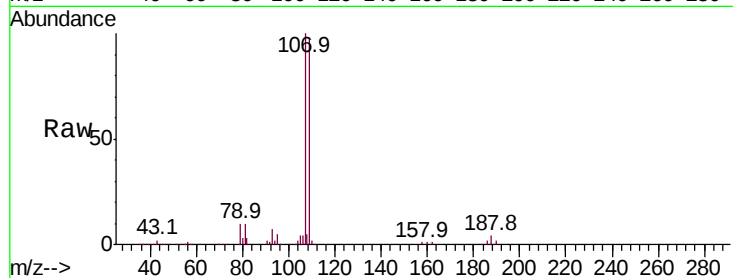
109 94.7 75.4 113.0

Manual Integrations

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7/23/2019 11:12:27 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

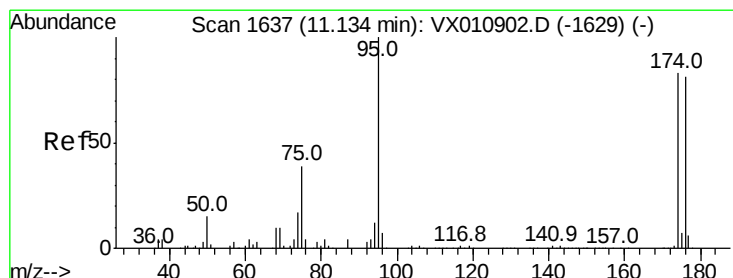
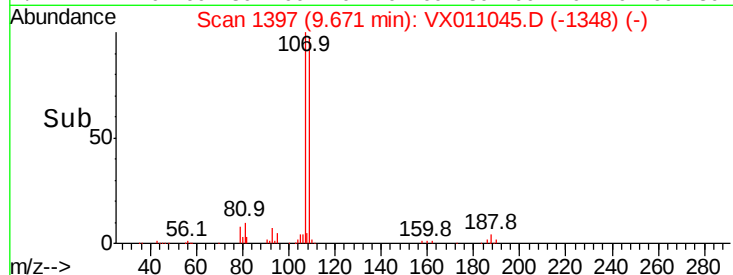
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

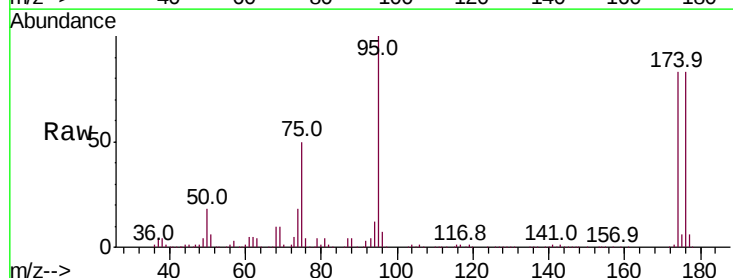
Tgt Ion: 95 Resp: 146332

Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.6

176 88.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

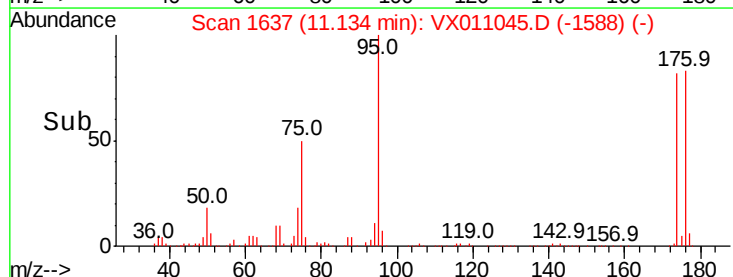
150000

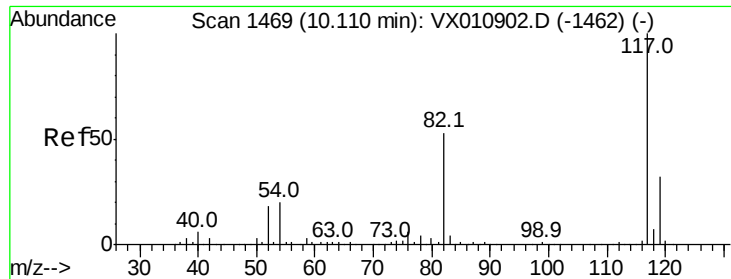
100000

50000

0

Time-->





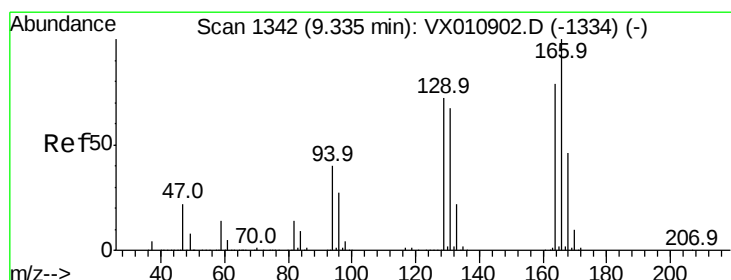
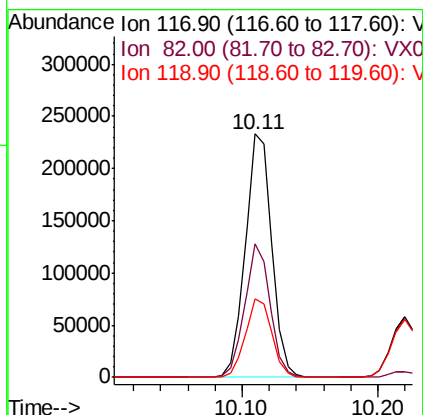
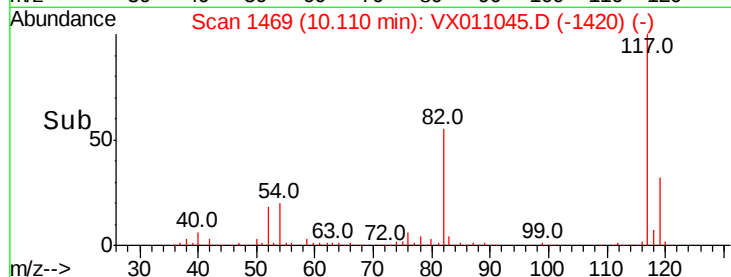
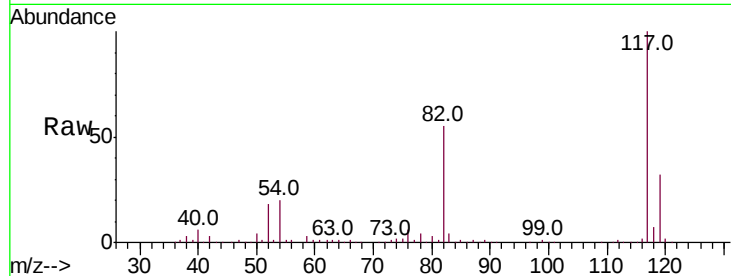
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.6	63.8
119	32.3	25.9	38.9

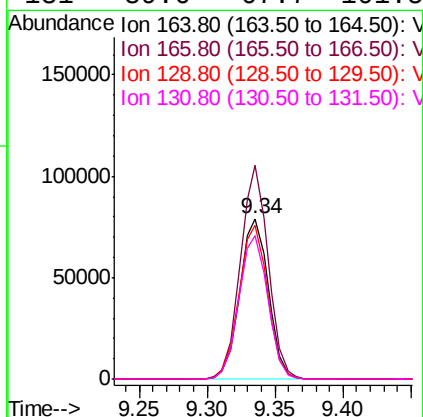
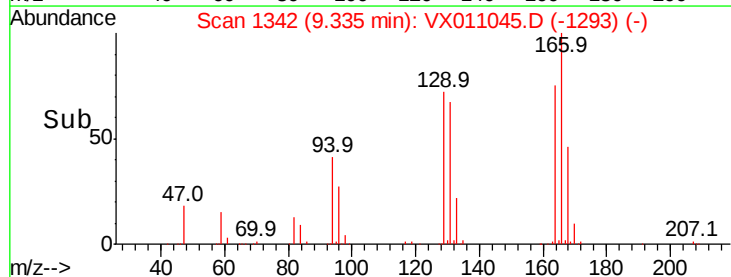
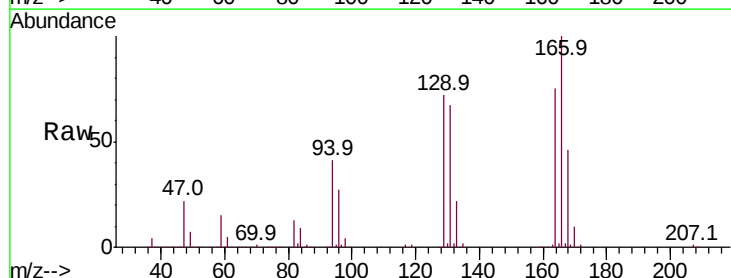
Manual Integrations
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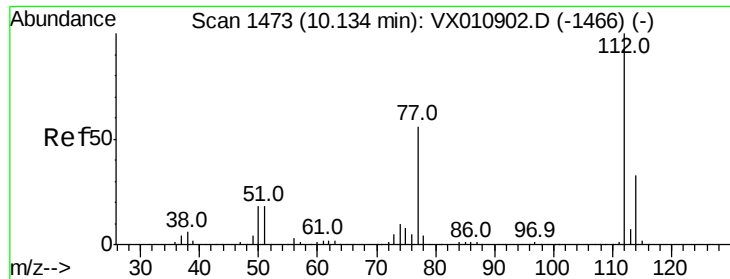
MMDadoda
7/23/2019 11:12:27 AM



#64
Tetrachloroethene
Concen: 46.619 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.8	151.2
129	95.7	72.6	109.0
131	89.6	67.7	101.5





#65

Chlorobenzene

Concen: 48.363 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 314397

Ion Ratio Lower Upper

112 100

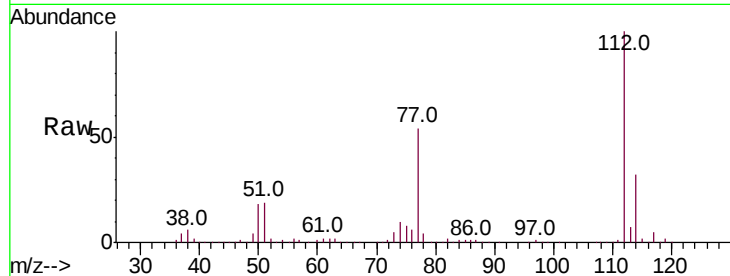
114 31.7 26.2 39.4

Manual Integrations

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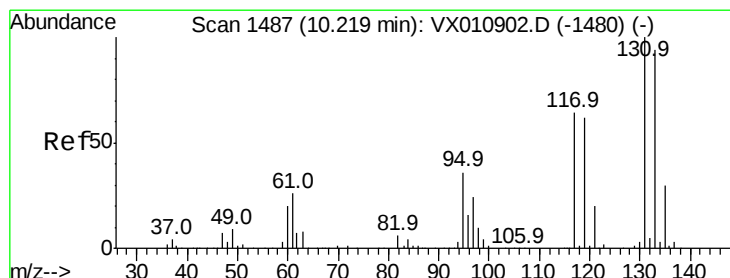
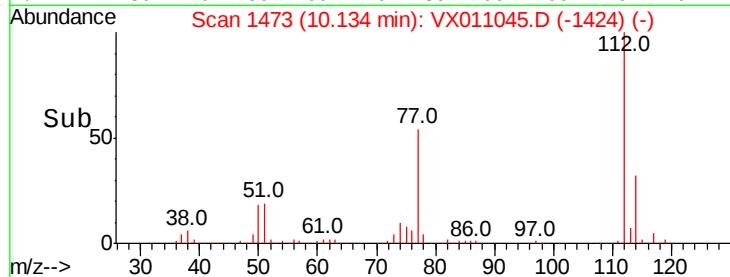
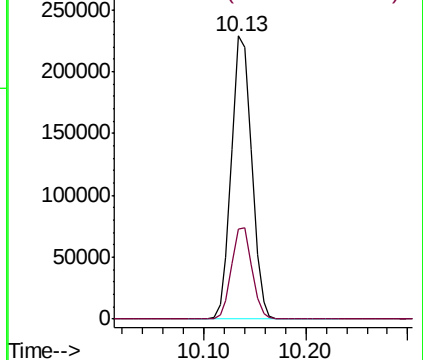
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.906 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

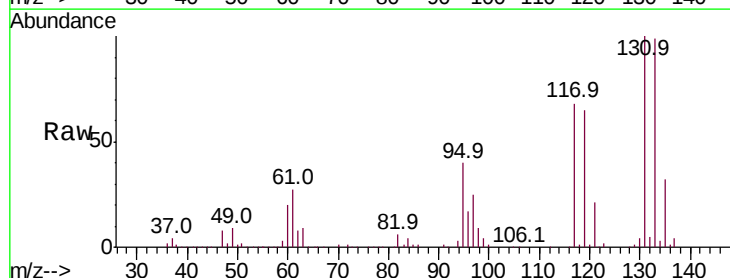
Tgt Ion:131 Resp: 116306

Ion Ratio Lower Upper

131 100

133 98.6 47.1 141.4

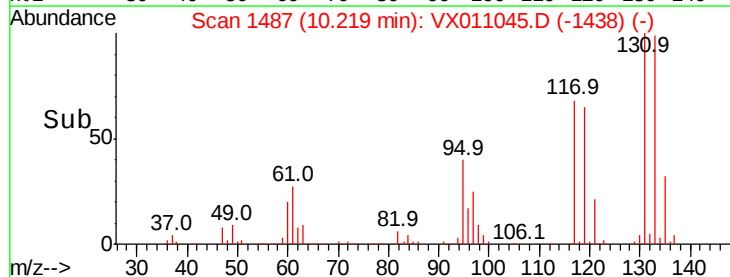
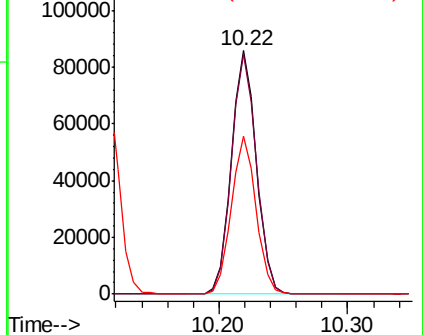
119 64.3 31.9 95.7

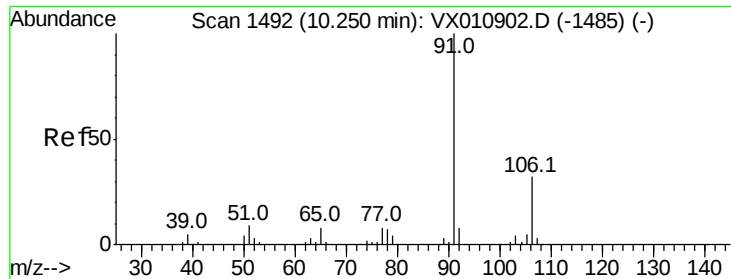


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





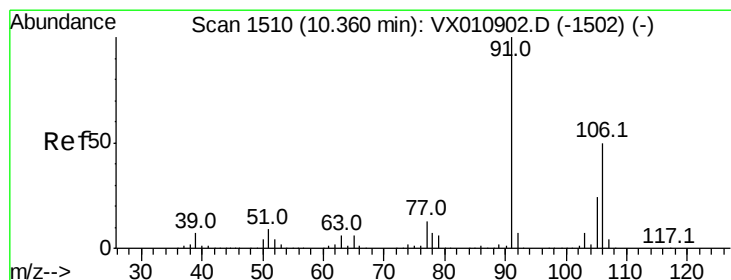
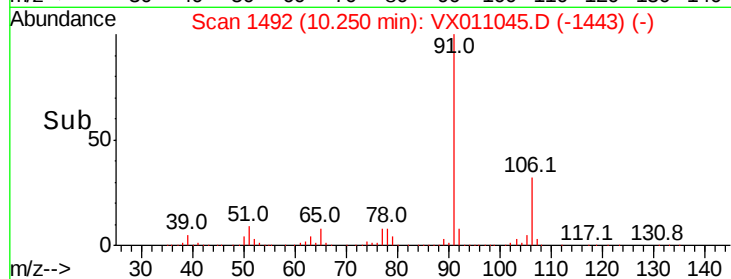
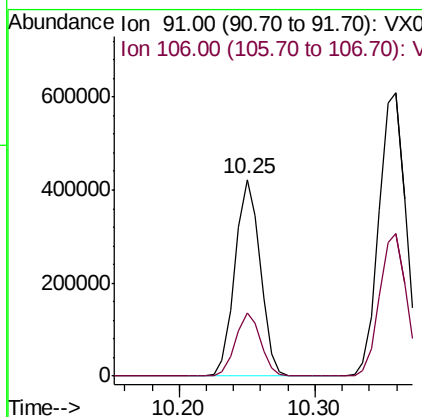
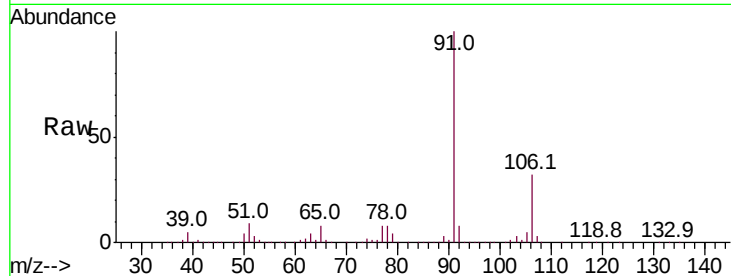
#67
Ethyl Benzene
Concen: 49.466 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 547349
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2

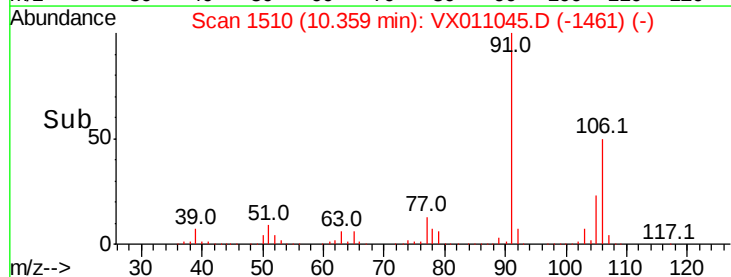
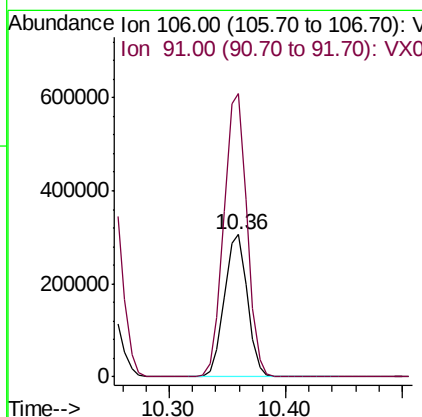
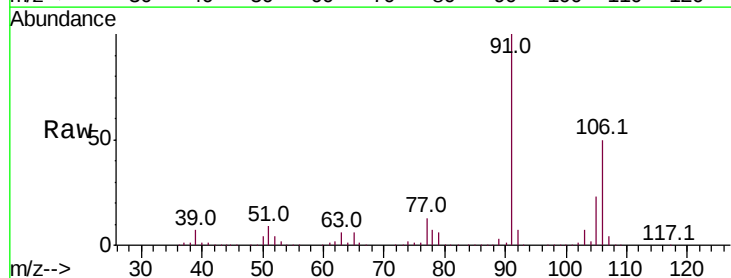
Manual Integrations
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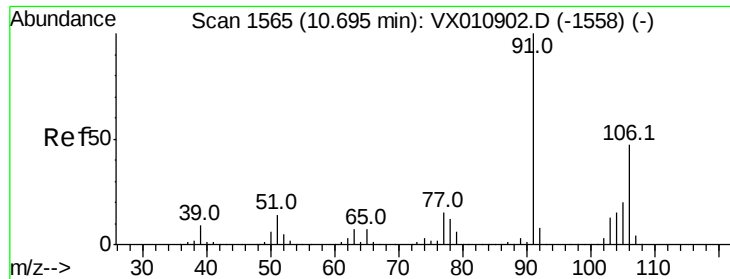
MMDadoda
7/23/2019 11:12:27 AM



#68
m/p-Xylenes
Concen: 98.523 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion: 106 Resp: 418181
Ion Ratio Lower Upper
106 100
91 199.9 160.1 240.1





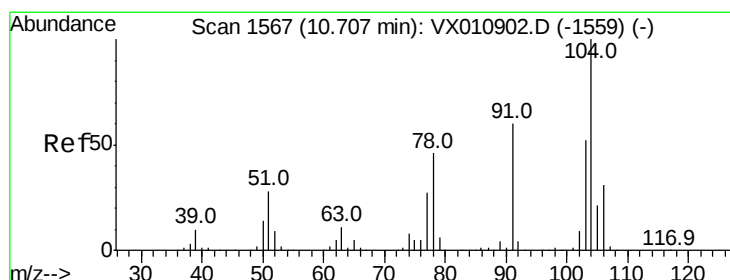
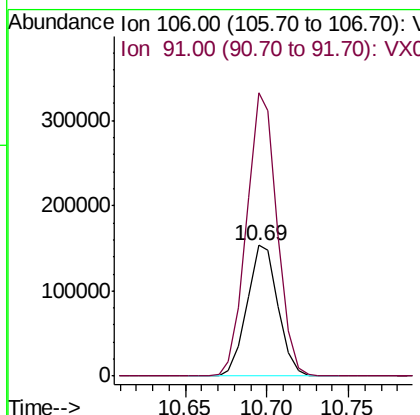
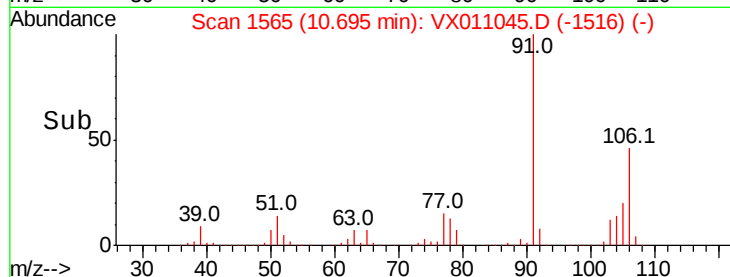
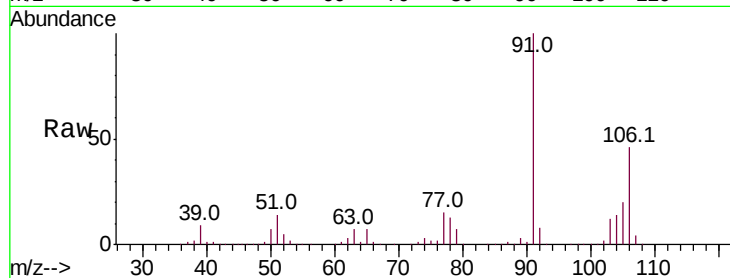
#69
o-Xylene
Concen: 49.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	105.1	315.3

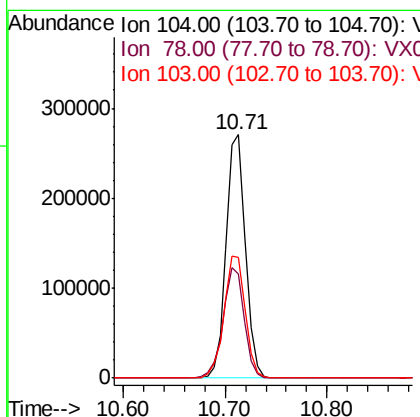
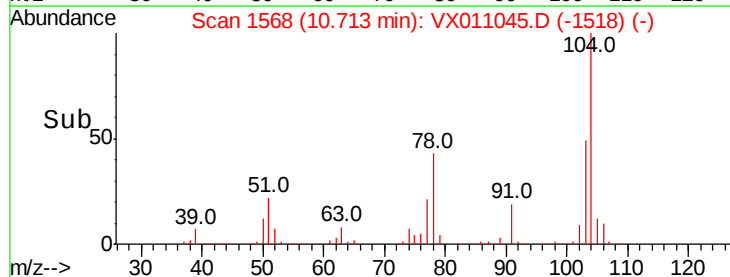
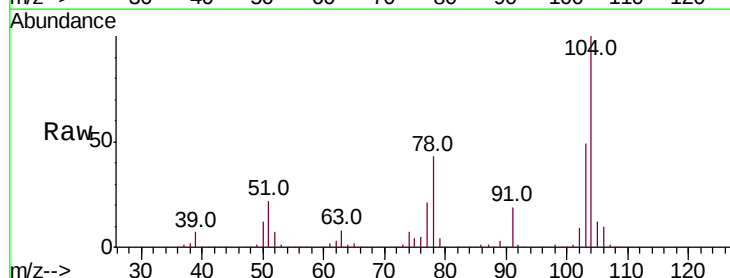
Manual Integrations
APPROVED

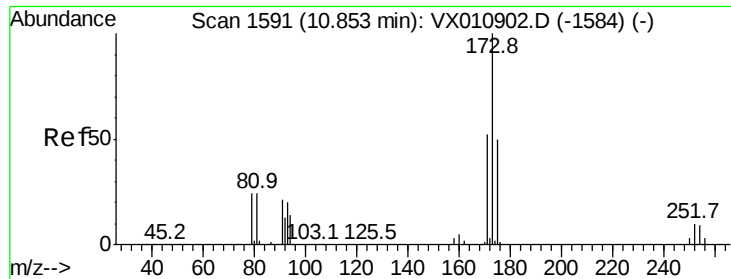
MMDadoda
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#70
Styrene
Concen: 51.200 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.8	58.2
103	55.5	44.2	66.4





#71

Bromoform

Concen: 47.878 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 99362

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

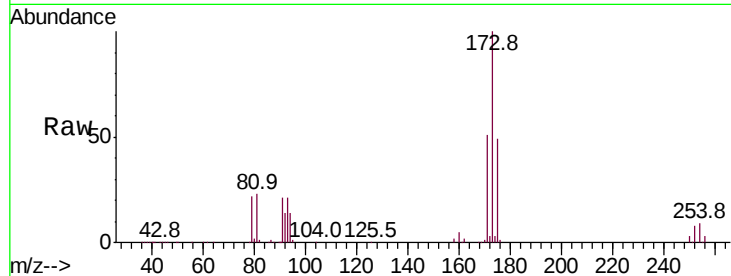
254 0.1 0.1 0.1#

Manual Integrations

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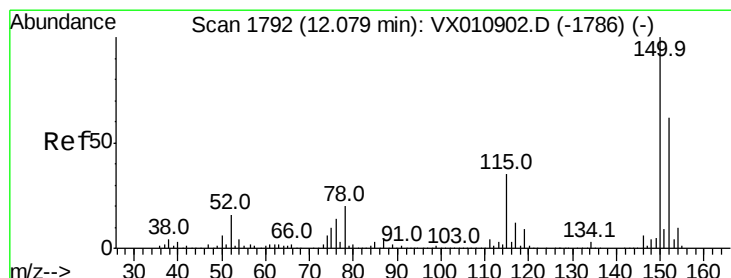
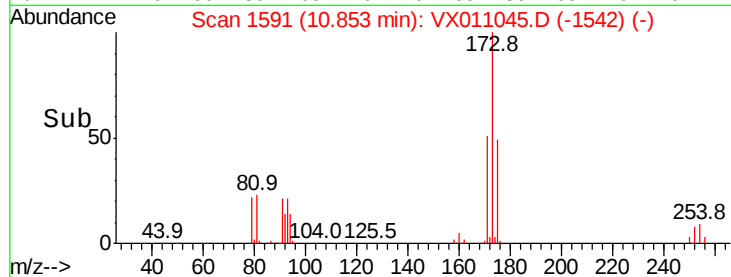
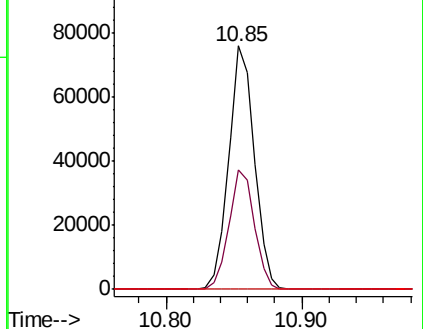
7/23/2019 11:12:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

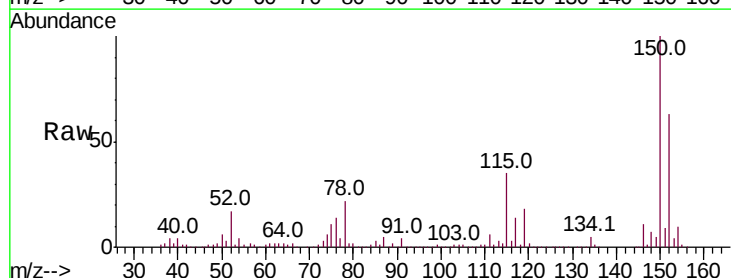
Tgt Ion:152 Resp: 168864

Ion Ratio Lower Upper

152 100

115 80.8 39.7 119.1

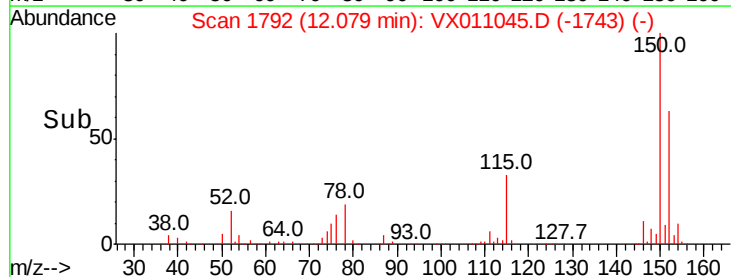
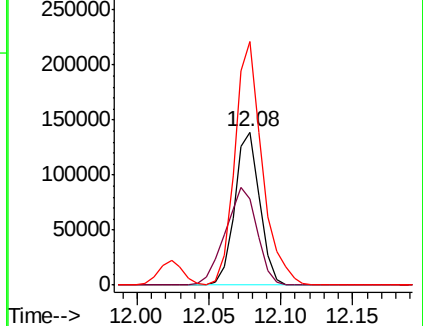
150 173.4 0.0 345.6

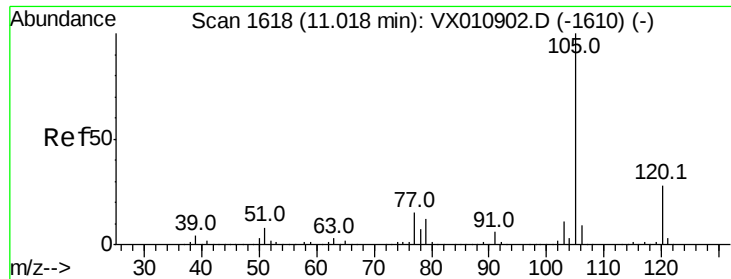


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.878 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 557703

Ion Ratio Lower Upper

105 100

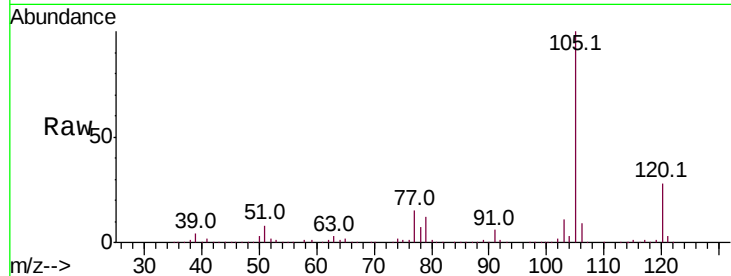
120 27.1 13.7 41.1

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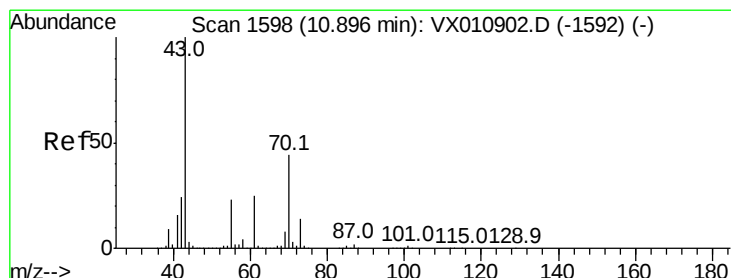
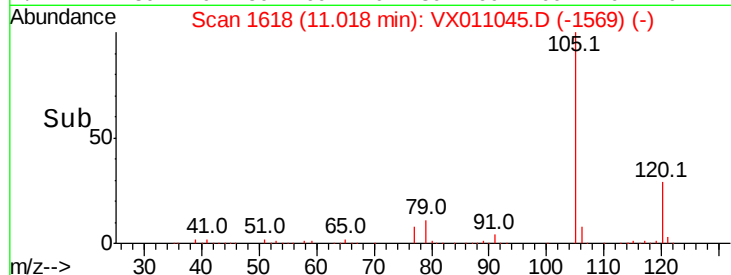
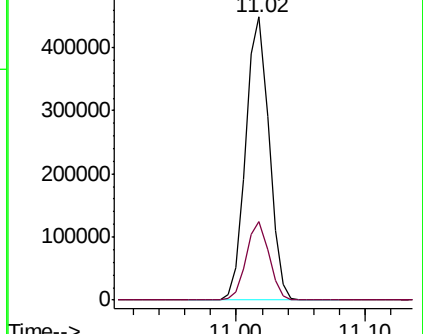
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.584 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion: 43 Resp: 220530

Ion Ratio Lower Upper

43 100

70 43.7 34.7 52.1

55 24.3 19.1 28.7

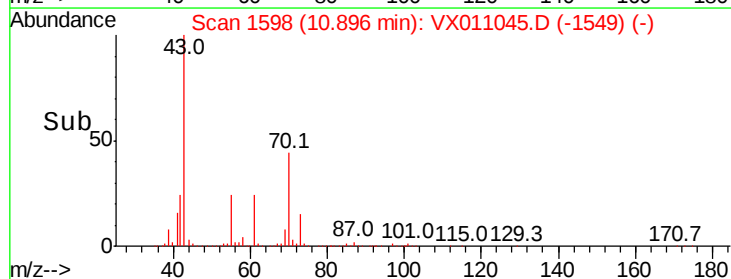
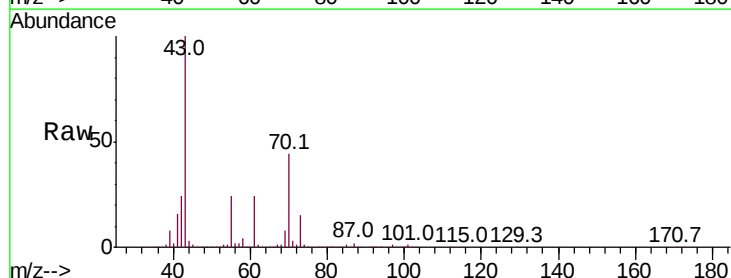
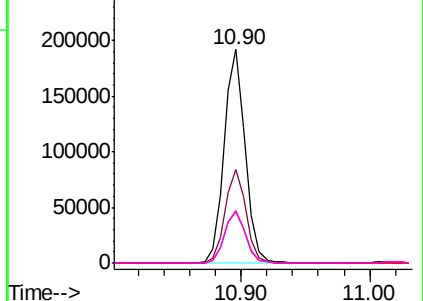
61 24.8 19.9 29.9

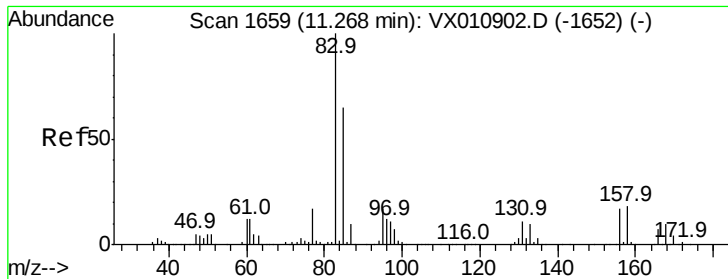
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.651 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

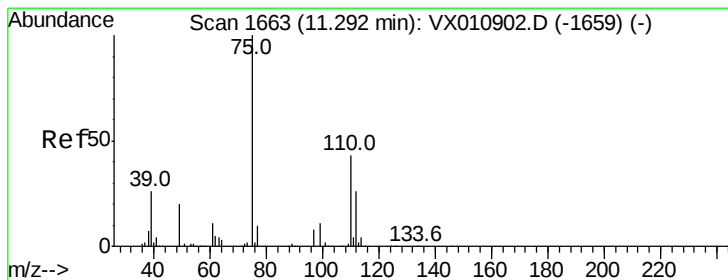
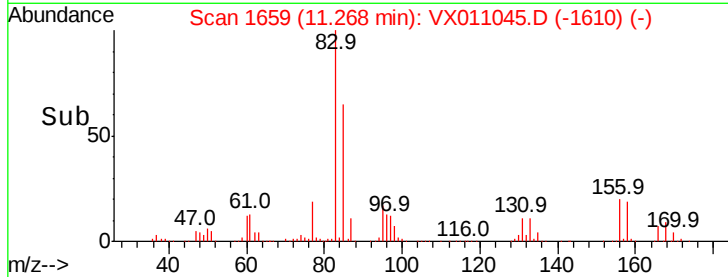
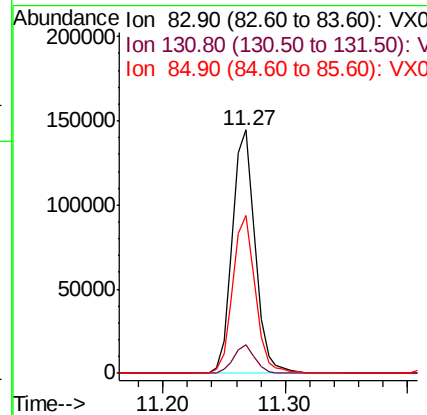
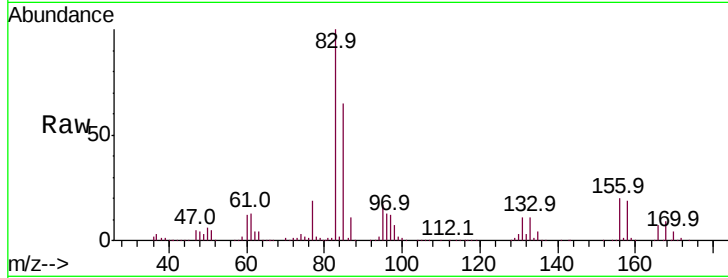
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	185399
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.489 ug/l m

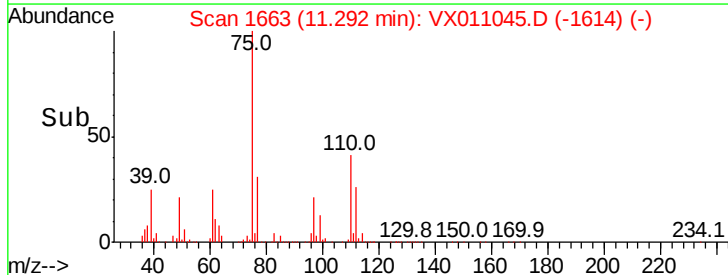
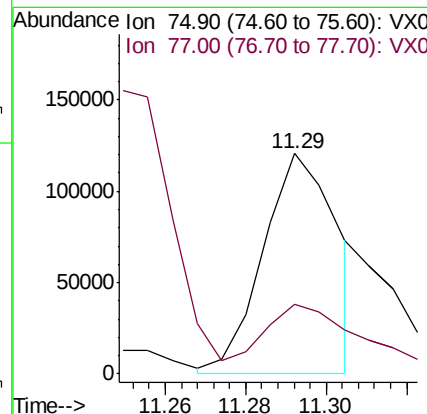
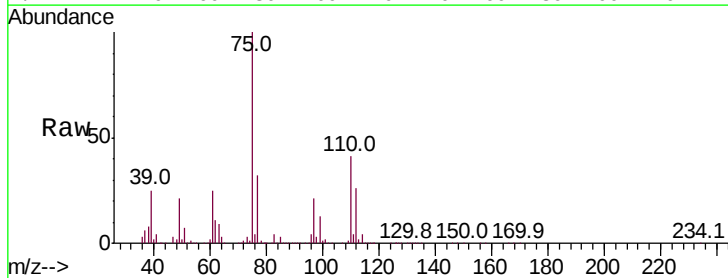
RT: 11.29 min Scan# 1663

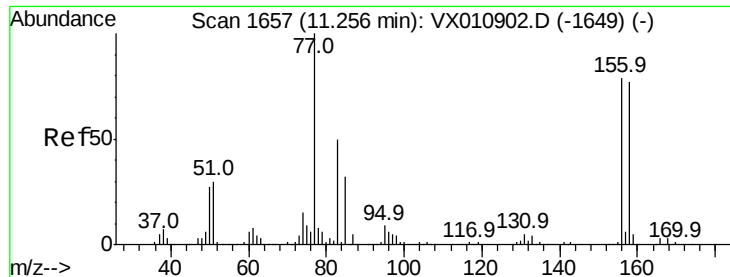
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	75	Resp:	153853
Ion	Ratio	Lower	Upper
75	100		
77	42.6	21.3	64.0





#77

Bromobenzene

Concen: 48.308 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

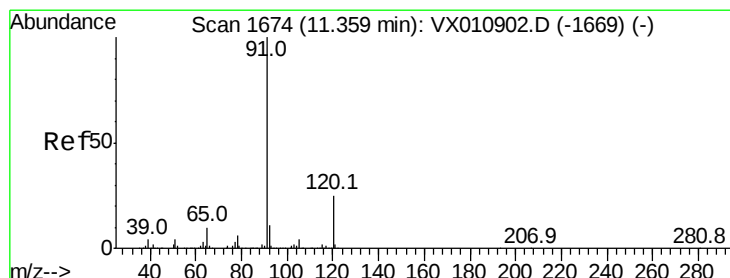
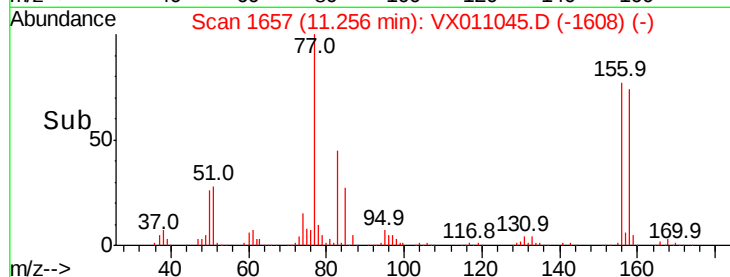
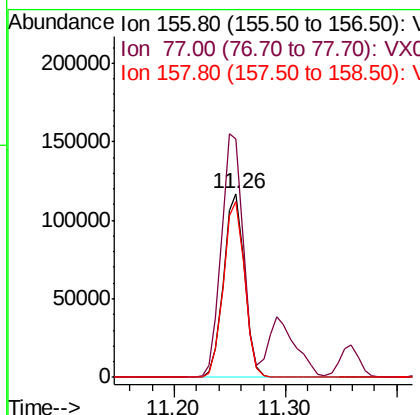
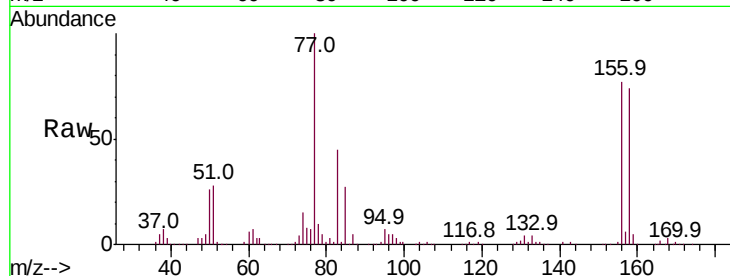
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	152040
Ion Ratio	Lower	Upper	
156	100		
77	137.8	68.7	206.1
158	96.7	47.9	143.7

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#78

n-propylbenzene

Concen: 49.650 ug/l

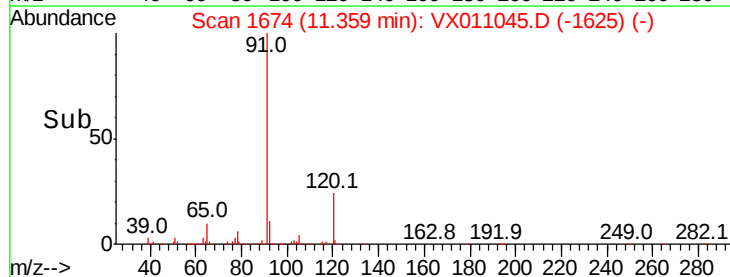
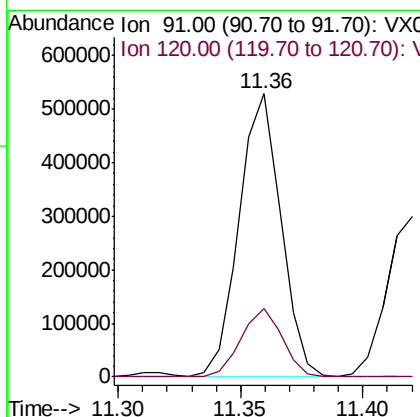
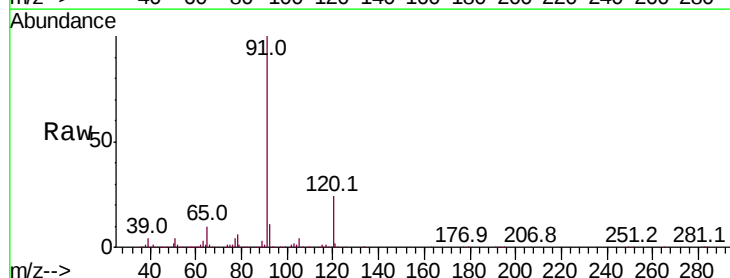
RT: 11.36 min Scan# 1674

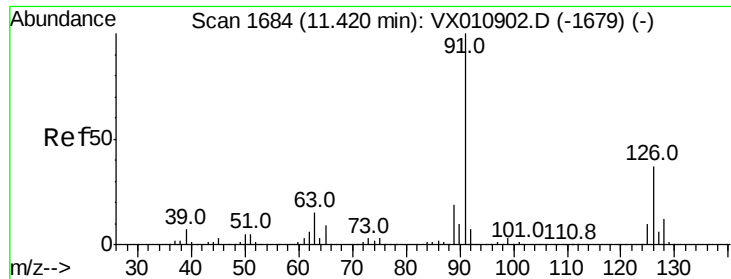
Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	91	Resp:	625950
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.3	36.8





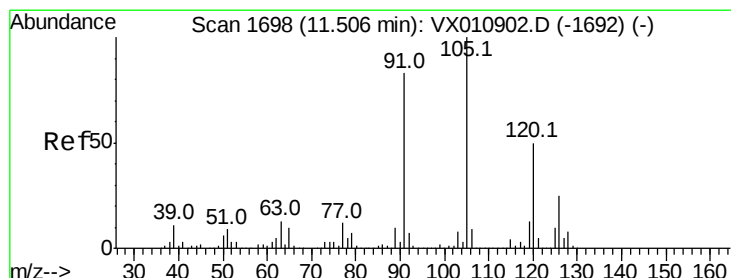
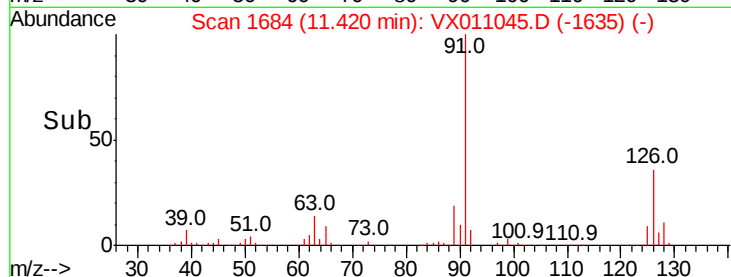
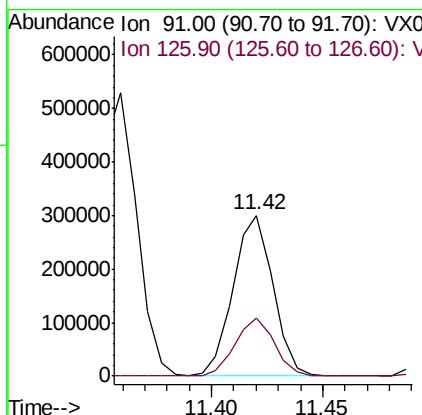
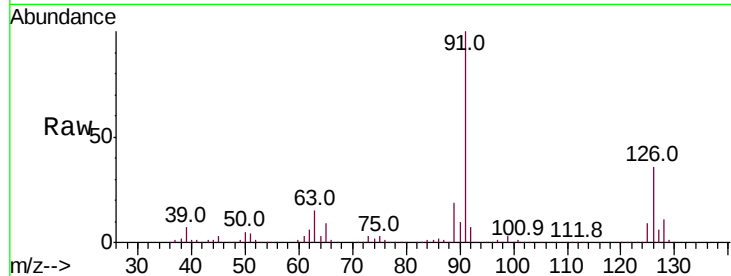
#79
 2-Chlorotoluene
 Concen: 49.293 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 373317
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.0 54.0

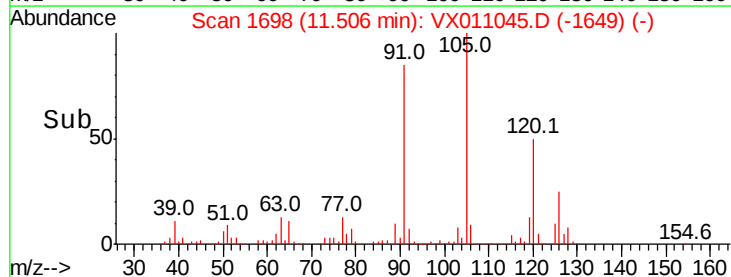
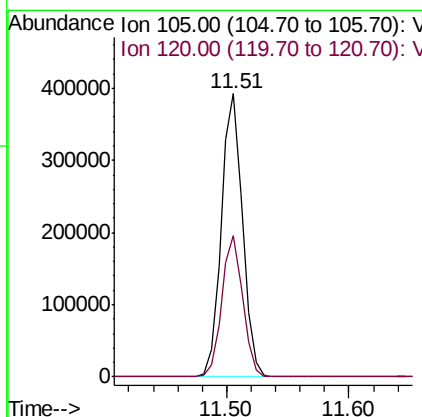
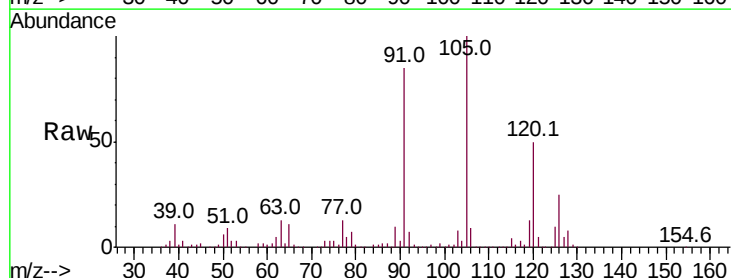
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.316 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion: 105 Resp: 470192
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8





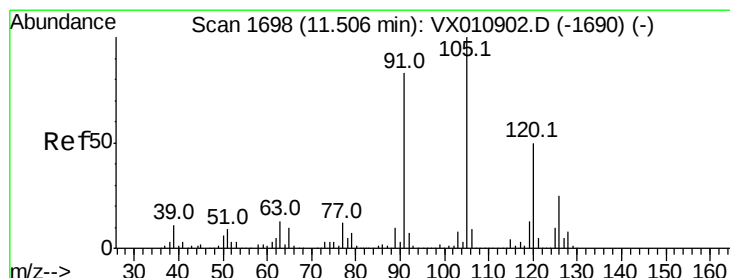
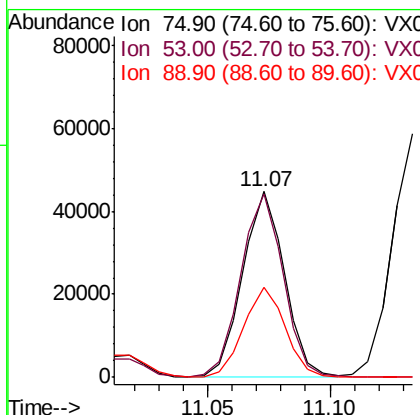
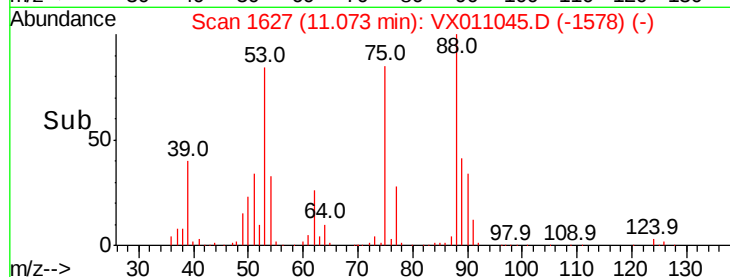
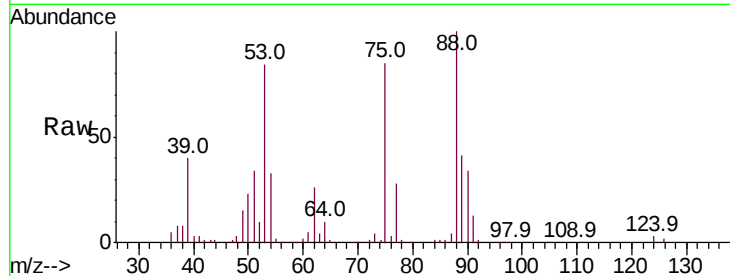
#81
trans-1,4-Dichloro-2-butene
Concen: 44.645 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	76.7	115.1
89	48.5	38.5	57.7

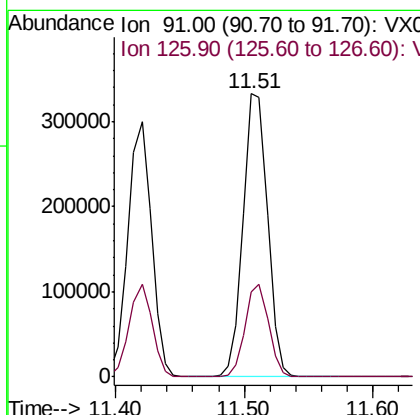
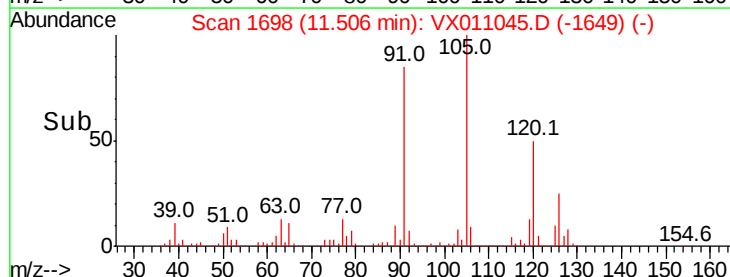
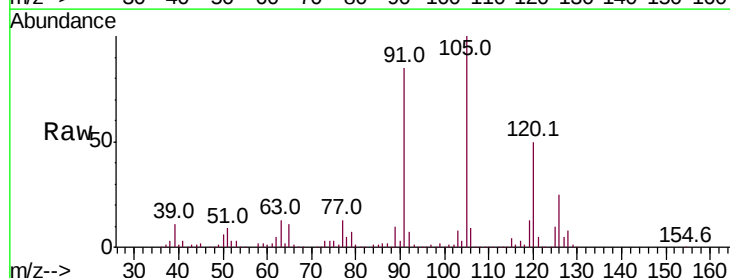
Manual Integrations
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#82
4-Chlorotoluene
Concen: 49.499 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





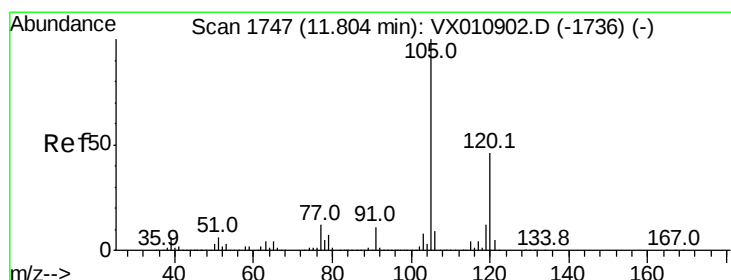
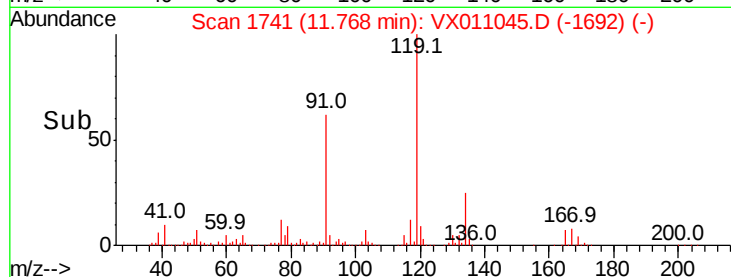
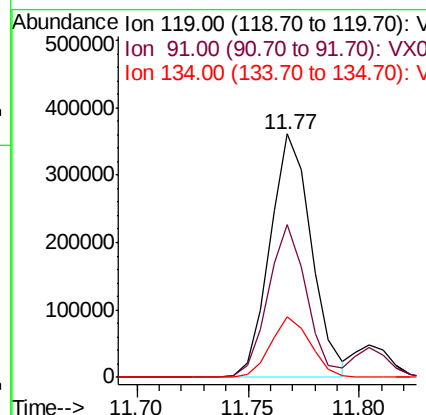
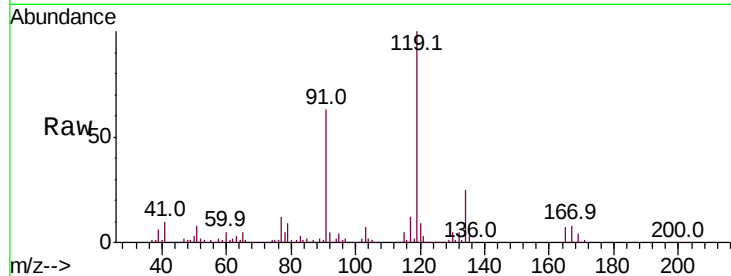
#83
tert-Butylbenzene
Concen: 49.815 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	28.6	85.8
134	23.9	11.6	34.8

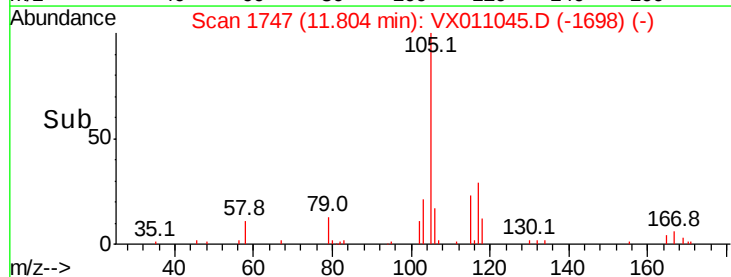
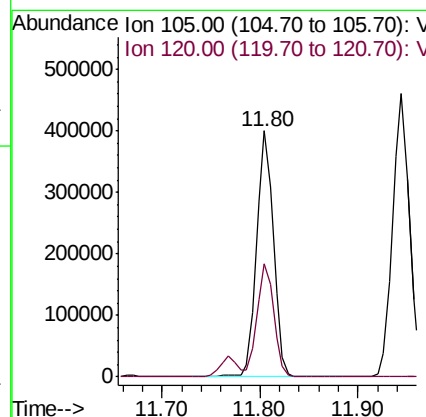
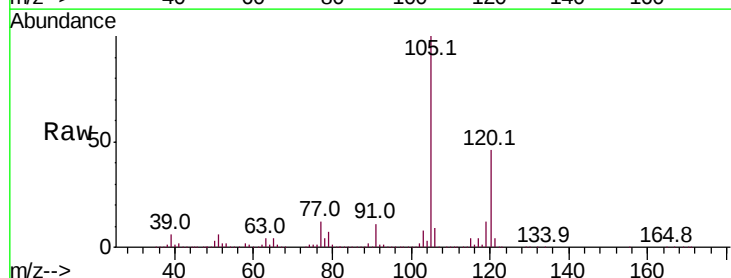
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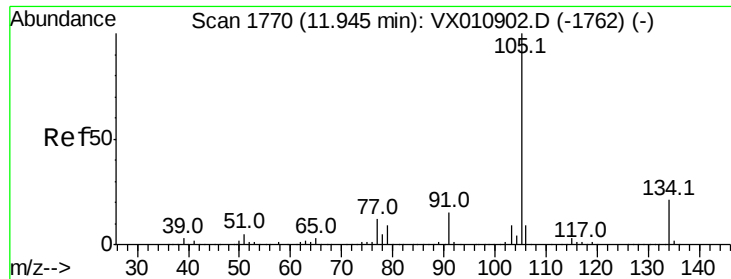
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#84
1,2,4-Trimethylbenzene
Concen: 49.733 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.5





#85

sec-Butylbenzene

Concen: 49.943 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 548043

Ion Ratio Lower Upper

105 100

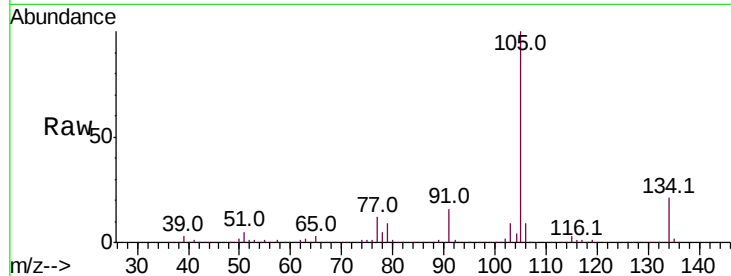
134 20.8 10.4 31.4

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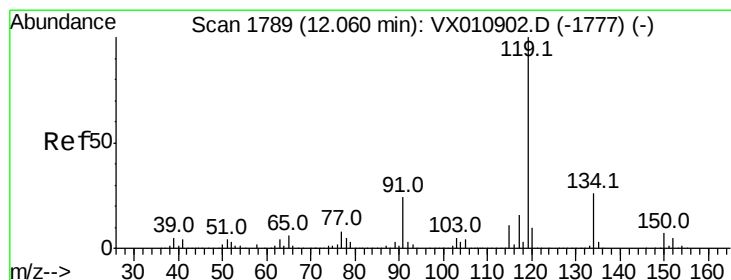
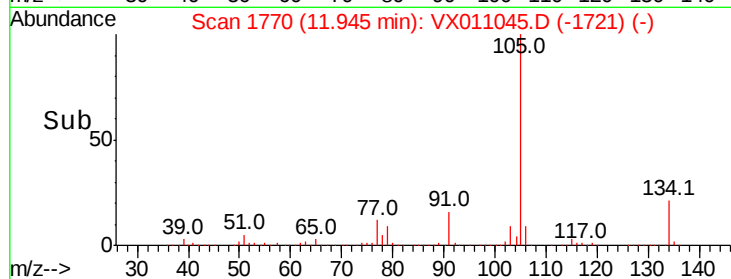
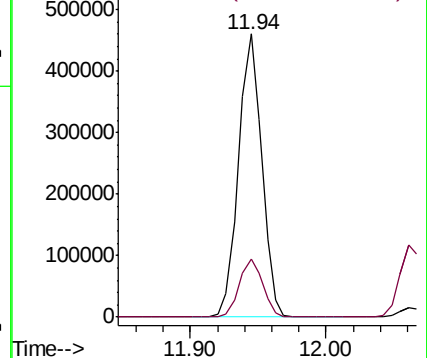
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.441 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

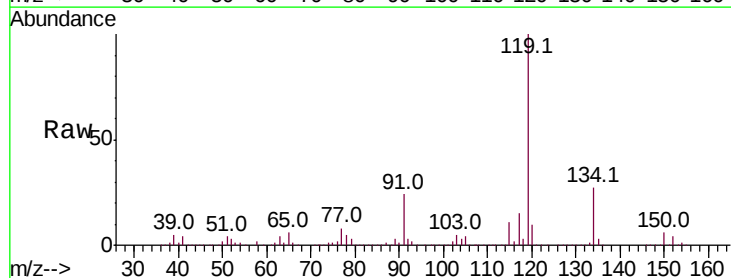
Tgt Ion:119 Resp: 511719

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

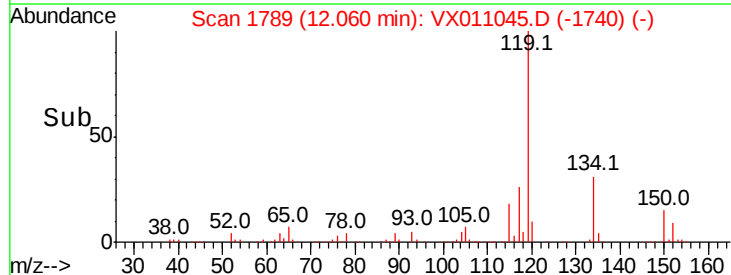
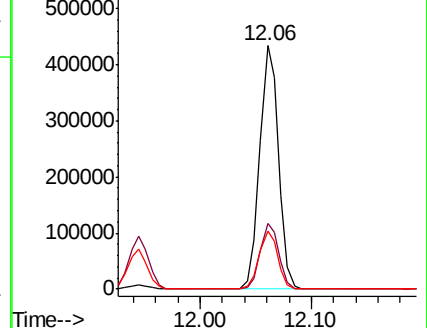
91 23.7 11.8 35.4

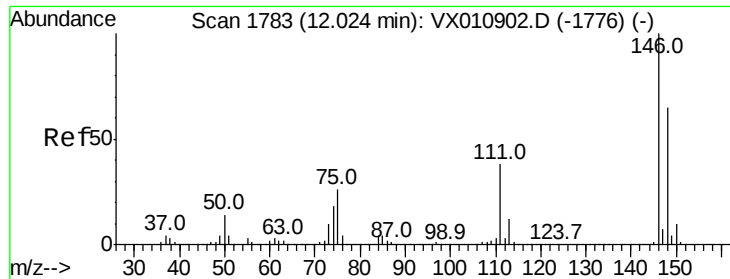


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





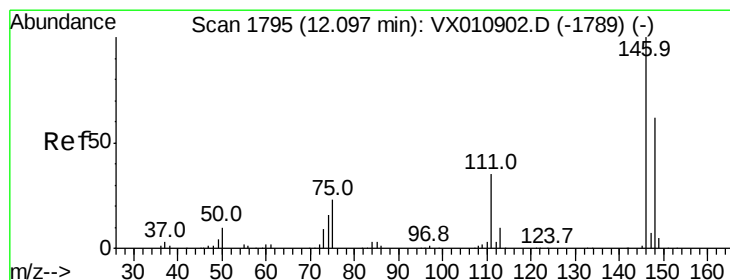
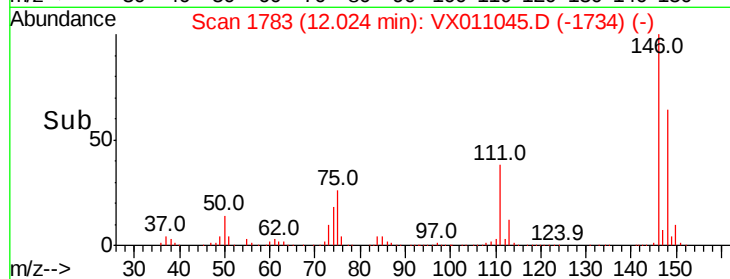
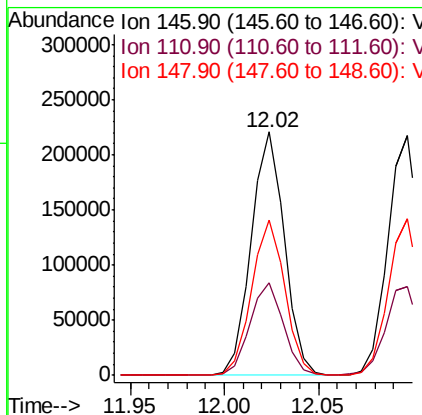
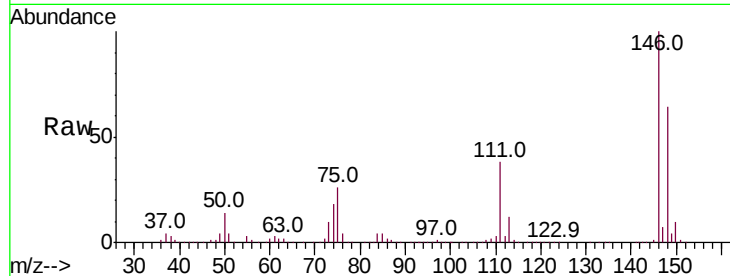
#87
 1,3-Dichlorobenzene
 Concen: 49.389 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	32.2	96.6

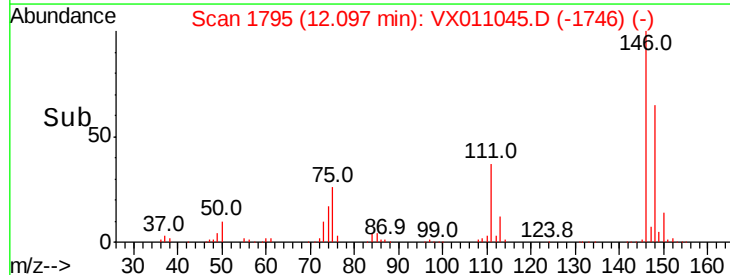
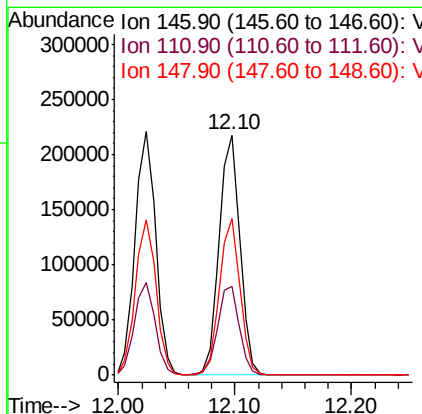
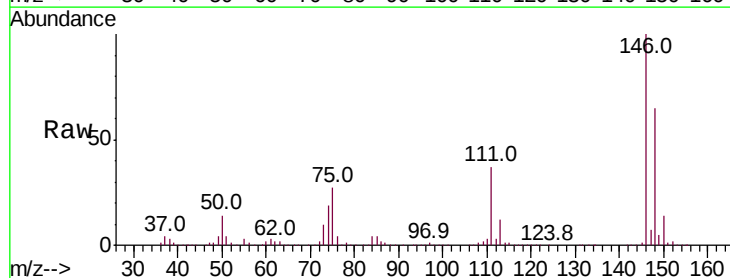
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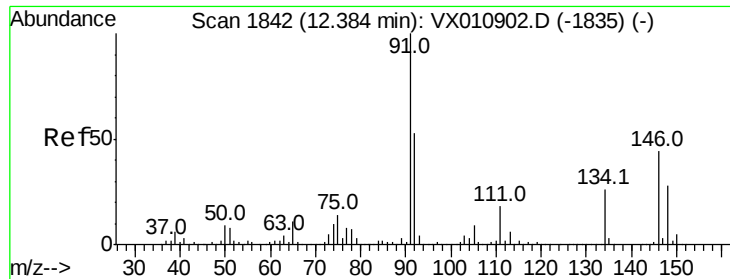
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#88
 1,4-Dichlorobenzene
 Concen: 47.734 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.4	31.6	94.7





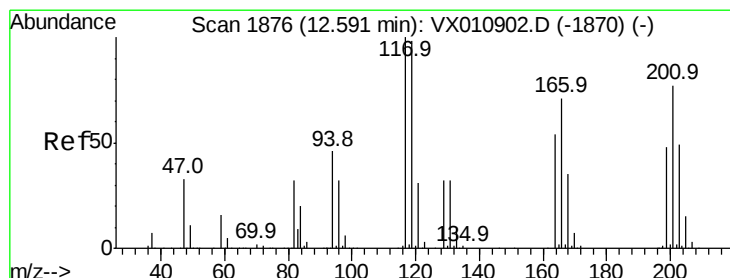
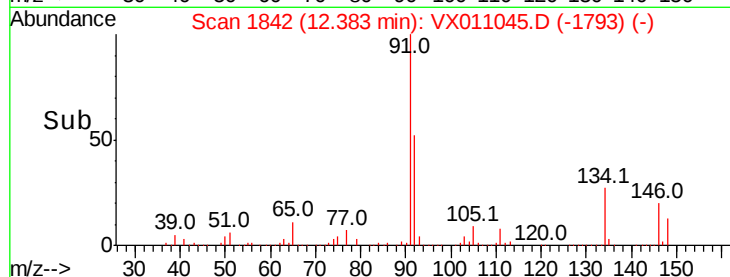
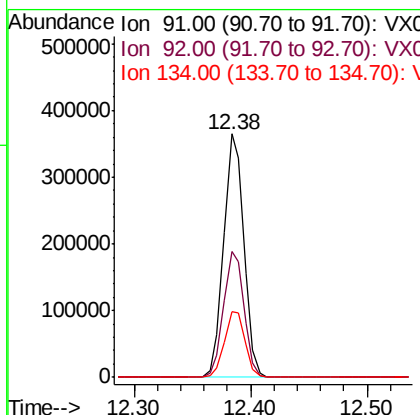
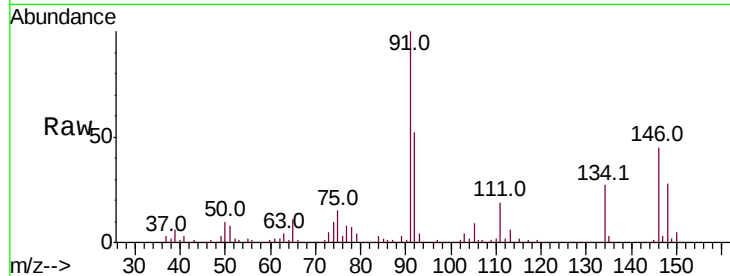
#89
n-Butylbenzene
Concen: 50.297 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.5	13.8	41.3

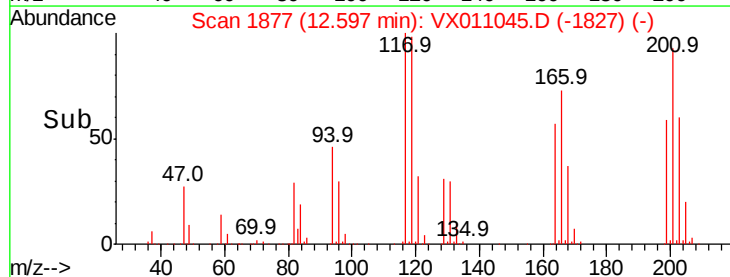
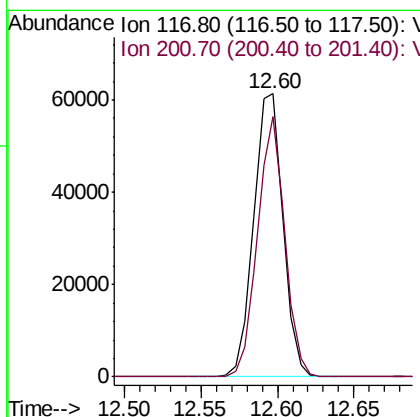
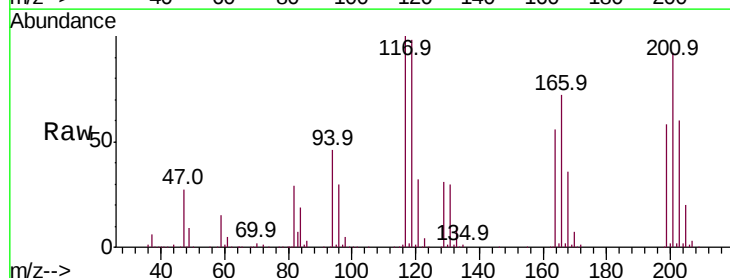
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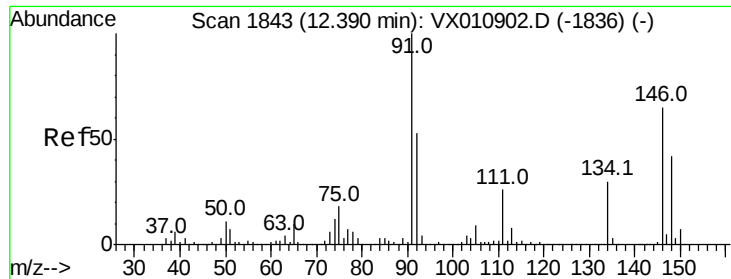
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#90
Hexachloroethane
Concen: 51.201 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011045.D
Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	43.3	129.8





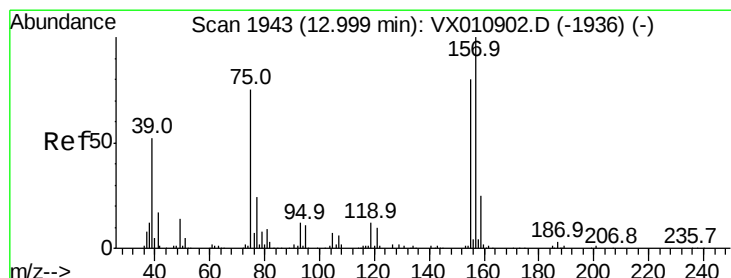
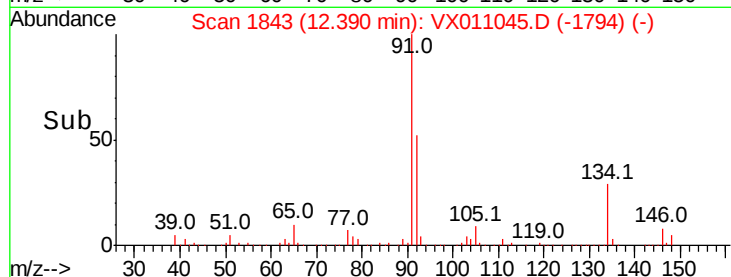
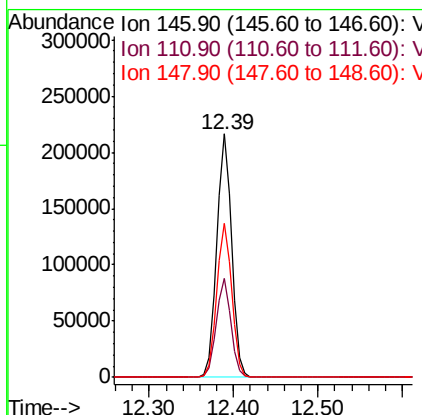
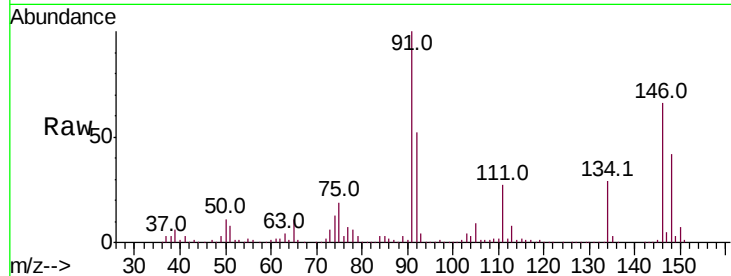
#91
 1,2-Dichlorobenzene
 Concen: 49.143 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	266020		
111	39.8	19.9	59.7	
148	63.7	32.0	96.2	

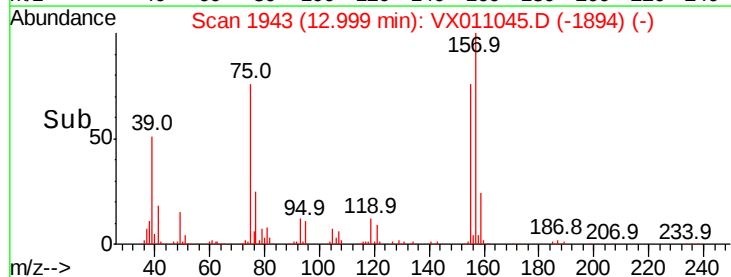
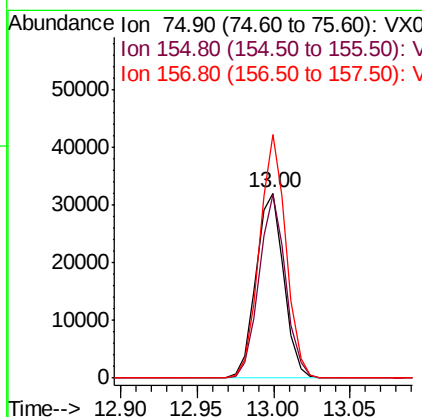
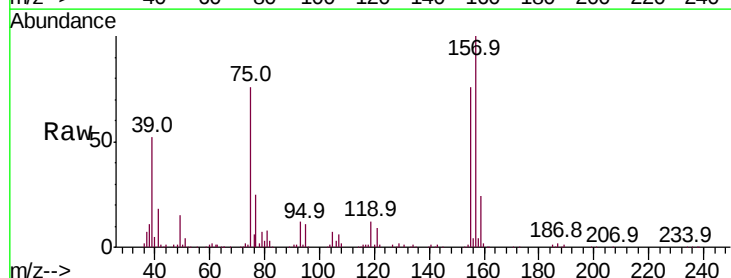
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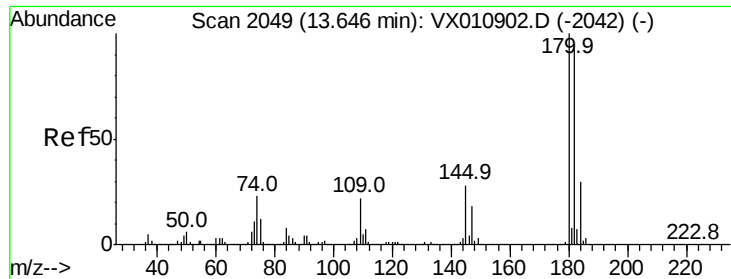
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.961 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40557		
155	95.3	48.7	146.1	
157	125.4	62.5	187.6	





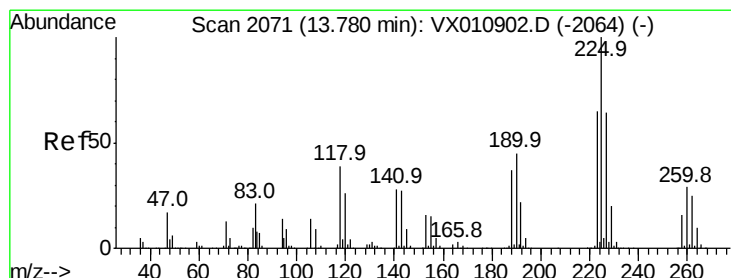
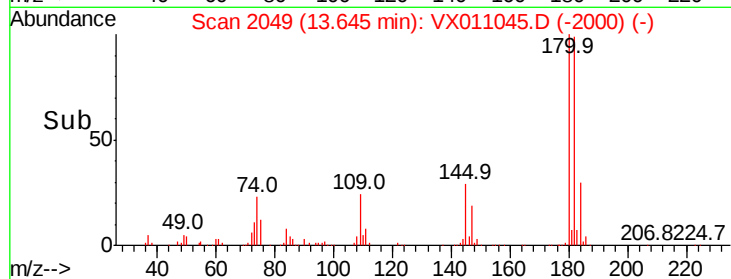
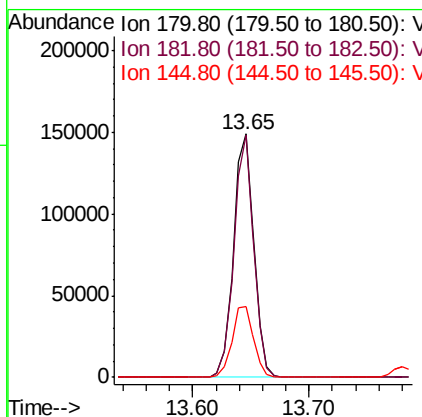
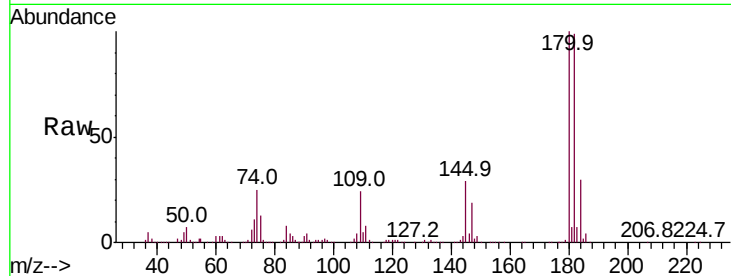
#93
 1,2,4-Trichlorobenzene
 Concen: 49.337 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180995		
182	96.2	47.1	141.3	
145	30.8	14.8	44.4	

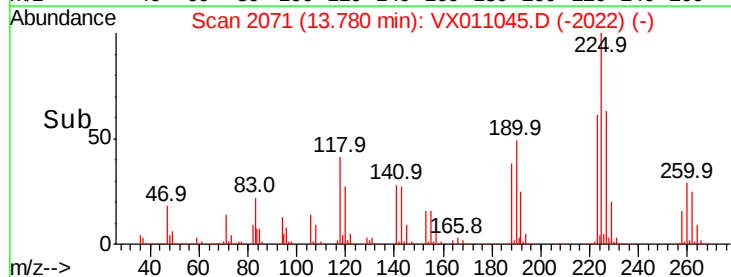
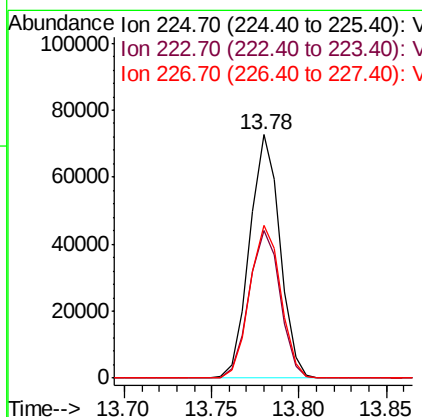
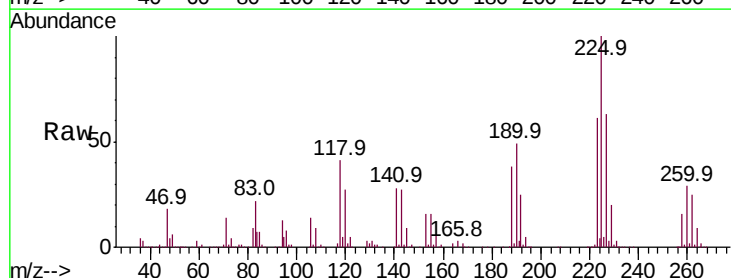
Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:27 AM



#94
 Hexachlorobutadiene
 Concen: 48.128 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011045.D
 Acq: 22 Jul 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87494		
223	62.3	31.9	95.9	
227	64.4	32.5	97.4	





#95

Naphthalene

Concen: 52.772 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Instrument :

MSVOA_X

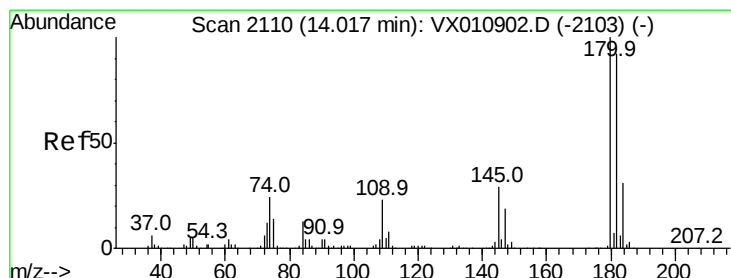
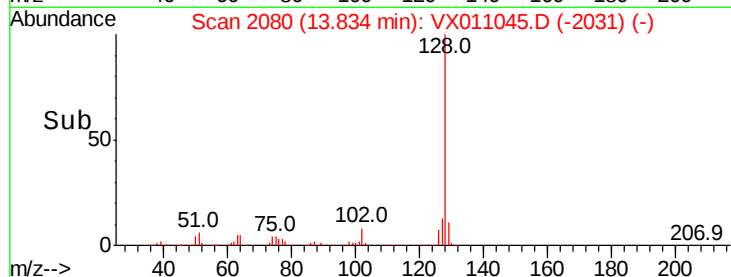
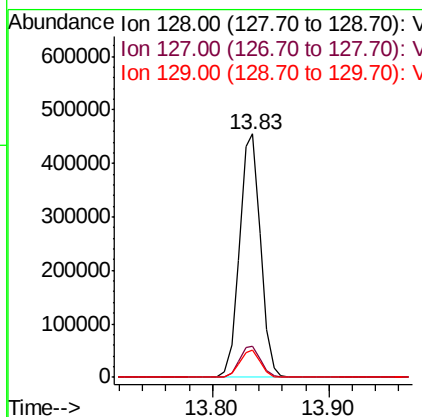
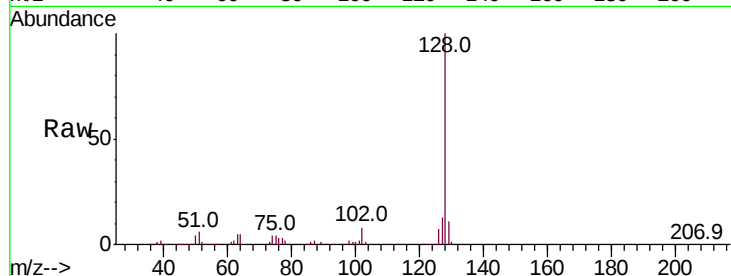
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	571677
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/23/2019 11:12:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.342 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011045.D

Acq: 22 Jul 2019 20:54

Tgt Ion:	180	Resp:	183757
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	31.6	15.1	45.3

