

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003829.D
 Acq On : 02 Aug 2018 17:33
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:39 AM

Quant Time: Aug 03 04:02:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	21678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	109959	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	104995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46474	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	11.14	95	50422	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.72	98	140718	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	28429	24.83	ug/l	99
3) Chloromethane	1.32	50	35475	23.02	ug/l	100
4) Vinyl Chloride	1.40	62	29211	18.02	ug/l	97
5) Bromomethane	1.64	94	15795	16.30	ug/l	97
6) Chloroethane	1.73	64	16252	15.32	ug/l	95
7) Trichlorofluoromethane	1.93	101	38363	17.60	ug/l	99
8) Diethyl Ether	2.19	74	17386	18.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	23306	17.63	ug/l	97
10) 1,1-Dichloroethene	2.37	96	21381	17.20	ug/l	94
11) Methyl Iodide	2.51	142	24801	14.40	ug/l	93
12) Methyl Acetate	2.78	43	38253	16.63	ug/l #	91
13) Acrolein	2.29	56	24116	134.46	ug/l	99
14) Acrylonitrile	3.15	53	82188	90.70	ug/l	99
15) Acetone	2.45	58	22233	90.42	ug/l	78
16) Carbon Disulfide	2.57	76	59277	17.17	ug/l	99
17) Allyl chloride	2.73	41	33823	13.15	ug/l	90
18) Methylene Chloride	2.86	84	24334	16.53	ug/l #	86
19) trans-1,2-Dichloroethene	3.16	96	23613	17.58	ug/l	98
20) Diisopropyl ether	3.87	45	84537	17.90	ug/l	97
21) 1,1-Dichloroethane	3.70	63	46109	17.24	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	26511	19.54	ug/l #	73
23) tert-Butyl Alcohol	3.07	59	35737	93.89	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	81959	18.39	ug/l	92
25) Chloroform	5.21	83	46020	19.87	ug/l	98
26) Cyclohexane	5.57	56	36968	18.40	ug/l #	99
29) 1,1-Dichloropropene	5.80	75	31086	19.14	ug/l	98
30) 2-Butanone	4.71	43	111552	107.58	ug/l #	93
31) 2,2-Dichloropropane	4.58	77	27749	17.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	36444	19.62	ug/l	98
33) Carbon Tetrachloride	5.78	117	31576	19.56	ug/l	96
34) Benzene	6.14	78	101249	20.30	ug/l	98
35) Methacrylonitrile	5.07	41	22752	21.11	ug/l	93
36) 1,2-Dichloroethane	6.20	62	37372	20.84	ug/l	97
37) Trichloroethene	7.21	130	26009	20.00	ug/l	89
38) Methylcyclohexane	7.46	83	34953	18.94	ug/l	99
39) 1,2-Dichloropropane	7.52	63	27470	20.84	ug/l	97
40) Dibromomethane	7.67	93	18150	21.27	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003829.D
 Acq On : 02 Aug 2018 17:33
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:39 AM

Quant Time: Aug 03 04:02:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	33106	20.31	ug/l	100
42) Vinyl Acetate	3.82	43	350958	88.08	ug/l	99
43) Ethyl Acetate	4.86	43	40456	20.89	ug/l	97
44) Isopropyl Acetate	6.46	43	61490	20.70	ug/l	95
45) 1,4-Dioxane	7.76	88	13093	396.84	ug/l #	87
46) Methyl methacrylate	7.78	41	32058	20.92	ug/l	88
47) n-amyl Acetate	10.90	43	52444	18.70	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	39732	20.09	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	36328	19.58	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	28156	20.79	ug/l	96
51) Ethyl methacrylate	9.18	69	38828	19.04	ug/l	85
52) 1,3-Dichloropropane	9.37	76	45684	20.27	ug/l	99
53) Dibromochloromethane	9.59	129	26759	20.11	ug/l	99
54) 1,2-Dibromoethane	9.68	107	28896	20.40	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	103246	98.16	ug/l	99
56) Bromoform	10.86	173	20873	20.22	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	211247	106.55	ug/l	94
59) 2-Hexanone	9.50	43	162257	102.79	ug/l	94
61) Tetrachloroethene	9.34	164	24806	20.30	ug/l	98
62) Toluene	8.79	91	109353	20.07	ug/l	99
64) Chlorobenzene	10.14	112	71349	20.26	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	25742	20.66	ug/l	98
66) Ethyl Benzene	10.26	91	114808	19.14	ug/l	100
67) m/p-Xylenes	10.36	106	89971	38.95	ug/l	99
68) o-Xylene	10.70	106	43442	19.66	ug/l	97
69) Styrene	10.71	104	73336	19.60	ug/l	97
70) Isopropylbenzene	11.02	105	116319	19.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	43853	20.19	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	38813m	21.48	ug/l	
73) Bromobenzene	11.26	156	32635	19.90	ug/l	98
74) n-propylbenzene	11.36	91	135432	18.90	ug/l	100
75) 2-Chlorotoluene	11.42	91	81530	19.30	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	98616	19.10	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	11735	19.06	ug/l	97
78) 4-Chlorotoluene	11.51	91	94138	19.05	ug/l	98
79) tert-butylbenzene	12.07	119	102671	19.33	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	101672	19.24	ug/l	99
81) sec-Butylbenzene	11.95	105	114307	19.01	ug/l	100
82) p-Isopropyltoluene	12.07	119	102671	19.33	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	59073	19.73	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	60184	19.96	ug/l	100
85) n-Butylbenzene	12.39	91	87786	18.62	ug/l	99
86) Hexachloroethane	12.60	117	15718	18.36	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	60657	20.18	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	9145	19.95	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	42652	20.21	ug/l	99
90) Hexachlorobutadiene	13.79	225	20045	20.95	ug/l	99
91) Naphthalene	13.83	128	132329	20.51	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	44083	20.51	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
Data File : VX003829.D
Acq On : 02 Aug 2018 17:33
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM

Quant Time: Aug 03 04:02:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

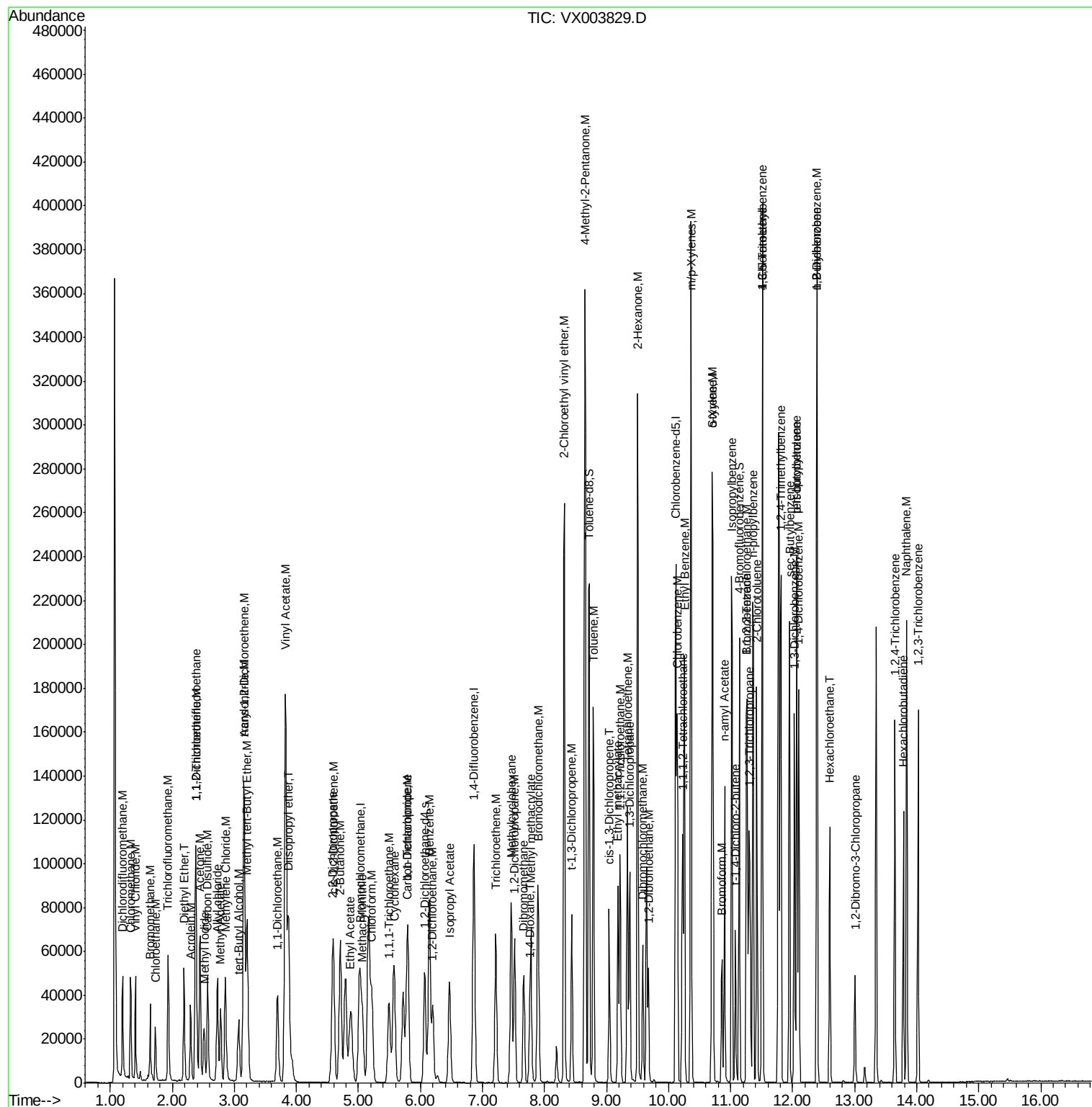
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
Data File : VX003829.D
Acq On : 02 Aug 2018 17:33
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

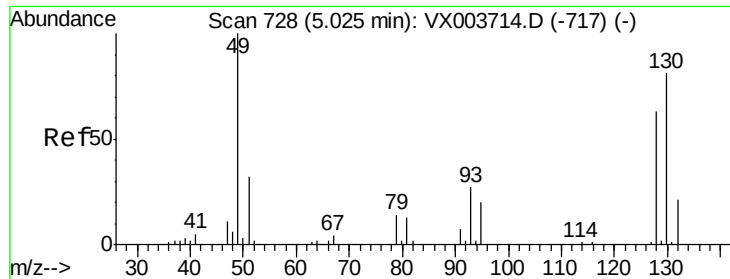
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM

Quant Time: Aug 03 04:02:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 21678

Ion Ratio Lower Upper

128 100

49 161.8 0.0 423.0

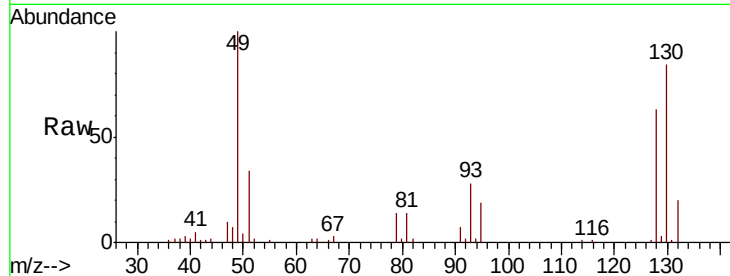
130 130.8 0.0 324.3

Manual Integrations

APPROVED

MMDadoda

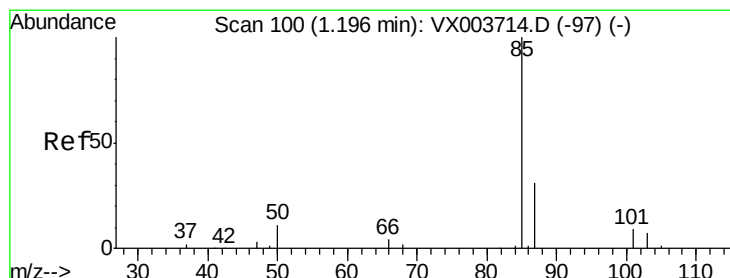
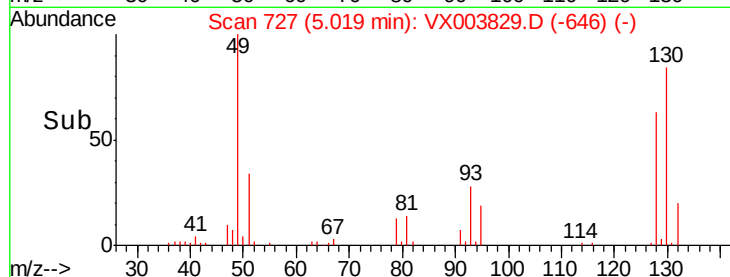
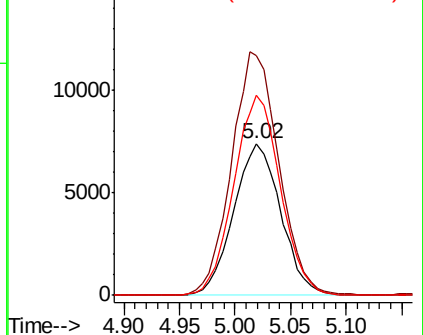
8/3/2018 9:48:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003829.D

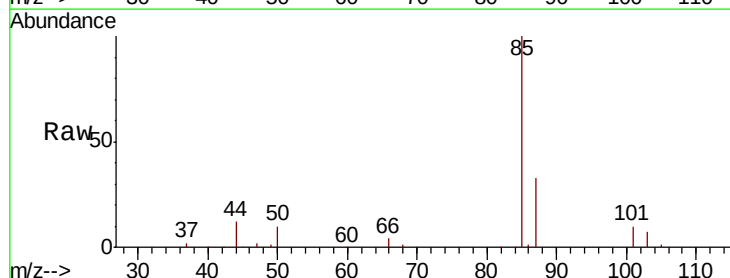
Acq: 02 Aug 2018 17:33

Tgt Ion: 85 Resp: 28429

Ion Ratio Lower Upper

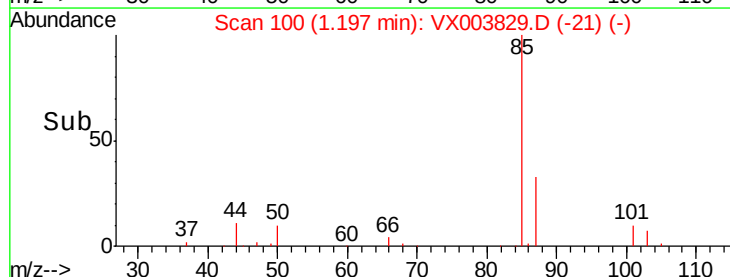
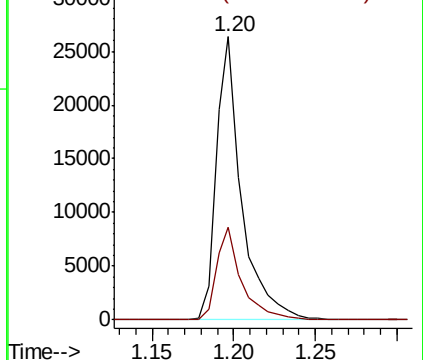
85 100

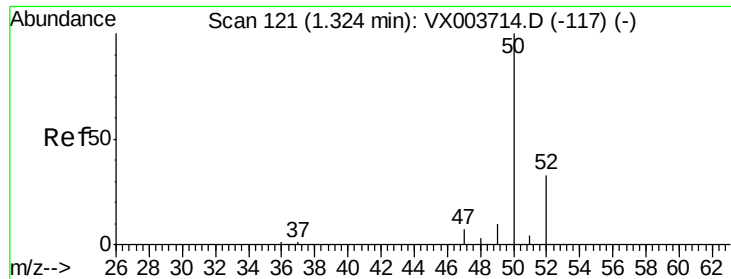
87 32.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 23.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 35475

Ion Ratio Lower Upper

50 100

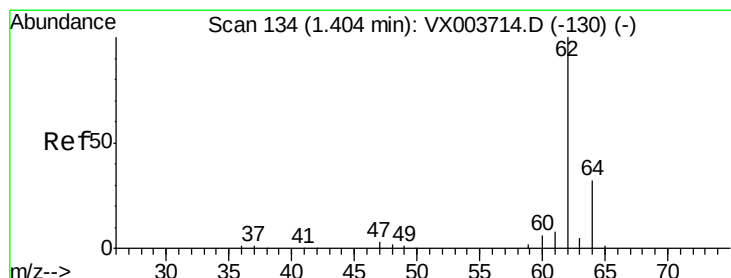
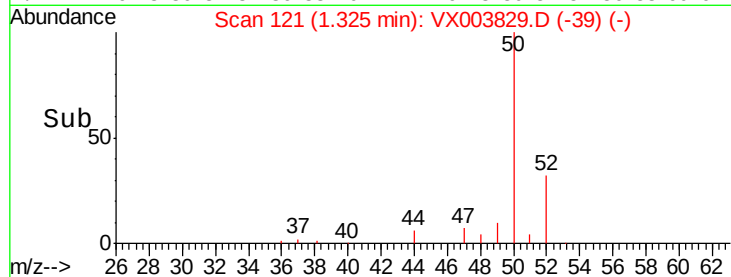
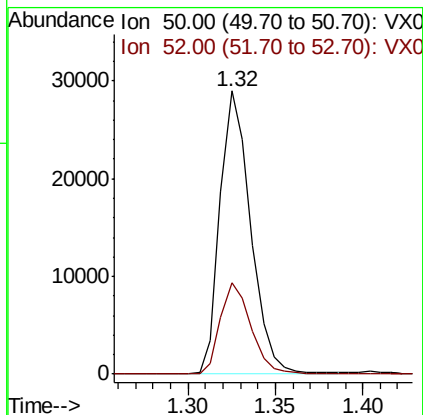
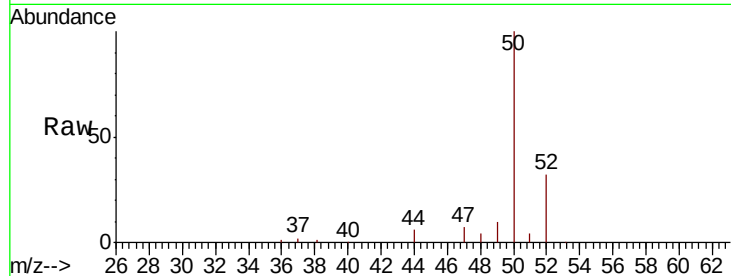
52 32.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:48:39 AM



#4

Vinyl Chloride

Concen: 18.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003829.D

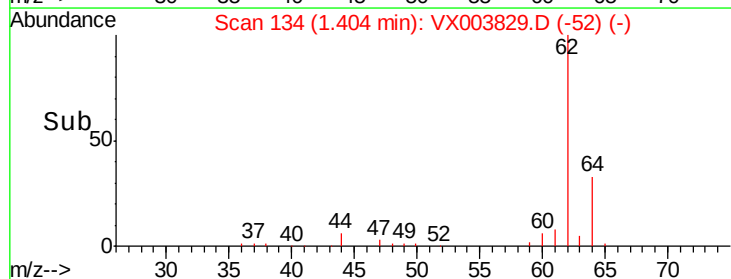
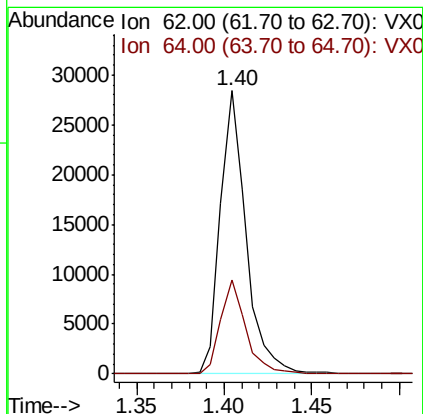
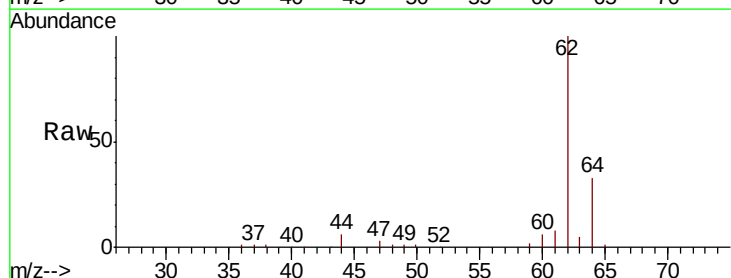
Acq: 02 Aug 2018 17:33

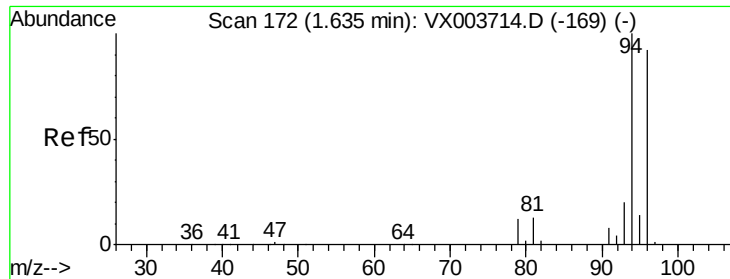
Tgt Ion: 62 Resp: 29211

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 16.30 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 15795

Ion Ratio Lower Upper

94 100

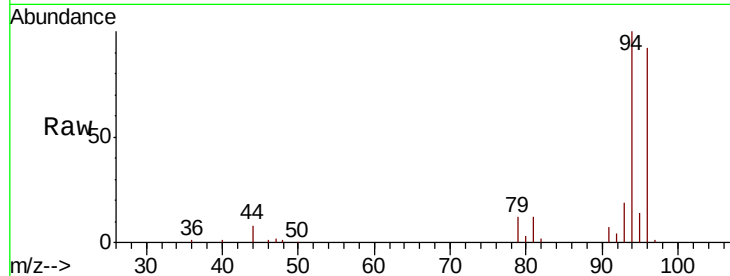
96 92.1 75.7 113.5

Manual Integrations

APPROVED

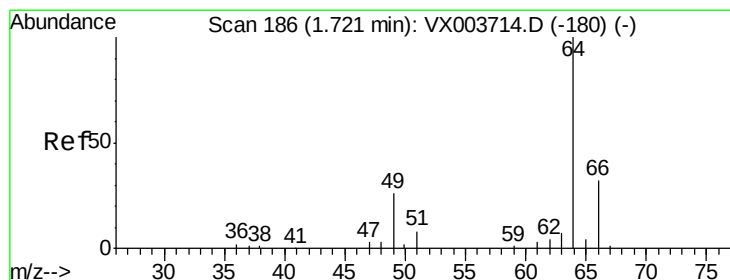
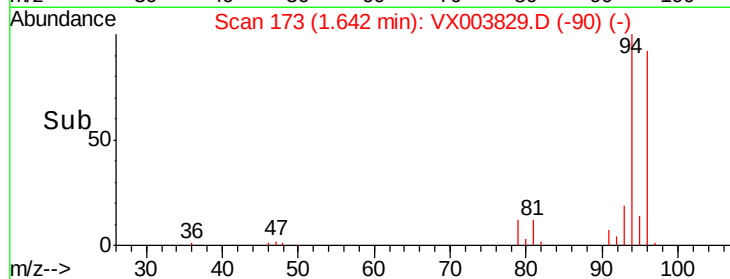
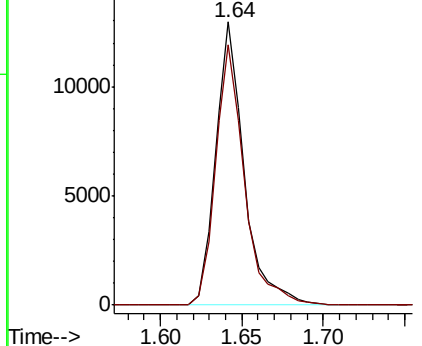
MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 15.32 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003829.D

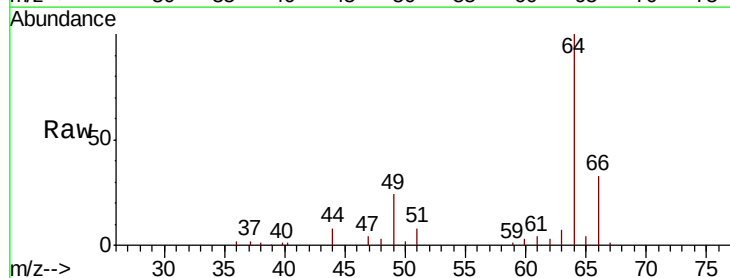
Acq: 02 Aug 2018 17:33

Tgt Ion: 64 Resp: 16252

Ion Ratio Lower Upper

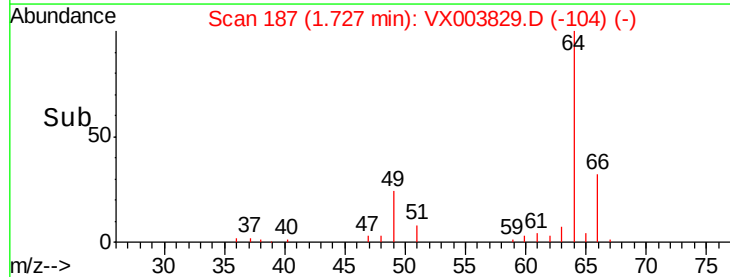
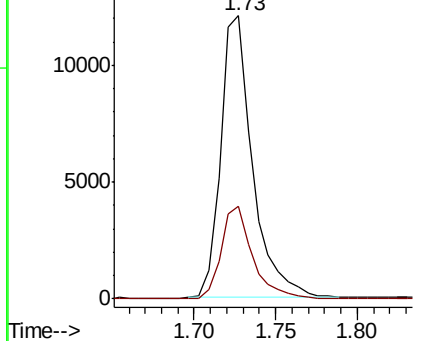
64 100

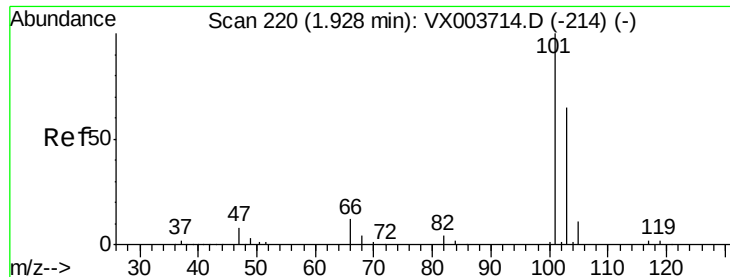
66 33.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

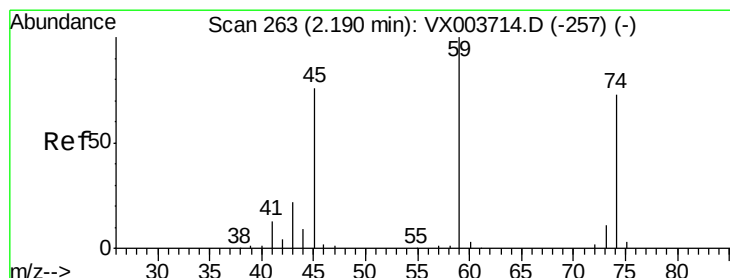
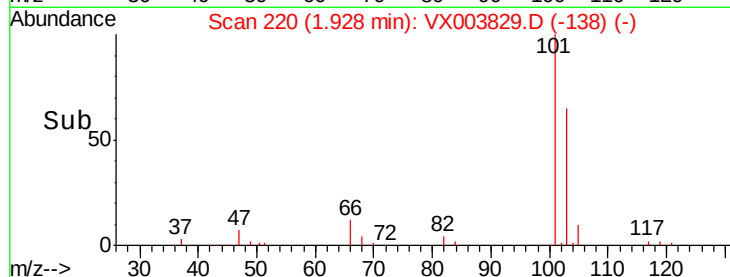
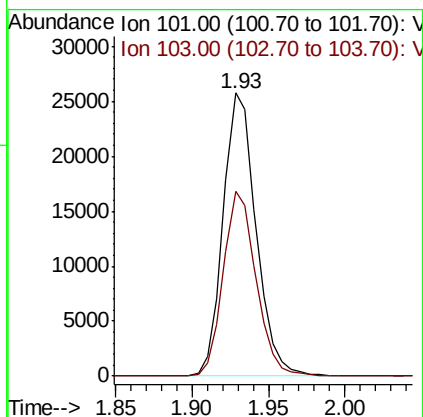
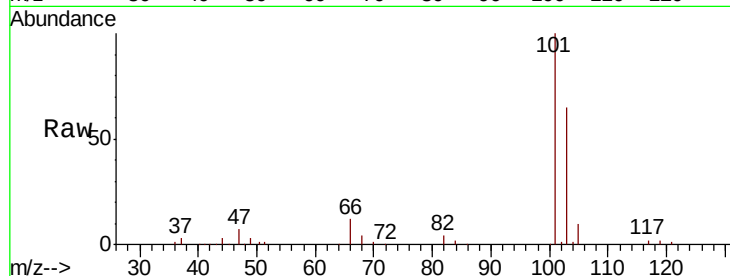
Trichlorofluoromethane
Concen: 17.60 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

Manual Integrations
APPROVED

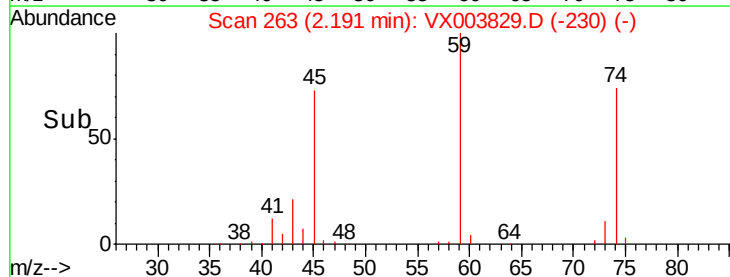
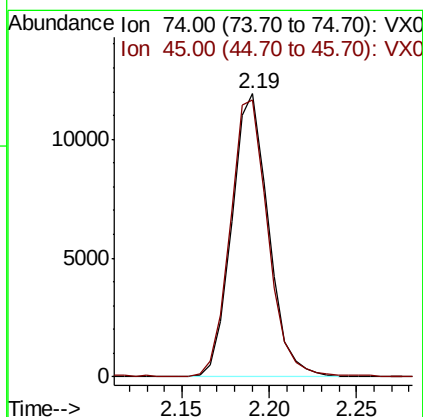
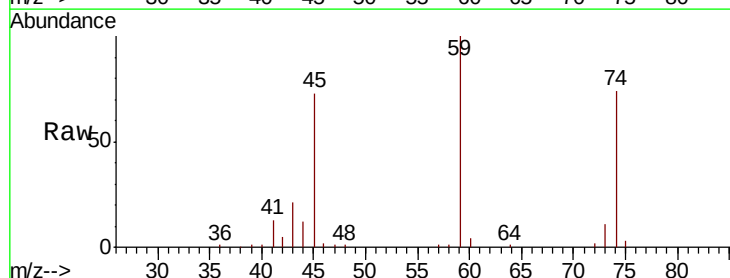
MMDadoda
8/3/2018 9:48:39 AM

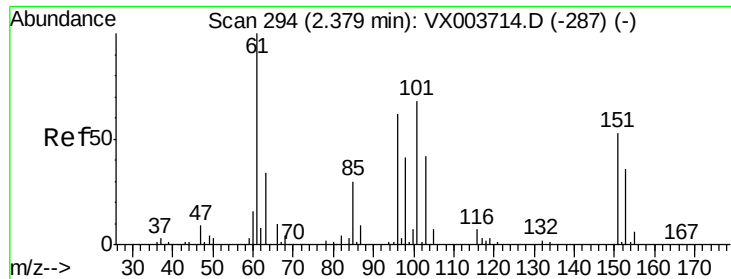


#8

Diethyl Ether
Concen: 18.61 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.63 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

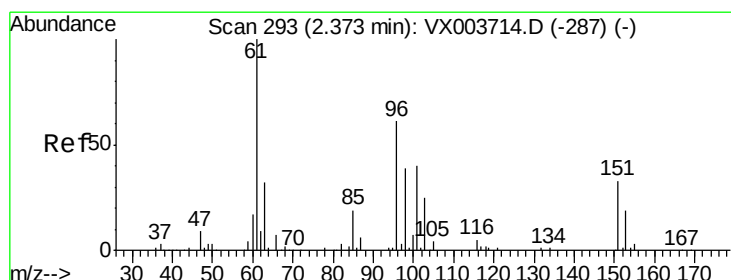
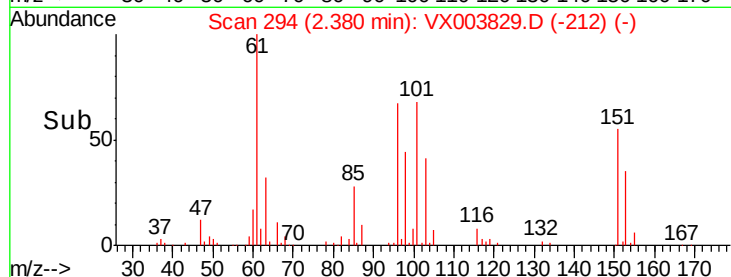
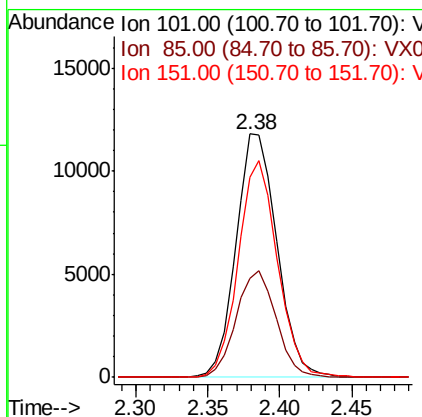
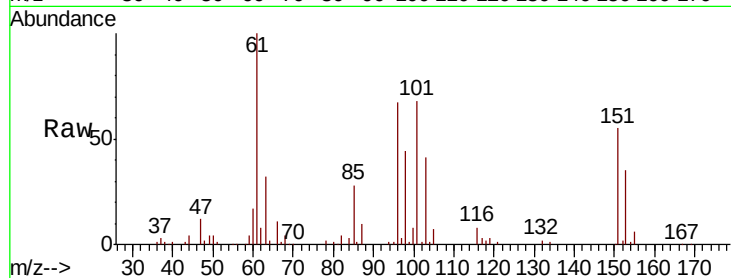
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	23306
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	87.0
151	85.3	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#10

1,1-Dichloroethene

Concen: 17.20 ug/l

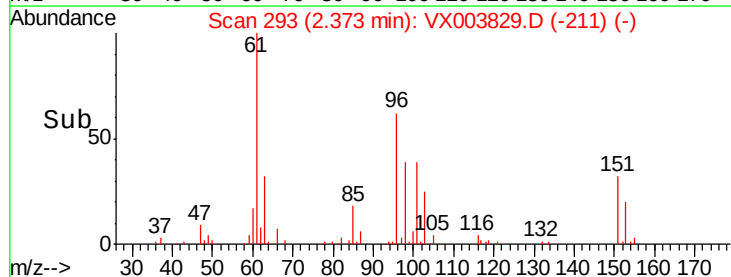
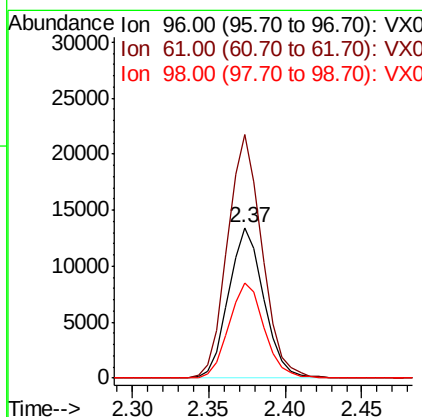
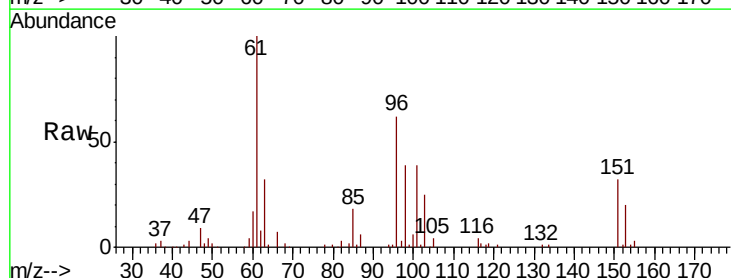
RT: 2.37 min Scan# 293

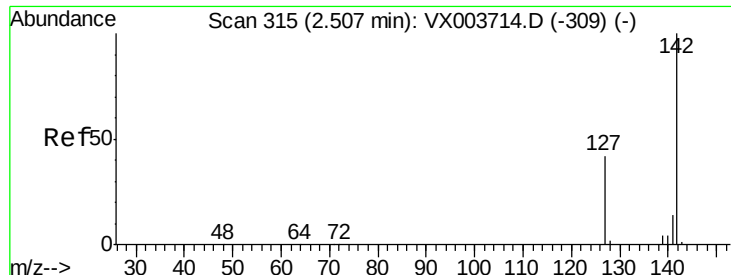
Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	96	Resp:	21381
Ion Ratio	Lower	Upper	
96	100		
61	161.8	137.5	206.3
98	62.8	51.4	77.2





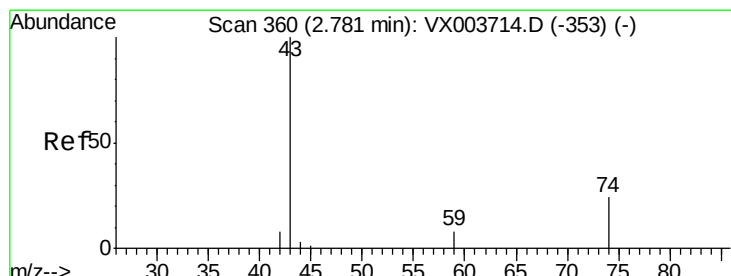
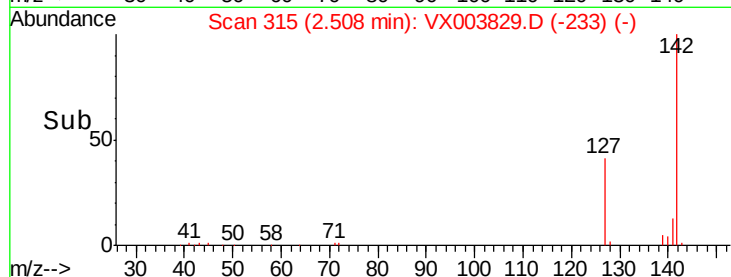
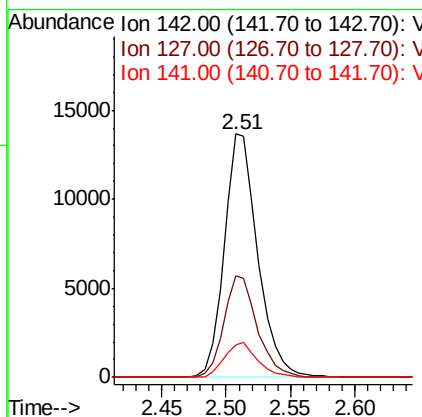
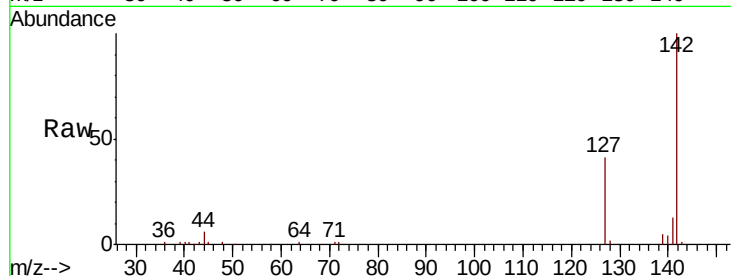
#11
Methyl Iodide
Concen: 14.40 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.5	23.2	69.6
141	13.1	7.4	22.2

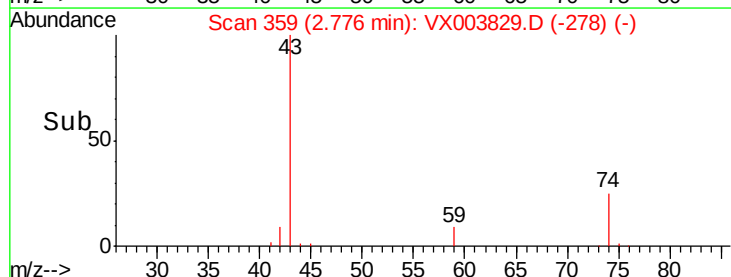
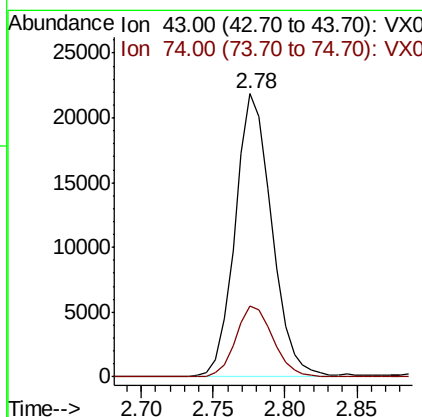
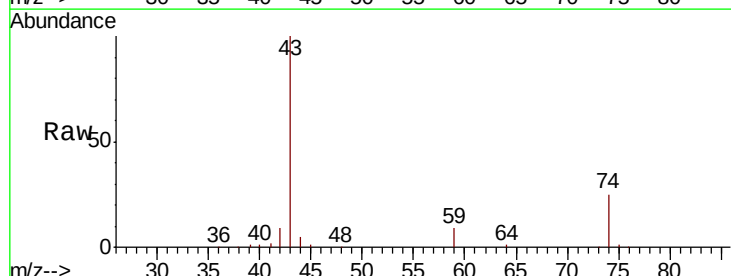
Manual Integrations
APPROVED

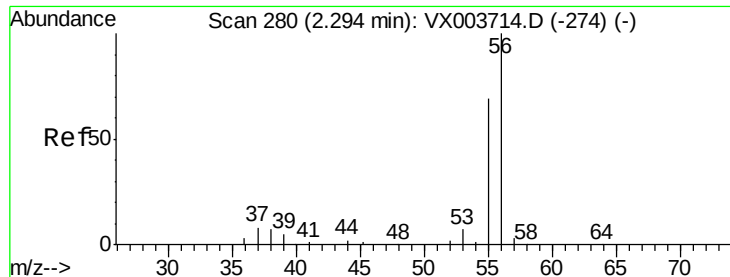
MMDadoda
8/3/2018 9:48:39 AM



#12
Methyl Acetate
Concen: 16.63 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	16.4	24.6#





#13

Acrolein

Concen: 134.46 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 24116

Ion Ratio Lower Upper

56 100

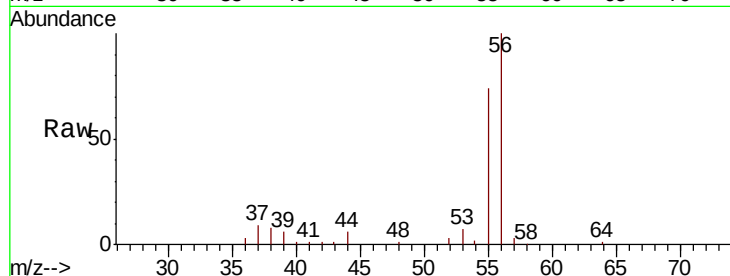
55 72.7 57.3 85.9

Manual Integrations

APPROVED

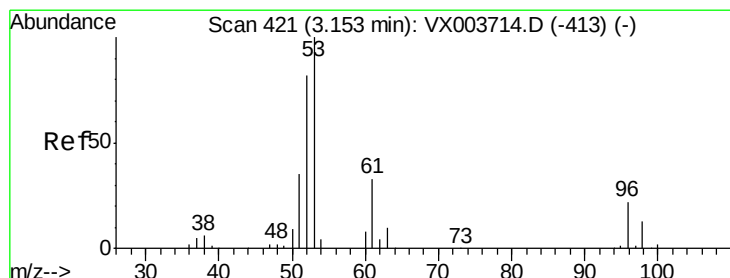
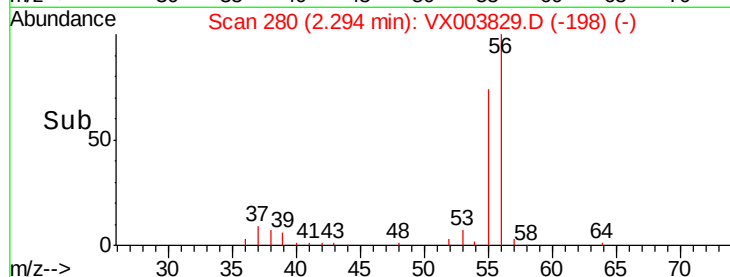
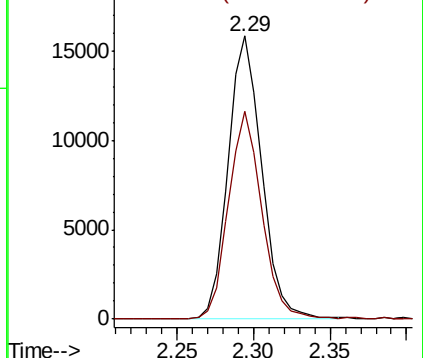
MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 90.70 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

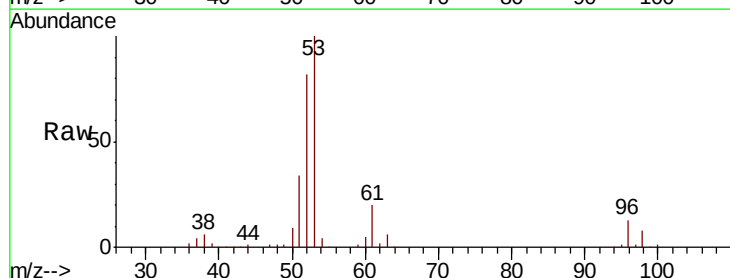
Tgt Ion: 53 Resp: 82188

Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

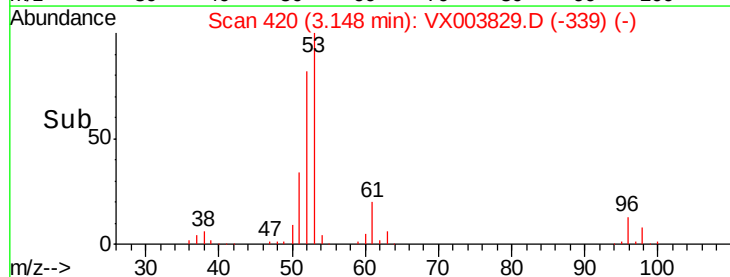
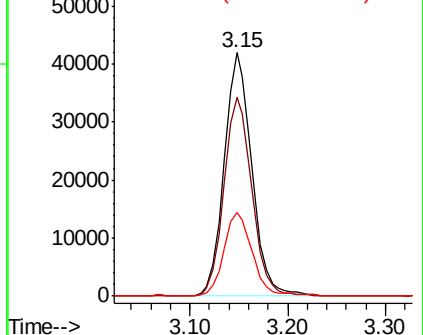
51 35.4 17.9 53.8

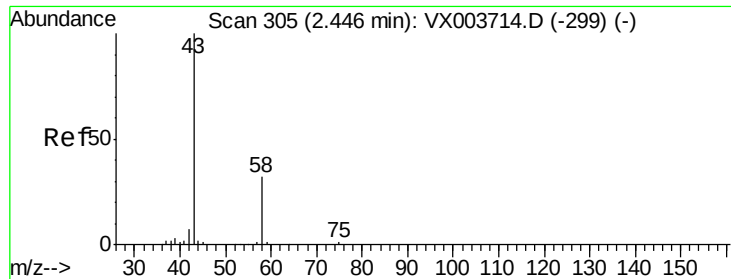


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 90.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 22233

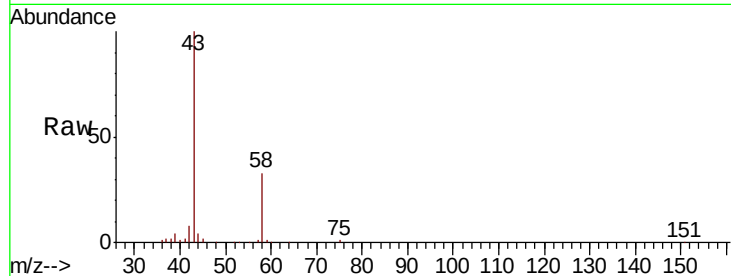
Ion Ratio Lower Upper

58 100

43 301.0 278.8 418.2

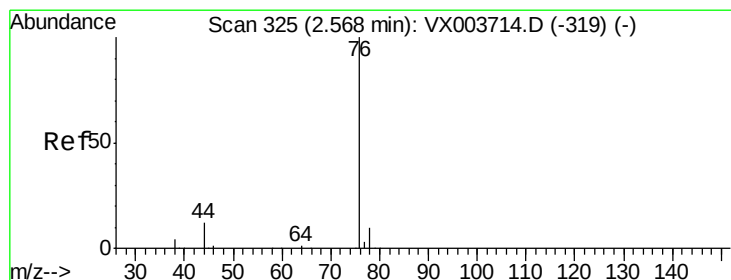
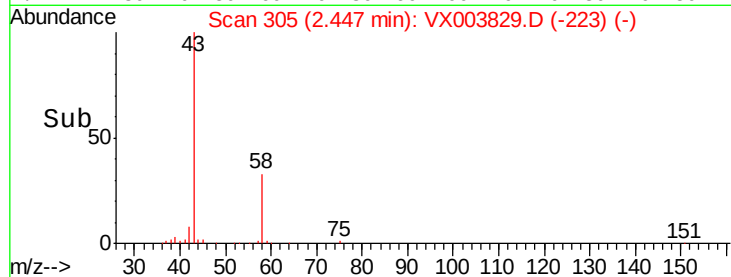
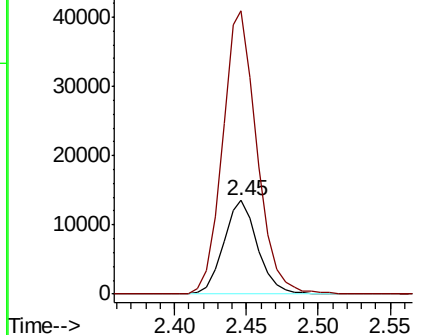
Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



Abundance Ion 58.00 (57.70 to 58.70): VX003829.D (-223) (-)

Ion 43.00 (42.70 to 43.70): VX003829.D (-223) (-)



#16

Carbon Disulfide

Concen: 17.17 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003829.D

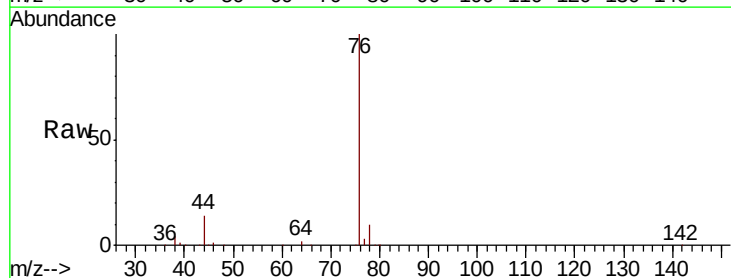
Acq: 02 Aug 2018 17:33

Tgt Ion: 76 Resp: 59277

Ion Ratio Lower Upper

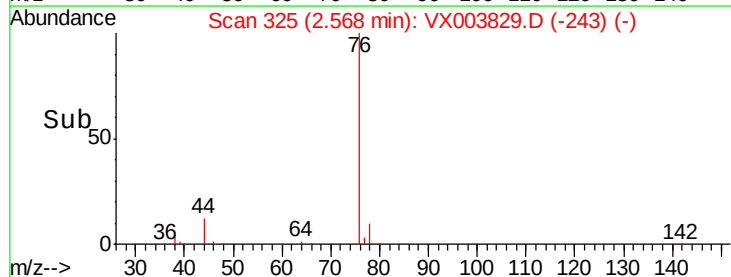
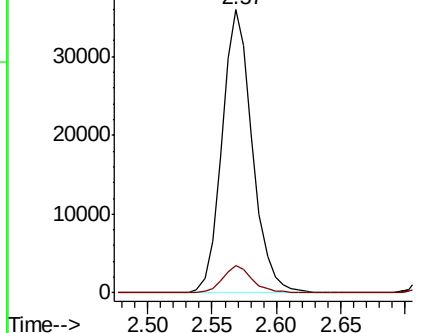
76 100

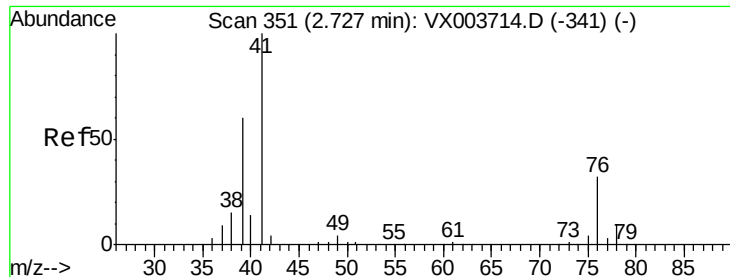
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX003829.D (-243) (-)

Ion 78.00 (77.70 to 78.70): VX003829.D (-243) (-)





#17

Allvl chloride

Concen: 13.15 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

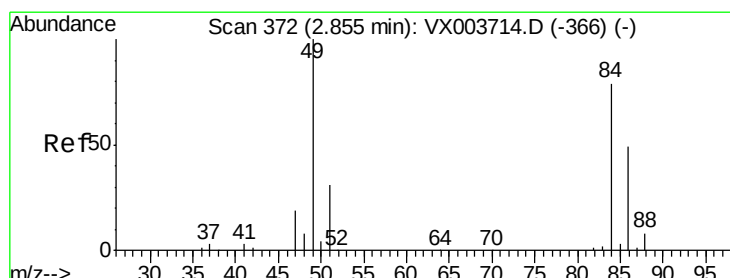
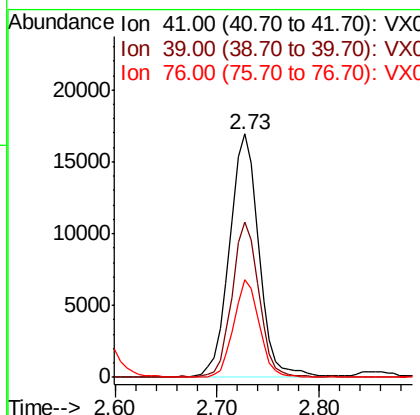
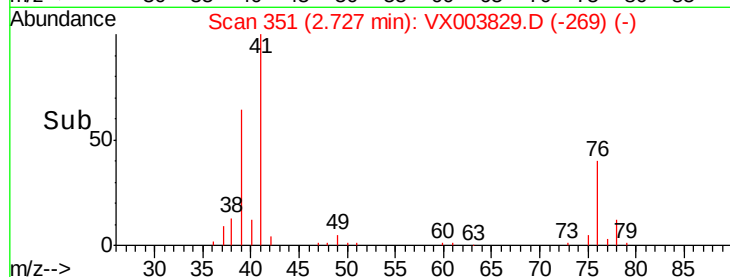
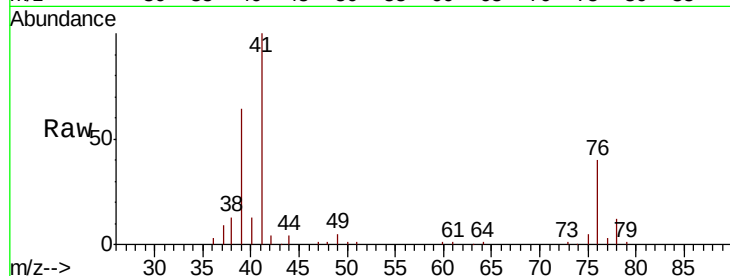
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	33823
Ion	Ratio	Lower	Upper
41	100		
39	63.6	34.6	103.8
76	39.9	15.0	45.1

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#18

Methylene Chloride

Concen: 16.53 ug/l

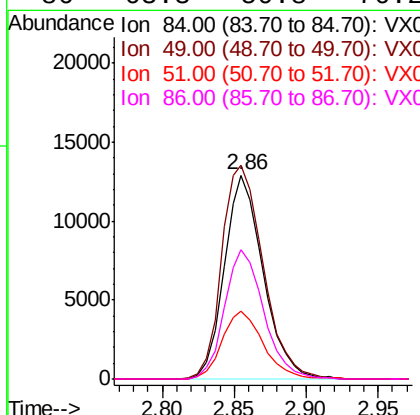
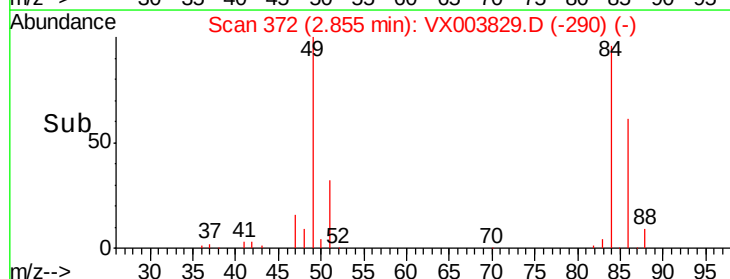
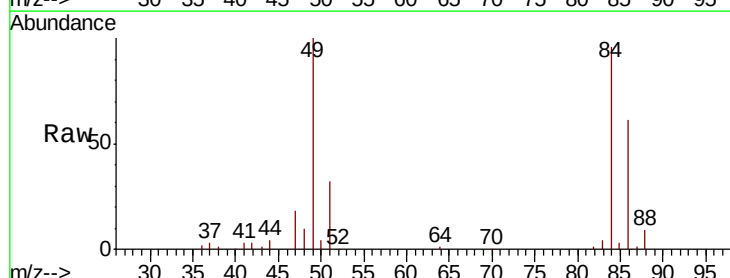
RT: 2.86 min Scan# 372

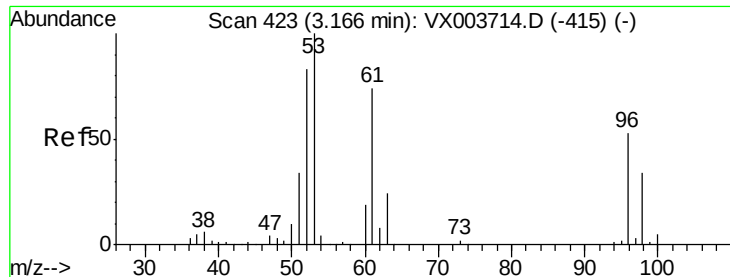
Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	84	Resp:	24334
Ion	Ratio	Lower	Upper
84	100		
49	104.1	104.7	157.1#
51	33.5	31.0	46.4
86	63.3	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 17.58 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 23613

Ion Ratio Lower Upper

96 100

61 139.7 114.6 172.0

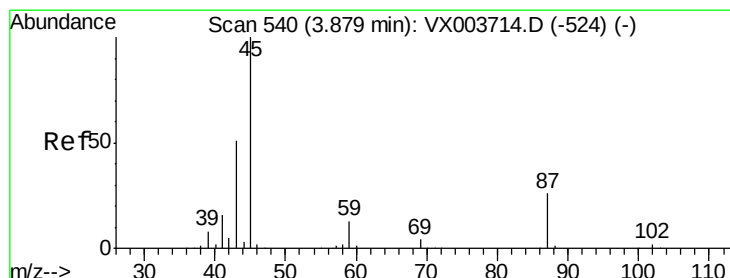
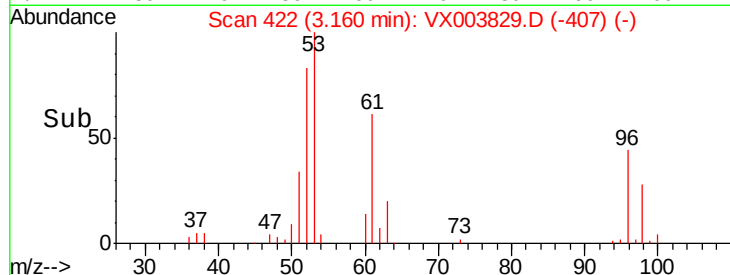
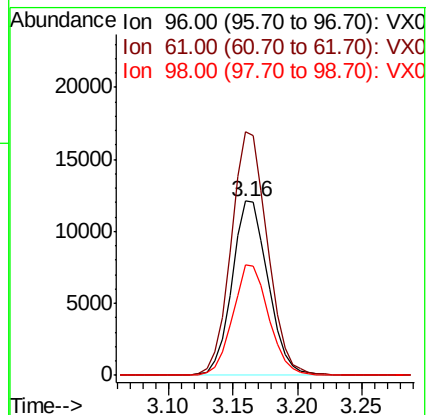
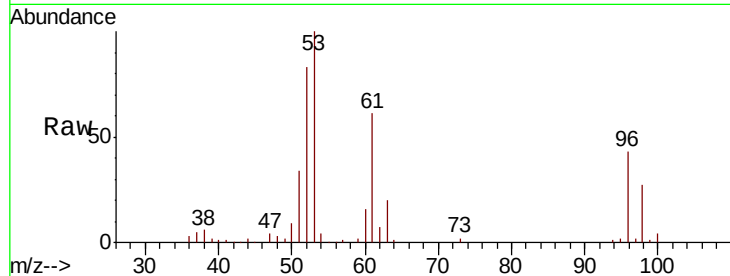
98 63.2 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:48:39 AM



#20

Diisopropyl ether

Concen: 17.90 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion: 45 Resp: 84537

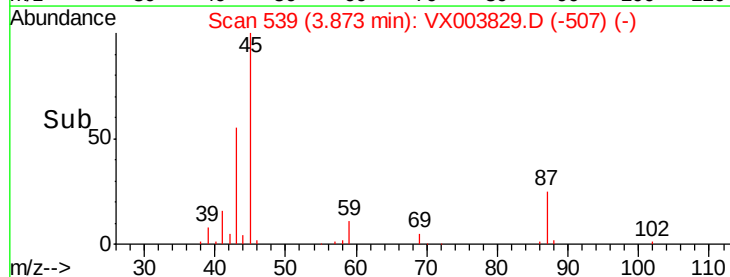
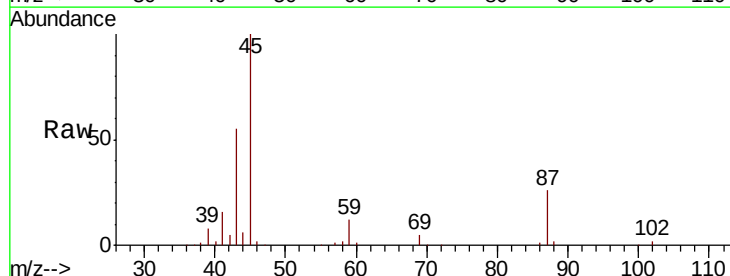
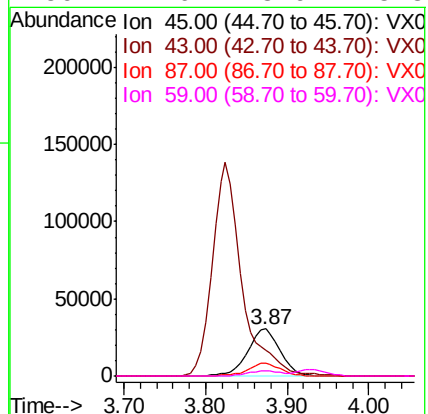
Ion Ratio Lower Upper

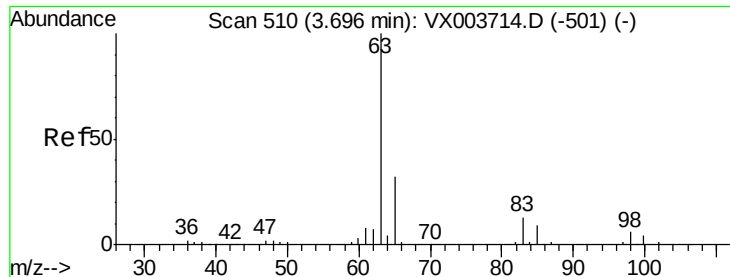
45 100

43 53.8 45.6 68.4

87 25.9 20.7 31.1

59 11.6 8.9 13.3





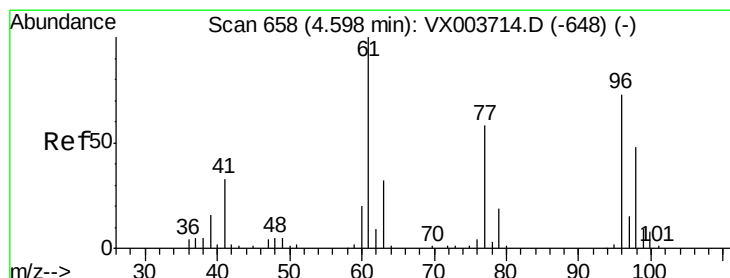
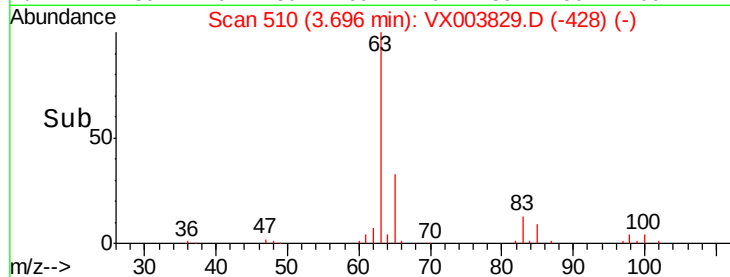
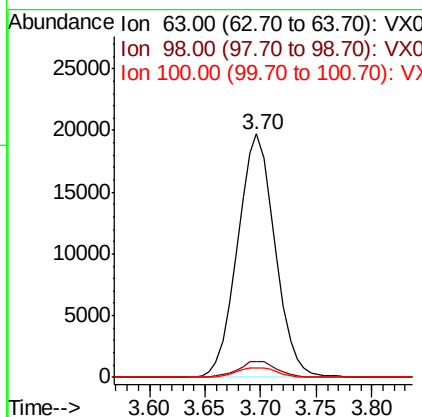
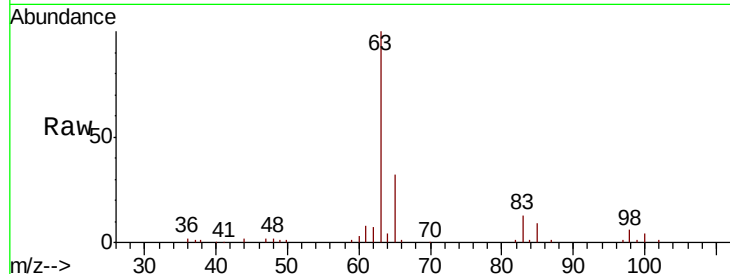
#21
 1,1-Dichloroethane
 Concen: 17.24 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	46109
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.1	9.3
100	3.9	2.2	6.6

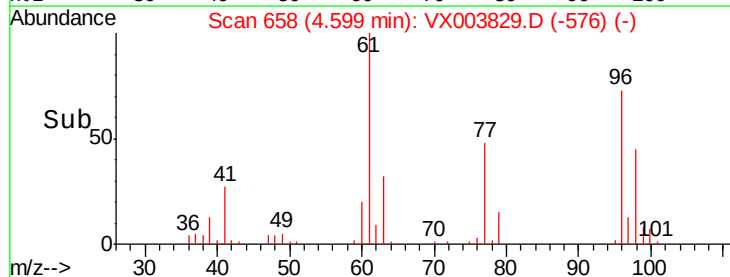
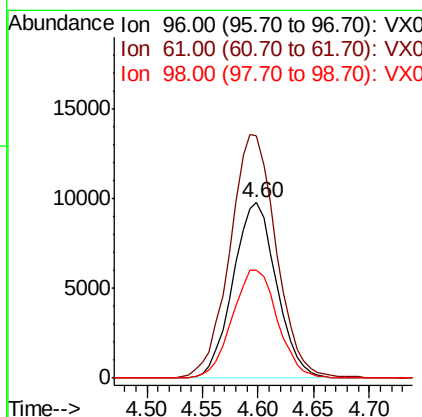
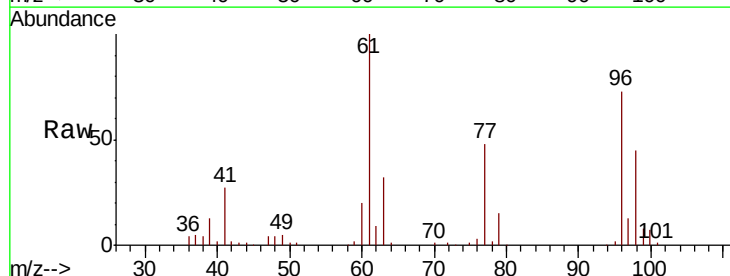
Manual Integrations
 APPROVED

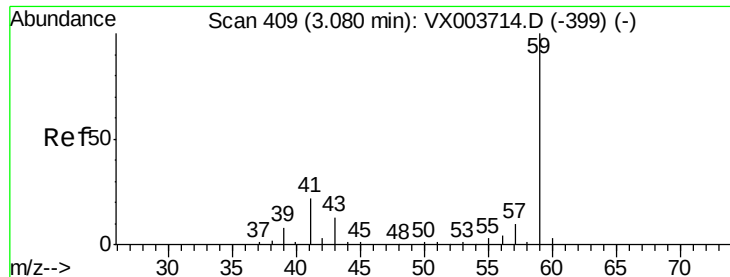
MMDadoda
 8/3/2018 9:48:39 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.54 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion:	96	Resp:	26511
Ion	Ratio	Lower	Upper
96	100		
61	148.2	160.2	240.2#
98	64.1	54.1	81.1





#23

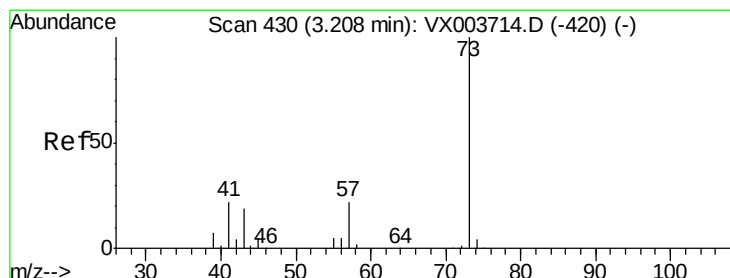
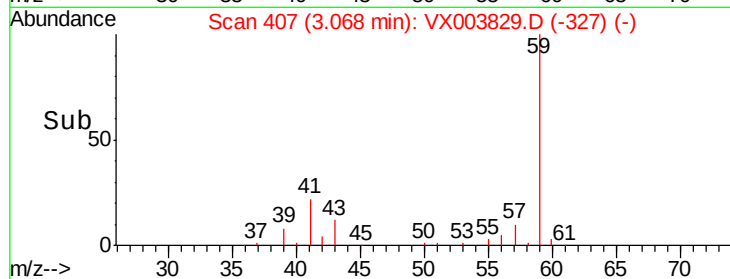
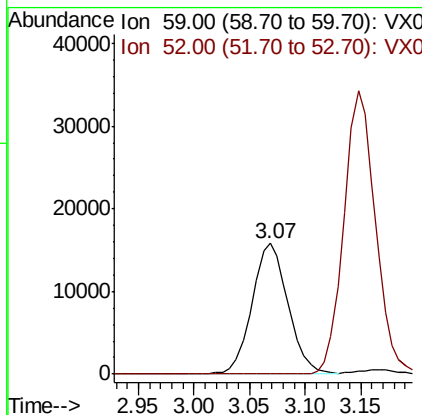
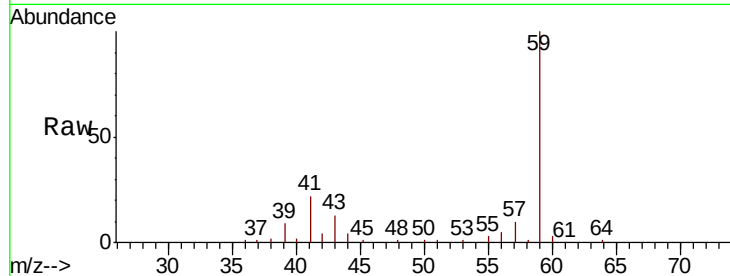
tert-Butyl Alcohol
Concen: 93.89 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

Manual Integrations
APPROVED

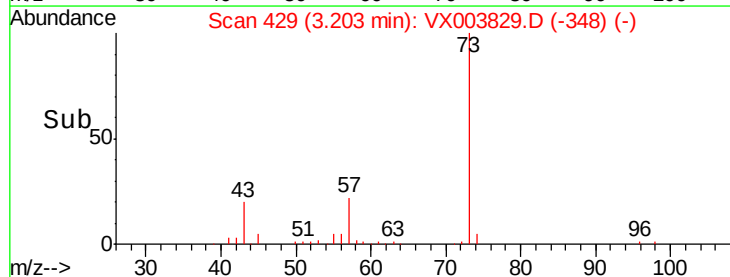
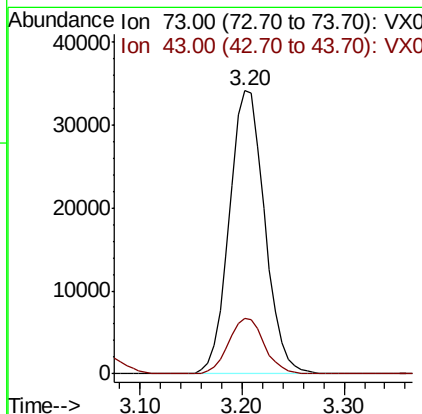
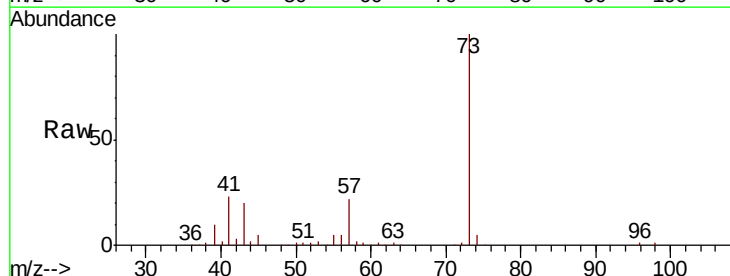
MMDadoda
8/3/2018 9:48:39 AM

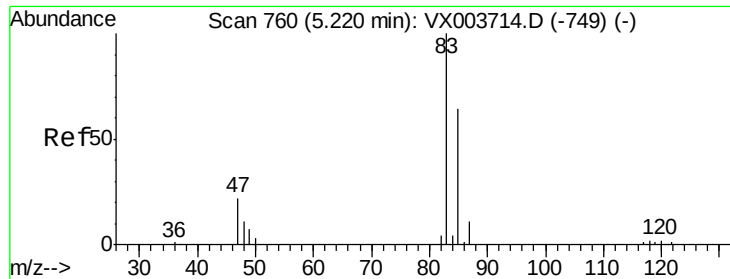


#24

Methyl tert-Butyl Ether
Concen: 18.39 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	19.0	28.4





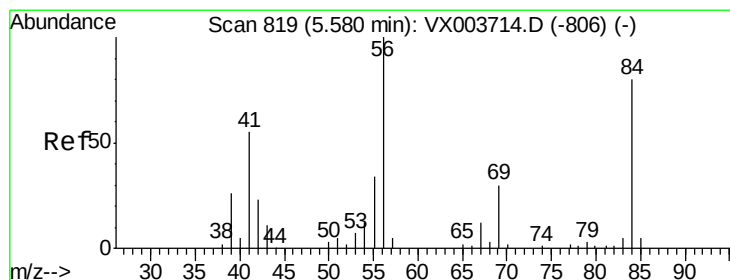
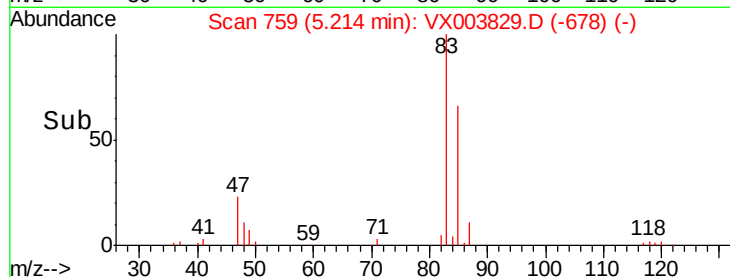
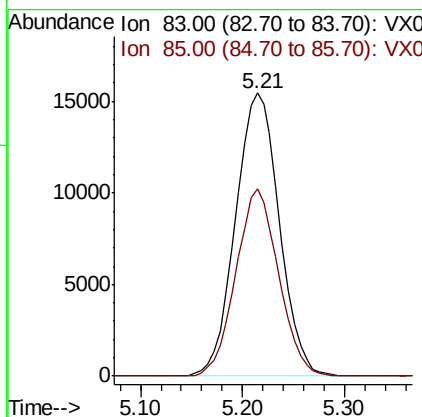
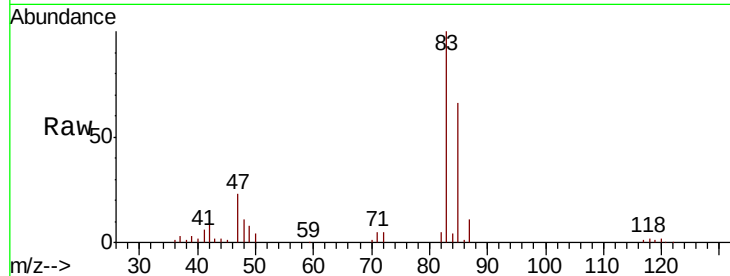
#25
Chloroform
Concen: 19.87 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	46020
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.9	77.9

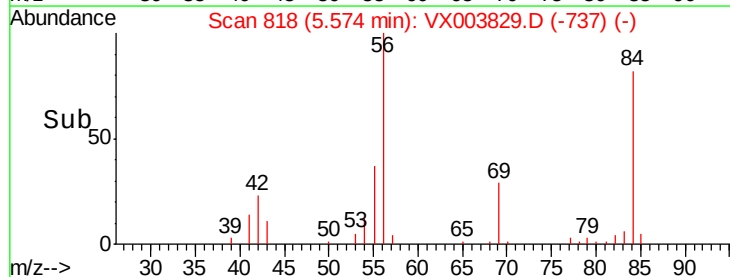
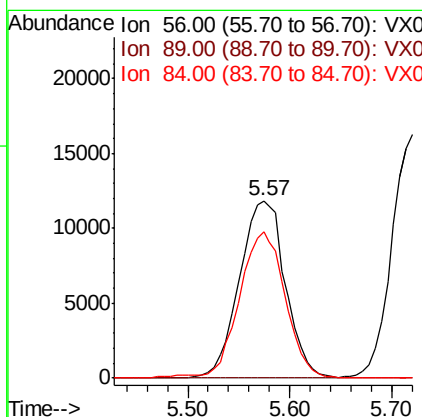
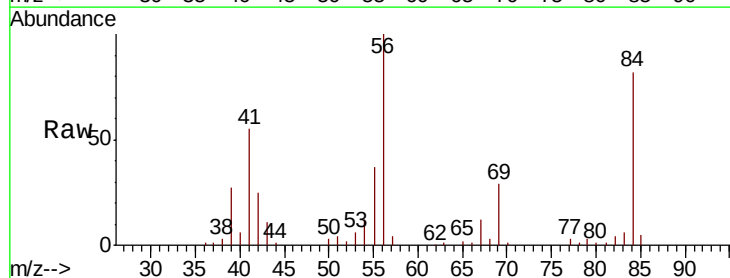
Manual Integrations
APPROVED

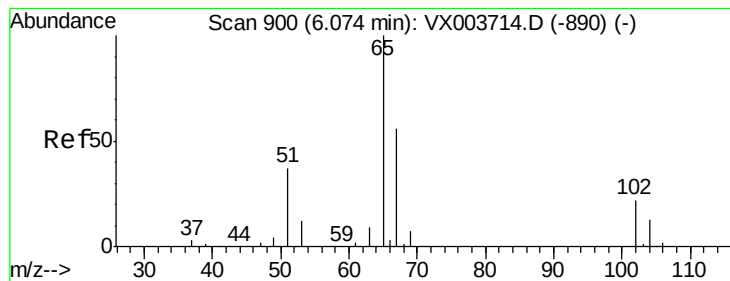
MMDadoda
8/3/2018 9:48:39 AM



#26
Cyclohexane
Concen: 18.40 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	56	Resp	36968
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	81.9	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 29.20 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 46474

Ion Ratio Lower Upper

65 100

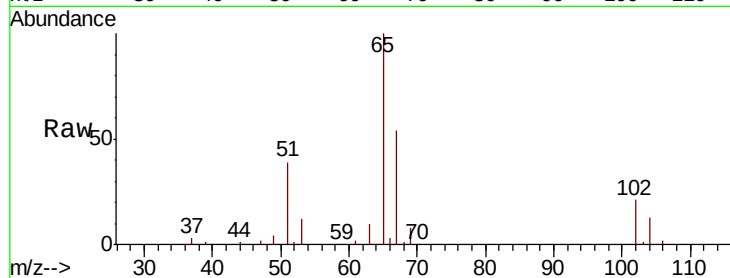
67 53.9 40.9 61.3

Manual Integrations

APPROVED

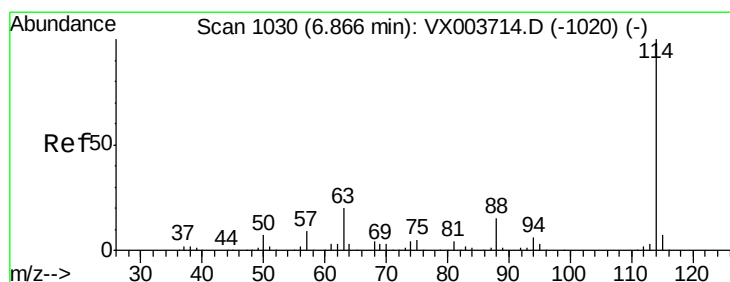
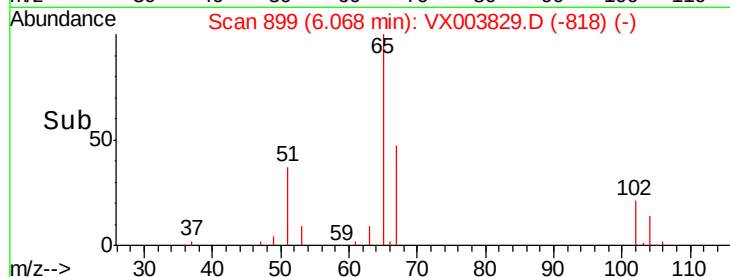
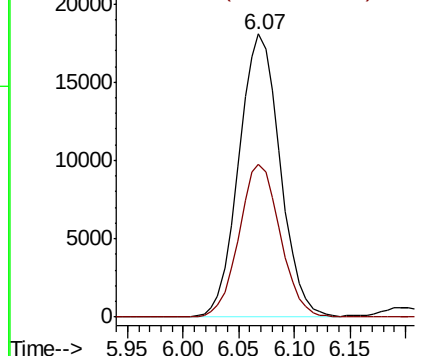
MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

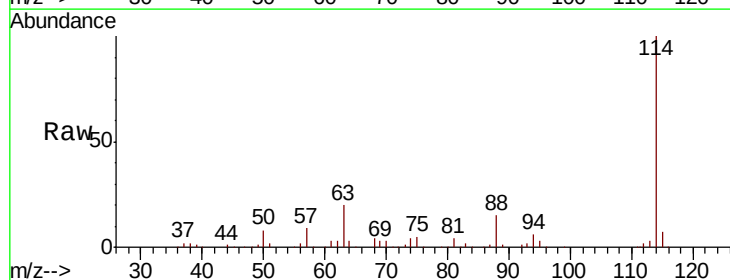
Tgt Ion: 114 Resp: 109959

Ion Ratio Lower Upper

114 100

63 20.3 17.1 25.7

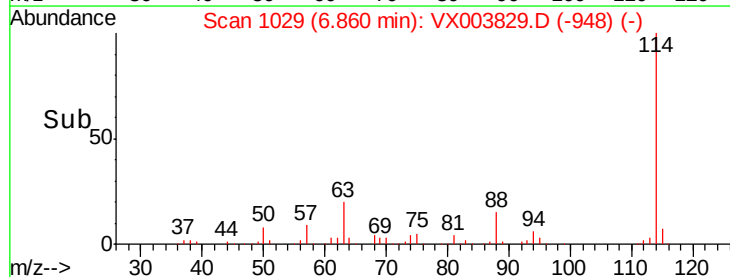
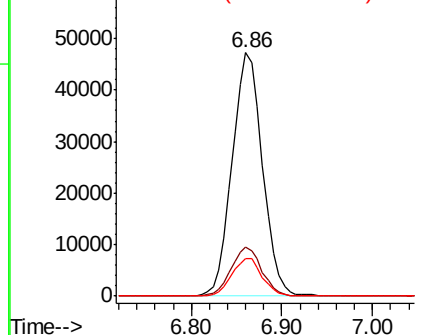
88 15.3 12.6 19.0

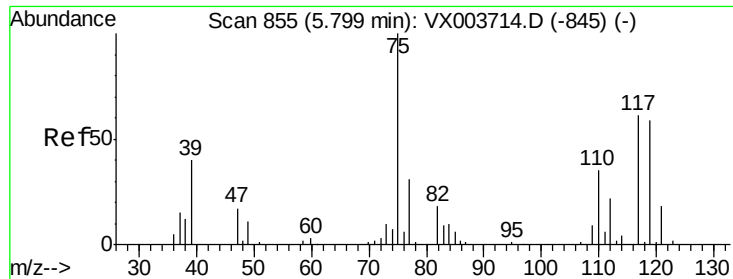


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.14 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

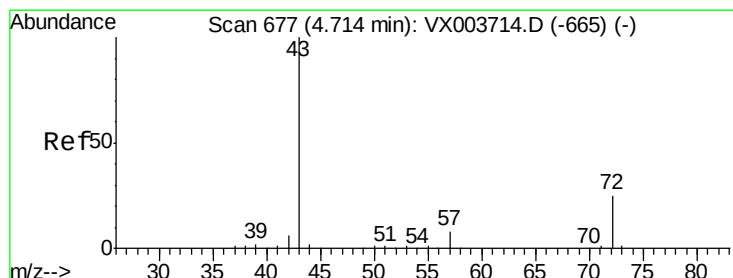
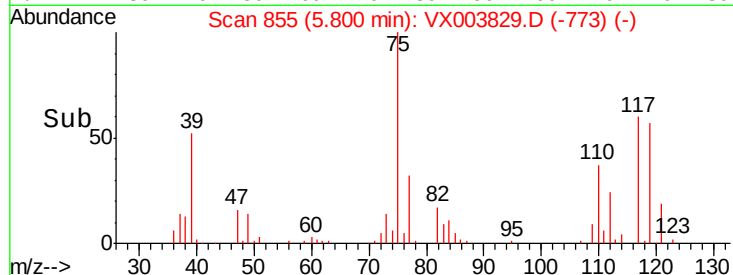
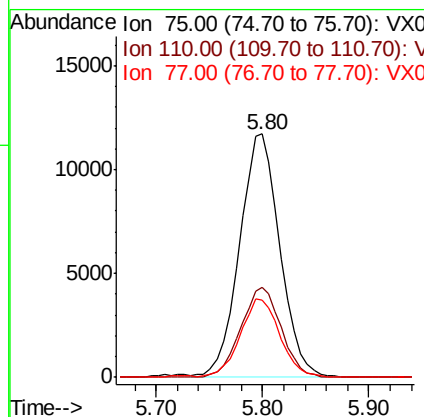
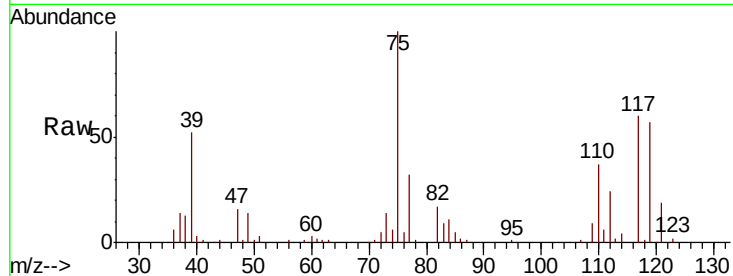
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	31086
Ion Ratio	Lower	Upper	
75	100		
110	36.8	0.0	71.4
77	31.6	0.0	60.6

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#30

2-Butanone

Concen: 107.58 ug/l

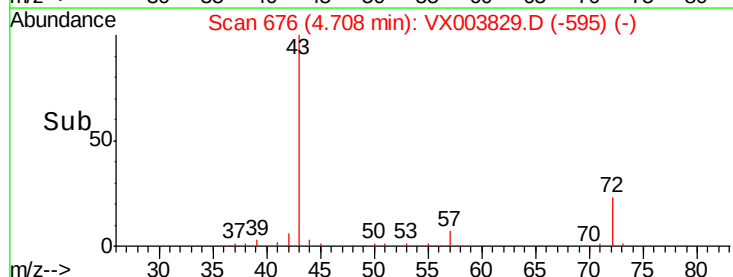
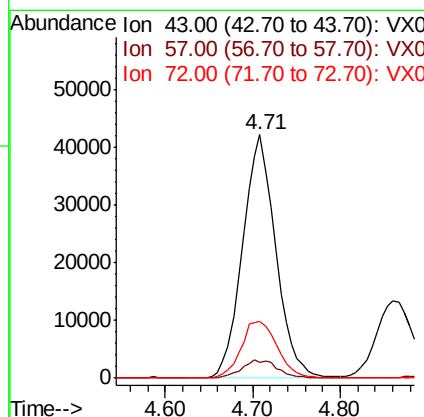
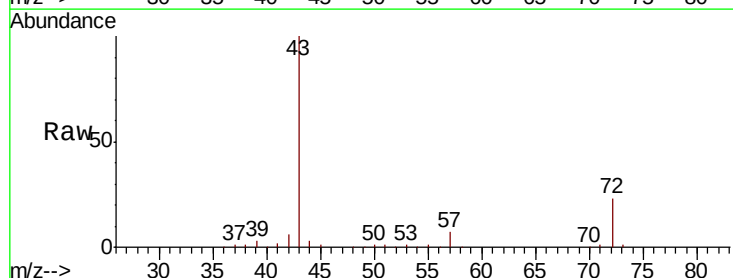
RT: 4.71 min Scan# 676

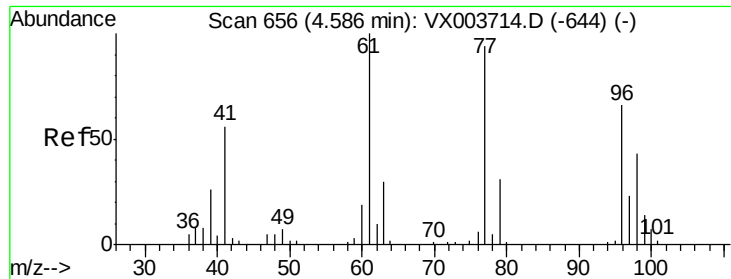
Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	43	Resp:	111552
Ion Ratio	Lower	Upper	
43	100		
57	4.4	6.1	9.1#
72	25.4	18.1	27.1





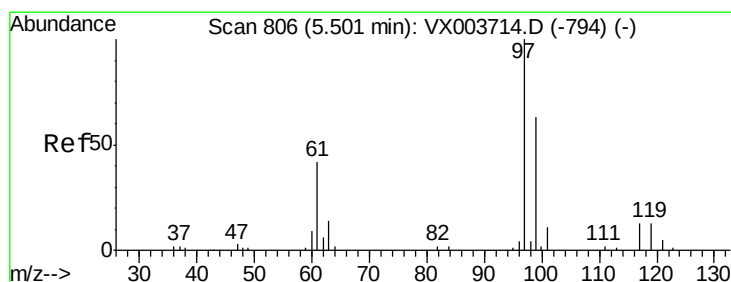
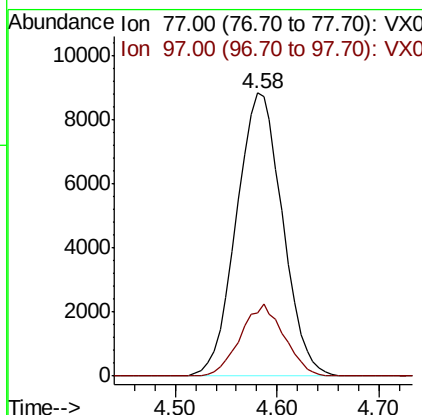
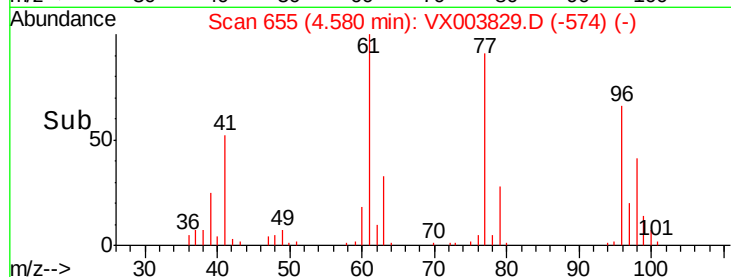
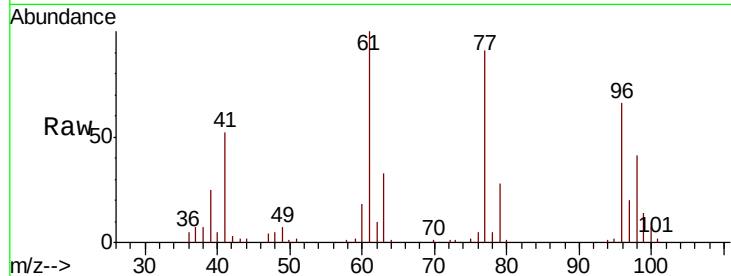
#31
 2,2-Dichloropropane
 Concen: 17.64 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 27749
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.7 28.1

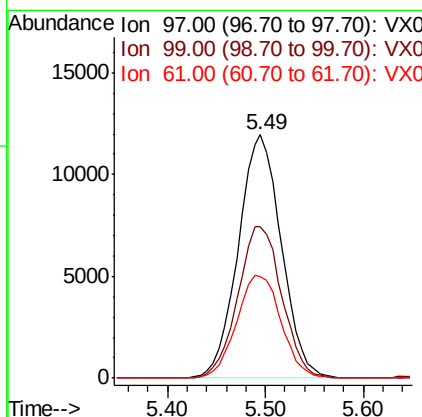
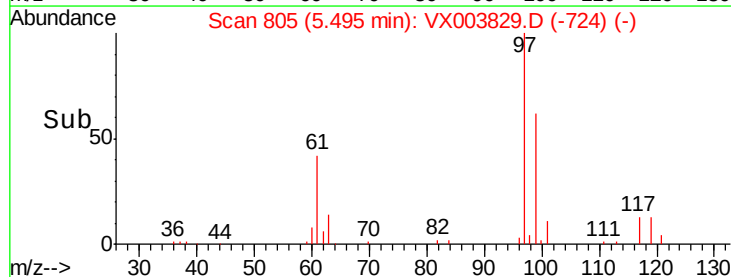
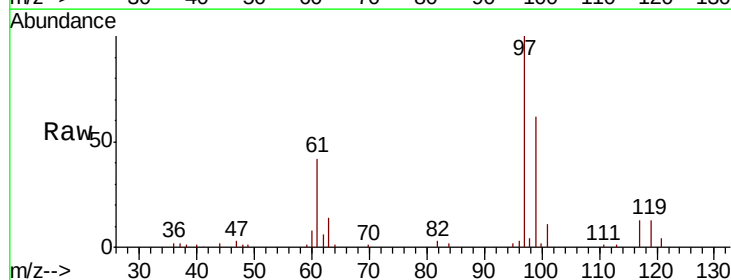
Manual Integrations
 APPROVED

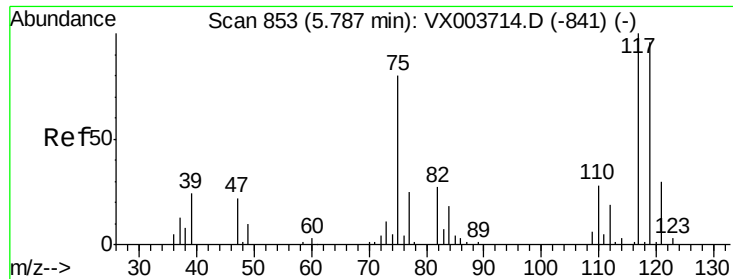
MMDadoda
 8/3/2018 9:48:39 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.62 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 97 Resp: 36444
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 43.6 36.4 54.6





#33

Carbon Tetrachloride

Concen: 19.56 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

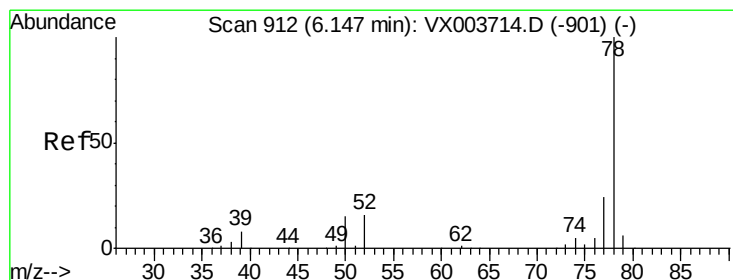
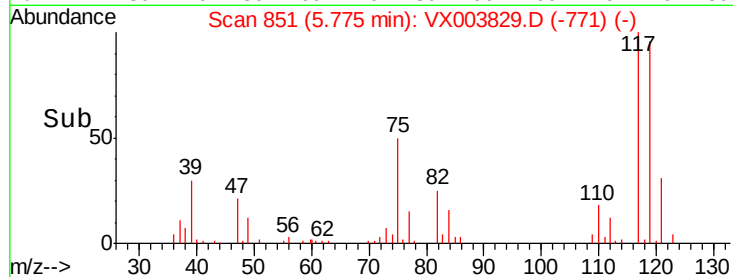
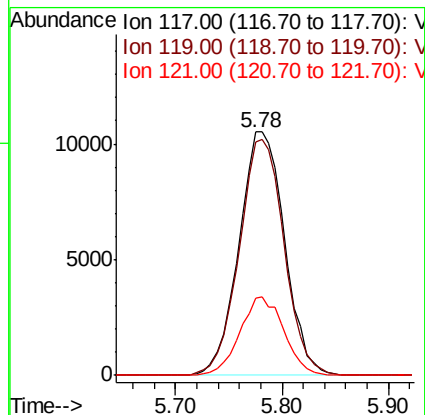
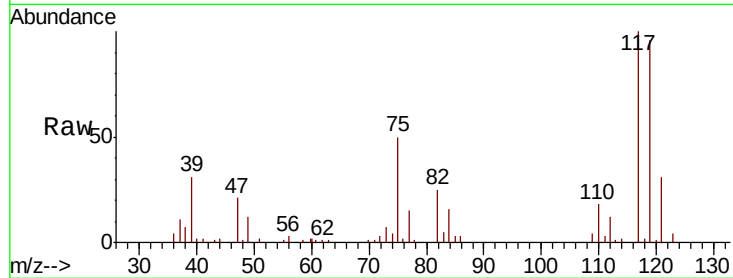
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	31576
Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.3	109.9
121	31.5	23.6	35.4

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#34

Benzene

Concen: 20.30 ug/l

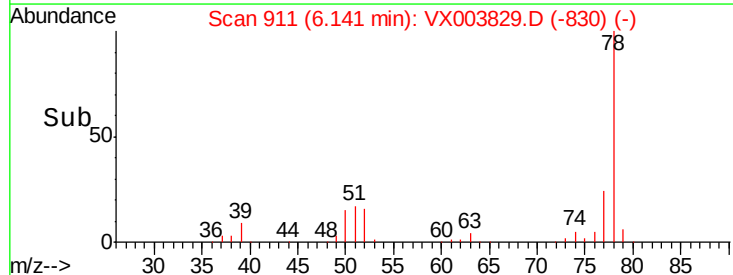
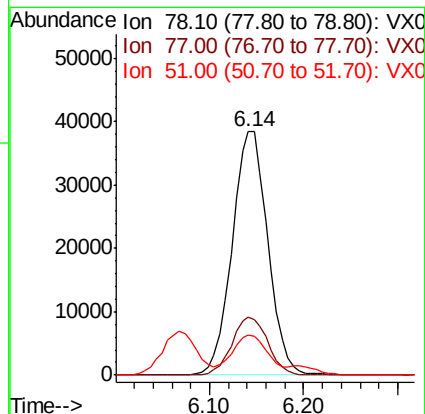
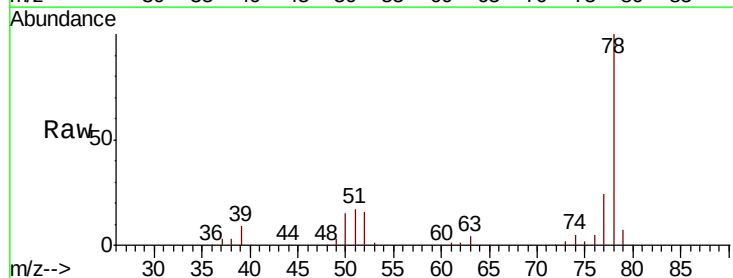
RT: 6.14 min Scan# 911

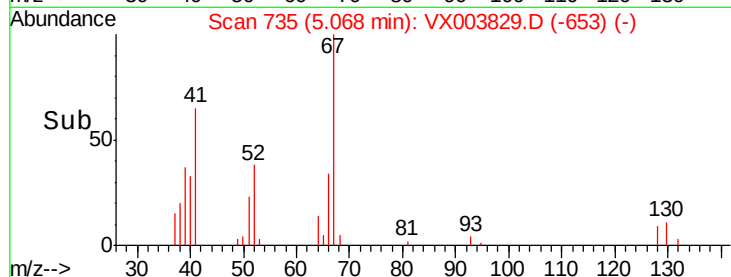
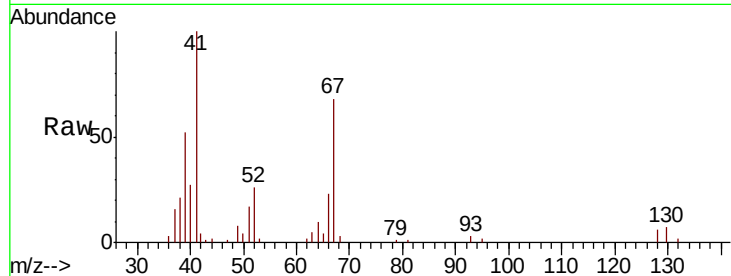
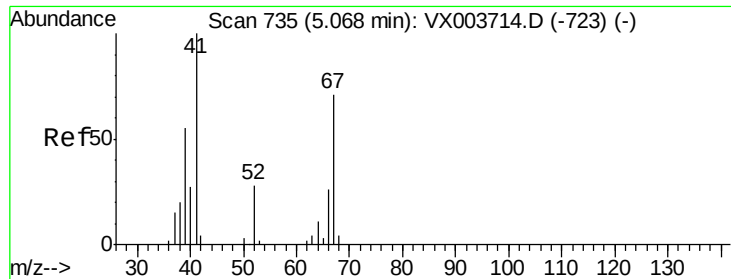
Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

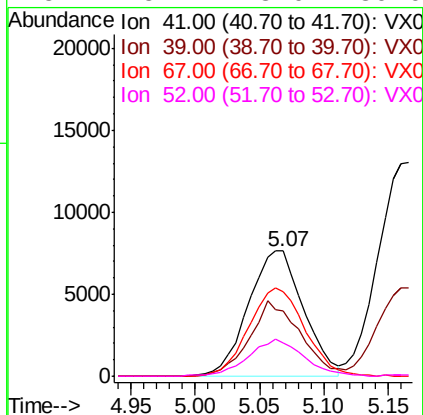
Tgt Ion:	78	Resp:	101249
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0
51	16.3	13.8	20.6





#35
Methacrylonitrile
Concen: 21.11 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

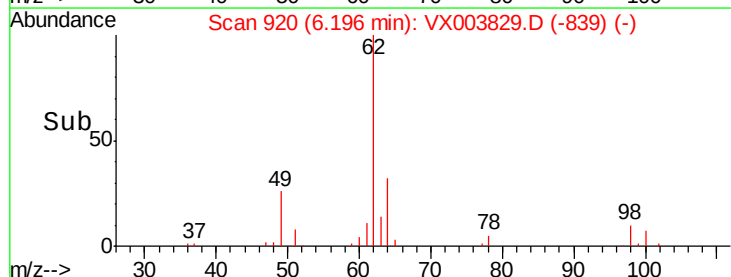
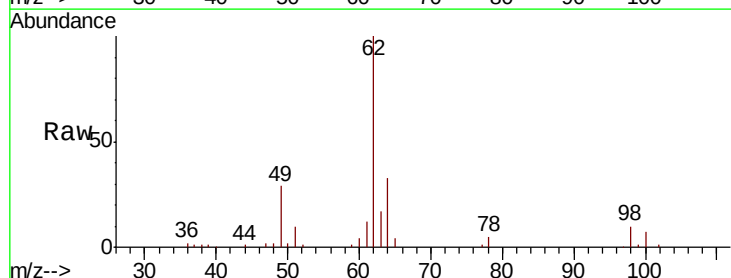
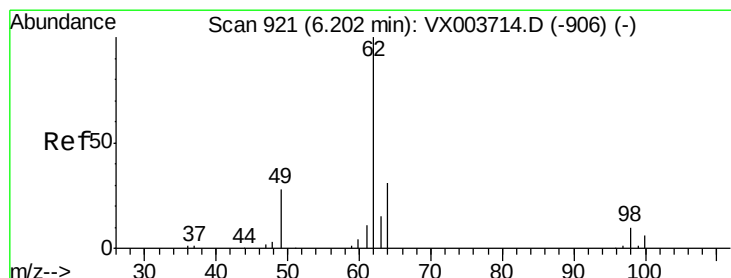
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	28.8	86.5	
67	67.8	30.4	91.2	
52	25.2	13.0	39.0	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

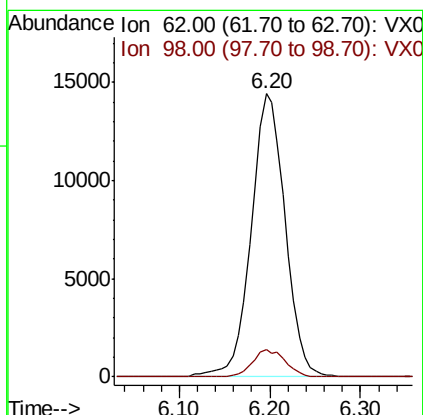
Manual Integrations
APPROVED

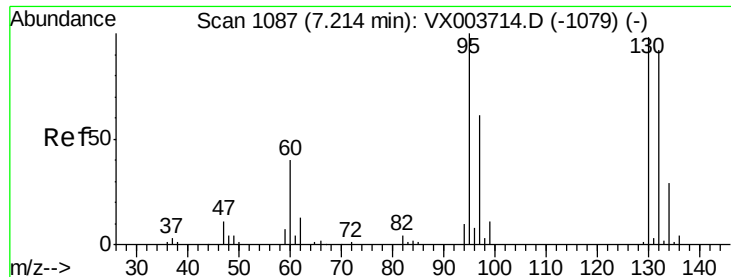
MMDadoda
8/3/2018 9:48:39 AM



#36
1,2-Dichloroethane
Concen: 20.84 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	6.5	9.7	





#37

Trichloroethene

Concen: 20.00 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 26009

Ion Ratio Lower Upper

130 100

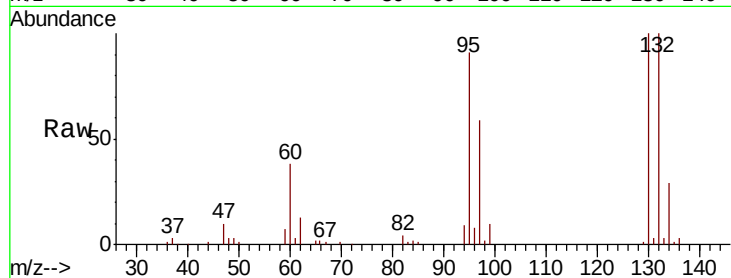
95 90.8 81.5 122.3

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

15000

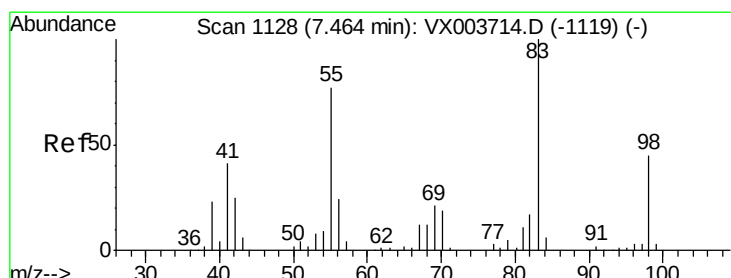
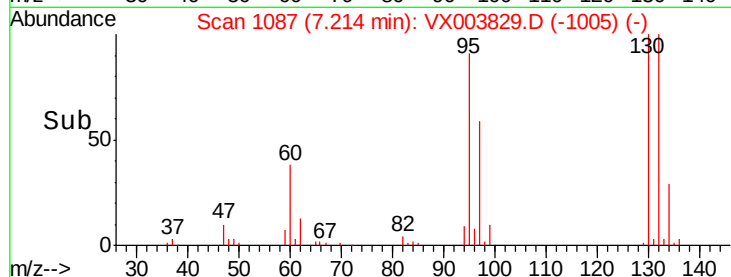
10000

5000

0

Time-->

7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 18.94 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

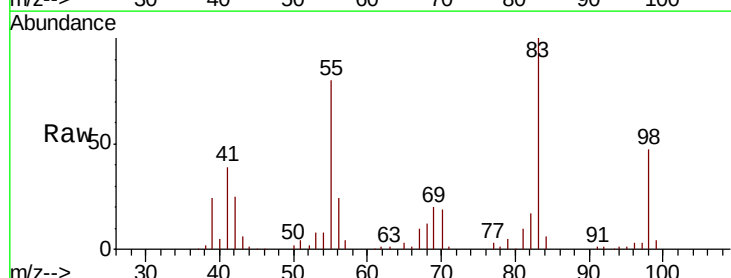
Tgt Ion: 83 Resp: 34953

Ion Ratio Lower Upper

83 100

55 79.9 40.6 121.8

98 46.1 23.5 70.5



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

20000

15000

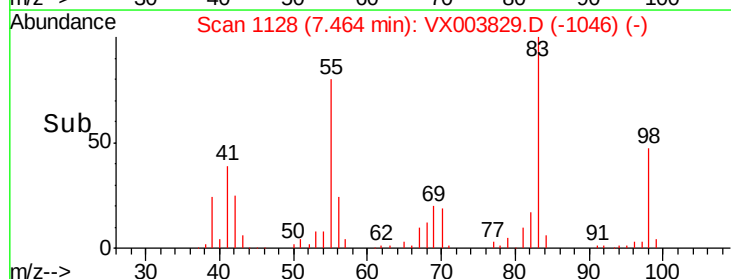
10000

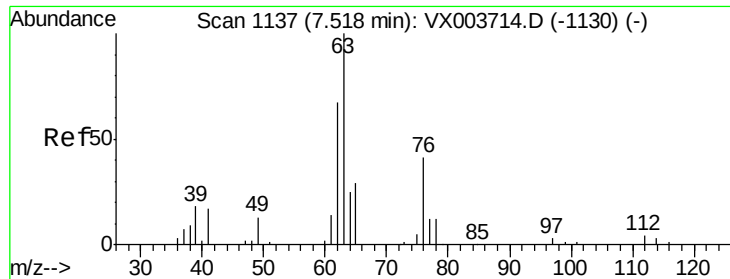
5000

0

Time-->

7.40 7.45 7.50 7.55





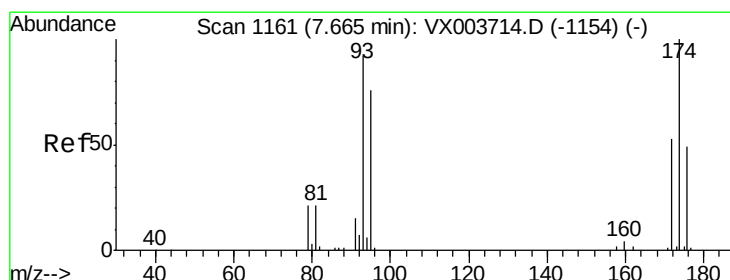
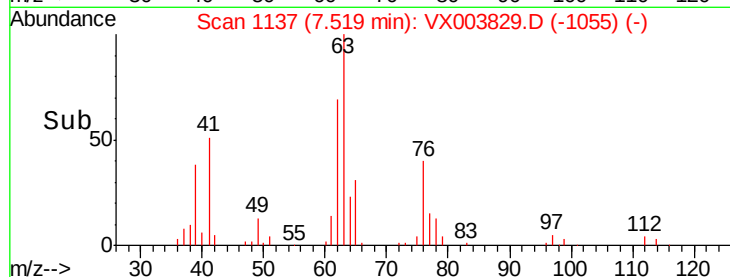
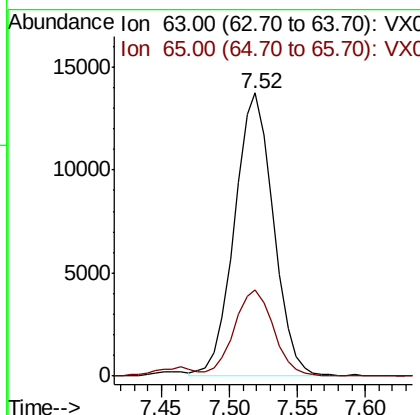
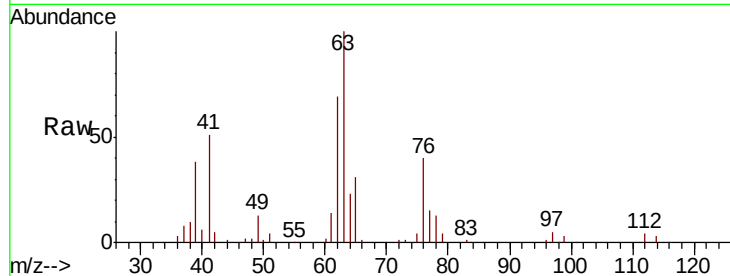
#39
 1,2-Dichloropropane
 Concen: 20.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.3	34.9

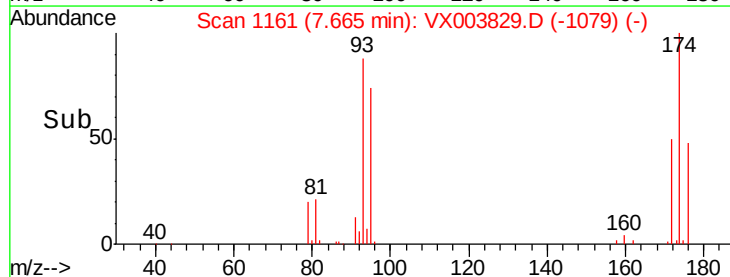
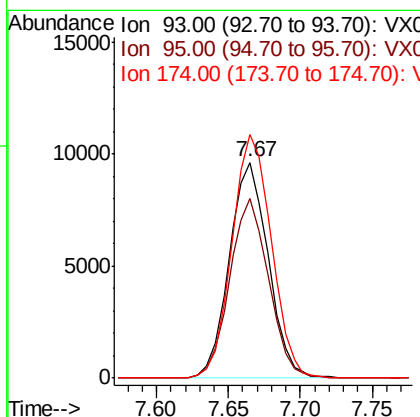
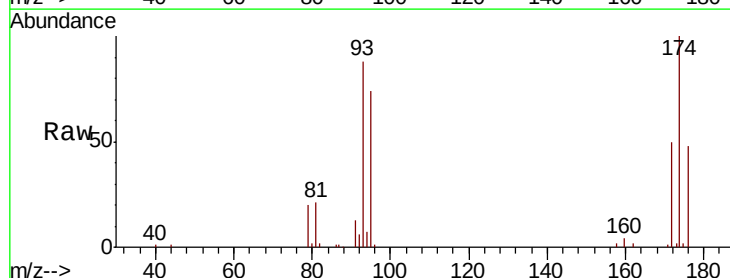
Manual Integrations
 APPROVED

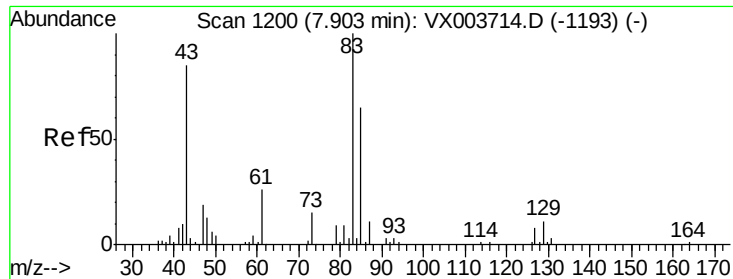
MMDadoda
 8/3/2018 9:48:39 AM



#40
 Dibromomethane
 Concen: 21.27 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	162.6
174	114.0	0.0	229.4





#41

Bromodichloromethane

Concen: 20.31 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

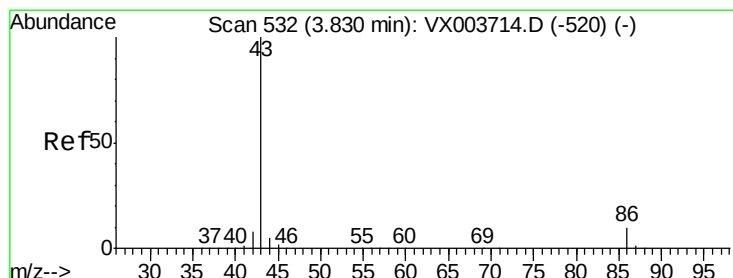
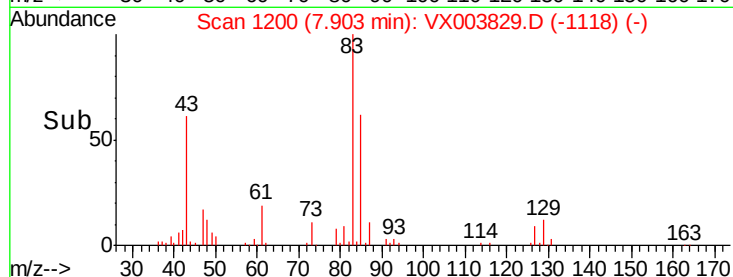
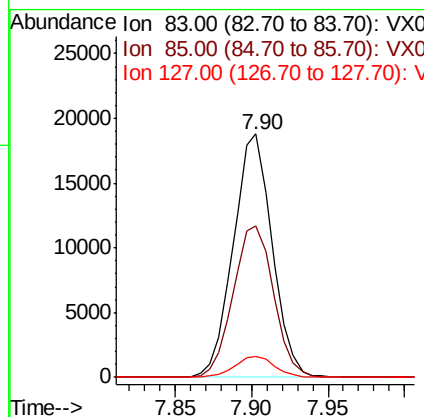
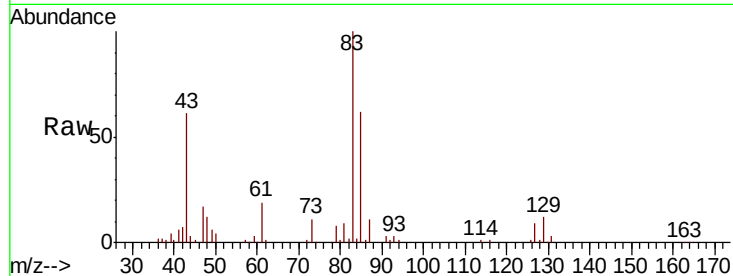
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	33106
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.8	74.8
127	8.7	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#42

Vinyl Acetate

Concen: 88.08 ug/l

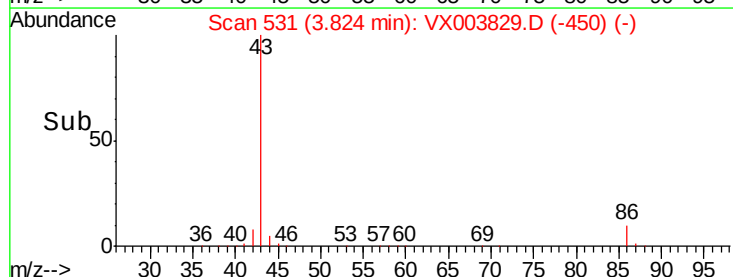
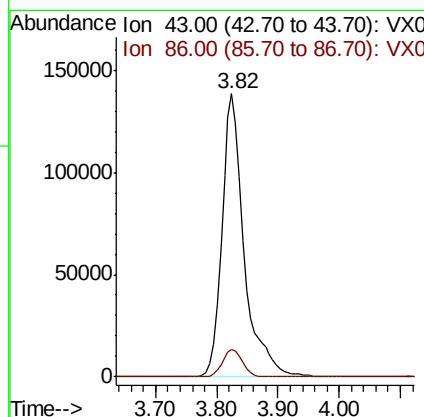
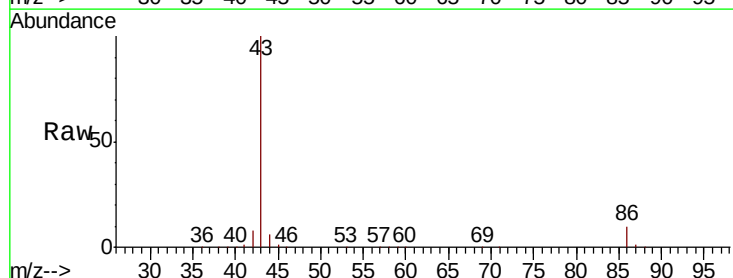
RT: 3.82 min Scan# 531

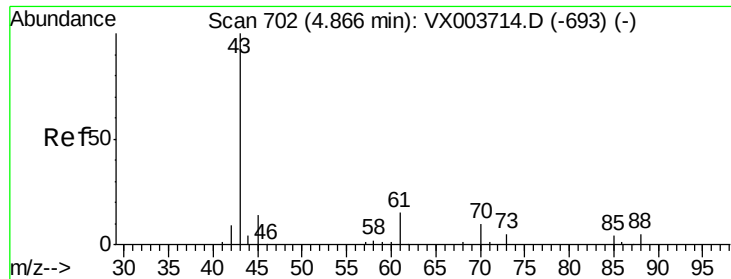
Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	43	Resp:	350958
Ion Ratio	Lower	Upper	
43	100		
86	8.9	6.7	10.1





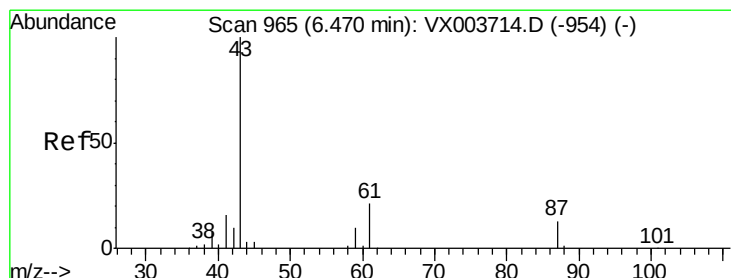
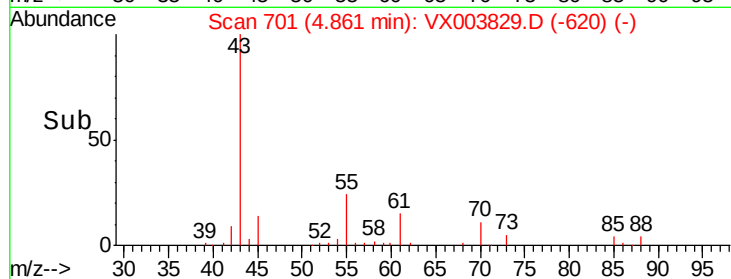
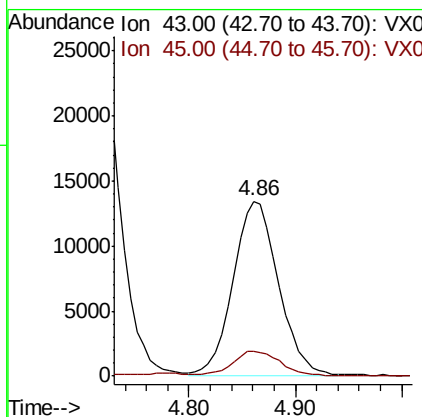
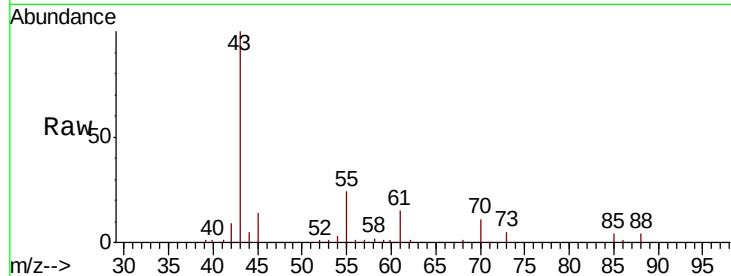
#43
Ethyl Acetate
Concen: 20.89 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	15.1	11.0	16.4	

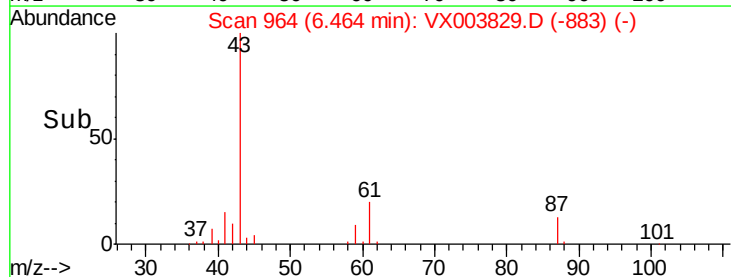
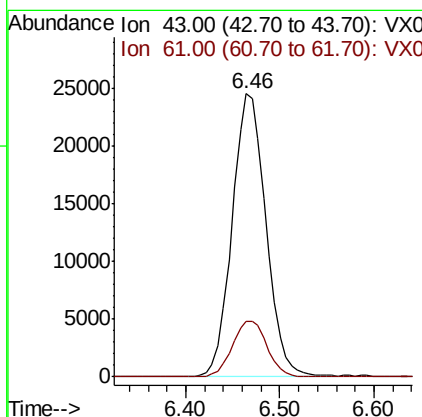
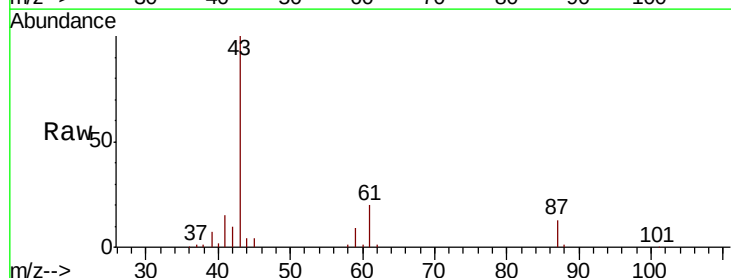
Manual Integrations
APPROVED

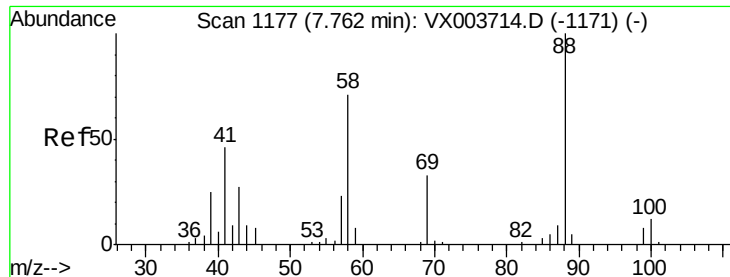
MMDadoda
8/3/2018 9:48:39 AM



#44
Isopropyl Acetate
Concen: 20.70 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	20.1	14.5	21.7	





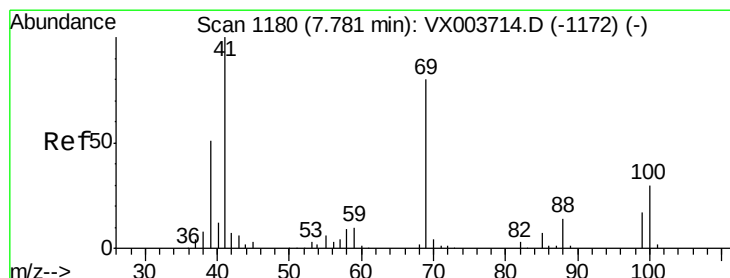
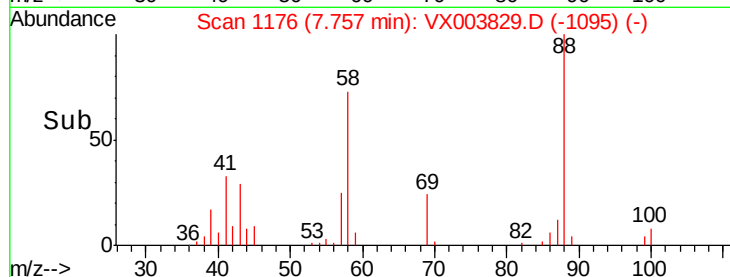
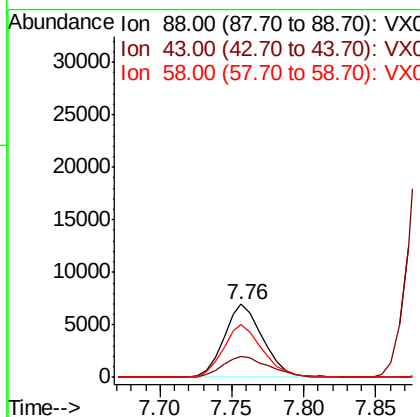
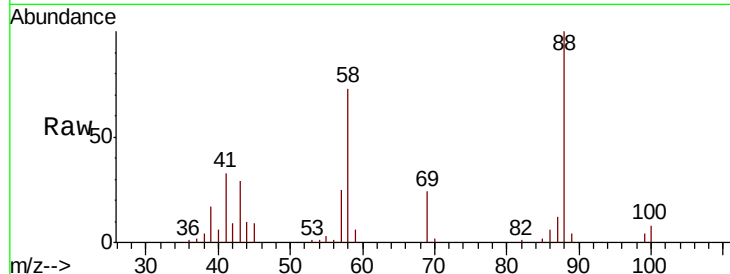
#45
 1,4-Dioxane
 Concen: 396.84 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	43.2	64.8#
58	73.1	60.2	90.2

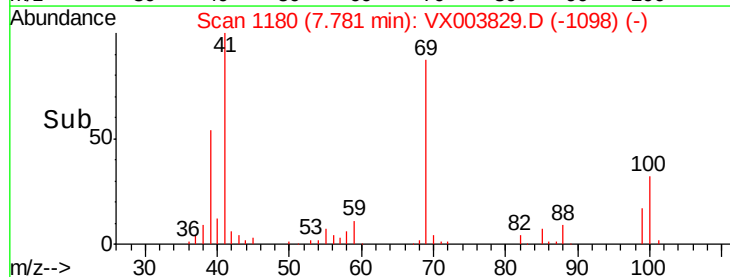
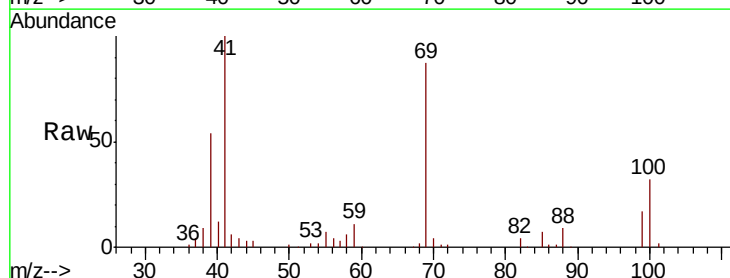
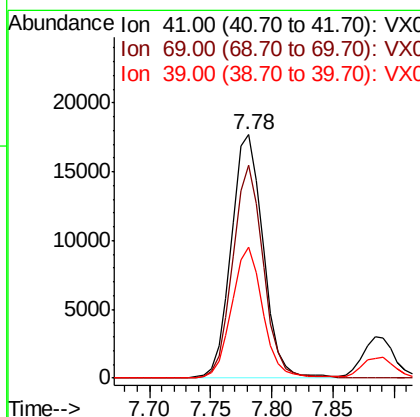
Manual Integrations
 APPROVED

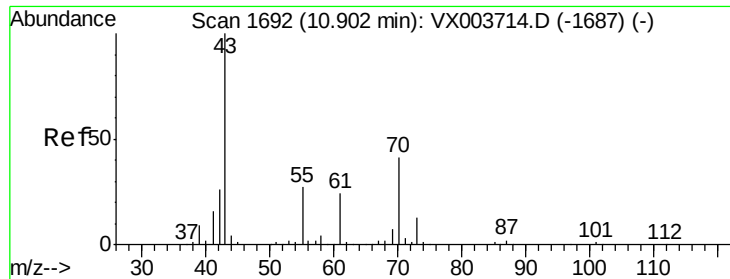
MMDadoda
 8/3/2018 9:48:39 AM



#46
 Methyl methacrylate
 Concen: 20.92 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.4	37.0	110.9
39	53.7	29.6	88.9





#47

n-amvl Acetate

Concen: 18.70 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 52444

Ion Ratio Lower Upper

43 100

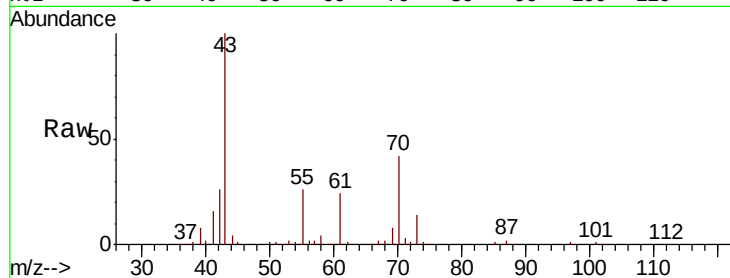
55 26.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

50000

40000

30000

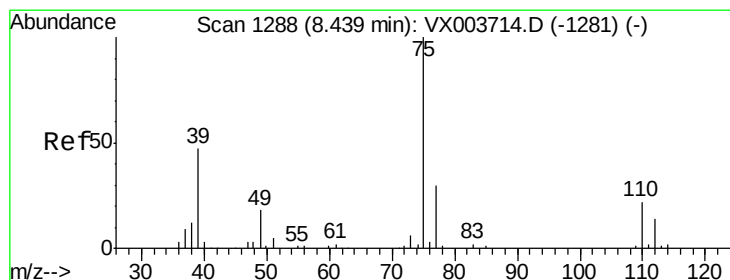
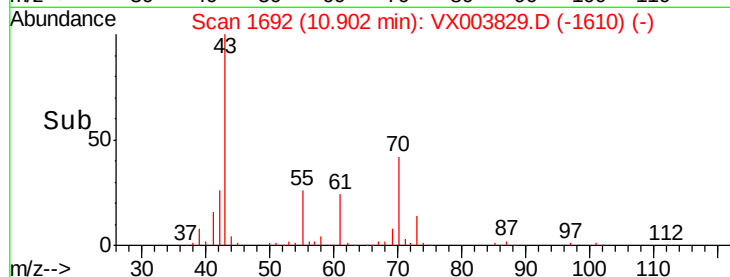
20000

10000

0

Time-->

10.85 10.90 10.95



#48

t-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003829.D

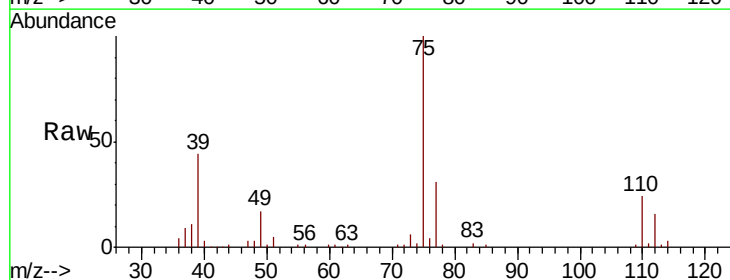
Acq: 02 Aug 2018 17:33

Tgt Ion: 75 Resp: 39732

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.44

30000

25000

20000

15000

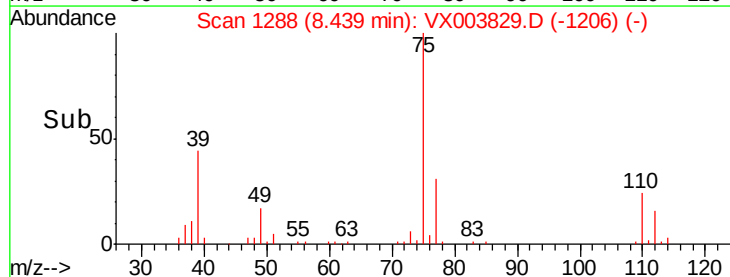
10000

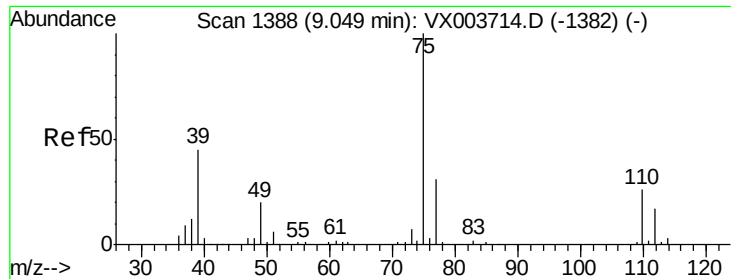
5000

0

Time-->

8.35 8.40 8.45 8.50





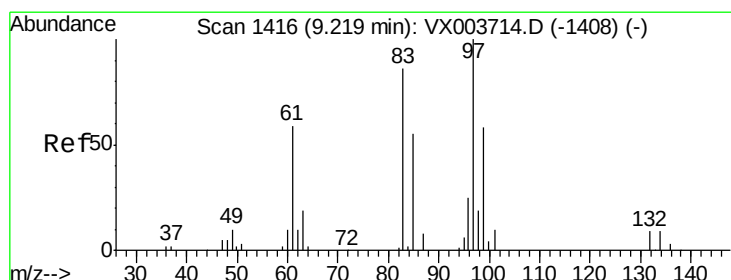
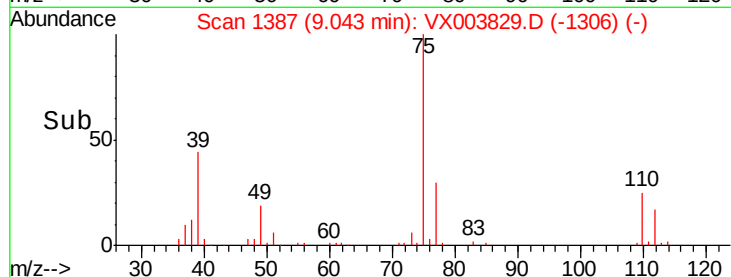
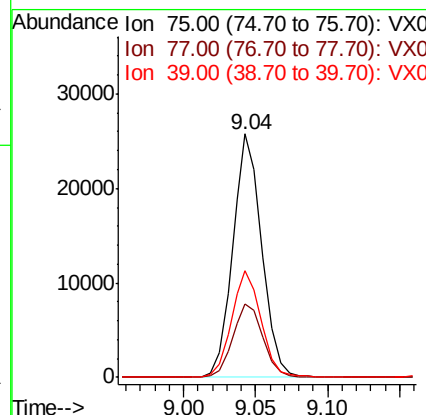
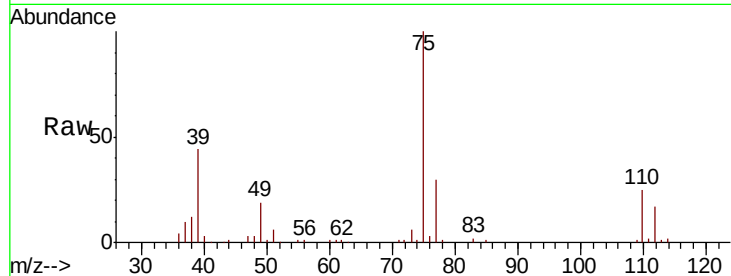
#49
 cis-1,3-Dichloropropene
 Concen: 19.58 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2
39	44.0	42.3	63.5

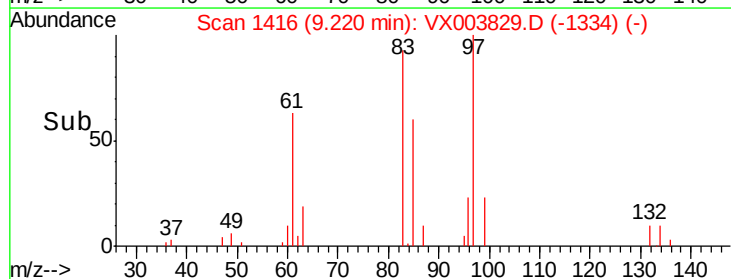
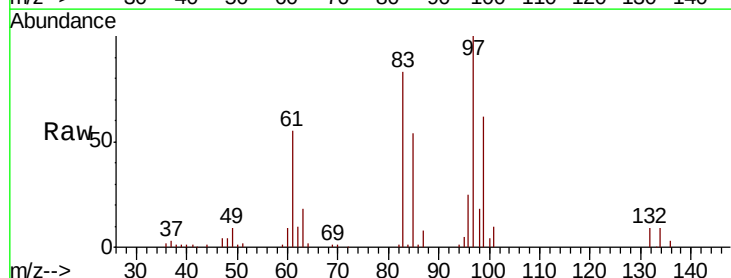
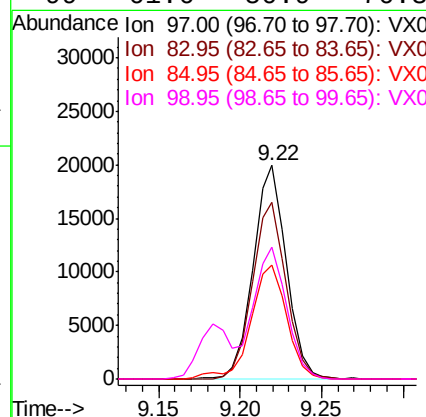
Manual Integrations
 APPROVED

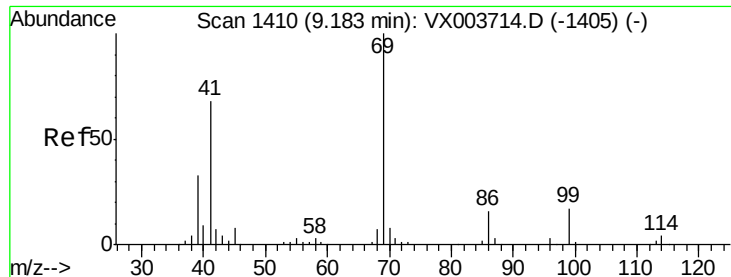
MMDadoda
 8/3/2018 9:48:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.79 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.8	106.2
85	53.6	43.5	65.3
99	61.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.04 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

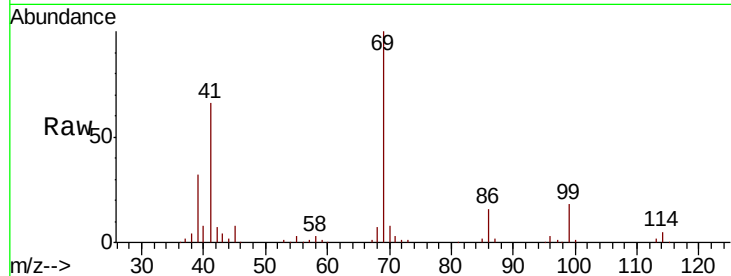
ClientSampleId :

VSTDCCC020EC

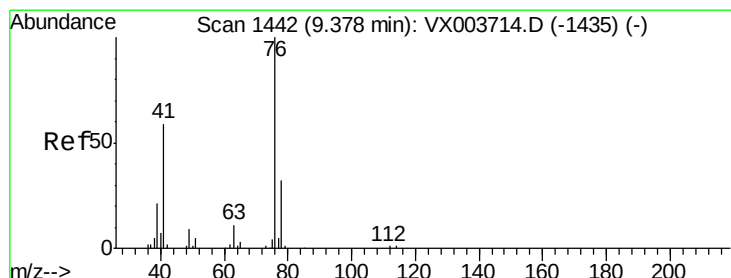
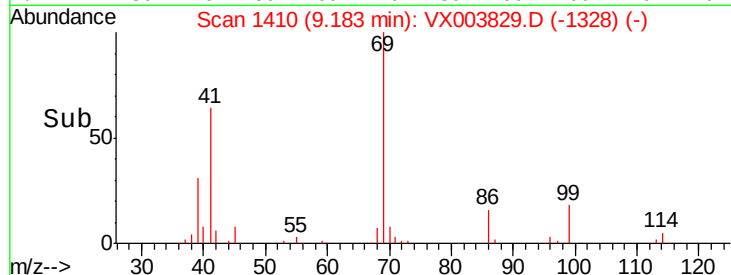
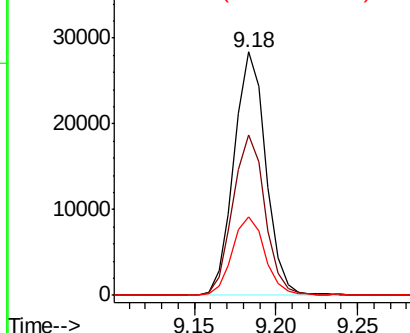
Tot Ion:	69	Resp:	38828
Ion Ratio	Lower	Upper	
69	100		
41	65.9	39.1	117.3
39	32.4	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



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



#52

1,3-Dichloropropane

Concen: 20.27 ug/l

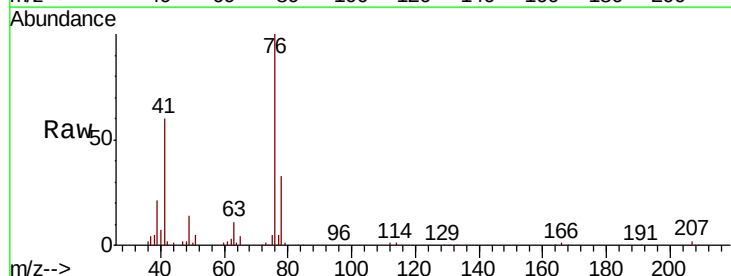
RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

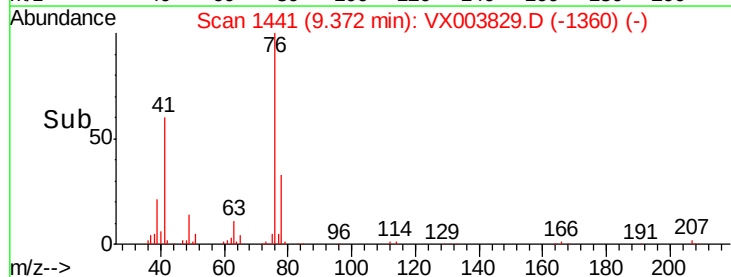
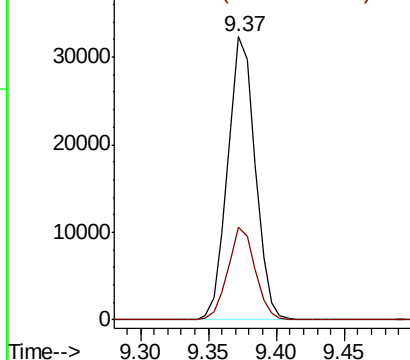
Lab File: VX003829.D

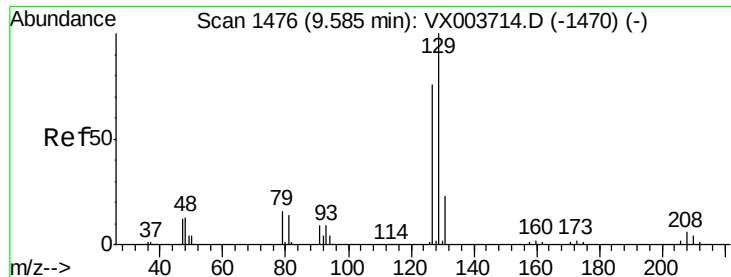
Acq: 02 Aug 2018 17:33

Tgt Ion:	76	Resp:	45684
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





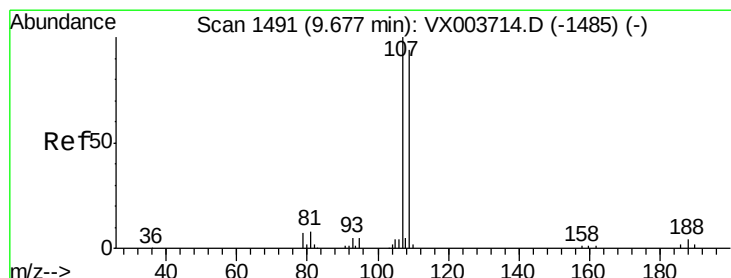
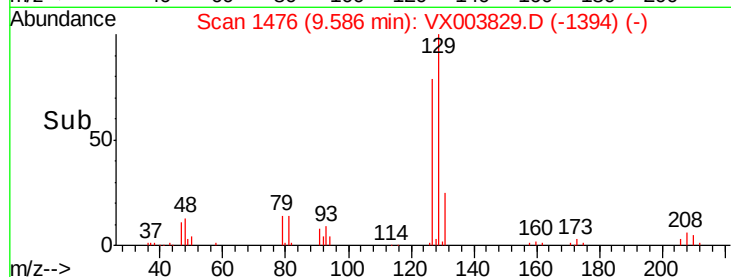
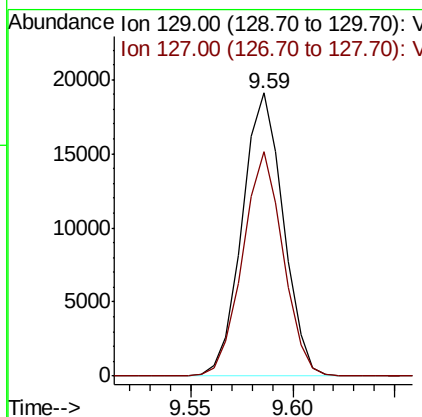
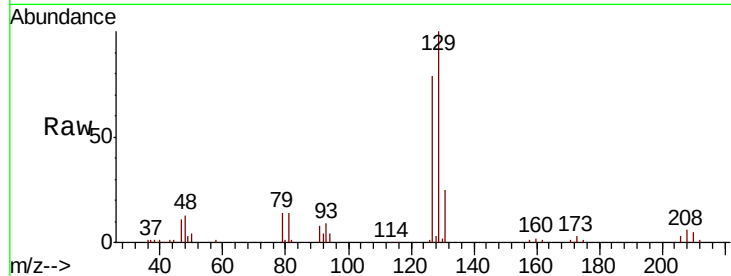
#53
 Dibromochloromethane
 Concen: 20.11 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3

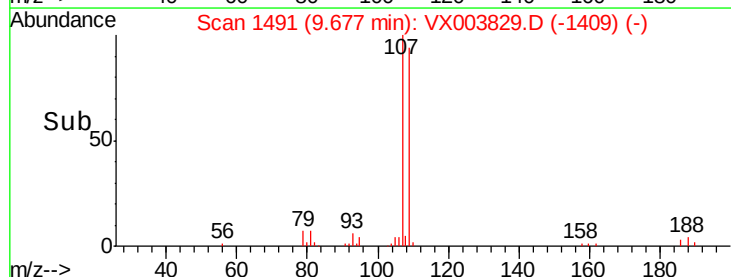
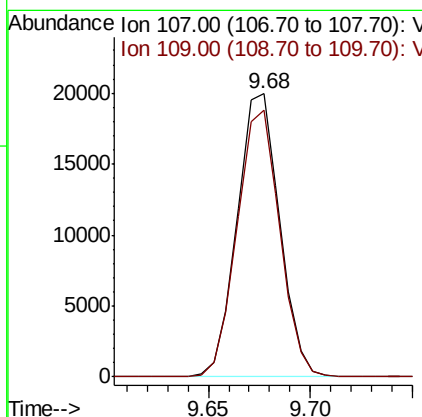
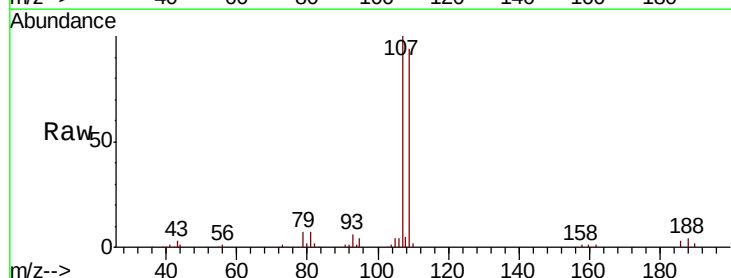
Manual Integrations
 APPROVED

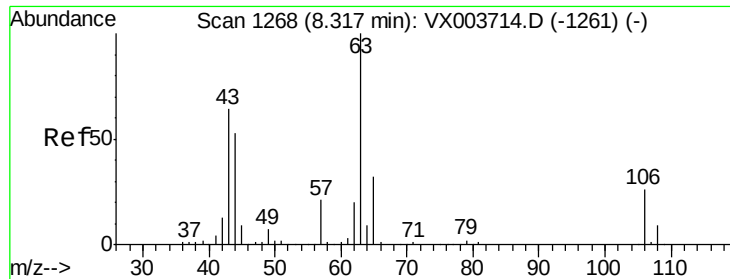
MMDadoda
 8/3/2018 9:48:39 AM



#54
 1,2-Dibromoethane
 Concen: 20.40 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.5	113.3





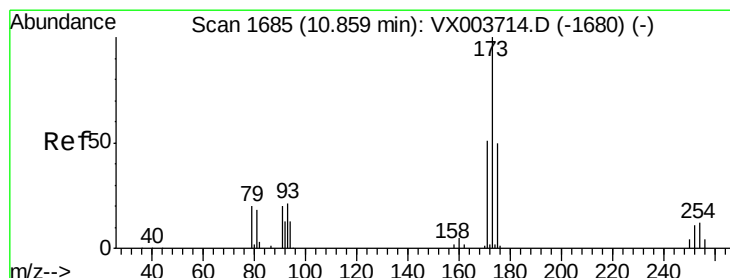
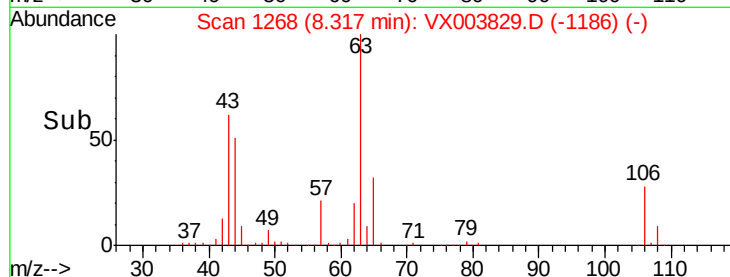
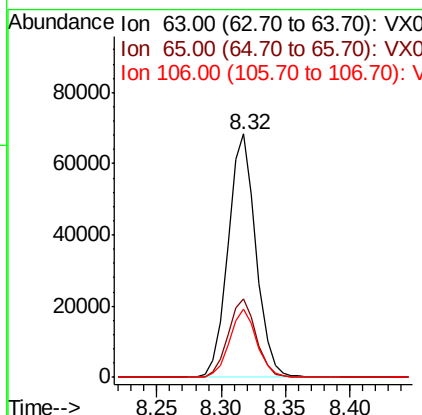
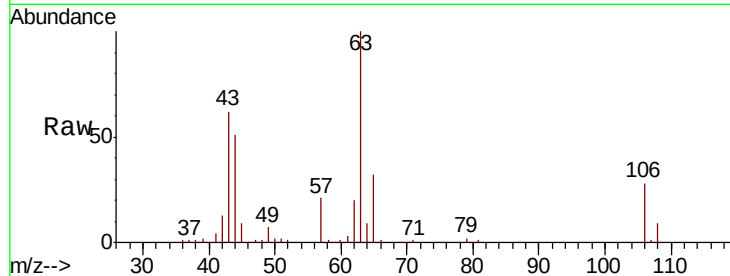
#55
2-Chloroethyl vinyl ether
Concen: 98.16 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	27.4	21.6	32.4

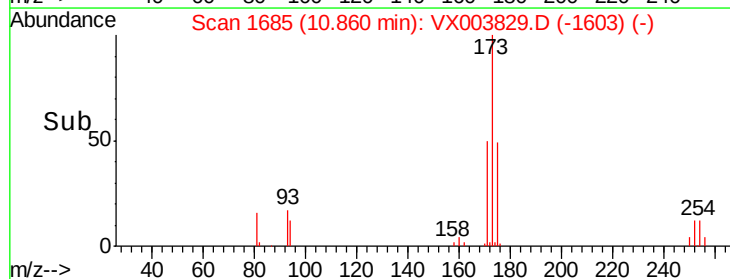
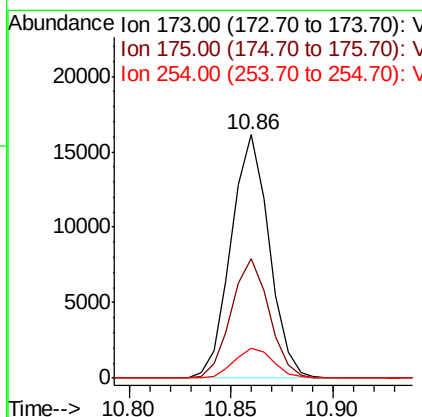
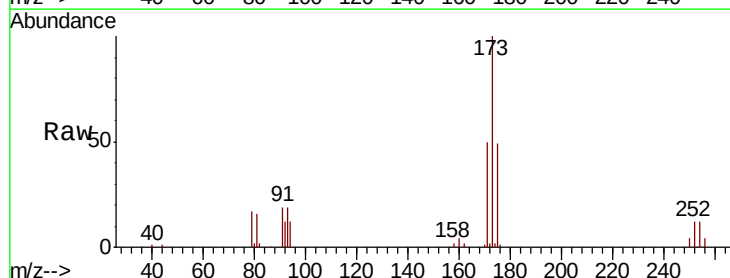
Manual Integrations
APPROVED

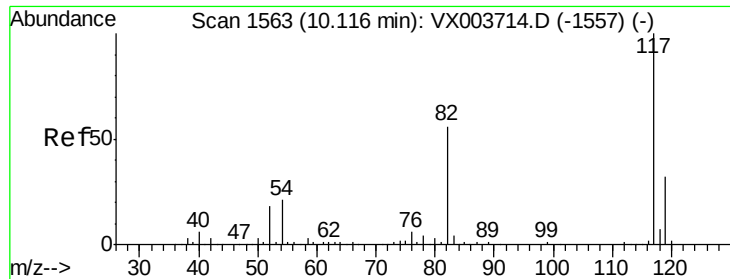
MMDadoda
8/3/2018 9:48:39 AM



#56
Bromoform
Concen: 20.22 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	12.6	9.6	14.4





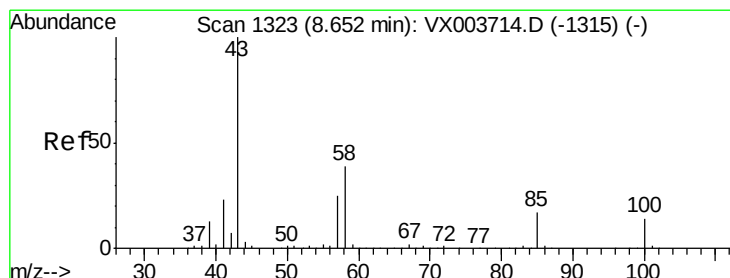
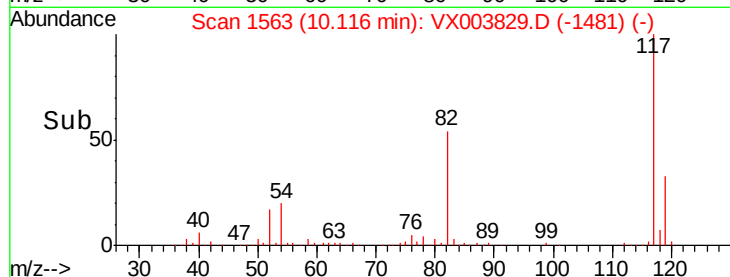
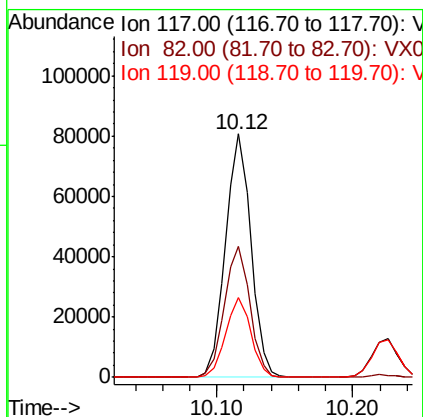
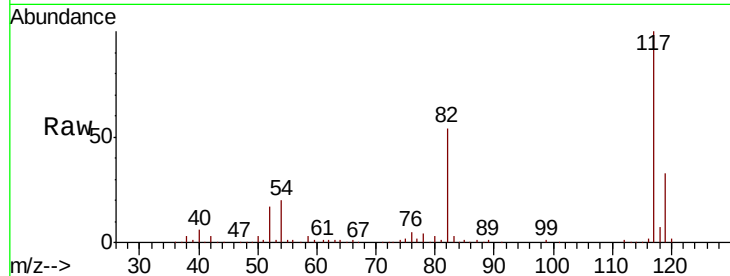
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.3	66.5
119	32.3	25.7	38.5

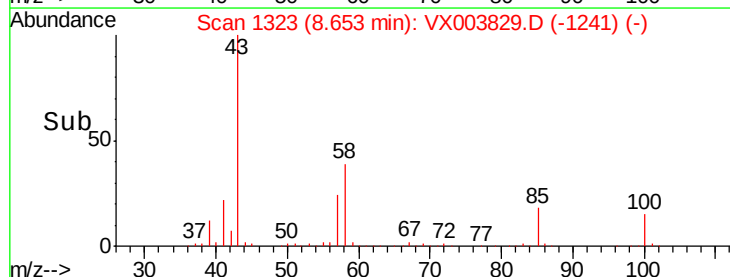
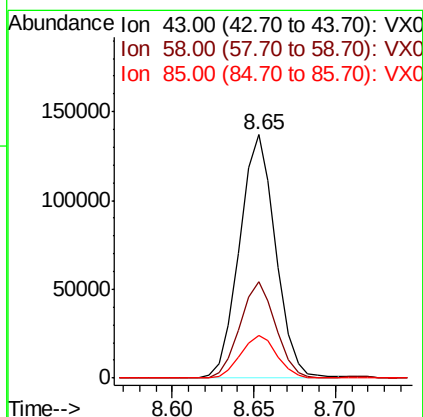
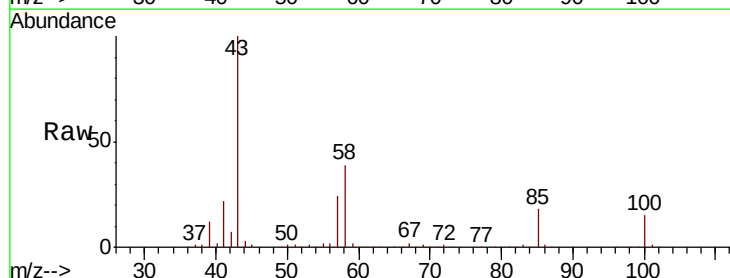
Manual Integrations
APPROVED

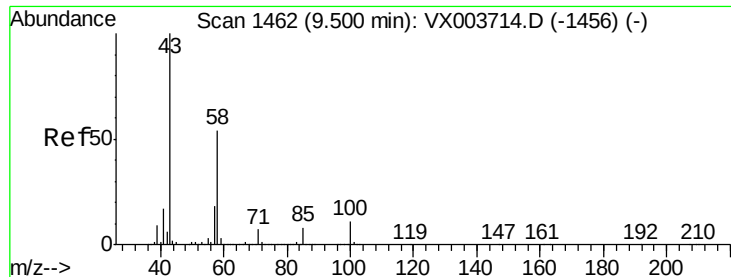
MMDadoda
8/3/2018 9:48:39 AM



#58
4-Methyl-2-Pentanone
Concen: 106.55 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	28.2	42.4
85	17.5	12.4	18.6





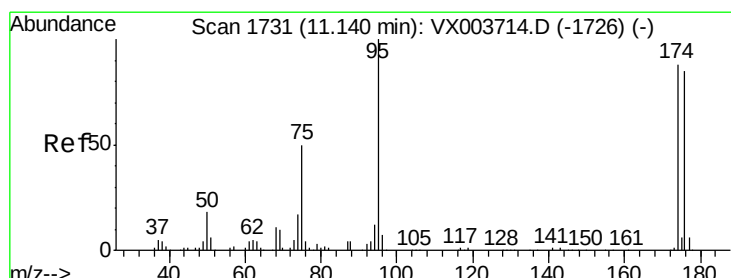
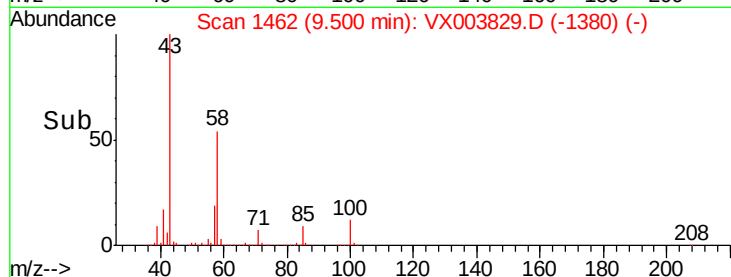
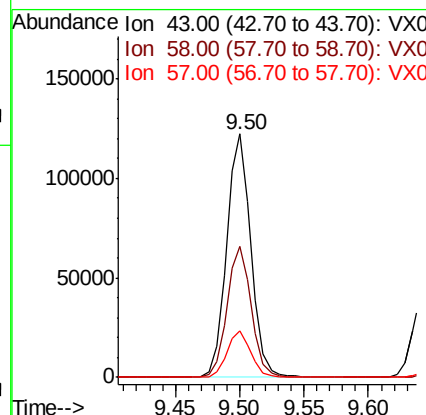
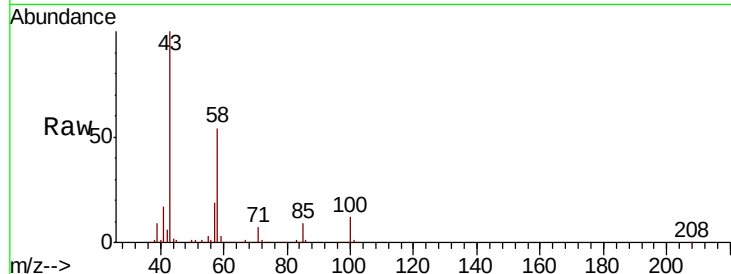
#59
2-Hexanone
Concen: 102.79 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	39.6	59.4
57	18.8	14.1	21.1

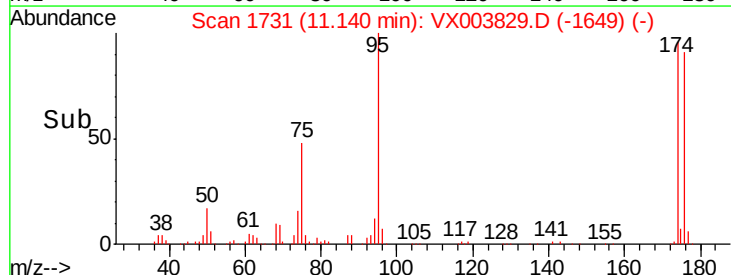
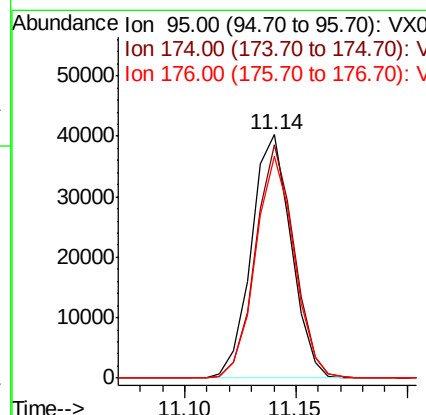
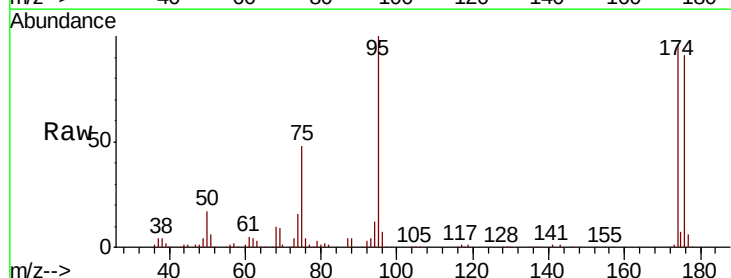
Manual Integrations
APPROVED

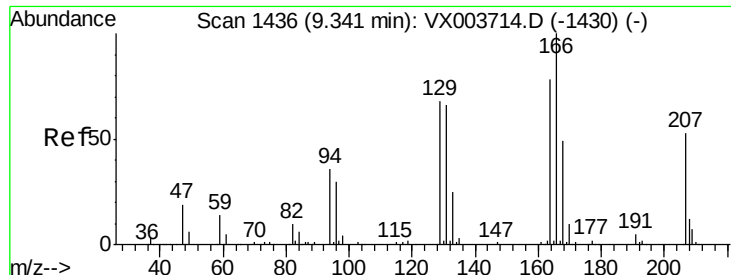
MMDadoda
8/3/2018 9:48:39 AM



#60
4-Bromofluorobenzene
Concen: 29.83 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	71.8	107.6
176	88.9	70.1	105.1





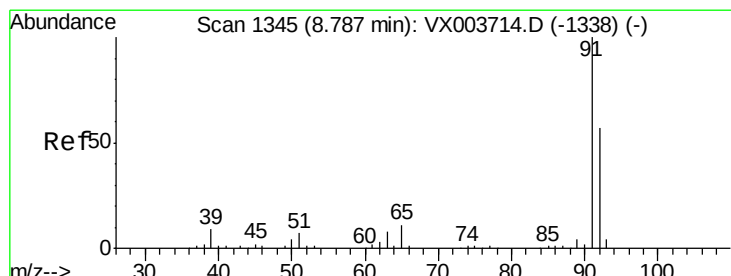
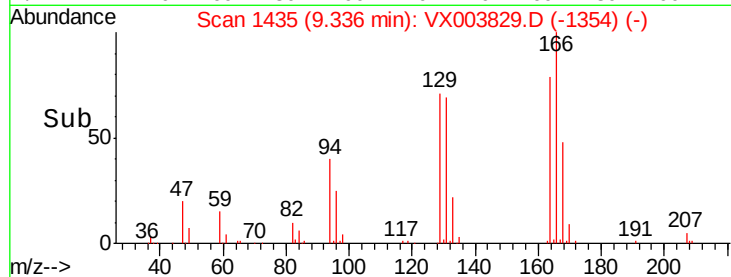
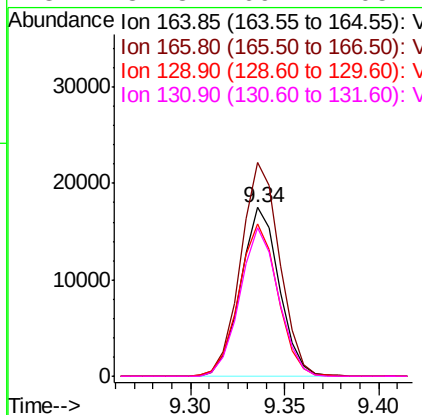
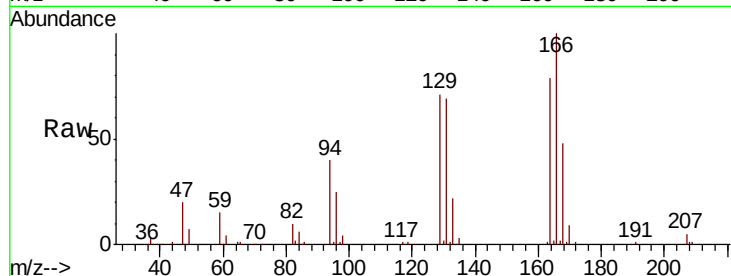
#61
 Tetrachloroethene
 Concen: 20.30 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion:	164	Resp:	24806
Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.4	153.6
129	90.2	70.1	105.1
131	87.8	69.1	103.7

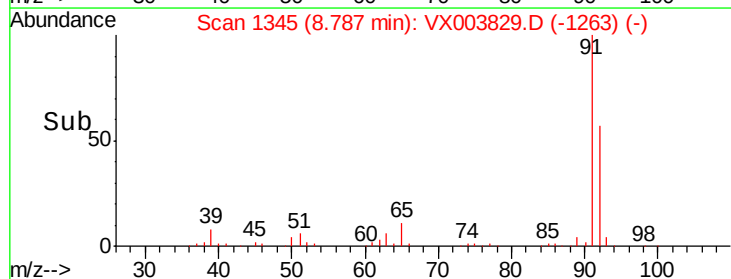
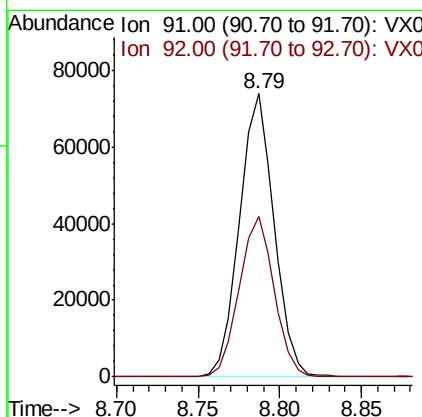
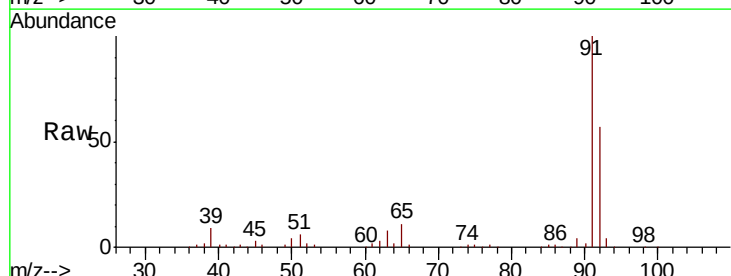
Manual Integrations
 APPROVED

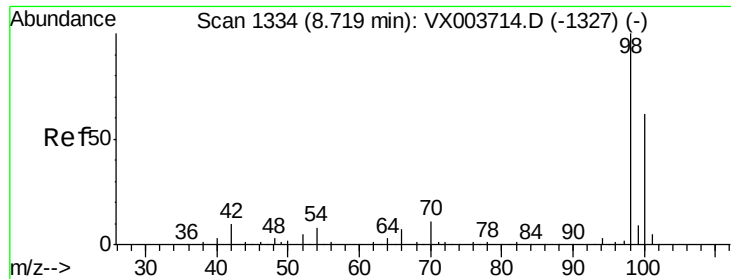
MMDadoda
 8/3/2018 9:48:39 AM



#62
 Toluene
 Concen: 20.07 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion:	91	Resp:	109353
Ion	Ratio	Lower	Upper
91	100		
92	57.3	46.5	69.7





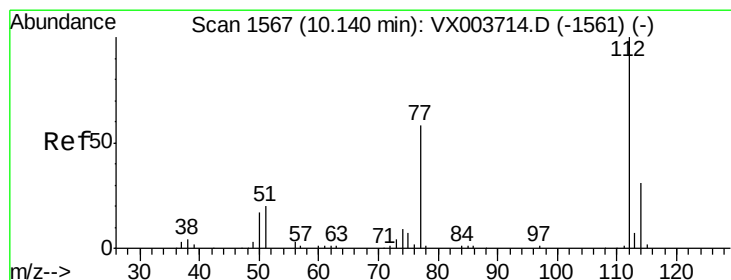
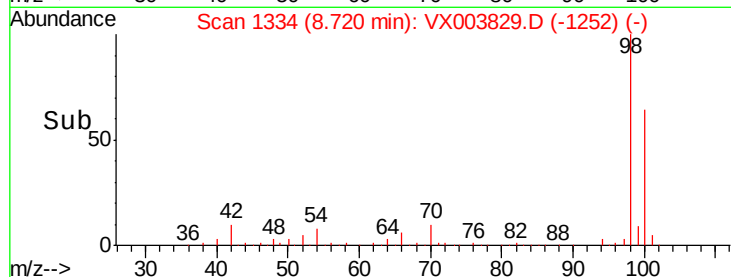
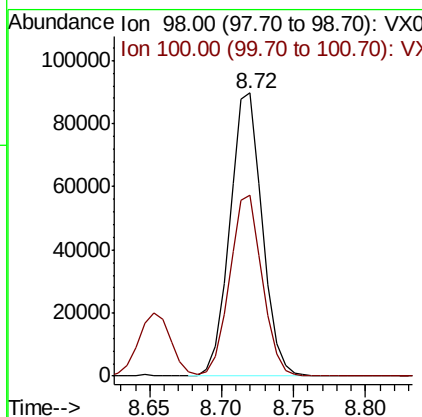
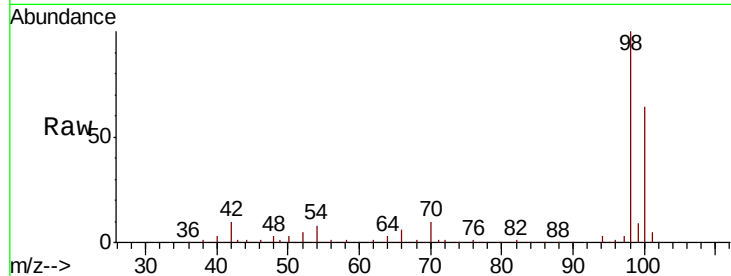
#63
Toluene-d8
Concen: 29.75 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 140718
Ion Ratio Lower Upper
98 100
100 64.5 50.8 76.2

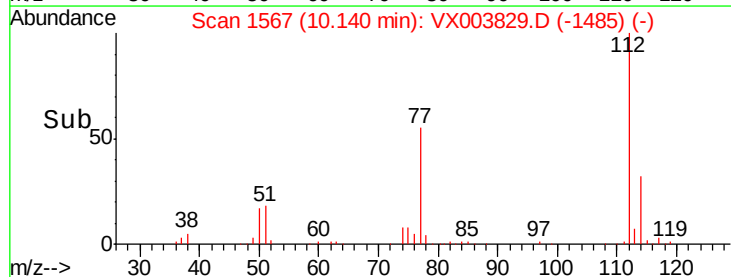
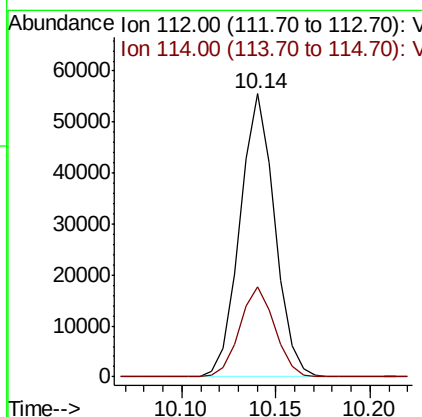
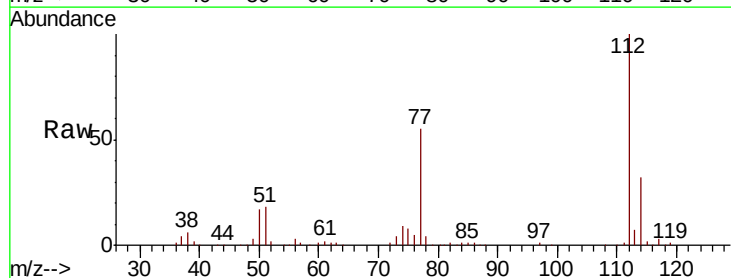
Manual Integrations
APPROVED

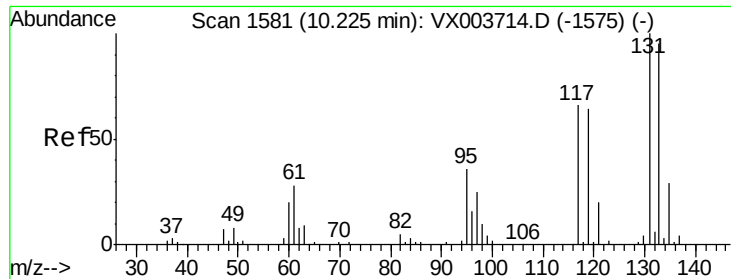
MMDadoda
8/3/2018 9:48:39 AM



#64
Chlorobenzene
Concen: 20.26 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 112 Resp: 71349
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





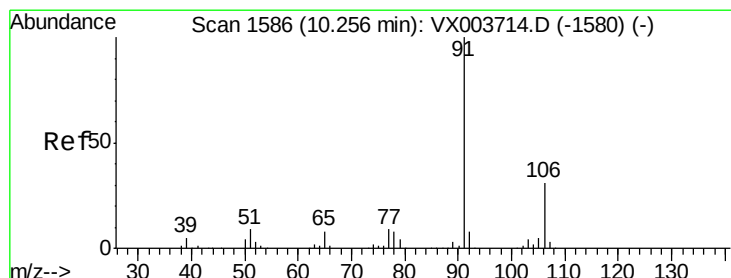
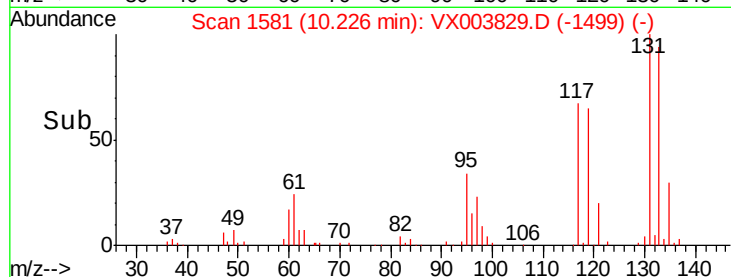
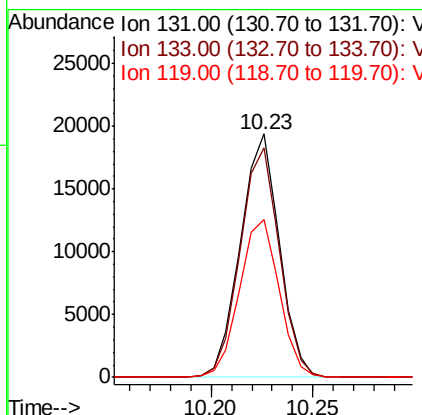
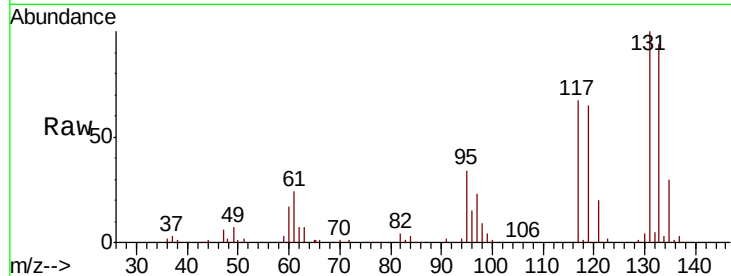
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.66 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.2
119	65.9	0.0	125.4

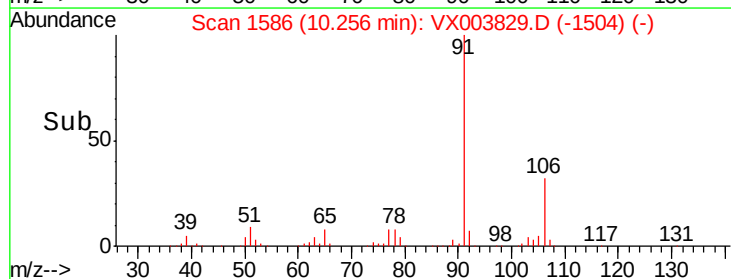
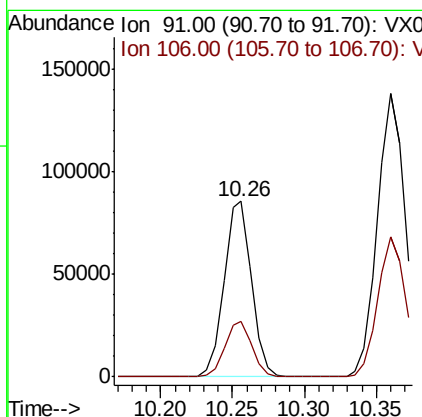
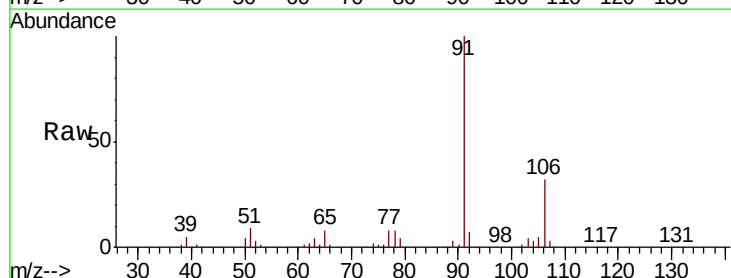
Manual Integrations
 APPROVED

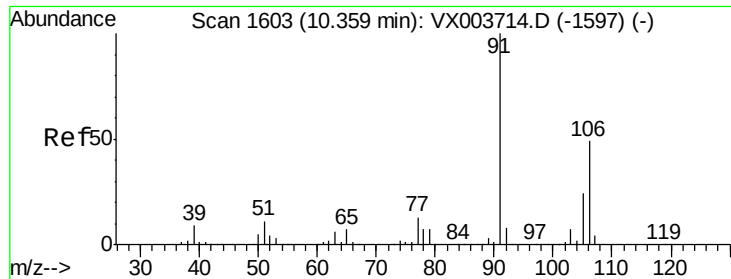
MMDadoda
 8/3/2018 9:48:39 AM



#66
 Ethyl Benzene
 Concen: 19.14 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.2	37.8





#67

m/p-Xylenes

Concen: 38.95 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 89971

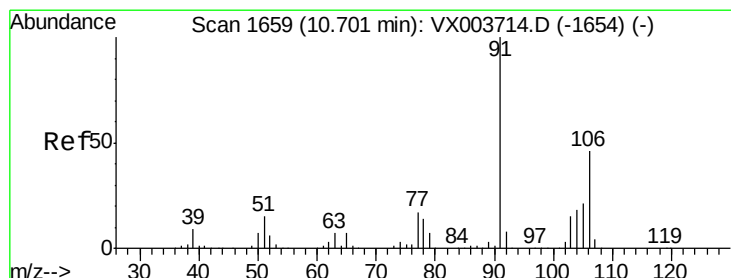
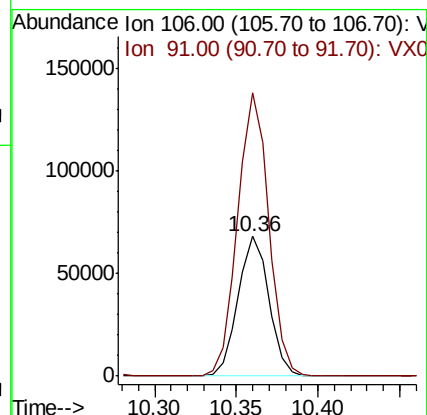
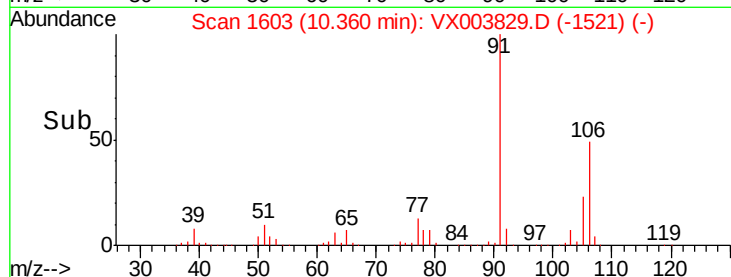
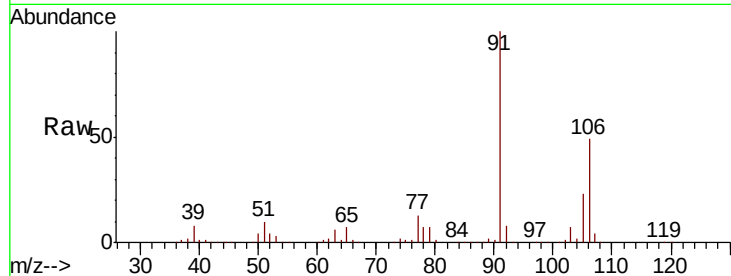
Ion Ratio Lower Upper

106 100

91 203.9 164.1 246.1

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#68

o-Xylene

Concen: 19.66 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003829.D

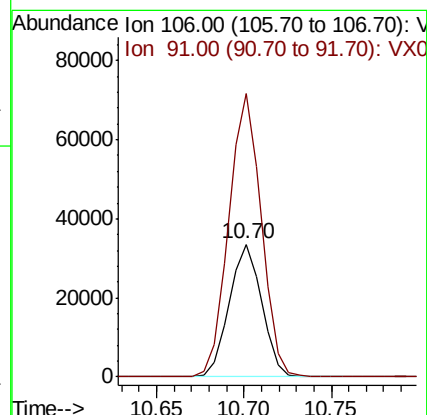
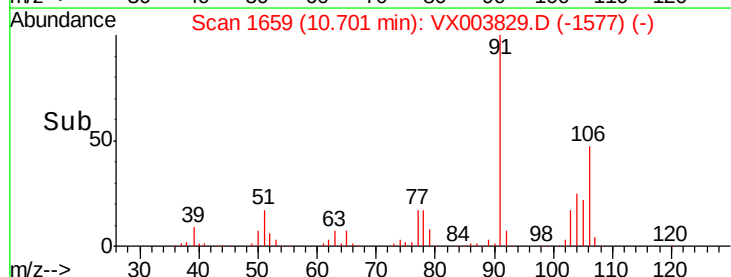
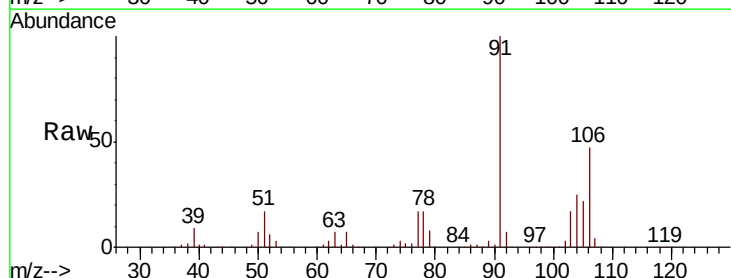
Acq: 02 Aug 2018 17:33

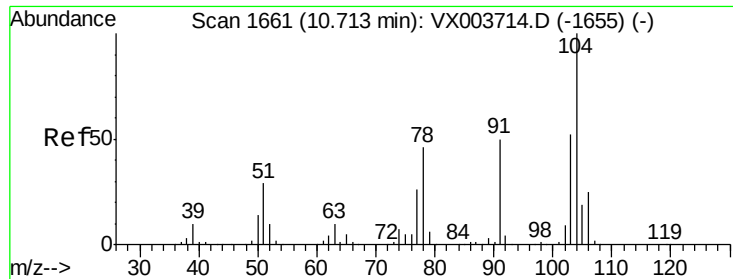
Tgt Ion:106 Resp: 43442

Ion Ratio Lower Upper

106 100

91 212.7 109.1 327.3





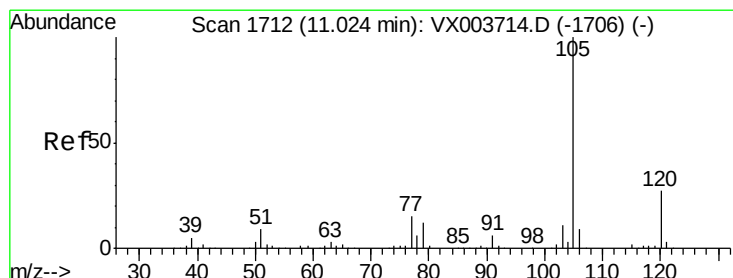
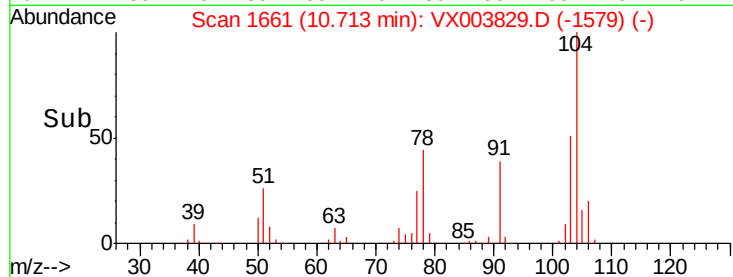
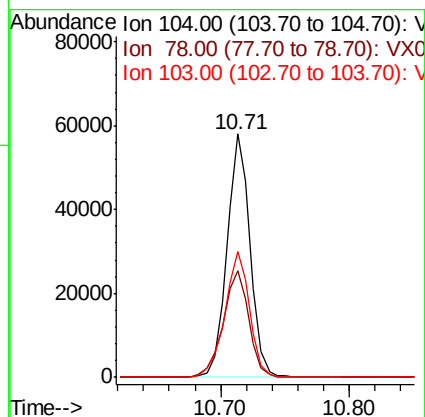
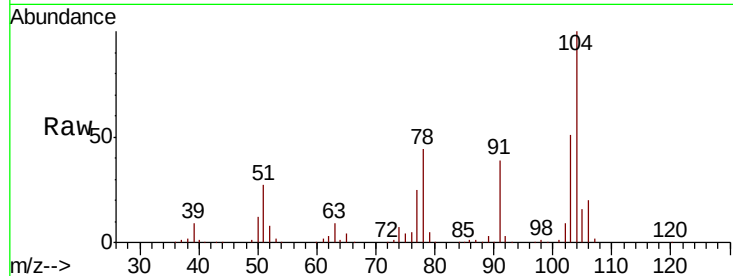
#69
Stvrene
Concen: 19.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.8	62.8
103	55.3	44.9	67.3

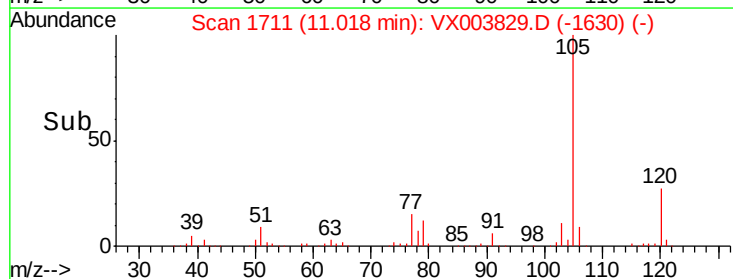
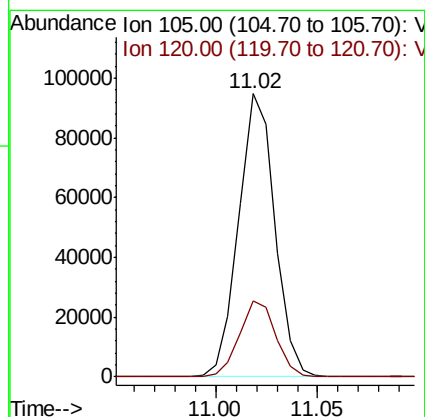
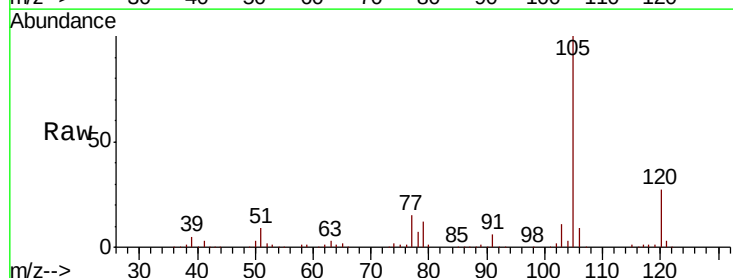
Manual Integrations
APPROVED

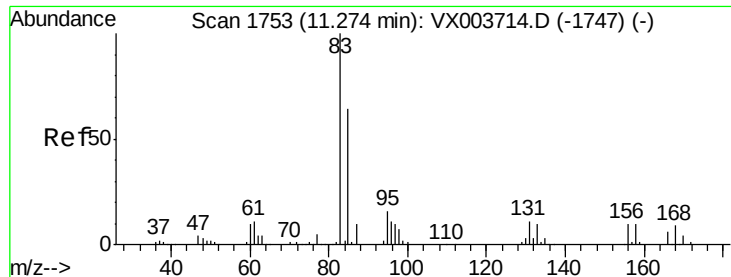
MMDadoda
8/3/2018 9:48:39 AM



#70
Isopropylbenzene
Concen: 19.12 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.0	35.2





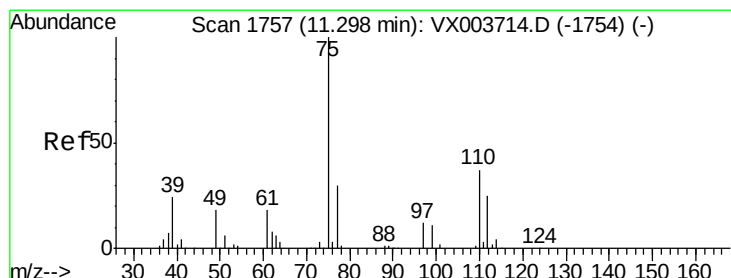
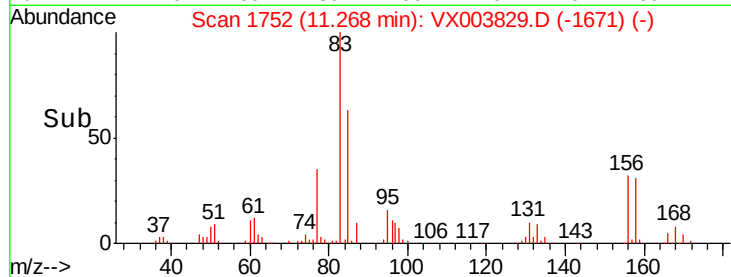
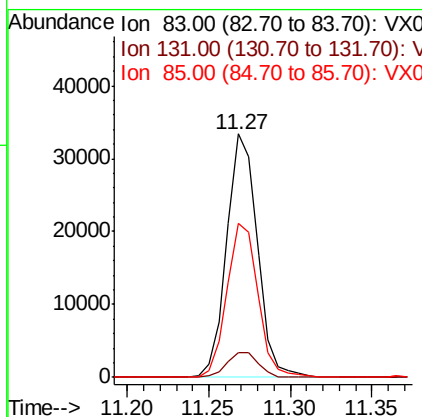
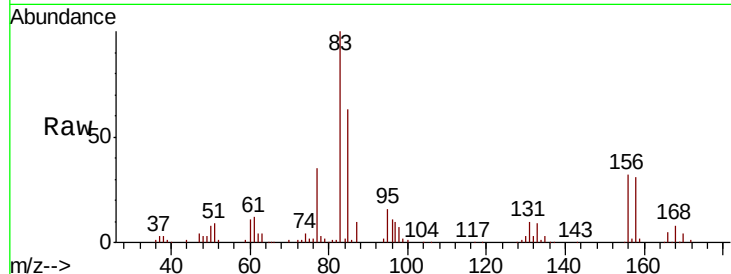
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.19 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	43853
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	64.0	32.4	97.2

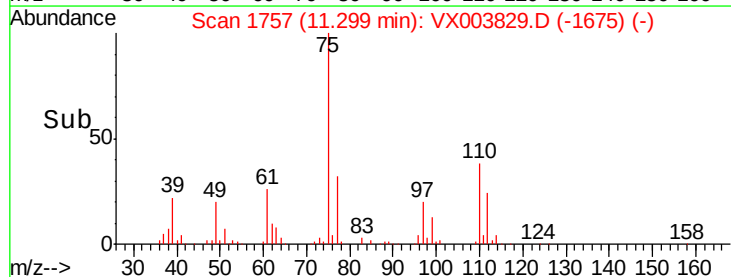
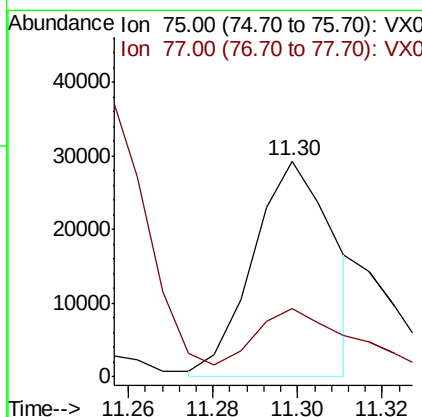
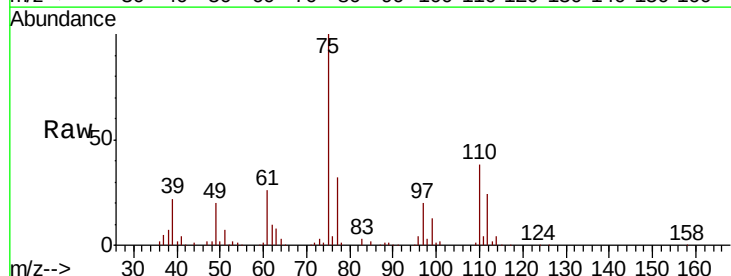
Manual Integrations
 APPROVED

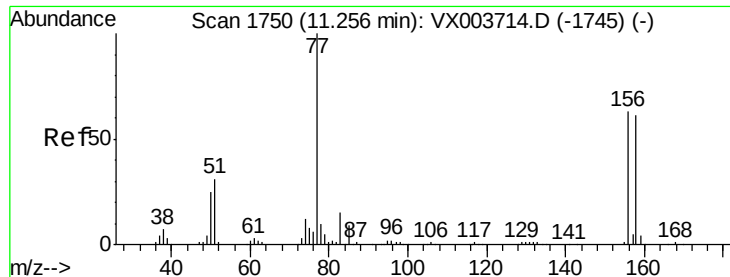
MMDadoda
 8/3/2018 9:48:39 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.48 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	75	Resp	38813
Ion Ratio	100	Lower	Upper
75	100		
77	41.0	0.0	71.8





#73

Bromobenzene

Concen: 19.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

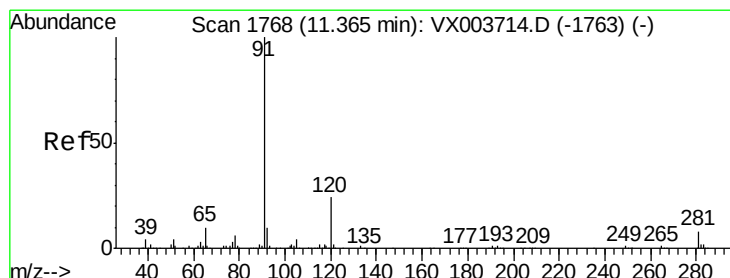
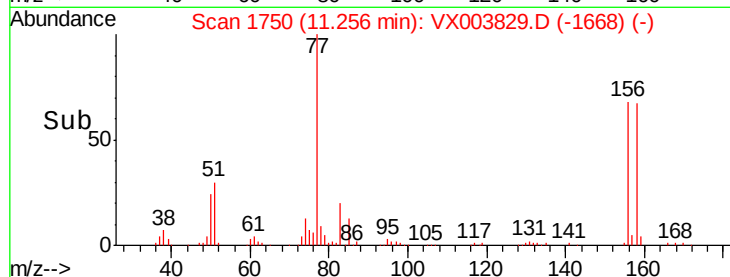
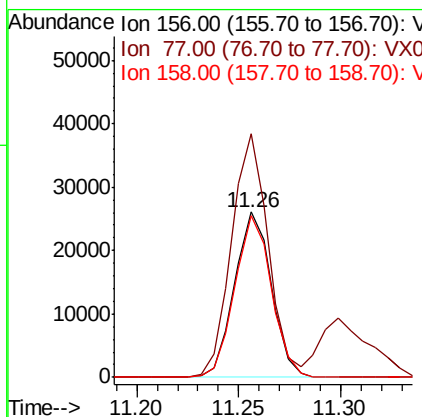
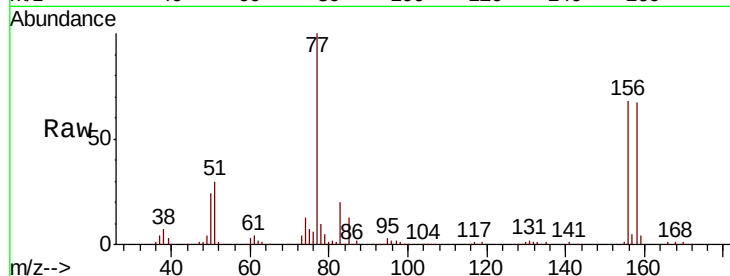
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	32635
Ion	Ratio	Lower	Upper
156	100		
77	146.7	0.0	301.0
158	97.2	0.0	196.2

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#74

n-propylbenzene

Concen: 18.90 ug/l

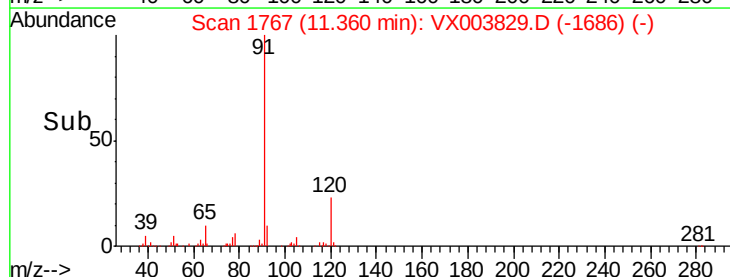
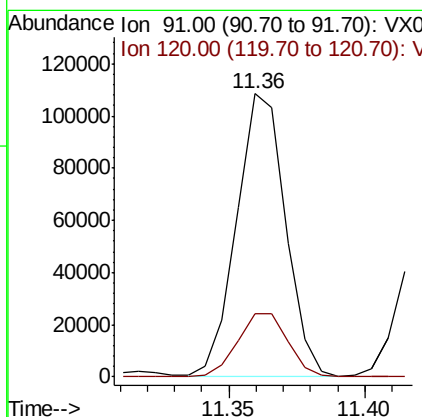
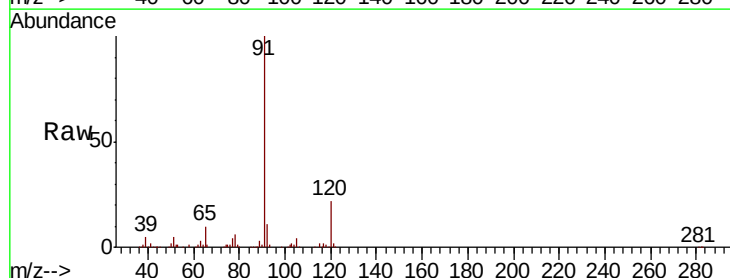
RT: 11.36 min Scan# 1767

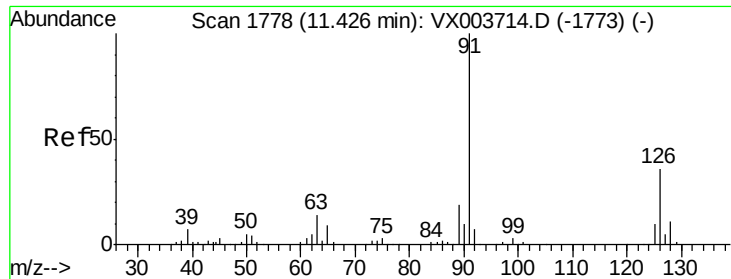
Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	91	Resp:	135432
Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	46.2





#75

2-Chlorotoluene

Concen: 19.30 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 81530

Ion Ratio Lower Upper

91 100

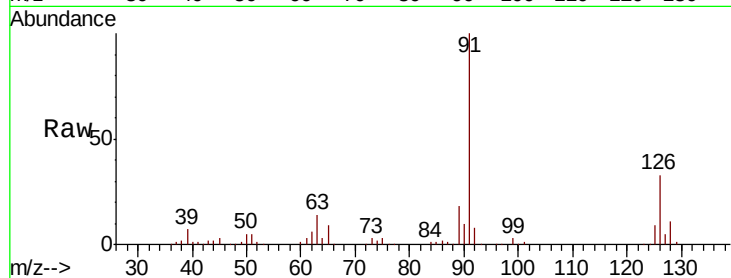
126 34.4 0.0 69.4

Manual Integrations

APPROVED

MMDadoda

8/3/2018 9:48:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX003714.D (-1773) (-)

120000

100000

80000

60000

40000

20000

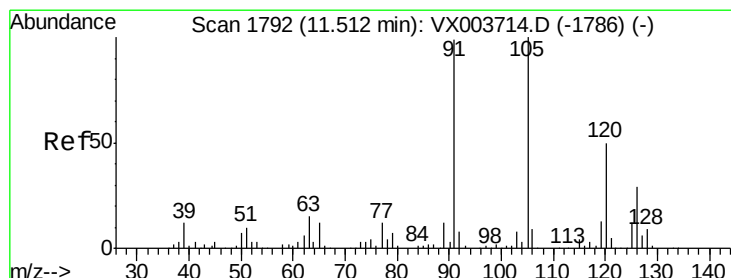
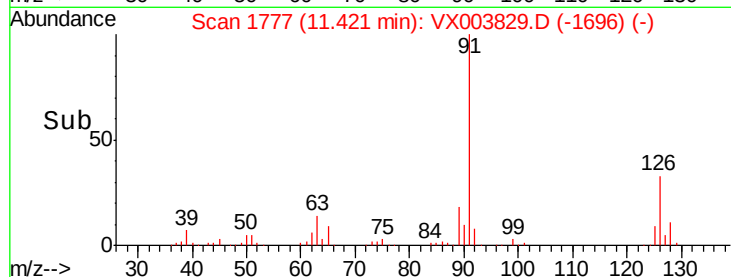
0

11.40

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.10 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003829.D

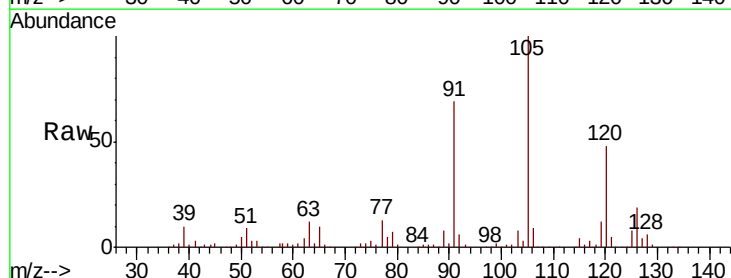
Acq: 02 Aug 2018 17:33

Tgt Ion: 105 Resp: 98616

Ion Ratio Lower Upper

105 100

120 49.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003714.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003714.D (-1786) (-)

80000

60000

40000

20000

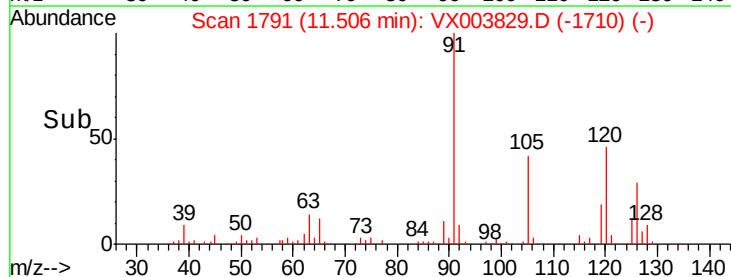
0

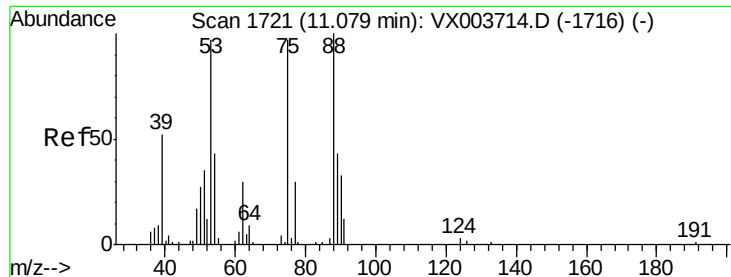
11.45

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.06 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 75 Resp: 11735

Ion Ratio Lower Upper

75 100

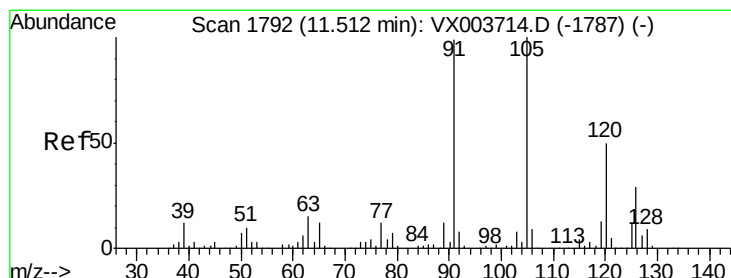
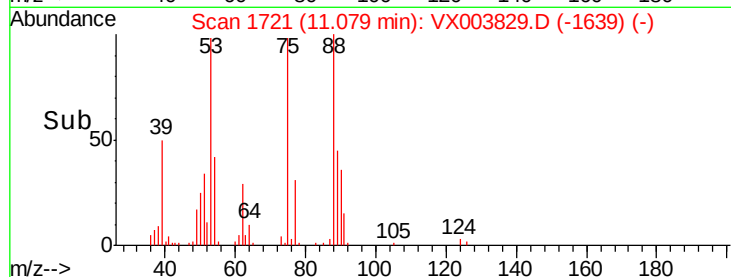
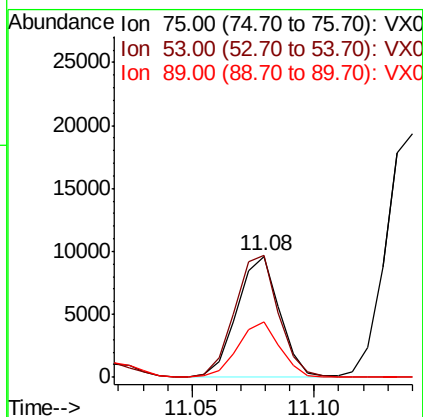
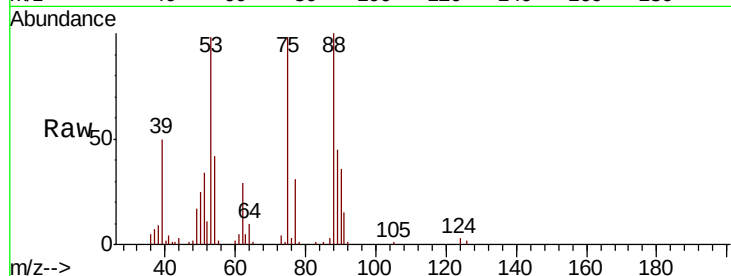
53 99.6 48.3 144.9

89 45.7 21.8 65.4

Manual Integrations
APPROVED

MMDadoda

8/3/2018 9:48:39 AM



#78

4-Chlorotoluene

Concen: 19.05 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003829.D

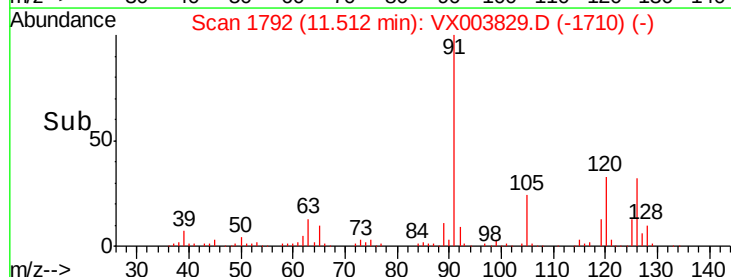
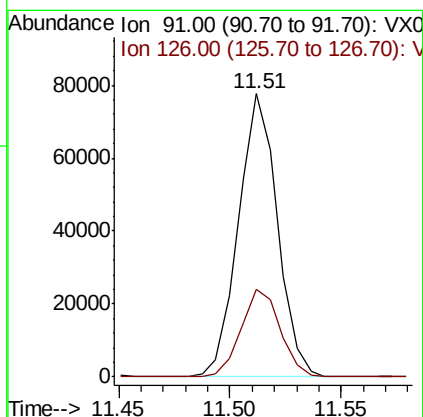
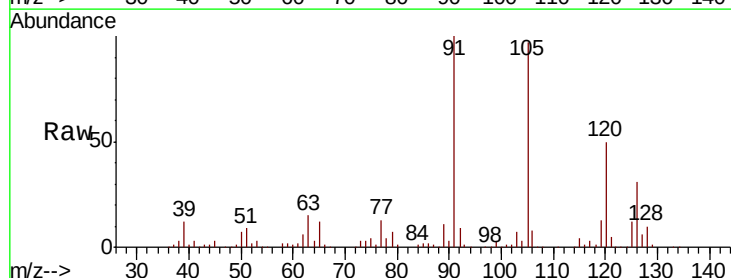
Acq: 02 Aug 2018 17:33

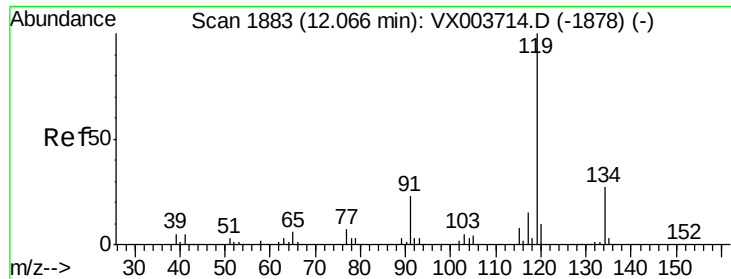
Tgt Ion: 91 Resp: 94138

Ion Ratio Lower Upper

91 100

126 31.3 0.0 61.0





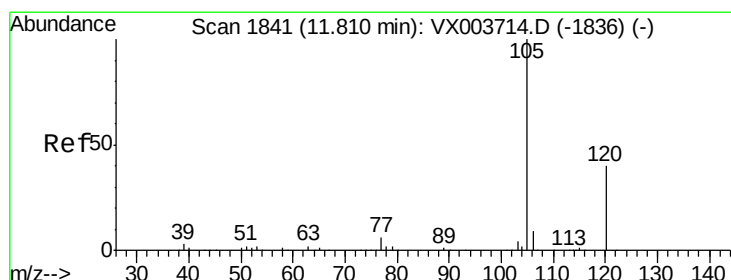
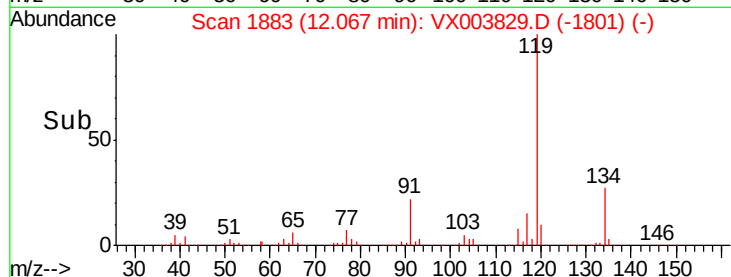
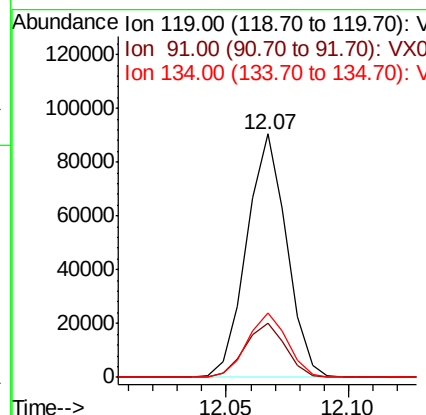
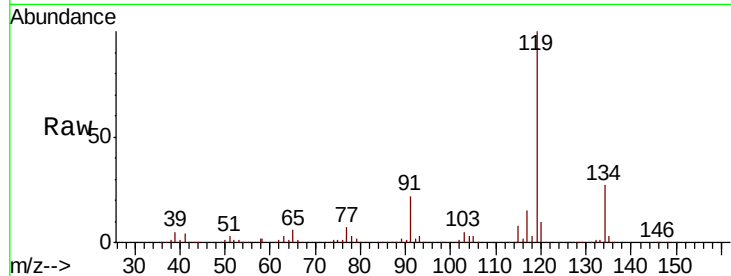
#79
tert-butylbenzene
Concen: 19.33 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102671		
91	22.8	0.0	48.0	
134	26.5	0.0	52.6	

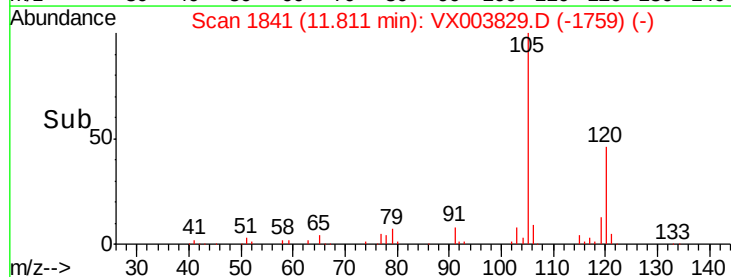
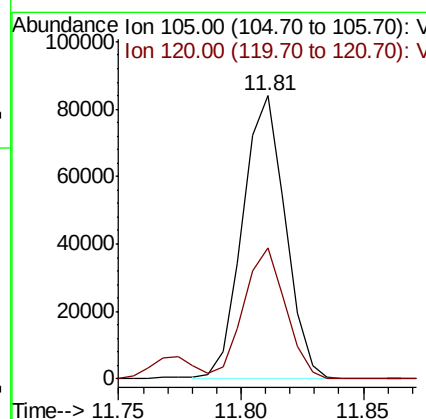
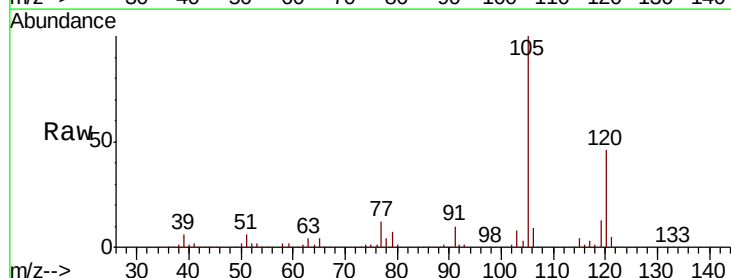
Manual Integrations
APPROVED

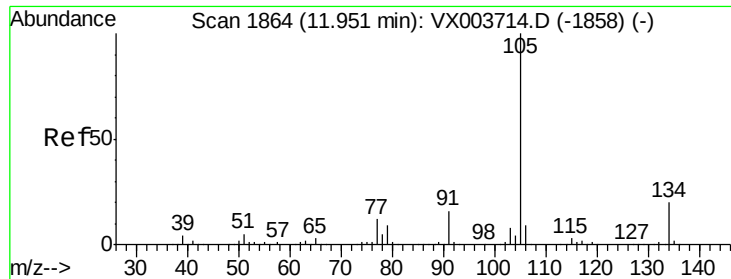
MMDadoda
8/3/2018 9:48:39 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.24 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	101672		
120	45.3	0.0	89.2	





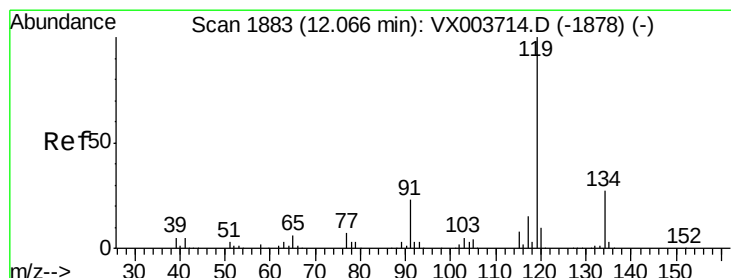
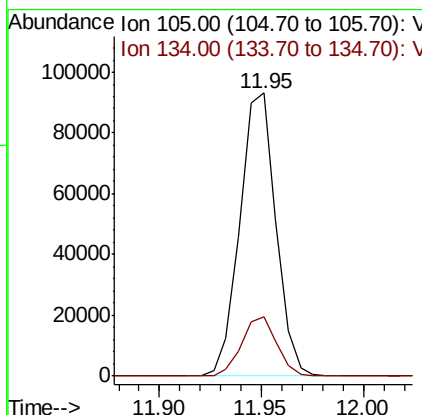
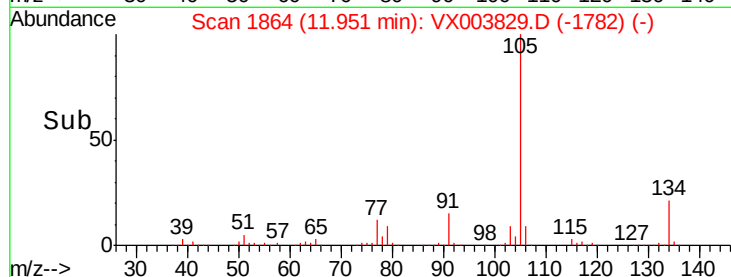
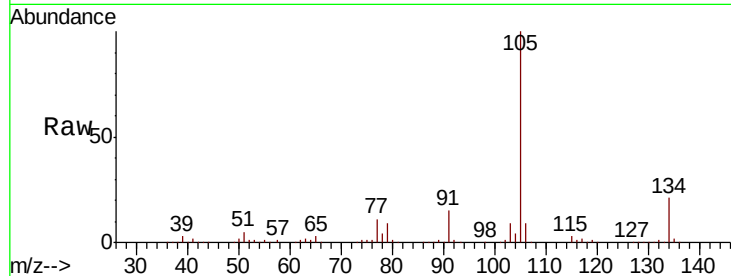
#81
 sec-Butylbenzene
 Concen: 19.01 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.6

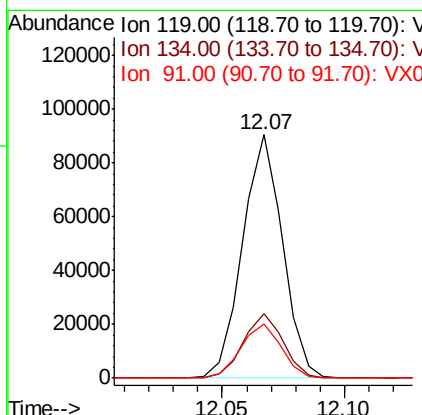
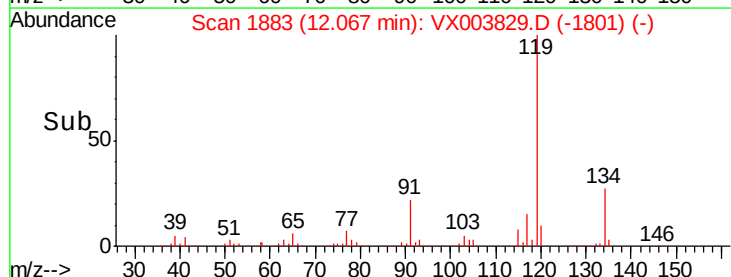
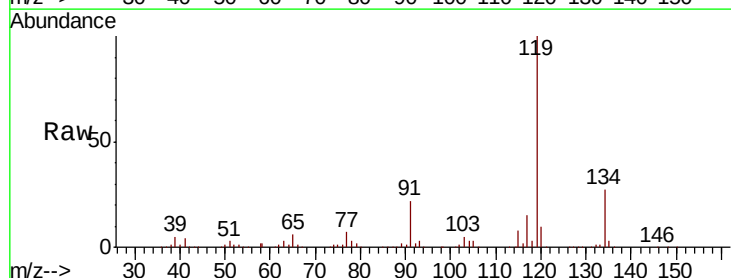
Manual Integrations
 APPROVED

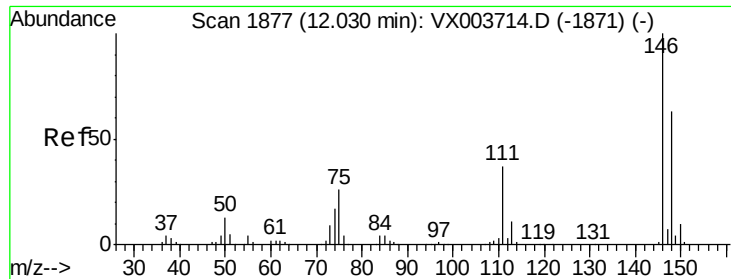
MMDadoda
 8/3/2018 9:48:39 AM



#82
 p-Isopropyltoluene
 Concen: 19.33 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	52.6
91	22.8	0.0	48.0





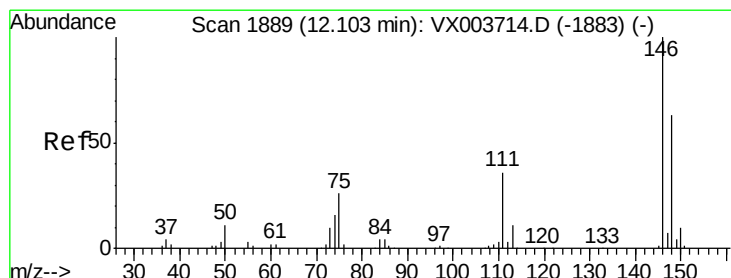
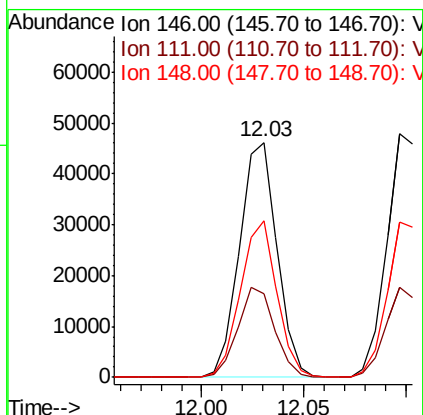
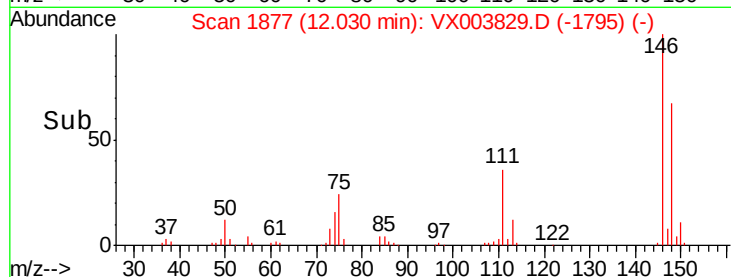
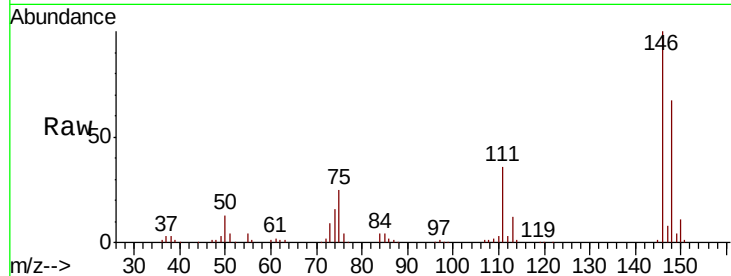
#83
 1,3-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.8	31.9	95.7

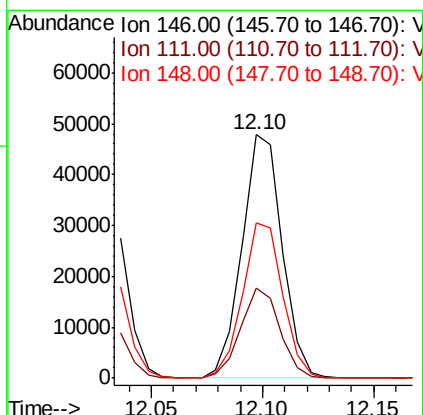
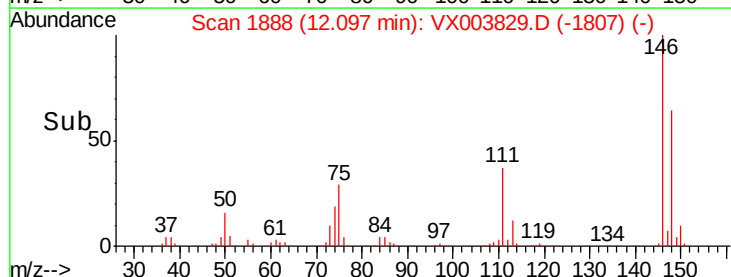
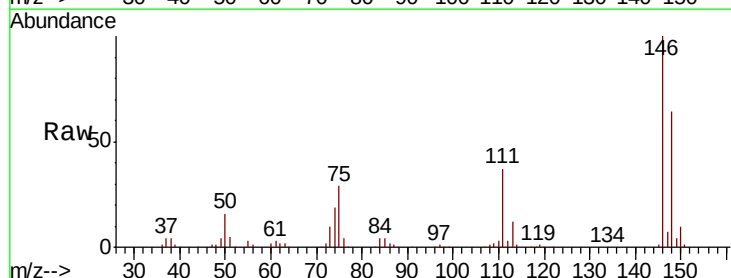
Manual Integrations
 APPROVED

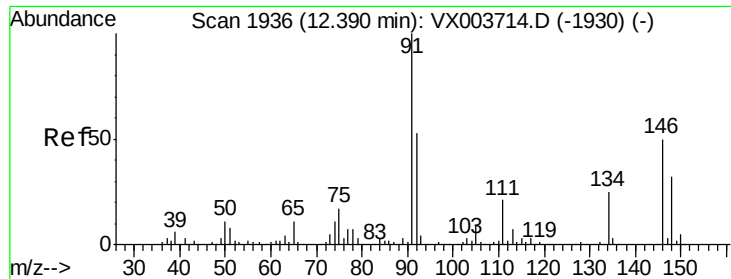
MMDadoda
 8/3/2018 9:48:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	64.0	32.0	96.0





#85

n-Butylbenzene

Concen: 18.62 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

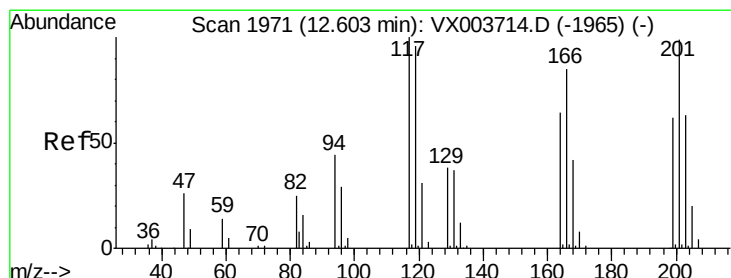
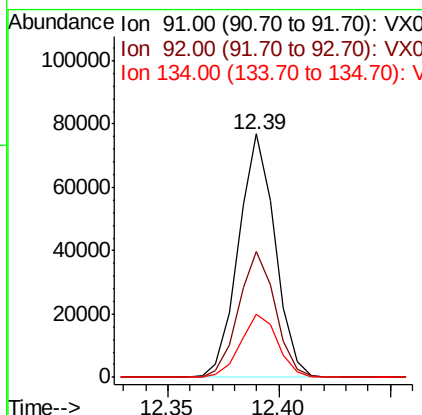
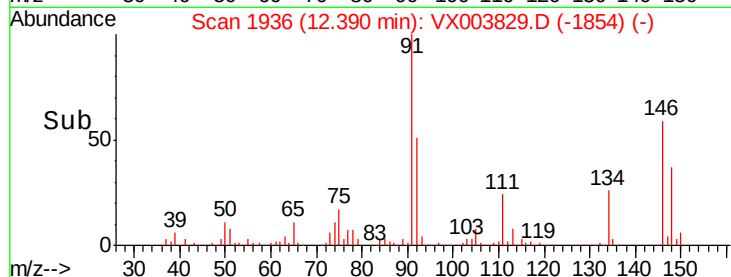
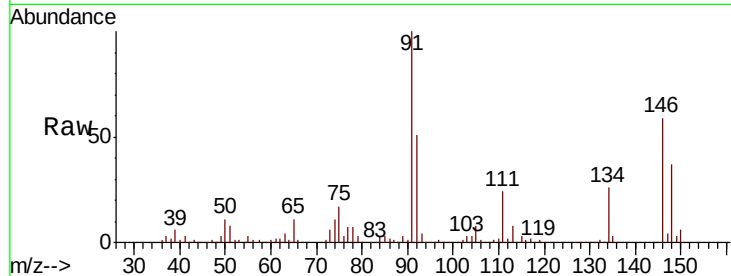
ClientSampled :

VSTDCCC020EC

Tot Ion:	91	Resp:	87786
Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	105.2
134	26.4	0.0	53.2

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#86

Hexachloroethane

Concen: 18.36 ug/l

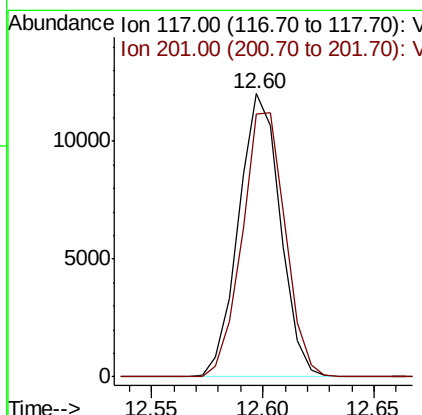
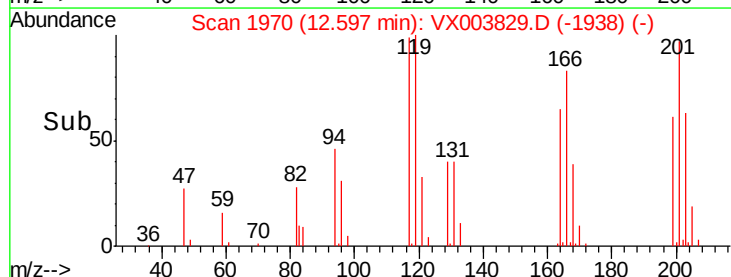
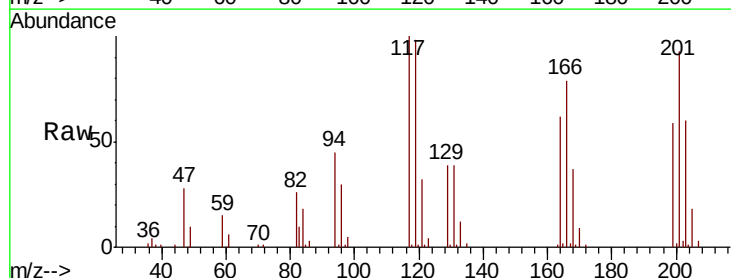
RT: 12.60 min Scan# 1970

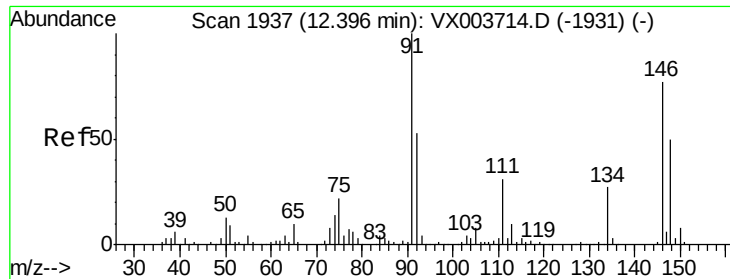
Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	117	Resp:	15718
Ion	Ratio	Lower	Upper
117	100		
201	96.3	47.6	142.8





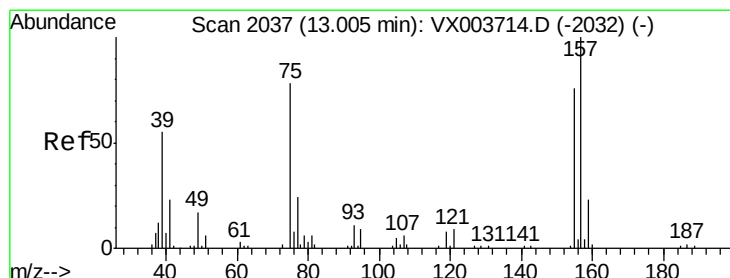
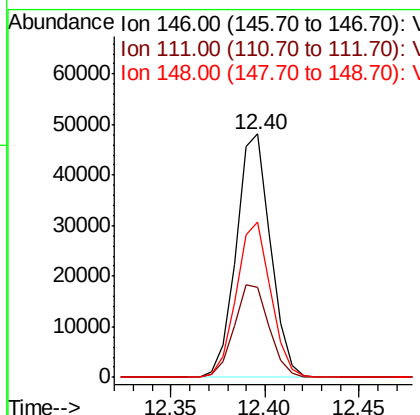
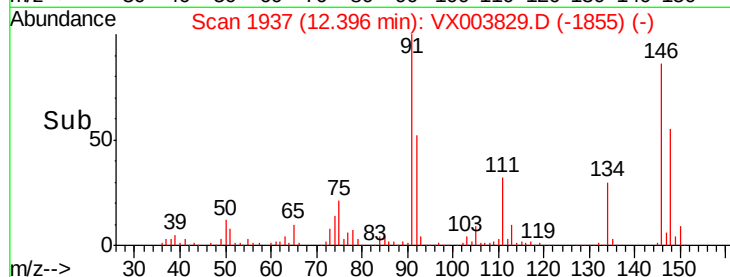
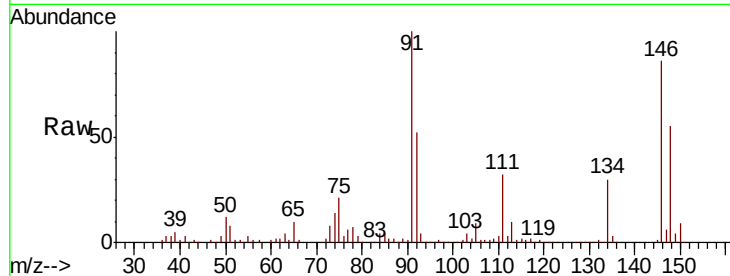
#87
 1,2-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	63.9	32.8	98.3

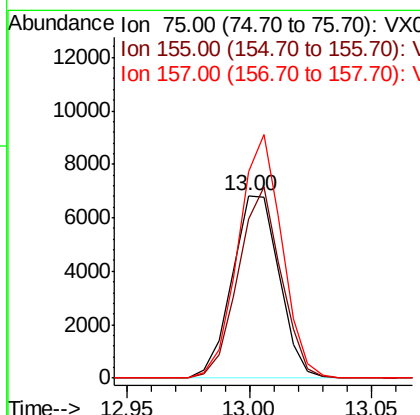
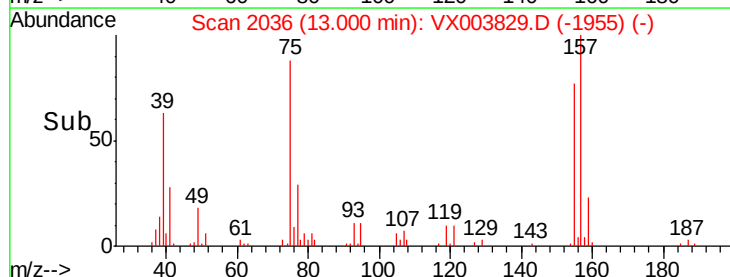
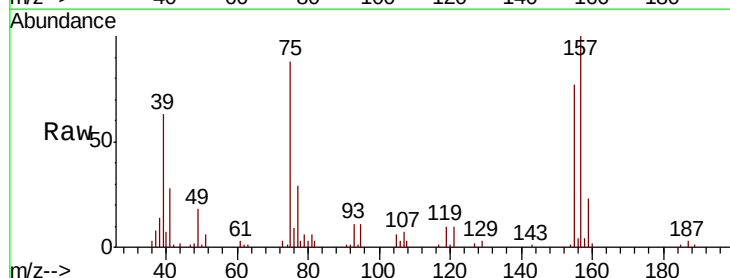
Manual Integrations
 APPROVED

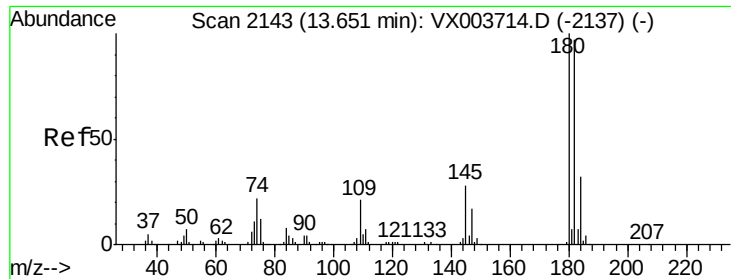
MMDadoda
 8/3/2018 9:48:39 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.95 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	73.1	109.7
157	123.1	93.1	139.7





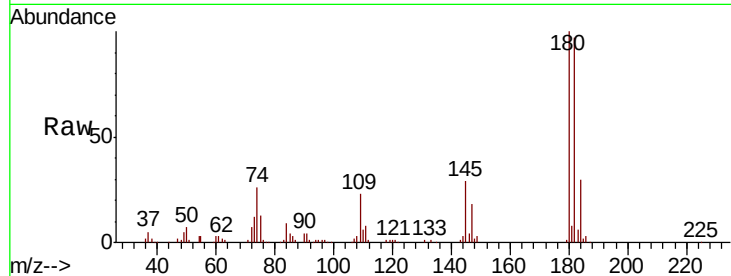
#89
 1,2,4-Trichlorobenzene
 Concen: 20.21 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	28.6	22.9	34.3

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:39 AM

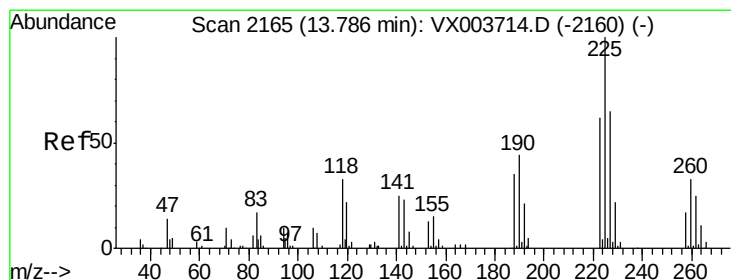
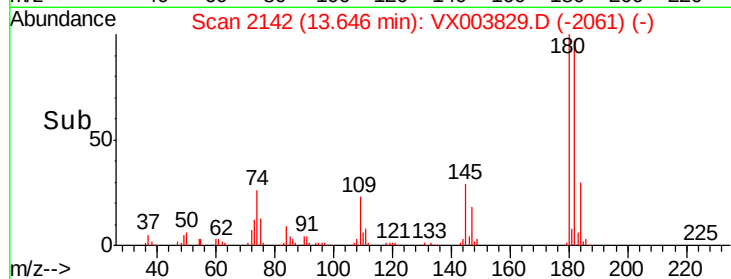
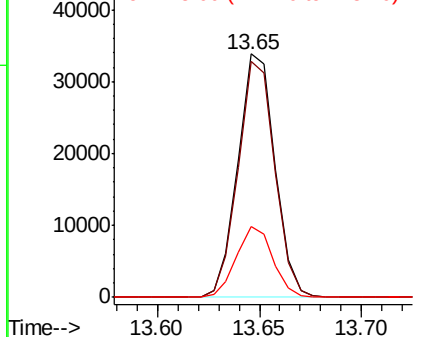


Abundance

Ion 180.00 (179.70 to 180.70): V

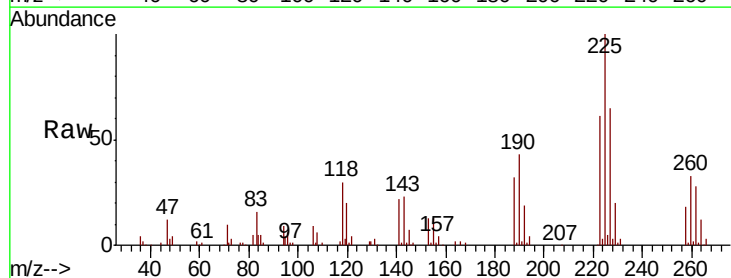
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	122.4
227	63.5	0.0	128.0

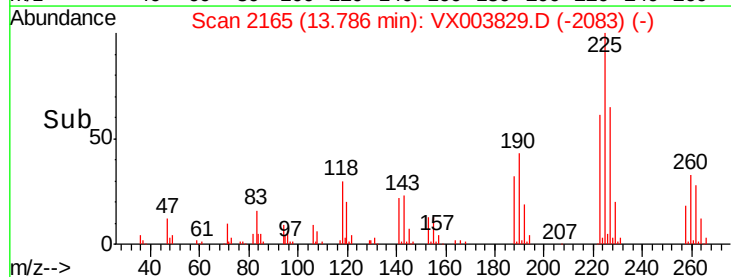
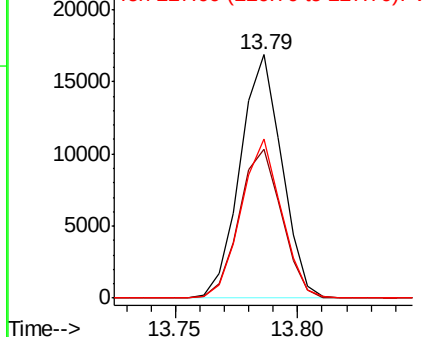


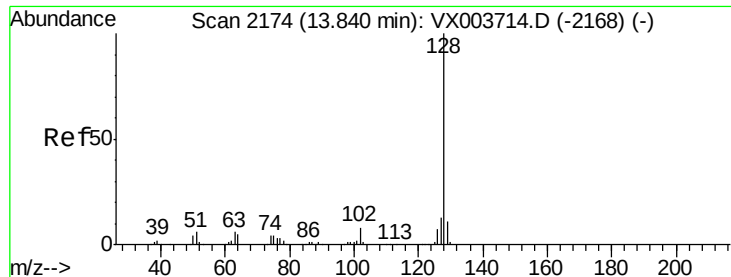
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 20.51 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

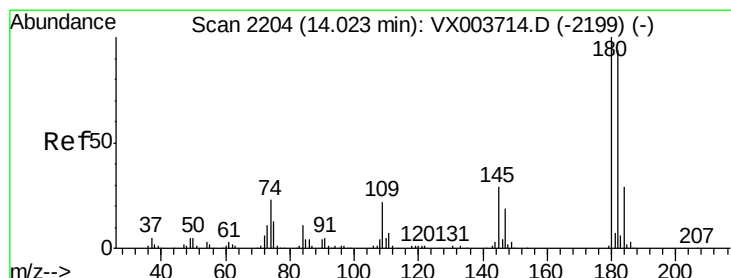
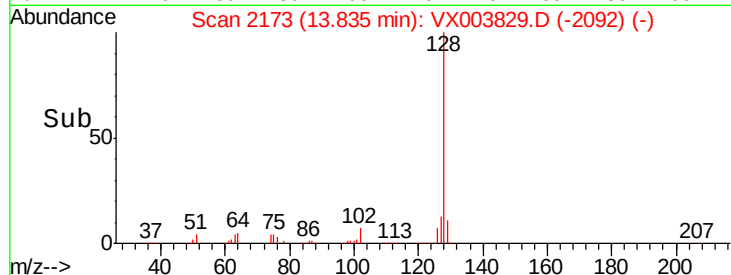
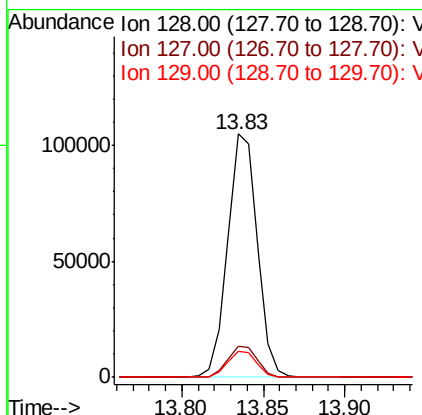
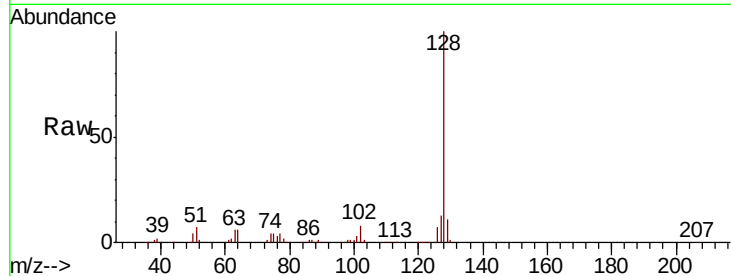
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	132329
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:39 AM



#92

1,2,3-Trichlorobenzene

Concen: 20.51 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Tgt Ion:	180	Resp:	44083
Ion Ratio	Lower	Upper	
180	100		
182	97.0	0.0	191.0
145	30.3	0.0	60.6

